

Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

WORK ORDER NUMBER: 243696  SERVICE ORGANIZATION (CORPORATE)  Vanguard Fire & Security  Name	28221 Beck Rd., Suite A-9, Wixom MI 1050 Arbor Tech Dr. Suite F, Hebron KY  PERTY NAME  :: WAYNE STATE - OLD MAIN 001
2101 Martindale Ave. SW Addre	ess: 4840 CASS AVE
Grand Rapids, MI 49509	ROIT, MI 48202
Technician: JASON JOHNSTON Owne	er Contact: KEN / DAVID KUFFNER
TROY TYLER Telepi	hone: 313-684-0855
Telephone: 800-444-8719 Appro	oving Agency: DETROIT FIRE DEPARTMENT
PRIOR TO ANY	TESTING
NOTIFICATIONS YES PHONE NUMB	
BUILDING OCCUPANTS	
BUILDING MANAGEMENT X (313) 684-08	
MONITORING ENTITY X	CAMPUS SECURITY 7:00 AM
2ND MONITORING ENTITY	
AHJ (NOTIFIED) OF IMPAIRMENTS	
SYSTEM INFOR	PMATION
GENERAL INFORMATION (GI)	YES NO N/A
Is the building occupied as in past?	X
2. Is the building fully sprinkled?	X
3. System(s) in service without modification since the last inspect	
4. Spare heads and head box with wrench securely mounted?	X
5. Stock/Storage a minimum of 18" below sprinkler heads & ceilin	ng tiles in place?
6. Are all gauges in good condition, in 5-yr calibration, and showir	ng normal pressures? X
7. Wet system areas are adequately heated?	X



	1 1		
ALVE INFORMATION	YES	NO	N/A
Are all main control valves open?	X		
Main control valves in good condition and identified?	X		
3. Are control valves secure?	X		
Are all control valves accessible & free from external leaks?	X		
5. Are all control valves provided with the proper operators?	X		
6. All control valves operated through full range & returned to normal position?	X		
7. Valves lubricated?			X
SPRINKLER & PIPING INFORMATION (SI)	YES	NO	N/A
Are all sprinkler heads unobstructed?		X	
2. Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3. Are all sprinkler heads less than 50 years old?	X		
4. Are sprinkler heads of proper temperature rating?	X		
5. Are riser(s) in good condition & unobstructed?	X		
6. Hydraulic nameplate in place and OK?			X
7. System ID securely attached & legible?	X		
8. Pipe in good condition, free of damage, obstructions, and leaks?	X		
9. Are all hangers OK?	X		
10. Seismic bracing OK?			Х
11. Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
12. Are Relief Valves on gridded system OK?			X
13. Fire Department Connection (FDC) & Caps OK?	X		,
14. FDC equipped with ball drip? (if yes, in good working order?)	X		
15. Was Main Drain Test performed? (See Table 2)		Χ	
16. Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10. The Bushiew Flevencis Follow valves present (if you, complete ruble of	^		
LARM INFORMATION (AI)	YES	NO	N/A
. Was the local alarm tested & OK?	X	110	14/7
Did Central Station receive Flow Alarm Test?	X		
. Did Central Station receive Tamper Test?	X		
<ul> <li>Are alarm devices free from physical damage &amp; all electrical connections secul</li> </ul>			
· · · · · · · · · · · · · · · · · · ·	ie: ^		
Is alarm valve trim OK & set properly?			X
No leakage from retard chambers or alarm drains?	V		X
. Was Inspector Test performed and results OK?	X		
DEV DIDE SYSTEM INSPECTION (DI)	VEC I	NO	B1/A
DRY PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
Dry pipe valves in service & in good external condition?			X
Pressure & priming water OK?			X
Air supply in good working order?			X
. Were low points drained during fall & winter inspections?			X
. Are accelerator(s) in good condition?			X
All dry valves have been trip tested & OK (See Table 3)			X
7. Dry pipe valves are in heated area?			X
Was customer informed that they need to drain all drum drips on a monthly basis?			X



Т	ABLE 1		AN	ITI-FREEZE I	OOP					
	No.	Location of Loop No. of Heads Type of Backflow						Backflow	Temp	
		N/A						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		10p
T.	ABLE 2		M	AIN DRAIN T	EST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	17	<b>'</b> 6						
	2.									
	3.									
	4.									
		<u> </u>								
Т	ABLE 3	<u> </u>	DF	RY SYSTEM	TEST	100.00			1	ı
N	Valve	l continu	f Dmy Value	Eull as D	utial Trin	Starting Air	Ctantin - Mat	Dragging	Trip Air	Trin Time
No.	Size	N/A	f Dry Valve	Full or Pa	artiai Trip	Pressure	Starting Water	rressure	Pressure	Trip Time
1. 2.	<del> </del>	IN/A							1	
2. 3.	<del> </del>	+								
_	ation of D	ı Drum Drain:	<u> </u>					Tested?	Yes	No
1.		ruin Diani.	<b>.</b>					resteu:	103	140
2.										
3.										
4.										
								J		
Т	ABLE 4	T	CONTRO	L V/ALVE INE	ODMATION					
			CONTRO	LVALVEINT	ORMATION	l				
			CONTRO	L VALVE INF	ORMATION	<u> </u>				
										Tamper
Qty	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked		Operational
2	Type of MAIN (OS	8&Y)	Accessible YES	Signs YES	Open YES	Secured YES	N/A	N/A	YES	Operational YES
1	Type of MAIN (OS PUMP (OS	8&Y) S&Y)	Accessible YES YES	Signs YES YES	Open YES YES	Secured YES YES	N/A N/A	N/A N/A	YES YES	Operational YES YES
1 3	Type of MAIN (OS PUMP (OS BYPASS (	8&Y) S&Y) (BFLY)	Accessible YES YES YES	Signs YES YES YES	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	N/A N/A N/A	YES YES YES	Operational YES YES YES
2 1 3 2	Type of MAIN (OS PUMP (OS BYPASS (	(S&Y) S&Y) (BFLY) (OS&Y)	Accessible YES YES YES YES YES	Signs YES YES YES YES YES	Open YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A YES	N/A N/A N/A N/A	YES YES YES N/A	Operational YES YES YES N/A
2 1 3 2 2	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY () MAIN SECT	S&Y) S&Y) (BFLY) (OS&Y) TIONAL	Accessible YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A N/A N/A YES N/A	N/A N/A N/A N/A N/A	YES YES YES N/A YES	Operational YES YES YES YES N/A YES
2 1 3 2 2 46	Type of MAIN (OS PUMP (OS BYPASS ( JOCKEY ( MAIN SECTION)	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY)	Accessible YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES	N/A N/A N/A YES N/A	N/A N/A N/A N/A N/A	YES YES YES N/A YES YES YES	YES YES YES N/A YES YES
2 1 3 2 2 46	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY () MAIN SECT	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY)	Accessible YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A N/A N/A YES N/A	N/A N/A N/A N/A N/A	YES YES YES N/A YES	Operational YES YES YES YES N/A YES
2 1 3 2 2 46 6	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY () MAIN SECTION ELEVATO	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) OR (BFLY)	Accessible YES	Signs YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES	Secured YES	N/A N/A N/A YES N/A	N/A N/A N/A N/A N/A	YES YES YES N/A YES YES YES	Operational YES YES YES N/A YES YES
2 1 3 2 2 46 6	Type of MAIN (OS PUMP (OS BYPASS (OF MAIN SECTION) ELEVATO	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) OR (BFLY)	Accessible YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES	Secured YES	N/A N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES YES N/A YES YES YES YES	Operational YES YES YES N/A YES YES
2 1 3 2 2 46 6	Type of MAIN (OS PUMP (OS BYPASS (OS MAIN SECTION ELEVATO)  ABLE 5 PUR	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) DR (BFLY)	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C	Signs YES	Open YES	Secured YES	N/A N/A N/A YES N/A N/A N/A	N/A N/A N/A N/A N/A N/A	YES YES YES N/A YES YES YES YES	Operational YES YES YES N/A YES YES YES YES YES YES
2 1 3 2 2 46 6 T	Type of MAIN (OS PUMP (OS BYPASS (OS MAIN SECTION ELEVATO)  ABLE 5 PUR	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) OR (BFLY)  BRPOSE OR CHECK	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES YES YES YES YES YES YES MECK VALV MODEL	Open YES	Secured YES	N/A N/A N/A YES N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	YES YES YES N/A YES YES YES YES YES	Operational YES YES YES N/A YES YES YES YES YES YES YES
2 1 3 2 2 46 6 T No.	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY () MAIN SECTION ELEVATO  ABLE 5 PUR DETECTO	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) OR (BFLY)  BRPOSE OR CHECK	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY	Signs YES YES YES YES YES YES YES YES YES MECK VALV MODEL EDC-III	Open YES	Secured YES	N/A N/A N/A YES N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A ECTED	YES YES YES N/A YES YES YES YES YES ANGENT METALOGY	Operational YES YES YES N/A YES YES YES YES YES YES ATION ECH ROOM ECH ROOM
2 1 3 2 46 6 T No. 1. 2.	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY () MAIN SECTION. ELEVATO  ABLE 5 PUR DETECTO	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) OR (BFLY)  BRPOSE OR CHECK	Accessible YES YES YES YES YES YES YES YES HES YES ACKFLOW/C MFG HERSEY GRINNEL	Signs YES YES YES YES YES YES YES YES HECK VALV MODEL EDC-III 410	Open YES YES YES YES YES YES YES YES YES 10" 10"	Secured YES	N/A N/A N/A YES N/A N/A N/A LAST INSPI	N/A N/A N/A N/A N/A N/A	YES YES YES N/A YES YES YES YES AND BASEMENT M BASEMENT M	Operational YES YES YES N/A YES YES YES YES YES YES ATION ECH ROOM ECH ROOM ECH ROOM
2 1 3 2 46 6 T No. 1. 2. 3.	MAIN (OS PUMP (OS BYPASS ( JOCKEY ( MAIN SECTION) ELEVATO  ABLE 5 PUR DETECTO MAIN (WA PUMP	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) OR (BFLY)  BRPOSE OR CHECK	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY GRINNEL GRUVLOK	Signs YES YES YES YES YES YES YES YES AND	Open YES YES YES YES YES YES YES YES TO T	Secured           YES           1994           1996	N/A N/A N/A YES N/A N/A N/A N/A 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A CTED	YES YES YES N/A YES YES YES YES BASEMENT M BASEMENT M BASEMENT M	Operational YES YES YES N/A YES YES YES YES YES ATION ECH ROOM ECH ROOM ECH ROOM ECH ROOM
2 1 3 2 46 6 T No. 1. 2. 3.	Type of MAIN (OS PUMP (OS BYPASS) (JOCKEY) (MAIN SECTION ELEVATO)  ABLE 5 PUR DETECTO MAIN (WA PUMP BYPASS) FDC JOCKEY	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) DR (BFLY) BRPOSE DR CHECK AFER)	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY GRINNEL GRUVLOK GRUVLOK	Signs YES YES YES YES YES YES YES YES YES AMDEL EDC-IIII 410 7800 FP 7800 FP	Open YES YES YES YES YES YES YES YES 10" 10" 8" 8"	Secured           YES           1994           1996           1996	N/A N/A N/A YES N/A N/A N/A N/A 2010 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A T/A	YES YES YES N/A YES YES YES YES AMBASEMENT M BASEMENT M BASEMENT M BASEMENT M	Operational YES YES YES N/A YES YES YES YES YES ATION ECH ROOM ECH ROOM ECH ROOM ECH ROOM ECH ROOM
2 1 3 2 46 6 T No. 1. 2. 3. 4. 5.	Type of MAIN (OS PUMP (OS BYPASS) (JOCKEY) (MAIN SECTION ELEVATO)  ABLE 5 PUR DETECTO MAIN (WA PUMP BYPASS FDC	S&Y) S&Y) (BFLY) (OS&Y) TIONAL AL (BFLY) DR (BFLY) BRPOSE DR CHECK AFER)	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY GRINNEL GRUVLOK GRUVLOK GRUVLOK	Signs YES	Open YES	Secured           YES           1994           1996           1996	N/A N/A N/A YES N/A N/A N/A LAST INSPI 2010 2010 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A T/A N/A	YES YES YES N/A YES YES YES YES AMBASEMENT M BASEMENT M BASEMENT M BASEMENT M BASEMENT M BASEMENT M	YES YES N/A YES YES N/A YES YES YES YES ATION ECH ROOM ECH ROOM ECH ROOM ECH ROOM ECH ROOM ECH ROOM



		ON / OFF PRE	EIVIDES IVIONI	IORING			
ГҮРЕ	YES	NO	TIME		COMMEN	NTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
ROUBLE SIGNAL	X						
FROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
		CATIONS TH	AT TESTING	IS COMPLETE			
ГҮРЕ	YES			WHO		٦	ГІМЕ
BUILDING OCCUPANTS							
BUILDING MANAGEMENT	X		ID KUFFNER/	CHARLIE			30 PM
MONITORING ENTITY	X	CAMPUS S	SECURITY			3:	30 PM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
				ITH APPLICABLE I		RDS	
				ECOMMENDA			
NOTE: ALL FIRE VALVES AND FLOWS A	BOVE CEILING A	ARE MARKED	WITH (4) RED I	DOTS, - AREAS UI	NDER REMODEL	_RM 2402 2	414
						ITOM OF S	FAIRWELL "E"
MISSING ESCUTCHEONS - (2) CHROME HALL OUTSIDE FIRE PUMP RM 0002, B	ESCUTCHEONS Y RM 4122, OUT	S IN RM 0407 I TSIDE RM 4135	N MENS REST 5, OUTSIDE RM	ROOM BY SERVICE 4130, 1ST FLOOR B	ELEVATOR, BOT Y STAIR "D" NEA	AR RM 1172	
MISSING ESCUTCHEONS - (2) CHROME	ESCUTCHEONS Y RM 4122, OUT 5, HALLWAY OU	S IN RM 0407 I TSIDE RM 4135 ITSIDE RM 115	N MENS REST 5, OUTSIDE RM 58, OUTSIDE RI	ROOM BY SERVICE 4130, 1ST FLOOR B' M 1114, OUTSIDE RM	ELEVATOR, BOT Y STAIR "D" NEA I 0137, HALL OUT	AR RM 1172 TSIDE RM 0	235, HALL
MISSING ESCUTCHEONS - (2) CHROME HALL OUTSIDE FIRE PUMP RM 0002, BY INSIDE RM 1318, HALLWAY BY RM 1308 OUTSIDE RM 0360C, INSIDE MENS RM	ESCUTCHEONS Y RM 4122, OUT 5, HALLWAY OU NEAR RM 1119,	S IN RM 0407 I TSIDE RM 4135 ITSIDE RM 115	N MENS REST 5, OUTSIDE RM 58, OUTSIDE RI	ROOM BY SERVICE 4130, 1ST FLOOR B' M 1114, OUTSIDE RM	ELEVATOR, BOT Y STAIR "D" NEA I 0137, HALL OUT 2114, RESTROO	AR RM 1172 TSIDE RM 0	235, HALL R "A
MISSING ESCUTCHEONS - (2) CHROME HALL OUTSIDE FIRE PUMP RM 0002, B' INSIDE RM 1318, HALLWAY BY RM 1305 OUTSIDE RM 0360C, INSIDE MENS RM  SYSTEM RESTORED TO NORMAL O	ESCUTCHEONS Y RM 4122, OUT 5, HALLWAY OU NEAR RM 1119,	S IN RM 0407 I TSIDE RM 4135 ITSIDE RM 115	N MENS REST 5, OUTSIDE RM 58, OUTSIDE RI TRICAL RM 140	ROOM BY SERVICE 4130, 1ST FLOOR B' M 1114, OUTSIDE RM D5, HALLWAY BY RM 5/15/	ELEVATOR, BOT Y STAIR "D" NEA I 0137, HALL OUT 2114, RESTROO	AR RM 1172 TSIDE RM 0 DM BY STAII	235, HALL R "A
OUTSIDE RM 1318, HALLWAY BY RM 1308 OUTSIDE RM 0360C, INSIDE MENS RM  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR	ESCUTCHEONS Y RM 4122, OUT 5, HALLWAY OU NEAR RM 1119,	S IN RM 0407 I TSIDE RM 4135 ITSIDE RM 115	N MENS REST 5, OUTSIDE RM 68, OUTSIDE RI TRICAL RM 140  DATE	ROOM BY SERVICE 4130, 1ST FLOOR B' M 1114, OUTSIDE RM D5, HALLWAY BY RM 5/15/	ELEVATOR, BOT Y STAIR "D" NEA I 0137, HALL OUT 2114, RESTROO	AR RM 1172 TSIDE RM 0 DM BY STAII	235, HALL R "A
MISSING ESCUTCHEONS - (2) CHROME HALL OUTSIDE FIRE PUMP RM 0002, BY INSIDE RM 1318, HALLWAY BY RM 1308 OUTSIDE RM 0360C, INSIDE MENS RM SYSTEM RESTORED TO NORMAL OF INSPECTOR INSPECTOR'S SIGNATURE	ESCUTCHEONS Y RM 4122, OUT 5, HALLWAY OU NEAR RM 1119,	S IN RM 0407 I TSIDE RM 4135 ITSIDE RM 115 , INSIDE ELEC	N MENS REST 5, OUTSIDE RM 68, OUTSIDE RI TRICAL RM 140  DATE  JASON JOH	ROOM BY SERVICE 14130, 1ST FLOOR B' M 1114, OUTSIDE RM D5, HALLWAY BY RM 5/15/	ELEVATOR, BOT Y STAIR "D" NEA I 0137, HALL OUT 2114, RESTROO	AR RM 1172 TSIDE RM 0 DM BY STAII	235, HALL R "A
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MISSING ESCUTCHEONS - (2) CHROME HALL OUTSIDE FIRE PUMP RM 0002, BY INSIDE RM 1318, HALLWAY BY RM 1308 OUTSIDE RM 0360C, INSIDE MENS RM  SYSTEM RESTORED TO NORMAL OF INSPECTOR  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPE	ESCUTCHEONS Y RM 4122, OUT 5, HALLWAY OU NEAR RM 1119, PERATION RESENTATIVE	S IN RM 0407 I SIDE RM 4135 ITSIDE RM 115 , INSIDE ELEC	N MENS REST 5, OUTSIDE RM 68, OUTSIDE RM 140  DATE  JASON JOH  DAVID KUFF	ROOM BY SERVICE 14130, 1ST FLOOR B' M 1114, OUTSIDE RM D5, HALLWAY BY RM 5/15/	ELEVATOR, BOT Y STAIR "D" NEA I 0137, HALL OUT 2114, RESTROO	AR RM 1172 TSIDE RM 0 DM BY STAII	235, HALL R "A
MISSING ESCUTCHEONS - (2) CHROME HALL OUTSIDE FIRE PUMP RM 0002, BY INSIDE RM 1318, HALLWAY BY RM 1305 OUTSIDE RM 0360C, INSIDE MENS RM SYSTEM RESTORED TO NORMAL OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPE	ESCUTCHEONS Y RM 4122, OUT 5, HALLWAY OU NEAR RM 1119, PERATION  RESENTATIVE R/REPRESENT CCUPANCY & S	S IN RM 0407 I SIDE RM 4138 ITSIDE RM 115 , INSIDE ELEC	N MENS REST 5, OUTSIDE RM 68, OUTSIDE RM 140  DATE  JASON JOH  DAVID KUFF	ROOM BY SERVICE  4130, 1ST FLOOR B  M 1114, OUTSIDE RM  D5, HALLWAY BY RM  5/15/  NSTON	ELEVATOR, BOT Y STAIR "D" NEA I 0137, HALL OUT 2114, RESTROO 12 <b>T</b>	AR RM 1172 TSIDE RM 0 DM BY STAII	235, HALL R "A
MISSING ESCUTCHEONS - (2) CHROME HALL OUTSIDE FIRE PUMP RM 0002, BY INSIDE RM 1318, HALLWAY BY RM 1308 OUTSIDE RM 0360C, INSIDE MENS RM SYSTEM RESTORED TO NORMAL OF INSPECTOR INSPECTOR'S SIGNATURE	ESCUTCHEONS Y RM 4122, OUT 5, HALLWAY OU NEAR RM 1119, PERATION  RESENTATIVE EX/REPRESENT CCUPANCY & Setions been constitutions	S IN RM 0407 I SIDE RM 4138 ITSIDE RM 115 INSIDE ELEC	N MENS REST 5, OUTSIDE RM 68, OUTSIDE RM TRICAL RM 140  DATE  JASON JOH  DAVID KUFF	ROOM BY SERVICE  4130, 1ST FLOOR B' M 1114, OUTSIDE RM D5, HALLWAY BY RM  5/15/  NSTON  FNER  Yes or No	ELEVATOR, BOT Y STAIR "D" NEA 1 0137, HALL OUT 2114, RESTROO 12 T	AR RM 1172 TSIDE RM 0 DM BY STAII	235, HALL



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

DATE:	5/15/12			_	7646 S.	Sprinkle Rd	., Portage M	1I .
ARRIVAL TIME:	7:00 AM			X	1633 S.	Champagne	Dr, Sagina	w MI
WORK ORDER NUMBER:	243696			T			ite A-9, Wix . Suite F, He	
THE TAX TO					] 1000741	JOI TOOM DI	. Outto 1 , 1 to	DDIOII ICI
SERVICE ORGANIZATIO	N (CORPORA	ATE)			PROPER	TY NAME		
Vanguard Fire & Security					Name:	WAYNE S	TATE - OLD	MAIN 001
2101 Martindale Ave. SW					Address:	4840 CAS	S AVE.	
Grand Rapids, MI 49509					DETROIT	, MI 48202		
•				_	(INSIDE RO	OM 0002)		
Technician:	7	Owner Co	ntact:	KEN / DAV	ID KUFFNER			
				1	Telephone	):	(313) 684-0	0855
Telephone:	800-444-8	3719		1	Approving	Agency:	DETROIT	FIRE DEPT.
			PRIOR TO AN		_			
NOTIFICATIONS		YES	PHONE	NUMBER		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	(313) 68	84-0855	ROBERT RIDLEY/DAVID K			
MONITORING ENTITY		X			CAMPUS S	SECURITY		9:00 AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IM	PAIRMENTS							
		FIRE PUMI	P & JOCKEY		RMATION			
MANUEACTURED		ITT AO	FIRE PUN			1	4000	
MANUFACTURER		SPLITCAS	<u> </u>	RATE GPM			1000	
MODEL SERVICE		961-85794-0		RATE PSI	/	1	122	
SERIAL NUMBER TYPE	- <del>-</del>		1-01	PSI @ 1509 MAX PRES		+	108 129	
RATED RPM		8100 1780		AUTO STAF		+	150	
IMPELLER SIZE		17.0		SATISFIED			185	
HORSE POWER		125		AUTO STO			N/A	
WATER SUPPLY CITY				RUN TIMER			N/A	
						•		
			FIRE PUMI	PDRIVER				
MANUFACTURER		US ELECTI		FRAME	405TS	RATED RP	M	1775
MODEL				VOLTAGE	460	HZ		60
SERIAL NUMBER	H0	18Y11Y268I	R106M	AMP	147.9	HORSE PC	WER	125
TYPE		ELECTRI	С	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP (	CONTROL			
MANUFACTURER	JOSLYN-CLARK	HORSE POWER RATING	3		125
MODEL	480		480		
MODEL         64C214-4K         VOLTAGE           SERIAL NUMBER         7317076-01         AMP RMS					00,000
	JOCKEY PU	MP DATA			
MANUFACTURER	GRUNDFOS	INLET/OUTLET SIZE			11/4"
MODEL	CR-2	START PRESSURE (ON)	)		160
SERIAL NUMBER	84200009	STOP PRESSURE (OFF)			175
HORSE POWER	2	VOLTAGE	'		460
HORGET GWER		VOLITIOL			<del>100</del>
	REMOTE ALARI	AS DEOVIDED			
DISPLAYED AT	PANEL IN ENGINEERING			I	N/A
PUMP RUNNING		PUMP ROOM LOW TEM			N/A
	YES		<u> </u>		
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
	=======================================	AT DEDARK			
	FIRE PUMP TE	ST REPORT			
Inspection of Pump			YES	NO	N/A
System found in service?			X		
2. Fire pump controller in automatic service?			X		
3. Jockey pump controller in service on auto	?		X		
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves ope	en?		X		
10. Piping, valves and fittings free from leaks	s?		X		
11. Main relief valve functions ok?				X	
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exercise	sed?		X		
Diesel Pump Inspection			YES	NO	N/A
1. Fuel tank at least two-thirds full?					Χ
2. Controller selector switch in auto position?	)				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?			X		
5. Battery terminal free from corrosion?			X		
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
Pressure recorder reset and graph paper	r nresent?				X
13. Engine coolant level normal?	prodont:				X
14. Does Heat Exchanger Solenoid function	nronerly?				X
14. DOES HEAL EXCHAINGER SOIEHOID TUNCTION	higheria :				^



INSPECTI	ON OF FIRE PUMP AND PIPIN	G COMPONE	ITS		
			YES	NO	N/A
<ol> <li>Valves in proper position and in good condition?</li> </ol>		X			
2. Are all valves listed for application?		X			
3. Valves locked, sealed or supervised?			X		
4. Are all valves tagged and identified?			X		
5. Jockey pump operational?			X		
6. Packing glands appear properly adjusted?			V	X	
7. Bi-monthly test records available?			X		
8. Were automatic starts performed? 9. Were manual starts performed?			X		
<ol> <li>Were manual starts performed?</li> <li>Did automatic and manual starts and stops full</li> </ol>	unction properly?		X		
11. Remote alarm conditions demonstrated?	inction property:		X		
12. Are drains operational and ok?			X		
13. Does fire pump shaft and coupling appear to b	e properly aligned?		X		
14. Does jockey pump appear to be aligned ok?	o proporty alignous		X		
15. Does fire pump have casing relief valve and do	oes it function properly?		X		
16. Is test header in good condition and drained?	to the following property.				X
17. Supplying tank or reservoir appears to be in sa	atisfactory condition?				X
18. Tank water level ok?	,				X
19. At completion, was pump returned to automati	c operation and all valves norma	al?	X		
20. Site personnel were offered instruction in pum			Χ		
21. Sensing lines for jockey and fire pump separat	e?		X		
22. Power transfer switch tested and ok?					X
	FLOW INSPECTION REPO				
Fire Pump Flow Test Report	CHURN		FLOW		% FLOW
RPM During Test	1786		76		1775
Voltage During Test	490 490 493		38 488		490 491
Amperage During Test	40 42 41	54 5	8 60	61	61 63
ATER MET HEAD	100	_			
RATED NET HEAD	122		_		0.5
SUCTION PRESSURE	47		55		65
DISCHARGE PRESSURE	188		178 123		174
NET HEAD	141	1	23		109
RATED GPM 10	000				
		4.0	100		1500
OUTLET A PITOT OUTLET B PITOT	NA NA	10	000		1500
OUTLET B PITOT	NA NA				
OUTLET C PITOT	NA NA				
OUTLET D PITOT	NA NA				
TOTAL FLOW	0	40	000		1500
RATED % OF FLOW	U		0%		150%
RAILD /6 OF FLOW			U / U		70



		DII	ESEL BATTER	RY INSPECTION			
TYPE	VISUAL		FUNCTION	FUNCTIONAL		NTS	
BATTERY CONDITION			N/A				
/OLTAGE							
BATTERY SIZE							
CHARGER VOLTAGE							
				QUIPMENT:ON	OFF MONITORIN		
TYPE	YES	NO	TIME		COM	MENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
		NOTIFICA	TIONS THAT	TECTING 10.00	MDLETE		
TYPE		YES	HAI GNOIL	TESTING IS CO WHO		<u> </u>	TIME
BUILDING OCCUPANTS		169	+	VVHO			IIIVIE
BUILDING OCCUPANTS BUILDING MANAGEMENT		X	KEN / DAVID	VILLENED			0:00 AM
MONITORING ENTITY		X	CAMPUS SE				0:00 AM
2ND MONITORING ENTITY		^	CAIVIF 03 3E	CORTT			0.00 AW
AHJ (NOTIFIED) OF ANY IMP	DAIDMENTS						
AND (NOTHIED) OF ANT INI	AIRWENTO						
THIS TES	TING WAS PE	RFORME	D IN ACCORD	ANCE WITH AF	PPLICABLE NFPA	STANDARDS	
					MMENDATIO		
NOTE: PUMP HAS BUILT			JIVIIVI E I VI O	AND ILLOO	MINICIALITY	110	
	_						
POWER BULB BURNED C	OUT ON FIRE	PUMP (2	2.2 WATT 30	VOLT)			
SENSING LINES HAVE IS	OLATION VA	LVES ON	I THEM				
SYSTEM RESTORED TO NO	RMAL OPERA	ATION		DATE	5/15/12	TIME	10:00 AM
	RMAL OPER	ATION		1		TIME	10:00 AM
SYSTEM RESTORED TO NO	RMAL OPERA	ATION		DATE  JASON JOHN		TIME	10:00 AM
NAME OF INSPECTOR	RMAL OPERA	ATION		1		TIME	10:00 AM
NAME OF INSPECTOR	RMAL OPERA	ATION		1		TIME	10:00 AM
NAME OF INSPECTOR		ATION		JASON JOHN	STON	TIME	10:00 AM
NAME OF INSPECTOR		ATION		1	STON	TIME	10:00 AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRES	ENTATIVE		\TIVE	JASON JOHN	STON	TIME	10:00 AM
NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRES  SIGNATURE OF PROPERTY	ENTATIVE OWNER/REP	RESENTA		JASON JOHN	STON		10:00 AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRES SIGNATURE OF PROPERTY Is system code compliant	ENTATIVE  OWNER/REP	RESENTA	tored commo	JASON JOHN	STON NER Yes o	r No YES	10:00 AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRES SIGNATURE OF PROPERTY Is system code compliant Have the noted deficienci	ENTATIVE  OWNER/REP  with occupa	RESENTA ancy & st	tored commo	JASON JOHN DAVID KUFFI	STON NER Yes o	r No YES r No NO	10:00 AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRES SIGNATURE OF PROPERTY Is system code compliant	ENTATIVE  OWNER/REP  with occupal es/violations deen	RESENTA ancy & st	tored commo	JASON JOHN DAVID KUFFI	STON NER Yes o	r No YES	10:00 AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:	5/21/2012		X	2101 Martindale 7646 S. Sprinkle 1633 S. Champa 28221 Beck Rd.	Rd., Portage Magne Dr, Saginav	· v Ml		
ARRIVAL TIME: WORK ORDER NUMBER:	7:30AM 243702			1050 Arbor Tech				
SERVICE ORGANIZA	ATION (CORPO	RATE)	PROP	ERTY NAME				
Vanguard Fire & Secu	ırity		Name:	WAYNE ST	ATE - PHYSICS	- 003		
2101 Martindale Ave.	SW		Addres	ss: 666 W. HAN	ICOCK			
Grand Rapids, MI 495	509		DETRO	OIT, MI 48202				
Technician:	JASON JOH	INSTON	Owner	Contact:	DAVID KUFF	NER/RICH		
TROY TYLER			Teleph	none:	313-268-23	71/313-684	-0342	
Telephone:	800-444-871	9	Approv	Approving Agency:			RTMENT	
			PRIOR TO ANY	TESTING				
NOTIFICATIONS		YES	PHONE NUMBE		WHO	WHO		
BUILDING OCCUPANT	S							
BUILDING MANAGEME	NT	X	313-268-237				7:30 AM	
MONITORING ENTITY		X		CAMPUS SE	CURITY		7:30 AM	
2ND MONITORING EN								
AHJ (NOTIFIED) OF IMI	PAIRMENTS							
	201. (20)		SYSTEM INFOR	MATION			1	
GENERAL INFORMATION (GI)  1. Is the building occupied as in past?					YES	NO	N/A	
Ü		ť?			X			
2. Is the building ful	, ,	ification ain	sa tha last inanasti		X	X		
` .				ce the last inspection?				
	1 1 1 1 1 1 1 1 1 X VV/11 1 1 V		oreiv Moonneo/		1	X		
5 Stock/Storage a				a tiles in place?				
	minimum of 18"	below sprin	nkler heads & ceiling		X X			
	minimum of 18"   good condition,	below sprin in 5-yr calil	nkler heads & ceiling	g tiles in place? g normal pressures				



AL'	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?		Χ	
3.	Are control valves secure?	X	Λ	
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
<u> </u>	valves lubilicateu:			
DD	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X	NO	IN/A
	Are sprinkler heads thoustructed?  Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
2.	·			
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?			
	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?		X	
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)	X		
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			Х
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
	<u> </u>			
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?	+		X
5.	Are accelerator(s) in good condition?	+ +		X
3. 3.	All dry valves have been trip tested & OK (See Table 3)	+		X
7.	Dry pipe valves are in heated area?	+		X
<u>г.</u> В	Was customer informed that they need to drain all drum drips on a monthly basis?			X
ر	was customer informed that they need to drain all drum drips on a monthly basis?			



Т	ABLE 1	1	ΔΝ'	TI-FREEZE I	LOOP					
	No.	Location o		II-I IXLLZL I	LOOF		No. of Heads	Type of	Backflow	Temp
	1		SHOP BY WEI	DING ROO	M		9		2½ CHECK	-18º F
		WINTOTHINE	OHOL DI WEI	LDING ROO	111			(2) 10111	Z/Z OFFICIAL	10 1
								•		
T	ABLE 2		M.	AIN DRAIN 1	TEST					
R	iser No.	Drain Size	Static Press	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2	60	)		45				
	2.									
	3.									
	4.									
	ABLE 3		DD.	V CVCTEM.	TEST					
	Valve		אַל	Y SYSTEM	IESI	Starting Air			Trip Air	
No.	Size	Location of	of Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.										
Loc	ation of D	rum Drain	S					Tested?	Yes	No
1.										
								_		
2. 3.										
3. 4.	ADI E 4		CONTROL	VALVE IN	CORMATION					
3. 4.	ABLE 4	l	CONTROL	VALVE INF	FORMATION					
3. 4.	ABLE 4		CONTROL	. VALVE INF	FORMATION					Tamper
3. 4. T		of Valve	CONTROL			Secured	Sealed	Locked	Supervised	Tamper Operationa
3. 4. T		of Valve		Signs	Open YES		Sealed YES	Locked N/A	Supervised N/A	
3. 4. T Qty	Type of MAIN (OS		Accessible	Signs	Open	Secured				Operationa
3. 4. T Qty 2	Type of MAIN (OS SECTION	8 <b>X</b> Y)	Accessible YES	Signs NO	Open YES	Secured NO	YES	N/A	N/A	Operationa N/A
3. 4. T Qty 2 5	Type of MAIN (OS SECTION	AL (OS&Y) AL (BFLY)	Accessible YES YES	Signs NO YES	Open YES YES	Secured NO NO	YES YES	N/A N/A	N/A N/A	Operationa N/A N/A
3. 4. T Qty 2 5 3	Type of MAIN (OS SECTION SECTION	AL (OS&Y) AL (BFLY)	Accessible YES YES YES	Signs NO YES NO	Open YES YES YES	Secured NO NO YES	YES YES N/A	N/A N/A N/A	N/A N/A YES	Operationa N/A N/A YES
3. 4. T Qty 2 5 3	Type of MAIN (OS SECTION SECTION	AL (OS&Y) AL (BFLY)	Accessible YES YES YES	Signs NO YES NO	Open YES YES YES	Secured NO NO YES	YES YES N/A	N/A N/A N/A	N/A N/A YES	Operationa N/A N/A YES
3. 4. T Qty 2 5 3	Type of MAIN (OS SECTION SECTION	AL (OS&Y) AL (BFLY)	Accessible YES YES YES	Signs NO YES NO	Open YES YES YES	Secured NO NO YES	YES YES N/A	N/A N/A N/A	N/A N/A YES	Operationa N/A N/A YES
3. 4. T Qty 2 5 3 2	MAIN (OS SECTION SECTION AF LOOP	AL (OS&Y) AL (BFLY) (OS&Y)	Accessible YES YES YES YES YES	Signs NO YES NO NO	Open YES YES YES YES	Secured  NO NO YES NO	YES YES N/A	N/A N/A N/A	N/A N/A YES	Operationa N/A N/A YES
33. 44. T Qty 2 5 3 2	Type of MAIN (OS SECTION, SECTION, AF LOOP	AL (OS&Y) AL (BFLY) (OS&Y)	Accessible YES YES YES YES YES ACKFLOW/C	Signs NO YES NO NO	Open YES YES YES YES YES	Secured  NO NO YES NO	YES YES N/A YES	N/A N/A N/A N/A	N/A N/A YES N/A	Operationa N/A N/A YES N/A
Qty 2 5 3 2 T	Type of MAIN (OS SECTION) SECTION AF LOOP  ABLE 5 PUR	AL (OS&Y) AL (BFLY) (OS&Y)	Accessible YES YES YES YES ACKFLOW/CI	Signs NO YES NO NO HECK VALV	Open YES YES YES YES YES SEE INFORMA	Secured  NO  NO  YES  NO  TION  YEAR	YES YES N/A	N/A N/A N/A N/A	N/A N/A YES N/A	Operationa N/A N/A YES N/A ATION
33. 44. T Qty 2 5 3 2 T No.	Type of MAIN (OS SECTION, AF LOOP)  ABLE 5 PUR MAIN	AL (OS&Y) AL (BFLY) (OS&Y)	Accessible YES YES YES YES YES ACKFLOW/CI MFG TCIW	Signs NO YES NO NO HECK VALV MODEL SWING	Open YES YES YES YES YES SEE INFORMA SIZE 6"	Secured NO NO YES NO TION YEAR 1963	YES YES N/A YES	N/A N/A N/A N/A	N/A N/A YES N/A LOCA MAIN MECHAI	Operationa N/A N/A YES N/A ATION NICAL ROOM
T Qty 2 5 3 2 T TNo. 1. 22.	Type of MAIN (OS SECTION, AF LOOP)  ABLE 5 PUR MAIN MAIN	AL (OS&Y) AL (BFLY) (OS&Y)	Accessible YES YES YES YES YES  MFG TCIW	Signs NO YES NO NO HECK VALV MODEL SWING SWING	Open YES YES YES YES YES SIZE 6" 6"	Secured NO NO YES NO TION YEAR 1963 1964	YES YES N/A YES	N/A N/A N/A N/A	N/A N/A YES N/A LOC MAIN MECHAI	N/A N/A YES N/A N/A ATION NICAL ROOM
T Qty 2 5 3 2 T No. 1. 2. 3.	Type of MAIN (OS SECTION) SECTION AF LOOP  ABLE 5 PUR MAIN MAIN FDC	AL (OS&Y) AL (BFLY) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES TOW TOW KENNEDY	Signs NO YES NO NO HECK VALV MODEL SWING SWING UT	Open YES YES YES YES YES SIZE 6" 6" 4"	Secured	YES YES N/A YES  LAST INSPI	N/A N/A N/A N/A	N/A N/A YES N/A  LOC/ MAIN MECHAI MAIN MECHAI WEST END M/	Operationa N/A N/A YES N/A N/A  ATION NICAL ROOM AIN MECH RM
T T Qty 2 5 3 2 T T No. 1. 2. 3. 4.	Type of MAIN (OS SECTION) AF LOOP  ABLE 5 PUR MAIN MAIN FDC SPRINKLE	AL (OS&Y) AL (BFLY) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES TOW TOW KENNEDY KENNEDY	Signs NO YES NO NO HECK VALV MODEL SWING SWING UT UT	Open YES YES YES YES YES  TE INFORMA SIZE 6" 6" 4" 4"	Secured  NO NO YES NO  TION  YEAR 1963 1964 1963 1963	YES YES N/A YES	N/A N/A N/A N/A	N/A N/A YES N/A  LOC/ MAIN MECHAI MAIN MECHAI WEST END M/ HALL BY MAIN	Operationa N/A N/A YES N/A N/A  ATION NICAL ROOM NICAL ROOM AIN MECH RM NECH RM
3. 4. T Qty 2 5 3 2	Type of MAIN (OS SECTION) SECTION AF LOOP  ABLE 5 PUR MAIN MAIN FDC	AL (OS&Y) AL (BFLY) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES ACKFLOW/CI MFG TCIW TCIW KENNEDY KENNEDY TCIW	Signs NO YES NO NO HECK VALV MODEL SWING SWING UT	Open YES YES YES YES YES YES  YES  YES  YES	Secured  NO  NO  YES  NO  TION  YEAR  1963  1964  1963  1963  1963	YES YES N/A YES  LAST INSPI	N/A N/A N/A N/A	N/A N/A YES N/A  LOCA MAIN MECHAI MAIN MECHAI WEST END MAIN HALL BY MAIN MACHINE SHO	Operationa N/A N/A YES N/A  ATION NICAL ROOM NICAL ROOM AIN MECH RM DP
3. 4. T Qty 2 5 3 2 T No. 1. 2. 3. 4.	Type of MAIN (OS SECTION, AF LOOP)  ABLE 5 PUR MAIN MAIN FDC SPRINKLE AF LOOP	AL (OS&Y) AL (BFLY) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES TOW TOW KENNEDY KENNEDY	Signs NO YES NO NO HECK VALV MODEL SWING SWING UT UT SWING	Open YES YES YES YES YES  TE INFORMA SIZE 6" 6" 4" 4"	Secured  NO NO YES NO  TION  YEAR 1963 1964 1963 1963	YES YES N/A YES  LAST INSPI	N/A N/A N/A N/A	N/A N/A YES N/A  LOC/ MAIN MECHAI MAIN MECHAI WEST END M/ HALL BY MAIN	Operational N/A N/A N/A YES N/A  ATION NICAL ROOM NICAL ROOM AIN MECH RM DP



		ON / OFF PRI	EMISES MONIT	ORING			
TYPE	YES	NO	TIME		COMM	ENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
	NOTIFI	CATIONS TI	LAT TECTING I	COMPLETE			
TYPE	YES	CATIONS IF	IAT TESTING IS	WHO			TIME
BUILDING OCCUPANTS	1 1 2 3			WITO			I IIVIE
BUILDING MANAGEMENT	X	DV//ID KI II	FFNER/RICH			11	2:00PM
MONITORING ENTITY	X	CAMPUS S					2:00PM
2ND MONITORING ENTITY	^	OAWII UU U	DEOURITI			12	
AHJ (NOTIFIED) OF IMPAIRMENTS							
,	WAS PERFOR	MED IN ACC	ORDANCE WIT	H APPLICABLE I	NFPA STAND	DARDS	
				COMMENDA			
ALL FIRE HOSES NEED REMOVED AND		<u> </u>					
NO LIEAD DOV OD MIDENCII AT DICED							
	PING IN RM 055 E	ENGINEERING	OFFICE				
LIGHT HANGING FROM SPRINKLER PIF	HECK VALVE INS	PECTIONS IN	2010 (2 - ON AN			T DONE)	
NO HEAD BOX OR WRENCH AT RISER LIGHT HANGING FROM SPRINKLER PIF PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O	HECK VALVE INS N SYSTEM DOES	PECTIONS IN S NOT FULLY I	2010 (2 - ON ANT SOLATE, NEEDS	TO BE REPLACED	)	T DONE)	
LIGHT HANGING FROM SPRINKLER PIF PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O	HECK VALVE INS N SYSTEM DOES	PECTIONS IN S NOT FULLY I	2010 (2 - ON ANT SOLATE, NEEDS	TO BE REPLACED	)	T DONE)	
LIGHT HANGING FROM SPRINKLER PIF PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4	TO BE REPLACED	)	T DONE)	
LIGHT HANGING FROM SPRINKLER PIF PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1 NOTE: ALARM PANELS IN BSMT RM 05	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I 57 *ALL SIGNALS	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4	TO BE REPLACED	SIGNS	TIME	12:00PM
PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1 NOTE: ALARM PANELS IN BSMT RM 05	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I 57 *ALL SIGNALS	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4 ND RESET**	5 TO BE REPLACED c) CONTROL VALVE	SIGNS	,	12:00PM
LIGHT HANGING FROM SPRINKLER PIF	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I 57 *ALL SIGNALS	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4 ND RESET**	5 TO BE REPLACED c) CONTROL VALVE	SIGNS	,	12:00PM
PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1 NOTE: ALARM PANELS IN BSMT RM 05 SYSTEM RESTORED TO NORMAL	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I 57 *ALL SIGNALS	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4 ND RESET**	5 TO BE REPLACED c) CONTROL VALVE	SIGNS	,	12:00PM
PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1 NOTE: ALARM PANELS IN BSMT RM 05 SYSTEM RESTORED TO NORMAL	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I 57 *ALL SIGNALS OPERATION	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN RECEIVED AN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4 ND RESET**	5 TO BE REPLACED ) CONTROL VALVE 5/21/2	SIGNS	,	12:00PM
PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1 NOTE: ALARM PANELS IN BSMT RM 05 SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I  TO *ALL SIGNALS  OPERATION  PRESENTATIVE	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN RECEIVED AN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4 ND RESET** DATE JASON JOHN	5 TO BE REPLACED ) CONTROL VALVE 5/21/2	SIGNS	,	12:00PM
PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1 NOTE: ALARM PANELS IN BSMT RM 05 SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REP	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I 57 *ALL SIGNALS  OPERATION  PRESENTATIVE ER/REPRESENT	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN RECEIVED AN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4 ND RESET**  DATE  JASON JOHN  DAVID KUFFN	5 TO BE REPLACED ) CONTROL VALVE 5/21/2	SIGNS	,	12:00PM
PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1 NOTE: ALARM PANELS IN BSMT RM 05 SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REF SIGNATURE OF PROPERTY OWNE	HECK VALVE INS N SYSTEM DOES ) ANTI-FREEZE I 57 *ALL SIGNALS  OPERATION  PRESENTATIVE ER/REPRESENT  OCCUPANCY &:	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN RECEIVED AN	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4 ND RESET**  DATE  JASON JOHN  DAVID KUFFN	5 TO BE REPLACED ) CONTROL VALVE  5/21/  STON	SIGNS	,	12:00PM
PERFORMED (2) OUT OF (6) 5 YEAR CH MAIN CONTROL VALVE 1ST 6" OS&Y O INSTALLED SIGNS WHERE NEEDED: (1 NOTE: ALARM PANELS IN BSMT RM 05 SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR	HECK VALVE INS IN SYSTEM DOES IN ANTI-FREEZE IN TO THE TENTE TO THE TE	PECTIONS IN S NOT FULLY I LOOP, (1) MAIN RECEIVED AN  TATIVE  stored com- corrected?	2010 (2 - ON ANT SOLATE, NEEDS N DRAIN SIGN, (4ND RESET**  DATE  JASON JOHN  DAVID KUFFN  modity?	5 TO BE REPLACED ) CONTROL VALVE  5/21/  STON  NER  Yes or No	SIGNS  12  YES	,	12:00PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA  Vanguard Fire & Secu	`	RATE)	1	X 163 282	A6 S. Sprinkle Rd. B3 S. Champagne B21 Beck Rd., Sui B0 Arbor Tech Dr.  NAME WAYNE STATE	e Dr, Saginavite A-9, Wixo Suite F, He	w MI om MI bron KY	
2101 Martindale Ave. S Grand Rapids, MI 495				Address: DETROIT, M	5045 CASS I 48202			
Technician: JASON JOHNSTON			1	Owner Contact: Telephone:		LLOYD / DAVID KUFFNER 313-684-2760		
Telephone:	800-444-871		PRIOR TO	Approving Ag			FIRE DEPAR	
NOTIFICATIONS		YES	PHONE I	NUMBERS		WHO		TIME
BUILDING OCCUPANTS BUILDING MANAGEME MONITORING ENTITY	NT	X	(313) 6	84-0855	LLOYD / DAVID K			12:30PM 12:30PM
2ND MONITORING ENT AHJ (NOTIFIED) OF IMF								
	AIKIVIENTO		1		1			
ALIS (NOTIFIED) OF IMP								
ALIS (NOTIFIED) OF IMP			SYSTEM	INFORMATIO	N			
GENERAL INFORMATION			SYSTEM	NFORMATIO	N	YES	NO	N/A
,	ON (GI)	?	SYSTEM	INFORMATIO	N	YES X	NO	N/A
GENERAL INFORMATION  1. Is the building occurrence  2. Is the building full	ON (GI) cupied as in past ly sprinkled?				N	X	NO X	N/A
GENERAL INFORMATION  1. Is the building occupation occu	ON (GI) cupied as in past ly sprinkled? rice without modi	fication sin	ce the last in	spection?	N .		X	N/A
GENERAL INFORMATION  1. Is the building occupation occu	ON (GI) cupied as in past y sprinkled? rice without modi head box with w	fication sin	ce the last in	spection? d?		X		N/A
1. Is the building occ 2. Is the building full 3. System(s) in serv 4. Spare heads and 5. Stock/Storage a r	ON (GI) cupied as in past y sprinkled? rice without modi head box with w	fication sin vrench secu pelow sprin	ce the last in urely mounte kler heads &	spection? d? ceiling tiles i	n place?	X	X	N/A
GENERAL INFORMATION  1. Is the building occupation occu	ON (GI) cupied as in past y sprinkled? vice without modi head box with w minimum of 18" b good condition,	fication sin vrench secu pelow sprin in 5-yr calib	ce the last in urely mounte kler heads &	spection? d? ceiling tiles i	n place?	X	X	N/A



VAL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?		Χ	
SPR	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
1.	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	Х		
	Are riser(s) in good condition & unobstructed?	X		
	Hydraulic nameplate in place and OK?	1		Х
	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?	Х		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)			X
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
	· · · · · · · · · · · · · · · · · · ·			
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
1.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
3.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	Х		
ORY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?		-	X
2.	Pressure & priming water OK?	1		X
3.	Air supply in good working order?	1		X
1.	Were low points drained during fall & winter inspections?	1		X
5.	Are accelerator(s) in good condition?	1		X
3.	All dry valves have been trip tested & OK (See Table 3)			X
7.	Dry pipe valves are in heated area?	1		X
8	Was customer informed that they need to drain all drum drips on a monthly basis?			X
-	The state of the s			



	•									
T	ABLE 1		AN	ITI-FREEZE I	LOOP					
,	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A	сор				1101 01 110440	.,,,,,,		
T/	ABLE 2		М	AIN DRAIN T	ΓEST					
Ri	iser No.	Drain Size	Static Pres	ssure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	5	0		40				
	2.									
	3.									
	4.									
T.	ABLE 3		DF	RY SYSTEM	TEST					
	Valve					Starting Air		_	Trip Air	
No.	Size	+	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A							1	
2.						-			1	
3.	 	<u> </u>	_					T1-10	V	
	ation of D	rum Drains	<u> </u>					Tested?	Yes	No
1.										
2.										
3. 4.										
4.								J		
T.	ABLE 4		CONTRO	L VALVE INF	ORMATION	1				
		· I								
										Tamper
Qty		of Valve	Accessible		Open	Secured	Sealed	Locked		Operationa
	MAIN (OS		YES	NO	YES	YES	N/A	N/A	YES	YES
	SECTION SP		YES	NO	YES	YES	N/A	YES	N/A	N/A
4	SECTION ST	APIPE OS&Y	YES	NO	NO	YES	N/A	YES	N/A	N/A
									1	
									1	
	ADLES		ACKELOW/O	HECK VALV	E INCODA:	TION				
	ABLE 5	POSE	ACKFLOW/C			T	LACTINOD	ECTED	1 100	ATION
No. 1.			MFG	MODEL	SIZE	YEAR	LAST INSP			ATION
1. 2.		OR CHECK	HERSEY	56982	6" 3⁄4"	1989	2010		BASEMENT F	
	MAIN	OR BYPASS	N1BCO	BRASS SWING	6"	1990	2010		BASEMENT F	
3. 4.	IVIAIIN		NIBCO	908W	Ö	1989	2010		BASEMENT F.	AN KUUM
<del>4.</del> 5.						1			1	
5. 6.									+	
7.										



	(	N / OFF PRE	MISES MONITORIN	IG	
TYPE	YES	NO	TIME	COMMENTS	
ALARM SIGNAL	X				
ALARM RESTORAL	X				
ROUBLE SIGNAL	X				
FROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	Χ				
SUPERVISORY RESTORAL	X				
	NOTIFI	CATIONS TH	AT TECTING IC CO	MDI ETE	
		CATIONS TH	AT TESTING IS CO		
	NOTIFI YES	CATIONS TH	AT TESTING IS CO WHO		ME
BUILDING OCCUPANTS	YES		WHO	TIN	
TYPE BUILDING OCCUPANTS BUILDING MANAGEMENT	YES	LLOYD/ DA	WHO VID KUFFNER	3:30	0PM
BUILDING OCCUPANTS	YES		WHO VID KUFFNER	3:30	
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY	YES	LLOYD/ DA	WHO VID KUFFNER	3:30	0PM
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY END MONITORING ENTITY	YES	LLOYD/ DA	WHO VID KUFFNER	3:30	0PM
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS	X X	LLOYD/ DA'	WHO VID KUFFNER ECURITY	3:30	0PM

NOT ABLE TO LOCATE FDC CHECK VALVE, BUT CONNECTION LOCATED NE CORNER OF BUILDING PANEL IN BSMT MECH RM BY ENGINEERS OFFICE

ALL SIGNALS RECEIVED AND RESET

NO HEAD BOX OR WRENCH AT RISER

SYSTEM RESTORED TO NORMAL OPERATION	DATE	5/16/	12	TIME	3:30PM
NAME OF INSPECTOR	TROY TYLER	1			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored co		Yes or No	YES		
Have the noted deficiencies/violations been corrected	l?	Yes or No	NO		
Have the deficiencies/violations been authorized for re	epair?	Yes or No	YES		
If no, please explain reason:					



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER  SERVICE ORGANIZ  Vanguard Fire & Sec  2101 Martindale Ave	EATION (CORPO curity . SW	RATE)		PROPER Name:	764 163: 282: 105:	WAYNE STATE 5000 GULLEN N	, Portage M Dr, Sagina te A-9, Wixo Suite F, He	w MI om MI bron KY	
Grand Rapids, MI 49	509		J	DETROI	<u>Г, МІ</u>	48202			
echnician: J. JOHNSTON		ON		Owner Contact:		LLOYD / D	NER		
TROY TYLER	T		<u> </u>	Telephor	ne:		(313) 577-4	1345	
Telephone:	800-444-87	19		Approvin	g Ag	ency:	DETROIT F	FIRE DEPA	RTMENT
			PRIOR TO	ANY TE	STIN	IG			
NOTIFICATIONS		YES		NUMBER			WHO		TIME
BUILDING OCCUPAN	ΓS								
BUILDING MANAGEM		X	(313) 5	77-4345		DON / DAVID KUF			7:00 AM
MONITORING ENTITY		X				CAMPUS SECUR	ITY		7:00 AM
2ND MONITORING EN									
AHJ (NOTIFIED) OF IN	MPAIRMENTS								
			SYSTEM	INFORMA	TION	.I			
GENERAL INFORMAT	TION (GI)		SISIEWI	INTORINE	TION	<b>4</b>	YES	NO	N/A
	ccupied as in pas	st?					X		IN//
Is the building full control in the second control in the sec								X	
	rvice without mod	lification sir	ce the last in	spection	?		X		1
	d head box with								X
ŭ	minimum of 18"								X
	n good condition,	•	bration, and s	showing r	norm	al pressures?	X		
<ol><li>Wet system are</li></ol>	as are adequately	y heated?					X		



ΆL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	1	X	
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
<u>,</u>	valves labilitation:			
SPR	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	1.20		X
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?			X
3.	Are all sprinkler heads less than 50 years old?			X
4.	Are sprinkler heads of proper temperature rating?			X
<del>4.</del> 5.	Are riser(s) in good condition & unobstructed?	X		^
6.	Hydraulic nameplate in place and OK?	^		X
		+		
	System ID securely attached & legible? Pipe in good condition, free of damage, obstructions, and leaks?	X		Х
8.		X		-
9.	Are all hangers OK?	^		V
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?	V		X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)		X	
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
A 1 A	DM INICODMATION (AI)	VEC	NO	N/A
	RM INFORMATION (AI) Was the local alarm tested & OK?	YES	NO	N/A
1.		X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?			X
<u>4.</u>	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6. –	No leakage from retard chambers or alarm drains?	_		X
7.	Was Inspector Test performed and results OK?			X
		1 1		
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
4.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
6.	All dry valves have been trip tested & OK (See Table 3)			X
	Dry pipe valves are in heated area?			X
7.	Was customer informed that they need to drain all drum drips on a monthly basis?			X



	ABLE 1			TI-FREEZE	LOOP	-		T		•
	No.	Location o	f Loop				No. of Heads	Type of	Backflow	Temp
		N/A								
T.	ABLE 2			AIN DRAIN						
R	iser No.	Drain Size	Static Press	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	49	)						
	2.									
	3.									
	4.									
	5.									
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
		N/A								
OC:	ation of D	rum Drains	s					Tested?	Yes	No
2.										
3.										
١.										
					AODEA A TION	ı				
Т	ABLE 4		CONTROL	VALVE INI	-ORMATION	<b>.</b>			1	
Т	ABLE 4		CONTROL	VALVE INI	-ORMATION	<u> </u>				_
		- f Walter					Ocaled	Lastrad	O	Tamper
Qty	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operation
Qty 1	Type o	&Y)	Accessible YES	Signs YES	Open YES	Secured NO	YES	N/A	N/A	Operation N/A
Qty 1 3	Type of MAIN (OS BYPASS (	&Y) OS&Y)	Accessible YES YES	Signs YES YES	Open YES YES	Secured NO NO	YES YES	N/A N/A	N/A N/A	Operation: N/A N/A
1 3	Type of MAIN (OS BYPASS (	&Y) OS&Y) S&Y)	Accessible YES YES YES	Signs YES YES YES	Open YES YES YES	Secured NO NO NO	YES YES YES	N/A N/A N/A	N/A N/A N/A	Operation N/A N/A N/A
Qty 1 3	Type of MAIN (OS BYPASS (	&Y) OS&Y)	Accessible YES YES	Signs YES YES	Open YES YES	Secured NO NO	YES YES	N/A N/A	N/A N/A	Operation: N/A N/A
Qty 1 3 1	Type of MAIN (OS BYPASS (	&Y) OS&Y) S&Y)	Accessible YES YES YES	Signs YES YES YES	Open YES YES YES	Secured NO NO NO	YES YES YES	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
1 3	Type of MAIN (OS BYPASS (	&Y) OS&Y) S&Y)	Accessible YES YES YES	Signs YES YES YES	Open YES YES YES	Secured NO NO NO	YES YES YES	N/A N/A N/A	N/A N/A N/A	Operation N/A N/A N/A
2ty 1 3 1 2	Type of MAIN (OS BYPASS (PUMP (OS SECTION)	&Y) OS&Y) S&Y) AL (OS&Y)	Accessible YES YES YES YES YES	Signs YES YES YES YES YES	Open YES YES YES YES YES	Secured NO NO NO NO	YES YES YES	N/A N/A N/A	N/A N/A N/A	Operation N/A N/A N/A
1 3 1 2	Type of MAIN (OS BYPASS (PUMP (OS SECTION)	&Y) OS&Y) S&Y) AL (OS&Y)	Accessible YES YES YES YES YES	Signs YES YES YES YES YES	Open YES YES YES YES YES	Secured NO NO NO NO NO NO NO	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	Operation N/A N/A N/A N/A N/A
1 3 1 2	Type of MAIN (OS BYPASS (PUMP (OS SECTION)	&Y) OS&Y) S&Y) AL (OS&Y)	Accessible YES YES YES YES YES ACKFLOW/CI	Signs YES YES YES YES HECK VALV	Open YES YES YES YES YES SEE YES	Secured NO NO NO NO NO YEAR	YES YES YES YES LAST INSP	N/A N/A N/A N/A	N/A N/A N/A N/A	Operation: N/A N/A N/A N/A N/A N/A
1 3 1 2 Tilo.	Type of MAIN (OS BYPASS (PUMP (OS SECTION)  ABLE 5 PUR MAIN	&Y) OS&Y) S&Y) AL (OS&Y)	Accessible YES YES YES YES YES ACKFLOW/CI MFG TCIW	Signs YES YES YES YES YES MECK VALV	Open YES YES YES YES YES YES 4"	Secured NO NO NO NO NO YEAR 1959	YES YES YES YES LAST INSP	N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A BASEMENT	N/A
1 3 1 2 Tolo.	Type of MAIN (OS BYPASS (PUMP (OS SECTION)  ABLE 5 PUR MAIN BYPASS	&Y) OS&Y) S&Y) AL (OS&Y)	Accessible YES YES YES YES YES ACKFLOW/CI MFG TCIW AFC	Signs YES YES YES YES YES UT 2101	Open YES YES YES YES YES YES  ZE INFORMA SIZE 4" 4"	Secured NO NO NO NO NO VEAR 1959 2001	YES YES YES YES YES 2010	N/A N/A N/A N/A	N/A N/A N/A N/A N/A BASEMENT BASEMENT	N/A N/A N/A N/A N/A N/A N/A N/A MECH ROC
2ty 1 3 1 2	Type of MAIN (OS BYPASS (PUMP (OS SECTION)  ABLE 5 PUR MAIN	&Y) OS&Y) S&Y) AL (OS&Y)	Accessible YES YES YES YES YES ACKFLOW/CI MFG TCIW	Signs YES YES YES YES YES MECK VALV	Open YES YES YES YES YES YES 4"	Secured NO NO NO NO NO YEAR 1959	YES YES YES YES LAST INSP	N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A BASEMENT	N/A N/A N/A N/A N/A N/A N/A N/A MECH ROO MECH ROO MECH ROO



	(	N / OFF PRE	MISES MONITORI	NG
TYPE	YES	NO	TIME	COMMENTS
ALARM SIGNAL	X			
ALARM RESTORAL	X			
TROUBLE SIGNAL	N/A			
TROUBLE RESTORAL	N/A			
SUPERVISORY SIGNAL	N/A			
SUPERVISORY RESTORAL	N/A			
	NOTIFI	CATIONS TH	AT TESTING IS CO	OMPLETE
ТҮРЕ	YES		WH	O TIM
	YES		WH	D TIM
BUILDING OCCUPANTS BUILDING MANAGEMENT	YES		VID KUFFNER	1 TIM 4:00F
BUILDING OCCUPANTS BUILDING MANAGEMENT		LLOYD / DA	VID KUFFNER	
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTITY	X		VID KUFFNER	4:00F
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS	X	CAMPUS SI	VID KUFFNER ECURITY	4:00F 4:00F
	X X X AS PERFOR	CAMPUS SI	VID KUFFNER ECURITY  ORDANCE WITH A	4:00F

FIRE PUMP OUT OF SERVICE, SYSTEM ON CITY BYPASS ONLY UNABLE TO RUN MAIN DRAIN DUE TO FLOOR FLOODING

TEST HEADER OS&Y LEAKS BY LEAVING OUTSIDE OF HEADER CHARGED AND A FREEZE HAZARD

10 HOSES NEED HYDROTESTED OR REPLACED - ORIGINAL TO BUILDING SHOULD BE REMOVED ON PLUGGED.

SYSTEM RESTORED TO NORMAL OPERATION	DATE	5/17/	12	TIME	8:30 AM
NAME OF INSPECTOR	J. JOHNSTON				
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFN	IER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
			_		
Is system code compliant with occupancy & stored com	modity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected?	•	Yes or No	NO	•	•
Have the deficiencies/violations been authorized for rep	air?	Yes or No	YES		
If no, please explain reason:		•	•		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

	T				1			
DATE:	5/17/12						e. SW, Gran I., Portage M	d Rapids MI II
ARRIVAL TIME:	10:00am			X			e Dr, Sagina	
				1			ite A-9, Wix	
WORK ORDER NUMBER:	243697			J [	1050 Ark	oor Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION (	CORPORA	ATE)		]	PROPERT	ΓΥ NAME		
Vanguard Fire & Security					Name:	WAYNE S	TATE - LIFE	SCIENCES
2101 Martindale Ave. SW					Address:	5000 GUL	LEN MALL	
Grand Rapids, MI 49509					DETROIT	MI 48202		
Grana Rapido, IVII 40000				_	DETROIT	, WII 40202		
Technician:	J. JOHNS	TON		]	Owner Co	ntact:	LLOYD/DA	VID KUFFNER
T. TYLER				1	Telephone	<b>)</b> :	(313) 577-4	4345
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.
					111 - 3	<u>g , </u>		
			PRIOR TO AN		ı			
NOTIFICATIONS		YES	PHONE I	NUMBER		WHO		TIME
BUILDING OCCUPANTS		.,	(5 ( 5 ) -					
BUILDING MANAGEMENT MONITORING ENTITY		X	(313) 57	77-4345	CAMPUS S	VID KUFFNI	ER	2:30PM 2:30PM
2ND MONITORING ENTITY		^			CAMPUS	BECURIT		2.30PW
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS							
74.10 (140 111 122) 01 7441 1111 741	INILITIO				<u> </u>			
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUN	IP DATA				
MANUFACTURER	OH-\	NHEELER I	MFG.CO	RATE GPM			350	
MODEL		3 X 2 MN	N	RATE PSI				
SERIAL NUMBER		12-3602	-	PSI @ 150%				
TYPE		SPLITCAS	SE	MAX PRES				
RATED RPM				AUTO STAF	RT		20	
IMPELLER SIZE				SATISFIED	PSI		55	
HORSE POWER		20		AUTO STO	)		NO	
WATER SUPPLY		CITY		RUN TIMER	1		N/A	
			510 5 DI 114					
MANUEACTURE		EOTDIO DV	FIRE PUMP		00411	IDATED DO	N 4	2522
MANUFACTURER	ELI	ECTRIC DY	NAMIC	FRAME	284-U	RATED RP	IVI	3530
MODEL SERVE		HN 70002452	^ <i>E</i>	VOLTAGE	440	HZ HODEE DO	WALD	60
SERIAL NUMBER		70603152		AMP	25.5	HORSE PC		20
TYPE		ELECTRI	C	PHASE	3	SERVICE F	ACTOR	1.15



<b>▼</b>					
	FIRE PUMP (	CONTROL			
MANUFACTURER	CUTLER HAMMER	HORSE POWER RATING	}		20
MODEL	E754287A	VOLTAGE			440
SERIAL NUMBER	N/A	AMP RMS			N/A
	JOCKEY PU	IMP DATA			
MANUFACTURER	N/A	INLET/OUTLET SIZE			
MODEL		START PRESSURE (ON)			
SERIAL NUMBER		STOP PRESSURE (OFF)			
HORSE POWER		VOLTAGE			
	REMOTE ALARM	MS PROVIDED			
DISPLAYED AT	PANEL IN MECH ROOM				N/A
PUMP RUNNING	YES	PUMP ROOM LOW TEMI	P		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
		1011 2:1011 : 011			
	FIRE PUMP TE	ST REPORT			
Inspection of Pump	7.11(2.1.01.11.12	.or KEI OKI	YES	NO	N/A
System found in service?			120	X	III/A
Fire pump controller in automatic service?	)			X	
Jockey pump controller in service on auto					X
4. Is alarm panel clear?	· :		X		Λ
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
Suction, discharge and bypass valves operates	an?			X	Λ
10. Piping, valves and fittings free from leak			X		
11. Main relief valve functions ok?	3:				X
Electronic Pump Inspection			YES	NO	N/A
Isolation switch and circuit breaker exerci	cod?		ILO	X	IV/A
Diesel Pump Inspection	seu :		YES	NO	N/A
Fuel tank at least two-thirds full?			ILO	110	X
Controller selector switch in auto position	2				X
Battery voltage and reading normal?	!				X
Battery voltage and reading normal?     Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph pape	r present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



	N OF FIRE PUMP AND PIPING		S NO	N/A
1. Valves in proper position and in good condition?			X	1 1,71
2. Are all valves listed for application?			X	
3. Valves locked, sealed or supervised?			X	
4. Are all valves tagged and identified?			X	
5. Jockey pump operational?				X
6. Packing glands appear properly adjusted?				XX
7. Bi-monthly test records available?				X
B. Were automatic starts performed?				X
9. Were manual starts performed?				X
10. Did automatic and manual starts and stops fund	ction properly?			X
11. Remote alarm conditions demonstrated?	onen propony.			X
12. Are drains operational and ok?				X
13. Does fire pump shaft and coupling appear to be	properly aligned?			X
14. Does jockey pump appear to be aligned ok?	FF.2 <i>J</i> 6 <b>32</b>			X
15. Does fire pump have casing relief valve and does	s it function properly?			X
16. Is test header in good condition and drained?				X
17. Supplying tank or reservoir appears to be in satis	sfactory condition?			X
18. Tank water level ok?	station, containent			X
19. At completion, was pump returned to automatic	operation and all valves normal?	>	X	
20. Site personnel were offered instruction in pump of	·			X
21. Sensing lines for jockey and fire pump separate?	•			X
22. Power transfer switch tested and ok?				X
				,
	FLOW INSPECTION REPOR	Т		
Fire Pump Flow Test Report	CHURN	100% FLOV	/ 15	0% FLOW
RPM During Test		100701201		<u> </u>
Voltage During Test				
Amperage During Test				
RATED NET HEAD		1		
SUCTION PRESSURE				
DISCHARGE PRESSURE				
NET HEAD				
METHER				
RATED GPM				
OUTLET A PITOT				
OUTLET A PITOT				
OUTLET & PITOT				
OUTLET C PITOT  OUTLET D PITOT				
		Í		
OUTLET E PITOT		0		0
TOTAL FLOW	0	0 #DIV/01		<u> </u>
	0	0 #DIV/0!		0 #DIV/0!



		DII	ESEL BATTEI	RY INSPECTION			
TYPE			ISUAL	FUNCTIO	NAL	COMMEN	ITS
BATTERY CONDITION			N/A	1 0110111			
/OLTAGE							
BATTERY SIZE							
CHARGER VOLTAGE							
	EMERGEN	CY COMM	UNICATION E	QUIPMENT:ON/	OFF MONITORIN	G	
TYPE	YES	NO	TIME		COM	MENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
ROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	N/A						
SUPERVISORY RESTORAL	N/A						
		NOTIFICA	TIONS THAT	TESTING IS COM	/IPLETE		
TYPE		YES		WHO			TIME
BUILDING OCCUPANTS							
BUILDING MANAGEMENT		X	LLOYD / DA	VID KUFFNER		1	1:00AM
MONITORING ENTITY		X	CAMPUS SE	ECURITY			1:00AM
ND MONITORING ENTITY							
AHJ (NOTIFIED) OF ANY IMPA	IRMENTS						
,							
THIS TESTI	NG WAS PE	RFORME	D IN ACCORE	DANCE WITH AP	PLICABLE NFPA	STANDARDS	
11	ISDECT	שיפ כנ	NAMENITO	AND DECO	MMENDATIO	NC	
							DICED
PUMP IS OUT OF SERVICE	PER FACI	LITIES. C	DN CITY BYF	PASS . UNLY S	YSTEM PRESS	URE 49PSI AT	RISER
SHAFT COUPLING NEEDS	TO BE REF	PLACED	-NO CHAE				
		_,	-NO GUAI	RD FOR SHAFT			
NOTES: NO JOCKEY ON SY	CTEM IN						
NOTES: NO JOCKEY ON SY	'STEM. IN						
NOTES: NO JOCKEY ON SY	'STEM. IN						
NOTES: NO JOCKEY ON SY	STEM. IN						
NOTES: NO JOCKEY ON SY	STEM. IN						
		SPECTO		I STAIRWELL T	O ROOF	TIME	11:00AM
		SPECTO				TIME	11:00AM
SYSTEM RESTORED TO NORI		SPECTO		I STAIRWELL T	O ROOF 5/17/12	TIME	11:00AM
SYSTEM RESTORED TO NOR!		SPECTO		DATE	O ROOF 5/17/12	TIME	11:00AM
SYSTEM RESTORED TO NOR!		SPECTO		DATE	O ROOF 5/17/12	TIME	11:00AM
SYSTEM RESTORED TO NORI NAME OF INSPECTOR NSPECTOR'S SIGNATURE	MAL OPERA	SPECTO		DATE	O ROOF 5/17/12	TIME	11:00AM
SYSTEM RESTORED TO NORI	MAL OPERA	SPECTO		DATE	O ROOF 5/17/12	TIME	11:00AM
SYSTEM RESTORED TO NORI NAME OF INSPECTOR NSPECTOR'S SIGNATURE	MAL OPERA	ATION	RS TEST ON	DATE	O ROOF 5/17/12	TIME	11:00AM
SYSTEM RESTORED TO NORI NAME OF INSPECTOR NSPECTOR'S SIGNATURE	MAL OPERA	ATION	RS TEST ON	DATE	O ROOF 5/17/12	TIME	11:00AM
SYSTEM RESTORED TO NORI NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEI SIGNATURE OF PROPERTY O	MAL OPERA	ATION	RS TEST ON	DATE  J. JOHNSTON	5/17/12 & T. TYLER	•	11:00AM
SYSTEM RESTORED TO NORINAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEITSIGNATURE OF PROPERTY OF SIGNATURE	MAL OPERA	ATION  PRESENTA	TIVE	DATE  J. JOHNSTON	5/17/12 & T. TYLER	No NO	11:00AM
SYSTEM RESTORED TO NORI NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEI SIGNATURE OF PROPERTY O	MAL OPERA	ATION  PRESENTA  ancy & st s been co	TIVE	DATE  J. JOHNSTON  odity?	5/17/12 & T. TYLER  Yes or Yes or	•	11:00AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZATI  Vanguard Fire & Security  2101 Martindale Ave. SW	,			76 X 16 28	01 Martindale Ave 46 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr.  NAME  CHEMISTRY - 0 5101 CASS	., Portage M e Dr, Sagina ite A-9, Wixo Suite F, He	II w MI om MI	
Grand Rapids, MI 49509				DETROIT, M				
			•		SCIENCE AND E	NG. LIBRAF	RY & CHEM	BLDG)
Technician:	JASON JOH	INSTON		Owner Conta	act:	DAVID KUF	FFNER/MAF	RK C.
TROY TYLER				Telephone:		(313) 268-2	2371	
Telephone:	800-444-871	9		Approving A	gency:	DETROIT F	FIRE DEPAR	RTMENT
			PRIOR TO	ANY TESTI	NG			
NOTIFICATIONS		YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS			586-2	91-4654	ORLANDIS			6:30AM
BUILDING MANAGEMENT		X	(313) 2	268-2371	DAVID KUFFNER			6:30AM
MONITORING ENTITY		X			CAMPUS SECUR	ITY		6:30AM
2ND MONITORING ENTIT								
AHJ (NOTIFIED) OF IMPAI	RMENTS							
			CVCTEM	INFORMATIO	ANI			
GENERAL INFORMATION	(GI)		SISIEM	INFORMATIC	/IN	YES	NO	N/A
Is the building occup		t?				120	X	IV/A
Is the building fully s		••					X	
3. System(s) in service		ification sind	ce the last ir	nspection?		X		
4. Spare heads and he						Χ		
<ol><li>Stock/Storage a mir</li></ol>						X		
6. Are all gauges in go			ration, and	showing norr	nal pressures?		Χ	
7. Wet system areas a	re adequately	heated?				X		



ΔΙΛ	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	NA
	Main control valves in good condition and identified?	^	X	
	Are control valves secure?		^	
	Are all control valves accessible & free from external leaks?	X		
		X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
		1 11-0		1
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
3.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			Х
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?		X	^
		V	^	
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
6.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
	PM INFORMATION (AI)	VEC	NO	NI/A
	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X		
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?	+		X
	All dry valves have been trip tested & OK (See Table 3)			X
	Dry pipe valves are in heated area?	+		X
		4		X
	Was customer informed that they need to drain all drum drips on a monthly basis?			· · · · · · · · · · · · · · · · · · ·



	<u> </u>									
T	ABLE 1	I	AN	TI-FREEZE I	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A	•							
T	ABLE 2		M	AIN DRAIN 1	ΓEST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	16	8		N/A				
	2.									
	3.									
	4.									
	5.									
T.	ABLE 3		DR	Y SYSTEM	TEST	1 a '				1
	Valve		( D . ) ( )	<b>.</b>	4 1 = .	Starting Air	04 - 41 - 124 -	_	Trip Air	T T.
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	N/A	-				<del>                                     </del>			<del> </del>	
2.										
2										
•	otion of D	rum Drain						Tootod2	Voc	No.
Loca	l ation of D	rum Drain	S					Tested?	Yes	No
1.	ation of D	rum Drain	S					Tested?	Yes	No
Loca 1. 2.	ation of D	rum Drain	S					Tested?	Yes	No
Loca 1.	ation of D	rum Drain	s					Tested?	Yes	No
Loca 1. 2. 3.	ation of D	rum Drain:		_ VALVE INF	FORMATION	ı		Tested?	Yes	No
Loca 1. 2. 3.		rum Drain:		_ VALVE INF	FORMATION	ı I		Tested?	Yes	No
Loca 1. 2. 3.	ABLE 4			_ VALVE INF	FORMATION			Tested?		Tamper
Loca 1. 2. 3.	ABLE 4	of Valve	CONTROL	Signs	Open	Secured	Sealed	Locked	Supervised	Tamper Operationa
Loca 1. 2. 3. T	ABLE 4  Type of BACKFLO	of Valve W (OS&Y)	CONTROI Accessible YES	Signs YES	Open YES	Secured YES	N/A	Locked N/A	Supervised YES	Tamper Operationa YES
Loca 1. 2. 3. Tr	Type of BACKFLO BYPASS (	of Valve W (OS&Y) BFLY)	CONTROL Accessible YES YES	Signs YES NO	Open YES YES	Secured YES YES	N/A N/A	Locked N/A N/A	Supervised YES YES	Tamper Operationa YES YES
Loca 1. 2. 3. Tr	Type of BACKFLO BYPASS (PUMP (OS	of Valve W (OS&Y) BFLY) S&Y)	CONTROL  Accessible  YES  YES  YES	Signs YES NO YES	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	Locked N/A N/A N/A	Supervised YES YES YES	Tamper Operationa YES YES YES
Loca 1. 2. 3. Tr	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (B	of Valve W (OS&Y) BFLY) S&Y)	CONTROL  Accessible  YES  YES  YES  YES  YES	Signs YES NO YES NO	Open YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	Locked N/A N/A N/A N/A	Supervised YES YES YES YES YES	Tamper Operationa YES YES YES YES
Loca 1. 2. 3. Tr	ABLE 4  Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES	Signs YES NO YES NO YES NO YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES NO	N/A N/A N/A N/A YES	Locked N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES YES YES	Tamper Operational YES YES YES YES YES
Loca 1. 2. 3. T	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION)	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES NO YES	N/A N/A N/A N/A YES N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES YES YES YES	Tamper Operational YES YES YES YES YES YES
1. 2. 3. T. Qty 2 2 2 2 4 111	BACKFLO BYPASS ( PUMP (OS JOCKEY (B ELEVATO SECTIONA	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES	Open YES	Secured YES YES YES YES NO YES YES NO YES YES	N/A N/A N/A N/A YES N/A N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES
1. 2. 3. T. Qty 2 2 2 2 4 111	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION)	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES NO YES	N/A N/A N/A N/A YES N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES YES YES YES	Tamper Operationa YES YES YES YES YES YES
Loca 1. 2. 3. T. Qty 2 2 2 2 2 4 11	ABLE 4  Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION) TEST HEAD	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES NO	Open YES	Secured YES YES YES YES NO YES YES YES YES YES YES	N/A N/A N/A N/A YES N/A N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES
Loca 1. 2. 3. T Qty 2 2 2 2 2 4 11 1	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION), SECTION), TEST HEAD	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES NO HECK VALV	Open YES	Secured YES YES YES YES NO YES YES YES YES YES YES YES	N/A N/A N/A N/A YES N/A N/A N/A	Locked N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES N/A
Loca 1. 2. 3. T. Qty 2 2 2 2 2 4 11 1	BACKFLO BYPASS ( PUMP (OS JOCKEY (B) ELEVATO SECTION, SECTION, TEST HEAD	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES NO HECK VALV	Open YES	Secured YES YES YES YES NO YES YES YES YES YES YES YES YES	N/A N/A N/A N/A YES N/A N/A N/A N/A N/A	Locked N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES N/A
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION), TEST HEAD PUR BACKFLO	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES NO HECK VALV MODEL 2000SS	Open YES YES YES YES YES YES YES YES YES N/C YE INFORMA SIZE 8"	Secured YES YES YES YES NO YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A YES N/A N/A N/A LAST INSPE	Locked N/A	Supervised YES	Tamper Operational YES YES YES YES YES YES YES ATION ENT WEST
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1 No. 1.	ABLE 4  Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION), TEST HEAD BACKFLO BYPASS	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES NO HECK VALV MODEL 2000SS G-1	Open YES YES YES YES YES YES YES YES SIZE 8" 8"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A LAST INSPI	Locked N/A	Supervised YES	Tamper Operational YES YES YES YES YES YES YES ATION ENT WEST ROOM
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1. No. 1. 2.	BACKFLO SECTIONA TEST HEAD  ABLE 5 PUR BACKFLO BYPASS PUMP	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES NO HECK VALV MODEL 2000SS G-1 G-1	Open YES YES YES YES YES YES YES YES YES SIZE 8" 8"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A N/A 2010 2010 2010	Locked   N/A   N	Supervised YES	Tamper Operational YES YES YES YES YES YES YES YES N/A ATION ENT WEST ROOM ROOM
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1 No. 1. 2. 3.	Type of BACKFLO BYPASS (PUMP (OS SECTION), SECTION), TEST HEAD BACKFLO BYPASS PUMP FDC	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES NO HECK VALV MODEL 2000SS G-1 G-1 G-1	Open YES	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A N/A YES N/A N/A N/A N/A 2010 2010 2010	Locked   N/A   N	Supervised YES	Tamper Operational YES YES YES YES YES YES YES ATION ENT WEST ROOM ROOM ENT WEST
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1. No. 1. 2.	BACKFLO SECTIONA TEST HEAD  ABLE 5 PUR BACKFLO BYPASS PUMP	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES NO HECK VALV MODEL 2000SS G-1 G-1	Open YES YES YES YES YES YES YES YES YES SIZE 8" 8"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A N/A 2010 2010 2010	Locked   N/A   N	Supervised YES	Tamper Operational YES YES YES YES YES YES YES YES N/A  ATION ENT WEST ROOM ROOM ENT WEST ROOM



	(	ON / OFF PRE	EMISES MONI	TORING			
TYPE	YES	NO	TIME		COMME	ENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
	NOTIFI	CATIONS TH	IAT TESTING	S COMPLETE			
TYPE	YES			WHO		•	ГІМЕ
BUILDING OCCUPANTS	X	ORLANDIS				2:	30PM
BUILDING MANAGEMENT	X	DAVID KUI				2:	30PM
MONITORING ENTITY	X	CAMPUS S	ECURITY			2:	30PM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
THIS TESTING WA	AS PERFOR	MED IN ACC	ORDANCE WI	TH APPLICABLE N	FPA STAND	ARDS	
INSPE	CTOR'S	COMMEN	TS AND R	ECOMMENDA <sup>T</sup>	TIONS		
AREAS UNDER CONSTRUCTION BSMT NO ALL SIGNALS RECEIVED AND RESET	RTH AND EA	ST COMMON A	AREA				
SYSTEM RESTORED TO NORMAL OP	EDATION		T				
	ERATION		DATE	5/18/1	2	TIME	2:30PM
NAME OF INSPECTOR	ERATION		DATE  JASON JOHN	1	2	TIME	2:30PM
	ERATION			1	2	TIME	2:30PM
INSPECTOR'S SIGNATURE			JASON JOHN	ISTON	2	ТІМЕ	2:30PM
INSPECTOR'S SIGNATURE		:		ISTON	2	ТІМЕ	2:30PM
NSPECTOR'S SIGNATURE	SENTATIVE		JASON JOHN	ISTON	2	ТІМЕ	2:30PM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE SIGNATURE OF PROPERTY OWNER/REPRE Is system code compliant with occ	SENTATIVE	ATIVE	JASON JOHN	NER  Yes or No	YES	TIME	2:30PM
INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F  Is system code compliant with occ  Have the noted deficiencies/violati	SENTATIVE REPRESENT cupancy & sons been c	Stored comported?	JASON JOHN DAVID KUFF	NER  Yes or No Yes or No	YES NO	TIME	2:30PM
NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/REPRE  Is system code compliant with occ	SENTATIVE REPRESENT cupancy & sons been c	Stored comported?	JASON JOHN DAVID KUFF	NER  Yes or No	YES	TIME	2:30PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

DATE:	5/17/12				7646 S. S	Sprinkle Rd	., Portage M	ı '
ARRIVAL TIME:	7:00 AM			X	1633 S. 0	Champagne	Dr, Sagina	w MI
WORK ORDER NUMBER:	243699			<u> </u>			ite A-9, Wixo . Suite F, He	
WORK ORDER NOWIDER.	240000				1030 AID	or recirion	. Suite F, He	DIOII KT
SERVICE ORGANIZATION (	CORPORA	ATE)		]	PROPERT	YNAME		
Vanguard Fire & Security					Name:	CHEMIST	RY - 007	
2101 Martindale Ave. SW					Address:	5101 CAS	S	
Grand Rapids, MI 49509					DETROIT,	MI 48202		
<u>.</u>				_	(TIED INTO	O SCIENCE	& ENG. LIE	BRARY
Technician:	J. JOHNS	TON / TRO	Y TYLER		Owner Cor	ntact:	DAVID KUI	FNER
MARK FISK					Telephone	:	(313) 268-2	2371
Telephone:	800-444-8				Approving	Agency:	, ,	FIRE DEPT.
						<u> </u>		
			PRIOR TO AN		•			
NOTIFICATIONS		YES	PHONE N	NUMBER		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	(313) 26	88-2371	DAVID KUF			7:00 AM
MONITORING ENTITY		X			CAMPUS S	ECURITY		7:00 AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS							
		FIRE DUM	P & JOCKEY	DI IMP INFOR	MATION			
		T IIXL F OWI	FIRE PUM		IVIATION			
MANUFACTURER	A-C FIR	E PUMP SY	STEMS ITT	RATE GPM			1000	
MODEL		IN-LINE		RATE PSI			100	
SERIAL NUMBER	05-04	3020-01-01	/ QK9140	PSI @ 150%	, 0		87	
TYPE		7C831-158		MAX PRES			101.1	
RATED RPM		3550		AUTO STAF			150	
IMPELLER SIZE		8.98		SATISFIED	PSI		187	
HORSE POWER		100		AUTO STOR	)		YES	
WATER SUPPLY		CITY		RUN TIMER			10 MIN	
			FIRE PUMP	DRIVER				
MANUFACTURER		EMERSO	N	FRAME	365JP	RATED RP	M	3550
MODEL		AD39A		VOLTAGE	460	HZ		60
SERIAL NUMBER	J06-	20021578-1		AMP	116	HORSE PO		100
TYPE		ELECTRI	C	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP				
MANUFACTURER	METRON	HORSE POWER RATING	3		100
MODEL	MP300-100-480C	VOLTAGE			480
SERIAL NUMBER	MA-05N19109-11	AMP RMS		10	0,000
		UMP DATA			
MANUFACTURER	GRUNDFOS	INLET/OUTLET SIZE			1¼"
MODEL	CR-1-10	START PRESSURE (ON			154
SERIAL NUMBER	HK-05N19109-21	STOP PRESSURE (OFF	)		165
HORSE POWER	1	VOLTAGE			480
5.051.0755.45		RMS PROVIDED			
DISPLAYED AT	PANEL	PHASE REVERSAL			YES
PUMP RUNNING	YES	PUMP ROOM LOW TEM	Р		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
	FIDE DUMP T	TOT DEPORT			
Inspection of Pump	FIRE PUMP I	EST REPORT	YES	NO	N/A
System found in service?			X	NO	IN/A
System round in service:     Eire pump controller in automatic service?			X		
3. Jockey pump controller in service on auto?	)		X		
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			Χ		
8. Ventilating louvers free to operate?					Х
9. Suction, discharge and bypass valves ope	n?		X		
10. Piping, valves and fittings free from leaks	?		X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exercis	ed?		Χ		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
2. Controller selector switch in auto position?					X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph paper	present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function լ	oroperly?				X



perly aligned? function properly? tory condition? ration and all valves normal?		X X X X X X X X X X X X X X X X X X X	X	X X
perly aligned? function properly? tory condition? ration and all valves normal?		X X X X X X X	X	
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ration and all valves normal?			Ī	X
				X
		Х		
		X		
			Х	
	,			-
LOW INSPECTION REPORT	Γ			
CHURN	100% I	FLOW	150	% FLOW
3564	354	41		3535
479 479 477	481 47	3 473		473 476
85 82 87				114 113
100				
48	4	5		35
187				142
139		_		107
0				
NA	50	)3		750
				750
		-		
	100	06		1500
				150%
	101			100 /0
	CHURN  3564  479 479 477  85 82 87  100  48  187  139  0  NA  NA  NA  NA  NA  NA  NA  O	CHURN   100%   3564   3564   479 479 477   481 47   85 82 87   110 11   110	X	X   X   X   X   X   X   X   X   X   X



TVDE		T					
TYPE BATTERY CONDITION		V	ISUAL	FUNCTIO	NAL	COMME	NTS
BATTERY CONDITION			N/A				
VOLTAGE							
BATTERY SIZE							
CHARGER VOLTAGE							
	1	1	1	EQUIPMENT:ON/	OFF MONITORING		
TYPE	YES	NO	TIME		COMMEN	118	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL							
SUPERVISORY SIGNAL SUPERVISORY RESTORAL	X						
SUPERVISORY RESTORAL	^						
		NOTIFICA	TIONS THAT	TESTING IS CO	MDI ETE		
TYPE		YES	TONS THAT	WHO	***		TIME
BUILDING OCCUPANTS		11.5	1	**110			. IIVIL
BUILDING MANAGEMENT		X	DAVID KUF	FNFR			3:30 PM
MONITORING ENTITY		X	CAMPUS S				3:30 PM
2ND MONITORING ENTITY			37 11711 00 01				0.001111
AHJ (NOTIFIED) OF ANY IMPA	IRMENTS						
						·	
THIS TESTI	NG WAS PI	ERFORME	D IN ACCORI	DANCE WITH AP	PLICABLE NFPA STA	ANDARDS	
II					PLICABLE NFPA STA		
II							
II	NSPECTO	OR'S CO					
BUILDING UNDER REMODEL CHANGED (3) GAUGES OLDER	NSPECTO	OR'S CO	OMMENTS				
BUILDING UNDER REMODEL	NSPECTO	OR'S CO	OMMENTS				
BUILDING UNDER REMODEL CHANGED (3) GAUGES OLDER	NSPECTO	OR'S CO	OMMENTS				
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BUILDING UNDER REMODEL  CHANGED (3) GAUGES OLDER  TRANSFER SWITCH NOT TES	R THEN 5 Y	OR'S CO	OMMENTS				3:30 PM
BUILDING UNDER REMODEL  CHANGED (3) GAUGES OLDER  TRANSFER SWITCH NOT TES  SYSTEM RESTORED TO NORI	R THEN 5 Y	OR'S CO	OMMENTS	DATE	MMENDATIONS 5/17/12		3:30 PM
BUILDING UNDER REMODEL  CHANGED (3) GAUGES OLDER  TRANSFER SWITCH NOT TES  SYSTEM RESTORED TO NORI	R THEN 5 Y	OR'S CO	OMMENTS	AND RECO	MMENDATIONS 5/17/12		3:30 PM
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BUILDING UNDER REMODEL  CHANGED (3) GAUGES OLDER  TRANSFER SWITCH NOT TES  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESER	NSPECTOR THEN 5 YOUR TED DUE TO	EARS O REMOD	DMMENTS	DATE  J. JOHNSTON	MMENDATIONS  5/17/12		3:30 PM
BUILDING UNDER REMODEL  CHANGED (3) GAUGES OLDER  TRANSFER SWITCH NOT TES  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESER	NSPECTOR THEN 5 YOUR TED DUE TO	EARS O REMOD	DMMENTS	DATE  J. JOHNSTON	MMENDATIONS  5/17/12		3:30 PM
BUILDING UNDER REMODEL CHANGED (3) GAUGES OLDER TRANSFER SWITCH NOT TES  SYSTEM RESTORED TO NORI NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESENTED SIGNATURE OF PROPERTY O	NSPECTOR THEN 5 YOUR THEN 5 YO	EARS O REMOD	DMMENTS	DATE  J. JOHNSTON  DAVID KUFFN	5/17/12	TIME	3:30 PM
BUILDING UNDER REMODEL  CHANGED (3) GAUGES OLDER  TRANSFER SWITCH NOT TES  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESER  SIGNATURE OF PROPERTY O	NSPECTOR THEN 5 YOUR THEN 5 YO	EARS O REMOD  ATION  PRESENTA  ancy & st	EL STIVE	DATE  J. JOHNSTON  DAVID KUFFN	5/17/12  IER  Yes or No	TIME	3:30 PM
BUILDING UNDER REMODEL  CHANGED (3) GAUGES OLDER TRANSFER SWITCH NOT TES  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESER  SIGNATURE OF PROPERTY O  Is system code compliant we have the noted deficiencies	NSPECTOR THEN 5 YOUR THEN 5 YO	EARS O REMOD  ATION  PRESENTA  ancy & st s been co	TIVE	DATE  J. JOHNSTON  DAVID KUFFN  odity?	5/17/12  IER  Yes or No Yes or No	TIME YES NO	3:30 PM
BUILDING UNDER REMODEL  CHANGED (3) GAUGES OLDER  TRANSFER SWITCH NOT TES  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESER  SIGNATURE OF PROPERTY O	NSPECTOR THEN 5 YOUR THEN 5 YOUR THEN 5 YOUR THEN 5 YOUR THEN THEN 5 YOUR THEN THEN THEN THEN THEN THEN THEN THEN	EARS O REMOD  ATION  PRESENTA  ancy & st s been co	TIVE	DATE  J. JOHNSTON  DAVID KUFFN  odity?	5/17/12  IER  Yes or No	TIME YES NO	3:30 PM

**DIESEL BATTERY INSPECTION** 



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA  Vanguard Fire & Secur 2101 Martindale Ave. \$	rity			PROPER Name:	764 163 282 105	of Martindale Ave 16 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr. NAME SCIENCE LIBRA	., Portage M e Dr, Saginav ite A-9, Wixo Suite F, He	I w MI om MI	
Grand Rapids, MI 4950	09			DETROI	T, M	I 48202			
			_	(TIED IN	то я	SCIENCE AND E	NG. LIBRAR	Y & CHEM	BLDG)
Technician:	JASON JOH	INSTON		Owner C	onta	ct:	DAVID KUF	FNER/MAF	RK C.
TROY TYLER				Telephor	ne:		(313) 268-2	371	
Telephone:	800-444-871	9		Approvin	ıg Ag	jency:	DETROIT F	IRE DEPA	RTMENT
			PRIOR TO	) ANY TE	STI	NG.			
NOTIFICATIONS		YES		NUMBER		i i	WHO		TIME
BUILDING OCCUPANTS	3		586-2	91-4654		ORLANDIS			6:30AM
BUILDING MANAGEMEN	TV	X	(313)	268-2371		DAVID KUFFNER			6:30AM
MONITORING ENTITY		X				<b>CAMPUS SECUR</b>	ITY		6:30AM
2ND MONITORING ENT	ITY								
AHJ (NOTIFIED) OF IMP	PAIRMENTS								
			SYSTEM	INFORMA	ATIO	N			1
GENERAL INFORMATION	. /						YES	NO	N/A
Is the building occ		t?						X	
2. Is the building fully			41 1 43					X	
3. System(s) in servi					?		X		ļ
4. Spare heads and					ilos i	n nlagg?	X		
5. Stock/Storage a n							X	V	
6. Are all gauges in			oration, and	snowing	norm	iai pressures?	X	X	
<ol><li>7. Wet system areas</li></ol>	s are adequately	neated?					X		



ΔΙΛ	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	IVA
	Main control valves in good condition and identified?	^	X	
	Are control valves secure?		^	
	Are all control valves accessible & free from external leaks?	X		
		X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
		1 11-0		1
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
3.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			Х
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?		X	^
		V	^	
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
6.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
	PM INFORMATION (AI)	VEC	NO	NI/A
	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X		
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?	+		X
	All dry valves have been trip tested & OK (See Table 3)			X
	Dry pipe valves are in heated area?			X
				X
	Was customer informed that they need to drain all drum drips on a monthly basis?			



T	ABLE 1		AN	TI-FREEZE I	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A	•							
T	ABLE 2		M	AIN DRAIN 1	ΓEST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	16	8		N/A				
	2.									
	3.									
	4.									
	5.									
T.	ABLE 3		DR	Y SYSTEM	TEST	1 a '				T
	Valve		(5. )/ :	<b>.</b>		Starting Air	04 - 41 - 124 -	_	Trip Air	T T'
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	N/A									
2.										
2										
•	otion of D	rum Drain						Tootod2	Voc	No
Loca	l ation of D	rum Drain	S					Tested?	Yes	No
1.	ation of D	rum Drain	s					Tested?	Yes	No
Loca 1. 2.	ation of D	rum Drain	s					Tested?	Yes	No
Loca 1.	ation of D	rum Drains	s					Tested?	Yes	No
Loca 1. 2. 3.	ation of D	rum Drain:		_ VALVE INF	FORMATION	ı		Tested?	Yes	No
Loca 1. 2. 3.		rum Drain:		_ VALVE INF	FORMATION			Tested?	Yes	No
Loca 1. 2. 3.	ABLE 4			_ VALVE INF	FORMATION			Tested?		Tamper
1. 2. 3.	ABLE 4	of Valve	CONTROL	Signs	Open	Secured	Sealed	Locked	Supervised	Tamper Operationa
Loca 1. 2. 3. T	ABLE 4  Type of BACKFLO	of Valve W (OS&Y)	CONTROI Accessible YES	Signs YES	Open YES	Secured YES	N/A	Locked N/A	Supervised YES	Tamper Operationa YES
Loca 1. 2. 3. Tr	Type of BACKFLO BYPASS (	of Valve W (OS&Y) BFLY)	CONTROL Accessible YES YES	Signs YES NO	Open YES YES	Secured YES YES	N/A N/A	Locked N/A N/A	Supervised YES YES	Tamper Operationa YES YES
Loca 1. 2. 3. Tr	Type of BACKFLO BYPASS (PUMP (OS	of Valve W (OS&Y) BFLY) S&Y)	CONTROL  Accessible  YES  YES  YES	Signs YES NO YES	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	Locked N/A N/A N/A	Supervised YES YES YES	Tamper Operationa YES YES YES
Loca 1. 2. 3. Tr	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (B	of Valve W (OS&Y) BFLY) S&Y)	CONTROL  Accessible  YES  YES  YES  YES  YES	Signs YES NO YES NO	Open YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	Locked N/A N/A N/A N/A	Supervised YES YES YES YES YES	Tamper Operationa YES YES YES YES
Loca 1. 2. 3. Tr	ABLE 4  Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES	Signs YES NO YES NO YES NO YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES NO	N/A N/A N/A N/A YES	Locked N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES YES YES	Tamper Operationa YES YES YES YES YES
Loca 1. 2. 3. T. Qty 2 2 2 2 2 4	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION)	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES NO YES	N/A N/A N/A N/A YES N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES YES YES YES	Tamper Operationa YES YES YES YES YES YES
1. 2. 3. T. Qty 2 2 2 2 4 111	BACKFLO BYPASS ( PUMP (OS JOCKEY (B ELEVATO SECTIONA	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES	Open YES	Secured YES YES YES YES NO YES YES NO YES YES	N/A N/A N/A N/A YES N/A N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES
1. 2. 3. T. Qty 2 2 2 2 4 111	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION)	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES NO YES	N/A N/A N/A N/A YES N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES YES YES YES	Tamper Operationa YES YES YES YES YES YES
Loca 1. 2. 3. T. Qty 2 2 2 2 2 4 11	ABLE 4  Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION) TEST HEAD	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES NO	Open YES	Secured YES YES YES YES NO YES YES YES YES YES YES	N/A N/A N/A N/A YES N/A N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES
Loca 1. 2. 3. T. Qty 2 2 2 2 2 4 11 1	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION), SECTION), TEST HEAD	of Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES NO HECK VALV	Open YES	Secured YES YES YES YES NO YES YES YES YES YES YES YES	N/A N/A N/A N/A YES N/A N/A N/A	Locked N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES N/A
Loca 1. 2. 3. T. Qty 2 2 2 2 2 4 11 1	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION), SECTION, TEST HEAD	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES NO HECK VALV	Open YES	Secured YES YES YES YES NO YES YES YES YES YES YES YES YES	N/A N/A N/A N/A YES N/A N/A N/A N/A N/A	Locked N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES N/A
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1 No.	Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION), TEST HEAD PUR BACKFLO	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES NO HECK VALV MODEL 2000SS	Open YES YES YES YES YES YES YES YES YES SIZE 8"	Secured YES YES YES YES NO YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A YES N/A N/A N/A LAST INSPE	Locked N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES ATION ENT WEST
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1 No. 1.	ABLE 4  Type of BACKFLO BYPASS (PUMP (OS JOCKEY (BELEVATO SECTION), TEST HEAD BACKFLO BYPASS	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES NO HECK VALV MODEL 2000SS G-1	Open YES YES YES YES YES YES YES YES SIZE 8" 8"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A LAST INSPI	Locked N/A	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES ATION ENT WEST ROOM
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1. No. 1. 2.	BACKFLO SECTIONA TEST HEAD  ABLE 5 PUR BACKFLO BYPASS PUMP	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES NO HECK VALV MODEL 2000SS G-1 G-1	Open YES YES YES YES YES YES YES YES YES SIZE 8" 8"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A N/A 2010 2010 2010	Locked   N/A   N	Supervised YES	Tamper Operationa YES YES YES YES YES YES YES N/A
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1 No. 1. 2. 3.	Type of BACKFLO BYPASS (PUMP (OS SECTION), SECTION), TEST HEAD BACKFLO BYPASS PUMP FDC	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES NO HECK VALV MODEL 2000SS G-1 G-1 G-1	Open YES YES YES YES YES YES YES YES YES SIZE 8" 8" 8" 4"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A N/A YES N/A N/A N/A N/A 2010 2010 2010	Locked   N/A   N	Supervised YES	Tamper Operational YES YES YES YES YES YES YES YES ATION ENT WEST ROOM ROOM ENT WEST
Loca 1. 2. 3. T. Qty 2 2 2 2 4 11 1. No. 1. 2.	BACKFLO SECTIONA TEST HEAD  ABLE 5 PUR BACKFLO BYPASS PUMP	Df Valve W (OS&Y) BFLY) S&Y) BALL) R (BBALL) AL (OS&Y) AL (BFLY) DER (BFLY) POSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES NO YES NO YES YES YES YES NO HECK VALV MODEL 2000SS G-1 G-1	Open YES YES YES YES YES YES YES YES YES SIZE 8" 8"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A N/A 2010 2010 2010	Locked   N/A   N	Supervised YES	Tamper Operational YES YES YES YES YES YES YES N/A  ATION ENT WEST ROOM ROOM ENT WEST ROOM



	(	ON / OFF PRE	EMISES MONI	TORING			
TYPE	YES	NO	TIME		COMME	ENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
	NOTIFI	CATIONS TH	IAT TESTING	S COMPLETE			
TYPE	YES			WHO		•	ГІМЕ
BUILDING OCCUPANTS	X	ORLANDIS	1			2:	30PM
BUILDING MANAGEMENT	X	DAVID KUI				2:	30PM
MONITORING ENTITY	X	CAMPUS S	ECURITY			2:	30PM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
THIS TESTING WA	AS PERFOR	MED IN ACC	ORDANCE WI	TH APPLICABLE N	FPA STAND	ARDS	
INSPE	CTOR'S	COMMEN	TS AND R	ECOMMENDA <sup>T</sup>	TIONS		
AREAS UNDER CONSTRUCTION BSMT NO ALL SIGNALS RECEIVED AND RESET	RTH AND EA	ST COMMON A	AREA				
SYSTEM RESTORED TO NORMAL OP	EDATION		T				
	ERATION		DATE	5/18/1	2	TIME	2:30PM
NAME OF INSPECTOR	ERATION		DATE  JASON JOHN	1	2	TIME	2:30PM
	ERATION			1	2	TIME	2:30PM
INSPECTOR'S SIGNATURE			JASON JOHN	ISTON	2	ТІМЕ	2:30PM
INSPECTOR'S SIGNATURE		:		ISTON	2	ТІМЕ	2:30PM
NSPECTOR'S SIGNATURE	SENTATIVE		JASON JOHN	ISTON	2	ТІМЕ	2:30PM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE SIGNATURE OF PROPERTY OWNER/REPRE Is system code compliant with occ	SENTATIVE	ATIVE	JASON JOHN	NER  Yes or No	YES	TIME	2:30PM
INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F  Is system code compliant with occ  Have the noted deficiencies/violati	SENTATIVE REPRESENT cupancy & sons been c	Stored comported?	JASON JOHN DAVID KUFF	NER  Yes or No Yes or No	YES NO	TIME	2:30PM
NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/REPRE  Is system code compliant with occ	SENTATIVE REPRESENT cupancy & sons been c	Stored comported?	JASON JOHN DAVID KUFF	NER  Yes or No	YES	TIME	2:30PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	5/21/2012 7:00PM 243700			X	7640 1633 2823	1 Martindale Ave 6 S. Sprinkle Rd 3 S. Champagne 21 Beck Rd., Su 0 Arbor Tech Dr.	., Portage M e Dr, Saginav ite A-9, Wixo	l w MI om MI	
SERVICE ORGANIZA	ATION (CORPOR	RATE)		PROPER	TY N	NAME			
Vanguard Fire & Secu	urity			Name:		WAYNE STATE	- PRENTIS	- 022	
2101 Martindale Ave.	SW			Address:		5201 CASS			
2101 Martinuale Ave.	SVV								
Grand Rapids, MI 495	509			DETROIT	, MI	48202			
echnician: JASON JOHNSTON			Owner Co	ontac	ot:	AL / DAVID I	KUFFNER		
TROY TYLER			Telephon	e:		(248) 930-4	393		
Telephone: 800-444-8719		Approving Agency:		DETROIT FIRE DEPARTMENT		RTMENT			
тоюрноно:	1000 111 011			Approving	<i>y</i> 799	crioy.			
Тогорионо.			PRIOR TO						
NOTIFICATIONS		YES	PRIOR TO		STIN		WHO		TIME
NOTIFICATIONS BUILDING OCCUPANTS	S	YES	PRIOR TO	ANY TE	STIN	IG	WHO		TIME
NOTIFICATIONS BUILDING OCCUPANTS BUILDING MANAGEME	S	YES	PRIOR TO	ANY TE	STIN	IG AL / DAVID KUFF	WHO		7:00AM
NOTIFICATIONS BUILDING OCCUPANT BUILDING MANAGEME MONITORING ENTITY	S ENT	YES	PRIOR TO	ANY TE	STIN	IG	WHO		TIME
NOTIFICATIONS BUILDING OCCUPANT BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT	S ENT	YES	PRIOR TO	ANY TE	STIN	IG AL / DAVID KUFF	WHO		7:00AM
NOTIFICATIONS BUILDING OCCUPANT BUILDING MANAGEME MONITORING ENTITY	S ENT	YES	PRIOR TO	ANY TE	STIN	IG AL / DAVID KUFF	WHO		7:00AM
NOTIFICATIONS BUILDING OCCUPANT BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT	S ENT	YES	PRIOR TO PHONE (248) S	DANY TE NUMBERS 930-4393	STIN	AL / DAVID KUFF CAMPUS SECUR	WHO		7:00AM
NOTIFICATIONS BUILDING OCCUPANT BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT AHJ (NOTIFIED) OF IMI	ENT TITY PAIRMENTS	YES	PRIOR TO PHONE (248) S	ANY TE	STIN	AL / DAVID KUFF CAMPUS SECUR	WHO	NO	7:00AM
NOTIFICATIONS BUILDING OCCUPANT BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT	S ENT TITY PAIRMENTS ION (GI)	YES  X X	PRIOR TO PHONE (248) S	DANY TE NUMBERS 930-4393	STIN	AL / DAVID KUFF CAMPUS SECUR	WHO NER		7:00AM 7:00AM
NOTIFICATIONS BUILDING OCCUPANTS BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT AHJ (NOTIFIED) OF IMI  GENERAL INFORMATI 1. Is the building oc 2. Is the building ful	TITY PAIRMENTS  ION (GI) ccupied as in past	YES  X X	PRIOR TO PHONE (248) 9	DANY TEST NUMBERS 930-4393	STIN	AL / DAVID KUFF CAMPUS SECUR	WHO ENER EITY  YES X		7:00AM 7:00AM
NOTIFICATIONS BUILDING OCCUPANTS BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT AHJ (NOTIFIED) OF IMI  GENERAL INFORMATI  1. Is the building occ 2. Is the building full 3. System(s) in serv	TITY PAIRMENTS  ION (GI) ccupied as in past lly sprinkled? vice without modi	YES  X X fication sin	PRIOR TO PHONE  (248) 9  SYSTEM	DANY TENUMBERS  930-4393  INFORMA	STIN	AL / DAVID KUFF CAMPUS SECUR	WHO ENER EITY  YES  X	NO	7:00AM 7:00AM
NOTIFICATIONS BUILDING OCCUPANT: BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT AHJ (NOTIFIED) OF IMI  GENERAL INFORMATI  1. Is the building oc 2. Is the building ful 3. System(s) in serv 4. Spare heads and	TITY PAIRMENTS  ON (GI) ccupied as in past lly sprinkled? vice without modi d head box with w	YES  X  X  fication sin	PRIOR TO PHONE  (248) S  SYSTEM  ce the last in urely mounted	DANY TENUMBERS  930-4393  INFORMA  Inspection?	STINN TION	AL / DAVID KUFF CAMPUS SECUR	WHO  NER  NER  X  X  X	NO	7:00AM 7:00AM
NOTIFICATIONS BUILDING OCCUPANTS BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT AHJ (NOTIFIED) OF IMI  GENERAL INFORMATI  1. Is the building occ 2. Is the building full 3. System(s) in serv 4. Spare heads and 5. Stock/Storage a	TITY PAIRMENTS  ON (GI) ccupied as in past lly sprinkled? vice without modi d head box with w minimum of 18" b	YES  X X  fication sin rench secupelow sprin	PRIOR TO PHONE (248) 9 SYSTEM  ce the last in urely mounte kler heads 8	DANY TEST NUMBERS  930-4393  INFORMA  Inspection?  ed?  k ceiling til	STIN TION es in	AL / DAVID KUFF CAMPUS SECUR	WHO  NER RITY  YES  X  X  X  X	NO	7:00AM 7:00AM
NOTIFICATIONS BUILDING OCCUPANT: BUILDING MANAGEME MONITORING ENTITY 2ND MONITORING ENT AHJ (NOTIFIED) OF IMI  GENERAL INFORMATI  1. Is the building oc 2. Is the building ful 3. System(s) in serv 4. Spare heads and	TITY PAIRMENTS  FON (GI) Ccupied as in past lly sprinkled? vice without modi d head box with w minimum of 18" b	YES  X X  fication sin vrench secuple oelow spring in 5-yr calib	PRIOR TO PHONE (248) 9 SYSTEM  ce the last in urely mounte kler heads 8	DANY TEST NUMBERS  930-4393  INFORMA  Inspection?  ed?  k ceiling til	STIN TION es in	AL / DAVID KUFF CAMPUS SECUR	WHO  NER  NER  X  X  X	NO	7:00AM 7:00AM



ΔΙΛ	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	14/7
	Main control valves in good condition and identified?	X		
	Are control valves secure?			
		X		
	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
		1		I
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
		V		^
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
6.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
	DM INICODMATION (AI)	VEO	NO	NI/A
	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X		
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?			X
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?	X		
	No leakage from retard chambers or alarm drains?	X		
	Was Inspector Test performed and results OK?	X		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			Х
	Pressure & priming water OK?			X
	Air supply in good working order?	1		X
	Were low points drained during fall & winter inspections?	1		X
	Are accelerator(s) in good condition?	+		X
	All dry valves have been trip tested & OK (See Table 3)	+		X
	Dry pipe valves are in heated area?	+		X
	DIY PIPE VAIVES AIR III IIRAIRU AIRA!			^
	Was customer informed that they need to drain all drum drips on a monthly basis?	1		X



T	ABLE 1	Τ	AN	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	f Backflow	Temp
		N/A						<u> </u>		
T	ABLE 2		M	AIN DRAIN 1	ΓEST					
R	iser No.	<b>Drain Size</b>	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2	50	)		42				
	2.									
	3.	ITV	LOCATED IN		WORK	ROOM 012				
	4.		PRESSURE	SWITCH						
T	ABLE 3	1	DR	Y SYSTEM	TEST				T =	
	Valve		6 D 1/21	F. P. S		Starting Air	Oranda a Mari	D	Trip Air	Tules Time
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A							+	
2. 3.		+							+	
	otion of D	<u> </u>						Tested?	Yes	No
1.		ruili Diaili	<u> </u>					resteur	162	NO
<u>1.</u> 2.								4		
<del>2.</del> 3.								-	<b></b>	
<del>3.</del> 4.								4	_	
								J		
Т	ABLE 4		CONTROI	VALVE INF	ORMATION	l				
		I								Tamper
Qty	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operationa
							Sealed YES	Locked N/A	Supervised N/A	
Qty	Туре		Accessible	Signs	Open	Secured				Operationa
Qty	Туре		Accessible	Signs	Open	Secured				Operationa
Qty	Туре		Accessible	Signs	Open	Secured				Operationa
Qty	Туре		Accessible	Signs	Open	Secured				Operationa
Qty	Туре		Accessible	Signs	Open	Secured				Operationa
Qty	Туре		Accessible	Signs	Open	Secured				Operationa
Qty 1	Type (	5&Y)	Accessible YES	Signs YES	Open YES	Secured NO				Operationa
Qty 1	Type MAIN (OS	8&Y)	Accessible YES  ACKFLOW/C	Signs YES	Open YES	Secured	YES	N/A	N/A	Operationa N/A
Qty 1	Type of MAIN (OS	BRPOSE	Accessible YES	Signs YES HECK VALV MODEL	Open YES ZE INFORMA	Secured NO NO ATION YEAR		N/A	N/A LOC	Operationa N/A
Qty 1 T No.	Type of MAIN (OS	BRPOSE	Accessible YES  ACKFLOW/C MFG KENNEDY	Signs YES HECK VALV MODEL UA	Open YES  ZE INFORMA SIZE 4"	Secured NO NO TION YEAR 1962	YES	N/A	LOC/ BASEMENT M	Operationa N/A
Qty 1 TNo. 1. 22.	ABLE 5 PUR MAIN (OS	BRPOSE 6&Y) HECK	Accessible YES  ACKFLOW/C MFG	Signs YES HECK VALV MODEL	Open YES  ZE INFORMA SIZE 4" 4"	Secured NO NO ATION YEAR	YES	N/A N/A	LOC/ BASEMENT M BASEMENT M	ATION ECH RM
T No. 1. 2. 3.	Type of MAIN (OS	BRPOSE 6&Y) HECK	ACKFLOW/C MFG KENNEDY AUTOMATIC	Signs YES  HECK VALV MODEL UA A-1	Open YES  ZE INFORMA SIZE 4"	Secured NO NO TON YEAR 1962 1962 1962	YES  LAST INSP	N/A N/A	LOC/ BASEMENT M BASEMENT M BASEMENT M	ATION ECH RM ECH RM
Qty 1	ABLE 5 PUR MAIN (OS ALARM C WATER G	BRPOSE 6&Y) HECK	Accessible YES  ACKFLOW/C MFG KENNEDY AUTOMATIC WARD	Signs YES  HECK VALV MODEL UA A-1 SWING	Open YES  ZE INFORMA SIZE 4" 4" 3/4"	Secured NO  ATION YEAR 1962 1962	YES  LAST INSP	N/A N/A	LOCA BASEMENT M BASEMENT M BASEMENT M BASEMENT M	ATION ECH RM ECH RM ECH RM
Qty 1 TNo. 1. 2. 3. 4.	ABLE 5 PUR MAIN (OS ALARM C WATER G	BRPOSE 6&Y) HECK	Accessible YES  ACKFLOW/C MFG KENNEDY AUTOMATIC WARD	Signs YES  HECK VALV MODEL UA A-1 SWING	Open YES  ZE INFORMA SIZE 4" 4" 3/4"	Secured NO NO TON YEAR 1962 1962 1962	YES  LAST INSP	N/A N/A	LOC/ BASEMENT M BASEMENT M BASEMENT M	ATION ECH RM ECH RM ECH RM
T T No. 1. 2. 3. 4. 5.	ABLE 5 PUR MAIN (OS ALARM C WATER G	BRPOSE 6&Y) HECK	Accessible YES  ACKFLOW/C MFG KENNEDY AUTOMATIC WARD	Signs YES  HECK VALV MODEL UA A-1 SWING	Open YES  ZE INFORMA SIZE 4" 4" 3/4"	Secured NO NO TON YEAR 1962 1962 1962	YES  LAST INSP	N/A N/A	LOCA BASEMENT M BASEMENT M BASEMENT M BASEMENT M	ATION ECH RM ECH RM ECH RM



	C	ON / OFF PRI	EMIDES MONII	ORING			
TYPE	YES	NO	TIME		COMMEN	NTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL							
TROUBLE RESTORAL							
SUPERVISORY SIGNAL							
SUPERVISORY RESTORAL							
	NOTIFI	CATIONS TH	IAT TESTING I	S COMPLETE			
TYPE	YES			WHO		•	ГІМЕ
BUILDING OCCUPANTS							
BUILDING MANAGEMENT	X	AL / DAVID	KUFFNER			9:	30AM
MONITORING ENTITY	X	CAMPUS S	SECURITY			9:	00AM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
THIS TESTING	WAS PERFOR	MED IN ACC	ORDANCE WIT	H APPLICABLE I	NFPA STANDA	ARDS	
INS	PECTOR'S	COMMEN	TS AND RE	COMMENDA	TIONS		
SYSTEM, ONLY ABLE TO OPEN WAT	ER GONG DRAIN AND WILL REQI	I CHECK VAL\	/E UTDOWN		4" TCIW OS&Y D	OIDN'T FULL	Y ISOLATE
SYSTEM, ONLY ABLE TO OPEN WAT MAIN 4" TCIW OS&Y NEEDS REPLACED APPROX (150) 165* PEN. SPRINKLER H WATER MOTOR GONG WORKS GOOD FOUND (2) PAINTED PENDANT SPRINK NOT 220V ALARM PANEL IN BASEMEN	ER GONG DRAIN  AND WILL REQUE  EADS ARE 50 YE  LERS IN BASEMI  MECHANICAL F	I CHECK VALV UIRE CITY SH EARS OLD AND	UTDOWN D ARE DUE FOR DM NORTH END RIC AREA	REPLACEMENT OF HALL			
SYSTEM, ONLY ABLE TO OPEN WAT MAIN 4" TCIW OS&Y NEEDS REPLACED APPROX (150) 165* PEN. SPRINKLER H WATER MOTOR GONG WORKS GOOD FOUND (2) PAINTED PENDANT SPRINK NOT 220V ALARM PANEL IN BASEMEN	ER GONG DRAIN  AND WILL REQUE  EADS ARE 50 YE  LERS IN BASEMI  MECHANICAL F	I CHECK VALV UIRE CITY SH EARS OLD AND	VE UTDOWN D ARE DUE FOR DM NORTH END	REPLACEMENT		TIME	9:30 AM
SYSTEM, ONLY ABLE TO OPEN WAT MAIN 4" TCIW OS&Y NEEDS REPLACED APPROX (150) 165* PEN. SPRINKLER H WATER MOTOR GONG WORKS GOOD FOUND (2) PAINTED PENDANT SPRINK NOT 220V ALARM PANEL IN BASEMENT SYSTEM RESTORED TO NORMAL	ER GONG DRAIN  AND WILL REQUE  EADS ARE 50 YE  LERS IN BASEMI  MECHANICAL F	I CHECK VALV UIRE CITY SH EARS OLD AND	UTDOWN D ARE DUE FOR DM NORTH END RIC AREA	REPLACEMENT  OF HALL  5/21/			
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SYSTEM, ONLY ABLE TO OPEN WAT MAIN 4" TCIW OS&Y NEEDS REPLACED APPROX (150) 165* PEN. SPRINKLER H WATER MOTOR GONG WORKS GOOD FOUND (2) PAINTED PENDANT SPRINK NOT 220V ALARM PANEL IN BASEMENT SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR	ER GONG DRAIN D AND WILL REQUE EADS ARE 50 YE GLERS IN BASEMI T MECHANICAL F  OPERATION	UIRE CITY SHEARS OLD AND	UTDOWN D ARE DUE FOR DM NORTH END RIC AREA DATE	REPLACEMENT  OF HALL  5/21/			
SYSTEM, ONLY ABLE TO OPEN WAT MAIN 4" TCIW OS&Y NEEDS REPLACED APPROX (150) 165* PEN. SPRINKLER H WATER MOTOR GONG WORKS GOOD FOUND (2) PAINTED PENDANT SPRINK NOT 220V ALARM PANEL IN BASEMENT  SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REF	ER GONG DRAIN D AND WILL REQUE EADS ARE 50 YE LERS IN BASEMI T MECHANICAL F OPERATION PRESENTATIVE	I CHECK VALVUIRE CITY SHEARS OLD AND ENT RESTROGROOM ELECTR	UTDOWN D ARE DUE FOR DM NORTH END RIC AREA DATE JASON JOHN	REPLACEMENT  OF HALL  5/21/			
SYSTEM, ONLY ABLE TO OPEN WAT MAIN 4" TCIW OS&Y NEEDS REPLACED APPROX (150) 165* PEN. SPRINKLER H WATER MOTOR GONG WORKS GOOD FOUND (2) PAINTED PENDANT SPRINK NOT 220V ALARM PANEL IN BASEMENT  SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REF	ER GONG DRAIN D AND WILL REQUE EADS ARE 50 YE LERS IN BASEMI T MECHANICAL F  OPERATION  PRESENTATIVE ER/REPRESENT	I CHECK VALVUIRE CITY SHEARS OLD AND ENT RESTROGROOM ELECTE	DATE  JASON JOHN  DAVID KUFFI	REPLACEMENT  OF HALL  5/21/  STON	12 1		
SYSTEM, ONLY ABLE TO OPEN WAT MAIN 4" TCIW OS&Y NEEDS REPLACED APPROX (150) 165* PEN. SPRINKLER H WATER MOTOR GONG WORKS GOOD FOUND (2) PAINTED PENDANT SPRINK NOT 220V ALARM PANEL IN BASEMENT SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REF SIGNATURE OF PROPERTY OWNE	ER GONG DRAIN D AND WILL REQUE EADS ARE 50 YE LERS IN BASEMI T MECHANICAL F  OPERATION  PRESENTATIVE ER/REPRESENT  OCCUPANCY & 9	ENT RESTROGROOM ELECTR	DATE  JASON JOHN  DAVID KUFFI	REPLACEMENT  OF HALL  5/21/  STON  NER  Yes or No	12 T		
SYSTEM, ONLY ABLE TO OPEN WAT MAIN 4" TCIW OS&Y NEEDS REPLACED APPROX (150) 165* PEN. SPRINKLER H WATER MOTOR GONG WORKS GOOD FOUND (2) PAINTED PENDANT SPRINK NOT 220V ALARM PANEL IN BASEMENT SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REF	ER GONG DRAIN D AND WILL REQUE EADS ARE 50 YE GLERS IN BASEMI T MECHANICAL F  OPERATION  PRESENTATIVE ER/REPRESENT DOCCUPANCY & S lations been c	ENT RESTROGROOM ELECTE  TATIVE  stored comeorrected?	DAVID KUFFI	REPLACEMENT  OF HALL  5/21/  STON	12 1		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZAT	,	ATE)	]	PROPERT	7646 1633 2822 1056		., Portage M b Dr, Sagina te A-9, Wixo Suite F, He	II w MI om MI ebron KY	
Vanguard Fire & Securi	ty			Name:		MORT HARRIS	RECREATI	ONAL & FII	NESS - 025
2101 Martindale Ave. S	W			Address:		5210 GULLEN N	<b>IALL</b>		
Grand Rapids, MI 4950	9			DETROIT,	, MI	48202			
			_						
echnician: JASON JOHNSTON		NSTON		Owner Co	ntac	ot:	DAN / DAVII	D KUFFNER	
TROY TYLER				Telephone	e:		(313) 684-0	0865	
Telephone:	800-444-8719	)		Approving	Age	ency:	DETROIT FIRE DEPARTMENT		
			PRIOR TO	O ANY TES	STIN	IG			
NOTIFICATIONS		YES	PHONE	NUMBERS			WHO		TIME
BUILDING OCCUPANTS									
BUILDING MANAGEMEN	T	X	(313)	684-0865	_	DAN / DAVID KUF			7:00 AM
MONITORING ENTITY	T)/	X				CAMPUS SECUR	ITY		7:00 AM
2ND MONITORING ENTI- AHJ (NOTIFIED) OF IMPA					_				
ALIS (NOTIFIED) OF IMP	AIRIVIENTS								
			SYSTEM	INFORMAT	ΓΙΟΝ				
GENERAL INFORMATIO	N (GI)						YES	NO	N/A
Is the building occu	upied as in past	?					X		
<ol><li>Is the building fully</li></ol>	sprinkled?						X		
<ol><li>System(s) in service</li></ol>							X		
<ol> <li>Spare heads and h</li> </ol>						·	X		
<ol><li>Stock/Storage a m</li></ol>							X		
<ol><li>Are all gauges in g</li></ol>	·		oration, and	showing no	orma	al pressures?	X		
7. Wet system areas	are adequately	heated?					X		



•			
VALVE INFORMATION	YES	NO	N/A
Are all main control valves open?	X	110	IVA
Main control valves in good condition and identified?	X		
Are control valves secure?	X		
Are all control valves accessible & free from external leaks?	X		
Are all control valves provided with the proper operators?	X		
6. All control valves operated through full range & returned to normal position?	X		
7. Valves lubricated?			X
7. Valvos labilidada.			
SPRINKLER & PIPING INFORMATION (SI)	YES	NO	N/A
Are all sprinkler heads unobstructed?		X	
2. Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
Are all sprinkler heads less than 50 years old?	X		
Are sprinkler heads of proper temperature rating?	X		
Are riser(s) in good condition & unobstructed?	X		
6. Hydraulic nameplate in place and OK?	X		
7. System ID securely attached & legible?	X		
Pipe in good condition, free of damage, obstructions, and leaks?	Х		
9. Are all hangers OK?	X		
10. Seismic bracing OK?			Х
11. Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
12. Are Relief Valves on gridded system OK?			X
13. Fire Department Connection (FDC) & Caps OK?		Х	
14. FDC equipped with ball drip? (if yes, in good working order?)	Х		
15. Was Main Drain Test performed? (See Table 2)	X		
16. Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ALARM INFORMATION (AI)	YES	NO	N/A
Was the local alarm tested & OK?	X		
2. Did Central Station receive Flow Alarm Test?	X		
B. Did Central Station receive Tamper Test?	X		
Are alarm devices free from physical damage & all electrical connections secure?	X		
5. Is alarm valve trim OK & set properly?			X
No leakage from retard chambers or alarm drains?			X
7. Was Inspector Test performed and results OK?	X		
DRY PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
. Dry pipe valves in service & in good external condition?			X
Pressure & priming water OK?			X
3. Air supply in good working order?			X
Were low points drained during fall & winter inspections?			X
5. Are accelerator(s) in good condition?			X
6. All dry valves have been trip tested & OK (See Table 3)			X
7. Dry pipe valves are in heated area?			X
8 Was customer informed that they need to drain all drum drips on a monthly basis?			X
, , , , , , , , , , , , , , , , , , , ,			



	· •									
T	ABLE 1		AN	TI-FREEZE I	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
	-	N/A						7,1		
T	ABLE 2		M	AIN DRAIN 1	ΓEST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2	13	5		125				
	2.									
	3.									
	4.									
		1								
Т	ABLE 3		DR	Y SYSTEM	TEST	Ctarting Air			Twin Air	1
No.	Valve Size	Location	f Dry Valve	Full or B	artial Trip	Starting Air Pressure	Starting Water	Proceuro	Trip Air Pressure	Trip Time
1.	OIZE	N/A	i Diy valve	i un oi Pe	aitiai IIIP	i lessure	Starting water	i icosuic	i ressure	THE THIE
<u>1.</u> 2.	<del> </del>	1 1/ / 1								
<del>2.</del> 3.										
	otion of D	rum Drains				1		Tested?	Yes	No
	ation of L									
Loc	ation of L									
Loca 1.	ation of L									
Loca 1. 2.	ation of L							-		
Loca 1. 2. 3.	ation of L							-		
Loca 1. 2. 3.	ation of L									
Loca 1. 2. 3. 4.	ABLE 4			L VALVE INF	FORMATION					
Loca 1. 2. 3. 4.				L VALVE INF	FORMATION					
Loca 1. 2. 3. 4.	ABLE 4		CONTROL				Socied	Looked	Supervised	Tamper
Loca 1. 2. 3. 4. T	ABLE 4	of Valve	CONTROL	Signs	Open	Secured	Sealed N//A	Locked	Supervised	Operationa
Loc: 1. 2. 3. 4. T	ABLE 4  Type MAIN (OS	of Valve	CONTROI  Accessible  YES	Signs NO	Open YES	Secured YES	N/A	N/A	YES	Operationa YES
Loc: 1. 2. 3. 4.  T  Qty 2 3	Type (MAIN (OSBYPASS)	of Valve	CONTROI  Accessible  YES  YES	Signs NO NO	Open YES YES	Secured YES YES	N/A N/A	N/A N/A	YES YES	Operationa YES YES
11. 22. 33. 44. T	Type MAIN (OS BYPASS PUMP (OS	of Valve &Y) (BFLY) S&Y)	CONTROI  Accessible  YES  YES  YES	Signs NO NO NO	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	N/A N/A N/A	YES YES YES	Operationa YES YES YES
Loc: 1. 2. 3. 4.  T  Qty 2 3	MAIN (OS BYPASS (PUMP (OS SECTION	of Valve &Y) (BFLY) S&Y) AL (BFLY)	CONTROI  Accessible  YES  YES  YES  YES	Signs NO NO NO NO	Open YES YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES	Operationa YES YES YES YES YES
T Qty 2 3 1 4 2	MAIN (OS BYPASS OF PUMP (OS SECTION ELEVATOR	of Valve &Y) (BFLY) S&Y) AL (BFLY)	CONTROI  Accessible  YES  YES  YES	Signs NO NO NO NO NO NO NO	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	N/A N/A N/A	YES YES YES	Operationa YES YES YES
1. 2. 3. 4. T	MAIN (OS BYPASS (PUMP (OS SECTION	of Valve (&Y) (BFLY) S&Y) AL (BFLY) R (BFLY) (OS&Y)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES	Signs NO NO NO NO	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	YES YES YES YES YES YES	Operationa YES YES YES YES YES YES YES
Loca 1. 2. 3. 4. T Qty 2 3 1 4 2 2	MAIN (OS BYPASS (PUMP (OS SECTION ELEVATOR JOCKEY (	of Valve (&Y) (BFLY) S&Y) AL (BFLY) R (BFLY) (OS&Y)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs NO NO NO NO NO NO YES	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES	Operationa YES YES YES YES YES YES YES YES YES
1. 2. 3. 4. T Qty 2 3 1 4 2 2 1	MAIN (OS BYPASS (PUMP (OS SECTION ELEVATOR JOCKEY (	of Valve (&Y) (BFLY) (S&Y) AL (BFLY) (OS&Y) AD (BFLY)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs NO YES N/A	Open YES YES YES YES YES YES YES N/A	Secured YES YES YES YES YES YES YES YES N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES	Operationa YES YES YES YES YES YES YES YES YES
Loc: 1. 2. 3. 4. T Qty 2 3 1 4 2 2 1	MAIN (OS BYPASS) PUMP (OS SECTION ELEVATOR JOCKEY) TEST HEA	of Valve (&Y) (BFLY) (S&Y) AL (BFLY) (OS&Y) AD (BFLY)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES  N/A	Signs NO YES N/A	Open YES YES YES YES YES YES YES N/A	Secured YES YES YES YES YES YES YES YES N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES N/A	Operationa YES YES YES YES YES YES YES YES
1. 2. 33. 44. T Qty 2 3 1 4 2 2 1 T No.	MAIN (OS BYPASS) PUMP (OS SECTION ELEVATOR JOCKEY) TEST HEA	of Valve (&Y) (BFLY) S&Y) AL (BFLY) (OS&Y) AD (BFLY)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C	Signs NO NO NO NO NO NO YES N/A	Open YES YES YES YES YES YES YES YES N/A	Secured YES YES YES YES YES YES YES YES N/A	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES N/A	Operationa YES YES YES YES YES YES YES ATION
T Qty 2 3 1 4 2 2 3 1 4 2 2 1 T No.	MAIN (OS BYPASS ( PUMP (OS SECTION ELEVATOR JOCKEY ( TEST HEA  ABLE 5 PUR MAIN	of Valve (&Y) (BFLY) S&Y) AL (BFLY) (OS&Y) AD (BFLY)	CONTROI  Accessible  YES  YES  YES  YES  YES  ACKFLOW/C  MFG	Signs NO NO NO NO NO YES N/A HECK VALV	Open YES YES YES YES YES YES YES N/A	Secured YES	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES N/A	YES YES YES YES YES YES YES YES ATION R ROOM
1. 2. 3. 4. T Qty 2 3 1 4 2 2 1 T No. 1. 22.	ABLE 4  Type 6  MAIN (OS  BYPASS 6  PUMP (OS  SECTION  ELEVATOR  JOCKEY 6  TEST HEA  ABLE 5  PUR  MAIN  DETECTO	of Valve (&Y) (BFLY) S&Y) AL (BFLY) (OS&Y) AD (BFLY)  BROSE	CONTROI  Accessible  YES  YES  YES  YES  YES  N/A  ACKFLOW/C  MFG  NIBCO	Signs NO NO NO NO NO YES N/A  HECK VALV MODEL KW900W	Open YES YES YES YES YES YES YES N/A YEINFORMA SIZE 8"	Secured YES YES YES YES YES YES YES YES N/A TION YEAR 1999	N/A N/A N/A N/A N/A N/A N/A LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A N/A O N/A O O O O O O O O O O O O O O O O O O O	YES YES YES YES YES YES YES N/A	YES YES YES YES YES YES YES YES ATION ER ROOM ER ROOM
T T Qty 2 3 1 4 2 2 1 T T No. 1. 2. 33. 44.	ABLE 4  Type 6  MAIN (OS  BYPASS 6  PUMP (OS  SECTION  ELEVATOR  JOCKEY 6  TEST HEA  ABLE 5  PUR  MAIN  DETECTO	of Valve (%Y) (BFLY) (BFLY) (BFLY) (OS&Y) (AD (BFLY)  BRPOSE  OR CHECK	CONTROI  Accessible  YES  YES  YES  YES  YES  N/A  ACKFLOW/C  MFG  NIBCO  AMES	Signs NO NO NO NO NO YES N/A  HECK VALV MODEL KW900W DCU	Open YES YES YES YES YES YES N/A  YEINFORMA SIZE 8" 8" 8" 34" 6"	Secured           YES           YES           YES           YES           YES           YES           N/A   TION  YEAR  1999 1999	N/A N/A N/A N/A N/A N/A N/A LAST INSP 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	YES YES YES YES YES YES N/A  LOCA WATER METE	YES YES YES YES YES YES YES YES YES ATION R ROOM R ROOM R ROOM
T V Qty 2 3 1 4 2 2 1 T No. 1. 22. 33. 44.	MAIN (OS BYPASS (PUMP (OS SECTION ELEVATOR JOCKEY (TEST HEAD MAIN DETECTO DETECTO	of Valve (%Y) (BFLY) (BFLY) (BFLY) (OS&Y) (AD (BFLY)  BRPOSE  OR CHECK	CONTROI  Accessible  YES  YES  YES  YES  YES  N/A  ACKFLOW/C  MFG  NIBCO  AMES  WDC	Signs NO NO NO NO NO YES N/A  HECK VALV MODEL KW900W DCU SWING	Open YES YES YES YES YES YES YES N/A  VE INFORMA SIZE 8" 8" 3/4"	Secured           YES           YES           YES           YES           YES           YES           N/A    TION  YEAR  1999  1999  1999	N/A N/A N/A N/A N/A N/A N/A N/A N/A 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A O N/A O O O O O O O O O O O O O O O O O O O	YES YES YES YES YES YES N/A  LOC WATER METE WATER METE	Operationa YES YES YES YES YES YES YES N/A  ATION R ROOM R ROOM R ROOM OOM
1. 2. 3. 4. T Qty 2 3 1 4 2 2 1 T No.	ABLE 4  Type  MAIN (OS BYPASS) PUMP (OS SECTION ELEVATOR JOCKEY ( TEST HE)  ABLE 5 PUR MAIN DETECTO PUMP	of Valve (%Y) (BFLY) (BFLY) (BFLY) (OS&Y) (AD (BFLY)  BRPOSE  OR CHECK	CONTROI  Accessible  YES  YES  YES  YES  YES  N/A  ACKFLOW/C  MFG  NIBCO  AMES  WDC  NIBCO	Signs NO NO NO NO NO YES N/A  HECK VALV MODEL KW900W DCU SWING KW900W	Open YES YES YES YES YES YES N/A  YEINFORMA SIZE 8" 8" 8" 34" 6"	Secured	N/A N/A N/A N/A N/A N/A N/A N/A N/A 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	YES YES YES YES YES YES N/A  LOC WATER METE WATER METE WATER METE FIRE PUMP R	Operational YES YES YES YES YES YES YES N/A  ATION ER ROOM ER ROOM OOM OOM



	C	N / OFF PRE	MISES MONI	ORING	
TYPE	YES	NO	TIME		COMMENTS
ALARM SIGNAL	X				
ALARM RESTORAL	X				
TROUBLE SIGNAL	X				
TROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	X				
SUPERVISORY RESTORAL	X				
	NOTIFI	CATIONS TH	AT TESTING I	S COMPLETE	
TYPE	YES			WHO	TIME
BUILDING OCCUPANTS					
DULL DINO MANAOEMENT	V	DANI / DAY /	D KLIEENED		0.00 DM

BUILDING MANAGEMENT	X	DAN / DAVID KUFFNER	3:30 PM
MONITORING ENTITY	X	CAMPUS SECURITY	3:30 PM
2ND MONITORING ENTITY			
AHJ (NOTIFIED) OF IMPAIRMENTS			
THIC TECTING WAS	O DEDEODIA	ED IN ACCORDANCE WITH ADDITIONS ENERA CTAND	ADDO

THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS

#### **INSPECTOR'S COMMENTS AND RECOMMENDATIONS**

1 1/2 " WELD LET LEAKING & CORRODED, FREE WEIGHT AREA, NEAR BOTTOM OF STAIRS, PAINTED HEAD (CORRECTED) (1) ENTRANCE TO STAIRS NEAR CLIMBING WALL

#### ALL SIGNALS RECEIVED AND RESET

If no, please explain reason:

MISSING (2)FDC CAPS (CORRECTED AT INSPECTION)

FIRE PUMP FAILED NEW INSPECTION REQUIRED AFTER REPAIRS ARE COMPLETED.

SYSTEM RESTORED TO NORMAL OPERATION	DATE	5/22/	12	TIME	1:00PM
NAME OF INSPECTOR	JASON JOHI	NSTON			
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFF	NER			
Is system code compliant with occupancy & stored of	commodity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected	ed?	Yes or No	NO		
Have the deficiencies/violations been authorized for	repair?	Yes or No	YES		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

				7	2101 Ma	rtindala Av	o SW Gra	nd Rapids MI	
DATE:	5/22/12				7646 S.	Sprinkle Ro	d., Portage I	MI .	
ARRIVAL TIME:	9:00am			X	1633 S.	Champagn	e Dr, Sagina	aw MI	
				1 🗀	28221 Beck Rd., Suite A-9, Wixom MI 1050 Arbor Tech Dr. Suite F, Hebron KY				
WORK ORDER NUMBER:	243703			] [	10007111	JO. 1001. D	. Cano i , i i	0.01.111	
SERVICE ORGANIZATION	(CORPOR	ATE)		1	PROPERT	TY NAME			
Vanguard Fire & Security	,	•		1	Name:	HADDIS	PECDENTIC	N & FITNESS	
,					ivaille.			M & I IINESS	
2101 Martindale Ave. SW					Address:	5210 GUL	LEN MALL		
Grand Rapids, MI 49509					DETROIT,	MI 48202			
Technician:	J. JOHNS	STON / T. T	YLER		Owner Co	ntact:	DAN / DA\	/ID KUFFNER	
	<u> </u>				Telephone	<b>)</b> :	(313) 684-	0865	
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.	
- стористо					, .pp. 0g	7.geey.			
			PRIOR TO AN	Y TESTING					
NOTIFICATIONS		YES	PHONE N	IUMBER		WHO		TIME	
BUILDING OCCUPANTS									
BUILDING MANAGEMENT		X	(313) 68	4-0865	DAN / DAVID	KUFFNER		9:00 AM	
MONITORING ENTITY		X			CAMPUS S	SECURITY		9:00 AM	
2ND MONITORING ENTITY									
AHJ (NOTIFIED) OF ANY IMPA	AIRMENTS								
		FIRE PUMI	P & JOCKEY F	PUMP INFOR	MATION				
			FIRE PUMI	PDATA					
MANUFACTURER		ITT		RATE GPM			500		
MODEL		SPLITCAS	SE	RATE PSI			80		
SERIAL NUMBER	C	00-031232-0	)1-01	PSI @ 150%	, 0		67		
TYPE		8100		MAX PRES	SURE		88		
RATED RPM		3550		<b>AUTO STAF</b>	RT		115		
IMPELLER SIZE		7.3		SATISFIED	PSI		140		
HORSE POWER		40		<b>AUTO STOP</b>	)		YES		
WATER SUPPLY		CITY		<b>RUN TIMER</b>	<u> </u>		YES		
			FIRE PUMP	DRIVER					
MANUFACTURER		U.S ELECT	RIC	FRAME	286TS	RATED RP	M	3525	
MODEL		5756A		VOLTAGE	480	HZ		60	
SERIAL NUMBER	C07-	-011042569	-006R05	AMP	47	HORSE PO	)WER	40	
TYPE		ELECTR	IC	PHASE	3	SERVICE I	FACTOR	1.15	



	FIRE PUMP	CONTROL			
MANUFACTURER	JOSLYN-CLARK	HORSE POWER RATING			40
MODEL	C3C164-4	VOLTAGE			480
SERIAL NUMBER	190478	AMP RMS		10	0,000
AAAUUEA OTUBER	JOCKEY PL				11⁄4"
MANUFACTURER	ANUFACTURER GROUNDFOS INLET/OUTLET SIZE  ODEL CR-2 START PRESSURE (O				
SERIAL NUMBER	, ,			125 140	
HORSE POWER	,				460
HORGE F GWER	1 1/2	VOLINGE			+00
	REMOTE ALARI	MS PROVIDED			
DISPLAYED AT	PANEL LOBBY	PHASE REVERSAL			NO
PUMP RUNNING	YES	PUMP ROOM LOW TEMP			N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
	FIRE PUMP TE				
Inspection of Pump		,	YES	NO	N/A
System found in service?			X		
2. Fire pump controller in automati			X		
<ul><li>3. Jockey pump controller in service</li><li>4. Is alarm panel clear?</li></ul>	e on auto?		X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and ord	derly?		X		
8. Ventilating louvers free to opera	· ·				X
9. Suction, discharge and bypass	valves open?		Χ		
10. Piping, valves and fittings free	from leaks?		X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection		,	YES	NO	N/A
Isolation switch and circuit breal	ker exercised?		X		
Diesel Pump Inspection			/ES	NO	N/A
<ol> <li>Fuel tank at least two-thirds full?</li> <li>Controller selector switch in auto</li> </ol>					X
Controller selector switch in auto     Battery voltage and reading nor	· ·				X
Battery voltage and reading flor     Battery charging current reading					X
Battery terminal free from corros				+	X
Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and	d ok?				Χ
10. Water strainer cleaned?					X
11. Wire chafing inspected?					Χ
12. Pressure recorder reset and gr	raph paper present?				Χ
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoi	d function properly?				X



•					
INSPECTION C	OF FIRE PUMP AND PIPING C	OMPONEN	TS		
INSPECTION C	TINE FOME AND FIFING C	OWIFOREIN	YES	NO	N/A
1. Valves in proper position and in good condition?			X		1071
2. Are all valves listed for application?			X		
3. Valves locked, sealed or supervised?			X		
4. Are all valves tagged and identified?			Χ		
5. Jockey pump operational?			X		
6. Packing glands appear properly adjusted?			X		
7. Bi-monthly test records available?					X
Were automatic starts performed?			X		
9. Were manual starts performed?			X		
10. Did automatic and manual starts and stops function	on properly?		X		
11. Remote alarm conditions demonstrated?			X		
12. Are drains operational and ok?			X		
13. Does fire pump shaft and coupling appear to be pr	operiy aligned?		X		
14. Does jockey pump appear to be aligned ok?	it function properly?		X		
<ul><li>15. Does fire pump have casing relief valve and does</li><li>16. Is test header in good condition and drained?</li></ul>	it function property?		X		
17. Supplying tank or reservoir appears to be in satisfa	actory condition?		^		X
18. Tank water level ok?	sciory condition:				X
19. At completion, was pump returned to automatic op	peration and all valves normal?		Χ		
20. Site personnel were offered instruction in pump op			X		
21. Sensing lines for jockey and fire pump separate?	<u> </u>		Χ		
22. Power transfer switch tested and ok?					X
F	FLOW INSPECTION REPORT				
Fire Pump Flow Test Report	CHURN	100% I	LOW	150%	% FLOW
RPM During Test	3575	354			3541
Voltage During Test	485 488 490	478 47			483 482
Amperage During Test	25 26 26	40 4	41	44	40 44
DATED MET HEAD					
RATED NET HEAD	80	4			00
SUCTION PRESSURE DISCHARGE PRESSURE	45	40			36
NET HEAD	135 90	12 80			108 72
NET HEAD	90	0(	)		12
RATED GPM 500					
OUTLET A PITOT	NA	50	1		<del>75</del> 0
OUTLET B PITOT	NA NA		•		
OUTLET C PITOT	NA NA				
OUTLET D PITOT	NA NA				
OUTLET E PITOT	NA				
TOTAL FLOW	0	50	1		750
RATED % OF FLOW		100	<b>1</b> %	1	50%
Does Fire Pump	meet system specifications?	PASS	X	FAIL	



				Y INSPECTION				
TYPE		V	ISUAL	FUNCTION	IAL		COMME	NTS
BATTERY CONDITION			N/A					
VOLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
				QUIPMENT:ON/C	FF MONI			
TYPE	YES	NO	TIME			COMMEN	TS	
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL	X							
TROUBLE RESTORAL	X							
SUPERVISORY SIGNAL	X							
SUPERVISORY RESTORAL	X							
	ļ		TIONS THAT T	ESTING IS COM	PLETE			
TYPE		YES		WHO				TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	DAN / DAVID					1:00PM
MONITORING ENTITY		X	CAMPUS SE	CURITY				1:00PM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPAI	IDVIEVIEC							
ALIO (NOTIFIED) OF AINT IMPA	IKIVIEN 15							
ALIS (NOTIFIED) OF ANT IMPA	IRIVIENTS							
,		RFORME	O IN ACCORD	ANCE WITH APP	LICABLE	NFPA STA	NDARDS	
THIS TESTIN	IG WAS PE			ANCE WITH APP			ANDARDS	
THIS TESTIN	IG WAS PE	OR'S CO	MMENTS	AND RECOM			NDARDS	
THIS TESTIN IN FIRE PUMP OPERATED PRO	IG WAS PE ISPECTO OPERLY A	OR'S CO	OMMENTS OF INSPECTI	AND RECON	IMEND	ATIONS		
THIS TESTIN	IG WAS PE ISPECTO OPERLY A	OR'S CO	OMMENTS OF INSPECTI	AND RECON	IMEND	ATIONS		
THIS TESTIN IN FIRE PUMP OPERATED PRO	IG WAS PE ISPECTO OPERLY A	OR'S CO	OMMENTS OF INSPECTI	AND RECON	IMEND	ATIONS		
THIS TESTIN IN FIRE PUMP OPERATED PRO	IG WAS PE ISPECTO OPERLY A	OR'S CO	OMMENTS OF INSPECTI	AND RECON	IMEND	ATIONS		
THIS TESTIN IN FIRE PUMP OPERATED PRO	IG WAS PE ISPECTO OPERLY A	OR'S CO	OMMENTS OF INSPECTI	AND RECON	IMEND	ATIONS		
THIS TESTIN IN FIRE PUMP OPERATED PRO	IG WAS PE ISPECTO OPERLY A	OR'S CO	OMMENTS OF INSPECTI	AND RECON	IMEND	ATIONS		
THIS TESTIN IN FIRE PUMP OPERATED PROTE: WORKED WITH PEE	IG WAS PE ISPECTO OPERLY A RLESS PU	OR'S CO AT TIME O	OMMENTS OF INSPECTI	AND RECONON CTION TO REP	AIR PUM	ATIONS P MOTOR	RISSUE	4,000
THIS TESTIN IN FIRE PUMP OPERATED PROTE: WORKED WITH PEE	IG WAS PE ISPECTO OPERLY A RLESS PU	OR'S CO AT TIME O	OMMENTS OF INSPECTI	AND RECON	IMEND	ATIONS P MOTOR		1:00PM
THIS TESTIN IN FIRE PUMP OPERATED PRO	IG WAS PE ISPECTO OPERLY A RLESS PU	OR'S CO AT TIME O	OMMENTS OF INSPECTI	AND RECONON CTION TO REP	AIR PUM	ATIONS P MOTOR	RISSUE	1:00PM
THIS TESTIN IN FIRE PUMP OPERATED PROMOTE: WORKED WITH PEE  SYSTEM RESTORED TO NORINAME OF INSPECTOR	IG WAS PE ISPECTO OPERLY A RLESS PU	OR'S CO AT TIME O	OMMENTS OF INSPECTI	AND RECOMON CTION TO REP	AIR PUM	ATIONS P MOTOR	RISSUE	1:00PM
THIS TESTIN IN FIRE PUMP OPERATED PROMOTE: WORKED WITH PEE  SYSTEM RESTORED TO NORINAME OF INSPECTOR	IG WAS PE ISPECTO OPERLY A RLESS PU	OR'S CO AT TIME O	OMMENTS OF INSPECTI	AND RECOMON CTION TO REP	AIR PUM	ATIONS P MOTOR	RISSUE	1:00PM
THIS TESTIN IN FIRE PUMP OPERATED PRO NOTE: WORKED WITH PEE  SYSTEM RESTORED TO NORI NAME OF INSPECTOR INSPECTOR'S SIGNATURE	IG WAS PE ISPECT( OPERLY A RLESS PL	OR'S CO AT TIME O	OMMENTS OF INSPECTI	AND RECOMON CTION TO REP	AIR PUM  5/22/	ATIONS P MOTOR	RISSUE	1:00PM
THIS TESTIN IN FIRE PUMP OPERATED PRO NOTE: WORKED WITH PEE SYSTEM RESTORED TO NORM NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN	MAL OPER	OR'S CO	OMMENTS OF INSPECTI	AND RECOMON CONTROL TO REPUBLISH DATE  JASON JOHNS	AIR PUM  5/22/	ATIONS P MOTOR	RISSUE	1:00PM
THIS TESTIN IN FIRE PUMP OPERATED PROPERTY OF THE PUMP OPERATED PROPERTY	MAL OPER	ATTIME O	OMMENTS OF INSPECTI	DAVID KUFFNI	AIR PUM  5/22/ TON	ATIONS P MOTOR	TIME	1:00PM
THIS TESTIN IN FIRE PUMP OPERATED PRO NOTE: WORKED WITH PEE  SYSTEM RESTORED TO NOR! NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN SIGNATURE OF PROPERTY O	MAL OPER WHER/REF	ATION  PRESENTA	OMMENTS OF INSPECTI	DAVID KUFFNI	AIR PUM 5/22/ TON	ATIONS P MOTOR	TIME	1:00PM
THIS TESTIN IN FIRE PUMP OPERATED PROPERTY OF THE PUMP OPERATED PROPERTY	MAL OPER WNER/REF	ATION  PRESENTA  ancy & si s been co	OMMENTS OF INSPECTI	DATE  JASON JOHNS  DAVID KUFFNI	AIR PUM  5/22/ TON  ER	ATIONS P MOTOR	TIME  YES N/A	1:00PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

DATE:	6/7/2012				646 S. Sprinkle Ro 633 S. Champagn			
ARRIVAL TIME:	12:00 PM			28	3221 Beck Rd., St	uite A-9, Wixo	m MI	
WORK ORDER NUMBER:	243704		]	10	050 Arbor Tech Dr	r. Suite F, He	bron KY	
SERVICE ORGANIZATI	ON (CORPOR	RATE)	]	PROPERTY	NAME			
Vanguard Fire & Security	y			Name:	WAYNE STATE	- STUDENT	CENTER	- 034
2101 Martindale Ave. SV	V			Address:	5221 GULLEN	MALL		
Grand Rapids, MI 49509	)			DETROIT, I	•			
erana rapiae, iii 10000			<u></u>	<u> </u>	WI 10202			
Technician:	J. JOHNSTO	DN ON		Owner Con	tact:	DAN		
				Telephone:		313-684-08	65	
Telephone:	800-444-871	800-444-8719		Approving A	Agency:	DETROIT F	IRE DEPA	RTMENT
			DDIOD T	O ANN TEOT	2010			
NOTIFICATIONS		YES		O ANY TEST	ING	WHO		TIME
BUILDING OCCUPANTS		169	PHONE	NUMBERS		WHO		IIIVIE
BUILDING MANAGEMENT	-	X			DAN			12:00 PM
MONITORING ENTITY		X			CAMPUS SECUE	RITV		12:00 PM
2ND MONITORING ENTIT	Υ	Λ			O/ (IVII OO OLOO)	WI I		12.001 W
AHJ (NOTIFIED) OF IMPAI								
			SYSTEM	I INFORMATION	ON			
GENERAL INFORMATION	l (GI)					YES	NO	N/A
<ol> <li>Is the building occup</li> </ol>	pied as in pas	t?				X		
2. Is the building fully s	sprinkled?						Χ	
3. System(s) in service	e without modi	fication sin	ce the last	inspection?		X		
4. Spare heads and he	ead box with w	rench secu	urely mount	ted?			X	
<ol><li>Stock/Storage a mir</li></ol>							Χ	
6. Are all gauges in go			oration, and	I showing nor	mal pressures?	X		
<ol><li>Wet system areas a</li></ol>	are adequately	heated?				X		



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X	Χ	
<u>4.</u>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
<u>/.</u>	valves lubilicateu :			^
DD	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X	NO	IN/A
2.	Are sprinkler heads thoustructed:  Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
<u>2.</u> 3.	Are all sprinkler heads less than 50 years old?	X		
_		X		
4. -	Are sprinkler heads of proper temperature rating?			
5.	Are riser(s) in good condition & unobstructed?	X		V
6.	Hydraulic nameplate in place and OK?	+		X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?		Х	
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
		1 1/ 1		1
	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X		
<u>2.</u>	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?			X
١.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
<u>.                                    </u>	Was Inspector Test performed and results OK?	X		
				ı .
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
j	Are accelerator(s) in good condition?			X
6.	All dry valves have been trip tested & OK (See Table 3)			X
	Dry pipe valves are in heated area?		<u> </u>	X
7.	Dry pipe valves are in fleated area:			



T	ABLE 1	I	AN'	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
T	ABLE 2		M	AIN DRAIN 1	TEST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	13			N/A				
	2.	2"	13	5						
	3.									
T	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	N/A									
2.		<u> </u>						l <del></del> , 10	.,	
		rum Drains						Tested? Yes		No
	II - BSMI	TELEPHO	NE /MECH RM						X	
<u> </u>								J		
_	ADLE 4	Ī	CONTROL	\/A \/⊏  N	TODM ATION					
I.	ABLE 4		CONTROL	VALVE IN	ORMATION			T	T	
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	-
2	MAIN (OS		YES	YES	YES	YES	YES	N/A	N/A	N/A
1	PUMP (OS	•	YES	YES	YES	YES	\/E0			
3		,					YES	N/A		
		OS&Y)	YES	YES	YES	YES	YES YES		N/A	N/A N/A
1	,	OS&Y) DER (OS&Y)	YES YES	YES YES	YES N/C	YES	YES	N/A	N/A N/A	N/A N/A
2	TEST HEAD	DER (OS&Y)	YES YES YES	YES YES YES	YES N/C YES				N/A	N/A
	TEST HEAD	DER (OS&Y) AL (OS&Y)	YES	YES	N/C	YES YES	YES YES	N/A N/A	N/A N/A N/A	N/A N/A N/A
2	TEST HEAD	DER (OS&Y) AL (OS&Y)	YES YES	YES YES	N/C YES	YES YES YES	YES YES YES	N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A
2	TEST HEAD	DER (OS&Y) AL (OS&Y) OS&Y)	YES YES	YES YES YES	N/C YES YES	YES YES YES YES	YES YES YES	N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A
2 2 T	TEST HEAD SECTIONA JOCKEY (	DER (OS&Y) AL (OS&Y) OS&Y)	YES YES YES	YES YES YES	N/C YES YES	YES YES YES YES	YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A
2 2 T	TEST HEAD SECTIONA JOCKEY (	DER (OS&Y) AL (OS&Y) OS&Y) B POSE	YES YES YES ACKFLOW/C	YES YES YES	N/C YES YES	YES YES YES YES	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A
2 2 T No.	SECTIONA JOCKEY ( ABLE 5 PUR DETECTO	DER (OS&Y) AL (OS&Y) OS&Y) B POSE	YES YES YES ACKFLOW/C	YES YES YES HECK VALV	N/C YES YES 'E INFORMA SIZE	YES YES YES YES YES TION YEAR	YES YES YES YES LAST INSP	N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
2 2 No.	SECTIONA JOCKEY ( ABLE 5 PUR DETECTO	DER (OS&Y) AL (OS&Y) OS&Y) B POSE OR CHECK	YES YES YES ACKFLOW/C MFG VIKING	YES YES YES HECK VALV MODEL C-1	N/C YES YES SE INFORMA SIZE 6"	YES YES YES YES TION YEAR 1967	YES YES YES YES YES 2010	N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	N/A N/A N/A N/A N/A N/A N/A BASEMENT	N/A N/A N/A N/A N/A ATION ROOM 61
2 2 No.	SECTIONA JOCKEY ( ABLE 5 PUR DETECTO DETECTO	DER (OS&Y) AL (OS&Y) OS&Y) B POSE OR CHECK	YES YES YES ACKFLOW/C MFG VIKING WARD	YES YES YES HECK VALV MODEL C-1 SWING	N/C YES YES EINFORMA SIZE 6" 3/4"	YES YES YES YES TION YEAR 1967 1967	YES YES YES YES YES 2010	N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	N/A N/A N/A N/A N/A N/A BASEMENT BASEMENT	N/A N/A N/A N/A N/A N/A N/A N/A ROOM 61 ROOM 61
2 Z No.	TEST HEAD SECTION, JOCKEY (  ABLE 5 PUR DETECTO MAIN	DER (OS&Y) AL (OS&Y) OS&Y) B POSE OR CHECK	YES YES YES ACKFLOW/C MFG VIKING WARD VIKING	YES YES YES HECK VALV MODEL C-1 SWING C-2	N/C YES YES EINFORMA SIZE 6" 3/4" 6"	YES YES YES YES YES TION YEAR 1967 1967 1967	YES YES YES YES YES 2010 2010	N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	N/A N/A N/A N/A N/A N/A BASEMENT BASEMENT	N/A N/A N/A N/A N/A N/A ATION ROOM 61 ROOM 61 ROOM 61
2 2 No. 1. 2. 3.	TEST HEAD SECTIONA JOCKEY (  ABLE 5 PUR DETECTO MAIN MAIN	DER (OS&Y) AL (OS&Y) OS&Y)  B POSE OR CHECK OR BYPASS	YES YES YES ACKFLOW/C MFG VIKING WARD VIKING	YES YES YES HECK VALV MODEL C-1 SWING C-2 C-2	N/C YES YES EINFORMA SIZE 6" 3/4" 6" 6"	YES YES YES YES YES TION YEAR 1967 1967 1967 1967	YES YES YES YES YES 2010 2010 2010	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A  LOC BASEMENT BASEMENT BASEMENT BASEMENT	N/A N/A N/A N/A N/A N/A ATION ROOM 61 ROOM 61 ROOM 61 ROOM 61
2 2 No. 1. 2. 3. 4.	TEST HEAD SECTIONA JOCKEY (  ABLE 5 PUR DETECTO DETECTO MAIN MAIN JOCKEY	DER (OS&Y) AL (OS&Y) OS&Y)  B POSE OR CHECK OR BYPASS  PE	YES YES YES  ACKFLOW/C MFG VIKING WARD VIKING VIKING	YES YES YES HECK VALV MODEL C-1 SWING C-2 C-2 SWING	N/C YES YES  E INFORMA SIZE 6" 3/4" 6" 6" 11/4"	YES YES YES YES YES TION YEAR 1967 1967 1967 1967	YES YES YES YES YES 2010 2010 2010 2010	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A  LOCA BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT	N/A N/A N/A N/A N/A N/A ATION ROOM 61 ROOM 61 ROOM 61 ROOM 61 ROOM 61
2 2 TNo. 1. 22. 33. 4. 5.	TEST HEAD SECTIONA JOCKEY (  ABLE 5 PUR DETECTO DETECTO MAIN MAIN JOCKEY STANDPIF	DER (OS&Y) AL (OS&Y) OS&Y)  B POSE DR CHECK DR BYPASS  PE PE FDC	YES YES YES  ACKFLOW/C MFG VIKING WARD VIKING VIKING VIKING	YES YES YES HECK VALV MODEL C-1 SWING C-2 C-2 SWING C-2	N/C YES YES E INFORMA SIZE 6" 6" 6" 11/4" 6"	YES YES YES YES YES TION YEAR 1967 1967 1967 1967 1967	YES YES YES YES YES  LAST INSP 2010 2010 2010 2010 2010 2010	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A  LOCA BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2 2 7 7 1. 2. 3. 4. 5. 6. 7.	TEST HEAD SECTION/ JOCKEY (  ABLE 5 PUR DETECTO DETECTO MAIN MAIN JOCKEY STANDPIF	DER (OS&Y) AL (OS&Y) OS&Y)  B POSE DR CHECK DR BYPASS  PE PE FDC ER	YES YES YES ACKFLOW/C MFG VIKING WARD VIKING VIKING VIKING VIKING	YES YES YES HECK VALV MODEL C-1 SWING C-2 C-2 SWING C-2 C-2	N/C YES YES EINFORMA SIZE 6" 3'/4" 6" 6" 1'/4" 6" 4"	YES YES YES YES YES TION YEAR 1967 1967 1967 1967 1967 1967 1968	YES YES YES YES YES  LAST INSP 2010 2010 2010 2010 2010 2010 2010	N/A N/A N/A N/A N/A O	N/A N/A N/A N/A N/A N/A N/A  LOCA BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2 2 TNo. 1. 2. 3. 4. 5. 6. 7. 3.	TEST HEAD SECTION/ JOCKEY (  ABLE 5 PUR DETECTO MAIN MAIN JOCKEY STANDPIR SPRINKLE	DER (OS&Y) AL (OS&Y) OS&Y)  B POSE DR CHECK DR BYPASS  PE PE FDC ER	YES YES YES  ACKFLOW/C  MFG VIKING VIKING VIKING VIKING VIKING VIKING VIKING	YES YES YES HECK VALV MODEL C-1 SWING C-2 C-2 SWING C-2 C-2 C-2 C-2 C-2 C-2	N/C YES YES EINFORMA SIZE 6" 3'4" 6" 6" 1'4" 6" 4"	YES YES YES YES YES YES TION YEAR 1967 1967 1967 1967 1967 1968 1967	YES YES YES YES YES  LAST INSP 2010 2010 2010 2010 2010 2010 2010 201	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A  LOC BASEMENT	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A



		_	EMISES MONIT	T	001:::-:-	
YPE	YES	NO	TIME		COMMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL  ROUBLE SIGNAL	X			+		
ROUBLE RESTORAL		+				
SUPERVISORY SIGNAL						
SUPERVISORY RESTORAL		+				
	NOTIF	CATIONS TH	AT TESTING I	S COMPLETE		
YPE	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X	DAN/DAV	ID KUFFNER			2:00 PM
MONITORING ENTITY	X	CAMPUS S	SECURITY			2:00 PM
ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
				TH APPLICABLE I	NFPA STANDARDS	
BUILDING PARTIALLY SPRINKLER BAS MISSING CEILING TILES IN SEVERAL B	BASEMENT AREA	S BY OLD KIT	CHEN	EAKER TO ISOLATE	PABEL IN OUTSIDE T	ELEPHONE RM #1
BUILDING PARTIALLY SPRINKLER BAS MISSING CEILING TILES IN SEVERAL B NOTE: ALARM PANEL IS 110V LOCATED BREAKERS 6 & 8  SYSTEM RESTORED TO NORMAL	BASEMENT AREA D IN ENGINEERS	S BY OLD KIT	CHEN	EAKER TO ISOLATE 6/7/1		ELEPHONE RM #1
SUILDING PARTIALLY SPRINKLER BAS MISSING CEILING TILES IN SEVERAL B MOTE: ALARM PANEL IS 110V LOCATE BREAKERS 6 & 8	BASEMENT AREA D IN ENGINEERS	S BY OLD KIT	CHEN 401 CIRCUIT BRE	6/7/1		
BUILDING PARTIALLY SPRINKLER BAS MISSING CEILING TILES IN SEVERAL B NOTE: ALARM PANEL IS 110V LOCATED BREAKERS 6 & 8  BYSTEM RESTORED TO NORMAL NAME OF INSPECTOR	BASEMENT AREA D IN ENGINEERS	S BY OLD KIT	CHEN 401 CIRCUIT BRE DATE	6/7/1		
SUILDING PARTIALLY SPRINKLER BAS MISSING CEILING TILES IN SEVERAL BOTE: ALARM PANEL IS 110V LOCATED BREAKERS 6 & 8  SYSTEM RESTORED TO NORMAL MAME OF INSPECTOR  NSPECTOR'S SIGNATURE	D IN ENGINEERS  OPERATION	S BY OLD KIT	CHEN 401 CIRCUIT BRE DATE	6/7/1 N		
SUILDING PARTIALLY SPRINKLER BAS MISSING CEILING TILES IN SEVERAL BOTE: ALARM PANEL IS 110V LOCATED BREAKERS 6 & 8  SYSTEM RESTORED TO NORMAL MANEL OF INSPECTOR  NSPECTOR'S SIGNATURE  MANE OF PROPERTY OWNER/REF	OPERATION  PRESENTATIVE	S BY OLD KIT	DATE  J. JOHNSTO	6/7/1 N		
UILDING PARTIALLY SPRINKLER BAS  IISSING CEILING TILES IN SEVERAL B  IOTE: ALARM PANEL IS 110V LOCATED  BREAKERS 6 & 8  SYSTEM RESTORED TO NORMAL  IAME OF INSPECTOR  NSPECTOR'S SIGNATURE  IAME OF PROPERTY OWNER/REF	OPERATION  PRESENTATIVE	S BY OLD KIT S OFFICE RM 4	DATE  J. JOHNSTON  DAVID KUFF	6/7/1 N NER	2 TIME	
BUILDING PARTIALLY SPRINKLER BAS MISSING CEILING TILES IN SEVERAL B NOTE: ALARM PANEL IS 110V LOCATED BREAKERS 6 & 8  BYSTEM RESTORED TO NORMAL MAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REF BIGNATURE OF PROPERTY OWNE	OPERATION  PRESENTATIVE ER/REPRESENT OCCUPANCY &	S BY OLD KIT S OFFICE RM 4	DATE  J. JOHNSTON  DAVID KUFF	6/7/1 N NER Yes or No	2 TIME	
BUILDING PARTIALLY SPRINKLER BAS MISSING CEILING TILES IN SEVERAL B NOTE: ALARM PANEL IS 110V LOCATE BREAKERS 6 & 8	OPERATION  PRESENTATIVE ER/REPRESENT OCCUPANCY & lations been of	S BY OLD KIT S OFFICE RM 4	DATE  DAVID KUFF	6/7/1 N NER	2 TIME	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

DATE:		4 L	7646 S. Sprinkle Rd., Portage MI 1633 S. Champagne Dr, Saginaw MI					
ARRIVAL TIME:	8:30am			X				
WORK ORDER NUMBER:	243704						ite A-9, Wixe . Suite F, He	
					, 			
SERVICE ORGANIZATIO	N (CORPORA	ATE)		_	PROPERT	YNAME		
Vanguard Fire & Security					Name:	WAYNE S	TATE - STU	IDENT CTR.
2101 Martindale Ave. SW					Address:	5221 GUL	LEN MALL	
Grand Rapids, MI 49509					DETROIT	, MI 48202		
Technician:	J. JOHNS	TON / T. 1	YLER		Owner Co	ntact:	DAN / D KI	JFFNER
				Telephone	<b>)</b> :	313-684-08	365	
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT.
			PRIOR TO A		<u> </u>			
NOTIFICATIONS		YES	PHONE	NUMBER		WHO		TIME
BUILDING OCCUPANTS BUILDING MANAGEMENT		<b>V</b>			DAN / DAV	ID KLIEENEE	<u> </u>	8:30AM
MONITORING ENTITY		X			DAN / DAVID KUFFNER CAMPUS SECURITY			8:30AM
2ND MONITORING ENTITY		^			CAMPUS	BECORITI		0.30AW
AHJ (NOTIFIED) OF ANY IM	PAIRMENTS							
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUN	IP DATA				
MANUFACTURER		PEERLES	SS	RATE GPM			500	
MODEL		4-ABF10	)	RATE PSI			75	
SERIAL NUMBER		319409		PSI @ 150%			59	
TYPE		SPLITCAS	SE	MAX PRES			32.8	
RATED RPM		3530		AUTO STAI			75	
IMPELLER SIZE				SATISFIED			130	
HORSE POWER		30		AUTO STO			NO	
WATER SUPPLY		CITY		RUN TIMER	₹		7 MIN	
			FIRE PUMI			1		1
MANUFACTURER		US MOTO		FRAME	284TS	RATED RP	M	3520
MODEL		9-1638-00-	167	VOLTAGE	480	HZ		60
SERIAL NUMBER				AMP	36	HORSE PO		30
TYPE		ELECTR	IC	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP	CONTROL			
MANUFACTURER	LEXINGTON	HORSE POWER RATING	3		30
MODEL	9776-67	VOLTAGE			480
SERIAL NUMBER	83468-8-5-46	AMP RMS			N/A
	JOCKEY P	UMP DATA			
MANUFACTURER	PEERLESS	INLET/OUTLET SIZE		1½	" - 1¼"
MODEL		START PRESSURE (ON	)		100
SERIAL NUMBER	319410	STOP PRESSURE (OFF)			130
HORSE POWER	3	VOLTAGE	,		230
	-				
	REMOTE AL AF	RMS PROVIDED			
DISPLAYED AT	PANEL IN ROOM 401				NO
PUMP RUNNING	YES	PUMP ROOM LOW TEM	D		N/A
AC LOSS OF POWER	NO	LOW DIESEL FUEL	<u> </u>		N/A
AC EOSS OF TOWER	INO	LOW BIESEET GEE			IN/A
	FIDE DUMD T	EST REPORT			
Increation of Dump	FIRE PUWIP I	EST REPORT	YES	NO	N/A
Inspection of Pump  1. System found in service?			X	NO	IN/A
,	2				
2. Fire pump controller in automatic service			X		
3. Jockey pump controller in service on aut	0?				
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves op			X		
10. Piping, valves and fittings free from leal	<u>(\$?</u>		X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exerc	ised?		X		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
<ol><li>Controller selector switch in auto position</li></ol>	1?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?	)				X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					Χ
8. Oil levels normal?					Χ
9. Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph paper	er present?				X
13. Engine coolant level normal?					Х
14. Does Heat Exchanger Solenoid function	n properly?				X



	N OF FIRE PUMP AND PIPING C	OIIII OIILII	YES	NO	N/A
Valves in proper position and in good condition?			X	NO	IVA
2. Are all valves listed for application?			X		
3. Valves locked, sealed or supervised?			X		
4. Are all valves tagged and identified?			X		
5. Jockey pump operational?			Χ		
6. Packing glands appear properly adjusted?			Χ		
7. Bi-monthly test records available?					X
8. Were automatic starts performed?			X		
9. Were manual starts performed?			Χ		
10. Did automatic and manual starts and stops fund	ction properly?		Χ		
11. Remote alarm conditions demonstrated?			Χ		
12. Are drains operational and ok?			Χ		
13. Does fire pump shaft and coupling appear to be	properly aligned?		X		
14. Does jockey pump appear to be aligned ok?			X		
15. Does fire pump have casing relief valve and doe	es it function properly?			Χ	
16. Is test header in good condition and drained?				X	
17. Supplying tank or reservoir appears to be in sati	sfactory condition?				X
18. Tank water level ok?					X
19. At completion, was pump returned to automatic			X		
20. Site personnel were offered instruction in pump	•		X		
21. Sensing lines for jockey and fire pump separate	?			Χ	
22. Power transfer switch tested and ok?					X
Sing Down Slow Tool Downs	FLOW INSPECTION REPORT	4000/ 1	-1 0 1 1	4500	/ FLOW
Fire Pump Flow Test Report	CHURN 3575	100% I			<b>FLOW</b> 540
RPM During Test Voltage During Test	471 468 467	465 46			166 468
Voltage During Test	22 22 24	39 39			
Amnerage During Test			7 -+17	4/	
Amperage During Test	22 22 27	00 0			42 41
				12	42 41
RATED NET HEAD	51				
RATED NET HEAD SUCTION PRESSURE	51 60	48	3		40
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE	51		3 0		
Amperage During Test  RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD	51 60 135	40	3 0		40 90
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE	51 60 135 75	40	3 0		40 90
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE NET HEAD  RATED GPM 500	51 60 135 75	44 10 52	3 0 2		40 90 50
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE NET HEAD  RATED GPM 500 OUTLET A PITOT	51 60 135 75	40	3 0 2		40 90
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM  OUTLET A PITOT  OUTLET B PITOT	51 60 135 75	44 10 52	3 0 2		40 90 50
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM  OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT	51 60 135 75 NA NA	44 10 52	3 0 2		40 90 50
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT OUTLET D PITOT	51 60 135 75 NA NA NA	44 10 52	3 0 2		40 90 50
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD	51 60 135 75 NA NA NA NA	44 10 52	3 0 2 3	7	40 90 50
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM  OUTLET A PITOT  OUTLET B PITOT  OUTLET C PITOT  OUTLET D PITOT  OUTLET D PITOT	51 60 135 75 NA NA NA NA NA	44 10 52 50	3 0 2 3 3 3		40 90 50



		DIE	CEL DATTED	Y INSPECTION			
TYPE			ISUAL	FUNCTION		COMMEN	ITC
BATTERY CONDITION		VI	N/A	FUNCTIONA	L	COMMEN	113
OLTAGE			IN/A				
ATTERY SIZE							
CHARGER VOLTAGE							
HAROLK VOLTAGE							
	EMERGEN	CY COMM	UNICATION E	QUIPMENT:ON/OF	F MONITORING	G	
TYPE	YES	NO	TIME		COM	MENTS	
LARM SIGNAL	X						
LARM RESTORAL	X						
ROUBLE SIGNAL	N/A						
ROUBLE RESTORAL	N/A						
UPERVISORY SIGNAL	N/A						
SUPERVISORY RESTORAL	N/A						
		NOTIFICAT	TIONS THAT T	ESTING IS COMPI	ETE		
TYPE		YES	IONS THAT I	ESTING IS COMPI WHO	.616		TIME
BUILDING OCCUPANTS		120		11110			
UILDING MANAGEMENT		X	DAN/ DAVID I	KUFFNFR		-	3:00PM
IONITORING ENTITY		X	CAMPUS SEC				3:00PM
ND MONITORING ENTITY							
HI/NOTIFIED) OF ANY IMPAI							
ANY IMPAL	RMENTS						
ANY IMPAI	RMENTS						
,		RFORME	D IN ACCORDA	ANCE WITH APPL	CABLE NFPA	STANDARDS	
THIS TESTII	NG WAS PE						
	NG WAS PE	OR'S CO	MMENTS A	ANCE WITH APPL			
THIS TESTII IN PUMP OPERATED PROPER	NG WAS PE ISPECTO LY AT TIM	DR'S CO	PECTION	AND RECOM	IENDATIO		
THIS TESTII	NG WAS PE ISPECTO LY AT TIM	PR'S CO	PECTION	AND RECOM	IENDATIO		3:00PM
THIS TESTII  IN PUMP OPERATED PROPER  NOTE: SEPARATED SENSIN	NG WAS PE ISPECTO LY AT TIM	PR'S CO	PECTION	NG RELIEF VALV	MENDATION E - 2012	NS	3:00PM
THIS TESTIII  IN PUMP OPERATED PROPER  NOTE: SEPARATED SENSIN  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR	NG WAS PE ISPECTO LY AT TIM	PR'S CO	PECTION	NG RELIEF VALV	MENDATION E - 2012	NS	3:00PM
THIS TESTII  IN PUMP OPERATED PROPER  NOTE: SEPARATED SENSIN	NG WAS PE ISPECTO LY AT TIM NG LINES A	PR'S CO	PECTION	NG RELIEF VALV	6/7/12	NS	3:00PM
THIS TESTIII  IN PUMP OPERATED PROPER  NOTE: SEPARATED SENSIN  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PE ISPECTO LY AT TIM NG LINES A MAL OPERA	AND REPI	PECTION  LACED CASIN	NG RELIEF VALV	6/7/12	NS	3:00PM
THIS TESTIII  IN PUMP OPERATED PROPER  NOTE: SEPARATED SENSIN  SYSTEM RESTORED TO NORM  IAME OF INSPECTOR  NSPECTOR'S SIGNATURE  IAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY OF	NG WAS PE ISPECTO LY AT TIM NG LINES A MAL OPERA ITATIVE WNER/REP	ATION  RESENTA	PECTION  LACED CASIN	DAVID KUFFNER	6/7/12	TIME	3:00PM
THIS TESTIII  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  IAME OF INSPECTOR  SPECTOR'S SIGNATURE  IAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY OF	NG WAS PE ISPECTO LY AT TIM NG LINES A MAL OPERA ITATIVE WNER/REP	AND REPI	PECTION  LACED CASIN	DAVID KUFFNER	6/7/12  Yes or	TIME No YES	3:00PM
THIS TESTIII  IN PUMP OPERATED PROPER  NOTE: SEPARATED SENSIN  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	NG WAS PE ISPECTO LY AT TIM NG LINES / MAL OPERA ITATIVE WNER/REP With occupa	AND REPI	PECTION  LACED CASIN  TIVE  ored common rected?	DATE  JASON JOHNSTO	E - 2012  6/7/12  N  Yes or Yes or	TIME	3:00PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZATI	5/30/2012 12:00pm 244893	ATE)		76 X 16 28	01 Martindale Ave 46 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr.	., Portage M e Dr, Saginav ite A-9, Wixo	I v MI om MI	I
Vanguard Fire & Security	y			Name:	WAYNE STATE	- REUTHER	LIBRARY	- 036
2101 Martindale Ave. SV	V			Address:	5401 CASS			
Grand Rapids, MI 49509	1			DETROIT, N	/II 48202			
Grana Rapido, Mi 40000	<u>'</u>		I	DETROIT, I	11 40202			
Technician:	J. JOHNSTON	١		Owner Cont	act:	ED / DAVID	KUFFNER	
				Telephone:		(313) 684-0	888	
Telephone:	800-444-8719			Approving A	gency:	DETROIT F		RTMENT
			PRIOR TO	O ANY TEST	ING			
NOTIFICATIONS		YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT	_	X	(313)	684-0888	ED / DAVID KUFF			12:00PM
MONITORING ENTITY		X			CAMPUS SECUR	ITY		12:00PM
2ND MONITORING ENTIT								
AHJ (NOTIFIED) OF IMPA	IRMENTS							
			CVCTEM	LINEODMATIC	ANI			
GENERAL INFORMATION	I (CI)		SISIEW	INFORMATIO	<u> </u>	YES	NO	N/A
Is the building occu	<u> </u>	)				X	140	IV/A
Is the building fully:						X		
System(s) in service		cation sind	ce the last i	nspection?		X		
4. Spare heads and he							X	
5. Stock/Storage a mir					in place?		Χ	
6. Are all gauges in go	ood condition, in	5-yr calib	ration, and	showing norr	nal pressures?	X		
7. Wet system areas a	are adequately h	neated?				X		



ΔΙΛ	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	14/7
	Main control valves open:  Main control valves in good condition and identified?	X		
	Are control valves secure?	X		
	Are all control valves accessible & free from external leaks?			
		X		
	Are all control valves provided with the proper operators?		X	
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
		1 1/2		1
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?		X	
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?		X	
	Are all sprinkler heads less than 50 years old?	X		
1.	Are sprinkler heads of proper temperature rating?	X		
	Are riser(s) in good condition & unobstructed?	X		
3.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			Х
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
		X		
о.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	^		
ΙΔΙ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	110	11//
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?			X
	All dry valves have been trip tested & OK (See Table 3)			X
	Dry pipe valves are in heated area?			X
	Was customer informed that they need to drain all drum drips on a monthly basis?			X
	Trae eactories informed that they need to drain all drain alips on a monthly backs:			



T	ABLE 1		AN'	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
	1		O DOCK REAF	R OF BUILDI	NG (1")		2		ONE	-34
_	ADLES		D.4.	A IAL DO A IAL T	FECT					
	ABLE 2 iser No.	Drain Size		AIN DRAIN T		Pressure (PSI)				
К	1.	2	Static Pres		Residual F	ressure (FSI)				
	2.		17	<u> </u>						
	3.									
	4.									
T	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air		_	Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2. 3.										
	ation of D	ı rum Drains						Tested?	Yes	No
LUC		Tulli Dialli	3					resteu:	169	NO
1										
								4	<u> </u>	
2.								-		
2. 3.								-		
2. 3.										
1. 2. 3. 4.	ABLE 4		CONTROL	_ VALVE INI	FORMATION					
2. 3. 4.	ABLE 4		CONTROL	_ VALVE INI	FORMATION					T
2. 3. 4. T		of Valvo					Soulad	Locked	Supervised	Tamper
2. 3. 4. T	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	•	Operationa
2. 3. 4. T	Type of MAIN (OS	&Y)	Accessible YES	Signs NO	Open YES	Secured YES	YES	N/A	N/A	Operationa N/A
2. 3. 4. T	Type of MAIN (OS BYPASS (	&Y) (OS&Y)	Accessible YES YES	Signs NO NO	Open YES YES	Secured	YES YES	N/A N/A	•	Operationa N/A N/A
2. 3. 4. T	Type of MAIN (OS BYPASS (	&Y) (OS&Y) (S&Y)	Accessible YES	Signs NO	Open YES	Secured YES YES	YES	N/A	N/A N/A	Operationa N/A
2. 3. 4. T 2ty 2 3	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (	&Y) (OS&Y) (S&Y)	Accessible YES YES YES	Signs NO NO NO	Open YES YES YES	Secured YES YES YES	YES YES YES	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
2. 3. 4.  T  Qty  2  3  1	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION)	&Y) (OS&Y) (S&Y) (OS&Y)	Accessible YES YES YES YES YES	Signs NO NO NO	Open YES YES YES YES	Secured YES YES YES YES YES	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	Operationa N/A N/A N/A N/A
2. 33. 44. T Qty 2 3 1 2	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION)	&Y) OS&Y) S&Y) OS&Y) AL (BFLY)	Accessible YES YES YES YES YES YES YES	Signs NO NO NO NO NO	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	YES YES YES YES N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES	Operationa N/A N/A N/A N/A N/A YES
2. 3. 4. T Qty 2 3 1 2	Type of MAIN (OS BYPASS) PUMP (OS JOCKEY) SECTION SECTION TEST HEA	&Y) (OS&Y) (S&Y) (OS&Y) (OS&Y) (OS&Y) (OS&Y) (OS&Y) (OS&Y) (OS&Y)	Accessible YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES	Operationa N/A N/A N/A N/A N/A YES
2. 3. 4.  T  Qty  2 3 1 2	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION SECTION TEST HEA	&Y) (OS&Y) (S&Y) (OS&Y) (OS&Y) (AL (BFLY) (AL (OS&Y) (AD (OS&Y)	Accessible YES YES YES YES YES YES YES ACKFLOW/C	Signs NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A YES	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A N/A YES N/A
2. 3. 4.  T  Qty  2 3 1 2  1  T  No.	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION SECTION TEST HEAD ABLE 5	&Y) OS&Y) S&Y) OS&Y) AL (BFLY) AL (OS&Y) AD (OS&Y) B POSE	Accessible YES YES YES YES YES YES ACKFLOW/C	Signs NO NO NO NO NO NO NO NO MO	Open YES YES YES YES YES YES YES YES SIZE	Secured YES	YES YES YES YES N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES N/A	Operationa N/A N/A N/A N/A N/A YES N/A
2. 3. 4.  T  Qty  2 3 1 2  T  No.	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION) SECTION) TEST HEAD ABLE 5 PUR DETECTO	&Y) OS&Y) S&Y) OS&Y) AL (BFLY) AL (OS&Y) AD (OS&Y)  B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES VES VES	Signs NO NO NO NO NO NO NO NO MO HECK VALV MODEL B-1	Open YES YES YES YES YES YES YES YES YES OF INFORMATION OF ITEM OF ITE	Secured YES	YES YES YES YES N/A YES	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES N/A LOC/	Operationa N/A N/A N/A N/A N/A YES N/A ATION
2. 3. 4.  T  Qty 2 3 1 2  T  No. 1. 2.	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION) TEST HEAD ABLE 5 PUR DETECTOR	&Y) OS&Y) S&Y) OS&Y) AL (BFLY) AL (OS&Y) AD (OS&Y)  B POSE OR CHECK	Accessible YES	Signs NO NO NO NO NO NO NO NO NO SO HECK VALV MODEL B-1 SWING	Open YES YES YES YES YES YES YES SIZE 6" 34"	Secured           YES           YES           YES           YES           YES           YES           YES           YES           1974           1974	YES YES YES YES N/A YES	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES N/A  LOC BOILER ROOF	N/A N/A N/A N/A N/A N/A N/A N/A YES N/A  ATION
2. 3. 4.  T  Qty 2 3 1 2  1 T No. 1. 22. 33.	Type of MAIN (OS BYPASS) (PUMP (OS JOCKEY (SECTION) TEST HEAD ABLE 5 PUR DETECTO DETECTO BYPASS	&Y) OS&Y) S&Y) OS&Y) AL (BFLY) AL (OS&Y) AD (OS&Y)  B POSE OR CHECK	Accessible YES	Signs NO NO NO NO NO NO NO NO SO HECK VALV MODEL B-1 SWING 152	Open YES YES YES YES YES YES YES YES YES OF INFORMA SIZE 6" 3/4" 6"	Secured           YES           YES           YES           YES           YES           YES           YES           YES           1974           1973	YES YES YES YES N/A YES  LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES N/A  LOC/ BOILER ROOF BOILER ROOF	Operationa N/A N/A N/A N/A N/A N/A N/A YES N/A  ATION
2. 3. 4.  T  Qty  2 3 1 2  T  No. 1. 22. 33.	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION SECTION TEST HEAD DETECTO DETECTO BYPASS PUMP	&Y) OS&Y) S&Y) OS&Y) AL (BFLY) AL (OS&Y) AD (OS&Y)  B POSE OR CHECK	Accessible YES	Signs NO NO NO NO NO NO NO NO SIGNATION NO NO NO HECK VALV MODEL B-1 SWING 152 152	Open YES YES YES YES YES YES YES OF INFORMA SIZE 6" 34" 6" 6"	Secured	YES YES YES N/A YES LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A YES N/A  LOC BOILER ROOF BOILER ROOF BOILER ROOF BOILER ROOF	N/A
2. 3. 4. T Qty 2 3 1 2 T No. 1. 2. 3. 4. 5.	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION, SECTION, TEST HEAT ABLE 5 PUR DETECTOR DETECTOR BYPASS PUMP JOCKEY	&Y) OS&Y) S&Y) OS&Y) AL (BFLY) AL (OS&Y) AD (OS&Y) B POSE OR CHECK OR BYPASS	Accessible YES YES YES YES YES YES YES YES YES ACKFLOW/C MFG VIKING RANDELMAN AUTOSPARK AUTOSPARK CRANE	Signs NO NO NO NO NO NO NO HECK VALV MODEL B-1 SWING 152 152 SWING	Open YES YES YES YES YES YES YES YES 100 100 100 100 100 100 100 100 100 10	Secured	YES YES YES YES N/A YES  LAST INSP  2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	N/A N/A N/A N/A N/A YES N/A  LOC/ BOILER ROOF BOILER ROOF BOILER ROOF BOILER ROOF BOILER ROOF	Operationa N/A N/A N/A N/A N/A N/A N/A YES N/A  ATION M M M M
2. 3. 4.  T  Qty  2 3 1 2  T  No. 1. 22. 33.	Type of MAIN (OS BYPASS (PUMP (OS JOCKEY (SECTION SECTION TEST HEAD DETECTO DETECTO BYPASS PUMP	&Y) OS&Y) S&Y) OS&Y) AL (BFLY) AL (OS&Y) AD (OS&Y) B POSE OR CHECK OR BYPASS	Accessible YES	Signs NO NO NO NO NO NO NO NO SIGNATION NO NO NO HECK VALV MODEL B-1 SWING 152 152	Open YES YES YES YES YES YES YES OF INFORMA SIZE 6" 34" 6" 6"	Secured	YES YES YES N/A YES LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	N/A N/A N/A N/A N/A YES N/A  LOC BOILER ROOF BOILER ROOF BOILER ROOF BOILER ROOF	N/A



	(	ON / OFF PRE	MISES MONITORIN	G	
TYPE	YES	NO	TIME	COMME	NTS
ALARM SIGNAL	X				
ALARM RESTORAL	X				
TROUBLE SIGNAL	X				
TROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	X				
SUPERVISORY RESTORAL	X				
	NOTIFI	CATIONS TH	AT TESTING IS COM	MPLETE	
ТҮРЕ	NOTIFI YES	CATIONS TH	AT TESTING IS COM	MPLETE	TIME
	_	CATIONS THA		/PLETE	TIME
BUILDING OCCUPANTS	_	ED / DAVID	WHO	MPLETE	TIME 3:30 PM
BUILDING OCCUPANTS BUILDING MANAGEMENT	YES		WHO	MPLETE	
TYPE BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTITY	YES	ED / DAVID	WHO	MPLETE	3:30 PM
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY	YES	ED / DAVID	WHO	/PLETE	3:30 PM
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS	YES X	ED / DAVID CAMPUS SI	WHO  KUFFNER  ECURITY	NPLETE	3:30 PM 3:30 PM

FOUND 38 PAINTED PENDANT SPRINKLER IN VAULT RM 266 NOT ABLETO ACCESS LAST INSPECTION OR THIS INSPECTION.
MISSING CEILING TILES 4TH FLR NORTH RECORDS AREA

NOTE: TO SILENCE AUTO CALL PANEL IN LOBBY, REMOVE (1) SIDE ON ALL (4) HORN CIRCUITS

Have the deficiencies/violations been authorized for repair?

If no, please explain reason:

				1	
SYSTEM RESTORED TO NORMAL OPERATION	DATE	5/30/	12	TIME	3:30PM
NAME OF INSPECTOR	JASON JOHN	STON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
lle contains a de complicat orithe company 0 at and a complicat		Vac an Na	IVEO		
Is system code compliant with occupancy & stored co		Yes or No	YES		
Have the noted deficiencies/violations been corrected	?	Yes or No	NO		

YES

Yes or No



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

DATE:	5/30/12						e. SW, Gran ., Portage M	d Rapids MI II
ARRIVAL TIME:	12:00PM			X	1633 S.	Champagne	e Dr, Sagina	w MI
WORK ORDER NUMBER:	244893			]			ite A-9, Wix . Suite F, He	
SERVICE ORGANIZATION (	CORPORA	ATE)		1	PROPER	TY NAME		
Vanguard Fire & Security					Name:	REUTHER	R LIBRARY -	· 036
2101 Martindale Ave. SW					Address:	5401 CAS	S	
Grand Rapids, MI 49509					DETROIT	, MI 48202		
				_				
Technician:	J. JOHNS	TON			Owner Co	ntact:	ED / DAVI	) K
					Telephone	e:	313-684-08	388
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT.
			PRIOR TO AN	IV TESTING				
NOTIFICATIONS		YES	PHONE N			WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	(313) 68	34-0888	STEVE / DA	AVID KUFFN	ER	12:00PM
MONITORING ENTITY		Χ			CAMPUS S	SECURITY		12:00PM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS							
		FIDE DUM	D. O. LOOKEY	DUMP INFO	AAA TION			
		FIRE PUM	P & JOCKEY   FIRE PUM		MATION			
MANUFACTURER		ITT - AC		RATE GPM			1000	
MODEL		SPLITCAS		RATE PSI			120	
SERIAL NUMBER	ç	911-82601-0		PSI @ 150%	/ 0		70	
TYPE		SPHF	-	MAX PRES			56	
RATED RPM		3555		AUTO STAF			90	
IMPELLER SIZE		7.62		SATISFIED	PSI		175	
HORSE POWER		75		AUTO STO	)		NO	
WATER SUPPLY		CITY		RUN TIMER			10 MIN	
			FIRE PUMF		1			
MANUFACTURER		US ELECT		FRAME	364TS	RATED RP	M	3550
MODEL	H0	07T09T173	R078M	VOLTAGE	480	HZ		60
SERIAL NUMBER				AMP	89	HORSE PC		75
TYPE		ELECTRI	lC .	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP				
MANUFACTURER	JOSLYN - CLARK	HORSE POWER RATING	3		75
MODEL	C3C194-14	VOLTAGE			480
SERIAL NUMBER	72114050-1-1	AMP RMS		10	00,000
	JOCKEY P	-		T	
MANUFACTURER	PEERLESS	INLET/OUTLET SIZE			1¼
MODEL	J65E	START PRESSURE (ON			110
SERIAL NUMBER	A4A2673627	STOP PRESSURE (OFF	)		140
HORSE POWER	2	VOLTAGE			230
	REMOTE ALAR			1	
DISPLAYED AT	PANEL IN LOBBY	PHASE REVERSAL			NO
PUMP RUNNING	YES	PUMP ROOM LOW TEM	Р		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
	FIRE PUMP T	EST REPORT	\/=o		
Inspection of Pump			YES	NO	N/A
1. System found in service?			X		
2. Fire pump controller in automatic service?			X		
3. Jockey pump controller in service on auto?	,		X		
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves ope			X		
10. Piping, valves and fittings free from leaks	?		X		
11. Main relief valve functions ok?			X	110	
Electronic Pump Inspection	10		YES	NO	N/A
1. Isolation switch and circuit breaker exercis	ed?		YES	NO	NI/A
Diesel Pump Inspection  1. Fuel tank at least two-thirds full?			159	NO	N/A
					X
2. Controller selector switch in auto position?					
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?  10. Water strainer cleaned?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?	nragant?				X
<ul><li>12. Pressure recorder reset and graph paper</li><li>13. Engine coolant level normal?</li></ul>	present?				X
	aranarly?				X
14. Does Heat Exchanger Solenoid function	oroperry?				X



			ITS YES	NO	N/A	
Valves in proper position and in good condition	?		X	140	IN/A	
Are all valves listed for application?			X			
3. Valves locked, sealed or supervised?			X			
4. Are all valves tagged and identified?			X			
5. Jockey pump operational?			X			
6. Packing glands appear properly adjusted?			X			
7. Bi-monthly test records available?					X	
8. Were automatic starts performed?			X			
9. Were manual starts performed?			Χ			
10. Did automatic and manual starts and stops for	unction properly?		X			
11. Remote alarm conditions demonstrated?			X			
12. Are drains operational and ok?			Χ			
13. Does fire pump shaft and coupling appear to b	pe properly aligned?		X			
14. Does jockey pump appear to be aligned ok?			X			
15. Does fire pump have casing relief valve and d	oes it function properly?		X			
16. Is test header in good condition and drained?				X		
17. Supplying tank or reservoir appears to be in sa	atisfactory condition?				Χ	
18. Tank water level ok?					X	
19. At completion, was pump returned to automat		1	X			
20. Site personnel were offered instruction in pum			X			
21. Sensing lines for jockey and fire pump separa	te?			X		
22. Power transfer switch tested and ok?			X			
	FLOW INSPECTION REPOR					
Fire Pump Flow Test Report	CHURN		FLOW		% FLOW	
RPM During Test	3578		666		3562	
Voltage During Test	476 478 480		79 478		475 476	
Amperage During Test	50 51 50	/1 /	3 72	/8	80 79	
RATED NET HEAD	420	1				
SUCTION PRESSURE	120 41		66		26	
DISCHARGE PRESSURE	162		40		<u>26</u> 127	
NET HEAD	121		<del>1</del> 0 04		101	
NET HEAD	121	1	<del>УТ</del>		101	
RATED GPM 10	000					
OUTLET A PITOT	NA	5.	03		750	
OUTLET B PITOT	NA NA		03		750 750	
OUTLET C PITOT	NA NA	3			7.00	
OUTLET D PITOT	NA NA					
OUTLET E PITOT	NA NA					
TOTAL FLOW	0	10	1006		1500	
RATED % OF FLOW			1%		50%	
101125 70 01 1 2011			. , •			



			ESEL BATTEI					
TYPE			ISUAL	FUNCTIO	NAL	COMMI	ENTS	
BATTERY CONDITION			N/A	1 0110110				
/OLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
	EMERGEN	CY COMM	IUNICATION E	EQUIPMENT:ON/	OFF MONITOR	ING		
TYPE	YES	NO	TIME		CO	MMENTS		
ALARM SIGNAL	N/A							
ALARM RESTORAL	N/A							
TROUBLE SIGNAL	N/A							
TROUBLE RESTORAL	N/A							
SUPERVISORY SIGNAL	X							
SUPERVISORY RESTORAL	X							
			TIONS THAT	TESTING IS CON	IPLETE	1		
TYPE		YES		WHO			TIME	
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	ED / DAVID				3:30PM	
MONITORING ENTITY		X	CAMPUS SI	ECURITY			3:30PM	
	AIRMENTS							
AHJ (NOTIFIED) OF ANY IMPA								
AHJ (NOTIFIED) OF ANY IMPA	ING WAS PE			DANCE WITH AP				
AHJ (NOTIFIED) OF ANY IMPA THIS TEST	ING WAS PE	OR'S CO	OMMENTS	DANCE WITH AP			i	
AHJ (NOTIFIED) OF ANY IMPA THIS TEST	ING WAS PE	OR'S CO	OMMENTS					
PUMP OPERATED PROPE	ING WAS PE NSPECTO RLY AT TIM	OR'S CO	OMMENTS					
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  I PUMP OPERATED PROPE  NO DRAIN ON TEST HEAD	ING WAS PE NSPECTO RLY AT TIM ER	DR'S CO	OMMENTS ST	AND RECO	MMENDATI	ONS		
THIS TEST  PUMP OPERATED PROPE  NO DRAIN ON TEST HEAD	ING WAS PE NSPECTO RLY AT TIM ER	DR'S CO	OMMENTS ST	AND RECO	MMENDATI	ONS		
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  I PUMP OPERATED PROPE  NO DRAIN ON TEST HEAD	ING WAS PE NSPECTO RLY AT TIM ER	DR'S CO	OMMENTS ST	AND RECO	MMENDATI	ONS		
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  I PUMP OPERATED PROPE  NO DRAIN ON TEST HEAD	ING WAS PE NSPECTO RLY AT TIM ER	DR'S CO	OMMENTS ST	AND RECO	MMENDATI	ONS		
THIS TEST  PUMP OPERATED PROPE  NO DRAIN ON TEST HEAD	ING WAS PE NSPECTO RLY AT TIM ER	DR'S CO	OMMENTS ST	AND RECO	MMENDATI	ONS		
THIS TEST  THIS TEST  PUMP OPERATED PROPEI  NO DRAIN ON TEST HEAD  ANNUNCIATOR FOR THE F	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP	DR'S CO	OMMENTS ST	AND RECO	T TIED TO CC	ONS		
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  I PUMP OPERATED PROPEI NO DRAIN ON TEST HEAD ANNUNCIATOR FOR THE F	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP	DR'S CO	OMMENTS ST	AND RECO	MMENDATI	ONS	3:00 PM	
THIS TEST  THIS TEST  PUMP OPERATED PROPEI  NO DRAIN ON TEST HEAD  ANNUNCIATOR FOR THE F	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP	DR'S CO	OMMENTS ST	AND RECO	T TIED TO CC	ONS		
THIS TEST  THIS TEST  PUMP OPERATED PROPEI  NO DRAIN ON TEST HEAD  ANNUNCIATOR FOR THE F	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP	DR'S CO	OMMENTS ST	DATE	T TIED TO CC	ONS		
THIS TEST  THIS TEST  PUMP OPERATED PROPE  NO DRAIN ON TEST HEAD  ANNUNCIATOR FOR THE F  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP	DR'S CO	OMMENTS ST	DATE	T TIED TO CC	ONS		
THIS TEST  I PUMP OPERATED PROPE NO DRAIN ON TEST HEAD ANNUNCIATOR FOR THE F  SYSTEM RESTORED TO NOR NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	ING WAS PENSPECTORLY AT TIMER FIRE PUMP	DR'S CO	OMMENTS ST	DATE  JASON JOHNS	T TIED TO CO	ONS		
THIS TEST  I PUMP OPERATED PROPE NO DRAIN ON TEST HEAD ANNUNCIATOR FOR THE F  SYSTEM RESTORED TO NOR NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	ING WAS PENSPECTORLY AT TIMER FIRE PUMP	DR'S CO	OMMENTS ST	DATE	T TIED TO CO	ONS		
THIS TEST  I PUMP OPERATED PROPEI NO DRAIN ON TEST HEAD ANNUNCIATOR FOR THE F  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP	DR'S CO E OF TE	DMMENTS ST D ON LOAD	DATE  JASON JOHNS	T TIED TO CO	ONS		
THIS TEST  I PUMP OPERATED PROPEINO DRAIN ON TEST HEAD ANNUNCIATOR FOR THE F  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP	DR'S CO E OF TE	DMMENTS ST D ON LOAD	DATE  JASON JOHNS	T TIED TO CO	ONS		
THIS TEST  I PUMP OPERATED PROPE NO DRAIN ON TEST HEAD ANNUNCIATOR FOR THE F  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP EMAL OPERA	LOCATE  ATION	DMMENTS ST  D ON LOAD	DAVID KUFFN	T TIED TO CC 5/30/12 STON	ONS ONTROLLER TIME		
THIS TEST  I PUMP OPERATED PROPEI NO DRAIN ON TEST HEAD ANNUNCIATOR FOR THE F  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE SIGNATURE OF PROPERTY OF	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP EMAL OPERA ENTATIVE DWNER/REP	LOCATE ATION  RESENTA	DMMENTS ST  D ON LOAD	DAVID KUFFN	TTIED TO CO  5/30/12  STON  ER	ONS  ONTROLLER  TIME  or No YES		
THIS TEST  I PUMP OPERATED PROPE NO DRAIN ON TEST HEAD ANNUNCIATOR FOR THE F  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE SIGNATURE OF PROPERTY OF	ING WAS PE NSPECTO RLY AT TIM ER FIRE PUMP EMAL OPERA ENTATIVE DWNER/REP with occupa	LOCATE  ATION  RESENTA  ancy & si s been co	DMMENTS ST  D ON LOAD	DATE  JASON JOHNS  DAVID KUFFN  odity?	5/30/12 STON ER Yes Yes	ONS ONTROLLER TIME		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:		]	76	01 Martindale Ave 46 S. Sprinkle Rd	., Portage M	I .		
	5/29/2012 6:30am				33 S. Champagne 221 Beck Rd., Su			
ARRIVAL TIME:					50 Arbor Tech Dr.			
WORK ORDER NUMBER:	244894 & 24488	6						
SERVICE ORGANIZATI	ION (CORPORAT	E)	]	PROPERTY	NAME			
Vanguard Fire & Security	у			Name:	WAYNE STATE	- SCHAVER	MUSIC - 038	3
2101 Martindale Ave. SV	N			Address:	5451 CASS			
Grand Rapids, MI 49509	)			DETROIT, N	/II 48202			
,				,				
Technician:	JASON JOHNST	ΓΟΝ		Owner Cont	act:	CARL / DAV	ID KUFFNEF	₹
				Telephone:		(313) 684-0	847	
Telephone:	800-444-8719			Approving A	gency:	DETROIT F	IRE DEPA	RTMENT
			PRIOR TO	O ANY TEST	ING			
NOTIFICATIONS	,	YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT	Γ	X	(313)	684-0847	CARL / DAVID KU	JFFNER		10:00AM
MONITORING ENTITY		Χ			CAMPUS SECUR	ITY		
2ND MONITORING ENTIT								
AHJ (NOTIFIED) OF IMPA	IRMENTS							
			SVSTEM	INFORMATIO	NI			
GENERAL INFORMATION	N (GI)		OTOTEN	THE ORIGINATIO	714	YES	NO	N/A
Is the building occu	· ·					X		
2. Is the building fully							Χ	
3. System(s) in service		tion sind	ce the last i	nspection?		X		
4. Spare heads and he							Χ	
<ol><li>Stock/Storage a min</li></ol>						X		
6. Are all gauges in go		•	ration, and	showing norr	nal pressures?	X		
<ol><li>Wet system areas a</li></ol>	are adequately hea	ated?				X		



AL'	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<u>2.</u> 3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.		^		V
7.	Valves lubricated?			X
DD	INIVI ED & DIDING INFORMATION (CI)	VEC	NO	NI/A
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		, ,
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)		X	
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Ale Backlow Fleveliters / Check Valves present (ii yes, complete Table 3)	^		
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	NO	IN/A
<u>.                                    </u>				
<u>2.                                    </u>	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
ł	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
3.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			Х
	Were low points drained during fall & winter inspections?			X
ļ.				X
	Are accelerator(s) in good condition?			
5.	Are accelerator(s) in good condition?  All dry valves have been trip tested & OK (See Table 3)			
1. 5. 6. 7.	Are accelerator(s) in good condition?  All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?			X



T	ABLE 1		AN	TI-FREEZE	LOOP					
	No.	Location o	f Loop				No. of Heads	Type of	Backflow	Temp
		N/A	•							-
		1								
T	ABLE 2		M	AIN DRAIN	TEST .					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual I	Pressure (PSI)				
	1.	2	45	5						
	2.									
	3.									
	4.									
T.	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.		ļ								
3.								1		
Loca	ation of D	rum Drains	<u> </u>					Tested?	Yes	No
1.										
2.										
3.										
4.										
_		T								
Τ.	ABLE 4	<u> </u>	CONTROL	_ VALVE INI	FORMATION	<b>1</b> 1		ı	1	ı
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
	MAIN (OS		YES	YES	YES	YES	N/A	N/A	YES	YES
7		AL (OS&Y)	YES	YES	YES	YES	YES	N/A	YES	YES
_	ELEVATOR (		YES	YES	YES	YES	N/A	N/A	YES	YES
-	ELEVATOR	(BBALL)	TLO	ILO	ILO	TLO	IN/A	11/7	TES	TES
						<del>                                     </del>			1	
т	ABLE 5	R	ACKFLOW/C	HECK VALV	F INFORMA	ATION				
No.		RPOSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	LOCA	ATION
1.		OR CHECK	HERSEY	DCU	6	1985	2010		BAND BASEM	
2.		ECK BYPASS	HAMMOND	SWING	3/4"	1985	2010		BAND BASEM	
3.	MAIN		GEM	F-2001	6"	1985	2010		BAND BASEM	
4.	FDC		GLOBE	CU-1	4"	1986	2010		BAND BASEM	
<del>5</del> .	. 20		CLOBE	30 1		1000	2010		J. I. ID DAOLIVI	
6.									1	
									1	
7.					<u> </u>				<u> </u>	



	(	ON / OFF PRI	EMISES MON	ITORING		
TYPE	YES	NO	TIME	COM	IMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
	_	CATIONS TH	AT TESTING	IS COMPLETE		
TYPE	YES			WHO		ТІМЕ
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X		VID KUFFNEF	२		00 PM
MONITORING ENTITY	X	CAMPUS S	SECURITY		4:	00 PM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
				ITH APPLICABLE NFPA STA	NDARDS	
INSPE	CTOR'S	COMMEN	ITS AND R	RECOMMENDATIONS		
MISSING 16 TOTAL RASCO SEMI-RECESSI	ED CHROME	<b>ESCUTCHEON</b>	NS FOR BOTH I	KITCHENS OF MCGREGOR (SAN	IPLE TAKEN)	
NO WRENCH IN SPARE HEAD BOX						
ALL SIGNALS RECEIVED AND RESET						
DID NOT RUN MAIN DRAIN DUE TO FLOOD	ING OF THE	ROOM				
NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO	ORTH ENTRY	OF SCHAVER	R BAND BUILDIN	NG		
(1) BSMT ELECTRICAL ROOM BY KITCHEN	(REAR OF R	OOM)				
SYSTEM RESTORED TO NORMAL OPERATION				F/00/40		0.00514
SYSTEM RESTORED TO NORMAL OP	ERATION		DATE	5/29/12	TIME	2:00PM
SYSTEM RESTORED TO NORMAL OP	ERATION		DATE JASON JOH	<b>-</b>	TIME	2:00PM
NAME OF INSPECTOR	ERATION			<b>-</b>	TIME	2:00PM
	ERATION			<b>-</b>	TIME	2:00PM
NAME OF INSPECTOR		<u> </u>		INSTON	TIME	2:00PM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE	SENTATIVE		JASON JOH	INSTON	TIME	2:00PM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F	SENTATIVE	TATIVE	JASON JOH	INSTON	TIME	2:00PM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F	SENTATIVE	TATIVE	JASON JOH	FNER  Yes or No YES	TIME	2:00PM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F	SENTATIVE REPRESENT cupancy & c ons been d	Stored com	JASON JOH  DAVID KUFF	INSTON	TIME	2:00PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZAT  Vanguard Fire & Secur	,		]	X	7646 1633 2823 1056	WAYNE STATE	., Portage Me Dr, Sagina ite A-9, Wixe Suite F, He	II w MI om MI ebron KY	
2101 Martindale Ave. S	SW			Address:	,	450 REUTHER I	MALL		
Grand Rapids, MI 4950	9			DETROIT	, MI	48202			
	_		_						
Technician:	JASON JOHN	STON		Owner Co	ntac	ot:	CARL / DEA	N / DAVID K	UFFNER
				Telephone	e:		(313) 684-0	0847	
Telephone:	800-444-8719			Approving	Age	ency:	DETROIT I	FIRE DEPAI	RTMENT
			PRIOR TO	O ANY TES	STIN	IG			
NOTIFICATIONS		YES		NUMBERS			WHO		TIME
BUILDING OCCUPANTS									
BUILDING MANAGEMEN	NT	X	(313)	684-0847		CARL / DEAN / DA		ER	9:30AM
MONITORING ENTITY 2ND MONITORING ENTI	TV	X				CAMPUS SECUR	HY		
AHJ (NOTIFIED) OF IMP									
Alia (NOTII IED) OF IMIT	AIRWENTO								
			SYSTEM	INFORMAT	TION	I			
GENERAL INFORMATIO	N (GI)						YES	NO	N/A
<ol> <li>Is the building occ</li> </ol>							X		
<ol><li>Is the building fully</li></ol>								X	
<ol><li>System(s) in servi</li></ol>							X		
4. Spare heads and l								X	
<ol><li>Stock/Storage a m</li></ol>							X		
6. Are all gauges in g			oration, and	showing no	orma	al pressures?	X		
<ol><li>7. Wet system areas</li></ol>	are adequately h	eated?					X		



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
<u>/.</u>	valves lubilicateu?			
· DD	INVI ED 9 DIDING INFORMATION (SI)	YES	NO	N/A
	INKLER & PIPING INFORMATION (SI)	X	NO	IN/A
	Are all sprinkler heads unobstructed?			
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?		X	
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
12.	Are Relief Valves on gridded system OK?			X
13.	Fire Department Connection (FDC) & Caps OK?			X
14.	FDC equipped with ball drip? (if yes, in good working order?)			X
15.	Was Main Drain Test performed? (See Table 2)		Χ	
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X	-	
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?			Х
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
<del>5.</del> 5.	Is alarm valve trim OK & set properly?	<del>                                     </del>		X
3. 3.	No leakage from retard chambers or alarm drains?	+		X
7.	Was Inspector Test performed and results OK?	X		^
<i>'</i> .	was inspector rest performed and results OK:	^		
DP V	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?	IES	INU	
1.		+		X
<u>2.</u>	Pressure & priming water OK?	_		X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
	All dry valves have been trip tested & OK (See Table 3)			X
o.				
6. 7.	Dry pipe valves are in heated area? Was customer informed that they need to drain all drum drips on a monthly basis?			X



T	ABLE 1	l	ΔΝ	TI-FREEZE	LOOP					
- "	No.	Location o		III I I I I I I I I I I I I I I I I I		I	No. of Heads	Type of	f Backflow	Temp
		N/A	оор				1101 01 110440	. , , , ,		
		14/74								
т	ABLE 2		M	AIN DRAIN	TEST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1.	2	45		Rooidaari	1000010 (1 01)				
	2.	_								
	3.	ITV	LOCATE	INSIDE	RO	OM 20				
	4.		200/1122	, ittoide		- CIII 20				
	••									
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve			- · - · - · · ·	<del></del>	Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A	-		•				İ	
2.									İ	
3.									İ	
Loc	ation of D	rum Drain	s					Tested?	Yes	No
1.	IT IN RM 2	263 PRINTIN	IG RM DEVEL	OPING SINI	K AREA				X	
2.										
3.	IT BSMT I	NSIDE RM 2	20 STORAGE	AREA					X	
4.										
Т	ABLE 4		CONTRO	L VALVE INI	FORMATION	l .				
<b>0</b> 1	<b>T</b>	- <b>6</b>	A !!- ! -	0:	0	0	011	Lasterd	0	Tamper
Qty		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked		Operationa
1	MAIN (OS	(& Y )	YES	YES	YES	NO	NO	NO	N/A	N/A
									+	
									+	
						<del>                                     </del>			+	<del>                                     </del>
						TION				
т	ARIE 5	T 6	ACKEL OWIC	HECK VALV	L INEUDIVIV					
	ABLE 5		ACKFLOW/C				I AST INISDI	FCTED	100	ATION
No.	PUR	BPOSE	MFG	MODEL	SIZE	YEAR	LAST INSPI			ATION
No. 1.	PUR MAIN		MFG VIKING		SIZE 4"		2012		RM 47	
No. 1. 2.	PUR		MFG		SIZE	YEAR			RM 47 UNABLE TO C	HECK DUE
No. 1. 2. 3.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C TO ASBESTO	HECK DUE
No. 1. 2. 3. 4.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C	HECK DUE
No. 1. 2. 3. 4. 5.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C TO ASBESTO	HECK DUE
No. 1. 2. 3. 4. 5.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C TO ASBESTO	HECK DUE
No. 1. 2. 3. 4. 5.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C TO ASBESTO	HECK DUE



PALD MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SE SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE END FLR WOODSHOP PAINT RM/BOOTH, RM 259, RM 263 PRINTING ROOMS  BYSTEM RESTORED TO NORMAL OPERATION  DATE  5/30/12  TIME  NAME OF INSPECTOR								
ALARM RESTORAL  ALARM RESTORAL					TORING			
ALARM RESTORAL  TROUBLE SIGNAL  X  SUPERVISORY SIGNAL  NA  SUPERVISORY SIGNAL  NA  SUPERVISORY SIGNAL  NA  SUPERVISORY RESTORAL  NAMPO SECURITY  NONITORING ENTITY  AND MONITORING ENTITY  AND MONITORING ENTITY  NONITORING			NO	TIME		COMN	IENTS	
IROUBLE SIGNAL  TROUBLE SIGNAL  SUPERVISORY SIGNAL  NA  SUPERVISORY SIGNAL  NA  NOTIFICATIONS THAT TESTING IS COMPLETE  TYPE  VES  WHO  TIME  SUILDING OCCUPANTS  X  SUILDING MANAGEMENT  X  CARL/ DEAN/ DAVID KUFFNER  WONITORING ENTITY  NO MONITORING ENTITY  X CAMPUS SECURITY  SIDNO MONITORING ENTITY  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  LOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SESPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE  SYSTEM RESTORED TO NORMAL OPERATION								
INOUTIFICATIONS THAT TESTING IS COMPLETE  TYPE YES WHO TIME  SULDING OCCUPANTS X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARPUS SECURITY  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  LOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SIGNALER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE 5/30/12 TIME  NAME OF INSPECTOR  UNAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  S System code compilant with occupancy & stored commodity? Yes or No YES  Have the noted deficiencies/violations been authorized for repair? Yes or No NO  Have the deficiencies/violations been authorized for repair? Yes or No NO  Have the deficiencies/violations been authorized for repair? Yes or No NO  Have the deficiencies/violations been authorized for repair? Yes or No NO								
SUPERVISORY SIGNAL NA  NOTIFICATIONS THAT TESTING IS COMPLETE  TYPE YES  WHO TIME  SUILDING OCCUPANTS X SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  WHO TIME  SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  WHO TIME  SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  WHO TIME  SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  WHO TIME  SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  WHO TIME  SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  WHO TIME  SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  WHO TIME  WHO THE  WHO TIME  WHO TIME  WHO THE  HO TH  WHO TH  WHO TH  WHO TH  WHO TH  WHO TH  WHO TH  WHO TH  WHO TH								
NOTIFICATIONS THAT TESTING IS COMPLETE  TYPE YES WHO TIME  SUILDING OCCUPANTS X  SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CAMPUS SECURITY  EVEN MONITORING ENTITY X CAMPUS SECURITY  AND INTORING ENTITY X CAMPUS SECURITY  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SE SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION DATE 5/30/12 TIME  NAME OF INSPECTOR JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIGNATURE OF PROPERTY OWN								
NOTIFICATIONS THAT TESTING IS COMPLETE  TYPE YES WHO TIME  BUILDING OCCUPANTS X BUILDING OCCUPANTS X BUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CAMPUS SECURITY  PART (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  BE SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  PAND FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE 5/30/12 TIME  NAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SHAVE the noted deficiencies/violations been authorized for repair?  Yes or No  YES  Have the deficiencies/violations been authorized for repair?  Yes or No  YES			+					
TYPE YES WHO TIME  BUILDING OCCUPANTS X  BUILDING OCCUPANTS X  BUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CAMPUS SECURITY  PAND MONITORING ENTITY X CAMPUS SECURITY  RAHJ (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  BOS SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  REND FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE 5/30/12 TIME  NAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  S	SUPERVISORT RESTORAL	INA						
TYPE YES WHO TIME  BUILDING OCCUPANTS X  BUILDING OCCUPANTS X  BUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CAMPUS SECURITY  PAND MONITORING ENTITY X CAMPUS SECURITY  RAHJ (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  BOS SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  REND FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE 5/30/12 TIME  NAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  S		NOTIFI	CATIONS TI	HAT TESTING	S COMPLETE			
BUILDING OCCUPANTS X BUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER MONITORING ENTITY X CAMPUS SECURITY  AND MONITORING ENTITY X CAMPUS SECURITY  AND MONITORING ENTITY X CAMPUS SECURITY  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SE SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE END FLR WOODSHOP PAINT RWBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE  SYSTEM RESTORED TO NOR	TYPE			IAT ILOTINO			TIM	F
BUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER MONITORING ENTITY X CAMPUS SECURITY  AND MONITORING ENTITY   X CAMPUS SECURITY  AND MONITORING ENTITY   X CAMPUS SECURITY  AND MONITORING ENTITY   X CAMPUS SECURITY  AND MONITORING ENTITY   X CAMPUS SECURITY   X CAMPUS SECURITY  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SIGNATURE HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE END FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION DATE 5/30/12 TIME  NAME OF INSPECTOR JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SI System code compliant with occupancy & stored commodity? Yes or No YES Have the noted deficiencies/violations been authorized for repair? Yes or No YES  Have the deficiencies/violations been authorized for repair? Yes or No YES			1		******			_
MONITORING ENTITY  AND MONITORING ENTITY  AND MONITORING ENTITY  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  S6 SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  JUMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RM/BOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE  SYSTEM RESTORED TO NORMAL OPERATION  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIS SYSTEM CODE compliant with occupancy & stored commodity?  YES OR NO  YES  Have the noted deficiencies/violations been corrected?  Yes or No  YES  YES OR NO  YES			CARL/ DE	AN / DAVID KU	FFNFR			
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Ses Sprinkler Heads 1/2 upright and pendant over 50 years old  Limited Coverage: Basement Storage RMS, art RM 063, ceramics Storage RM 60.6, 2ND FLR WOOD SHOP STORAGE  2ND FLR WOODSHOP PAINT RM/BOOTH, RM 259, RM 263 PRINTING ROOMS  System restored to Normal Operation  Date  5/30/12  Time  NAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity?  Yes or No  YES  Have the noted deficiencies/violations been authorized for repair?  Yes or No  YES								
NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity?  Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES		•	•		- KW 66.6, 2ND 1 EK	Week and	01010102	
NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity? Yes or No YES  Have the noted deficiencies/violations been corrected? Yes or No NO  Have the deficiencies/violations been authorized for repair? Yes or No YES	SYSTEM RESTORED TO NORMAL O	PERATION		DATE	5/30/	12	TIME	
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity?  Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No YES  Yes or No YES	NAME OF INSPECTOR			JASON JOH	ISTON			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity?  Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES	INSPECTOR'S SIGNATURE							
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Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES	SIGNATURE OF PROPERTY OWNER	R/REPRESENT	TATIVE					
Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES	Is system code compliant with o	ccupancy &	stored com	modity?	Yes or No	IVES		
Have the deficiencies/violations been authorized for repair?  Yes or No  YES				iiioaity :				
				air?				
		Doon aumon	Eca ioi iep	un i	10301110	1 20		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA  Vanguard Fire & Secu	TION (CORPOR	RATE)		X 1	646 S. Sprinkle Ro 633 S. Champagn 8221 Beck Rd., So 050 Arbor Tech D	d., Portage M le Dr, Sagina uite A-9, Wix r. Suite F, He	II w MI om MI ebron KY	
2101 Martindale Ave.	SW			Address:	5400 GULLEN	MALL		
Grand Rapids, MI 495	09			DETROIT,	•			
•			_	·				
Technician:	JASON JOH	NSTON		Owner Con	tact:	CARL / DEA	N / DAVID K	UFFNER
				Telephone:		(313) 684-0	0847	
Telephone:	800-444-871	9		Approving A	Agency:	DETROIT I	FIRE DEPA	RTMENT
			PRIOR TO	ANY TEST	ΓING			
NOTIFICATIONS		YES	PHONE	NUMBERS		WHO		TIME
BUILDING OCCUPANTS			(2.12)		0.5. (55			
BUILDING MANAGEME	NI	X	(313)	684-0847	CARL / DEAN / DE		ER	9:30AM
MONITORING ENTITY 2ND MONITORING ENT	TITV	Х			CAMPUS SECU	KIIY		
AHJ (NOTIFIED) OF IMP								
			_					•
			SYSTEM	INFORMATI	ON	_		
GENERAL INFORMATION						YES	NO	N/A
Is the building oc		<u>i?</u>				X	.,	
2. Is the building ful	7 1	f: - +!!-					X	
3. System(s) in serv						X	V	
<ol> <li>Spare heads and</li> <li>Stock/Storage a result.</li> </ol>					s in place?	X	X	
6. Are all gauges in						X		1
7. Wet system area	•		oranori, ariu	SHOWING HUI	mai piessuies!	X		
Trocogocom area	- a. o adoquatory							



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
<u>/.</u>	valves lubilicateu?			
· DD	INVI ED 9 DIDING INFORMATION (SI)	YES	NO	N/A
	INKLER & PIPING INFORMATION (SI)	X	NO	IN/A
	Are all sprinkler heads unobstructed?			
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?		X	
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
12.	Are Relief Valves on gridded system OK?			X
13.	Fire Department Connection (FDC) & Caps OK?			X
14.	FDC equipped with ball drip? (if yes, in good working order?)			X
15.	Was Main Drain Test performed? (See Table 2)		Χ	
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X	-	
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?			Х
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
<del>5.</del> 5.	Is alarm valve trim OK & set properly?	<del>                                     </del>		X
3. 3.	No leakage from retard chambers or alarm drains?	+		X
7.	Was Inspector Test performed and results OK?	X		^
<i>'</i> .	was inspector rest performed and results OK:	^		
DP V	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?	IES	INU	
1.		+		X
<u>2.</u>	Pressure & priming water OK?	_		X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
	All dry valves have been trip tested & OK (See Table 3)			X
o.				
6. 7.	Dry pipe valves are in heated area? Was customer informed that they need to drain all drum drips on a monthly basis?			X



T	ABLE 1	l	ΔΝ	TI-FREEZE	LOOP					
- "	No.	Location o		III I I I I I I I I I I I I I I I I I		I	No. of Heads	Type of	f Backflow	Temp
		N/A	оор				1101 01 110440	. , , , ,		
		14/74								
т	ABLE 2		M	AIN DRAIN	TEST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1.	2	45		Rooidaari	1000010 (1 01)				
	2.	_								
	3.	ITV	LOCATE	INSIDE	RO	OM 20				
	4.		200/1122	, ittoide		- CIII 20				
	••									
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve			- · - · - · · ·	<del></del>	Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A	-		•				İ	
2.									İ	
3.									İ	
Loc	ation of D	rum Drain	s					Tested?	Yes	No
1.	IT IN RM 2	263 PRINTIN	IG RM DEVEL	OPING SINI	K AREA				X	
2.										
3.	IT BSMT I	NSIDE RM 2	20 STORAGE	AREA					X	
4.										
Т	ABLE 4		CONTRO	L VALVE INI	FORMATION	l .				
<b>0</b> 1	<b>T</b>	- <b>6</b>	A !!- ! -	0:	0	0	011	Lasterd	0	Tamper
Qty		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked		Operationa
1	MAIN (OS	(& Y )	YES	YES	YES	NO	NO	NO	N/A	N/A
									+	
									+	
						<del>                                     </del>			+	<del>                                     </del>
						TION				
т	ARIE 5	T 6	ACKEL OWIC	HECK VALV	L INEUDIVIV					
	ABLE 5		ACKFLOW/C				I AST INISDI	FCTED	100	ATION
No.	PUR	BPOSE	MFG	MODEL	SIZE	YEAR	LAST INSPI			ATION
No. 1.	PUR MAIN		MFG VIKING		SIZE 4"		2012		RM 47	
No. 1. 2.	PUR		MFG		SIZE	YEAR			RM 47 UNABLE TO C	HECK DUE
No. 1. 2. 3.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C TO ASBESTO	HECK DUE
No. 1. 2. 3. 4.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C	HECK DUE
No. 1. 2. 3. 4. 5.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C TO ASBESTO	HECK DUE
No. 1. 2. 3. 4. 5.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C TO ASBESTO	HECK DUE
No. 1. 2. 3. 4. 5.	PUR MAIN		MFG VIKING		SIZE 4"	YEAR	2012		RM 47 UNABLE TO C TO ASBESTO	HECK DUE



PALD MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SE SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE END FLR WOODSHOP PAINT RM/BOOTH, RM 259, RM 263 PRINTING ROOMS  BYSTEM RESTORED TO NORMAL OPERATION  DATE  5/30/12  TIME  NAME OF INSPECTOR								
ALARM RESTORAL  ALARM RESTORAL					TORING			
ALARM RESTORAL  TROUBLE SIGNAL  X  SUPERVISORY SIGNAL  NA  SUPERVISORY SIGNAL  NA  SUPERVISORY SIGNAL  NA  SUPERVISORY RESTORAL  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY  NA  SUPERVISORY			NO	TIME		COMN	IENTS	
IROUBLE SIGNAL  TROUBLE SIGNAL  SUPERVISORY SIGNAL  NA  SUPERVISORY SIGNAL  NA  NOTIFICATIONS THAT TESTING IS COMPLETE  TYPE  VES  WHO  TIME  SUILDING OCCUPANTS  X  SUILDING MANAGEMENT  X  CARL/ DEAN/ DAVID KUFFNER  WONITORING ENTITY  NO MONITORING ENTITY  X CAMPUS SECURITY  SIDNO MONITORING ENTITY  NAU (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  LOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SESPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE  SYSTEM								
INOUTIFICATIONS THAT TESTING IS COMPLETE  TYPE YES WHO TIME  SULDING OCCUPANTS X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CARPUS SECURITY  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  LOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SIGNALER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE 5/30/12 TIME  NAME OF INSPECTOR  UNAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  S System code compilant with occupancy & stored commodity? Yes or No YES  Have the noted deficiencies/violations been authorized for repair? Yes or No NO  Have the deficiencies/violations been authorized for repair? Yes or No NO  Have the deficiencies/violations been authorized for repair? Yes or No NO  Have the deficiencies/violations been authorized for repair? Yes or No NO								
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NOTIFICATIONS THAT TESTING IS COMPLETE  TYPE YES WHO TIME  SUILDING OCCUPANTS X  SUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CAMPUS SECURITY  EVEN MONITORING ENTITY X CAMPUS SECURITY  AND INTORING ENTITY X CAMPUS SECURITY  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SE SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION DATE 5/30/12 TIME  NAME OF INSPECTOR JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIGNATURE OF PROPERTY OWN								
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TYPE YES WHO TIME  BUILDING OCCUPANTS X  BUILDING OCCUPANTS X  BUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CAMPUS SECURITY  PAND MONITORING ENTITY X CAMPUS SECURITY  RAHJ (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  BOS SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  REND FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE 5/30/12 TIME  NAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  S	SUPERVISORT RESTORAL	INA						
TYPE YES WHO TIME  BUILDING OCCUPANTS X  BUILDING OCCUPANTS X  BUILDING MANAGEMENT X CARL/ DEAN / DAVID KUFFNER  MONITORING ENTITY X CAMPUS SECURITY  PAND MONITORING ENTITY X CAMPUS SECURITY  RAHJ (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  BOS SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  REND FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE 5/30/12 TIME  NAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  S		NOTIFI	CATIONS TI	HAT TESTING	S COMPLETE			
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AND MONITORING ENTITY  AHJ (NOTIFIED) OF IMPAIRMENTS  THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS  INSPECTOR'S COMMENTS AND RECOMMENDATIONS  FLOW SIGNAL RECEIVED AND RESET DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SIGNAL RECEIVED AND RESET DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SIGNAL RECEIVED AND RESET DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SIGNATURE HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RWBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE  SYSTEM RESTORED TO NORMAL OPERATION  DATE  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIGNATURE COMPILIANT WITH OCCUPANCY & STORAGE RMS ON THE STANDARD OF	MONITORING ENTITY							
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ELOW SIGNAL RECEIVED AND RESET  DID NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  36 SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RMBOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE  SYSTEM RESTORED TO NORMAL OPERATION  NAME OF INSPECTOR  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIS system code compliant with occupancy & stored commodity?  Yes or No  YES  Have the noted deficiencies/violations been authorized for repair?  Yes or No  YES  Have the deficiencies/violations been authorized for repair?  Yes or No  YES							-	
SOUR NOT DO MAIN DRAIN AS ROOM WOULD FLOOD  SO SPRINKLER HEADS 1/2 UPRIGHT AND PENDANT OVER 50 YEARS OLD  LIMITED COVERAGE: BASEMENT STORAGE RMS, ART RM 063, CERAMICS STORAGE RM 60.6, 2ND FLR WOOD SHOP STORAGE  END FLR WOODSHOP PAINT RM/BOOTH, RM 259, RM 263 PRINTING ROOMS  SYSTEM RESTORED TO NORMAL OPERATION  DATE  SYSTEM RESTORED TO NORMAL OPERATION  DATE  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  SIS system code compliant with occupancy & stored commodity?  Yes or No Have the deficiencies/violations been authorized for repair?  Yes or No  YES  Have the deficiencies/violations been authorized for repair?  Yes or No  YES			<u> </u>	110711211				
Ses Sprinkler Heads 1/2 upright and pendant over 50 years old  Limited Coverage: Basement Storage RMS, art RM 063, ceramics Storage RM 60.6, 2ND FLR WOOD SHOP STORAGE  2ND FLR WOODSHOP PAINT RM/BOOTH, RM 259, RM 263 PRINTING ROOMS  System Restored to Normal Operation  Date  5/30/12  Time  NAME OF INSPECTOR  JASON JOHNSTON  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity?  Yes or No  YES  Have the noted deficiencies/violations been authorized for repair?  Yes or No  YES								
NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity?  Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES		•	•		- KW 66.6, 2ND 1 EK	Weep dried	01010102	
NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESENTATIVE  DAVID KUFFNER  SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity? Yes or No YES  Have the noted deficiencies/violations been corrected? Yes or No NO  Have the deficiencies/violations been authorized for repair? Yes or No YES	SYSTEM RESTORED TO NORMAL O	PERATION		DATE	5/30/	12	TIME	
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity?  Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No YES  Yes or No YES	NAME OF INSPECTOR			JASON JOH	JOHNSTON			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE  Is system code compliant with occupancy & stored commodity?  Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES	INSPECTOR'S SIGNATURE							
s system code compliant with occupancy & stored commodity?  Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES	NAME OF PROPERTY OWNER/REP	RESENTATIVE	<u> </u>	DAVID KUFF	NER			
Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES	SIGNATURE OF PROPERTY OWNER	R/REPRESENT	TATIVE					
Have the noted deficiencies/violations been corrected?  Have the deficiencies/violations been authorized for repair?  Yes or No  YES	Is system code compliant with o	ccupancy &	stored com	modity?	Yes or No	IVES		
Have the deficiencies/violations been authorized for repair?  Yes or No  YES				iiioaity :				
				air?				
		Doon aumon	Eca ioi iep	un i	10301110	1 20		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA  Vanguard Fire & Secur 2101 Martindale Ave. S	rity		]	X 2	7646 S 1633 S 28221 I 1050 A	S FERRY MA	., Portage Me Dr, Sagina ite A-9, Wixe Suite F, He	II w MI om MI ebron KY	
Grand Rapids, MI 4950	09			DETROIT,	MI 482	202			
Technician:	JASON JOHN	ISTON		Owner Co			CARL / DAV (313) 684-0	ID KUFFNEF	₹
Telephone:	800-444-8719			Approving	Agenc	y:	DETROIT F	FIRE DEPA	RTMENT
			PRIOR TO	ANY TES	TING				
NOTIFICATIONS		YES		NUMBERS			WHO		TIME
BUILDING OCCUPANTS			(0.4.0)	004.0047	0.41	DL / D A \ // D   //	IEENED		40.00414
BUILDING MANAGEMEN MONITORING ENTITY	NI	X	(313)	684-0847		RL / DAVID KU MPUS SECUR			10:00AM
2ND MONITORING ENT	TITY	Λ			0/11	VII 00 02 001	<u> </u>		
AHJ (NOTIFIED) OF IMP	PAIRMENTS								
CENEDAL INCORMATIO	ON (CI)		SYSTEM	INFORMAT	ION		YES	NO	N/A
<ul><li>GENERAL INFORMATION</li><li>1. Is the building occ</li></ul>		1					X	NO	IN/A
Is the building full								X	
3. System(s) in servi							X		
4. Spare heads and								X	
5. Stock/Storage a n							X		
6. Are all gauges in	· .		oration, and	showing no	ormal p	ressures?	X		
7. Wet system areas	s are adequately h	neated?					X		



AL'	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<u>2.</u> 3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.		^		V
7.	Valves lubricated?			X
DD	INIVI ED & DIDING INFORMATION (CI)	VEC	NO	NI/A
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		, ,
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)		X	
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Ale Backlow Fleveliters / Check Valves present (ii yes, complete Table 3)	^		
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	NO	IN/A
<u>.                                    </u>				
<u>2.                                    </u>	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
ł	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
3.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
ļ.				X
	Are accelerator(s) in good condition?			
5.	Are accelerator(s) in good condition?  All dry valves have been trip tested & OK (See Table 3)			
1. 5. 6.	Are accelerator(s) in good condition?  All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?			X



T	ABLE 1		AN	TI-FREEZE	LOOP					
	No.	Location o	f Loop				No. of Heads	Type of	Backflow	Temp
		N/A	•							-
		1								
T	ABLE 2		M	AIN DRAIN	TEST .					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual I	Pressure (PSI)				
	1.	2	45	5						
	2.									
	3.									
	4.									
T.	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.		ļ								
3.								1		
Loca	ation of D	rum Drains	<u> </u>					Tested?	Yes	No
1.										
2.										
3.										
4.										
_		T								
Τ.	ABLE 4	<u> </u>	CONTROL	_ VALVE INI	FORMATION	<b>1</b> 1		ı	1	ı
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
	MAIN (OS		YES	YES	YES	YES	N/A	N/A	YES	YES
7		AL (OS&Y)	YES	YES	YES	YES	YES	N/A	YES	YES
_	ELEVATOR (		YES	YES	YES	YES	N/A	N/A	YES	YES
-	ELEVATOR	(BBALL)	TLO	ILO	ILO	TLO	IN/A	11/7	TES	TES
						<del>                                     </del>			1	
т	ABLE 5	R	ACKFLOW/C	HECK VALV	F INFORMA	ATION				
No.		RPOSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	LOCA	ATION
1.		OR CHECK	HERSEY	DCU	6	1985	2010		BAND BASEM	
2.		ECK BYPASS	HAMMOND	SWING	3/4"	1985	2010		BAND BASEM	
3.	MAIN		GEM	F-2001	6"	1985	2010		BAND BASEM	
4.	FDC		GLOBE	CU-1	4"	1986	2010		BAND BASEM	
<del>5</del> .	. 20		CLOBE	30 1		1000	2010		J. I. ID DAOLIVI	
6.									1	
									1	
7.					<u> </u>				<u> </u>	



		ON / OFF PRI	EMISES MONIT	ORING		
TYPE	YES	NO	TIME		COMMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
FROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
	NOTIFI	CATIONS TH	IAT TESTING I	S COMPLETE		
ГҮРЕ	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X		VID KUFFNER			4:00 PM
MONITORING ENTITY	X	CAMPUS S	SECURITY			4:00 PM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
				TH APPLICABLE NFP		
INSPE	CTOR'S	COMMEN	ITS AND RI	ECOMMENDATIO	DNS	
IISSING 16 TOTAL RASCO SEMI-RECESSE	ED CHROME	<b>ESCUTCHEON</b>	NS FOR BOTH K	ITCHENS OF MCGREGO	R (SAMPLE TAKEN)	
O WRENCH IN SPARE HEAD BOX						
DID NOT RUN MAIN DRAIN DUE TO FLOOD						
ALL SIGNALS RECEIVED AND RESET  DID NOT RUN MAIN DRAIN DUE TO FLOOD  NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO			R BAND BUILDIN	G		
DID NOT RUN MAIN DRAIN DUE TO FLOOD	ORTH ENTRY	OF SCHAVER	R BAND BUILDIN	G		
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO	ORTH ENTRY	OF SCHAVER	R BAND BUILDIN	G		
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO	ORTH ENTRY	OF SCHAVER	R BAND BUILDIN	G		
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO	ORTH ENTRY	OF SCHAVER	R BAND BUILDIN	G		
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO	ORTH ENTRY	OF SCHAVER	R BAND BUILDIN	1		
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN	ORTH ENTRY	OF SCHAVER	R BAND BUILDIN	G 5/29/12	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN  SYSTEM RESTORED TO NORMAL OPI	ORTH ENTRY	OF SCHAVER	DATE	5/29/12	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN  SYSTEM RESTORED TO NORMAL OPI	ORTH ENTRY	OF SCHAVER		5/29/12	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI	ORTH ENTRY	OF SCHAVER	DATE	5/29/12	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI	ORTH ENTRY	OF SCHAVER	DATE	5/29/12	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE	ORTH ENTRY I (REAR OF R ERATION	OF SCHAVER	DATE JASON JOHN	5/29/12 ISTON	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE	ORTH ENTRY I (REAR OF R ERATION	OF SCHAVER	DATE	5/29/12 ISTON	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE	ERATION	OF SCHAVER	DATE JASON JOHN	5/29/12 ISTON	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE	ERATION	OF SCHAVER	DATE JASON JOHN	5/29/12 ISTON	TIME	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE	ERATION  SENTATIVE	OF SCHAVER OOM)  E	DATE  JASON JOHN  DAVID KUFF	5/29/12 ISTON NER	,	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE SIGNATURE OF PROPERTY OWNER/RE IS System code compliant with occ	ERATION  SENTATIVE SUPANCY & :	OF SCHAVER OOM)  E  TATIVE  stored com	DATE  JASON JOHN  DAVID KUFF	5/29/12 ISTON  NER  Yes or No YE	S	2:00PM
DID NOT RUN MAIN DRAIN DUE TO FLOOD NOTE: (2) PANELS: (1) 1ST FLR LOBBY NO 1) BSMT ELECTRICAL ROOM BY KITCHEN SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE	ERATION  ESENTATIVE  Supancy & sons been constitutions	COF SCHAVER OOM)  FATIVE  stored com corrected?	DATE  JASON JOHN  DAVID KUFF  modity?	5/29/12 ISTON NER	:S	2:00PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Manathalis	
Monthly	$\vdash$
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	6/1/2012 7:00 AM 244880	ATE.		76- X 16: 28: 10:	01 Martindale Ave 46 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr.	., Portage M e Dr, Saginav ite A-9, Wixo	w MI om MI		
SERVICE ORGANIZATI	•	(AIE)		PROPERTY	NAME				
Vanguard Fire & Security	У		-	Name:	WAYNE STATE	- LAW LIBR	ARY - 046		
2101 Martindale Ave. SV	W		<u> </u>	Address:	474 FERRY MALL				
Grand Rapids, MI 49509	9			DETROIT, M	II 48202				
			•						
Technician:	JASON JOH	NSTON		Owner Conta	act:	PAT / DAVI	D KUFFNEI	₹	
			Telephone:			(313) 577-4345			
Telephone:	800-444-871	9	Approving Agency:			DETROIT FIRE DEPARTMENT			
			DDIOD TO	ANY TESTI	NC				
NOTIFICATIONS	I	YES	PHONE		T	WHO		TIME	
NOTIFICATIONS				NI 11VIDEK.5					
NOTIFICATIONS BUILDING OCCUPANTS		123		NUMBERS					
BUILDING OCCUPANTS BUILDING MANAGEMENT	Т	X		577-4345	PAT / DAVID KAU	IFFNER		6:30AM	
BUILDING OCCUPANTS	Т				PAT / DAVID KAU CAMPUS SECUR			6:30AM 6:30AM	
BUILDING OCCUPANTS BUILDING MANAGEMENT		Х							
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY	Υ	Х							
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT	Υ	Х	(313) 5	577-4345	CAMPUS SECUR				
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT AHJ (NOTIFIED) OF IMPA	TY JIRMENTS	Х	(313) 5		CAMPUS SECUR	ITY		6:30AM	
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT AHJ (NOTIFIED) OF IMPA GENERAL INFORMATION	TY IRMENTS N (GI)	X	(313) 5	577-4345	CAMPUS SECUR	YES	NO		
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT AHJ (NOTIFIED) OF IMPA  GENERAL INFORMATION 1. Is the building occu	N (GI) upied as in past	X	(313) 5	577-4345	CAMPUS SECUR	ITY		6:30AM	
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT AHJ (NOTIFIED) OF IMPA  GENERAL INFORMATION 1. Is the building occu 2. Is the building fully	N (GI) upied as in past	X X	(313) 5	INFORMATIO	CAMPUS SECUR	YES X	NO X	6:30AM	
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT AHJ (NOTIFIED) OF IMPA  GENERAL INFORMATION 1. Is the building occu 2. Is the building fully 3. System(s) in service	N (GI) upied as in past sprinkled? e without modif	X X	SYSTEM	INFORMATIO	CAMPUS SECUR	YES X		6:30AM	
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT AHJ (NOTIFIED) OF IMPA  GENERAL INFORMATION 1. Is the building occu 2. Is the building fully 3. System(s) in service 4. Spare heads and heads	N (GI) upied as in past sprinkled? e without modified box with w	X X	SYSTEM  ce the last in a rely mounter	INFORMATIOnspection?	CAMPUS SECUR	YES X X X		6:30AM	
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT AHJ (NOTIFIED) OF IMPA  GENERAL INFORMATION 1. Is the building occu 2. Is the building fully 3. System(s) in service 4. Spare heads and he 5. Stock/Storage a min	Y (GI) upied as in past sprinkled? e without modit ead box with w inimum of 18" b	X X ? fication since trench secuple low sprint	SYSTEM  ce the last in irely mounter kler heads &	INFORMATIO  ISpection?  Ispection?  Ispection tiles	in place?	YES X X X X X		6:30AM	
BUILDING OCCUPANTS BUILDING MANAGEMENT MONITORING ENTITY 2ND MONITORING ENTIT AHJ (NOTIFIED) OF IMPA  GENERAL INFORMATION 1. Is the building occu 2. Is the building fully 3. System(s) in service 4. Spare heads and heads	N (GI) Upied as in past sprinkled? Ee without modified box with winimum of 18" bood condition, i	X X ? fication sind rench securelow sprint n 5-yr calib	SYSTEM  ce the last in irely mounter kler heads &	INFORMATIO  ISpection?  Ispection?  Ispection tiles	in place?	YES X X X		6:30AM	



/AL	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
	Main control valves in good condition and identified?	X		
	Are control valves secure?	X		
	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
	Valves lubricated?	^		V
7.	valves lubricated?			X
DD	NIZI ED 9 DIDING INFORMATION (CI)	VEC	NO	NI/A
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?			
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		ļ
	Are riser(s) in good condition & unobstructed?	X		
	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			Х
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
16.	Are Backnow Preventers / Check Valves present (II yes, complete Table 3)	^		
ΙΛ.	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	NO	IN/A
•				
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?			X
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?	1		X
	All dry valves have been trip tested & OK (See Table 3)			X
<u>.                                     </u>	Dry pipe valves are in heated area?	+		X
	Was customer informed that they need to drain all drum drips on a monthly basis?			X
	was customer informed that they need to drain all druin drips on a monthly basis?			^



	ABLE 1	1	ΔN.	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A					1101 01 110440	. , , , ,	<u> </u>	10p
		•								
T/	ABLE 2		MA	AIN DRAIN	TEST					
Ri	iser No.	Drain Size	Static Pres	sure (PSI)	Residual I	Pressure (PSI)				
	1.	2"	52	2		35				
	2.									
	3.									
	4.									
	5.	<u> </u>								
_	ADLES	1		\ <u> </u>	TEAT					
<u> </u>	ABLE 3 Valve		DR I	Y SYSTEM	IESI	Starting Air			Trip Air	
No.	Size	Location of Dry Valve		Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	0.20	N/A	n Diy vaive	I dii Oi I	artiai iiip	Trip Process Ctarting Water Pressure		Ticoouic	11000010	THE TIME
2.		1471								
3.										
Loca	ation of D	rum Drain	s			•		Tested?	Yes	No
1.	IT - BSMT	IT LOWER LEVEL STORAGE RM 0361 WESTEND							X	
2.										
3.										
4.										
T	ABLE 4		CONTROL	. VALVE INI	FORMATION	1			T	
ļ										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	-
_	OS&Y	JI Vaive	YES	YES	YES	NO	YES	N/A	N/A	N/A
	-							,, .		
	ABLE 5	1	ACKFLOW/C							
No.		IRPOSE MFG MODEL SIZE YEAR		LAST INSPE			ATION			
	MAIN		TCIW	UT	4"	1965	2010		BASEMENT	
	FDC		TCIW	UT	4"	1965	2010		BASEMENT	MECH ROOM
	I								İ	
3. 4.			i i							



	(	N / OFF PRE	EMISES MONIT	ORING			
ГҮРЕ	YES	NO	TIME	CC	OMMENTS		
ALARM SIGNAL	X						
LARM RESTORAL	X						
ROUBLE SIGNAL	N/A						
ROUBLE RESTORAL	N/A						
SUPERVISORY SIGNAL	N/A						
SUPERVISORY RESTORAL	N/A						
	NOTIFI	CATIONS TH	IAT TESTING IS	S COMPLETE			
YPE	YES			WHO		TIME	
UILDING OCCUPANTS	120						
BUILDING MANAGEMENT	X	PAT / DAV	ID KUFFNER		6	:00 PM	
MONITORING ENTITY	X	CAMPUS S				:00 PM	
ND MONITORING ENTITY							
HJ (NOTIFIED) OF IMPAIRMENTS							
THIS TESTING	WAS PERFOR	MED IN ACC	ORDANCE WIT	H APPLICABLE NFPA ST	TANDARDS		
INS	PECTOR'S	COMMEN	TS AND RE	COMMENDATIONS	S		
IME TO ALARM 42 SECONDS							
LOW SIGNAL RECEIVED AND BLDG PARTIALLY SPRINKLER (		S I OUNCE	AND DOME LI	DDADV			
				DRAKT			
1) HEAD TOO CLOSE TO WALL	OUTSIDE RM	1 0361 BSM <sup>-</sup>	T LIBRARY				
ALARM PANEL LOCATED IN LA	W STAFF OFF	ICE - RM 13	300				
SYSTEM RESTORED TO NORMAL OPERATION			DATE	6/1/12	TIME	8:30AM	
AME OF INSPECTOR			JASON JOHNSTON				
NSPECTOR'S SIGNATURE							
IAME OF PROPERTY OWNER/REI	PRESENTATIVE	<u> </u>	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNE	R/REPRESENT	ATIVE					

Yes or No

Yes or No

Yes or No

YES

NO

YES

Is system code compliant with occupancy & stored commodity?
Have the noted deficiencies/violations been corrected?
Have the deficiencies/violations been authorized for repair?

If no, please explain reason:



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	6/1/2012 6:30AM 244881			X	764 163 282	11 Martindale Ave 16 S. Sprinkle Rd. 13 S. Champagne 121 Beck Rd., Sui 10 Arbor Tech Dr.	, Portage M Dr, Saginav te A-9, Wixo	l w MI om MI	
SERVICE ORGANIZATI	ON (CORPOR	ATE)		PROPER	TYI	NAME			
Vanguard Fire & Security	/			Name:		WAYNE STATE	- LAW SCH	OOL - 049	
2101 Martindale Ave. SV	V			Address: 471 W. PALMER					
Grand Rapids, MI 49509				DETROIT, MI 48202					
			•						
Technician:	JASON JOHN	NSTON	Owner Contact:			PAT / DAVID KUFFNER			
CASEY CARMODY			Telephone:			(313) 684-2411			
Telephone: 800-444-8719				Approving	g Ag	ency:	DETROIT FIRE DEPARTMENT		
			PRIOR TO	NANV TE	CTIA	10			
NOTIFICATIONS	1	YES		NUMBERS		NG	WHO		TIME
BUILDING OCCUPANTS		IES	FHONE	NOWIDER	,		WHO		IIIVIE
BUILDING MANAGEMENT	-	X	(313)	684-2411		PAT / DAVID KUF	FNFR		6:30AM
MONITORING ENTITY		X	(010)	0012111		CAMPUS SECUR		6:30AM	
2ND MONITORING ENTIT	Y					07 HI 00 02 00 1			0.007
AHJ (NOTIFIED) OF IMPAI									
OFNEDAL INFORMATION	L (O.I)		SYSTEM	INFORMA	OIT	N .	VE0	NO	21/4
1. Is the building occur	` '	<u> </u>					YES	NO	N/A
Is the building fully s		<u>'</u>					X		
System(s) in service		ication sin	co the last i	nenaction'	>		^	X	
Spare heads and heads.							X	٨	
Stock/Storage a mir					les ir	n place?	X		
6. Are all gauges in go							X		
7. Wet system areas a							X		
,	(1)	-							



/ΑΙ \	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		14/74
2.	Main control valves in good condition and identified?	X		
	Are control valves secure?	X		
<u>3.</u> 4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves accessible a free from external leaks?  Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?		X	
-	INIZI ED A DIDINO INFORMATION (CI)	VEO	NO	NI/A
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
7.	System ID securely attached & legible?	X		
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
10.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ΙΛ	PM INFORMATION (AI)	YES	NO	N/A
	RM INFORMATION (AI) Was the local alarm tested & OK?	-	NO	IN/A
		X		
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?	1		X
	All dry valves have been trip tested & OK (See Table 3)			X
	Dry pipe valves are in heated area?	+		X
	Was customer informed that they need to drain all drum drips on a monthly basis?	-		X
	was cusiomer miorineo inal inev need to drain all drum dribs on a monthly basis?	1		. X



T	ABLE 1			TI-FREEZE	LOOP					
	No.	Location o	of Loop				No. of Heads	Type of	f Backflow	Temp
		N/A								
	ABLE 2			AIN DRAIN	_					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual I	Pressure (PSI)				
	1.	2"	45			32				
	2.	1 1/2	44			40				
	3.	1 1/2	40	)		35				
	4.	1 1/2	35			30				
	5.									
	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	Location of Dry Valve Fu		Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
	N/A									
<u>.</u>										
3.										
_OC	tion of Drum Drains							Tested?	Yes	No
١			UDITORIUM II	N MECH RN	1				X	
<u>?.                                    </u>	IT AT RISI	ERS IN STA	IR #3						X	
3.										
1.										
т.	ABLE 4	T	CONTROL	VAI VE IN	FORMATION	<u> </u>				
• •	ABLL 4			- VALVE III		•			1	
										Tamper
Qty		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	
	BACKFLO		YES	YES	YES	YES	N/A	N/A	YES	YES
		L (BUTTERFLY)	YES	YES	YES	YES	N/A	N/A	YES	YES
2	ELEVATO	OR (BALL)	YES	YES	YES	YES	N/A	N/A	YES	YES
T,	ABLE 5		ACKFLOW/C	HECK VAL	/E INFORM/				_	
lo.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI			ATION
١	BACKFLO	)W	AMES	3000SS	4"	1994	2011		RISER CLOS	
2.	FDC		VICTAULIC	717	4"	1999	2011		1ST FL. WEST	STAIRWELL
3.	BACKFLO	W BYPASS	AMF	2000SS	3/4"	1999	2011		DISED OLOS	<b>SET RM 124</b>
<i>_</i>		11 21 7100	7 (1711	200000	/4	1999	2011		KISEK CLOS	DET INVI 127



TYPE						
TYPE	(	ON / OFF PRE	MISES MONI	TORING		
느	YES	NO	TIME		COMMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
	1	CATIONS TH	AT TESTING	IS COMPLETE		
TYPE	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X	-	D KUFFNER			1:30PM
MONITORING ENTITY	X	CAMPUS S	ECURITY			1:30PM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS	1					
THIS TESTING WA						S
INSPE	CTOR'S	COMMEN	TS AND R	<b>ECOMMEND</b>	ATIONS	
SYSTEM RESTORED TO NORMAL OPE	ERATION		DATE	6/1/	12 TIME	1:30PM
	ERATION			•	12 <b>TIME</b>	E 1:30PM
SYSTEM RESTORED TO NORMAL OPE	ERATION		DATE CASEY CAR	•	12 <b>TIM</b> E	E 1:30PM
	ERATION			•	12 TIME	≣ 1:30PM
NAME OF INSPECTOR		<b>.</b>		MODY	12 TIME	E 1:30PM
NAME OF INSPECTOR	SENTATIVE		CASEY CAR	MODY	12 TIME	E 1:30PM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY OWNER/R	SENTATIVE	ATIVE	CASEY CAR	MODY		E 1:30PM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY OWNER/RESIGNATURE OF PROPERTY OWNER/	SENTATIVE REPRESENT upancy & s	TATIVE	CASEY CAR	MODY FENER Yes or No	YES	E 1:30PM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY OWNER/R	SENTATIVE REPRESENT upancy & sons been c	Stored comported?	DAVID KAUF	MODY		E 1:30PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	6/6/2012 7:00AM 244898			76- X 163 283	01 Martindale Ave 46 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr.	., Portage M e Dr, Saginav ite A-9, Wixo	l v MI om MI	l
SERVICE ORGANIZAT	ION (CORPO	RATE)		PROPERTY	NAME			
Vanguard Fire & Securit	:y			Name: WAYNE STATE - SHAPERO HALL 050			)	
2101 Martindale Ave. SV	W			Address: 5501 GULLEN MALL				
Grand Rapids, MI 49509	9			DETROIT, MI 48202				
			_					
Technician: JASON JOHNSTON		INSTON	]	Owner Contact:		FRANK / DA'	VID KUFFNI	 ER
				Telephone:		586-612-52		
Telephone: 989-755-7790 Approving Agency:			gency:	DETROIT F	IRE DEPA	RTMENT		
			DDIOD TO	ANY TESTI	NC			
NOTIFICATIONS		YES		NUMBERS	I I	WHO		TIME
BUILDING OCCUPANTS		X	THORE	- TOMBERO	FRANK/TIM HERR			<del></del>
BUILDING MANAGEMEN	Τ	X			DAVID K.			7:00AM
MONITORING ENTITY		Χ			CAMPUS SECURITY			7:00AM
2ND MONITORING ENTIT	Υ							
AHJ (NOTIFIED) OF IMPA	IRMENTS							
			SVSTEM	INFORMATIO	N			
GENERAL INFORMATION	N (GI)		OTOTEM	IN ORMATIO	IV.	YES	NO	N/A
Is the building occu		t?				X		
2. Is the building fully							Χ	
<ol><li>System(s) in service</li></ol>	e without mod	ification sin	ce the last ir	nspection?		X		
4. Spare heads and h	ead box with v	wrench sec	urely mounte	∍d?			Χ	
5. Stock/Storage a mi						X		
6. Are all gauges in g			bration, and	showing norn	nal pressures?	X		
7. Wet system areas	are adequately	/ heated?				X		



'AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		
2.	Main control valves in good condition and identified?		Χ	
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	^	Χ	
7.	Valves lubricated?			X
<u> </u>	valves lubilicated:			
SPR	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X	110	13/7
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads less than 50 years old:  Are sprinkler heads of proper temperature rating?	X		
<del>4</del> .	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	^		
		+ -		X
	System ID securely attached & legible?	+		X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	V	X	
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?	V		X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
A I A	DM INICODMATION (AI)	VEC	NO	N/A
	RM INFORMATION (AI) Was the local alarm tested & OK?	YES	NO	N/A
1.		X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
<u>4.</u>	Are alarm devices free from physical damage & all electrical connections secure?	X		.,
5.	Is alarm valve trim OK & set properly?			X
6. -	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
		1 1		T
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
4.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
6.	All dry valves have been trip tested & OK (See Table 3)			X
_	Dry pipe valves are in heated area?			X
7.	Was customer informed that they need to drain all drum drips on a monthly basis?			X



T/	ABLE 1	I	AN <sup>-</sup>	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	f Backflow	Temp
		N/A	•							
T/	ABLE 2		MA	AIN DRAIN	ΓEST					
Ri	iser No.	<b>Drain Size</b>	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2	50	)		40				
	2.									
	3.									
	4.									
		•								
	ABLE 3	ļ	DR	Y SYSTEM	TEST	Ta				T
NI.	Valve		Starting Air		Orași la care	D	Trip Air	Tale Time		
No.	Size	+	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water Pressure		Pressure	Trip Time
1.		N/A								<u> </u>
2. 3.										
	ation of D	<u>l</u> rum Drains				<u> </u>		Tested?	Yes	No
_ <del>_</del>	ם וט ווטווג	ruili Diailis	<u> </u>					resteur	162	NO
2.								-		
<u>2.</u> 3.								-		
<u>.</u> 4.								-	l	
								_		
T.	ABLE 4		CONTROL	VALVE INI	FORMATION	l			_	
Qty	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Tamper Operationa
1	MAIN (OS		YES	YES	YES	YES	N/A	N/A	YES	YES
4	SECTION	AL (OS&Y)	YES	YES	YES	YES	YES		YES	YES
	ABLE 5		ACKFLOW/C							
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI			ATION
		R CHECK	GLOBE	A	6"	1963	2010		BASEMENT R	
		K BYPASS	FAIRBANKS	SWING	3/4"	1990	2010		BASEMENT R	
	MAIN		TCIW	UT	6"	1964	2010		BASEMENT R	
	FDC		TCIW	UT	4"	1964	2010	1	BASEMENT R	OOM 11
-						ī l				
5. ô.										



			MISES MONIT	T		
TYPE	YES	NO	TIME	СОМІ	MENTS	
ALARM SIGNAL	X	_				
ALARM RESTORAL	X N/A					
TROUBLE SIGNAL	N/A					
TROUBLE RESTORAL SUPERVISORY SIGNAL	N/A X	-				
SUPERVISORY SIGNAL SUPERVISORY RESTORAL	X	-				
SUPERVISORT RESTORAL	^					
	NOTIFI	CATIONS TH	AT TESTING IS	S COMPLETE		
TYPE	YES			WHO		TIME
BUILDING OCCUPANTS	X					<u>-</u>
BUILDING MANAGEMENT	X	FRANK / DA	VID KUFFNER	8	8	:30AM
MONITORING ENTITY	X	CAMPUS S		`	_	:30AM
2ND MONITORING ENTITY		07				
AHJ (NOTIFIED) OF IMPAIRMENTS						
,	S PERFOR	MED IN ACCO	RDANCE WIT	H APPLICABLE NFPA STAN	IDARDS	
				COMMENDATIONS		
MAIN OS&Y DOESN'T OPERATE PROBLEM					ER TO REPLA	CE (6" OS&Y TC
UNABLE TO REPAIRE 2" LEAK ON MAIN DR						(3 2 2 2 3 3
JNABLE TO REPAIRE 2 LEAK ON MAIN DR.	AIN SYSTEM	I SIDE AS MAIN	I VALVE WOULL	ONOT SHOT		
TIME TO ALARM, 20 SEC						
NO HEAD BOX OR WRENCH AT RISER						
ALL FIRE HOSES NEED CAPPED AND REMO	OVED (10 TC	OTAL)				
	•	,				
NOTE: ALARM PANEL LOCATED IN ELECT	RICAL RM 10	OF BSMT BRE	AKERS 16&18			
SYSTEM RESTORED TO NORMAL OPE	FRATION					1
	INATION		DATE	6/6/12	TIME	8:30AM
	LICATION		DATE	6/6/12	TIME	8:30AM
NAME OF INSPECTOR	INATION		DATE  JASON JOHN		TIME	8:30AM
	- CATION				TIME	8:30AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE	INATION				TIME	8:30AM
INSPECTOR'S SIGNATURE			JASON JOHN	STON	TIME	8:30AM
		<u>:</u>		STON	TIME	8:30AM
INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRES	SENTATIVE		JASON JOHN	STON	TIME	8:30AM
INSPECTOR'S SIGNATURE	SENTATIVE		JASON JOHN	STON	TIME	8:30AM
INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRES  SIGNATURE OF PROPERTY OWNER/R	SENTATIVE	TATIVE	JASON JOHN	STON	TIME	8:30AM
INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRES  SIGNATURE OF PROPERTY OWNER/R  Is system code compliant with occ	SENTATIVE	Stored comm	JASON JOHN	STON  NER  Yes or No YES	TIME	8:30AM
INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRES  SIGNATURE OF PROPERTY OWNER/R	SENTATIVE EPRESENT upancy & s	Stored commonrected?	JASON JOHN DAVID KUFFN	STON	TIME	8:30AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER  SERVICE ORGANIZ  Vanguard Fire & Sec  2101 Martindale Ave	ATION (CORPO	RATE)		PROPER Name: Address:	7646 1633 2822 1050	Martindale Ave 5 S. Sprinkle Rd. 3 S. Champagne 21 Beck Rd., Sui 0 Arbor Tech Dr. AME WAYNE STATE	, Portage M Dr, Sagina te A-9, Wixo Suite F, He	W MI om MI bron KY	
Grand Rapids, MI 49	509		]	DETROIT	, MI -	48202			
Technician:	Technician: JASON JOHNSTON			Owner Co		t:	DAVID KUFI 313-684-01		
Telephone:	800-444-87	19		Approvino		ency:	DETROIT F		RTMENT
			PRIOR TO	ANY TE	STIN	<u> </u>			
NOTIFICATIONS		YES		NUMBERS			WHO		TIME
BUILDING OCCUPANT	TS								
BUILDING MANAGEM		X	(313) 6	84-0855		DAVID KUFFNER	ER 8:3		8:30AM
MONITORING ENTITY		X			(	CAMPUS SECUR	ITY		8:30AM
2ND MONITORING EN									
AHJ (NOTIFIED) OF IM	/IPAIRMENTS								
			CVCTEM	INFORMA	TION				
GENERAL INFORMAT	TION (GI)		STOTEM	INI OKWA	TION		YES	NO	N/A
	ccupied as in pas	st?					X		1471
2. Is the building fu								Χ	
3. System(s) in ser	rvice without mod	lification sin	ce the last in	spection?	>		Χ		
	d head box with							Χ	
Ü	minimum of 18"						X		
•	n good condition,		oration, and	showing n	orma	l pressures?			X
7. Wet system are:	as are adequately	/ heated?					X		



AI	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	NA
2.	Main control valves in good condition and identified?	X		
<u>2.</u> 3.	Are control valves secure?	X		
_	Are all control valves accessible & free from external leaks?			
<u>4.</u>		X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
PR	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
1.	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?			Х
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
		^		V
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?			X
	FDC equipped with ball drip? (if yes, in good working order?)			X
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ΙΔ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	120	110	X
<u>.                                    </u>	Did Central Station receive Flow Alarm Test?			
				X
	Did Central Station receive Tamper Test?			
	Are alarm devices free from physical damage & all electrical connections secure?			X
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?			X
		<u> </u>		ı
		YES	NO	N/A
	PIPE SYSTEM INSPECTION (DI)	120		
	Dry pipe valves in service & in good external condition?	120		X
	Dry pipe valves in service & in good external condition?  Pressure & priming water OK?	120		X
	Dry pipe valves in service & in good external condition?  Pressure & priming water OK?  Air supply in good working order?	120		
	Dry pipe valves in service & in good external condition?  Pressure & priming water OK?			X
	Dry pipe valves in service & in good external condition?  Pressure & priming water OK?  Air supply in good working order?			X X X
	Dry pipe valves in service & in good external condition? Pressure & priming water OK? Air supply in good working order? Were low points drained during fall & winter inspections? Are accelerator(s) in good condition?			X X X
	Dry pipe valves in service & in good external condition?  Pressure & priming water OK?  Air supply in good working order?  Were low points drained during fall & winter inspections?			X X X



T/	ABLE 1		AN'	TI-FREEZE I	_OOP					
	No.	Location o	f Loop				No. of Heads	Type of	Backflow	Temp
		N/A	-							-
		_								
T/	ABLE 2	l	MA	AIN DRAIN 1	EST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1.	N/A		, ,		, ,				
	2.	1 47 1								
	3.									
	4.									
	··									
T	ABLE 3		DR	Y SYSTEM	TEST					
<del></del>	Valve			. O. OILIN		Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A	,		ь		2			1
2.		. 47.1								
2. 3.										
L oca	ation of D	rum Drains	I S					Tested?	Yes	No
1	1	rain Braini						rootou.	100	110
1. 2. 3. 4.										
2.										
J.										
4.								J		
T	ABLE 4	I	CONTROL	VALVE INF	EOPMATION	I				
- "	ABLL 4		CONTROL	- VALVE IIVI	OKWATION	·				
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
1	GLOBE		YES	NO	YES	YES	YES	N/A	N/A	N/A
1	OS&Y		YES	NO	YES	YES	YES	N/A	N/A	N/A
•	0001		120			120	. 20	1471	14/71	1471
Т	ABLE 5	R	ACKFLOW/CI	HECK VALV	F INFORMA	TION				
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	LOCA	ATION
1.	N/A	. 552	0	MODEL	OILL.	ILAN	LAUT INOF	-9125	1 200,	
2	14// 1									
3										
2. 3. 4. 5. 6.										
5										
6										
7.										



		ON / OFF PR	EMISES MONI	TORING			
TYPE	YES	NO	TIME		COMME	NTS	
ALARM SIGNAL	N/A						
ALARM RESTORAL	N/A						
TROUBLE SIGNAL	N/A						
FROUBLE RESTORAL	N/A						
SUPERVISORY SIGNAL	N/A						
SUPERVISORY RESTORAL	N/A						
	NOTIFI	CATIONS TI	HAT TESTING I	S COMPLETE			
ГҮРЕ	YES			WHO		•	TIME
BUILDING OCCUPANTS							
BUILDING MANAGEMENT	X	DON / DAV	VID KUFFNER			8:	:00 AM
MONITORING ENTITY							
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
THIS TESTING WA	AS PERFORI	MED IN ACC	ORDANCE WI	TH APPLICABLE I	NFPA STANDA	ARDS	
INSPE	CTOR'S	COMMEN	ITS AND R	<b>ECOMMENDA</b>	TIONS		
NOTES - 1ST FLOOR STOCK ROOM HAS 7	HEADS ON C	OPPER PIPIN	NG VALVE - 2ND	FLOOR HAS 6 HEAD	S TOTAL AND (	CONTROL V	/ALVE ALONG
	HEADS ON C	OPPER PIPIN	NG VALVE - 2ND	FLOOR HAS 6 HEAD	S TOTAL AND (	CONTROL V	/ALVE ALONG
NO SPARE HEADS OR WRENCH NOTES - 1ST FLOOR STOCK ROOM HAS 7 WALL BY FLAME LOCKER  SYSTEM RESTORED TO NORMAL OP		OPPER PIPIN	NG VALVE - 2ND	FLOOR HAS 6 HEAD	T	CONTROL V	T
NOTES - 1ST FLOOR STOCK ROOM HAS 7 WALL BY FLAME LOCKER		OPPER PIPIN		6/6/1	T		T
NOTES - 1ST FLOOR STOCK ROOM HAS 7 WALL BY FLAME LOCKER  SYSTEM RESTORED TO NORMAL OPINAME OF INSPECTOR		OPPER PIPIN	DATE	6/6/1	T		
NOTES - 1ST FLOOR STOCK ROOM HAS 7 WALL BY FLAME LOCKER  SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	ERATION		DATE	6/6/1 NSTON	T		
NOTES - 1ST FLOOR STOCK ROOM HAS 7 WALL BY FLAME LOCKER  SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE	ERATION		DATE  JASON JOHN	6/6/1 NSTON	T		T
NOTES - 1ST FLOOR STOCK ROOM HAS 7 WALL BY FLAME LOCKER  SYSTEM RESTORED TO NORMAL OPI	ERATION SENTATIVE	ATIVE	DATE  JASON JOHN  DAVID KUFF	6/6/1 NSTON	T		10:00AM
NOTES - 1ST FLOOR STOCK ROOM HAS 7 WALL BY FLAME LOCKER  SYSTEM RESTORED TO NORMAL OPINAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE	ERATION  SENTATIVE REPRESENT	ATIVE	DATE  JASON JOHN  DAVID KUFF	6/6/1 NSTON NER	2		
NOTES - 1ST FLOOR STOCK ROOM HAS 7 WALL BY FLAME LOCKER  SYSTEM RESTORED TO NORMAL OPINAME OF INSPECTOR  NAME OF INSPECTOR  NAME OF PROPERTY OWNER/REPRESIGNATURE OF	ERATION  ESENTATIVE  REPRESENT  Supancy & sons been consisted	ATIVE	DATE  JASON JOHN  DAVID KUFF	6/6/1 NSTON NER  Yes or No	2 YES		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE: ARRIVAL TIME: WORK ORDER NUMBER: SERVICE ORGANIZA	7/23/2012 6:30 AM 244859	ATE)		7 X 1 2	646 S. Sprinkle R 633 S. Champagr 8221 Beck Rd., S 050 Arbor Tech D	d., Portage M ne Dr, Sagina uite A-9, Wixo	II w MI om MI	
Vanguard Fire & Secur	rity			Name: ACADEMIC / ADMINISTRATIVE - 062				
2101 Martindale Ave. SW				Address:	2700 CASS			
Grand Rapids, MI 49509				DETROIT,	MI 48202			
,			_	·				
Technician:	chnician: J. JOHNSTON			Owner Cor	tact:	TOM / DAVI	D KUFFNER	
				Telephone:		(313) 684-5	5541	
Telephone:	800-444-8719	)		Approving A	Agency:	DETROIT F	FIRE DEPAI	RTMENT
			PRIOR TO	O ANY TES	TING			
NOTIFICATIONS		YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMEN	NT	X	(313)	684-5541	TOM / TIM HERI			6:30A
MONITORING ENTITY		X			CAMPUS SECU	RITY		6:30A
2ND MONITORING ENTI								
AHJ (NOTIFIED) OF IMP.	AIRMENTS							
			OVOTEN	INFORMATI	ON			
GENERAL INFORMATION	N (CI)		STSTEIN	INFORMATI	ON	YES	NO	N/A
Is the building occ		)				X	NO	IN/A
Is the building fully		•				X		
3. System(s) in servi		ication sin	ce the last in	nspection?		X		
Spare heads and						X		
Stock/Storage a m					s in place?		Χ	
6. Are all gauges in g						X		
7. Wet system areas			<u> </u>		·	X		



'AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
<del>3.</del>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.		^		\ <u>\</u>
7.	Valves lubricated?			X
חחי	INIVIED & DIDING INFORMATION (CI)	VEC	NO	NI/A
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?	X		
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are Backnow Freventers / Check valves present (ii yes, complete rable 3)	^		
ΛΙ Λ	PM INFORMATION (AI)	YES	NO	N/A
	RM INFORMATION (AI) Was the local alarm tested & OK?		NO	IN/A
1.		X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			Х
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
3. 3.	All dry valves have been trip tested & OK (See Table 3)	+		X
7.	Dry pipe valves are in heated area?	+		X
7. 3	Was customer informed that they need to drain all drum drips on a monthly basis?			X
	vvas cusioner informed that they beed to drain all drifth drips on a monthly basis?			



T	ABLE 1		AN	TI-FREEZE I	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A	•					1 7		·
T.	ABLE 2		M	AIN DRAIN 1	TEST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	13	0	L	_OW				
	2.									
	3.									
T	ABLE 3		DR	Y SYSTEM	TEST					
_	Valve					Starting Air		_	Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
<u>l.                                    </u>		N/A								
<u>?.                                    </u>										
3.		<u> </u>						T4: 10	V	A1 -
	ation of D	rum Drains	<u> </u>					Tested?	Yes	No
<u>.                                      </u>								_		
<u>.                                    </u>								J		
_	ADLE 4	1	CONTROL	\/A \/⊏  N	TODM ATION					
- 1	ABLE 4		CONTROL	VALVE IN	ORMATION			ı	T	
										Tamper
Qty	Type o	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	-
1	MAIN		YES	YES	YES	YES	N/A	N/A	YES	YES
3	BYPASS		YES	YES	YES	YES	N/A	N/A	YES	YES
2	JOCKEY		YES	YES	YES	YES	YES	YES	N/A	N/A
1	PUMP		YES	YES	YES	YES	N/A	N/A	YES	YES
4	SECTION	AL SPRINK	YES	NO	YES	YES	N/A	N/A	YES	YES
3	SECTION	AL STAND	YES				14/7	1 4// 1	<u> </u>	
			TES	NO	YES	YES	N/A	N/A	YES	YES
3	ELEVATO	R (OS&Y)	YES	YES	YES YES	YES YES				YES YES
3		R (OS&Y)					N/A	N/A	YES	
Т	ELEVATO ABLE 5	В	YES ACKFLOW/C	YES HECK VALV	YES E INFORMA	YES	N/A N/A	N/A N/A	YES YES	YES
Т	ABLE 5	B POSE	YES ACKFLOW/C	YES HECK VALV	YES E INFORMA SIZE	YES TION YEAR	N/A	N/A N/A	YES YES	
T No.	ABLE 5 PUR DETECTO	B POSE	YES  ACKFLOW/C  MFG  HERSEY	YES HECK VALV MODEL EDC III	YES E INFORMA SIZE 6"	TION YEAR 1995	N/A N/A LAST INSP	N/A N/A	YES YES  LOCA RM 1414	YES
Τ No. I. 2.	ABLE 5 PUR DETECTO BYPASS	B POSE	YES  ACKFLOW/C  MFG  HERSEY  NIBCO	YES HECK VALV MODEL EDC III KW900W	YES E INFORMA SIZE 6" 6"	YES  TION  YEAR  1995  1995	N/A N/A LAST INSP 2010 2010	N/A N/A ECTED	YES YES  LOCA RM 1414 RM 1414	YES
T No. I. 2.	ABLE 5 PUR DETECTO BYPASS PUMP	B POSE	YES  ACKFLOW/C  MFG  HERSEY  NIBCO  NIBCO	YES HECK VALV MODEL EDC III KW900W KW900W	YES E INFORMA SIZE 6" 6"	YES  TION  YEAR  1995  1995  1995	N/A N/A LAST INSP 2010 2010 2010	N/A N/A ECTED	YES YES  LOCA RM 1414 RM 1414 1ST FLR WE	YES
T No. I. 2. 3.	ABLE 5 PUR DETECTO BYPASS PUMP FDC	B POSE	YES  ACKFLOW/C  MFG  HERSEY  NIBCO  NIBCO  CENTRAL	YES HECK VALV MODEL EDC III KW900W KW900W 90	YES  E INFORMA  SIZE  6"  6"  4"	YES  TION  YEAR  1995  1995  1995  1995	N/A N/A N/A LAST INSP 2010 2010 2010	N/A N/A ECTED	YES YES  LOCA RM 1414 RM 1414 1ST FLR WE RM 1414	YES
T No. I. 2. 3. I.	ABLE 5 PUR DETECTO BYPASS PUMP FDC MAIN	POSE PR CHECK	ACKFLOW/C MFG HERSEY NIBCO NIBCO CENTRAL NIBCO	YES  HECK VALV  MODEL  EDC III  KW900W  KW900W  90  KW900W	YES  E INFORMA  SIZE  6"  6"  4"  6"	YES  TION  YEAR  1995  1995  1995  1995  1995	N/A N/A LAST INSP 2010 2010 2010 2010 2010	N/A N/A	YES YES  LOCA RM 1414 RM 1414 1ST FLR WE RM 1414 RM 1414	YES
T No. I. 2. 3. 4. 5.	ABLE 5 PUR DETECTO BYPASS PUMP FDC MAIN DETECTO	POSE OR CHECK	YES  ACKFLOW/C  MFG  HERSEY  NIBCO  NIBCO  CENTRAL	YES  HECK VALV  MODEL  EDC III  KW900W  KW900W  90  KW900W  SWING	YES  E INFORMA SIZE  6" 6" 4" 6" 4" 6" 34"	YES  TION  YEAR  1995  1995  1995  1995  1995  1995  1995	N/A N/A N/A LAST INSP 2010 2010 2010 2010 2010	N/A N/A ECTED	YES YES  LOCA RM 1414 RM 1414 1ST FLR WE RM 1414 RM 1414 RM 1414 RM 1414	YES
T No. 1. 2. 3. 4. 5.	ABLE 5 PUR DETECTO BYPASS PUMP FDC MAIN DETECTO SENSING	POSE OR CHECK OR BYPASS LINE	ACKFLOW/C MFG HERSEY NIBCO NIBCO CENTRAL NIBCO RANDELMAN RANDELMAN	YES  HECK VALV  MODEL  EDC III  KW900W  KW900W  90  KW900W  SWING  SWING	YES  E INFORMA  SIZE  6"  6"  4"  6"  3/4"  1/2"	YES  TION  YEAR  1995  1995  1995  1995  1995  1995  1995  1995	N/A N/A N/A LAST INSP 2010 2010 2010 2010 2010 2010	N/A N/A	YES YES  LOCA RM 1414 RM 1414 1ST FLR WE RM 1414 RM 1414 RM 1414 RM 1414 RM 1414	YES
T No. 1. 2. 3. 4. 5. 6. 7.	ABLE 5 PUR DETECTO BYPASS PUMP FDC MAIN DETECTO SENSING SENSING	POSE OR CHECK OR BYPASS LINE LINE	ACKFLOW/C MFG HERSEY NIBCO NIBCO CENTRAL NIBCO RANDELMAN RANDELMAN	HECK VALV MODEL EDC III KW900W KW900W 90 KW900W SWING SWING SWING	YES  E INFORMA  SIZE  6"  6"  4"  6"  34"  ½"  ½"	YES  TION  YEAR  1995  1995  1995  1995  1995  1995  1995  1995  1995	N/A N/A N/A LAST INSP 2010 2010 2010 2010 2010 2010 2010	N/A N/A ECTED	YES YES  LOCA RM 1414 RM 1414 1ST FLR WE RM 1414 RM 1414 RM 1414 RM 1414 RM 1414 RM 1414	YES
	ABLE 5 PUR DETECTO BYPASS PUMP FDC MAIN DETECTO SENSING	POSE OR CHECK OR BYPASS LINE LINE	ACKFLOW/C MFG HERSEY NIBCO NIBCO CENTRAL NIBCO RANDELMAN RANDELMAN	YES  HECK VALV  MODEL  EDC III  KW900W  KW900W  90  KW900W  SWING  SWING	YES  E INFORMA  SIZE  6"  6"  4"  6"  3/4"  1/2"	YES  TION  YEAR  1995  1995  1995  1995  1995  1995  1995  1995	N/A N/A N/A LAST INSP 2010 2010 2010 2010 2010 2010	N/A N/A  ECTED  O O O O O O O O O O O O O O O O O O	YES YES  LOCA RM 1414 RM 1414 1ST FLR WE RM 1414 RM 1414 RM 1414 RM 1414 RM 1414	YES



		N / OFF PRE	FINISES MONI	ORING		
TYPE	YES	NO	TIME		COMMENTS	S
ALARM SIGNAL	X					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
	NOTIFI	CATIONS TH	AT TESTING I	S COMPLETE		
ТҮРЕ	YES			WHO		TIME
BUILDING OCCUPANTS	1 1 1					
BUILDING MANAGEMENT	X	TOM / TIM	HERR			1:30P
MONITORING ENTITY	X	CAMPUS S				1:30P
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING V	VAS PERFORI	MED IN ACC	ORDANCE WIT	TH APPLICABLE	NFPA STANDARI	DS
INSP	ECTOR'S	COMMEN	TS AND RE	COMMENDA	TIONS	
ALL SIGNALS RECEIVED AND RESET						
TAMPERS IN PUMP ROOM COME IN AS A	ALARM NOT SII	PER\/ISORY				
TAINI LIKE IN COME INCOME IN A NO A						
	ONLY 35PSI					
SYSTEM HAS LOW SUPPLY PRESSURE FLOW GAUGE EMBEDDED INSIDE WALL	4TH FLR WEST	STAIRWELL				
SYSTEM HAS LOW SUPPLY PRESSURE FLOW GAUGE EMBEDDED INSIDE WALL NOTE: ALARM PANEL WALK TEST MODE	4TH FLR WEST	STAIRWELL			S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE FLOW GAUGE EMBEDDED INSIDE WALL NOTE: ALARM PANEL WALK TEST MODE SYSTEM RESTORED TO NORMAL O	4TH FLR WEST	STAIRWELL	E - STANDPIPE :	SECTIONAL VALVE	S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE FLOW GAUGE EMBEDDED INSIDE WALL NOTE: ALARM PANEL WALK TEST MODE SYSTEM RESTORED TO NORMAL O	4TH FLR WEST	STAIRWELL	E - STANDPIPE	SECTIONAL VALVE	S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE  FLOW GAUGE EMBEDDED INSIDE WALL  NOTE: ALARM PANEL WALK TEST MODE  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR	4TH FLR WEST	STAIRWELL	E - STANDPIPE :	SECTIONAL VALVE	S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE  FLOW GAUGE EMBEDDED INSIDE WALL  NOTE: ALARM PANEL WALK TEST MODE  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	4TH FLR WEST	STAIRWELL	DATE  JASON JOHN	SECTIONAL VALVE: 7/23/	S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE  FLOW GAUGE EMBEDDED INSIDE WALL  NOTE: ALARM PANEL WALK TEST MODE  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR	4TH FLR WEST	STAIRWELL	E - STANDPIPE :	SECTIONAL VALVE: 7/23/	S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE  FLOW GAUGE EMBEDDED INSIDE WALL  NOTE: ALARM PANEL WALK TEST MODE  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPE	4TH FLR WEST E IS SET FOR A PERATION RESENTATIVE	STAIRWELL	DATE  JASON JOHN	SECTIONAL VALVE: 7/23/	S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE  FLOW GAUGE EMBEDDED INSIDE WALL  NOTE: ALARM PANEL WALK TEST MODE  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPF	4TH FLR WEST E IS SET FOR A PERATION RESENTATIVE	SHORT CYCLI	DATE  JASON JOHN  DAVID KUFF	SECTIONAL VALVE: 7/23/	S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE  FLOW GAUGE EMBEDDED INSIDE WALL  NOTE: ALARM PANEL WALK TEST MODE  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	4TH FLR WEST E IS SET FOR A PERATION RESENTATIVE E/REPRESENT	SHORT CYCLI  ATIVE	DATE  JASON JOHN  DAVID KUFF	SECTIONAL VALVE 7/23/ ISTON NER	S LOCATED IN RM	1100, 1308, AND 18.
SYSTEM HAS LOW SUPPLY PRESSURE  FLOW GAUGE EMBEDDED INSIDE WALL  NOTE: ALARM PANEL WALK TEST MODE  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPF  SIGNATURE OF PROPERTY OWNER	4TH FLR WEST E IS SET FOR A PERATION RESENTATIVE E/REPRESENT Ccupancy & stions been c	SHORT CYCLI  ATIVE  stored commorrected?	DATE  JASON JOHN  DAVID KUFFI	7/23/ ISTON  Yes or No	S LOCATED IN RM	1100, 1308, AND 18.



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	Χ

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

DATE:	7/25/12			] —			e. SW, Gran		
ARRIVAL TIME:	6:30A			X	7646 S. Sprinkle Rd., Portage MI 1633 S. Champagne Dr, Saginaw MI				
							ite A-9, Wixe		
WORK ORDER NUMBER:	244873			J	1050 Ark	or Tech Dr	. Suite F, He	bron KY	
SERVICE ORGANIZATION (	CORPORA	ATE)		]	PROPER1	YNAME			
Vanguard Fire & Security					Name:	ACADEMI	C & ADMINI	STRATION	
2101 Martindale Ave. SW					Address:	5700 CAS	S		
Grand Rapids, MI 49509					DETROIT,	MI 48202			
Technician:	JASON JO	OHNSTON		]	Owner Co	ntact:	TOM / D K	UFFNER	
				_	Telephone	:	(313) 684-5	5541	
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT.	
			PRIOR TO AN	IV TESTING					
NOTIFICATIONS		YES	PHONE N			WHO		TIME	
BUILDING OCCUPANTS			11101121						
BUILDING MANAGEMENT		X	(313) 68	34-5541	TOM / TIM H	ERR		6:30A	
MONITORING ENTITY		Χ	,		CAMPUS SECURITY			6:30A	
2ND MONITORING ENTITY									
AHJ (NOTIFIED) OF ANY IMPAII	RMENTS								
		FIDE DUM	D 0 IOCKEVI	DUMD INFO	MATION				
		FIRE PUM	P & JOCKEY I FIRE PUM		MATION				
MANUFACTURER		PATTERS		RATE GPM			750		
MODEL		5X4 MAC		RATE OF M		90			
SERIAL NUMBER		FP-C 255		PSI @ 150%			76		
TYPE		SPLITCAS		MAX PRESSURE			103		
RATED RPM		3510		AUTO STAF			80		
IMPELLER SIZE		7.5		SATISFIED			140		
HORSE POWER		60		AUTO STO			YES		
WATER SUPPLY		CITY		<b>RUN TIMER</b>			10 MIN		
MANUEACTURER	1		FIRE PUMP	T	00070	DATED SS		0545	
MANUFACTURER		US		FRAME	326TS	RATED RP	IVI	3545	
MODEL SERVICE	40	D MY04OB45	0D 00	VOLTAGE	460	HZ HODGE DO	WALD	60	
SERIAL NUMBER	40	04Y04OR15		AMP	73	HORSE PO		60	
TYPE		ELECTRI	<u> </u>	PHASE	3	SERVICE	ACTOR	1.15	



	FIRE PUM	P CONTROL			
MANUFACTURER	MASTER	HORSE POWER RATING	3	I	60
MODEL	MCA-60-46-H	VOLTAGE			480
SERIAL NUMBER		0,000			
CERTAL HOMBER	72031	AMP RMS			,
	JOCKEY F	PUMP DATA			
MANUFACTURER			1¼"		
MODEL	CR-2	START PRESSURE (ON	)		95
ERIAL NUMBER 84200005 STOP PRESSURE (OFF)					140
HORSE POWER	1	VOLTAGE			208
		RMS PROVIDED		1	
DISPLAYED AT	PANEL LOBBY	PHASE REVERSAL			NO
PUMP RUNNING	YES	PUMP ROOM LOW TEM	P		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
	FIDE DUMP	TEAT DEBART			
Inspection of Pump	FIRE PUMP	TEST REPORT	YES	NO	N/A
System found in service?			X	NO	IN/A
Fire pump controller in automatic services.	vice?		X		
3. Jockey pump controller in service on a			X		
4. Is alarm panel clear?			X		
5. Is pump room secure?			Χ		
6. Heat, light and ventilation ok?			Χ		
7. Is pump room clean, dry and orderly?			Χ		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves	open?		Χ		
10. Piping, valves and fittings free from I	eaks?		Χ		
11. Main relief valve functions ok?			Χ		
Electronic Pump Inspection			YES	NO	N/A
<ol> <li>Isolation switch and circuit breaker ex</li> </ol>	ercised?		X		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
<ol><li>Controller selector switch in auto posi</li></ol>	tion?				X
3. Battery voltage and reading normal?					X
<ol> <li>Battery charging current reading norm</li> </ol>	nal?				X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph p	aper present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid fund	tion properly?				X



	TION OF FIRE PUMP AND PIPIN	to com one	YES	NO	N/A
Valves in proper position and in good condition	າ?		X	NO	IVA
Are all valves listed for application?	1:		X		
3. Valves locked, sealed or supervised?		X			
4. Are all valves tagged and identified?		X			
5. Jockey pump operational?		X			
6. Packing glands appear properly adjusted?			X		
7. Bi-monthly test records available?					X
8. Were automatic starts performed?			X		
9. Were manual starts performed?			X		
10. Did automatic and manual starts and stops to	function properly?		X		
11. Remote alarm conditions demonstrated?			X		
12. Are drains operational and ok?			X		
13. Does fire pump shaft and coupling appear to	be properly aligned?		X		
14. Does jockey pump appear to be aligned ok?			X		
15. Does fire pump have casing relief valve and o			X		
16. Is test header in good condition and drained?			X		
17. Supplying tank or reservoir appears to be in s	satisfactory condition?				X
18. Tank water level ok?					X
19. At completion, was pump returned to automa	•	al?	X		
20. Site personnel were offered instruction in pur			X		
21. Sensing lines for jockey and fire pump separa	ate?		X		
22. Power transfer switch tested and ok?					X
	FLOW INSPECTION REPO	DDT.			
Fire Pump Flow Test Report	CHURN		FLOW	1500/	FLOW
RPM During Test	3579	100%	FLOW	150%	FLOW
Voltage During Test	481 482 482				
Amperage During Test	33 34 33				
anporago Daning Tool	33 34 33				
RATED NET HEAD	90				
SUCTION PRESSURE	33				
DISCHARGE PRESSURE	131				
NET HEAD	98		0		0
RATED GPM	750				
OUTLET A PITOT	NA				
OUTLET B PITOT	NA				
OUTLET C PITOT	NA				
OUTLET D PITOT	NA				
OUTLET E PITOT	NA				
TOTAL FLOW	0		0		0
RATED % OF FLOW		(	)%	(	0%
		s? PASS	1	FAIL	Х



		DIE	SEL BATTE	RY INSPECTION			
TYPE	FUNCTIONA	\L	COMME	NTS			
ATTERY CONDITION			N/A				
/OLTAGE							
BATTERY SIZE		<u> </u>					
CHARGER VOLTAGE							
				QUIPMENT:ON/OF			
TYPE	YES	NO	TIME		СОММЕ	NIS	
ALARM SIGNAL	X						
ALARM RESTORAL	X	<del>                                     </del>					
TROUBLE SIGNAL TROUBLE RESTORAL	X	<del>                                     </del>					
SUPERVISORY SIGNAL	X	<del> </del>		+			
SUPERVISORY SIGNAL SUPERVISORY RESTORAL	X	<del>                                     </del>					
GOI LIVISORT RESTORAL							
		NOTIFICA?	IONS THAT	TESTING IS COMP	ETE		
TYPE		YES		WHO	· <b>-</b>		TIME
BUILDING OCCUPANTS		1					
BUILDING MANAGEMENT		X	TOM / TIM H	IERR			1:30P
MONITORING ENTITY		X	CAMPUS SE				1:30P
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS						
· · · · · · · · · · · · · · · · · · ·							
THIS TESTII	NG WAS P	ERFORME	IN ACCORE	ANCE WITH APPL	ICABLE NFPA S	TANDARDS	
II	ISPECT(	OR'S CO	MMENTS	AND RECOM	MENDATION	S	
SENSING LINES NOT SEPA						<u>-                                      </u>	
PACKING COOPER COOLEI							
PACKING COOPER COOLE	K LINES U	IN CASING	ARE PLUC	GED OFF			
NOTE, NOT ADJETO DE 40							
NOTE: NOT ABLE TO REAC	CH 100% C	)R 150% F	LOW DUE T	O LOW SUPPLY	PRESSURE AN	D PUMP RO	OOM BEING
				O LOW SUPPLY	PRESSURE AN	D PUMP RO	OOM BEING
				O LOW SUPPLY	PRESSURE AN	D PUMP RO	OOM BEING
				O LOW SUPPLY	PRESSURE AN	D PUMP RO	OOM BEING
				O LOW SUPPLY	PRESSURE AN	D PUMP RO	OOM BEING
LOCATED IN PENTHOUSE,	CITY PRE	SSURE OI		DATE	PRESSURE AN	D PUMP RO	DOM BEING 1:30P
NOTE: NOT ABLE TO REAC LOCATED IN PENTHOUSE,  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR	CITY PRE	SSURE OI			7/25/12		
LOCATED IN PENTHOUSE,  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR	CITY PRE	SSURE OI		DATE	7/25/12		
SYSTEM RESTORED TO NORM NAME OF INSPECTOR INSPECTOR'S SIGNATURE	CITY PRE	SSURE OI		DATE  JASON JOHNSTO	7/25/12 DN		
LOCATED IN PENTHOUSE,	CITY PRE	SSURE OI		DATE	7/25/12 DN		
SYSTEM RESTORED TO NORM NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN	MAL OPERA	ATION	N 23 PSI	DATE  JASON JOHNSTO	7/25/12 DN		
SYSTEM RESTORED TO NORM NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN	MAL OPERA	ATION  PRESENTA	N 23 PSI	DATE  JASON JOHNSTO	7/25/12 DN	TIME	
SYSTEM RESTORED TO NORM NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN SIGNATURE OF PROPERTY OF	MAL OPERA  NTATIVE  WNER/REP	ATION  PRESENTATION  ancy & sto	TIVE	DATE  JASON JOHNSTO	7/25/12 DN Yes or N	TIME	
SYSTEM RESTORED TO NORM NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN	MAL OPERA  NTATIVE  WNER/REP  with occup	ATION  PRESENTATION  ancy & steel steel columns	TIVE ored commerceted?	DATE  JASON JOHNSTO  DAVID KUFFNER  odity?	7/25/12 DN	TIME  O YES O NO	



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Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	6/1/2012 9:00 AM 244888			X 2	7646 1633 2822	Martindale Ave S. Sprinkle Rd. S. Champagne 21 Beck Rd., Sui ) Arbor Tech Dr.	, Portage M Dr, Saginav te A-9, Wixo	l v MI om MI	
SERVICE ORGANIZAT	ION (CORPO	RATE)	]	PROPERT	ΓΥ Ν	IAME			
Vanguard Fire & Securi	ty			Name:	١	WAYNE STATE	- MORTUAR	Y SCIENCE	- 065
2101 Martindale Ave. S	W			Address:	Ę	5439 WOODWA	RD		
Grand Rapids, MI 49509				DETROIT,					
Crana Rapids, IVII 4500	<u> </u>		ı	DETITOTI,	, IVII ·	40202			
Technician: JASON JOHNSTON			Owner Contact:		t:	PRENTIS/ [	FNER		
TROY TYLER			Telephone:				(313) 684-6310		
Telephone:	800-444-871	19	Approving Agency:			ency:	DETROIT FIRE DEPARTMENT		
			DDIOD TO	O ANY TES	TINI	C			
NOTIFICATIONS		YES		NUMBERS		<u> </u>	WHO		TIME
BUILDING OCCUPANTS		120	THORE	HOMBERO			*****		111112
BUILDING MANAGEMEN	Т	Χ	(313)	684-6310	F	PRENTIS / DAVID	KUFFNER		9:00 AM
MONITORING ENTITY		X	,			CAMPUS SECUR		9:00 AM	
2ND MONITORING ENTIT	ΓΥ								
AHJ (NOTIFIED) OF IMPA	AIRMENTS								
			SYSTEM	INFORMAT	TION				1
GENERAL INFORMATIO		10					YES	NO	N/A
Is the building occu      Is the building fully		17					X		
2. Is the building fully		ification ain	oo the leet i	noncotion?			X		
<ul><li>3. System(s) in service</li><li>4. Spare heads and h</li></ul>							X		
5. Stock/Storage a m					os in	nlace?	^	X	
6. Are all gauges in g							Χ	^	
7. Wet system areas		•	, and	Caroning He		100001001	X		
2.2,2.2									



ΆL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1.471
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
	Turios indirector.			
SPR	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		14,71
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?		Χ	
3.	Are all sprinkler heads less than 50 years old?	Χ	Λ	
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		<del>                                     </del>
6.	Hydraulic nameplate in place and OK?	X		
	System ID securely attached & legible?	X		<del> </del>
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		<del>                                     </del>
9.	Are all hangers OK?	X		
	Seismic bracing OK?	^		
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		^
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
<u> </u>	Was the local alarm tested & OK?	X	110	IVA
2.	Did Central Station receive Flow Alarm Test?	X		
<u>2.</u> 3.	Did Central Station receive Tow Alarm Test:  Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?	^	X	
4 5.	Is alarm valve trim OK & set properly?	X	^	
	No leakage from retard chambers or alarm drains?	X		
6. 7.	Was Inspector Test performed and results OK?	X		
<u>/ .                                    </u>	was inspector rest performed and results OK?	^		
	DIDE CYCTEM INCDECTION (DI)	VEC	NO	N/A
	PIPE SYSTEM INSPECTION (DI)  Dry pipe velves in convice % in good external condition?	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?	+		X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
<u>4.</u>	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
6.	All dry valves have been trip tested & OK (See Table 3)			X
7.	Dry pipe valves are in heated area?			X
8	Was customer informed that they need to drain all drum drips on a monthly basis?	1		X



T	ABLE 1	<u> </u>	AN <sup>-</sup>	TI-FREEZE I	LOOP					
	No.	Location of Loop					No. of Heads	Type of	Backflow	Temp
		N/A						,,		
T	ABLE 2		M <i>A</i>	AIN DRAIN 1	EST					
R	iser No.	Drain Size	Static Press		Residual F	Pressure (PSI)				
	1.	2"	12	7		120				
	2.									
	3.									
	4.									
т	ABLE 3		D.D.	Y SYSTEM	TEST					
1.	Valve	<del> </del>	J.	OISILIVI	1201	Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
١.	N/A									
2.										
_OC	ation of D	rum Drains	5					Tested?	Yes	No
<u>2.</u>										
			00117001			•				
T.	ABLE 4		CONTROL	VALVE IN	ORMATION	1				
T.	ABLE 4		CONTROL	VALVE INF	ORMATION	\ 				Tamper
		of Valve	CONTROL Accessible			Secured	Sealed	Locked	Supervised	Tamper Operation
		of Valve &Y)		Signs	Open YES		Sealed N/A	Locked N/A	Supervised YES	-
Qty	Туре с	&Y)	Accessible	Signs	Open	Secured			-	Operation
Qty 1	Type o	&Y) S&Y)	Accessible YES YES YES	Signs NO NO NO	Open YES YES YES	Secured YES YES YES	N/A N/A YES	N/A	YES	Operationa YES
1 1 3	Type of MAIN (OS) PUMP (OS) BYPASS (I) TEST HEAD	&Y) S&Y) OS&Y) DER (OS&Y)	Accessible YES YES YES YES YES	Signs NO NO NO	Open YES YES YES N/C	Secured YES YES YES YES YES	N/A N/A YES YES	N/A N/A N/A N/A	YES YES N/A N/A	Operationa YES YES N/A N/A
Qty 1 1 3 1 2	Type of MAIN (OS6 PUMP (OS6 BYPASS (OTEST HEAD SECTION)	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y)	Accessible YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO	Open YES YES YES N/C YES	Secured YES YES YES YES YES YES YES	N/A N/A YES YES N/A	N/A N/A N/A N/A N/A	YES YES N/A N/A YES	YES YES N/A N/A YES
1 1 3 1 2	Type of MAIN (OSA PUMP (OSA BYPASS (ITEST HEAD SECTIONA ELEVATO	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL)	Accessible YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO YES	Open YES YES YES N/C YES YES YES	Secured YES YES YES YES YES YES YES YES YES	N/A N/A YES YES N/A	N/A N/A N/A N/A N/A N/A	YES YES N/A N/A YES YES	YES YES N/A N/A YES YES
Qty 1 1 3 1 2	Type of MAIN (OS6 PUMP (OS6 BYPASS (OTEST HEAD SECTION)	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL)	Accessible YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO	Open YES YES YES N/C YES	Secured YES YES YES YES YES YES YES	N/A N/A YES YES N/A	N/A N/A N/A N/A N/A	YES YES N/A N/A YES	YES YES N/A N/A YES
2ty 1 1 3 1 2 1	Type of MAIN (OSA PUMP (OSA BYPASS (OTEST HEAD SECTIONA ELEVATO SECTIONA	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL) AL (BFLY)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO YES NO	Open YES YES YES N/C YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A YES YES N/A	N/A N/A N/A N/A N/A N/A	YES YES N/A N/A YES YES	YES YES N/A N/A YES YES
Qty 1 1 3 1 2 1 T	Type of MAIN (OSA) PUMP (OSA) BYPASS (INTEST HEAD SECTIONA) ELEVATOR SECTIONA ABLE 5	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL) AL (BFLY)	Accessible YES YES YES YES YES YES YES YES YES ACKFLOW/C	Signs NO NO NO NO NO NO NO YES NO	Open YES YES YES N/C YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A YES YES N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A YES YES YES	YES YES N/A N/A YES YES YES YES
Qty 1 1 3 1 2 2 1 TNo.	Type of MAIN (OSA) PUMP (OSA) BYPASS (INTEST HEAD) SECTIONA ELEVATO SECTIONA ABLE 5 PUR	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL) AL (BFLY)  B POSE	Accessible YES YES YES YES YES YES YES YES ACKFLOW/CI	Signs NO NO NO NO NO NO YES NO HECK VALV	Open YES YES YES N/C YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A YES YES N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A YES YES YES YES	YES YES N/A N/A YES YES
1 1 3 1 2 2 1 TNo.	Type of MAIN (OSA PUMP (OSA BYPASS (INTEST HEAD SECTIONAL SECTIONAL ABLE 5 PUR DETECTO	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) AL (BBALL) AL (BFLY)  B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO YES NO HECK VALV MODEL E-1	Open YES YES YES N/C YES YES YES YES YES YES OF INFORMATION OF ITEM OF	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A YES YES N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES YES ROOM 115	YES YES N/A N/A YES YES YES YES
1 1 3 1 2 2 1 Tolo.	Type of MAIN (OSA PUMP (OSA BYPASS (INTEST HEAD SECTIONAL SECTIONAL ABLE 5 PUR DETECTO	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL) AL (BFLY)  B POSE	Accessible YES YES YES YES YES YES YES YES ACKFLOW/CI	Signs NO NO NO NO NO YES NO HECK VALV MODEL E-1 SWING	Open YES YES YES N/C YES YES YES YES YES YES YES YES 34"	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A YES YES N/A N/A N/A N/A  LAST INSP 2010 2010	N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES YES ROOM 115 ROOM 115	YES YES N/A N/A YES YES YES YES
1 1 3 1 2 2 1 T.No. 1. 2. 3.	Type of MAIN (OSA PUMP (OSA BYPASS (INTEST HEAD SECTIONAL SECTIONA	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) AL (BBALL) AL (BFLY)  B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO YES NO HECK VALV MODEL E-1 SWING C-2	Open YES YES YES N/C YES YES YES YES YES YES YES OF INFORMA SIZE 6" 3/4" 6"	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A YES YES N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	YES YES N/A N/A N/A YES YES YES ROOM 115	YES YES N/A N/A YES YES YES YES
T T. S. J	Type of MAIN (OSA PUMP (OSA BYPASS (OTEST HEAD SECTIONAL	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL) AL (BFLY)  B POSE OR CHECK OR BYPASS	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO YES NO HECK VALV MODEL E-1 SWING	Open YES YES YES N/C YES YES YES YES YES YES YES YES 34"	Secured           YES           1975           1975           1975	N/A N/A YES YES N/A N/A N/A N/A 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A O O O O O O O O O O O O O O O O O O O	YES YES N/A N/A YES YES YES ROOM 115 ROOM 115	YES YES N/A N/A YES YES YES YES
2ty 1 1 3 1 2 2 1 TNo. 1. 2. 3.	Type of MAIN (OSA PUMP (OSA BYPASS (FEST HEAD SECTIONAL	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL) AL (BFLY)  B POSE DR CHECK DR BYPASS	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO YES NO HECK VALV MODEL E-1 SWING C-2 WAFER	Open YES YES YES N/C YES YES YES YES YES OF INFORMATION OF THE OF	Secured	N/A N/A YES YES N/A N/A N/A N/A 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A YES YES YES YES ROOM 115 ROOM 115 ROOM 115	YES YES N/A N/A YES YES YES YES
1 1 3 1 2 2 1 1	Type of MAIN (OSA PUMP (OSA BYPASS (VALUE OF TEST HEAD SECTIONAL SECTIONAL SECTIONAL ABLE 5 PUR DETECTO DETECTO DETECTO BYPASS PUMP ALARM CH	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) AL (OS&Y) AL (BBALL) AL (BFLY)  B POSE OR CHECK OR BYPASS  HECK ONG	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO YES NO HECK VALV MODEL E-1 SWING C-2 WAFER E	Open     YES     YES     YES     N/C     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES	Secured	N/A N/A YES YES N/A N/A N/A N/A  LAST INSP 2010 2010 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A YES YES YES YES ROOM 115 ROOM 115 ROOM 115 ROOM 115 ROOM 115	YES YES N/A N/A YES YES YES YES
2ty 1 3 1 2 2 1 1 T.No. 1. 2. 3. 4. 5. 6. 7.	Type of MAIN (OSA PUMP (OSA BYPASS (INTEST HEAD SECTIONAL SECTIONA	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL) AL (BFLY)  B POSE DR CHECK DR BYPASS  HECK ONG LINE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO YES NO HECK VALV MODEL E-1 SWING C-2 WAFER E SWING	Open YES YES YES N/C YES YES YES YES OF OF OF OF OF OF OF OF OF OF OF OF OF O	Secured	N/A N/A YES YES N/A N/A N/A N/A  LAST INSP 2010 2010 2010 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES YES  COCA ROOM 115 ROOM 115 ROOM 115 ROOM 115 ROOM 115 ROOM 115	Operationa YES YES N/A N/A N/A YES YES YES
Qty 1 1 3 1 2 1	Type of MAIN (OSA PUMP (OSA BYPASS (INTEST HEAD SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SECTIONAL SEC	&Y) S&Y) OS&Y) DER (OS&Y) AL (OS&Y) R (BBALL) AL (BFLY)  B POSE DR CHECK DR BYPASS  HECK ONG LINE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO YES NO HECK VALV MODEL E-1 SWING C-2 WAFER E SWING SWING	Open YES YES YES N/C YES YES YES YES YES YES 'E INFORMA' SIZE 6" 6" 6" 6" 6" 6" 6" 6" 1½"	Secured     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES  ATION  YEAR     1975     1975     1977     1978     1977     1977	N/A N/A YES YES N/A N/A N/A N/A  LAST INSP 2010 2010 2010 2010 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES YES YES ROOM 115 ROOM 115 ROOM 115 ROOM 115 ROOM 115 ROOM 115 ROOM 115	Operational YES YES N/A N/A YES YES YES YES



TYPE	YES	NO NO	MISES MONITOR	COMME	NTC
		NO	IIIVIE	COMME	NIS
ALARM SIGNAL	X				
ALARM RESTORAL	X				
TROUBLE SIGNAL	X				
TROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	X				
SUPERVISORY RESTORAL	X				
TYPE	YES		WH	10	TIME
TYPE	YES		WH	10	TIME
BUILDING OCCUPANTS					
BUILDING MANAGEMENT	X	VINCENT / I	DAVID KUFFNER		
MONITORING ENTITY	X	CAMPUS SI	ECURITY		
OND MONITODING ENTITY					
2ND MONITORING ENTITY					
AHJ (NOTIFIED) OF IMPAIRMENTS	 \S PERFOR	MED IN ACCO	RDANCE WITH A	APPLICABLE NFPA STANDA	ARDS

#### ALL SIGNALS RECEIVED AND RESET

ALL SPRINKLER HEADS ARE RECALLED AND SHOWING SIGNS OF CORROSION ON SEATS AT PRIORITY a REPAIRS. FOUR HEADS MATCHED ON TO DROPS AND HARD TO REMOVE WITHOUT MAJOR MESES. AS MANY OF THESE DROPS ARE ABOVE DRYWALL AND NOT ACCESSIBLE.

WATER GONG NOT WORKING, CLEANED OUT STRAINER, STILL NOT WORKING, ALSO SIGNS OF NESTS IN OUTSIDE GONG

WEST STAIRWELL UNDER STAIRS USED FOR STORAGE AND NO SPRINKLER COVERAGE

EXCESSIVE STORAGE IN RM 402. 2" VALVE ON MAIN DRAIN NEEDS REPLACED, HARD TO OPERATE

NOTE: FIRE ALARM PANEL LOCATED NEAR RISER RM 115

SYSTEM RESTORED TO NORMAL OPERA	TION DATE	6/1/1	12	TIME	11:00 AM	
NAME OF INSPECTOR	JASON JOH	HNSTON				
INSPECTOR'S SIGNATURE						
NAME OF PROPERTY OWNER/REPRESEN	ITATIVE DAVID KUF	DAVID KUFFNER				
SIGNATURE OF PROPERTY OWNER/REP	RESENTATIVE					
Is system code compliant with occupa	ncy & stored commodity?	Yes or No	YES			
Have the noted deficiencies/violations	been corrected?	Yes or No	NO			
Have the deficiencies/violations been	authorized for repair?	Yes or No	YES			
If no, please explain reason:	-					



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

	T			<del>-</del>	1		0144 0	
DATE:	6/1/12	6/1/12					e. SW, Gran I., Portage M	d Rapids MI
ARRIVAL TIME:	9:00 AM			X			e Dr, Sagina	
					28221 B	eck Rd., Su	iite A-9, Wix	om MI
WORK ORDER NUMBER:	244888				] 1050 Arl	bor Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION	N (CORPORA	ATE)		7	PROPER <sup>3</sup>	TY NAME		
Vanguard Fire & Security	nguard Fire & Security				Name: MORTUARY SCIENCE - 06			E - 065
2101 Martindale Ave. SW	·				Address:	5439 WO		
							3B 117 (ICB	
Grand Rapids, MI 49509					DETROIT	, MI 48202		
				٦			<u> </u>	
Technician:	J. JOHNS	TON		4	Owner Co	ntact:	VINCENT	D KUFFNER
	<u> </u>			4	Telephone	e:	(313) 684-	4179
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.
NOTIFICATIONS		VEO	PRIOR TO AN		1	WIII0		TIME
NOTIFICATIONS		YES	PHONE	NUMBER		WHO		TIME
BUILDING OCCUPANTS BUILDING MANAGEMENT		X	(313) 69	34-6310	DDENITIS /	DAVID KUF	ENED	9:00 AM
MONITORING ENTITY		X	(313) 00	34-0310	CAMPUS S		INLIX	9:00 AM
2ND MONITORING ENTITY								3.337
AHJ (NOTIFIED) OF ANY IMP	PAIRMENTS							
		FIRE PUM	P & JOCKEY		RMATION			
	<del>.</del>		FIRE PUN					
MANUFACTURER	A	LLIS CHAL	MERS	RATE GPM			750	
MODEL		KSJY	4.4	RATE PSI	,		81	
SERIAL NUMBER TYPE		791-30370 SPLITCA		PSI @ 1509 MAX PRES		68 90		
RATED RPM		1760	<u>3E</u>	AUTO STAF			YES	
IMPELLER SIZE		14		SATISFIED			135	
HORSE POWER		50		AUTO STO		1	NO	
WATER SUPPLY		CITY		RUN TIMER			N/A	
				•				
			FIRE PUM	PDRIVER				
MANUFACTURER		LINCOL	N	FRAME	326TS	RATED RP	М	1770
MODEL		TV-3616-	A1	VOLTAGE	200	HZ		60
SERIAL NUMBER		204291		AMP	144	HORSE PC		50
TYPE		ELECTR	IC	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP	CONTROL			
MANUFACTURER	FIRE TROL	HORSE POWER RATING			50
MODEL	FTA-1250B-A50H	VOLTAGE		20	0-203
SERIAL NUMBER	AL NUMBER 105875 AMP RMS				2,000
	JOCKEY P	UMP DATA			
MANUFACTURER					" OUT = 1"
MODEL	CR-2 START PRESSURE (ON)				GAUGE
SERIAL NUMBER	FK-9978928-01 STOP PRESSURE (OFF)				135
HORSE POWER	2	VOLTAGE			460
	_				
	REMOTE AL AF	RMS PROVIDED			
DISPLAYED AT	PANEL	PHASE REVERSAL		,	YES
PUMP RUNNING	YES	PUMP ROOM LOW TEM	D		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
AC EOSS OF TOWER	TLO	LOW BIESEET GEE			IN/A
	EIDE DI IMP T	EST REPORT			
Inspection of Pump	FIRE PUWIP I	ESTREPORT	YES	NO	N/A
1. System found in service?			X	NO	IN/A
	n				
2. Fire pump controller in automatic service			X		
3. Jockey pump controller in service on auto	) (				
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
<ol><li>Suction, discharge and bypass valves op</li></ol>			X		
10. Piping, valves and fittings free from leak	s?		X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exerci	sed?		X		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
<ol><li>Controller selector switch in auto position</li></ol>	?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?					Χ
10. Water strainer cleaned?					X
11. Wire chafing inspected?					Χ
12. Pressure recorder reset and graph paper	er present?				Χ
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



	. 2011011 01 1	FIRE PUMP AND PIPING (	JOHN CITE!	YES	NO	N/A
1. Valves in proper position and in good co	X	NO	IN/A			
2. Are all valves listed for application?	X					
3. Valves locked, sealed or supervised?	X					
4. Are all valves tagged and identified?	X					
5. Jockey pump operational?	X					
6. Packing glands appear properly adjuste	d?			X		
7. Bi-monthly test records available?						Х
8. Were automatic starts performed?				Χ		
9. Were manual starts performed?				Χ		
10. Did automatic and manual starts and	stops function p	roperly?		Χ		
11. Remote alarm conditions demonstrated	d?			X		
12. Are drains operational and ok?				X		
13. Does fire pump shaft and coupling app		rly aligned?	·	X		
14. Does jockey pump appear to be aligne				Χ		
15. Does fire pump have casing relief valve		nction properly?		Χ		
<ol><li>16. Is test header in good condition and dr</li></ol>				X		
17. Supplying tank or reservoir appears to	be in satisfactor	ry condition?				X
18. Tank water level ok?						X
19. At completion, was pump returned to a				X		
20. Site personnel were offered instruction		ions?		X		
21. Sensing lines for jockey and fire pump	separate?				X	
22. Power transfer switch tested and ok?						
						X
	FLO	NW INCRECTION REPORT	-			X
	FLO	W INSPECTION REPORT		ELOW.	4500	
Fire Pump Flow Test Report	FLO	CHURN	100%	FLOW		% FLOW
Fire Pump Flow Test Report RPM During Test	FLO	<b>CHURN</b> 1793	100% 17	68	,	% <b>FLOW</b>
Fire Pump Flow Test Report RPM During Test Voltage During Test	FLO	CHURN 1793 195 195 194	100% 17 190 18	68 39 190	187	% <b>FLOW</b> 1760 188 189
Fire Pump Flow Test Report RPM During Test Voltage During Test	FLO	<b>CHURN</b> 1793	100% 17 190 18	68	187	% <b>FLOW</b>
Fire Pump Flow Test Report RPM During Test Voltage During Test Amperage During Test	FLO	CHURN 1793 195 195 194 67 68 68	100% 17 190 18	68 39 190	187	% <b>FLOW</b> 1760 188 189
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD	FLO	CHURN 1793 195 195 194 67 68 68	100% 17 190 18 150 18	68 39 190 51 150	187	% FLOW 1760 188 189 180 179
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE	FLO	CHURN 1793 195 195 194 67 68 68  81 37	100% 17 190 18 150 18	68 39 190	187	% FLOW 1760 188 189 180 179
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE  DISCHARGE PRESSURE		CHURN 1793 195 195 194 67 68 68	100% 17 190 18 150 18	68 39 190 51 150 6 08	187	% FLOW 1760 188 189 180 179
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE		CHURN 1793 195 195 194 67 68 68  81 37 128	100% 17 190 18 150 18	68 39 190 51 150 6 08	187	% FLOW 1760 188 189 180 179 17 75
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE  DISCHARGE PRESSURE  NET HEA		CHURN 1793 195 195 194 67 68 68  81 37 128	100% 17 190 18 150 18	68 39 190 51 150 6 08	187	% FLOW 1760 188 189 180 179 17 75
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE  DISCHARGE PRESSURE  NET HEA		CHURN 1793 195 195 194 67 68 68  81 37 128 91	100% 17 190 18 150 18 2 10 8	68 39 190 51 150 6 08 2	187 179	% FLOW 1760 188 189 180 179 17 75 58
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE  DISCHARGE PRESSURE  NET HEAD  RATED GPM  DUTLET A PITOT		CHURN 1793 195 195 194 67 68 68  81 37 128 91	100% 17 190 18 150 18 2 10 8	68 39 190 51 150 6 08	187 179	% FLOW 1760 188 189 180 179 17 75
Fire Pump Flow Test Report RPM During Test Voltage During Test Amperage During Test RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEA  RATED GPM DUTLET A PITOT		CHURN 1793 195 195 194 67 68 68  81 37 128 91 0 NA	100% 17 190 18 150 18 2 10 8	68 39 190 51 150 6 08 2	187 179	% FLOW 1760 188 189 180 179 17 75 58
Fire Pump Flow Test Report RPM During Test Voltage During Test Amperage During Test RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE NET HEA RATED GPM DUTLET A PITOT DUTLET B PITOT		CHURN 1793 195 195 194 67 68 68  81 37 128 91 0 NA NA	100% 17 190 18 150 18 2 10 8	68 39 190 51 150 6 08 2	187 179	% FLOW 1760 188 189 180 179 17 75 58
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE  DISCHARGE PRESSURE  NET HEA  RATED GPM  DUTLET A PITOT  DUTLET B PITOT  DUTLET C PITOT  DUTLET D PITOT		CHURN  1793  195 195 194  67 68 68  81  37  128  91  0  NA  NA  NA	100% 17 190 18 150 18 2 10 8	68 39 190 51 150 6 08 2	187 179	% FLOW 1760 188 189 180 179 17 75 58
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE  DISCHARGE PRESSURE	D 750	CHURN 1793 195 195 194 67 68 68  81 37 128 91  0 NA NA NA NA	100% 17 190 18 150 18 2 10 8	68 39 190 51 150 6 08 2	187 179	% FLOW 1760 188 189 180 179 17 75 58
Fire Pump Flow Test Report  RPM During Test  Voltage During Test  Amperage During Test  RATED NET HEAD  SUCTION PRESSURE  DISCHARGE PRESSURE  NET HEA  RATED GPM  OUTLET A PITOT  OUTLET B PITOT  OUTLET C PITOT  OUTLET D PITOT  OUTLET D PITOT	750 750	CHURN 1793 195 195 194 67 68 68  81 37 128 91  0 NA NA NA NA NA NA	100% 17 190 18 150 18 22 10 8	68 39 190 51 150 6 08 2	187 179	% FLOW 1760 188 189 180 179 17 75 58 557 557

COMMENTS



TYPE

BATTERY CONDITION			N/A					
VOLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
	<b>EMERGEN</b>	CY COMM	UNICATION E	QUIPMENT:ON	OFF MON	ITORING		
TYPE	YES	NO	TIME			COMMEN	TS	
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL	X							
TROUBLE RESTORAL	X							
SUPERVISORY SIGNAL								
SUPERVISORY RESTORAL								
			TIONS THAT	ESTING IS CO				
TYPE		YES		WHO				TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X		AVID KUFFNEF	?			12:00PM
MONITORING ENTITY		X	CAMPUS SE	CURITY			1	12:00PM
	IRMENTS							
AHJ (NOTIFIED) OF ANY IMPA  THIS TESTI	ING WAS PE	OR'S CC	OMMENTS	ANCE WITH AF			NDARDS	
THIS TESTI  POWER BULB ON FIRE PUI	ING WAS PENSPECTO	OR'S CC	OMMENTS	AND RECO			NDARDS	
AHJ (NOTIFIED) OF ANY IMPA  THIS TESTI  II  POWER BULB ON FIRE PUI  SENSING LINES SEPARATE	ING WAS PE NSPECTO MP CONTR ED - 2012	OR'S CO	OMMENTS	AND RECO		PATIONS	NDARDS	12:00PM
	ING WAS PE NSPECTO MP CONTR ED - 2012	OR'S CO	OMMENTS	AND RECO	MMEND	PATIONS		12:00PM
THIS TESTI  THIS TESTI  II  POWER BULB ON FIRE PUI  SENSING LINES SEPARATE  SYSTEM RESTORED TO NOR!	ING WAS PE NSPECTO MP CONTR ED - 2012	OR'S CO	OMMENTS	DATE	MMEND	PATIONS		12:00PM
THIS TESTI  THIS TESTI  IN  POWER BULB ON FIRE PUT  SENSING LINES SEPARATE  SYSTEM RESTORED TO NOR!  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	MAL OPERA	OR'S CO	OMMENTS	DATE	6/1	PATIONS		12:00PM
THIS TESTI  THIS TESTI  IN  POWER BULB ON FIRE PUI  SENSING LINES SEPARATE  SYSTEM RESTORED TO NOR!  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE!	MAL OPERA	OLLER B	DMMENTS BURNED OUT	DATE  JASON JOHN	6/1	PATIONS		12:00PM
THIS TESTI  THIS TESTI  POWER BULB ON FIRE PUI SENSING LINES SEPARATE  SYSTEM RESTORED TO NOR!  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE!  SIGNATURE OF PROPERTY O	MAL OPERA  NTATIVE  WITH OCCUPA	OLLER B	OMMENTS BURNED OUT	DATE  JASON JOHN  DAVID KUFFN	6/1	/12 Yes or No	TIME	12:00PM
THIS TESTI  THIS TESTI  POWER BULB ON FIRE PUI SENSING LINES SEPARATE  SYSTEM RESTORED TO NORI NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEI  SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE	MAL OPERA  NTATIVE  WITH OCCUPA  Siviolations	OLLER B ATION  RESENTA ancy & st	MMENTS BURNED OUT	DATE  JASON JOHN  DAVID KUFFN	6/1 STON	/12 Yes or No Yes or No	TIME YES NO	12:00PM
THIS TESTI  THIS TESTI  II  POWER BULB ON FIRE PUI  SENSING LINES SEPARATE  SYSTEM RESTORED TO NOR	MAL OPERA  NTATIVE  WITH OCCUPA  Siviolations	OLLER B ATION  RESENTA ancy & st	MMENTS BURNED OUT	DATE  JASON JOHN  DAVID KUFFN	6/1 STON	/12 Yes or No	TIME YES NO	12:00PM

**DIESEL BATTERY INSPECTION** 

**FUNCTIONAL** 

VISUAL



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA  Vanguard Fire & Secu 2101 Martindale Ave.	urity SW			PROPER Name:	764 163 282 105	WAYNE STATE 5435 WOODWA	., Portage M Dr, Sagina te A-9, Wixe Suite F, He	II w MI om MI bron KY	
Grand Rapids, MI 495	09		]	DETROI	T, MI	48202			
Technician:	chnician: JASON JOHNSTON			Owner C		ot:	PRENTIS / DAVID KUFFNER		
Telephone:	800-444-871	19		Telephone: Approving Agency:			(313) 684-6310  DETROIT FIRE DEPARTMENT		
			PRIOR TO	ANY TE	STIN	IG			
NOTIFICATIONS		YES		NUMBER			WHO		TIME
BUILDING OCCUPANTS	S								
BUILDING MANAGEME	NT	X	(313) 6	684-6310		PRENTIS / DAVID			6:30AM
MONITORING ENTITY		X				CAMPUS SECUR	ITY		6:30AM
2ND MONITORING ENT									
AHJ (NOTIFIED) OF IMI	PAIRMENTS								<u> </u>
			SYSTEM	INFORMA	TION	ı			
GENERAL INFORMATI	ON (GI)		SISIEW	IIII OKWA	1101	•	YES	NO	N/A
Is the building oc		t?					X		1471
Is the building ful								Χ	
3. System(s) in serv	vice without mod	ification sin	ce the last in	spection	?		Χ		
4. Spare heads and								Χ	
5. Stock/Storage a								Χ	
<ol><li>Are all gauges in</li></ol>	•		oration, and	showing ı	norm	al pressures?	X		
<ol><li>Wet system area</li></ol>	s are adequately	/ heated?					X		<u> </u>



AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
<u>4.</u>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.	Valves lubricated?	^		V
7.	valves lubricated?			X
200	INIZI ED 9 DIDING INFORMATION (CI)	VEC	NO	NI/A
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			Х
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are Backflow i revenuers / Check valves present (ii yes, complete rable o)			
Λ I Λ	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X	NO	IN/A
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
2	Air aupply in good working order?			X
	Air supply in good working order?			
3.				X
3. 4.	Were low points drained during fall & winter inspections?			
3. 4. 5.	Were low points drained during fall & winter inspections?  Are accelerator(s) in good condition?			X
2. 3. 4. 5. 6.	Were low points drained during fall & winter inspections?			-



	•									
т.	ABLE 1	l	ΔNI	TI-FREEZE	LOOP					
- 17	No.	Location o		II-FNEEZE	LUUF		No. of Heads	Type of	Backflow	Temp
	NO.	N/A	ГЕООР				No. or rieaus	Type of	Dackilow	Tellip
		IN//A								
T	ABLE 2		M	AIN DRAIN	TEST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1.	2"	90			N/A				
	2.									
	3.									
	4.									
	5.									
T	ABLE 3		DR	Y SYSTEM	TEST	l <u>a</u>			<del>1 =</del>	T
	Valve			<b>.</b>		Starting Air	04.4	<b>.</b>	Trip Air	Tulu Ti
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	N/A									
2.										
3.	otion of D	<u>l</u> rum Drains						Tested?	Yes	No
	ation of D	ruili Drailis	<b>5</b>					resteur	162	NO
1. 2.										
3.										
<del>4</del> .										
	<u> </u>									
T	ABLE 4		CONTROI	VALVE IN	FORMATION	l				
		•								
Qty	Type of									Tamper
_		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operationa
	DETECTO	R CHECK	YES	NO	YES	YES	N/A	N/A	YES	Operationa YES
3	DETECTO BYPASS (	OR CHECK OS&Y)	YES YES	NO NO	YES YES	YES YES	N/A N/A	N/A N/A	YES YES	Operationa YES YES
3 1	DETECTO BYPASS ( PUMP (OS	OS&Y)	YES YES YES	NO NO NO	YES YES YES	YES YES YES	N/A N/A N/A	N/A N/A N/A	YES YES YES	Operationa YES YES YES
3 1 1	DETECTO BYPASS ( PUMP (OS TEST HEAL	OS&Y) OS&Y) OER (OS&Y)	YES YES YES YES	NO NO NO	YES YES YES N/C	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES	Operationa YES YES YES YES YES
3 1 1 6	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y)	YES YES YES YES YES	NO NO NO NO	YES YES YES N/C YES	YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES YES YES	Operationa YES YES YES YES YES YES
3 1 1 6	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA	OS&Y) OS&Y) OER (OS&Y)	YES YES YES YES	NO NO NO	YES YES YES N/C	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES	Operationa YES YES YES YES YES
3 1 1 6 1	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL)	YES YES YES YES YES YES YES	NO NO NO NO NO	YES YES YES N/C YES YES YES	YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES YES YES	Operationa YES YES YES YES YES YES
3 1 1 6 1	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL)	YES YES YES YES YES YES YES ACKFLOW/C	NO NO NO NO NO NO NO HECK VALV	YES YES YES N/C YES YES YES	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES	Operationa YES YES YES YES YES YES YES YES
3 1 1 6 1 T.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE	YES YES YES YES YES YES ACKFLOW/C MFG	NO NO NO NO NO NO NO MO MO MO MO MO MO MO MO MO MO MO MO MO	YES YES YES N/C YES YES YES YES YES	YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A LAST INSPE	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES	Operationa YES YES YES YES YES YES YES YES YES
3 1 1 6 1 T. No.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE OR CHECK	YES YES YES YES YES YES ACKFLOW/C MFG AMES	NO NO NO NO NO NO NO MO MO HECK VALV MODEL	YES YES N/C YES YES YES YES YES YES YES YES YE INFORMA SIZE 6"	YES YES YES YES YES YES YES YES TION YEAR 1994	N/A N/A N/A N/A N/A N/A LAST INSPE	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES BSMT MECH F	Operationa YES YES YES YES YES YES YES ATION RM KITCHEN
3 1 1 6 1 T. No. 1. 2.	DETECTO BYPASS ( PUMP (OS) TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO DETECTO	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD	NO NO NO NO NO NO NO MO HECK VALV MODEL 1000 SWING	YES YES N/C YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES TION YEAR 1994 1994	N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES BSMT MECH F	YES YES YES YES YES YES YES YES YES YES
3 1 1 6 1 No. 1. 2. 3.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO PUMP	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE OR CHECK	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD KENNEDY	NO NO NO NO NO NO NO SWING UT	YES YES YES N/C YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES TION YEAR 1994 1994 2010	N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010 2011	N/A N/A N/A N/A N/A N/A N/A CECTED	YES YES YES YES YES YES YES BSMT MECH F BSMT MECH F	YES YES YES YES YES YES YES YES ATION RM KITCHEN RM KITCHEN
3 1 6 1 T, No. 1. 2. 3.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO DETECTO PUMP BYPASS	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE OR CHECK	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD KENNEDY VIKING	NO NO NO NO NO NO NO SWING UT B	YES YES YES N/C YES YES  YES  **E INFORMA **SIZE 6" 3'4" 4" 4" 4"	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010 2011 2010	N/A N/A N/A N/A N/A N/A N/A SECTED	YES YES YES YES YES YES YES YES BSMT MECH F BSMT MECH F BSMT MECH F	YES YES YES YES YES YES YES YES YES ATION RM KITCHEN RM KITCHEN RM KITCHEN RM KITCHEN
3 1 6 1 No. 1. 2. 3. 4.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA SECTIONA DETECTO DETECTO PUMP BYPASS FDC	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE OR CHECK	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD KENNEDY VIKING VIKING	NO NO NO NO NO NO HECK VALV MODEL 1000 SWING UT B B	YES YES YES N/C YES YES YES YES YES YES YES YE INFORMA SIZE 6" 3¼" 4" 4" 4"	YES YES YES YES YES YES YES YES YES 1994 1994 2010 1965 1965	N/A N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010 2011 2010 2010	N/A N/A N/A N/A N/A N/A N/A CECTED	YES YES YES YES YES YES YES YES BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F	YES YES YES YES YES YES YES YES ATION RM KITCHEN RM KITCHEN RM KITCHEN RM KITCHEN RM KITCHEN RM KITCHEN
3 1 6 1 7 No. 1. 2. 3. 4. 5.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO DETECTO PUMP BYPASS	PR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL)  POSE DR CHECK DR BYPASS	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD KENNEDY VIKING	NO NO NO NO NO NO NO SWING UT B	YES YES YES N/C YES YES  YES  **E INFORMA **SIZE 6" 3'4" 4" 4" 4"	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010 2011 2010	N/A N/A N/A N/A N/A N/A N/A CECTED	YES YES YES YES YES YES YES YES BSMT MECH F BSMT MECH F BSMT MECH F	YES YES YES YES YES YES YES YES YES YES



		ON / OFF PRE	MISES MONITORING	3
TYPE	YES	NO	TIME	COMMENTS
ALARM SIGNAL	X			
ALARM RESTORAL	X			
TROUBLE SIGNAL	X			
TROUBLE RESTORAL	X			
SUPERVISORY SIGNAL	X			
SUPERVISORY RESTORAL	X			
	NOTIF	CATIONS TH	AT TESTING IS COM	IPLETE
TYPE	YES		WHO	TIME
BUILDING OCCUPANTS				
BUILDING MANAGEMENT	X	PRENTIS/ D	AVID KUFFNER	3:30 F
	X	CAMPUS SE	CURITY	3:30 F
MONITORING ENTITY				
MONITORING ENTITY 2ND MONITORING ENTITY				
2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS	AS PERFOR	MED IN ACCO	PRDANCE WITH APP	PLICABLE NFPA STANDARDS
2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS THIS TESTING WA				PLICABLE NFPA STANDARDS MMENDATIONS

MANY CEILING TILES MISSING THROUGH OUT FACILITY

If no, please explain reason:

ALL FIRE HOSES ARE DATED 10-1985 AND SHOULD BE REMOVED OR REPLACED

NOTE: WHEN PUMP IS RUNNING, TAMPER ALARM IN BOILER RM HORN/STROBE GOES OFF. PUMP AND RISER IN BSMT BY OLD KITCHEN,
FLRS 2-4 IN SOUTH STAIRWELL, ALARM PANEL MAIN LOBBY

SYSTEM RESTORED TO NORMAL OPERATION	DATE	6/11/	12	TIME	3:00PM
NAME OF INSPECTOR	JASON JOHN	STON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
La contama and a compliant with a company Q at and a		Van an Na	IVEO		
Is system code compliant with occupancy & stored co	mmoaity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected	?	Yes or No	NO		
Have the deficiencies/violations been authorized for re	nair?	Yes or No	YES	•	•



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA  Vanguard Fire & Secur 2101 Martindale Ave. S	rity			PROPER Name:	764 163 282 105	WAYNE STATE 5425 WOODWA	, Portage M Dr, Sagina te A-9, Wixo Suite F, He	II w MI om MI bbron KY	
Grand Rapids, MI 4950	)9		]	DETROI	T, MI	48202			
Technician: JASON JOHNSTON		NSTON	]	Owner Contact:		PRENTIS / DAVID KUFFNE		FFNER	
Telephone: 800-444-8719		Telephone: Approving Agency:			(313) 684-6310  DETROIT FIRE DEPARTMENT				
			PRIOR TO	ANY TE	STIN	IG			
NOTIFICATIONS		YES		NUMBER			WHO		TIME
BUILDING OCCUPANTS	3								
BUILDING MANAGEMEN	NT	X	(313) 684-6310 PRENTIS / DA		PRENTIS / DAVID			6:30AM	
MONITORING ENTITY		X				CAMPUS SECUR	ITY		6:30AM
2ND MONITORING ENTI									
AHJ (NOTIFIED) OF IMP	AIRMENIS								
			SYSTEM	INFORMA	ATION	J			
GENERAL INFORMATION	ON (GI)		OTOTEM	iiii Oitiiii	*****	•	YES	NO	N/A
Is the building occ		t?					X		
2. Is the building fully	y sprinkled?							Χ	
<ol><li>System(s) in servi</li></ol>					?		X		
4. Spare heads and								X	
5. Stock/Storage a m						•		X	
6. Are all gauges in	•	•	bration, and	showing i	norm	al pressures?	X		
7. Wet system areas	are adequately	neated?					X		



AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
<u>4.</u>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.	Valves lubricated?	^		V
7.	valves lubricated?			X
200	INIZI ED 9 DIDING INFORMATION (CI)	VEC	NO	NI/A
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			Х
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are Backflow i revenuers / Check valves present (ii yes, complete rable o)			
Λ I Λ	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X	NO	IN/A
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
2	Air aupply in good working order?			X
	Air supply in good working order?			
3.				X
3. 4.	Were low points drained during fall & winter inspections?			
3. 4. 5.	Were low points drained during fall & winter inspections?  Are accelerator(s) in good condition?			X
2. 3. 4. 5. 6.	Were low points drained during fall & winter inspections?			-



	•									
т.	ABLE 1	l	ΔNI	TI-FREEZE	LOOP					
- 17	No.	Location o		II-FNEEZE	LUUF		No. of Heads	Type of	Backflow	Temp
	NO.	N/A	ГЕООР				No. or rieaus	Type of	Dackilow	Tellip
		IN//A								
T	ABLE 2		M	AIN DRAIN	TEST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1.	2"	90			N/A				
	2.									
	3.									
	4.									
	5.									
T	ABLE 3		DR	Y SYSTEM	TEST	l <u>a</u>			<del>1 =</del>	T
	Valve			<b>.</b>		Starting Air			Trip Air	Tulu Ti
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	N/A									
2.										
3.	otion of D	<u>l</u> rum Drains						Tested?	Yes	No
	ation of D	ruili Drailis	<b>5</b>					resteur	162	NO
1. 2.										
3.										
<del>4</del> .										
	<u> </u>									
T	ABLE 4		CONTROI	VALVE IN	FORMATION	l				
		•								
Qty	Type of									Tamper
_		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operationa
	DETECTO	R CHECK	YES	NO	YES	YES	N/A	N/A	YES	Operationa YES
3	DETECTO BYPASS (	OR CHECK OS&Y)	YES YES	NO NO	YES YES	YES YES	N/A N/A	N/A N/A	YES YES	Operationa YES YES
3 1	DETECTO BYPASS ( PUMP (OS	OS&Y)	YES YES YES	NO NO NO	YES YES YES	YES YES YES	N/A N/A N/A	N/A N/A N/A	YES YES YES	Operationa YES YES YES
3 1 1	DETECTO BYPASS ( PUMP (OS TEST HEAL	OS&Y) OS&Y) OER (OS&Y)	YES YES YES YES	NO NO NO	YES YES YES N/C	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES	Operationa YES YES YES YES YES
3 1 1 6	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y)	YES YES YES YES YES	NO NO NO NO	YES YES YES N/C YES	YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES YES YES	Operationa YES YES YES YES YES YES
3 1 1 6	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA	OS&Y) OS&Y) OER (OS&Y)	YES YES YES YES	NO NO NO	YES YES YES N/C	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES	Operationa YES YES YES YES YES
3 1 1 6 1	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL)	YES YES YES YES YES YES YES	NO NO NO NO NO	YES YES YES N/C YES YES YES	YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES YES YES	Operationa YES YES YES YES YES YES
3 1 1 6 1	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL)	YES YES YES YES YES YES YES ACKFLOW/C	NO NO NO NO NO NO NO HECK VALV	YES YES YES N/C YES YES YES	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES	Operationa YES YES YES YES YES YES YES YES
3 1 1 6 1 T.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE	YES YES YES YES YES YES ACKFLOW/C MFG	NO NO NO NO NO NO NO MO MO MO MO MO MO MO MO MO MO MO MO MO	YES YES YES N/C YES YES YES YES YES	YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A LAST INSPE	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES	Operationa YES YES YES YES YES YES YES YES YES
3 1 1 6 1 T. No.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE OR CHECK	YES YES YES YES YES YES ACKFLOW/C MFG AMES	NO NO NO NO NO NO NO MO MO HECK VALV MODEL	YES YES N/C YES YES YES YES YES YES YES YES YE INFORMA SIZE 6"	YES YES YES YES YES YES YES YES TION YEAR 1994	N/A N/A N/A N/A N/A N/A LAST INSPE	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES BSMT MECH F	Operationa YES YES YES YES YES YES YES ATION RM KITCHEN
3 1 1 6 1 T. No. 1. 2.	DETECTO BYPASS ( PUMP (OS) TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO DETECTO	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD	NO NO NO NO NO NO NO MO HECK VALV MODEL 1000 SWING	YES YES N/C YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES TION YEAR 1994 1994	N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES BSMT MECH F	YES YES YES YES YES YES YES YES YES YES
3 1 1 6 1 No. 1. 2. 3.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO PUMP	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE OR CHECK	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD KENNEDY	NO NO NO NO NO NO NO SWING UT	YES YES YES N/C YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES TION YEAR 1994 1994 2010	N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010 2011	N/A N/A N/A N/A N/A N/A N/A CECTED	YES YES YES YES YES YES YES BSMT MECH F BSMT MECH F	YES YES YES YES YES YES YES YES ATION RM KITCHEN RM KITCHEN
3 1 6 1 T, No. 1. 2. 3.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO DETECTO PUMP BYPASS	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE OR CHECK	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD KENNEDY VIKING	NO NO NO NO NO NO NO SWING UT B	YES YES YES N/C YES YES  YES  **E INFORMA **SIZE 6" 3'4" 4" 4" 4"	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010 2011 2010	N/A N/A N/A N/A N/A N/A N/A SECTED	YES YES YES YES YES YES YES YES BSMT MECH F BSMT MECH F BSMT MECH F	YES YES YES YES YES YES YES YES YES ATION RM KITCHEN RM KITCHEN RM KITCHEN RM KITCHEN
3 1 6 1 No. 1. 2. 3. 4.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA SECTIONA DETECTO DETECTO PUMP BYPASS FDC	OR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL) B POSE OR CHECK	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD KENNEDY VIKING VIKING	NO NO NO NO NO NO HECK VALV MODEL 1000 SWING UT B B	YES YES YES N/C YES YES YES YES YES YES YES YE INFORMA SIZE 6" 3¼" 4" 4" 4"	YES YES YES YES YES YES YES YES YES 1994 1994 2010 1965 1965	N/A N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010 2011 2010 2010	N/A N/A N/A N/A N/A N/A N/A CECTED	YES YES YES YES YES YES YES YES BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F	YES YES YES YES YES YES YES YES ATION RM KITCHEN RM KITCHEN RM KITCHEN RM KITCHEN RM KITCHEN RM KITCHEN
3 1 6 1 7 No. 1. 2. 3. 4. 5.	DETECTO BYPASS ( PUMP (OS TEST HEAD SECTIONA SECTIONA ABLE 5 PUR DETECTO DETECTO PUMP BYPASS	PR CHECK OS&Y) S&Y) DER (OS&Y) AL (OS&Y) AAL (BBALL)  POSE DR CHECK DR BYPASS	YES YES YES YES YES YES ACKFLOW/C MFG AMES WARD KENNEDY VIKING	NO NO NO NO NO NO NO SWING UT B	YES YES YES N/C YES YES  YES  **E INFORMA **SIZE 6" 3'4" 4" 4" 4"	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A LAST INSPE 2011 2010 2011 2010	N/A N/A N/A N/A N/A N/A N/A CECTED	YES YES YES YES YES YES YES YES BSMT MECH F BSMT MECH F BSMT MECH F	YES YES YES YES YES YES YES YES YES YES



		ON / OFF PRE	MISES MONITORING	3
TYPE	YES	NO	TIME	COMMENTS
ALARM SIGNAL	X			
ALARM RESTORAL	X			
TROUBLE SIGNAL	X			
TROUBLE RESTORAL	X			
SUPERVISORY SIGNAL	X			
SUPERVISORY RESTORAL	X			
	NOTIF	CATIONS TH	AT TESTING IS COM	IPLETE
TYPE	YES		WHO	TIME
BUILDING OCCUPANTS				
BUILDING MANAGEMENT	X	PRENTIS/ D	AVID KUFFNER	3:30 F
	X	CAMPUS SE	CURITY	3:30 F
MONITORING ENTITY				
MONITORING ENTITY 2ND MONITORING ENTITY				
2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS	AS PERFOR	MED IN ACCO	PRDANCE WITH APP	PLICABLE NFPA STANDARDS
2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS THIS TESTING WA				PLICABLE NFPA STANDARDS MMENDATIONS

MANY CEILING TILES MISSING THROUGH OUT FACILITY

If no, please explain reason:

ALL FIRE HOSES ARE DATED 10-1985 AND SHOULD BE REMOVED OR REPLACED

NOTE: WHEN PUMP IS RUNNING, TAMPER ALARM IN BOILER RM HORN/STROBE GOES OFF. PUMP AND RISER IN BSMT BY OLD KITCHEN,
FLRS 2-4 IN SOUTH STAIRWELL, ALARM PANEL MAIN LOBBY

SYSTEM RESTORED TO NORMAL OPERATION	DATE	6/11/	12	TIME	3:00PM
NAME OF INSPECTOR	JASON JOHN	STON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
La contama and a compliant with a company Q at and a		Van an Na	IVEO		
Is system code compliant with occupancy & stored co	mmoaity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected	?	Yes or No	NO		
Have the deficiencies/violations been authorized for re	nair?	Yes or No	YES	•	•



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

DATE:	6/11/12						I., Portage M	
ARRIVAL TIME:	6:30AM			X			Dr, Sagina	
WORK ORDER NUMBER:	244857						ite A-9, Wixe . Suite F, He	
				-	, 			
SERVICE ORGANIZATION	N (CORPORA	ATE)			PROPER1	YNAME		
Vanguard Fire & Security					Name:	WAYNE S	TATE - 5425	WOODWARD
2101 Martindale Ave. SW					Address:	5425 WOO	DDWARD	
Grand Rapids, MI 49509					DETROIT,	MI 48202		
				_				
Technician:	JASON J	OHNSTON			Owner Contact: PRENTIS/D KUFFI			O KUFFNER
<u> </u>					Telephone	):	(313) 684-6	6310
Telephone:	800-444-8	3719			Approving Agency: DETROIT		FIRE DEPT.	
			DDIOD TO AA	IV TEOTINO				
NOTIFICATIONS		YES	PRIOR TO AN			WHO		TIME
BUILDING OCCUPANTS			THORE ROME					
BUILDING MANAGEMENT		Χ	(313) 684-6310		PRENTIS / DAVID KUFFNER			6:30AM
MONITORING ENTITY		X	(1 1) 11 11		CAMPUS SECURITY			6:30AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMF	PAIRMENTS							
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUM			·		
MANUFACTURER		PEERLES		RATE GPM			500	
MODEL		4AF12B		RATE PSI			9.5	
SERIAL NUMBER		308126		PSI @ 150%				
TYPE		SPLITCAS	SE	MAX PRES				
RATED RPM		1770		AUTO STAF			75	
IMPELLER SIZE				SATISFIED			88	
HORSE POWER		20		AUTO STO			NO	
WATER SUPPLY		CITY		RUN TIMER	₹		N/A	
	1		FIRE PUMF	T	•	T		
MANUFACTURER		G.E.		FRAME	286U	RATED RP	M	1760
MODEL		5K4286A22		VOLTAGE	208	HZ		60
SERIAL NUMBER		05M80A		AMP	27.2	HORSE PC		20
TYPE		ELECTRI	C	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP (	CONTROL			
MANUFACTURER	EATON	HORSE POWER RATING	3		20
MODEL	LMT +	VOLTAGE			208
SERIAL NUMBER	16BG318E	AMP RMS		100,000	
	JOCKEY PU	MP DATA			
MANUFACTURER	PROCON	INLET/OUTLET SIZE			3/8
MODEL		START PRESSURE (ON)	)		81
SERIAL NUMBER	316P497	STOP PRESSURE (OFF)			92
HORSE POWER	1/3	VOLTAGE			115
	REMOTE ALARI	MS PROVIDED			
DISPLAYED AT	PANEL & ANNUNCIATOR	PHASE REVERSAL		,	YES
PUMP RUNNING	P		N/A		
AC LOSS OF POWER	YES YES	LOW DIESEL FUEL			N/A
	•				
	FIRE PUMP TE	ST REPORT			
Inspection of Pump			YES	NO	N/A
System found in service?			Χ		
Fire pump controller in automatic service	?		Χ		
Jockey pump controller in service on auto			Χ		
4. Is alarm panel clear?			Χ		
5. Is pump room secure?			Χ		
6. Heat, light and ventilation ok?			Χ		
7. Is pump room clean, dry and orderly?			Χ		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves op	en?		Χ		
10. Piping, valves and fittings free from leal			Χ		
11. Main relief valve functions ok?			Χ		
Electronic Pump Inspection			YES	NO	N/A
Isolation switch and circuit breaker exercite	ised?		Χ		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
2. Controller selector switch in auto position	1?				Х
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?	)				Х
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph paper	er present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	n properly?				X



•					
INSPECTION	N OF FIRE PUMP AND PIPING	COMPONENTS			
	101 11121 01111 7110 111 1110	YES	NO	N/A	
Valves in proper position and in good condition?		X			
2. Are all valves listed for application?		X			
Valves locked, sealed or supervised?		X			
I. Are all valves tagged and identified?		X			
5. Jockey pump operational?		X			
S. Packing glands appear properly adjusted?		X			
7. Bi-monthly test records available? B. Were automatic starts performed?		X		X	
Were manual starts performed?		X			
Did automatic and manual starts and stops fund	X				
Remote alarm conditions demonstrated?	X				
Are drains operational and ok?	X				
3. Does fire pump shaft and coupling appear to be	X				
4. Does jockey pump appear to be aligned ok?	X				
5. Does fire pump have casing relief valve and doe	X				
6. Is test header in good condition and drained?		X			
7. Supplying tank or reservoir appears to be in satisf			X		
8. Tank water level ok?			X		
9. At completion, was pump returned to automatic of	X				
10. Site personnel were offered instruction in pump of the structure of the pump separate?	^	X			
22. Power transfer switch tested and ok?	:	X	^		
22.1 Over transfer eviter toolea and ext					
	FLOW INSPECTION REPOR	Т			
Fire Pump Flow Test Report	CHURN	100% FLOW	150	% FLOW	
RPM During Test	1780	1762		1760	
oltage During Test	198 198 197	190 191 192	189	188 189	
Amperage During Test	20 21 20	49 49 48	50	50 50 50	
		1			
RATED NET HEAD	95	00		10	
SUCTION PRESSURE DISCHARGE PRESSURE	42	26		10	
NET HEAD	92 50	64 38		16	
NET HEAD		30		10	
RATED GPM 500	0				
OUTLET A PITOT	NA	503	T	750	
OUTLET B PITOT	NA	300			
OUTLET C PITOT	NA				
OUTLET D PITOT	NA				
OUTLET E PITOT	NA				
TOTAL FLOW	0	503		750	
RATED % OF FLOW		101%	•	150%	
Does Fire Pur	mp meet system specifications?	PASS X	FAIL		



		DII	SEL BATTER	RY INSPECTION			
TYPE		V	ISUAL	FUNCTION	AL	COMMEN	NTS
BATTERY CONDITION			N/A				
VOLTAGE							
BATTERY SIZE							
CHARGER VOLTAGE							
				QUIPMENT:ON/O		_	
TYPE	YES	NO	TIME		COMN	MENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL							
TROUBLE RESTORAL							
SUPERVISORY SIGNAL							
SUPERVISORY RESTORAL							
		NOTIFICA	TIONS THAT	TESTING IS COMP	LETE		
TYPE		YES		WHO			TIME
BUILDING OCCUPANTS							
BUILDING MANAGEMENT		X	PRENTIS / D	AVID KUFFNER		1	1:00AM
MONITORING ENTITY		X	CAMPUS SECURITY			1	1:00AM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF ANY IMPA	IRMENTS						
THIS TEST	ING WAS PE	ERFORME	D IN ACCORD	ANCE WITH APPL	ICABLE NFPA	STANDARDS	
II	NSPECTO	OR'S CO		ANCE WITH APPI			
	NSPECTO	OR'S CO					
PUMP OPERATED PROPERLY	YAT TIME O	OR'S CO	MMENTS	AND RECOM	MENDATIO		
PUMP OPERATED PROPERLY	YAT TIME O	OR'S CO	MMENTS	AND RECOM	MENDATIO		
PUMP OPERATED PROPERLY	YAT TIME O	OR'S CO	MMENTS	AND RECOM	MENDATIO		
PUMP OPERATED PROPERLY	YAT TIME O	OR'S CO	MMENTS	AND RECOM	MENDATIO		
PUMP OPERATED PROPERLY	YAT TIME O	OR'S CO	MMENTS	AND RECOM	MENDATIO		
PUMP OPERATED PROPERLY	YAT TIME O	OR'S CO	MMENTS	AND RECOM	MENDATIO		
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING	NSPECTO AT TIME O LINES AND	OR'S CO	MMENTS	AND RECOM	MENDATIO		11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING SYSTEM RESTORED TO NOR	NSPECTO AT TIME O LINES AND	OR'S CO	MMENTS	CONTROLLER - 20	MENDATIOI 12 6/11/12	NS	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING SYSTEM RESTORED TO NOR	NSPECTO AT TIME O LINES AND	OR'S CO	MMENTS	AND RECOM	MENDATIOI 12 6/11/12	NS	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR	NSPECTO AT TIME O LINES AND	OR'S CO	MMENTS	CONTROLLER - 20	MENDATIOI 12 6/11/12	NS	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR	NSPECTO AT TIME O LINES AND	OR'S CO	MMENTS	CONTROLLER - 20	MENDATIOI 12 6/11/12	NS	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING  SYSTEM RESTORED TO NOR NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	MSPECTO (AT TIME O LINES AND	OR'S CO	MMENTS	CONTROLLER - 20	6/11/12	NS	11:00AM
II	MSPECTO (AT TIME O LINES AND	OR'S CO	MMENTS	DATE  JASON JOHNST	6/11/12	NS	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE	MAL OPERA	OR'S CO	DMMENTS	DATE  JASON JOHNST	6/11/12	NS	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF	MAL OPERA  NTATIVE	OR'S CO	TIVE	DATE  DAVID KUFFNE	6/11/12 ON	TIME	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF PROPERTY OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR	MAL OPERA  NTATIVE  WITH OCCUP	PRESENTA	TIVE	DATE  DAVID KUFFNE	MENDATION  6/11/12  ON  R	TIME  No YES	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF	MAL OPERA  NTATIVE  WITH OCCUP  Siviolations	ATION  PRESENTA  ancy & st s been co	TIVE ored commo	DATE  JASON JOHNST  DAVID KUFFNE	6/11/12 ON Yes or Yes or Yes or	TIME  No YES No NO	11:00AM
PUMP OPERATED PROPERLY NOTE: SEPARATED SENSING  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF PROPERTY OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR'S SIGNATURE OF PROPERTY OF INSPECTOR	MAL OPERA  NTATIVE  WITH OCCUP  S/violations  tions been	ATION  PRESENTA  ancy & st s been co	TIVE ored commo	DATE  JASON JOHNST  DAVID KUFFNE	6/11/12 ON Yes or Yes or Yes or	TIME  No YES	11:00AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

ARRIVAL TIME: 7	/12/2012 am 44856	X	163 282	46 S. Sprinkle Ro 33 S. Champagn 221 Beck Rd., So 50 Arbor Tech Di	e Dr, Sagina uite A-9, Wix	w MI om MI		
SERVICE ORGANIZATION	(CORPORATE)	PRO	PERTY	NAME				
Vanguard Fire & Security		Name	Name: WAYNE STATE - 5057 WOODWARD - 07				071	
2101 Martindale Ave. SW	Addr	ess:	5057 WOODW	ARD				
Grand Rapids, MI 49509		DETI	ROIT, M	T, MI 48202				
,			,					
Technician: J	ASON JOHNSTON	Owne	Owner Contact:			BILL / DAVID KUFFNER		
		Telep	Telephone:			313-684-1759		
Telephone: 80	00-444-8719	Appr	Approving Agency:			DETROIT FIRE DEPARTMENT		
		PRIOR TO ANY	/ TECTI	NC.				
NOTIFICATIONS	YES	PHONE NUME		I I	WHO		TIME	
BUILDING OCCUPANTS	120	THORE NOME	<u> </u>		Willo		111112	
BUILDING MANAGEMENT	X	(313) 684-17	759	BILL / DAVID KU	D KUFFNER 7:15 AN			
MONITORING ENTITY	X	313-684-17		CAMPUS SECU				
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF IMPAIRM	MENTS							
		SYSTEM INFO	PMATIO	N				
GENERAL INFORMATION (G	<u> </u>	OTOTEM INTO	NIIIA I IO	14	YES	NO	N/A	
Is the building occupie					X		1471	
Is the building fully spri					X			
3. System(s) in service w		ince the last inspec	tion?			X		
4. Spare heads and head	box with wrench se	curely mounted?				X		
·	num of 18" below en	inkler heads & ceili				Χ		
<ol><li>Stock/Storage a minim</li></ol>	iuiii oi 10 below spi							
6. Are all gauges in good	condition, in 5-yr ca		ng norm	nal pressures?		X		
	condition, in 5-yr ca		ing norm	nal pressures?	X	X		



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	^	X	
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
<u> </u>	valves lubilicateu:			
DD	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	123	X	IVA
2.	Are sprinkler heads thoustructed:  Are sprinkler heads free of corrosion, tape, paint &/or physical damage?		X	
3.	Are all sprinkler heads less than 50 years old?	X		
_		X		
4.	Are sprinkler heads of proper temperature rating?			
5.	Are riser(s) in good condition & unobstructed?	X		V
6.	Hydraulic nameplate in place and OK?	+		X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)		X	
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
				T
	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
	All dry valves have been trip tested & OK (See Table 3)			X
				•
6. 7.	Dry pipe valves are in heated area?			X



	ΓI-FREEZE L	_OOP					
	tion of Loop				Type of	f Backflow	Temp
	·				//		
MAI	IN DRAIN T	EST					
	sure (PSI)		Pressure (PSI)				
190	)		N/A				
DDV	Y SYSTEM T	TEST					
ן אם	I SISIEIVI	1201	Starting Air			Trip Air	
Valve	Full or Pa	artial Trip	Pressure	Starting Water	r Pressure	Pressure	Trip Time
		I.		<b>J</b>			
					Tested?	Yes	No
					_		
NITOOL	\/A   \/E  \	ODMATION					
JNIKUL	VALVE INF	ORIVIATION	<u> </u> 		<u> </u>	T	<u> </u>
							Tamper
essible	Signs	Open	Secured	Sealed	Locked	Supervised	_
ΈS	NO	YES	YES	N/A	YES	N/A	N/A
ES	NO	YES	YES	N/A	N/A	YES	YES
ES	NO	YES	YES	N/A	N/A	N/A	N/A
ES	YES	YES	YES	N/A	N/A	YES	YES
ES	NO	YES	YES	N/A	N/A	YES	YES
ES	NO	YES	YES	N/A	N/A	YES	YES
ES	NO	N/C	YES	N/A	N/A	YES	YES
1.014//0/11	IEOK VALV	E INICODA:	TION				
	HECK VALV			LACTINOS	ECTED	100	ATION
IFG	MODEL EDC III	SIZE 6"	YEAR 1988	LAST INSP	ECIED		ATION DM
RSEY	SWING	3/4"	1988			WEST BSMT	
DELMAN	WAFER	6"	1988			WEST BSMT	
				2010	)		
INELY I	SWING					+	
		6"	1988			+	
ELMAN AULIC	714 I						
AULIC	714 GROOVED	4"	1988	2010	)	VVLOI DOIVII	
	NEDY ELMAN	NEDY CLCW ELMAN SWING	NEDY CLCW 6" ELMAN SWING ½"	NEDY         CLCW         6"         2000           ELMAN         SWING         ½"         1988           AULIC         714         6"         1988	NEDY         CLCW         6"         2000         2010           ELMAN         SWING         ½"         1988         2010           AULIC         714         6"         1988         2010	NEDY         CLCW         6"         2000         2010           ELMAN         SWING         ½"         1988         2010           AULIC         714         6"         1988         2010	NEDY         CLCW         6"         2000         2010         WEST BSMT           ELMAN         SWING         ½"         1988         2010         WEST BSMT           AULIC         714         6"         1988         2010         WEST BSMT



ON / OFF PREMISES MONITORING											
YES	NO	TIME	COMMENTS								
X											
X											
X											
X											
X											
X											

# TYPE YES WHO TIME BUILDING OCCUPANTS BUILDING MANAGEMENT X BILL / DAVID KUFFNER 12PM MONITORING ENTITY X CAMPUS SECURITY 12PM 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS

#### THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS INSPECTOR'S COMMENTS AND RECOMMENDATIONS

NO WRENCH IN HEAD BOX

(1) HEAD NEEDS RELOCATED, OBSTRUCTED BY BOOK SHELF IN RM 12212.3 12TH FLR

HEAD OBSTRUCTED BY ITEMS ON SHELF IN RM 6203.1 6TH FLR

(12) PAINTED UPRIGHT SPRINKLER HEADS IN BASEMENT FIRE PUMP MECHANICAL RM WEST

OLD KITCHEN AREA IN BSMT, DROP CEILING MISSING AND PIPING NOT PROPERLY SUPPORTED ABOVE NEW, APS UNIT LEARNING AREA
NOT PROPERLY SPRINKLED

UNABLE TO INSPECT (3) CHECK VALVES AS MAIN 6" OS&Y CONTROL VALVE WOULD NOT FULLY ISOLATE SYSTEM AND NEEDS TO BE NO HAND WHEEL ON 13TH FLOOR = BFLY VALVE

MISSING ESCUTCHEONS: 13TH FLR BY ELEVATOR, 10TH FLR RM 10305, HALLWAY BY RM 8405.2, 6TH FLR HALL BY RM 6304.1, 6TH FLR HALLWAY BY RM 6407, 5TH FLOOR OUTSIDE RM 5003, 4TH FLR HALLWAY BY RM 4108

NOTE: STANDPIPE RISERS SECTIONAL CONTROL VALVESLOCATED BSMT EAST BY OLD KITCHENM BSMT RM WEST OF FIRE PUMP AREA

NEW 3" PREACTION SYSTEM IS INSTALLED BY NOT ONLINE FOR NEW SERVER ROOM



SYSTEM RESTORED TO NORMAL OPERATION	DATE	6/12/	12	TIME	12PM
NAME OF INSPECTOR	JASON JOHN	STON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored cor	nmodity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected?		Yes or No	NO		
Have the deficiencies/violations been authorized for re	pair?	Yes or No	YES		
If no, please explain reason:		•	-		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

DATE:	6/12/12						I., Portage M	
ARRIVAL TIME:	7:00am			X			e Dr, Sagina	
WORK ORDER NUMBER:	244856						iite A-9, Wixe . Suite F, He	
				-	, 			
SERVICE ORGANIZATION	I (CORPORA	ATE)		_	PROPERT	Y NAME		
Vanguard Fire & Security					Name:	WAYNE S	STATE - 5057	WOODWARD
2101 Martindale Ave. SW					Address:	5057 WO	ODWARD	
Grand Rapids, MI 49509					DETROIT,	MI 48202		
				_				
Technician:	JASON JO	OHNSTON		7	Owner Co	ntact:	BILL / D KU	JFFNER
					Telephone	):	(313) 684-1	1759
Telephone:	800-444-8	3719		7	Approving	Agency:	DETROIT I	FIRE DEPT.
107770471010			PRIOR TO AN		ı	14/110		
NOTIFICATIONS		YES	PHONE	NUMBER		WHO		TIME
BUILDING OCCUPANTS BUILDING MANAGEMENT		V	(242) 00	24.4750	DILL / DAV	ID KLIEENET		7014
MONITORING ENTITY		X	(313) 684-1759		BILL / DAVID KUFFNER CAMPUS SECURITY			7AM 7AM
2ND MONITORING ENTITY		^			CAMPUS	ECORITI		/ Alvi
AHJ (NOTIFIED) OF ANY IMP	AIRMENTS							
7410 (140111 12b) OF 7441 IIVII	AIRWILITIO							
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUN	IP DATA				
MANUFACTURER	Α	LLIS CHAL		RATE GPM			<b>75</b> 0	
MODEL		SPLITCAS		RATE PSI			125	
SERIAL NUMBER	8	391-81596-0	1-01	PSI @ 150%			93	
TYPE		8000		MAX PRES			147	
RATED RPM		3555		AUTO STAF			170	
IMPELLER SIZE		8.7		SATISFIED			185	
HORSE POWER		75		AUTO STO			YES	
WATER SUPPLY		CITY		RUN TIMER	<u> </u>		8 MIN	
			FIRE PUMF	DDIVED				
MANUFACTURER		FIFE - PEAF		FRAME	364TS	RATED RP	DN /	3548
MODEL		075055053F		VOLTAGE	460	HZ	IVI	60
SERIAL NUMBER	110	01000000	COT OIVI	AMP	87.2	HORSE PO	)WFR	75
TYPE		ELECTRI	C	PHASE	3	SERVICE F		1.15
=		LLLOTTKI		1. 17 OL		JOEN VIOL I	,.0101	1.10



	FIRE PUMP	CONTROL			
MANUFACTURER	JOSLYN-CLARK	HORSE POWER RATING	3		75
MODEL	C3B194-4		480		
SERIAL NUMBER	72721730-1-1	AMP RMS		3	0,000
	JOCKEY PL	JMP DATA			
MANUFACTURER			3/8		
MODEL	)		175		
SERIAL NUMBER		START PRESSURE (ON STOP PRESSURE (OFF			180
HORSE POWER	1/3	VOLTAGE			115
	REMOTE ALAR	MS PROVIDED			
DISPLAYED AT	PANEL LOBBY & BSMT	PHASE REVERSAL			YES
PUMP RUNNING	YES	PUMP ROOM LOW TEM	P		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL	·		N/A
	FIRE PUMP TE	EST REPORT			
Inspection of Pump			YES	NO	N/A
System found in service?			X		1477
Fire pump controller in automatic service?			X		
3. Jockey pump controller in service on auto			X		
4. Is alarm panel clear?	•		X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?				Χ	
Suction, discharge and bypass valves open	n?		Х		
10. Piping, valves and fittings free from leaks			X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection			YES	NO	N/A
Isolation switch and circuit breaker exercise	sed?		X	110	1421
Diesel Pump Inspection	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		YES	NO	N/A
Fuel tank at least two-thirds full?					X
Controller selector switch in auto position?	)				X
Battery voltage and reading normal?					X
Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph paper	nresent?				X
13. Engine coolant level normal?	prodont.				X
14. Does Heat Exchanger Solenoid function	properly?				X
1 1. 2000 Float Exchanger Objetion full clion	Property:				Λ



INSF	ECTION OF	FIRE PUMP AND PIPING	COMPONEN	ITS		
				YES		N/A
<ol> <li>Valves in proper position and in good con</li> </ol>	dition?			X		
2. Are all valves listed for application?				X		
Valves locked, sealed or supervised?				X		
Are all valves tagged and identified?				X		
5. Jockey pump operational?				X		
6. Packing glands appear properly adjusted	?			X		
7. Bi-monthly test records available?						X
3. Were automatic starts performed?				X		
9. Were manual starts performed?		1.0		X		
0. Did automatic and manual <i>starts</i> and <i>st</i>	•	properly?		X		
11. Remote alarm conditions demonstrated?	,			X		
12. Are drains operational and ok?		antications ad O		X		
13. Does fire pump shaft and coupling appe		eny aligned?		X		
<ul><li>14. Does jockey pump appear to be aligned</li><li>15. Does fire pump have casing relief valve</li></ul>		unation properly?		X		
		inction properly?		^	X	
<ol> <li>Is test header in good condition and drai</li> <li>Supplying tank or reservoir appears to b</li> </ol>		ory condition?			^	
17. Supplying tank of reservoir appears to b	e iii salisiacii	ory condition:				X
19. At completion, was pump returned to au	omatic opera	ation and all valves normal?	2	X		
20. Site personnel were offered instruction in			<u> </u>	X		
21. Sensing lines for jockey and fire pump s		ations:			X	
22. Power transfer switch tested and ok?	oparato.					Х
	FL	OW INSPECTION REPOR	T			
Fire Pump Flow Test Report		CHURN	100%	FLOW	150%	6 FLOW
RPM During Test		3587	35	65	3	552
/oltage During Test		481 484 485	480 48	81 480	480 4	482 482
Amperage During Test		53 55 53	92 9	0 93	105	106 108
RATED NET HEAD		125				
SUCTION PRESSURE		47		2		16
DISCHARGE PRESSURE		186		47		96
NET HEAD	J L	139	1	15		80
	<del></del>					
RATED GPM	750	0				
OUTLET A PITOT		NA	7:	50		557
OUTLET B PITOT		NA				557
DUTLET C PITOT		NA				
OUTLET D PITOT		NA				
OUTLET E PITOT		NA				
TOTAL FLOW		0		50		114
RATED % OF FLOW			10	0%	1	49%
Does	Fire Pump m	eet system specifications?	PASS	X	FAIL	

COMMENTS



TYPE

BATTERY CONDITION			N/A					
VOLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
	EMERGEN	CY COMM	IUNICATION E	QUIPMENT:0	N/OFF MON	ITORING		
TYPE	YES	NO	TIME			COMMEN	TS	
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL	X							
TROUBLE RESTORAL	X							
SUPERVISORY SIGNAL								
SUPERVISORY RESTORAL								
			TIONS THAT				T.	
TYPE		YES		WH	)			TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	BILL / DAVID					2:00PM
MONITORING ENTITY		X	CAMPUS SE	CURITY			1	2:00PM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPA	IRMENTS							
AHJ (NOTIFIED) OF ANY IMPA								
		RFORME	D IN ACCORD	ANCE WITH A	PPLICABL	E NFPA STA	NDARDS	
THIS TEST	NG WAS PE		D IN ACCORD					
THIS TEST	NG WAS PE	OR'S CO						
THIS TESTI	NSPECTO	OR'S CO						
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING	NSPECTO AT TIME OIL	OR'S CO	OMMENTS	AND REC				
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING	NSPECTO AT TIME OIL	OR'S CO	OMMENTS	AND REC				
THIS TEST	NSPECTO AT TIME OIL	OR'S CO	OMMENTS	AND REC				
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING	NSPECTO AT TIME OIL	OR'S CO	OMMENTS	AND REC				
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING	NSPECTO AT TIME OIL	OR'S CO	OMMENTS	AND REC				
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI	NSPECTO AT TIME OF LINES - 201 EY PUMP DU	DR'S CC F TEST 2 JE TO SYS	OMMENTS	AND REC	OMMENE	DATIONS		
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI	NSPECTO AT TIME OF LINES - 201 EY PUMP DU	DR'S CC F TEST 2 JE TO SYS	OMMENTS	AND REC	OMMENE			12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR	NSPECTO AT TIME OF LINES - 201 EY PUMP DU	DR'S CC F TEST 2 JE TO SYS	OMMENTS	E.  DATE	<b>OMMENC</b>	DATIONS		12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING	NSPECTO AT TIME OF LINES - 201 EY PUMP DU	DR'S CC F TEST 2 JE TO SYS	OMMENTS	AND REC	<b>OMMENC</b>	DATIONS		12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR	NSPECTO AT TIME OF LINES - 201 EY PUMP DU	DR'S CC F TEST 2 JE TO SYS	OMMENTS	E.  DATE	<b>OMMENC</b>	DATIONS		12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR	NSPECTO AT TIME OF LINES - 201 EY PUMP DU	DR'S CC F TEST 2 JE TO SYS	OMMENTS	E.  DATE	<b>OMMENC</b>	DATIONS		12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR	ING WAS PENSPECTO AT TIME OF LINES - 201 EY PUMP DU	DR'S CC F TEST 2 JE TO SYS	OMMENTS	E.  DATE	6/1.	DATIONS		12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE	MAL OPERA	DR'S CO F TEST 2 JE TO SYS	STEM VOLUM	AND RECO	6/1.	DATIONS		12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE	MAL OPERA	DR'S CO F TEST 2 JE TO SYS	STEM VOLUM	AND RECO	6/1.	DATIONS		12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF	MAL OPERA	DR'S CO F TEST 2 JE TO SYS	STEM VOLUMI	AND RECO	6/1.	2/12	TIME	12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF ITS SYSTEM CODE COMPLIANT OF ITS SYSTEM CODE CODE CODE CODE CODE CODE CODE CODE	MAL OPERA  NTATIVE  WINES - 201	OR'S CO F TEST 2 JE TO SYS	STEM VOLUMI	AND RECO	6/1.	2/12 Yes or No	TIME	12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF PROPER	MAL OPERA  NTATIVE  WINES - 201  EY PUMP DU  MAL OPERA  OWNER/REP	ATION  RESENTA	STEM VOLUMI	DATE  JASON JOH  DAVID KUFF	6/1.	2/12 Yes or No Yes or No	TIME  YES  NO	12PM
THIS TESTI  II  PUMP OPERATED PROPERLY  NOTE: SEPARATED SENSING  RECOMMEND LARGER JOCKI  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF ITS SYSTEM CODE COMPLIANT OF ITS SYSTEM CODE CODE CODE CODE CODE CODE CODE CODE	MAL OPERA  NTATIVE  WHER/REP  with occupa s/violations tions been	ATION  RESENTA	STEM VOLUMI	DATE  JASON JOH  DAVID KUFF	6/1.	2/12 Yes or No	TIME  YES  NO	12PM

**DIESEL BATTERY INSPECTION** 

**FUNCTIONAL** 

VISUAL



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA	ATION (CORPOR	RATE)	1	PROPER	764( 163: 282: 105(		., Portage M e Dr, Sagina ite A-9, Wixo Suite F, He	II w MI om MI bron KY	
Vanguard Fire & Secu	ırıty			Name:	$\longrightarrow$	WAYNE STATE	- WELCOM	ECENTER	082
2101 Martindale Ave.	SW			Address:	:	42 W WARREN			
Grand Rapids, MI 495	509			DETROI	T, MI	48202			
			_						
Technician:	JASON JOH	NSTON	] [	Owner C	ontac	ot:	STEVE / DA	AVID KUFF	NER
	<u> </u>			Telephor	ne:		(313) 684-0	0869	
Telephone:	800-444-871	9		Approvin	ıg Ag	ency:	DETROIT F	FIRE DEPA	RTMENT
			PRIOR TO	ANY TE	STIN	IG			
NOTIFICATIONS		YES		NUMBER			WHO		TIME
BUILDING OCCUPANT	S								
BUILDING MANAGEME	NT	X	(313) 6	684-0869		STEVE / DAVID K	UFFNER		12:00PM
MONITORING ENTITY		Χ				CAMPUS SECUR	ITY		12:00PM
2ND MONITORING EN					$\longrightarrow$				
AHJ (NOTIFIED) OF IM	PAIRMENTS								
			SYSTEM	INFORM	ATION	<u> </u>			
GENERAL INFORMATI	ON (GI)		STOTEW	INFORINI	ATION	1	YES	NO	N/A
Is the building oc		t?					X		IN//
Is the building ful							X		
3. System(s) in serv	, ,	fication sin	ce the last in	spection	?		X		1
4. Spare heads and	head box with w	rench sec	urely mounte	ed?			Χ		
5. Stock/Storage a	minimum of 18" k	oelow sprin	kler heads &	ceiling t	iles ir	n place?	X		
6. Are all gauges in	•	•	oration, and	showing	norma	al pressures?	X		
<ol><li>Wet system area</li></ol>	s are adequately	heated?					X		



'AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.		^		
7.	Valves lubricated?			X
חחי	INIZI ED & DIDING INFORMATION (CI)	VEC	NO	L NI/A
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?		X	
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
7.	System ID securely attached & legible?	X		
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are backnow Preventers / Check valves present (ii yes, complete rable 5)	^		
ΛΙΛ	PM INFORMATION (AI)	YES	NO	N/A
	RM INFORMATION (AI) Was the local alarm tested & OK?		NO	IN/A
1.		X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?	+		X
3. 3.	All dry valves have been trip tested & OK (See Table 3)			X
7.	Dry pipe valves are in heated area?	+		X
7. 3	Was customer informed that they need to drain all drum drips on a monthly basis?	+ +		
	was customer informed that they need to drain all drum drips on a monthly basis?	ī		X



	<u></u>									
T	ABLE 1		AN	TI-FREEZE	LOOP					
	No.	Location o	Location of Loop					Type of	Backflow	Temp
		N/A	00p				No. of Heads	1,760 0.		. ср
T	ABLE 2		M	AIN DRAIN 1	TEST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1. 2" 2. 3.		13	· · · · ·	1	N/A				
	4.									
	5.									
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	r Pressure	Pressure	Trip Time
1.	N/A									
2.										
_										
3.										
_	ation of D	rum Drains	3					Tested?	Yes	No
Loca 1.	ation of D	rum Drains	5					Tested?	Yes	No
Loca 1. 2.	ation of D	rum Drains	S					Tested?	Yes	No
Loca 1.	ation of D	rum Drains	5					Tested?	Yes	No
Loca 1. 2. 3.		rum Drains						Tested?	Yes	No
Loca 1. 2. 3.	ABLE 4	rum Drains		L VALVE INF	FORMATION	l .		Tested?	Yes	No
Loca 1. 2. 3.		rum Drains		L VALVE INF	FORMATION	<b>I</b>		Tested?	Yes	
1. 2. 3.	ABLE 4		CONTROL				Cooled			Tamper
Loca 1. 2. 3.	ABLE 4	of Valve	CONTROI	Signs	Open	Secured	Sealed	Locked	Supervised	Tamper Operational
1. 2. 3.  T  Qty	Type of BACKFLO	of Valve W (OS&Y)	CONTROI Accessible YES	Signs YES	Open YES	Secured YES	N/A	Locked N/A	Supervised YES	Tamper Operational YES
1. 2. 3.  T  Qty 2	Type of BACKFLO PUMP (OS	of Valve W (OS&Y) S&Y)	CONTROI  Accessible  YES  YES	Signs YES YES	Open YES YES	Secured YES YES	N/A N/A	Locked N/A N/A	Supervised YES YES	Tamper Operational YES YES
1. 2. 3.  T  Qty 2 1 3	Type of BACKFLO PUMP (OS BYPASS (	of Valve W (OS&Y) S&Y) BFLY)	CONTROI  Accessible  YES  YES  YES	Signs YES YES YES	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	Locked N/A N/A N/A	Supervised YES YES YES	Tamper Operational YES YES YES
1. 2. 3. T Qty 2 1 3	Type of BACKFLO PUMP (OS BYPASS (TEST HEAL	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY)	CONTROI  Accessible  YES  YES  YES  YES  YES	Signs YES YES YES YES YES	Open YES YES YES N/C	Secured YES YES YES YES YES	N/A N/A N/A N/A	Locked N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES	Tamper Operational YES YES YES YES
1. 2. 3. T Qty 2 1 3 1 2	ABLE 4  Type of BACKFLO PUMP (OS BYPASS (TEST HEAL JOCKEY (COMMENT)	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES	Signs YES YES YES YES YES YES YES	Open YES YES YES N/C YES	Secured YES YES YES YES YES NO	N/A N/A N/A N/A YES	Locked N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES N/A	Tamper Operational YES YES YES YES N/A
1. 2. 3. T Qty 2 1 3 1 2 6	Type of BACKFLO PUMP (OS BYPASS (TEST HEAD JOCKEY (SECTION)	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES	Signs YES YES YES YES YES YES YES YES	Open YES YES YES N/C YES YES	Secured YES YES YES YES NO YES	N/A N/A N/A N/A YES N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES N/A YES	Tamper Operational YES YES YES YES N/A YES
1. 2. 3. T Qty 2 1 3 1 2 6	Type of BACKFLO PUMP (OS BYPASS (TEST HEAD JOCKEY (SECTION)	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES	Signs YES YES YES YES YES YES YES	Open YES YES YES N/C YES	Secured YES YES YES YES YES NO	N/A N/A N/A N/A YES	Locked N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES N/A	Tamper Operational YES YES YES YES N/A
1. 2. 3. T Qty 2 1 3 1 2 6 3	ABLE 4  Type of BACKFLO PUMP (OS BYPASS (TEST HEAD JOCKEY (SECTION) ELEVATO	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES YES YES YES YES YES YES YES YES	Open YES YES YES N/C YES YES YES YES	Secured YES YES YES YES NO YES YES YES	N/A N/A N/A N/A YES N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES N/A YES	Tamper Operational YES YES YES YES N/A YES
Loca 1. 2. 3. T Qty 2 1 3 1 2 6 3	ABLE 4  Type of BACKFLO PUMP (OS BYPASS (TEST HEAD JOCKEY (SECTION ELEVATO)  ABLE 5	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL)	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES  ACKFLOW/C	Signs YES YES YES YES YES YES YES YES YES YES	Open YES YES YES N/C YES YES YES YES YES	Secured YES YES YES YES NO YES YES NO YES YES	N/A N/A N/A N/A YES N/A N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES N/A YES YES	Tamper Operational YES YES YES YES N/A YES YES
Local 1. 2. 3. T Qty 2 1 3 1 2 6 3 T No.	ABLE 4  Type of BACKFLO PUMP (OS BYPASS (TEST HEAD JOCKEY (SECTION ELEVATO)  ABLE 5  PUR	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL) B POSE	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C  MFG	Signs YES YES YES YES YES YES YES YES YES MECK VALV	Open YES YES YES N/C YES YES YES YES YES YES	Secured YES YES YES YES NO YES YES NO YES YES YES	N/A N/A N/A N/A YES N/A N/A N/A	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES N/A YES YES LOC	Tamper Operational YES YES YES YES N/A YES YES
Loc: 1. 2. 3. T Qty 2 1 3 1 2 6 3 T No. 1.	Type of BACKFLO PUMP (OS BYPASS (TEST HEAD JOCKEY (SECTION) ELEVATO  ABLE 5  PUR BACKFLO	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL) B POSE	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C  MFG  AMES	Signs YES YES YES YES YES YES YES YES YES MECK VALV MODEL 3000 SSF	Open YES YES YES N/C YES YES YES YES YES YES OF INFORMATION OF THE PROPERTY OF	Secured YES YES YES YES NO YES YES YES ATION YEAR 2002	N/A N/A N/A N/A YES N/A N/A	Locked	Supervised YES YES YES YES N/A YES YES LOCA	Tamper Operational YES YES YES YES N/A YES YES
Loc: 1. 2. 3. T Qty 2 1 3 1 2 6 3 T No. 1. 2.	ABLE 4  Type of BACKFLO PUMP (OS BYPASS (ITEST HEAD IN SECTION). ELEVATO  ABLE 5  PUR BACKFLO BACKFLO	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL) B POSE	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C  MFG  AMES  WATTS	Signs YES YES YES YES YES YES YES YES MES YES ONE MODEL 3000 SSF	Open YES YES YES N/C YES YES YES YES YES YES 'E INFORMA' SIZE 6" 3/4"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A 2010 2010	Locked	Supervised YES YES YES YES N/A YES YES PUMP ROOM PUMP ROOM	Tamper Operational YES YES YES YES N/A YES YES
Local 1. 2. 3. T Qty 2 1 3 1 2 6 3 T No. 1. 2. 3.	ABLE 4  Type of BACKFLO PUMP (OS BYPASS (TEST HEAD FOR THE FOR	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL) B POSE	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C  MFG  AMES  WATTS  VIKING	Signs YES YES YES YES YES YES YES YES ONE YES YES ONE ONE ONE ONE ONE ONE ONE ONE ONE ONE	Open YES YES YES N/C YES YES YES YES YES YES OF INFORMA SIZE 6" 3/4" 6"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A 2010 2010	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES N/A YES YES PUMP ROOM PUMP ROOM PUMP ROOM PUMP ROOM	Tamper Operational YES YES YES YES N/A YES YES ATION
Local 1. 2. 3. T Qty 2 1 3 1 2 6 3 T No. 1. 2. 3. 4.	ABLE 4  Type of BACKFLO PUMP (OS BYPASS (SECTION) ELEVATO  ABLE 5  PUR BACKFLO BACKFLO BYPASS (PUMP)	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL) B POSE	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES YES YES YES YES YES YES YES ONE YES YES ONE ONE ONE ONE ONE ONE ONE ONE ONE ONE	Open YES YES YES N/C YES YES YES YES YES OF INFORMA SIZE 6" 3/4" 6" 6"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A 2010 2010 2010	Locked	Supervised YES YES YES N/A YES YES PUMP ROOM PUMP ROOM PUMP ROOM PUMP ROOM PUMP ROOM	Tamper Operational YES YES YES YES N/A YES YES ATION
Local 1. 2. 3. T Qty 2 1 3 1 2 6 3 T No. 1. 2. 3. 4. 5.	Type of BACKFLO PUMP (OS BYPASS (OSECTION), ELEVATO BACKFLO BACKFLO BACKFLO BYPASS PUMP FDC	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL) B POSE	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES YES YES YES YES YES YES YES ONE YES YES ONE G-1 G-1 G-1	Open YES YES YES N/C YES YES YES YES YES OF INFORMA SIZE 6" 3/4" 6" 6" 6" 4"	Secured   YES   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A  LAST INSP 2010 2010 2010 2010	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES N/A YES YES PUMP ROON PUMP ROON PUMP ROON PUMP ROON PUMP ROON PUMP ROON PUMP ROON PUMP ROON	Tamper Operational YES YES YES YES N/A YES YES ATION M M M M M M M M M M M M M M M M M M M
Local 1. 2. 3. T Qty 2 1 3 1 2 6 3 T No. 1. 2. 3. 4.	ABLE 4  Type of BACKFLO PUMP (OS BYPASS (SECTION) ELEVATO  ABLE 5  PUR BACKFLO BACKFLO BYPASS (PUMP)	of Valve W (OS&Y) S&Y) BFLY) DER (BFLY) BBALL) AL (BFLY) R (BBALL)  B POSE W W BYPASS	CONTROI  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs YES YES YES YES YES YES YES YES ONE YES YES ONE ONE ONE ONE ONE ONE ONE ONE ONE ONE	Open YES YES YES N/C YES YES YES YES YES OF INFORMA SIZE 6" 3/4" 6" 6"	Secured   YES   YES   YES   YES   NO   YES   Y	N/A N/A N/A N/A YES N/A N/A N/A 2010 2010 2010	Locked N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES N/A YES YES PUMP ROOM PUMP ROOM PUMP ROOM PUMP ROOM PUMP ROOM	Tamper Operational YES YES YES YES N/A YES YES ATION M M M M M M M M M M M M M M M M M M M



	(	ON / OFF PR	EMISES MONIT	ORING		
TYPE	YES	NO NO	TIME		MMENTS	
ALARM SIGNAL	X		1			
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	Х					
		_				
	NOTIFI	CATIONS TH	HAT TESTING I	S COMPLETE		
TYPE	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X	STEVE / D	AVID KUFFNER	₹	1	:00PM
MONITORING ENTITY	X	CAMPUS	SECURITY		1	:00PM
ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING WA	S PERFOR	MED IN ACC	ORDANCE WIT	TH APPLICABLE NFPA ST	ANDARDS	
INSPE	CTOR'S	COMMEN	ITS AND RE	COMMENDATIONS		
1) HEAD OBSTRUCTED BY LIGHT FIXTURI	E 3RD FLR SE	RVICE ELEV	ATOR CORRIDO	२		
LL SIGNALS RECEIVED AND RESET						
LL VALVES IN STAIRWELL ARE NOW LOC	CK AND CHAN	IGED				
TEE THE TEE IN ON MICHELL HAVE LOOK	) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	IOLD.				
SYSTEM RESTORED TO NORMAL OP			1	_		1
STOTE WINESTONED TO NONWAL OF	EDATION		DATE	6/6/12	TIME	2:00PM
	ERATION		DATE	6/6/12	ТІМЕ	2:00PM
NAME OF INSPECTOR	ERATION				TIME	2:00PM
NAME OF INSPECTOR	ERATION		DATE  JASON JOHN		TIME	2:00PM
	ERATION				TIME	2:00PM
	ERATION				TIME	2:00PM
NSPECTOR'S SIGNATURE		:	JASON JOHN	STON	TIME	2:00PM
NSPECTOR'S SIGNATURE		:		STON	TIME	2:00PM
NSPECTOR'S SIGNATURE	SENTATIVE		JASON JOHN	STON	TIME	2:00PM
NSPECTOR'S SIGNATURE	SENTATIVE		JASON JOHN	STON	TIME	2:00PM
NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE	SENTATIVE	ATIVE	JASON JOHN	STON	TIME	2:00PM
NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/REPRE  Is system code compliant with occ	SENTATIVE	ATIVE	JASON JOHN	STON NER Yes or No	TIME	2:00PM
NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/REPRE  s system code compliant with occ  Have the noted deficiencies/violati	SENTATIVE REPRESENT cupancy & sons been c	Stored com	JASON JOHN DAVID KUFFI modity?	Yes or No Yes or No	TIME	2:00PM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F  Is system code compliant with occ  Have the noted deficiencies/violations be  If no, please explain reason:	SENTATIVE REPRESENT cupancy & sons been c	Stored com	JASON JOHN DAVID KUFFI modity?	STON NER Yes or No	TIME	2:00PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

	T			1	1		0144 0		
DATE:	6/6/12						e. SW, Gran ., Portage M	d Rapids MI II	
ARRIVAL TIME:	12:00PM			X			Dr, Sagina		
				1	28221 Beck Rd., Suite A-9, Wixom MI 1050 Arbor Tech Dr. Suite F, Hebron KY				
WORK ORDER NUMBER:	244905				1050 Ark	or Lech Dr	. Suite F, He	ebron KY	
SERVICE ORGANIZATION	N (CORPORA	TE)		7	PROPERT	TY NAME			
Vanguard Fire & Security					Name:	WELCOM	E CENTER	- 082	
2101 Martindale Ave. SW					Address:	42 W. WA			
							ICICLIA		
Grand Rapids, MI 49509					DETROIT,	MI 48202			
				-					
Technician:	JASON JO	OHNSTON			Owner Co	ntact:	STEVE / D	KUFFNER	
					Telephone	):	(313) 684-0	0869	
Telephone:	800-444-8	8719			Approving	Agency:	DETROIT I	FIRE DEPT.	
			PRIOR TO AN		1				
NOTIFICATIONS		YES	PHONE I	NUMBER		WHO		TIME	
BUILDING OCCUPANTS			( )						
BUILDING MANAGEMENT		X	(313) 68	34-0869		AVID KUFFN	ER	12:00PM	
MONITORING ENTITY 2ND MONITORING ENTITY		X			CAMPUS S	ECURITY		12:00PM	
AHJ (NOTIFIED) OF ANY IMF	DAIDMENTS								
ANJ (NOTIFIED) OF ANT IIVIF	AIRIVIENTS								
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION				
			FIRE PUN						
MANUFACTURER		ITT		RATE GPM			750		
MODEL		INCLINE 7	L83	RATE PSI			60		
SERIAL NUMBER	02-03	35712-01-01	/OK4313	PSI @ 150%	6		44		
TYPE		1.58		MAX PRESSURE			81		
RATED RPM		3550		AUTO STAF			105		
IMPELLER SIZE		7.15		SATISFIED	PSI		145		
HORSE POWER		40		AUTO STO	)		NO		
WATER SUPPLY		CITY		RUN TIMER	}		N/A		
			FIRE PUMP	1	1	T			
MANUFACTURER		US MOTO	RS	FRAME	284 JPV	RATED RP	M	3525	
MODEL		AD27A		VOLTAGE	460	HZ		50	
SERIAL NUMBER	E12-	01067513-0		AMP	47	HORSE PC		40	
TYPE		ELECTRI	C	PHASE	3	SERVICE F	ACTOR	1.15	



	FIRE PUMP (	CONTROL				
MANUFACTURER	METRON	HORSE POWER RATING	<u>`</u>	I	40	
MODEL	M300-40-480C	VOLTAGE	,		480	
SERIAL NUMBER						
SERIAL NOWBER	TE OZIVIO-ZO TI TIVII NIVIO					
	JOCKEY PU	IMP DATA				
MANUFACTURER	GROUNFOS	INLET/OUTLET SIZE		IN = 1"	OUT = 11/4"	
MODEL	CR-2	START PRESSURE (ON)			130	
SERIAL NUMBER	FK-02N13426-21	STOP PRESSURE (OFF)			155	
HORSE POWER	1.5	VOLTAGE			480	
				L		
	REMOTE ALARI	MS PROVIDED				
DISPLAYED AT	PANEL IN ELECTRIC RM	PHASE REVERSAL		,	YES	
PUMP RUNNING	YES	PUMP ROOM LOW TEMI	P		N/A	
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A	
	FIRE PUMP TE	ST REPORT				
Inspection of Pump			YES	NO	N/A	
1. System found in service?			X			
2. Fire pump controller in automatic s	ervice?		Χ			
3. Jockey pump controller in service of	on auto?		X			
4. Is alarm panel clear?			Χ			
5. Is pump room secure?			Χ			
6. Heat, light and ventilation ok?			Χ			
7. Is pump room clean, dry and order	ly?		Χ			
8. Ventilating louvers free to operate?	)				X	
9. Suction, discharge and bypass val	ves open?		Χ			
10. Piping, valves and fittings free fro	m leaks?		Χ			
11. Main relief valve functions ok?			Χ			
Electronic Pump Inspection			YES	NO	N/A	
1. Isolation switch and circuit breaker	exercised?		Χ			
Diesel Pump Inspection			YES	NO	N/A	
1. Fuel tank at least two-thirds full?					X	
<ol><li>Controller selector switch in auto p</li></ol>					X	
<ol><li>Battery voltage and reading norma</li></ol>	l?				Χ	
4. Battery charging current reading no	ormal?				X	
<ol><li>Battery terminal free from corrosion</li></ol>	ነ?				X	
6. Battery acid level ok?					X	
7. All alarm indicators off?					X	
8. Oil levels normal?					Χ	
<ol><li>Crankcase breather cleaned and o</li></ol>	k?				Χ	
10. Water strainer cleaned?					Χ	
11. Wire chafing inspected?					Χ	
12. Pressure recorder reset and grap	h paper present?				Χ	
13. Engine coolant level normal?					Χ	
14. Does Heat Exchanger Solenoid fu	unction properly?				X	



	LOTION OF T	IRE PUMP AND PIPING	OOM ONE	YES	NO	N/A
Valves in proper position and in good co	ndition?			X	NO	IN/A
2. Are all valves listed for application?	TIGITIOTT:			X		
3. Valves locked, sealed or supervised?				X		
4. Are all valves tagged and identified?				X		
5. Jockey pump operational?				X		
6. Packing glands appear properly adjusted	d?			X		
7. Bi-monthly test records available?						Х
8. Were automatic starts performed?				Χ		
9. Were manual starts performed?				X		
10. Did automatic and manual starts and s	stops function p	roperly?		Χ		
11. Remote alarm conditions demonstrated	<del>1</del> ?			X		
12. Are drains operational and ok?				Χ		
13. Does fire pump shaft and coupling app	ear to be proper	ly aligned?		X		
14. Does jockey pump appear to be aligne				Χ		
15. Does fire pump have casing relief valve		ction properly?		X		
16. Is test header in good condition and dra				X		
17. Supplying tank or reservoir appears to	be in satisfactor	y condition?				X
18. Tank water level ok?						X
19. At completion, was pump returned to a			?	X		
20. Site personnel were offered instruction		ons?		X		
21. Sensing lines for jockey and fire pump	separate?			X		
22. Power transfer switch tested and ok?						X
	FLO	W INCRESTION REPOR	<del>-</del>			
Fire Bump Flow Test Penert	FLO	W INSPECTION REPOR	100%	EL OW	1500/	6 FLOW
Fire Pump Flow Test Report RPM During Test		<b>CHURN</b> 3569	35			
Voltage During Test	_	462 465 462	465 46		3560 463 465 465	
Amperage During Test	-	43 43 42	44 4			48 48
amperage During Test		40 40 44	44 4	T +U	40	70 40
RATED NET HEAD		60				
		60 41	2	7		17
SUCTION PRESSURE		60 41 147	2			17 67
SUCTION PRESSURE DISCHARGE PRESSURE		41 147	9	7		17 67 50
SUCTION PRESSURE	D C	41	9	7		67
SUCTION PRESSURE DISCHARGE PRESSURE NET HEA	D 750	41 147	9	7		67
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEA  RATED GPM		41 147 106	9	7		67 50
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEA  RATED GPM  DUTLET A PITOT		41 147 106	9	7	ţ	67
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEA  RATED GPM OUTLET A PITOT OUTLET B PITOT		41 147 106 0 NA	9	7	ţ	67 50 557
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEA  RATED GPM OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT		41 147 106 0 NA NA	9	7	ţ	67 50 557
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEA  RATED GPM OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT OUTLET D PITOT		41 147 106 0 NA NA NA NA	9	7	ţ	67 50 557
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEA  RATED GPM OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT OUTLET D PITOT OUTLET D PITOT OUTLET E PITOT	750	41 147 106 0 NA NA	9	7 0 50	Į.	67 50 557 557
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEA  RATED GPM DUTLET A PITOT DUTLET B PITOT DUTLET C PITOT DUTLET D PITOT DUTLET E PITOT	750	41 147 106 0 NA NA NA NA NA	75	7 0 50	1	67 50 557



		DIE	ESEL BATTER	Y INSPECTION				
TYPE		V	ISUAL	FUNCTION	AL		COMMENTS	
BATTERY CONDITION			N/A					
VOLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
	<b>EMERGEN</b>	CY COMM	UNICATION E	QUIPMENT:ON/O	FF MON	ITORING		
TYPE	YES	NO	TIME			COMMEN	TS	
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL	X							
TROUBLE RESTORAL	X							
SUPERVISORY SIGNAL								
SUPERVISORY RESTORAL								
			•					
		NOTIFICA <sup>®</sup>	TIONS THAT T	ESTING IS COMP	PLETE			
TYPE		YES		WHO				TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	STEVE / DAV	ID KUFFNER				1:00PM
MONITORING ENTITY		X	CAMPUS SEC					1:00PM
ND MONITORING ENTITY			O/IMI OO OLOOTTI					
	IRMENTS							
	IRMENTS							
AHJ (NOTIFIED) OF ANY IMPA		RFORME	D IN ACCORDA	ANCE WITH APP	LICABLE	E NFPA STA	NDARDS	
AHJ (NOTIFIED) OF ANY IMPA	NG WAS PE							
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CC		ANCE WITH APP				
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CC						
AHJ (NOTIFIED) OF ANY IMPA	NG WAS PE	OR'S CC						
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CC						
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CC						
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CC						
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CC						
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CC						
THIS TESTI  PUMP OPERATED PROPERLY	NG WAS PE NSPECTO AT TIME O	OR'S CO		AND RECOM	MEND	ATIONS		2:00PM
THIS TESTI  PUMP OPERATED PROPERLY	NG WAS PE NSPECTO AT TIME O	OR'S CO				ATIONS		2:00PM
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE NSPECTO AT TIME O	OR'S CO		AND RECOM	<b>MEND</b>	ATIONS		2:00PM
THIS TESTI  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI	NG WAS PE NSPECTO AT TIME O	OR'S CO		DATE	<b>MEND</b>	ATIONS		2:00PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR	NG WAS PE NSPECTO AT TIME O	OR'S CO		DATE	<b>MEND</b>	ATIONS		2:00PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	NG WAS PENSPECTO	OR'S CO		DATE JASON JOHNST	6/6 ON	ATIONS		2:00PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	NG WAS PENSPECTO	OR'S CO		DATE	6/6 ON	ATIONS		2:00PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PENSPECTO AT TIME O	OR'S CO	DMMENTS A	DATE JASON JOHNST	6/6 ON	ATIONS		2:00PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PENSPECTO AT TIME O	OR'S CO	DMMENTS A	DATE JASON JOHNST	6/6 ON	ATIONS		2:00PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENTED  SIGNATURE OF PROPERTY OF	MAL OPERA	ATION  RESENTA	TIVE	DATE  JASON JOHNST  DAVID KUFFNE	6/6 ON	/12	TIME	2:00PM
THIS TESTI  THIS TESTI  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENTED  SIGNATURE OF PROPERTY OF SIGNATURE SIGNATURE OF SIGNATURE SIGNAT	MAL OPERA	ATION  RESENTA	TIVE	DATE  JASON JOHNST  DAVID KUFFNE	6/6 ON	/12 Yes or No	TIME	2:00PM
THIS TESTI  THIS TESTI  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENTED  SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNA	MAL OPERATIVE WNER/REPAIRS	ATION  RESENTA  ancy & st s been co	TIVE ored commo	DATE  JASON JOHNST  DAVID KUFFNE	6/6 ON	/12 Yes or No	TIME	2:00PM
THIS TESTI  PUMP OPERATED PROPERLY  SYSTEM RESTORED TO NORI	MAL OPERA WHATIVE WHERE WITH OCCUPATIONS SOLUTIONS been	ATION  RESENTA  ancy & st s been co	TIVE ored commo	DATE  JASON JOHNST  DAVID KUFFNE	6/6 ON	/12 Yes or No	TIME	2:00PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	6/6/2012 10:30AM 244866			76 X 16 28 10	46 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr	., Portage Mile Dr, Saginavite A-9, Wixo	· v MI m MI	'
SERVICE ORGANIZAT	· · · · · · · · · · · · · · · · · · ·	ATE)	-	PROPERTY				
Vanguard Fire & Securi	ity		-	Name:	WAYNE STATE	- BOOKSTO	RE - 085	
101 Martindale Ave. SW				Address: 82 W. WARREN				
Grand Rapids, MI 4950	9			DETROIT, N	/II 48202			
			-					
echnician: JASON JOHN		NSTON	] [	Owner Cont	act:	STEVE / DAV	ΞR	
				Telephone:		313-684-0869		
Telephone:	800-444-8719	)	] [	Approving A	gency:	DETROIT FIRE DEPARTMENT		
			PRIOR TO	ANY TEST	ING			
NOTIFICATIONS		YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS								1
<b>BUILDING MANAGEMEN</b>	IT.	X	(313) 6	884-0869	STEVE / DAVID N	CUFFNER		10:30AM
MONITORING ENTITY		Χ			CAMPUS SECUR	RITY		10:30AM
2ND MONITORING ENTI								
AHJ (NOTIFIED) OF IMPA	AIRMENTS				<u> </u>			<u> </u>
			SVSTEM	INFORMATIO	NI			
GENERAL INFORMATIO	N (GI)		OTOTEM	IIII OKIIIATIO	<del>// (</del>	YES	NO	N/A
Is the building occur		?				X		1
2. Is the building fully	/ sprinkled?					X		
3. System(s) in service						X		
4. Spare heads and h						X		
<ol><li>Stock/Storage a m</li></ol>						X		
5 5	good condition, in	n 5-vr calib	oration, and s	showing por	nal pressures?	X		
7 Mot avatam arasa			oration, and showing normal pressures?					
7. Wet system areas	are adequately			snowing non	nai procource:	X		



	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	IV/A
<u>1.</u> 2.	Main control valves in good condition and identified?	X		
	Are control valves secure?	X		
	Are all control valves accessible & free from external leaks?			
<u>4.</u>		X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
		1 1/2-2		
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?		X	
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
	Are riser(s) in good condition & unobstructed?	X		
3.	Hydraulic nameplate in place and OK?	X		
7.	System ID securely attached & legible?	X		
	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			Х
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ο.	Are Backnow Preventers / Check valves present (if yes, complete rable 5)	^		
	RM INFORMATION (AI)	YES	NO	N/A
LA	Was the local alarm tested & OK?	X	NO	IN/A
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?			Х
	\			
	All dry valves have been trip tested & OK (See Table 3)			X
	All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?			X



T/	ABLE 1		AN	TI-FREEZE	LOOP					
	No.	Location o	f Loop				No. of Heads	Type of	Backflow	Temp
		N/A								
T	ABLE 2	T	NA.	AIN DRAIN	reet					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
K	1.	2	Static Fies		Residual I	35				
	2.			T		33				
	3.	ITV	IS AT F	RISER						
	4.	11.7	107(11	COLIC						
T.	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.								1		
	ation of D	rum Drains	<u> </u>					Tested?	Yes	No
1.										
2.										
3.										
4.								J		
т	ABLE 4	T	CONTROL	VAI VE INI	ORMATION	J				
			oomino.	- VALVE III		<u> </u>			I	
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
2	BACKFLC	W (OS&Y)	YES	YES	YES	YES	N/A	N/A	YES	YES
		R (BBALL)	YES	YES	YES	YES	N/A	N/A	YES	YES
1	ELEVATO	R (BBALL)	YES	YES	YES	YES	N/A	N/A	YES	YES
т	ABLE 5	D	ACKFLOW/C	HECK MALA	E INFORM	TION				
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	LOCA	ATION
	BACKFLC		AMES	3001SS	6"	2002	2011	<b></b>	WATER ROOM	
2.		W BYPASS	WATTS	2000B	3/4"	2002	2011		WATER ROOM	
3.	FDC		VICTAULIC	717	4"	2002	2010		ABOVE CEILIN	
4.	_		32.3						BOOK RET	
5.										
6.									1	
7.										
1.										



	C	N / OFF PRE	EMISES MONIT	ORING			
TYPE	YES	NO NO	TIME	<u> </u>	COMME	NTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
				•			
	NOTIFI	CATIONS TH	IAT TESTING IS	COMPLETE			
TYPE	YES		,	WHO		T	IME
BUILDING OCCUPANTS							
BUILDING MANAGEMENT	X	STEVE / DA	AVID KUFFNER			3;0	DOPM
MONITORING ENTITY	X	CAMPUS S	SECURITY			3:0	OOPM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
THIS TESTING WA	AS PERFORI	MED IN ACC	ORDANCE WIT	H APPLICABLE	NFPA STANDA	ARDS	
INSPE	CTOR'S	COMMEN	TS AND RE	COMMENDA	ATIONS		
(2) BACKFLOW DEVICES NEED SCHEDULE  NOTE: MAIN ALARM PANEL ELECTRICAL F  ALSO WHEN IN WALK TEST , NO SIGNALS	RM BY RISER						
ALSO WILLIAM WALK TEST, NO SIGNALS	COME INTO	SIMI LEX					
EVETEM DESTODED TO MODMA! OP							
SYSTEM RESTORED TO NORMAL OP	ERATION		DATE	6/6/1	12	ГІМЕ	12:30PM
NAME OF INSPECTOR	ERATION		DATE  JASON JOHN		2	ГІМЕ	12:30PM
	ERATION				12	ТІМЕ	12:30PM
NAME OF INSPECTOR				STON	-	ГІМЕ	12:30PM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE	SENTATIVE		JASON JOHN	STON	-	ГІМЕ	12:30PM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F	SENTATIVE	ATIVE	JASON JOHN DAVID KUFFN	STON		ГІМЕ	12:30PM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F	SENTATIVE REPRESENT	ATIVE	JASON JOHN DAVID KUFFN	STON  NER  Yes or No	YES	ГІМЕ	12:30PM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F  Is system code compliant with occ  Have the noted deficiencies/violati	SENTATIVE REPRESENT supancy & sons been c	ATIVE stored com- orrected?	JASON JOHN DAVID KUFFN modity?	STON  NER  Yes or No Yes or No	YES	ГІМЕ	12:30PM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F	SENTATIVE REPRESENT supancy & sons been c	ATIVE stored com- orrected?	JASON JOHN DAVID KUFFN modity?	STON  NER  Yes or No	YES	ГІМЕ	12:30PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:	7/24/2012			76	01 Martindale Ave 46 S. Sprinkle Rd	., Portage M	I .	
ARRIVAL TIME:	6:30 AM			28:	33 S. Champagne 221 Beck Rd., Su	ite A-9, Wixo	om MI	
WORK ORDER NUMBER:	244886		1	10	50 Arbor Tech Dr.	Suite F, He	bron KY	
	•		1	DD 0 DED TV				
SERVICE ORGANIZATI	ION (CORPOR	(AIE)		PROPERTY	NAME			
Vanguard Fire & Security	y			Name:	WAYNE STATE	- BIOLOGIC	CAL SERVI	CES - 089
2101 Martindale Ave. SV	V			Address:	5047 GULLEN N	/ALL		
Grand Rapids, MI 49509	)			DETROIT, M	11 48202			
, ,				·				
Technician:	J. JOHNSTO	N		Owner Conta	act:	DAVID KUF	FNER/BILL	AARON
				Telephone:		(313) 753-8	865	
Telephone:	800-444-871	9	Approving Agency:			DETROIT FIRE DEPARTMENT		
			DDIOD TO	O ANY TESTI	NG			
NOTIFICATIONS		YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT	Г	Χ	(313) 753-8865 DAVID KUFFNEI			IER / BILL AARON 6:3		
MONITORING ENTITY		Χ			CAMPUS SECUR	ITY		6:30AM
2ND MONITORING ENTIT	Υ							
AHJ (NOTIFIED) OF IMPA	IRMENTS							
			CVCTEM	LINEODMATIO	ANI			
GENERAL INFORMATION	ı (CI)		SYSTEM	INFORMATIO	N .	YES	NO	N/A
Is the building occu		?				X	140	IV/A
Is the building fully:							Χ	
System(s) in service		fication sine	ce the last i	nspection?		Χ		
Spare heads and heads are heads and heads and heads are heads and heads and heads are heads are heads are heads and heads are heads							Χ	
<ol><li>Stock/Storage a min</li></ol>	nimum of 18" b	elow sprin	kler heads a	& ceiling tiles	in place?	X		
6. Are all gauges in go						Χ		
7. Wet system areas a	are adequately	heated?				X		



'AL'	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		14,71
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves accessible wife from external leaks:  Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.		^		V
7.	Valves lubricated?			X
200	NIZI ED 9 DIDING INFORMATION (CI)	VEC	NO	N/A
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?		X	
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
	System ID securely attached & legible?	X		
8.	Pipe in good condition, free of damage, obstructions, and leaks?		X	
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		,
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are backnow Freventers? Check valves present (if yes, complete rable 5)	^		
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	NO	IN/A
1.				
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?			X
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
).				X
	All dry valves have been trib tested & CJK (See Table 3)			
5. 6. 7.	All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?	+ -		X



T,	ABLE 1		AN	TI-FREEZE I	LOOP					
— <i>"</i>	No.	Location o					No. of Heads	Type of	Backflow	Temp
	110.	N/A	. гоор				110. 01 110000	1300 01	Buokilow	Tomp
		14/74								
T	ABLE 2		М	AIN DRAIN 1	FST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1.	2"	15	•		N/A				
	2.					. 47 .				
	3.									
	4.									
	5.									
					<u> </u>					
T.	ABLE 3		DF	RY SYSTEM	TEST					
	Valve				-	Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	N/A				•		-			
2.										
3.										
Loca	ation of D	rum Drains	S					Tested?	Yes	No
1.										
2.										
3.										
4.										
T.	ABLE 4		CONTRO	L VALVE INF	FORMATION	J				
										_
	_									Tamper
Qty		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	
	MAIN (OS		YES	YES	YES	YES	N/A	N/A	YES	YES
	BYPASS (		YES	YES	YES	YES	N/A	N/A	YES	YES
1	PUMP (OS		YES	YES	YES	YES	N/A	N/A	YES	YES
1		L (BUTTERFLY)	YES	YES	YES	YES	N/A	N/A	YES	YES
	TEST HD	•	YES	YES	N/C	YES	N/A	N/A	YES	YES
	JOCKEY (	•	YES	YES	YES	YES	YES	N/A	N/A	N/A
1	BBALL 1ST	FL. STAIRS		<u> </u>	<u> </u>					
	ADIEF		ACKEL OWIG	HECK WALL	E INFORMA	TION				
_	ABLE 5	POSE	ACKFLOW/C	MODEL	SIZE	YEAR	LASTINODE	CTED	100	ATION
No. 1.	BACKFLO		AMES	3000SS	6"		LAST INSPE			PUMP ROOM
	BYPASS	VV	CENTRAL	90	6"	2000 1988	2010 2010			PUMP ROOM
	DIFAGO			90	6"	1988	2010			PUMP ROOM
13	DLIMD		( LEVILDY)		ı O	1900	2010		DAOEINEINI	FUIVIE KUUIVI
3. 1	PUMP		CENTRAL			1000	2040			
4.	FDC		CENTRAL	90	4"	1988	2010		BASEMENT	PUMP ROOM
4. 5.	FDC JOCKEY		CENTRAL HAMMOND	90 BRASS SWING	4" 1¼"	1988	2010		BASEMENT BASEMENT	PUMP ROOM PUMP ROOM
4.	FDC JOCKEY	OR CHECK	CENTRAL	90	4" 1¼"	1988			BASEMENT BASEMENT	PUMP ROOM



		ON / OFF PR	EMISES MONIT	ORING		
TYPE	YES	NO	TIME	СО	MMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
		CATIONS TI	HAT TESTING I			
ГҮРЕ	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X		IFFNER / BILL A	ARON		
MONITORING ENTITY	X	CAMPUS	SECURITY			
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS	O DEDEODI	MED IN A OC	NODDANIOE WIT	FU ADDI IOADI E NEDA OT	TANDADDO	
				TH APPLICABLE NFPA ST		
INSPE NO WRENCH IN SPARE HEAD BOX (CORRE				<b>ECOMMENDATIONS</b>	•	
	TE AND WITH		,			
3" X 4½" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET	TE AND WITH VALVE HAS T WORK - RE	CORROSION COMMEND C	AND SHOULD BI	E REPLACED	REMODELED IN F	FEW WEEKS
FOUND 2" ANGLE VALVE HARD TO OPERA 3" X 4½" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET TIME TO ALARM, STAND PIPE = 30 SEC, SF BUILDING ONLY SPRINKLED IN BASEMENT	TE AND WITH VALVE HAS I WORK - RE PRINKLER = 2	CORROSION COMMEND C	AND SHOULD BI	E REPLACED PENDANT HEAD, RM TO BE F	REMODELED IN F	FEW WEEKS
3" X 4½" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET TIME TO ALARM, STAND PIPE = 30 SEC, SP	TE AND WITH VALVE HAS I WORK - REP PRINKLER = 2 I AND 1ST FL	CORROSION COMMEND C	AND SHOULD BI	E REPLACED PENDANT HEAD, RM TO BE F	REMODELED IN F	FEW WEEKS
S" X 4½" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET FIME TO ALARM, STAND PIPE = 30 SEC, SP BUILDING ONLY SPRINKLED IN BASEMENT  SYSTEM RESTORED TO NORMAL OPE	TE AND WITH VALVE HAS I WORK - REP PRINKLER = 2 I AND 1ST FL	CORROSION COMMEND C	AND SHOULD BE ONVERTING TO SS REPAIR SHOP	E REPLACED PENDANT HEAD, RM TO BE F P AND RECEIVING 7/24/12		
S" X 4½" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET FIME TO ALARM, STAND PIPE = 30 SEC, SP BUILDING ONLY SPRINKLED IN BASEMENT  SYSTEM RESTORED TO NORMAL OPE	TE AND WITH VALVE HAS I WORK - REP PRINKLER = 2 I AND 1ST FL	CORROSION COMMEND C	AND SHOULD BI	E REPLACED PENDANT HEAD, RM TO BE F P AND RECEIVING 7/24/12		T
S" X 4½" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET TIME TO ALARM, STAND PIPE = 30 SEC, SF BUILDING ONLY SPRINKLED IN BASEMENT SYSTEM RESTORED TO NORMAL OPE NAME OF INSPECTOR	TE AND WITH VALVE HAS I WORK - REP PRINKLER = 2 I AND 1ST FL	CORROSION COMMEND C	AND SHOULD BE ONVERTING TO SS REPAIR SHOP	E REPLACED PENDANT HEAD, RM TO BE F P AND RECEIVING 7/24/12		T
S" X 4½" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET TIME TO ALARM, STAND PIPE = 30 SEC, SP BUILDING ONLY SPRINKLED IN BASEMENT  SYSTEM RESTORED TO NORMAL OPE NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	TE AND WITH VALVE HAS F WORK - REP PRINKLER = 2 F AND 1ST FL ERATION	CORROSION COMMEND C 20 SEC .OOR IN GLAS	AND SHOULD BE ONVERTING TO SS REPAIR SHOP	E REPLACED PENDANT HEAD, RM TO BE F P AND RECEIVING 7/24/12		T
3" X 4½" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET TIME TO ALARM, STAND PIPE = 30 SEC, SP BUILDING ONLY SPRINKLED IN BASEMENT	TE AND WITH VALVE HAS T WORK - REP PRINKLER = 2 T AND 1ST FL ERATION  SENTATIVE	CORROSION COMMEND C 20 SEC .OOR IN GLAS	AND SHOULD BE ONVERTING TO SS REPAIR SHOP	E REPLACED PENDANT HEAD, RM TO BE F P AND RECEIVING 7/24/12		
S" X 41/2" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET TIME TO ALARM, STAND PIPE = 30 SEC, SP BUILDING ONLY SPRINKLED IN BASEMENT SYSTEM RESTORED TO NORMAL OPE NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY OWNER/RE	TE AND WITH VALVE HAS T WORK - RE PRINKLER = 2 T AND 1ST FL ERATION  SENTATIVE	CORROSION COMMEND C 20 SEC OOR IN GLAS	AND SHOULD BE ONVERTING TO SS REPAIR SHOPE DATE  JASON JOHN	E REPLACED PENDANT HEAD, RM TO BE F P AND RECEIVING 7/24/12 ISTON		
S" X 41/2" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET FIME TO ALARM, STAND PIPE = 30 SEC, SF BUILDING ONLY SPRINKLED IN BASEMENT SYSTEM RESTORED TO NORMAL OPE NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY OWNER/RE SIGNATURE OF PROPERTY OWNER/RE IS SYSTEM CODE COMPILIANT WITH OCC	TE AND WITH VALVE HAS F WORK - REPRINKLER = 2 F AND 1ST FLE ERATION  SENTATIVE REPRESENT  upancy & 5	CORROSION COMMEND C 20 SEC OOR IN GLAS  CATIVE  Stored com	AND SHOULD BE ONVERTING TO SS REPAIR SHOPE DATE  JASON JOHN	PENDANT HEAD, RM TO BE FOR AND RECEIVING  7/24/12  ISTON  Yes or No		
S" X 41/2" NIPPLE BY SPRINKLER CONTROL HEAD IN GLASS SHOP TO CLOSE TO DUCT ALL SIGNALS RECEIVED AND RESET TIME TO ALARM, STAND PIPE = 30 SEC, SP BUILDING ONLY SPRINKLED IN BASEMENT SYSTEM RESTORED TO NORMAL OPE NAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY OWNER/RE	TE AND WITH VALVE HAS TWORK - REPRINKLER = 2 TAND 1ST FL ERATION  SENTATIVE REPRESENT Upancy & sons been company and services are services as a services are services as a services are services and services are services are services as a services are se	CORROSION COMMEND C 20 SEC COOR IN GLAS EATIVE Stored comeorrected?	AND SHOULD BE ONVERTING TO SS REPAIR SHOPE DATE JASON JOHN Immodity?	E REPLACED PENDANT HEAD, RM TO BE F P AND RECEIVING 7/24/12 ISTON		T



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

	ı			- F	1		0144 0	
DATE:	7/24/12						e. SW, Gran ., Portage M	d Rapids MI II
ARRIVAL TIME:	6:30AM			X			Dr, Sagina	
				1 🗀			ite A-9, Wix	
WORK ORDER NUMBER:	244864				1050 Ark	oor Lech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION	N (CORPORA	ATE)		7	PROPERT	TY NAME		
Vanguard Fire & Security				Name:	BIOLOGIC	CAL SCIENC	E - 089	
2101 Martindale Ave. SW					Address:	5047 GUL	LEN MALL	
					DETROIT	l .		
Grand Rapids, MI 49509					DETROIT,	NII 48202		
				٦				
Technician:	JASON JO	OHNSTON		_	Owner Co	ntact:	DAVID KU	FFNER
					Telephone	):	(313) 577-0	0311
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT.
			PRIOR TO AN		T			
NOTIFICATIONS		YES	PHONE I	NUMBER	ER WHO T			TIME
BUILDING OCCUPANTS			(0.4.0) =		D 4) (ID 14) I	ENED (DILL		0.00414
BUILDING MANAGEMENT MONITORING ENTITY		X	(313) 75	03-8865		FNER / BILL	AARON	6:30AM
2ND MONITORING ENTITY		^			CAMPUS SECURITY			
AHJ (NOTIFIED) OF ANY IN								
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUN	IP DATA				
MANUFACTURER		ITT		RATE GPM	RATE GPM 750			
MODEL				RATE PSI			105	
SERIAL NUMBER	9	01-94473-0	1-01	PSI @ 150%			97	
TYPE		KSIF		MAX PRES			112	
RATED RPM		1780		AUTO STAF			130	
IMPELLER SIZE		15.62		SATISFIED			160	
HORSE POWER	IORSE POWER 75				AUTO STOP NO			
WATER SUPPLY		CITY		RUN TIMER	?		N/A	
			FIDE DUM	DRIVER				
MANUFACTURER		US MOTO	FIRE PUMF	FRAME	365TS	RATED RP	N /	1780
MODEL		US WICTO	INO.	VOLTAGE	460	HZ	IVI	60
SERIAL NUMBER	HO	12T07T101	R075M	AMP	93	HORSE PC	)WFR	75
TYPE	110	ELECTRI		PHASE	3	SERVICE F		2.15
		LLLOTIN		1. 11/ OL		JOERWIOLI	,	2.10



		PCONTROL				
MANUFACTURER	METRON	HORSE POWER RATING	3		75	
MODEL	M300-75-460-C VOLTAGE				460	
SERIAL NUMBER	ERIAL NUMBER FE-9043892-01 AMP RMS					
		PUMP DATA				
MANUFACTURER	GRUNDFOS	INLET/OUTLET SIZE			1¼"	
MODEL	CR-2	START PRESSURE (ON			140	
SERIAL NUMBER	8A.200007	STOP PRESSURE (OFF	)		160	
HORSE POWER	1.5	VOLTAGE			460	
		RMS PROVIDED		ı		
DISPLAYED AT	LOBBY PANEL	PHASE REVERSAL			NO	
PUMP RUNNING	YES	PUMP ROOM LOW TEM	<u>P</u>		N/A	
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A	
	51D 5 D1114D					
Increation of Duran	FIRE PUMP	TEST REPORT	VEC	NO	NI/A	
Inspection of Pump 1. System found in service?			YES X	NO	N/A	
System round in service?     Fire pump controller in automatic service?			X			
<ol> <li>Fire pump controller in automatic service;</li> <li>Jockey pump controller in service on auto?</li> </ol>	·		X			
Jockey pump controller in service on auto?     A. Is alarm panel clear?			X			
Is alarm paner clear?      Is pump room secure?			X			
6. Heat, light and ventilation ok?			X			
7. Is pump room clean, dry and orderly?			X			
8. Ventilating louvers free to operate?			^		X	
Suction, discharge and bypass valves operate:	2		X			
10. Piping, valves and fittings free from leaks			X			
11. Main relief valve functions ok?	<u>f</u>		^	X		
Electronic Pump Inspection			YES	NO	N/A	
Isolation switch and circuit breaker exercis	od?		X	NO	IN/A	
Diesel Pump Inspection	eu :		YES	NO	N/A	
Fuel tank at least two-thirds full?			120	110	X	
Controller selector switch in auto position?					X	
Battery voltage and reading normal?					X	
Battery charging current reading normal?					X	
Battery terminal free from corrosion?					X	
6. Battery acid level ok?					X	
7. All alarm indicators off?					X	
8. Oil levels normal?					X	
Grankcase breather cleaned and ok?					X	
10. Water strainer cleaned?					X	
11. Wire chafing inspected?					X	
12. Pressure recorder reset and graph paper	present?				X	
13. Engine coolant level normal?	p. 000/11.				X	
14. Does Heat Exchanger Solenoid function	properly?				X	
555 = Aonangor Golonola lanotion	٠٠٠٠٠٠ ٠				· · ·	



INSPECTION	OF FIRE PUMP AND PIPING	COMPONENTS		
	-	YES	NO	N/A
1. Valves in proper position and in good condition?		X		
2. Are all valves listed for application?	X			
3. Valves locked, sealed or supervised?		X		
4. Are all valves tagged and identified?		X		
5. Jockey pump operational?		X		
6. Packing glands appear properly adjusted?		X		
7. Bi-monthly test records available?				X
8. Were automatic starts performed?		X		
9. Were manual starts performed?		X		
10. Did automatic and manual starts and stops function	on properly?	X		
11. Remote alarm conditions demonstrated?		X		
12. Are drains operational and ok?		X		
13. Does fire pump shaft and coupling appear to be pro	operly aligned?	X		
14. Does jockey pump appear to be aligned ok?		X		
15. Does fire pump have casing relief valve and does i	t function properly?	X		
16. Is test header in good condition and drained?	-1		Χ	
17. Supplying tank or reservoir appears to be in satisfa	actory condition?			X
18. Tank water level ok?		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		X
19. At completion, was pump returned to automatic op				
20. Site personnel were offered instruction in pump op	erations?	X		
21. Sensing lines for jockey and fire pump separate?		X		
22. Power transfer switch tested and ok?				X
	FLOW INSPECTION REPOR	T		
Fire Pump Flow Test Report	CHURN	100% FLOW	150%	6 FLOW
RPM During Test	1777	1785	1	1780
Voltage During Test	482 483 487	478 480 480	480	482 482
Amperage During Test	43 45 46	94 97 98	106	110 110
RATED NET HEAD	105			
SUCTION PRESSURE	38	35		18
DISCHARGE PRESSURE	167	139		107
NET HEAD	129	104		89
RATED GPM 750	0			
OUTLET A PITOT	NA	375		557
OUTLET B PITOT	NA	375		557
OUTLET C PITOT	NA			
OUTLET D PITOT	NA			
OUTLET E PITOT	NA			
TOTAL FLOW	0	750		1114
		4.000/	4	4007
RATED % OF FLOW		100%	1	49%



	TYPE		ISUAL	FUNCTI	ONAL	COMME	NTS
BATTERY CONDITION			N/A				
VOLTAGE							
BATTERY SIZE							
CHARGER VOLTAGE							
	EMEDOEN	ICY COMM	LINICATION E	OLUDMENT: ON	I/OFF MONITORING		
TYPE	YES	NO NO	TIME		COMME	NTS	
ALARM SIGNAL	X	110	111111		COMMI	1410	
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	Χ						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
		NOTIFICA					
TYPE		NOTIFICA YES	TIONS THAT T	ESTING IS CO WHO		<u> </u>	TIME
BUILDING OCCUPANTS		IES		VVIIC	•	+	I IIVIL
BUILDING MANAGEMENT		X	DAVID KUFF	NER / BILL AA	RON	+	3:30 PM
MONITORING ENTITY		X	CAMPUS SEC			+	0.00 i ivi
2ND MONITORING ENTITY			3, 33 3E			1	
AHJ (NOTIFIED) OF ANY IMPA	IRMENTS						
THIS TEST	ING WAS P	ERFORME	D IN ACCORDA	ANCE WITH A	PPLICABLE NFPA S	TANDARDS	
				_	PPLICABLE NFPA ST		
I	NSPECT	OR'S CO	MMENTS A	_			
PUMP OPERATED PROPER	NSPECTORLY AT TIME	OR'S CO	OMMENTS A	AND RECO	MMENDATION	S	RESIDUAL
PUMP OPERATED PROPER RECOMMEND INSTALLING	NSPECTORLY AT TIME	OR'S CO	OMMENTS A	AND RECO	MMENDATION	S	T RESIDUAL
PUMP OPERATED PROPER RECOMMEND INSTALLING	NSPECTORLY AT TIME	OR'S CO	OMMENTS A	AND RECO	MMENDATION	S	RESIDUAL
PUMP OPERATED PROPER RECOMMEND INSTALLING	NSPECTORLY AT TIME	OR'S CO	OMMENTS A	AND RECO	MMENDATION	S	RESIDUAL
PUMP OPERATED PROPER RECOMMEND INSTALLING	NSPECTORLY AT TIME	OR'S CO	OMMENTS A	AND RECO	MMENDATION	S	「RESIDUAL
II PUMP OPERATED PROPER RECOMMEND INSTALLING	NSPECTORLY AT TIME	OR'S CO	OMMENTS A	AND RECO	MMENDATION	S	RESIDUAL
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER	NSPECTORLY AT TIMES DRAIN VA	OR'S COME OF TES	OMMENTS A	AND RECO	MMENDATION	S	1
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR	NSPECTORLY AT TIMES DRAIN VA	OR'S COME OF TES	OMMENTS A	AND RECO	PMMENDATION: RE IS NO WAY TO  7/24/12	S DRAIN OUT	1
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR NAME OF INSPECTOR	NSPECTORLY AT TIMES DRAIN VA	OR'S COME OF TES	OMMENTS A	AND RECOR LINE, THE	PMMENDATION: RE IS NO WAY TO  7/24/12	S DRAIN OUT	TRESIDUAL
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR NAME OF INSPECTOR	NSPECTORLY AT TIMES DRAIN VA	OR'S COME OF TES	OMMENTS A	AND RECOR LINE, THE	PMMENDATION: RE IS NO WAY TO  7/24/12	S DRAIN OUT	1
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE	NSPECTORLY AT TIMES DRAIN VA	OR'S COME OF TES	OMMENTS A	AND RECOR LINE, THE	PMMENDATION: RE IS NO WAY TO  7/24/12	S DRAIN OUT	1
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE	MAL OPER	OR'S COME OF TES	OMMENTS A	AND RECOR LINE, THE	PMMENDATION: RE IS NO WAY TO  7/24/12	S DRAIN OUT	1
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE SIGNATURE OF PROPERTY OF	MAL OPER	OR'S COME OF TESTALVE ON THE OR THE O	DMMENTS AST TEST HEADER	DATE  JASON JOHN	MMENDATION: RE IS NO WAY TO  7/24/12 ISTON	DRAIN OUT	1
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE SIGNATURE OF PROPERTY OF SIGNATURE SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE OF SIGNATURE SIGNATURE OF SIGNATURE SIGNAT	MAL OPER  NTATIVE  WITH OCCUP	OR'S COME OF TESTALVE ON THE OR TESTALVE ON THE OR	TIVE	DATE  JASON JOHN	MMENDATION: RE IS NO WAY TO  7/24/12  ISTON  Yes or N	TIME	1
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE SIGNATURE OF PROPERTY OF	MAL OPER  NTATIVE  With occup s/violation	OR'S COME OF TESTALVE ON THE OR TESTALVE ON THE OR TESTALVE ON THE OR TESTALVE ON THE OR TESTALVE OR T	TIVE  ored commo	DATE JASON JOHN	7/24/12 STON  Yes or N Yes or N	TIME  O YES O YES	1
PUMP OPERATED PROPER RECOMMEND INSTALLING WATER  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF SIGN	MAL OPER  WITH OCCUP  S/Violation  tions been	OR'S COME OF TESTALVE ON THE OR TESTALVE ON THE OR TESTALVE ON THE OR TESTALVE ON THE OR TESTALVE OR T	TIVE  ored commo	DATE JASON JOHN	MMENDATION: RE IS NO WAY TO  7/24/12  ISTON  Yes or N	TIME  O YES O YES	1

**DIESEL BATTERY INSPECTION** 



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

DATE:	7/24/2012		]		46 S. Sprinkle Rd 33 S. Champagne					
ARRIVAL TIME:	7:00 AM			28	221 Beck Rd., Su	iite A-9, Wixo	om MI			
WORK ORDER NUMBER:	244873 & 24	14874		1050 Arbor Tech Dr. Suite F, Hebron KY						
SERVICE ORGANIZATION	]	PROPERTY	NAME							
Vanguard Fire & Security		Name:	WAYNE STATE	- ENGINEE	RING BUIL	DING - 090				
2101 Martindale Ave. SW	I			Address:	5050 ANTHON	Y WAYNE				
Grand Rapids, MI 49509				DETROIT, N	/II 48202					
·			_							
Technician:	J. JOHNSTO	ON		Owner Cont	act:	DAVID KUF	FNER/RO	CKY		
				Telephone:			(313) 577-0311			
Telephone:	800-444-871	19		Approving A	Agency: DETROIT FIRE DEPA			RTMENT		
			DDIOD T	O ANIV TEOT	IN O					
PRIOR TO ANY TESTING NOTIFICATIONS YES PHONE NUMBERS								TIME		
BUILDING OCCUPANTS		ILO	FHONE	NOWIDERS		WHO		TIME		
BUILDING MANAGEMENT		X			DAVID KUFFNER	?		7:00AM		
MONITORING ENTITY		X			CAMPU SECURI			7:00AM		
2ND MONITORING ENTITY	<b>′</b>	Λ.			07 HW 0 02001 H			7.007.001		
AHJ (NOTIFIED) OF IMPAI										
			SYSTEM	INFORMATIO	ON					
<b>GENERAL INFORMATION</b>	(GI)					YES	NO	N/A		
<ol> <li>Is the building occup</li> </ol>		t?				X				
<ol><li>Is the building fully s</li></ol>						X				
3. System(s) in service without modification since the last inspection?						X				
Spare heads and head box with wrench securely mounted?						X				
<ol><li>Stock/Storage a min</li></ol>							X			
6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?					X					
<ol><li>Wet system areas a</li></ol>	re adequately	/ heated?				X				



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		14,71
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
<u>4.</u>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
7.	valves lubilicateu?			
· DD	INIZI ED & DIDING INFORMATION (CI)	YES	NO	N/A
	INKLER & PIPING INFORMATION (SI)	X	NO	IN/A
	Are all sprinkler heads unobstructed?			
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		_
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
12.	Are Relief Valves on gridded system OK?			X
13.	Fire Department Connection (FDC) & Caps OK?	X		
14.	FDC equipped with ball drip? (if yes, in good working order?)			X
15.	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
				<u></u>
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?	^		X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
<u>' .                                     </u>	Was inspector rest performed and results Ort:	^		<u> </u>
npv	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?	IES	NU	
1.		+		X
2.	Pressure & priming water OK?	_		X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
`	All dry valves have been trip tested & OK (See Table 3)			X
o				
6. 7.	Dry pipe valves are in heated area?  Was customer informed that they need to drain all drum drips on a monthly basis?			X



<b>T</b>	ADLE 4	ı	A N1**	II EDEEZE	LOOD					
17	ABLE 1 No.	Leastion		ΓI-FREEZE	LOOP		No. of Hoods	Type of	Doolellow	Toma
	NO.	Location o	т соор				No. of Heads	Type of	Backflow	Temp
		N/A								
T	ABLE 2	T T	M.A	AIN DRAIN	TEST					
	iser No.	Drain Size				Pressure (PSI)				
	1.	2"	110			` ,				
	2.									
	3.									
	4.									
	5.									
		1								
T	ABLE 3		DR	Y SYSTEM	TEST	<u> </u>			T =	1
	Valve		(5. )/.1	<b>.</b>	4 1 🖚	Starting Air			Trip Air	T Ti
No.	Size	Location o	of Dry Valve	Full or P	artial Trip	Pressure	Starting Water Pressure		Pressure	Trip Time
	N/A									
2. 3.										
	ation of D	rum Drain	<u> </u>					Tested?	Yes	No
_ <del></del>	ם וטווטוו	ruili Diaili	<u> </u>					Testeu:	163	140
2.								-	_	
3.								-		
4.								1		
								_		
T	ABLE 4		CONTROL	. VALVE INI	FORMATION	I				
	<b>T</b>	- f Malaca	A : !- ! -	0!	0	0	On alast	111	0	Tamper
Qty		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	
	MAIN/BFF		YES	NO	YES	YES	N/A	N/A	YES	YES
	PUMP (OS	(BUTTERFLY)	YES YES	NO NO	YES YES	YES YES	N/A N/A	N/A N/A	YES YES	YES YES
	TEST HEA		YES	N/A	NO	YES	N/A N/A	N/A N/A	YES	YES
	SECTION.		YES	NO	YES	YES	N/A	N/A	YES	YES
7	SECTION	AL (DI LI)	120	140	120	120	13/73	1 1/71	120	120
					<u> </u>					
T	ABLE 5	В	BACKFLOW/CI	HECK VALV	E INFORMA	ATION				
lo.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	LOC	ATION
	SEE PUM									
2.										
3.										
1.										



		ON / OFF PRE	MISES MONI	ORING	
TYPE	YES	NO	TIME	СОММ	ENTS
ALARM SIGNAL	X				
ALARM RESTORAL	X				
TROUBLE SIGNAL	X				
TROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	X				
SUPERVISORY RESTORAL	X				
	NOTIF	CATIONS TH	AT TESTING	S COMPLETE	
TYPE	YES			WHO	TIME
BUILDING OCCUPANTS					
BUILDING MANAGEMENT	X	DAVID KUF	FNER		3:30PM
MONITORING ENTITY	X	CAMPUS S	ECURITY		3:30PM
2ND MONITORING ENTITY					
AHJ (NOTIFIED) OF IMPAIRMENTS					
THIS TESTING WA	S PERFOR	MED IN ACCO	RDANCE WI	TH APPLICABLE NFPA STAND	DARDS
INSPE	CTOR'S	COMMEN	S AND R	ECOMMENDATIONS	

PAINTED SPRINKLERS: (2) UPRIGHTS IN RM 2404.2, (2) UPRIGHTS IN RM 0320.1 (9) UPRIGHTS IN HIGH AREA OR STRUCTUAL LAB RM 1305, LAB RM 3310, JANITORS CLOSET RM 3350

NOT ABLE TO ACCESS GAUGE AND FLOW SWITCH IN SSIM 3RD FLOOR CLEAN ROOM

CEILING TILES NEAR WINDOW MISSNG IN ROOM 2150

MANY CEILING TILES MISSING IN RM 3355, THE ADVANCED INTELLIGENT COMPUTING ROOM STORAGE WITHIN 18" OF SPRINKLER HEAD IN WORK ROOM 1169 AND OFFICE 1163

SYSTEM RESTORED TO NORMAL OPERATION	DATE	7/24/	12	TIME	3:30PM
NAME OF INSPECTOR	JASON JOHN	ISTON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored co	mmodity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected	?	Yes or No	YES		
Have the deficiencies/violations been authorized for re	pair?	Yes or No	YES		
If no please explain reason:	-		-		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

					1		0144 0	
DATE:	7/25/12						e. SW, Gran I., Portage M	
ARRIVAL TIME:	7:00am			X	1633 S.	Champagn	e Dr, Sagina	w MI
							ite A-9, Wix	
WORK ORDER NUMBER:	244873				] 1050 Ark	or Lech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZAT	ON (CORPORA	TE)		7	PROPER1	Y NAME		
Vanguard Fire & Securit	v			]	Name:	ENGINEER	RING BLDG -	090
2101 Martindale Ave. SV		Address:		ONY WAYNE				
							TOTAL WATER	_
Grand Rapids, MI 49509					DETROIT,	MI 48202		
				7				
Technician:	JASON JO	OHNSTON			Owner Co	ntact:	ROCKY / E	DAVE
					Telephone	):	(313) 577-0	0311
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT
						,		
			PRIOR TO AN	NY TESTING	_			
NOTIFICATIONS		YES	PHONE	NUMBER		WHO		TIME
BUILDING OCCUPANTS			313-68	4-4300				
BUILDING MANAGEMENT		X	(313) 577-0311		DAVE / RO	CKY		7:00AM
MONITORING ENTITY		X			CAMPUS S	ECURITY		7:00AM
2ND MONITORING ENTIT	Υ							
AHJ (NOTIFIED) OF ANY	MPAIRMENTS							
		FIDE DUM	D 0 1001/EV	DUMED INTEGE	NAATION.			
		FIRE PUM	P & JOCKEY FIRE PUN		RIMATION			
MANUFACTURER	Δ1	LLIS CHALM					1000	
MODEL	Al	LLIS CHALI	VIERO	RATE OF W	RATE GPM 1000			
SERIAL NUMBER		8 <b>54-93366-</b> 0	1 01	PSI @ 150%	/		65 43	
TYPE	C	KSIF	11-01	MAX PRES			43 78	
RATED RPM		1780		AUTO STAF			75	
IMPELLER SIZE		13.12		SATISFIED			100	
HORSE POWER		50		AUTO STO			YES	
WATER SUPPLY CITY			RUN TIMER					
			FIRE PUMI	P DRIVER				
MANUFACTURER		US ELECT	RIC	FRAME	326 TS	RATED RF	PM	1770
MODEL	1	N/A		VOLTAGE	460	HZ		60
MODEL		IN/A		VOLIMOL	700	l—		
SERIAL NUMBER	9402	2952-934 K	0830466	AMP	60.5	HORSE PO	OWER	50



	FIRE PUMP	CONTROL					
MANUFACTURER	METRON	HORSE POWER RATING	3		50		
MODEL	M300W-50-460B	VOLTAGE			460		
SERIAL NUMBER	EE-852506	AMP RMS		30,000			
					,		
	JOCKEY PL	JMP DATA					
MANUFACTURER	PROCON/WESTINGHOUSE	INLET/OUTLET SIZE			3/8"		
MODEL		START PRESSURE (ON	)		90		
SERIAL NUMBER	316P497	STOP PRESSURE (OFF)			100		
HORSE POWER	3	VOLTAGE			115		
	REMOTE ALAR	MS PROVIDED					
DISPLAYED AT	AT PANEL	PHASE REVERSAL			N/A		
PUMP RUNNING	YES	PUMP ROOM LOW TEM	P		N/A		
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A		
	FIRE PUMP TE	ST REPORT					
Inspection of Pump			YES	NO	N/A		
System found in service?			Χ				
Fire pump controller in automatic service	?		Χ				
Jockey pump controller in service on auto			Χ				
4. Is alarm panel clear?			Χ				
5. Is pump room secure?	Χ						
6. Heat, light and ventilation ok?	Χ						
7. Is pump room clean, dry and orderly?			X				
8. Ventilating louvers free to operate?					X		
9. Suction, discharge and bypass valves op	en?		Χ				
10. Piping, valves and fittings free from leak	s?		Χ				
11. Main relief valve functions ok?			Χ				
Electronic Pump Inspection			YES	NO	N/A		
1. Isolation switch and circuit breaker exerc	ised?		Χ				
Diesel Pump Inspection			YES	NO	N/A		
1. Fuel tank at least two-thirds full?					X		
2. Controller selector switch in auto position	1?				X		
3. Battery voltage and reading normal?					X		
4. Battery charging current reading normal?					X		
5. Battery terminal free from corrosion?					X		
6. Battery acid level ok?				X			
7. All alarm indicators off?			X				
8. Oil levels normal?			X				
9. Crankcase breather cleaned and ok?					X		
10. Water strainer cleaned?					X		
11. Wire chafing inspected?					X		
12. Pressure recorder reset and graph paper	er present?				X		
13. Engine coolant level normal?	<del></del>				X		
14. Does Heat Exchanger Solenoid function	properly?				X		



	THOR OF T	IRE PUMP AND PIPING C	OIIII OIVEI		NO	NI/A
Valves in proper position and in good condition	n?			YES	NO	N/A
<ol> <li>valves in proper position and in good conduct</li> <li>Are all valves listed for application?</li> </ol>	JII!			X		
3. Valves locked, sealed or supervised?				X		
4. Are all valves tagged and identified?				X		
5. Jockey pump operational?						
6. Packing glands appear properly adjusted?				X		
7. Bi-monthly test records available?					X	
8. Were automatic starts performed?				X		
9. Were manual starts performed?				X		
10. Did automatic and manual starts and stops	function pr	operly?		X		
11. Remote alarm conditions demonstrated?	•	•			X	
12. Are drains operational and ok?				Х		
13. Does fire pump shaft and coupling appear to	o be properl	y aligned?		X		
14. Does jockey pump appear to be aligned ok?	>			X		
15. Does fire pump have casing relief valve and	does it fund	ction properly?		X		
16. Is test header in good condition and drained				X		
17. Supplying tank or reservoir appears to be in				X		
18. Tank water level ok?				X		
<ol><li>At completion, was pump returned to autom</li></ol>			X			
20. Site personnel were offered instruction in pu	ons?		X			
21. Sensing lines for jockey and fire pump sepa			X			
22. Power transfer switch tested and ok?						X
	= -	W.INIODEOTICAL DEDOCT				
Fire Dump Flow Test Benert	FLO	W INSPECTION REPORT	100%		1500	% FLOW
Fire Pump Flow Test Report RPM During Test	_	<b>CHURN</b> 1795	100%		150	% FLUW
Voltage During Test		466 470 469	460 46			
Amperage During Test	_	20 22 22	60 6			
Timperage During Test		ZU ZZ ZZ	00 0	0 02		
RATED NET HEAD		65				
SUCTION PRESSURE		30	2	0	NOT ABI	E TO REA
DISCHARGE PRESSURE		98	7			LOW CIT
NET HEAD		68	5			SSURE
	_					
RATED GPM	1000	0				
OUTLET A PITOT		NA	50	)3		
OUTLET B PITOT		NA	50			
OUTLET C PITOT		NA				
OUTLET D PITOT		NA				
OUTLET E PITOT		NA				
TOTAL FLOW		0	10	06		
RATED % OF FLOW				1%		0%
		et system specifications?	PASS		FAIL	Χ



<u> </u>									
		DIE	SEL BATTEI	RY INSPECTIO	N				
TYPE		V	ISUAL	FUNCT	IONAL		COMME	NTS	
BATTERY CONDITION			N/A						
/OLTAGE									
BATTERY SIZE									
CHARGER VOLTAGE									
	EMERGEN	ICY COMM	UNICATION E	QUIPMENT:O	N/OFF MONIT	ORING			
TYPE	YES	NO	TIME	E COMMENTS					
ALARM SIGNAL	X								
ALARM RESTORAL	X								
TROUBLE SIGNAL	X								
ROUBLE RESTORAL	X								
SUPERVISORY SIGNAL	X								
SUPERVISORY RESTORAL	Х								
		NOTIFICA	TIONS THAT	TESTING IS CO	OMPLETE				
TYPE		YES		WHO	)			TIME	
BUILDING OCCUPANTS									
BUILDING MANAGEMENT		X	DAVID KUFFNER/ROCKY					3:30PM	
MONITORING ENTITY X CAMPUS SE			ECURITY				3:30PM		
ND MONITORING ENTITY									
AHJ (NOTIFIED) OF ANY IMPA	IRMENTS								
THIS TESTI	NG WAS P	ERFORME	D IN ACCORD	DANCE WITH A	PPLICABLE N	IFPA STA	NDARDS		
II.	NSPECT(	OR'S CC	MMENTS	AND REC	<b>DMMENDA</b>	TIONS			
SENSING LINES NOT SEPA									
PACKING COPPER COOLE	R LINES O	N CASINO	3 ARE PLUG	GED OFF					
'NOTE: NOT ABLE TO REACH 150 PRESSURE ON 23 PSI	% FLOW DU	E TO LOW S	SUPPLY PRESS	SURE AND PUMF	PROOM BEING	LOCATED	IN PENTHO	JSE,CITY	
SYSTEM RESTORED TO NORI	MAL OPER	ATION		DATE	7/25/1	2	TIME	3:30PM	
NAME OF INSPECTOR				JASON JOH	NSTON				
NSPECTOR'S SIGNATURE									
NAME OF OWNER/ REPRESEI	NTATIVE			DAVID KUFF	NER				
SIGNATURE OF PROPERTY O	WNER/REF	PRESENTA	TIVE						
s system code compliant v				odity?		es or No			
lave the noted deficiencies						es or No			
lave the deficiencies/violat		authorize	ed for repair	?	Ye	es or No	YES		
f no, please explain reason	1:								



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:	7/24/2012			764	46 S. Sprinkle Rd	ve. SW, Grand Rapids MI .d., Portage MI ne Dr, Saginaw MI			
ARRIVAL TIME:	7:00 AM			28221 Beck Rd., Suite A-9, Wixom MI 1050 Arbor Tech Dr. Suite F, Hebron KY					
WORK ORDER NUMBER:	244873 & 24	4874	]	108	50 Arbor Tech Dr.	Suite F, He	bron KY		
SERVICE ORGANIZAT	ION (CORPOR	ATE)	1	PROPERTY	NAME				
Vanguard Fire & Securit	у	•		Name:	WAYNE STATE	- EDC - 090	)		
2101 Martindale Ave. SW				Address:	5050 ANTHONY	′ WAYNE			
Grand Rapids, MI 49509				DETROIT, M	1				
Orana Napids, ivii 49908	9		J			NIT OFNITE	<u> </u>		
T. J. C. L. C. L. LOUINGTON			1	ENGINEERING DEVELOPME				2107	
Technician:	J. JOHNSTO	<u>N</u>	1	Owner Conta	act:	DAVID KUFFNER/ROCKY			
	1		1	Telephone:		(313) 577-0	311		
Telephone:	800-444-871	9		Approving Agency:			DETROIT FIRE DEPARTMENT		
			PRIOR TO	O ANY TESTI	NG				
NOTIFICATIONS	T	YES		NUMBERS	<u> </u>	WHO		TIME	
BUILDING OCCUPANTS									
BUILDING MANAGEMENT	Γ	Χ	DAVID KUFFNER			R 7:00AM			
MONITORING ENTITY		X			CAMPU SECURIT	ΓΥ		7:00AM	
2ND MONITORING ENTIT	Υ								
AHJ (NOTIFIED) OF IMPA	IRMENTS								
			OVOTEM		A1				
GENERAL INFORMATION	y (GI)		SYSTEM	INFORMATIO	N .	YES	NO	N/A	
Is the building occu	<u> </u>	?				X	NO	IV/A	
Is the building fully						X			
System(s) in service without modification since the last inspection?					X				
Spare heads and heads are heads and heads and heads are heads are heads and heads are heads and heads are heads and heads are heads and heads are heads are heads and heads are heads are heads and heads are heads are heads and heads are heads are heads and heads are heads are heads are heads are heads are heads and heads are heads						X			
<ol><li>Stock/Storage a mi</li></ol>	nimum of 18" b	elow sprin	kler heads &	& ceiling tiles i	in place?		Χ		
				pration, and showing normal pressures?					
7. Wet system areas a	are adequately	heated?	<u> </u>			X	_		



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		14,71
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
<u>4.</u>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
7.	valves lubilicateu?			
· DD	INIZI ED & DIDING INFORMATION (CI)	YES	NO	N/A
	INKLER & PIPING INFORMATION (SI)	X	NO	IN/A
	Are all sprinkler heads unobstructed?			
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		_
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
12.	Are Relief Valves on gridded system OK?			X
13.	Fire Department Connection (FDC) & Caps OK?	X		
14.	FDC equipped with ball drip? (if yes, in good working order?)			X
15.	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
				<u></u>
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?	^		X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
<u>' .                                     </u>	Was inspector rest performed and results Ort:	^		<u> </u>
npv	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?	IES	NU	
1.		+		X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
`	All dry valves have been trip tested & OK (See Table 3)			X
o				
6. 7.	Dry pipe valves are in heated area?  Was customer informed that they need to drain all drum drips on a monthly basis?			X



		N/A								
	ABLE 2		•	AIN DRAIN						
R	iser No.	Drain Size	Static Pres		Residual F	Pressure (PSI)				
	1.	2"	11	0						
	2. 3.									
	4.									
	<del>5</del> .									
	<u>.</u>									
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or P	artial Trip	Pressure	sure Starting Water Pressu		Pressure	Trip Time
1.	N/A									
2.										
3.	l ation of D	rum Drain:				]		Tested?	Yes	No
1.		Tulli Dialii	<u> </u>					resieu:	163	140
2.										
3.										
4.										
Т	ABLE 4		CONTROL	VALVE IN	FORMATION	<u> </u>	T		1	
										Tamper
	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	_
Qtv			YES	NO	YES	YES	N/A	N/A	YES	YES
Qty 2	MAIN/BFF	(OCCI)			\/E0	YES	N/A	N/A	YES	YES
	PUMP (OS	S&Y)	YES	NO	YES		14/71			YES
2	PUMP (OS BYPASS (	S&Y) (BUTTERFLY)	YES	NO	YES	YES	N/A	N/A	YES	
2 1 3 1	PUMP (OS BYPASS ( TEST HEA	S&Y) (BUTTERFLY) AD (BFLY)	YES YES	NO N/A	YES NO	YES YES	N/A N/A	N/A	YES	YES
2 1 3	PUMP (OS BYPASS (	S&Y) (BUTTERFLY) AD (BFLY)	YES	NO	YES	YES	N/A			YES YES
2 1 3 1	PUMP (OS BYPASS ( TEST HEA	S&Y) (BUTTERFLY) AD (BFLY)	YES YES	NO N/A	YES NO	YES YES	N/A N/A	N/A	YES	
2 1 3 1 9	PUMP (OS BYPASS ( TEST HEA SECTION	S&Y) (BUTTERFLY) AD (BFLY) AL (BFLY)	YES YES YES	NO N/A NO	YES NO YES	YES YES YES	N/A N/A	N/A	YES	
2 1 3 1 9	PUMP (OS BYPASS ( TEST HEA SECTION.	S&Y) (BUTTERFLY) AD (BFLY) AL (BFLY)	YES YES YES	NO N/A NO	YES NO YES	YES YES YES	N/A N/A N/A	N/A N/A	YES YES	YES
2 1 3 1 9 T	PUMP (OS BYPASS ( TEST HEA SECTION. ABLE 5	S&Y) (BUTTERFLY) AD (BFLY) AL (BFLY) B (POSE	YES YES YES	NO N/A NO	YES NO YES	YES YES YES	N/A N/A	N/A N/A	YES YES	
2 1 3 1 9 T No.	PUMP (OS BYPASS ( TEST HEA SECTION.	S&Y) (BUTTERFLY) AD (BFLY) AL (BFLY) B (POSE	YES YES YES	NO N/A NO	YES NO YES	YES YES YES	N/A N/A N/A	N/A N/A	YES YES	YES
2 1 3 1 9	PUMP (OS BYPASS ( TEST HEA SECTION. ABLE 5	S&Y) (BUTTERFLY) AD (BFLY) AL (BFLY) B (POSE	YES YES YES	NO N/A NO	YES NO YES	YES YES YES	N/A N/A N/A	N/A N/A	YES YES	YES



		ON / OFF PRE	MISES MONI	ORING	
TYPE	YES	NO	TIME	СОММ	ENTS
ALARM SIGNAL	X				
ALARM RESTORAL	X				
TROUBLE SIGNAL	X				
TROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	X				
SUPERVISORY RESTORAL	X				
	NOTIF	CATIONS TH	AT TESTING	S COMPLETE	
TYPE	YES			WHO	TIME
BUILDING OCCUPANTS					
BUILDING MANAGEMENT	X	DAVID KUF	FNER		3:30PM
MONITORING ENTITY	X	CAMPUS S	ECURITY		3:30PM
2ND MONITORING ENTITY					
AHJ (NOTIFIED) OF IMPAIRMENTS					
THIS TESTING WA	S PERFOR	MED IN ACCO	RDANCE WI	TH APPLICABLE NFPA STAND	DARDS
INSPE	CTOR'S	COMMEN	S AND R	ECOMMENDATIONS	

PAINTED SPRINKLERS: (2) UPRIGHTS IN RM 2404.2, (2) UPRIGHTS IN RM 0320.1 (9) UPRIGHTS IN HIGH AREA OR STRUCTUAL LAB RM 1305, LAB RM 3310, JANITORS CLOSET RM 3350

NOT ABLE TO ACCESS GAUGE AND FLOW SWITCH IN SSIM 3RD FLOOR CLEAN ROOM

CEILING TILES NEAR WINDOW MISSNG IN ROOM 2150

MANY CEILING TILES MISSING IN RM 3355, THE ADVANCED INTELLIGENT COMPUTING ROOM STORAGE WITHIN 18" OF SPRINKLER HEAD IN WORK ROOM 1169 AND OFFICE 1163

SYSTEM RESTORED TO NORMAL OPERATION	DATE	7/24/	12	TIME	3:30PM
NAME OF INSPECTOR	JASON JOHN	ISTON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored co	mmodity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected	?	Yes or No	YES		
Have the deficiencies/violations been authorized for re	pair?	Yes or No	YES		
If no please explain reason:	-		-		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

DATE:	7/25/12				7646 S.	Sprinkle Rd	., Portage M	1I .
ARRIVAL TIME:	7:00AM				1633 S.	Champagne	Dr, Sagina	w MI
WORK ORDER NUMBER:	244873			] <u>  x</u>			ite A-9, Wix . Suite F, He	
SERVICE ORGANIZATION	(CORPOR	\TF\			PROPERT	TV NAME		
SERVICE ORGANIZATION	CORPORA	<b>41</b> ⊑)		-	FROFER	TINAME		
Vanguard Fire & Security					Name:	WAYNE ST	ATE - EDC -	090
2101 Martindale Ave. SW					Address:	5050 ANTH	ONY WAYN	E
Grand Rapids, MI 49509					DETROIT	, MI 48202		
					ENGINEE	RING DEVE	LOPMENT	CENTER
Technician:	JASON JO	OHNSTON			Owner Co	ntact:	DAVE KUF	FNER
					Telephone	<b>)</b> :	(313) 577-	0311
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT
<u> </u>							•	
			PRIOR TO A	NY TESTING				
NOTIFICATIONS		YES	PHONE	NUMBER		WHO		TIME
BUILDING OCCUPANTS			313-68	34-4398				
BUILDING MANAGEMENT		X	(313) 5	77-0311	DAVE / RO	CKY		7:00AM
MONITORING ENTITY		X			CAMPUS S	SECURITY		
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPA	AIRMENTS							
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUN	IP DATA				
MANUFACTURER	/	A-C FIRE PL	JMP	RATE GPM			<b>75</b> 0	
MODEL		SPLIT CAS		RATE PSI			95	
SERIAL NUMBER	08-05	0894-01-01	OKFO91	PSI @ 150%	6		71	
TYPE		393H-810	00	MAX PRES	SURE		111	
RATED RPM		3550		AUTO STAF	RT		128	
IMPELLER SIZE		8.37		SATISFIED			155	
HORSE POWER		60		AUTO STO	P		NO	
WATER SUPPLY		CITY		RUN TIMER	₹		N/A	
			FIRE PUM	P DRIVER				
MANUFACTURER		WEG		FRAME	326 TS	RATED RP	M	3555
MODEL		CC029A		VOLTAGE	460	HZ		60
SERIAL NUMBER	19	SET07 CE		AMP	141	HORSE PC		60
TYPE		ELECTRI	С	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP	CONTROL			
MANUFACTURER	METRON	HORSE POWER RATING	3		60
MODEL	MP700-60-480C-MTS	VOLTAGE		480	
SERIAL NUMBER	NA-08N36816-11	AMP RMS	10	00,000	
	JOCKEY PU	JMP DATA			
MANUFACTURER	GRUNDFOS	INLET/OUTLET SIZE			1¼"
MODEL	CR-1	START PRESSURE (ON	)		135
SERIAL NUMBER	HR-0N36816-21	STOP PRESSURE (OFF)			155
HORSE POWER	1	VOLTAGE			480
	REMOTE ALARI	MS PROVIDED			
DISPLAYED AT	PANEL	PHASE REVERSAL		,	YES
PUMP RUNNING	YES	PUMP ROOM LOW TEM	P		NO
AC LOSS OF POWER	YES	LOW DIESEL FUEL			NO
	FIRE PUMP TE	ST REPORT			
Inspection of Pump			YES	NO	N/A
System found in service?			X		
Fire pump controller in automatic service	?		X		
Jockey pump controller in service on auto			Χ		
4. Is alarm panel clear?			Χ		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			Χ		
7. Is pump room clean, dry and orderly?			Χ		
8. Ventilating louvers free to operate?					Х
9. Suction, discharge and bypass valves op-	en?		Χ		
10. Piping, valves and fittings free from leak			Χ		
11. Main relief valve functions ok?			Χ		
Electronic Pump Inspection			YES	NO	N/A
Isolation switch and circuit breaker exerci	sed?		Χ		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
2. Controller selector switch in auto position	?				X
3. Battery voltage and reading normal?					Χ
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph paper	r present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



		FIRE PUMP AND PIPING		YES	NO	N/A
1. Valves in proper position and in good condi	ition?			X		
2. Are all valves listed for application?				X		
3. Valves locked, sealed or supervised?				X		
4. Are all valves tagged and identified?				X		
5. Jockey pump operational?				X		
6. Packing glands appear properly adjusted?				X		
7. Bi-monthly test records available?					X	
8. Were automatic starts performed?				X		
9. Were manual starts performed?				X		
10. Did automatic and manual starts and stop	os function p	properly?		X		
11. Remote alarm conditions demonstrated?				X		
12. Are drains operational and ok?				X		
13. Does fire pump shaft and coupling appear	to be prope	erly aligned?		X		
14. Does jockey pump appear to be aligned o	k?			X		
15. Does fire pump have casing relief valve ar	nd does it fu	nction properly?		Χ		
16. Is test header in good condition and draine	ed?				X	
17. Supplying tank or reservoir appears to be	in satisfacto	ry condition?				X
18. Tank water level ok?						X
19. At completion, was pump returned to auto			1	X		
20. Site personnel were offered instruction in	pump opera	tions?				Х
21. Sensing lines for jockey and fire pump sep	oarate?			X		
22. Power transfer switch tested and ok?				X		
	FLO	OW INSPECTION REPOR	Ţ			
Fire Pump Flow Test Report		CHURN		FLOW		% FLOW
RPM During Test	_	3585		565		3560
Voltage During Test	_	484 484 485		80 481	478	477 478
Amperage During Test		25 24 25	56 5	55 57	60	60 60
RATED NET HEAD		95				
SUCTION PRESSURE		37		36		33
DISCHARGE PRESSURE		159		40		101
NET HEAD		122	1	04		68
RATED GPM	<b>750</b>	0				
OUTLET A PITOT		NA	7	50		1125
OUTLET B PITOT		NA				
OUTLET C PITOT		NA				
OUTLET D PITOT		NA				
OUTLET E PITOT		NA			_	
OUTLET E PITOT						
TOTAL FLOW	-	0	7	50	1	1125

Does Fire Pump meet system specifications?

PASS

FAIL

Χ



TYPE		VISUAL		FUNCTIO	NAL	COMMENTS		
BATTERY CONDITION			N/A					
/OLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
	<b>EMERGEN</b>	CY COMM	UNICATION E	QUIPMENT:ON/	OFF MONIT	TORING		
TYPE	YES	NO	TIME			COMMEN	TS	
ALARM SIGNAL	X							
LARM RESTORAL	X							
ROUBLE SIGNAL	X							
ROUBLE RESTORAL	X							
SUPERVISORY SIGNAL	X							
SUPERVISORY RESTORAL	X							
		NOTIFICA	TIONS THAT T	ESTING IS COM	/IPLETE			
TYPE		YES		WHO				TIME
BUILDING OCCUPANTS	·				·			
BUILDING MANAGEMENT		X	DAVID KUFFI	NER				3:30PM
MONITORING ENTITY		X	CAMPUS SEC	CURITY				
NID MONITODING ENTITY								
IND MONITORING ENTITY								
	IRMENTS							
	IRMENTS							
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CO	MMENTS A	ANCE WITH AP			NDARDS	
AHJ (NOTIFIED) OF ANY IMPA THIS TESTI	NG WAS PE	OR'S CO	MMENTS A				NDARDS	
	NG WAS PENSPECTO	OR'S CO	MMENTS A			ATIONS	NDARDS	3:30PM
THIS TESTI  IN  PUMP OPERATED PROPER	NG WAS PENSPECTO	OR'S CO	MMENTS A	AND RECO	<b>MMEND</b> 7/25/-	ATIONS		3:30PM
THIS TESTI  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORI	NG WAS PENSPECTO	OR'S CO	MMENTS A	DATE	<b>MMEND</b> 7/25/-	ATIONS		3:30PM
THIS TESTI  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR	NG WAS PENSPECTORLY AT TIM	OR'S CO	MMENTS A	DATE	7/25/-	ATIONS		3:30PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPER  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PENSPECTORLY AT TIME	OR'S CO	OMMENTS A	DATE  JASON JOHNS	7/25/-	ATIONS		3:30PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPER  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENTED  SIGNATURE OF PROPERTY OF SIGNATURE SIGNATURE OF SIGNATURE OF SIGNATURE	MAL OPERA	ATION  RESENTA	TIVE	DATE  JASON JOHNS  DAVID KUFFN	7/25/- STON	12 Yes or No	TIME	3:30PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPER  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENT  SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATURE OF SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATU	MAL OPERA WHAT TIVE WHEREP	ATION  PRESENTA  ancy & st s been co	TIVE ored commo	DATE  JASON JOHNS  DAVID KUFFN	7/25/2	res or No res or No	TIME YES N/A	3:30PM
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPER  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENTED  SIGNATURE OF PROPERTY OF SIGNATURE  SIGNATURE OF PROPERTY OF SIGNATURE  SIGNATURE OF PROPERTY OF SIGNATURE  SIGNATURE OF PROPERTY OF SIGNATURE	MAL OPERA WHAT TIVE WHEREP	ATION  PRESENTA  ancy & st s been co	TIVE ored commo	DATE  JASON JOHNS  DAVID KUFFN	7/25/2	12 Yes or No	TIME YES N/A	3:30PM

DIESEL BATTERY INSPECTION



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:	10/15/2012		]	76	01 Martindale Ave 46 S. Sprinkle Rd	., Portage M	11	I
ARRIVAL TIME:	6:30AM			28	33 S. Champagne 221 Beck Rd., Su	ite A-9, Wixe	om MI	
WORK ORDER NUMBER:	244860		-	10	50 Arbor Tech Dr.	. Suite F, He	bron KY	
SERVICE ORGANIZATI	ION (CORPORA	ATE)	1	PROPERTY	NAME			
Vanguard Fire & Security	,			Name:	WAYNE STATE	- ADAMAN	Y LIBRARY	- 096
2101 Martindale Ave. SV	•			Address:	5155 GULLEN N			
					•	MALL		
Grand Rapids, MI 49509	)		]	DETROIT, M	1I 48202			
			_					
Technician:	JASON JOHN	ISTON		Owner Conta	act:	DAVID KUF	FNER	
				Telephone:		(313) 268-2	2371	
Telephone:	800-444-8719			Approving A	gency:	DETROIT F	FIRE DEPA	RTMENT
NOTIFICATIONS		VEO		O ANY TEST	ING	WIII 0		TIME
NOTIFICATIONS BUILDING OCCUPANTS		YES	PHONE	NUMBERS	+	WHO		TIME
BUILDING MANAGEMENT	г	X	(313)	268-2371	DAVID KUFFNER			6:30AM
MONITORING ENTITY		X	(0.10)		CAMPUS SECUR			6:30AM
2ND MONITORING ENTIT	Υ				DON - BLDG COO	ORD.		6:30AM
AHJ (NOTIFIED) OF IMPA	IRMENTS							
GENERAL INFORMATION	VI (CI)		SYSTEM	INFORMATIC	<u> </u>	YES	NO	N/A
Is the building occu	· <i>'</i>	1				X	NO	IN/A
Is the building fully:						X		
System(s) in service		cation sin	ce the last i	nspection?		X		
4. Spare heads and he	ead box with wr	ench secu	rely mount	ed?		Χ		1
5. Stock/Storage a min						X		
6. Are all gauges in go	·		oration, and	showing norr	nal pressures?	X		
<ol><li>7. Wet system areas a</li></ol>	are adequately h	neated?				X		



'AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
7.	valves lubilicateu:			^
SDD	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	123	X	IVA
2.	Are sprinkler heads thoustructed:  Are sprinkler heads free of corrosion, tape, paint &/or physical damage?		X	
3.	Are all sprinkler heads less than 50 years old?	X		
_		X		
4.	Are sprinkler heads of proper temperature rating?			
5.	Are riser(s) in good condition & unobstructed?	X		V
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?	X		
2.	Pressure & priming water OK?	X		
3.	Air supply in good working order?	X		
4.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?	+		X
6.	All dry valves have been trip tested & OK (See Table 3)	+	X	
7.	Dry pipe valves are in heated area?	X	^	
	Was customer informed that they need to drain all drum drips on a monthly basis?	^		X
8	vvas coscinectutornen macinev neen in orain all outil onos on a monthy basis?			



T	ABLE 1		AN <sup>-</sup>	TI-FREEZE	LOOP					
	No.	Location o	f Loop				No. of Heads	Type of	f Backflow	Temp
		N/A								
	ABLE 2			AIN DRAIN 1						
R	iser No.	Drain Size	Static Pres	. ,	Residual F	Pressure (PSI)				
	1.	2	12	5						
	2.									
	3.									
	4.									
_	45150	T		\ <u> </u>						
<u> </u>	ABLE 3 Valve		DR T	Y SYSTEM	IESI	Starting Air			Trip Air	
No.	Size	Location	f Dry Valve	Full or D	artial Trip	Starting Air Pressure	Starting Water	Praceura	Pressure	Trip Time
	2	IN BSMT BC			TIAL	42	Starting Water	i icasuic	i ressure	THE THIRE
<u>.                                    </u>		אם דואוסם איו	OKKOOW	I AN	TIAL	74	113		+	
<del></del> 3.										
-	ation of D	rum Drains	I			1		Tested?	Yes	No
		Tani Brani						Toolog.	1.00	110
								_		
								J		
2.	ABLE 4		CONTROL	VALVE INF	FORMATION	l				
2.	ABLE 4		CONTROL	_ VALVE INF	ORMATION	I				
<u>Т</u>			CONTROL					<u></u>		Tamper
T Qty	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operation
Zty	Type o	&Y)	Accessible YES	Signs YES	Open YES	Secured YES	N/A	N/A	YES	Operation YES
2. T	Type of MAIN (OS BACKFLO	&Y) W (OS&Y)	Accessible YES YES	Signs YES YES	Open YES YES	Secured YES YES	N/A N/A	N/A N/A	YES YES	Operation YES YES
2ty 1 2 2	Type of MAIN (OS BACKFLO PUMP (OS	&Y) W (OS&Y) S&Y)	Accessible YES YES YES	Signs YES YES YES	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	N/A N/A N/A	YES YES YES	Operation YES YES YES
2ty 1 2 2 2	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (	&Y) W (OS&Y) S&Y) BFLY)	Accessible YES YES YES YES YES	Signs YES YES YES YES YES	Open YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	YES YES YES YES	Operation YES YES YES YES
2ty 1 2 2 2 6	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR	&Y) W (OS&Y) S&Y) BFLY) R (BBALL)	Accessible YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	YES YES YES YES YES YES	Operation YES YES YES YES YES YES
T 1 2 2 2 6 9	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR SECTIONA	&Y) WW (OS&Y) S&Y) BFLY) R (BBALL) L (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES	Operation YES YES YES YES YES YES YES YES
T 2 2 2 6 9 1+1	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR SECTIONA DRY/PRE	&Y) WW (OS&Y) S&Y) BFLY) R (BBALL) L (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES YES	Operation YES YES YES YES YES YES YES YES YES
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2. T Qty 1 2 2 6 9 1+1 2	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR SECTIONA DRY / PREJOCKEY	&Y) W (OS&Y) S&Y) BFLY) R (BBALL) L (OS&Y) ACTION	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES YES	Operation YES YES YES YES YES YES YES YES YES
2. T  Qty  1 2 2 6 9 1+1 2 T	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR SECTIONA DRY / PREJOCKEY	&Y) WW (OS&Y) S&Y) BFLY) R (BBALL) L (OS&Y) ACTION	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A YES	N/A N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES YES N/A	YES YES YES YES YES YES YES YES YES YES
T	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR SECTIONA DRY / PREJOCKEY	&Y) W (OS&Y) S&Y) BFLY) R (BBALL) L (OS&Y) ACTION	Accessible YES YES YES YES YES YES YES YES YES ACKFLOW/CI	Signs YES YES YES YES YES YES YES YES NO HECK VALV	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES N/A	Operation YES YES YES YES YES YES YES YES ATION
T 2 2 2 6 9 1+1 2 T lo.	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR SECTIONA DRY / PREJOCKEY  ABLE 5 PUR MAIN	&Y) W (OS&Y) S&Y) BFLY) R (BBALL) L (OS&Y) ACTION B B POSE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES NO HECK VALV	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A N/A YES	N/A N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES AVA  LOCA BSMT MECH	YES YES YES YES YES YES YES YES ATION I RM 0530
T 2 2 6 9 1+1 2 T lo.	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR SECTIONA DRY / PREDOCKEY  ABLE 5 PUR MAIN BACKFLO	&Y) W (OS&Y) S&Y) BFLY) R (BBALL) L (OS&Y) ACTION B B POSE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES NO HECK VALV MODEL EDC III 2000 SE	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A N/A SYES  LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES N/A  LOCA BSMT MECH	YES YES YES YES YES YES YES YES YES YES
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T 1 2 2 2 6 9 1+1 2 T Ilo	Type of MAIN (OS BACKFLO PUMP (OS BYPASS (ELEVATOR SECTIONA DRY / PREJOCKEY  ABLE 5 PUR MAIN BACKFLO PUMP BYPASS	&Y) W (OS&Y) S&Y) BFLY) R (BBALL) L (OS&Y) ACTION B B POSE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES NO HECK VALV MODEL EDC III 2000 SE G-1 G-1	Open YES YES YES YES YES YES YES YES YES YES	Secured           YES           1997           1996           1996	N/A N/A N/A N/A N/A N/A N/A N/A YES  LAST INSP  2011 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES N/A  LOCA BSMT MECH BSMT MECH BSMT MECH BSMT MECH	YES YES YES YES YES YES YES YES YES N/A  ATION I RM 0530 I RM 0530 I RM 0530 I RM 0530
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ON / OFF DREMISES MONITORING								
ON / OFF PREMISES MONITORING								
TYPE	YES	NO	TIME	COMMENTS				
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL	X							
TROUBLE RESTORAL	X							
SUPERVISORY SIGNAL	X							
SUPERVISORY RESTORAL	X							

NOTIFICATIONS THAT TESTING IS COMPLETE								
TYPE YES WHO TIME								
BUILDING OCCUPANTS								
BUILDING MANAGEMENT	X	DAVID KUFFNER	3:30 PM					
MONITORING ENTITY	X	CAMPUS SECURITY	3:30 PM					
2ND MONITORING ENTITY		DON	3:30PM					
AHJ (NOTIFIED) OF IMPAIRMENTS								

#### THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS

#### INSPECTOR'S COMMENTS AND RECOMMENDATIONS

NOTE: GAMEWELL ALARM PANEL BY EMPLOYEE ENTRY AND SIMPLEX PANEL IN ACADEMIC SERVICES LOBBY, RISER ARE IN S AND E STAIRS

#### (1) HEAD CAPPED OFF IN HALLWAY BY RM 1620

AREAS OF NO COVERAGE: 3RD FLR INSIDE ENGINEERS OFFICE INSIDE RM 3520, 3RD FLR IN PANTRY OF DEANS OFFICE (4' X 4'), BSMT IN BATHROOM OF MAIN BOOK ROOM

HEADS IN NEED OF RELOCATION: (1) ELECTRICAL RM 2440, (1) STORAGE RM 2501, (1) RM 3140, (1) COMMUNICATION RM 3136, (1) ELECTRICAL RM 3240, (1) COMMUNICATION RM 3430, (1) ELECTRICAL RM 3440, (1) COMMUNICATION RM 1230, (1) ELECTRICAL RM 1240

#### HEADS OBSTRUCTED BY CUBICLE WALLS 30' SECTION BY ROOMS 2106 THRU 2109

MISSING WHITE SEMI-RECESSED 3/4" VIKING MOD E: (1) HALL BBY RM 1001, (1) COMPUTER ROOM BY ACADEMIC SUCCESS SERVICES 1ST FLR, (1) INSIDE STORAGE RM 2436, (1) STUDY RM 2548, (1) OFFICE RM 3109, (1) OFFICE RM 3107, (1) BSMT ELEVATOR EQUIPMENT ROOM 0535

DRY RISER DEFECIENCES: NO TRUE AIR MAINTENANCE DEVICE BUT WORKS GOOD

#### AND TIED INTO ALARM PANEL DATA LOOP

UPON ARRIVAL FOUND JOCKEY PUMP RUNNING AND MAIN DRAIN LEAKING BY SLIGHTLY KEEPING JOCKEY PUMP RUNNING, ALSO JOCKEY
PUMP NOT BUILDING PRESSURE (CORRECTED AT INSPECTION) 3RD FLR EAST BAD HANDWHEEL ON BFLY VALVE (JUST REPLACED).
PRESSURE SWITCH ON DRY SYSTEM IS NOT FUNCTIONING CORRECTLY, TRIED TO INCREASE TURN ON PRESSURE WAS UNABLE TO. REPLACE



ITV DRAIN MANIFOLD FLOODS BASEMENT BECAUSE 1½" HOSE VALVES ARE CRAKED INTO OPEN CLOSED UPON OUR TEST. THIS ALSO MAKES SYSTEM HARD TO DRAIN, NO PLACE CLOSE TO RUN HOSES, SHOULD TRY TO PIPE OUTSIDE

SYSTEM RESTORED TO NORMAL OPERATION	DATE	10/15	/12	TIME	4:30 PM
NAME OF INSPECTOR	JASON JOHN	STON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFN	IER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored co	mmodity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected	?	Yes or No	NO		
Have the deficiencies/violations been authorized for re	pair?	Yes or No	YES		
If no. please explain reason:					



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	Χ

2101 Martindale Ave. SW, Grand Rapids MI

DATE:	10/15/12				7646 S.	Sprinkle Ro	d., Portage M	11 <sup>'</sup>
ARRIVAL TIME:	7:00am			X			e Dr, Sagina	
WORK ORDER NUMBER:	244860						uite A-9, Wix r. Suite F, He	
				<del>-</del>			,	
SERVICE ORGANIZATIO	N (CORPORA	ATE)		_	PROPER	TY NAME		
Vanguard Fire & Security					Name:	ADAMAN	Y LIBRARY	- 096
2101 Martindale Ave. SW					Address:	5155 GUL	LEN MALL	
Grand Rapids, MI 49509					DETROIT	, MI 48202		
				<u> </u>				
Technician:	JASON J	OHNSTON			Owner Co	ntact:	DAVID KU	FFNER
					Telephone	<b>)</b> :	(313) 268-2	2371
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT.
				NY TESTING	_			
NOTIFICATIONS		YES	PHONE	NUMBER		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	(313) 2	268-2371	DAVID KUFI			7:00AM
MONITORING ENTITY		X			CAMPUS S	SECURITY		7:00AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IM	PAIRMENTS							
		FIDE DUM	D 0 1001/5\	COLUMB INCO	NA A TION			
		FIRE PUM		<u>' PUMP INFOF</u> MP DATA	RIVIATION			
MANUFACTURER		ITT	FIRE PU	RATE GPM			1500	
MODEL	CDI	_ITCASE 8	v9v17E	RATE PSI			65	
SERIAL NUMBER		96-211338-0		PSI @ 150%	/.		43	
TYPE	-	8100	71-01	MAX PRES			78	
RATED RPM		1780		AUTO STAF			95	
IMPELLER SIZE		13.2		SATISFIED			120	
HORSE POWER		75		AUTO STO			YES	
WATER SUPPLY		CITY		RUN TIMER			7 MIN	
			FIRE PUM	IP DRIVER				
MANUFACTURER		U.S MOTO		FRAME	365TD	RATED RE	PM	1780
MODEL	H0	12-Z082184	R178H	VOLTAGE	460	HZ		60
SERIAL NUMBER				AMP	92.7	HORSE PO		75
TYPE		ELECTRI	С	PHASE	3	SERVICE	FACTOR	1.15



	FIRE PUMP	CONTROL			
MANUFACTURER	JOSKYN-CLARK	HORSE POWER RATING	3		75
MODEL	C8C194-4	VOLTAGE		480	
SERIAL NUMBER 7329192-01 AMP RMS					00,000
	JOCKEY PI	JMP DATA			
MANUFACTURER	PROCON	INLET/OUTLET SIZE		3/8	
MODEL	VANE	START PRESSURE (ON)	)		110
SERIAL NUMBER	316P497	STOP PRESSURE (OFF)			124
HORSE POWER	1/3	VOLTAGE	,		115
	REMOTE ALAR	MS PROVIDED			
DISPLAYED AT	GAMEWELL PANEL	PHASE REVERSAL			NO
PUMP RUNNING	YES	PUMP ROOM LOW TEM	D		N/A
AC LOSS OF POWER	NO	LOW DIESEL FUEL	<u> </u>		N/A
AC LOSS OF FOWER	INO	LOW DIESEL FOEL			IN/A
	FIRE PUMP TI	EST DEDORT			
Increation of Dump	FIRE PUMP II	EST REPORT	YES	NO	N/A
Inspection of Pump				NO	N/A
1. System found in service?	`		X		
2. Fire pump controller in automatic service			X	V	
3. Jockey pump controller in service on auto	)?			X	
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves op			X		
10. Piping, valves and fittings free from leak	s?			X	
11. Main relief valve functions ok?				X	
Electronic Pump Inspection			YES	NO	N/A
<ol> <li>Isolation switch and circuit breaker exerci</li> </ol>	sed?		X		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
<ol><li>Controller selector switch in auto position</li></ol>	?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph pape	r present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



	ON OF FIRE PUMP AND PIPING		YES	NO	N/A
1. Valves in proper position and in good condition?	)		X	NO	11//
2. Are all valves listed for application?			X		
3. Valves locked, sealed or supervised?			X		
4. Are all valves tagged and identified?			X		
5. Jockey pump operational?			Χ		
6. Packing glands appear properly adjusted?			Χ		
7. Bi-monthly test records available?					X
B. Were automatic starts performed?			X		
9. Were manual starts performed?			X		
10. Did automatic and manual starts and stops fu	nction properly?		X		
11. Remote alarm conditions demonstrated?			X		
12. Are drains operational and ok?				X	
13. Does fire pump shaft and coupling appear to be	e properly aligned?		X		
14. Does jockey pump appear to be aligned ok?			Χ		
15. Does fire pump have casing relief valve and do	es it function properly?			X	
16. Is test header in good condition and drained?			X		
<ol><li>Supplying tank or reservoir appears to be in sa</li></ol>	tisfactory condition?				X
18. Tank water level ok?					X
19. At completion, was pump returned to automatic			Χ		
20. Site personnel were offered instruction in pump	•		X		
21. Sensing lines for jockey and fire pump separate	e?		X		
22. Power transfer switch tested and ok?					X
	FLOW INCREATION REPOR	<del>-</del>			
Fire Pump Flow Test Report	FLOW INSPECTION REPOR		FLOW	1500/	FLOW
RPM During Test	1780		72	150%	FLOW
Voltage During Test	470 472 470		75 476		
Amperage During Test	25 20 25		2 45		
The trade burning rest	23 20 20	72	2 40		
RATED NET HEAD	65	1			
SUCTION PRESSURE	43	1	3		
DISCHARGE PRESSURE	118		3		
NET HEAD	75		0		
	1				
RATED GPM 15	600				
OUTLET A PITOT	NA	7	50		
OUTLET B PITOT	NA		50		
OUTLET C PITOT	NA				
OUTLET D PITOT	NA				
OUTLET E PITOT	NA				
TOTAL FLOW	0				
RATED % OF FLOW		10	0%	(	0%
	ump meet system specifications?	PASS		FAIL	Х



				RY INSPECTION				
TYPE		V	ISUAL	FUNCTION	DNAL		COMMEN	NTS
BATTERY CONDITION			N/A					
VOLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
			1	QUIPMENT:ON	OFF MON			
TYPE	YES	NO	TIME	+		COMMEN	TS	
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL				N/A				
TROUBLE RESTORAL				N/A				
SUPERVISORY SIGNAL				N/A				
SUPERVISORY RESTORAL			<u> </u>	N/A				
	1		TIONS THAT	TESTING IS CO	MPLETE		Ī	
TYPE		YES		WHO				TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	DAVID KUFF					3:00PM
MONITORING ENTITY		X	CAMPUS SE	CURITY				3:00PM
2ND MONITORING ENTITY								
2ND MONITORING ENTITY AHJ (NOTIFIED) OF ANY IMPA	IRMENTS							
AHJ (NOTIFIED) OF ANY IMPA				ANOE WITH A		E NEDA OTA	ND 4 DD 0	
AHJ (NOTIFIED) OF ANY IMPA	ING WAS PE			ANCE WITH AF			NDARDS	
AHJ (NOTIFIED) OF ANY IMPA	ING WAS PE			ANCE WITH AF			NDARDS	
AHJ (NOTIFIED) OF ANY IMPA	ING WAS PE	OR'S CO	MMENTS	AND RECO	MMEN	DATIONS		GGED PUMP DRAIN
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN	ING WAS PENSPECTO	OR'S CO	MMENTS ER - CASING	AND RECO	MMEN	DATIONS		GGED PUMP DRAIN
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN  PUMP PASSED AT 100%, NOT AT	ING WAS PENSPECTO	OR'S CO	MMENTS ER - CASING	AND RECO	MMEN	DATIONS		GGED PUMP DRAIN
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN	ING WAS PENSPECTO	OR'S CO	MMENTS ER - CASING	AND RECO	MMEN	DATIONS		GGED PUMP DRAIN
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN  PUMP PASSED AT 100%, NOT AT	ING WAS PENSPECTO	OR'S CO	MMENTS ER - CASING	AND RECO	MMEN	DATIONS		GGED PUMP DRAIN
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN  PUMP PASSED AT 100%, NOT AT	ING WAS PENSPECTO	OR'S CO	MMENTS ER - CASING	AND RECO	MMEN	DATIONS		GGED PUMP DRAIN
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN  PUMP PASSED AT 100%, NOT AT	ING WAS PENSPECTO	OR'S CO	MMENTS ER - CASING	AND RECO	MMEN	DATIONS		GGED PUMP DRAIN
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST!  II  NO POWER ON LITE BULB BURN!  PUMP PASSED AT 100%, NOT AT  MISSING (5) DFD CAP ON TEST H	ING WAS PE NSPECTO ED OUT ON C 150% DUE TO	OR'S CC	MMENTS ER - CASING	AND RECO	MMENI BAD NEED	<b>DATIONS</b> S REPLACED	- UNCLOG	
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN  PUMP PASSED AT 100%, NOT AT	ING WAS PE NSPECTO ED OUT ON C 150% DUE TO	OR'S CC	MMENTS ER - CASING	AND RECO	MMENI BAD NEED	DATIONS		GGED PUMP DRAIN
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST!  II  NO POWER ON LITE BULB BURN!  PUMP PASSED AT 100%, NOT AT  MISSING (5) DFD CAP ON TEST H	ING WAS PE NSPECTO ED OUT ON C 150% DUE TO	OR'S CC	MMENTS ER - CASING	AND RECO	MMENI BAD NEED	<b>DATIONS</b> S REPLACED	- UNCLOG	
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN  PUMP PASSED AT 100%, NOT AT  MISSING (5) DFD CAP ON TEST H  SYSTEM RESTORED TO NOR	ING WAS PE NSPECTO ED OUT ON C 150% DUE TO	OR'S CC	MMENTS ER - CASING	AND RECO	MMENI BAD NEED	<b>DATIONS</b> S REPLACED	- UNCLOG	
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN  PUMP PASSED AT 100%, NOT AT  MISSING (5) DFD CAP ON TEST H  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR	ING WAS PE NSPECTO ED OUT ON C 150% DUE TO	OR'S CC	MMENTS ER - CASING	AND RECO	MMENI BAD NEED	<b>DATIONS</b> S REPLACED	- UNCLOG	
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST  II  NO POWER ON LITE BULB BURN  PUMP PASSED AT 100%, NOT AT  MISSING (5) DFD CAP ON TEST H  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR	ING WAS PENSPECTO ED OUT ON CO 150% DUE TO HEADER	OR'S CC	MMENTS ER - CASING	AND RECO	MMENI BAD NEED	<b>DATIONS</b> S REPLACED	- UNCLOG	
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST:  II  NO POWER ON LITE BULB BURN! PUMP PASSED AT 100%, NOT AT  MISSING (5) DFD CAP ON TEST H  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE	ING WAS PE NSPECTO ED OUT ON C 150% DUE TO HEADER  MAL OPERA	OR'S CC	OMMENTS  FR - CASING  CTION AND HAD	AND RECO GRELIEF VALVE TO STOP TEST DATE JASON JOHN	MMENI BAD NEED	<b>DATIONS</b> S REPLACED	- UNCLOG	
AHJ (NOTIFIED) OF ANY IMPA  THIS TEST:  II  NO POWER ON LITE BULB BURN! PUMP PASSED AT 100%, NOT AT  MISSING (5) DFD CAP ON TEST H  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF	ING WAS PE NSPECTO ED OUT ON CO 150% DUE TO HEADER  MAL OPERA  NTATIVE DWNER/REP	OR'S CC CONTROLLE O LOW SUC ATION	DMMENTS FR - CASING CTION AND HAD TIVE	DATE  DAVID KUFFI	MMENI BAD NEED	DATIONS S REPLACED	- UNCLOG	
THIS TEST  II  NO POWER ON LITE BULB BURN PUMP PASSED AT 100%, NOT AT MISSING (5) DFD CAP ON TEST H  SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE SIGNATURE OF PROPERTY OF ITS SYSTEM CODE COMPILIANT OF ITS SYSTEM CODE CODE CODE CODE CODE CODE CODE CODE	ING WAS PE NSPECTO ED OUT ON CO 150% DUE TO IEADER  MAL OPERA  NTATIVE  DWNER/REP	ATION  RESENTA	TIVE	DATE  DAVID KUFFI	MMENI BAD NEED	DATIONS S REPLACED  15/12  Yes or No	- UNCLOS	
THIS TEST:  II  NO POWER ON LITE BULB BURN! PUMP PASSED AT 100%, NOT AT MISSING (5) DFD CAP ON TEST H  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF	ING WAS PE NSPECTO ED OUT ON CO 150% DUE TO HEADER  MAL OPERA  NTATIVE DWNER/REP with occupa	ATION  RESENTA  ancy & st s been co	TIVE  ored commo	DATE  JASON JOHN  DAVID KUFFI	MMENI BAD NEED	DATIONS S REPLACED	- UNCLOS  TIME  YES  NO	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

DATE:	10/15/2012				46 S. Sprinkle Rd 33 S. Champagne			
ARRIVAL TIME:	7:00am			28	221 Beck Rd., Su	iite A-9, Wixo	om MI	
WORK ORDER NUMBER:	244860		]	10	50 Arbor Tech Dr	. Suite F, He	bron KY	
SERVICE ORGANIZATION	ON (CORPO	RATE)		PROPERTY	NAME			
Vanguard Fire & Security	,			Name:	ADAMANY LIBI	RARY - PRE	ACTION SY	/STEM
2101 Martindale Ave. SW	V			Address:	5155 GULLEN I	MALL		
Grand Rapids, MI 49509				DETROIT, M	II 48202			
•			•					
Technician:	JASON JOH	INSTON		Owner Conta	act:	STEVE/DO	N/DAVID	
				Telephone:		313-684-08	69	
Telephone:	800-444-87	19		Approving A	gency:			
			DDIOD T	O ANY TECT	NC			
NOTIFICATIONS		YES		O ANY TESTI NUMBERS	NG 	WHO		TIME
BUILDING OCCUPANTS		IES		684-0869	WSU SECURITY	WHO		7:00am
BUILDING MANAGEMENT			010	004 0000	WOO OLOOKITT			7.004111
MONITORING ENTITY								
2ND MONITORING ENTITY	Y							
AHJ (NOTIFIED) OF IMPAI								
			SYSTEM	I INFORMATIO	N			
<b>GENERAL INFORMATION</b>	(GI)					YES	NO	N/A
<ol> <li>Is the building occur</li> </ol>		it?				X		
<ol><li>Is the building fully s</li></ol>						X		
<ol><li>System(s) in service</li></ol>						X		
<ol> <li>Spare heads and he</li> </ol>						X		
<ol><li>Stock/Storage a mir</li></ol>								X
6. Are all gauges in go			ration, and	showing norn	nal pressures?	X		
7. Wet system areas a	re adequately	/ heated?				X		



•			
VALVE INFORMATION	YES	NO	N/A
Are all main control valves open?	X	110	11/7
Main control valves in good condition and identified?	X		
Are control valves secure?	X		
Are all control valves accessible & free from external leaks?	X		
Are all control valves provided with the proper operators?	X		
All control valves operated through full range & returned to normal position?	X		
7. Valves lubricated?			X
7. Valvos labilicatos.			
SPRINKLER & PIPING INFORMATION (SI)	YES	NO	N/A
Are all sprinkler heads unobstructed?	X		
2. Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3. Are all sprinkler heads less than 50 years old?	X		
Are sprinkler heads of proper temperature rating?	X		
5. Are riser(s) in good condition & unobstructed?	X		
Hydraulic nameplate in place and OK?			Х
7. System ID securely attached & legible?	X		
Pipe in good condition, free of damage, obstructions, and leaks?	X		
9. Are all hangers OK?	X		
10. Seismic bracing OK?			X
11. Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
12. Are Relief Valves on gridded system OK?			X
13. Fire Department Connection (FDC) & Caps OK?			X
14. FDC equipped with ball drip? (if yes, in good working order?)			Χ
15. Was Main Drain Test performed? (See Table 2)			Χ
16. Are Backflow Preventers / Check Valves present (if yes, complete Table 5)			Х
, , , , , , , , , , , , , , , , , , , ,			
ALARM INFORMATION (AI)	YES	NO	N/A
Was the local alarm tested & OK?	X		
2. Did Central Station receive Flow Alarm Test?	X		
Did Central Station receive Tamper Test?	X		
Are alarm devices free from physical damage & all electrical connections secure?	X		
5. Is alarm valve trim OK & set properly?			X
6. No leakage from retard chambers or alarm drains?			X
7. Was Inspector Test performed and results OK?			Χ
DRY PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
. Dry pipe valves in service & in good external condition?			X
2. Pressure & priming water OK?			X
B. Air supply in good working order?			X
Were low points drained during fall & winter inspections?			X
5. Are accelerator(s) in good condition?			X
6. All dry valves have been trip tested & OK (See Table 3)			X
7. Dry pipe valves are in heated area?			X
Was customer informed that they need to drain all drum drips on a monthly basis?			X



T/	ABLE 1			TI-FREEZE	LOOP					
	No.	Location o	of Loop				No. of Heads	Type of	Backflow	Temp
_		T								
	ABLE 2	D : 0:		AIN DRAIN		(50)				
⊢ R	iser No.	Drain Size			Residual F	Pressure (PSI)				
	1.	2	11	5						
	2. 3.		-							
	4.									
	<del>5</del> .									
	J.									
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	Location o	of Dry Valve	Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.										
2.										
3.										
Loca	ation of D	rum Drain	S					Tested?	Yes	No
1.										
2.										
3.										
4.										
	ABLE 4	l	CONTROL	VALVE IN	FORMATION	<u> </u>				
	ABLE 4		I	. VALVE IIVI		<u> </u>			1	<u> </u>
										Tamper
Qty	Type o	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	-
	BFLY		Υ	Y	Y	Υ	NA	NA	Υ	Υ
	<u> </u>		<u> </u>		<u></u>	<u> </u>				<u> </u>
	ABLE 5	L.	BACKFLOW/CI		1				1	. =: 0.1
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	+	ATION
1.	PREACTION		VIKING	E-1	4	1996			BSMT LIBRA	
2. 3.	AIR CHEC	'n	VIKING	G-1	4	1996			BSMT LIBRA	KY STUKA
3. 4.	-				-				1	
4.										



•					
	(	ON / OFF PRI	EMISES MONI	TORING	
ГҮРЕ	YES	NO	TIME	С	OMMENTS
ALARM SIGNAL	X				
ALARM RESTORAL	X				
TROUBLE SIGNAL	X				
ROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	X				
SUPERVISORY RESTORAL	X				
	NOTIFI	CATIONS TH	AT TESTING	IS COMPLETE	
TYPE	YES	The state of the s	IAT TEOTING	WHO	TIME
BUILDING OCCUPANTS	1.20	DON			3:30PM
BUILDING MANAGEMENT		STEVE			3:30PM
MONITORING ENTITY		CAMPUS S	SECURITY		3:30PM
2ND MONITORING ENTITY					
AHJ (NOTIFIED) OF IMPAIRMENTS					
THIS TESTING	WAS PERFOR	MED IN ACC	ORDANCE WI	TH APPLICABLE NFPA S	TANDARDS
INSI	PECTOR'S	COMMEN	ITS AND R	ECOMMENDATION	S
SYSTEM OPERATED PROPERLY	<u>Y</u>				
SYSTEM IS OPERATED BY PRE			M 200 CVCT	EM DELEACE AND MAI	IIIAI BELEASEIN
	SSURE SWIT	CHEKOWE	-WI-200 3131	EINI KELEASE AIND INIAI	NOAL RELEASE IN
TOTAL PAC CABINET					
NOTES: FM 200 PANEL LOCATE	ED INSIDE CO	MPUTER S	STORAGE RM	OF ARCHIVE AREA A	ND IS A GEMINI BY
KIDDE WITH (3) FM-200 TANKS.	(1) INSIDE A	RCHIVE RI	<i>I (4</i> 65# AGEN	JT) (2) INSIDE LIBRARY	/ STORAGE RM (72# AG)
• ,	•		// (400// /\CE1	(1), (2) INOIDE EIDIOUR	TOTOTA (FZII / NO)
3) INSIDE LIBRARY STORAGE (	309# AGENT)	).			
FM 200 OPERATED BY SMOKE I	DETECTORS	(ION/PHOT	O) AND PULL	STATIONS	
FM 200 TRIP ISOLATES VENTILA	ATION TO RM				
PREACTION SYSTEM IS A VIKIN					
PREACTION SYSTEM IS A VIKIN	IG TOTAL PA	C			
SYSTEM RESTORED TO NORMAL (	OPERATION		DATE	10/15/12	TIME
NAME OF INSPECTOR			JASON JOHN	NETON	
TAME OF INOI EOTOR					
			JACON JOHN	NSTON	
NSPECTOR'S SIGNATURE			JACON JOHN	NSTOIN	
	RESENTATIVE	Ē	DAVID KUFF		
NAME OF PROPERTY OWNER/REP					
NAME OF PROPERTY OWNER/REP					
NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REP  SIGNATURE OF PROPERTY OWNE  s system code compliant with o	R/REPRESENT	TATIVE	DAVID KUFF		
NAME OF PROPERTY OWNER/REP	R/REPRESENT	TATIVE	DAVID KUFF	NER	
NAME OF PROPERTY OWNER/REP	R/REPRESENT occupancy & sations been c	Stored com	DAVID KUFF	NER Yes or No	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	8/14/2012 6:30AM 244875			X	764 163 282	01 Martindale Ave 16 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Sui 50 Arbor Tech Dr.	., Portage M e Dr, Saginav te A-9, Wixo	l w MI om MI	
SERVICE ORGANIZATI	ON (CORPO	RATE)	]	PROPE	RTY	NAME			
Vanguard Fire & Security	y			Name:		WAYNE STATE	- FACULTY	/ ADMINIS	TRATION
2101 Martindale Ave. SV	V			Address	s:	656 REUTHER I	MALL		
Grand Rapids, MI 49509	)			DETRO	IT, M	l 48202			
			•						
Technician:	JASON JOH	INSTON		Owner (	Conta	ct:	FRANK / DA	VID KUFFNE	ER.
TROY TYLER				Telepho	ne:		(586) 612-5	203	
Telephone:	800-444-871	19		Approvii	ng Ag	jency:	DETROIT F	FIRE DEPAR	RTMENT
			PRIOR TO	D ANIV TI	CTI	10			
NOTIFICATIONS		YES		NUMBER		NG I	WHO		TIME
BUILDING OCCUPANTS		ILS	FHONE	NONDER			VVIIO		THIVE
BUILDING MANAGEMENT	-	X	(586)	612-5203		FRANK / DAVID K	UFFNER		6:30AM
MONITORING ENTITY		X	(000)	012 0200		CAMPUS SECUR			6:30AM
2ND MONITORING ENTIT	Υ					0 00 02001.			0.007
AHJ (NOTIFIED) OF IMPA									
OFNEDAL INFORMATION	1.(01)		SYSTEM	INFORM	ATIO	N	VE0	NO	a
1. Is the building occu	. /	+2					YES	NO	N/A
Is the building fully:     Is the building fully:		l f					X		
System(s) in service		ification cin	co the last i	nepoetior	2		X		
Spare heads and heads are heads and heads are heads and heads and heads are heads and heads are heads and heads and heads are heads are heads and heads are heads					1:		^	X	
Stock/Storage a mil					tiles i	n place?	X	Λ	
6. Are all gauges in go							X		
7. Wet system areas a				y		p. 000 a100 i	X		
2.2, 2.2 2 30.0									



AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
<u>4.</u>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.	Valves lubricated?	^		V
7.	valves lubricated?			X
200	INIZI ED 9 DIDING INFORMATION (CI)	VEC	NO	NI/A
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			Х
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are Backflow i revenuers / Check valves present (ii yes, complete rable o)			
Λ I Λ	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X	NO	IN/A
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
2	Air aupply in good working order?			X
	Air supply in good working order?			
3.				X
3. 4.	Were low points drained during fall & winter inspections?			
3. 4. 5.	Were low points drained during fall & winter inspections?  Are accelerator(s) in good condition?			X
2. 3. 4. 5. 6.	Were low points drained during fall & winter inspections?			



TABLE 2											
No.   Location of Loop	T/	ABLE 1		AN	TI-FREEZE	LOOP					
TABLE 2		No.	Location of	f Loop				No. of Heads	Type of	f Backflow	Temp
Riser No.   Drain Size   Static Pressure (PSI)   1.   2   125     125				•							-
Riser No.   Drain Size   Static Pressure (PSI)   1.   2   125     125											
Riser No.   Drain Size   Static Pressure (PSI)   1.   2   125     125											
Riser No.   Drain Size   Static Pressure (PSI)   1.   2   125     125											
1.   2   125     2.   3.	TA	ABLE 2		M	AIN DRAIN 1	ΓEST					
TABLE 3	Ri	iser No.	<b>Drain Size</b>	Static Pres	sure (PSI)	Residual I	Pressure (PSI)				
TABLE 3			2	12	5						
TABLE 3   DRY SYSTEM TEST											
TABLE 3											
Valve		4.									
Valve			T								
No.   Size   Location of Dry Valve   Full or Partial Trip   Pressure   Starting Water Pressure   Trip   T	T/			DR	Y SYSTEM	TEST	T 64 41 55 1				T
1.				6 D	F. P. S		_	Otantin - W.	D	-	Tuin Time
2.	-	Size		T Dry valve	Full or Pa	artiai Irip	Pressure	Starting Water	Pressure	Pressure	Trip Time
Section   Sect			IN/A				+				
Tested?   Yes   No.											
1.   MECH RM MAIN - 42 SEC   X   X		M TIMES							Tostod2	Vos	No
2.   IST FLR - 45 SEC   X   X				SEC					resieu?		NO
3.   2ND FLR - 27 SEC	-			3EC							
A.											
TABLE 4   CONTROL VALVE INFORMATION   Tam				4TH							
Qty         Type of Valve         Accessible         Signs         Open         Secured         Sealed         Locked         Supervised         Operated           2         MAIN (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         YES           1         PUMP (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         N/A         N		ORD I LIC	10 020						J		
Qty         Type of Valve         Accessible         Signs         Open         Secured         Sealed         Locked         Supervised Operated Operated           2         MAIN (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         YES           1         PUMP (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES	T	ABLE 4		CONTROL	VALVE IN	FORMATION	J				
Qty         Type of Valve         Accessible         Signs         Open         Secured         Sealed         Locked         Supervised         Operated           2         MAIN (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         YES           1         PUMP (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         N/A         N							-				
2         MAIN (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         YES           1         PUMP (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         YES <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Tamper</th></td<>											Tamper
1         PUMP (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         YE	Qty	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
2         BYPASS (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES	2	MAIN (OS	&Y)		NO	YES	YES	N/A	N/A	YES	YES
7         SECTIONAL (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         <					NO			N/A	N/A		YES
1         ELEVATOR (OS&Y)         YES         NO         YES         YES         N/A         N/A         YES         YES <t< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>YES</td></t<>	-										YES
1         TEST (OS&Y)         YES         NO         N/C         YES         YES         N/A         N/A         N/A         N/A           2         JOCKY (BALL)         Image: Jock of the control of the contr	-										YES
Z JOCKY (BALL)           TABLE 5         BACKFLOW/CHECK VALVE INFORMATION           No.         PURPOSE         MFG         MODEL         SIZE         YEAR         LAST INSPECTED         LOCATION           1.         MAIN DETECTOR CHEC         HERSEY         EDC         8"         1988         2010         MECH ROOM BY REC           2.         DETECTOR BYPASS         HAMMOND         SWING         3/4"         1988         2010         MECH ROOM BY REC           3.         BYPASS         NIBCO         F512         8"         1988         2010         MECH ROOM BY REC           4.         PUMP         MUELLER         A2122         6"         1988         2010         MECH ROOM BY REC											YES
TABLE 5         BACKFLOW/CHECK VALVE INFORMATION           No.         PURPOSE         MFG         MODEL         SIZE         YEAR         LAST INSPECTED         LOCATION           1.         MAIN DETECTOR CHEC         HERSEY         EDC         8"         1988         2010         MECH ROOM BY REC           2.         DETECTOR BYPASS         HAMMOND         SWING         3/4"         1988         2010         MECH ROOM BY REC           3.         BYPASS         NIBCO         F512         8"         1988         2010         MECH ROOM BY REC           4.         PUMP         MUELLER         A2122         6"         1988         2010         MECH ROOM BY REC		<b>`</b>		YES	NO	N/C	YES	YES	N/A	N/A	N/A
No.PURPOSEMFGMODELSIZEYEARLAST INSPECTEDLOCATION1.MAIN DETECTOR CHECHERSEYEDC8"19882010MECH ROOM BY REC2.DETECTOR BYPASSHAMMONDSWING3/4"19882010MECH ROOM BY REC3.BYPASSNIBCOF5128"19882010MECH ROOM BY REC4.PUMPMUELLERA21226"19882010MECH ROOM BY REC	2	JOCKY (B	ALL)								
No.PURPOSEMFGMODELSIZEYEARLAST INSPECTEDLOCATION1.MAIN DETECTOR CHECHERSEYEDC8"19882010MECH ROOM BY REC2.DETECTOR BYPASSHAMMONDSWING3/4"19882010MECH ROOM BY REC3.BYPASSNIBCOF5128"19882010MECH ROOM BY REC4.PUMPMUELLERA21226"19882010MECH ROOM BY REC	_			4 OLCEL - 1111-11		/= I\I=					
1.         MAIN DETECTOR CHEC         HERSEY         EDC         8"         1988         2010         MECH ROOM BY REC           2.         DETECTOR BYPASS         HAMMOND         SWING         3/4"         1988         2010         MECH ROOM BY REC           3.         BYPASS         NIBCO         F512         8"         1988         2010         MECH ROOM BY REC           4.         PUMP         MUELLER         A2122         6"         1988         2010         MECH ROOM BY REC		•							-0755		1 TION
2.         DETECTOR BYPASS         HAMMOND         SWING         3/4"         1988         2010         MECH ROOM BY REC           3.         BYPASS         NIBCO         F512         8"         1988         2010         MECH ROOM BY REC           4.         PUMP         MUELLER         A2122         6"         1988         2010         MECH ROOM BY REC											
3.         BYPASS         NIBCO         F512         8"         1988         2010         MECH ROOM BY REC           4.         PUMP         MUELLER         A2122         6"         1988         2010         MECH ROOM BY REC											
<b>4.</b> PUMP MUELLER A2122 6" 1988 2010 MECH ROOM BY REC			DK BYPASS								
13. DOUNCE THANKINDIND SWING 1 /2 1 1900 1 ZUTU MECH ROUM BY REC.											
		ו טט		MIDCO	FUIZ	4	1900	2010		WECH KOOM	DI KECEIVING
7.	7.										



		_	MISES MONIT	ORING	001111		
TYPE	YES	NO	TIME		СОММЕ	ENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL SUPERVISORY RESTORAL	X						
SUPERVISORY RESTORAL	^						
	NOTIFI	CATIONS TH	AT TESTING IS	S COMPLETE			
ТҮРЕ	YES			WHO			TIME
BUILDING OCCUPANTS							
BUILDING MANAGEMENT	X	FRANK / DA	AVID KUFFNER	?		11	:00AM
MONITORING ENTITY	X	CAMPUS S					:00AM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
	WAS PERFOR	MED IN ACC	ORDANCE WIT	H APPLICABLE N	NFPA STAND	ARDS	
INS	PECTOR'S	COMMEN	TS AND RE	COMMENDA	TIONS		
NO WRENCH IN HEAD BOX AND FRON	T COVER MISSIN	IG					
MISSING CONCEALED COVER PLATES (1) 1ST FLR BY RM 1339 (1) IN PRESI	AND NEED LOW	/ERED: (2) 4TH				DR 3RD FLR,	
NO WRENCH IN HEAD BOX AND FRON' MISSING CONCEALED COVER PLATES  (1) 1ST FLR BY RM 1339 (1) IN PRESI MISSING (1) WHITE ½" SEMI-RECESSE  SYSTEM RESTORED TO NORMAL	AND NEED LOW DENTS OFFICE D ESCUTCHEON	/ERED: (2) 4TH			ORRECTED)	OR 3RD FLR, TIME	11:00AM
MISSING CONCEALED COVER PLATES  (1) 1ST FLR BY RM 1339 (1) IN PRESI  MISSING (1) WHITE ½" SEMI-RECESSE	AND NEED LOW DENTS OFFICE D ESCUTCHEON	/ERED: (2) 4TH	DM 4296 AND NE	EDS LOWERED (CC	ORRECTED)		11:00AM
MISSING CONCEALED COVER PLATES  (1) 1ST FLR BY RM 1339 (1) IN PRESI  MISSING (1) WHITE ½" SEMI-RECESSE  SYSTEM RESTORED TO NORMAL	AND NEED LOW DENTS OFFICE D ESCUTCHEON	/ERED: (2) 4TH	DM 4296 AND NE	EDS LOWERED (CC	ORRECTED)		11:00AM
MISSING CONCEALED COVER PLATES  (1) 1ST FLR BY RM 1339 (1) IN PRESI  MISSING (1) WHITE ½" SEMI-RECESSE  SYSTEM RESTORED TO NORMAL  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	AND NEED LOW DENTS OFFICE D ESCUTCHEON OPERATION	/ERED: (2) 4TH	DM 4296 AND NE	EDS LOWERED (CC 8/14/ <sup>2</sup> STON	ORRECTED)		11:00AM
MISSING CONCEALED COVER PLATES  (1) 1ST FLR BY RM 1339 (1) IN PRESI  MISSING (1) WHITE ½" SEMI-RECESSE  SYSTEM RESTORED TO NORMAL  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REF	AND NEED LOW DENTS OFFICE D ESCUTCHEON OPERATION	/ERED: (2) 4TH	DATE  JASON JOHN	EDS LOWERED (CC 8/14/ <sup>2</sup> STON	ORRECTED)		11:00AM
MISSING CONCEALED COVER PLATES  (1) 1ST FLR BY RM 1339 (1) IN PRESI  MISSING (1) WHITE ½" SEMI-RECESSE  SYSTEM RESTORED TO NORMAL  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REF	AND NEED LOW DENTS OFFICE D ESCUTCHEON OPERATION PRESENTATIVE	VERED: (2) 4TH	DATE  JASON JOHN  DAVID KUFF	EDS LOWERED (CC 8/14/ <sup>2</sup> STON NER	DRRECTED)		11:00AM
MISSING CONCEALED COVER PLATES  (1) 1ST FLR BY RM 1339 (1) IN PRESI  MISSING (1) WHITE ½" SEMI-RECESSE  SYSTEM RESTORED TO NORMAL  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REF  SIGNATURE OF PROPERTY OWNE	AND NEED LOW DENTS OFFICE D ESCUTCHEON OPERATION PRESENTATIVE ER/REPRESENT OCCUPANCY & 9	EATIVE	DATE  JASON JOHN  DAVID KUFF	EDS LOWERED (CC 8/14/ <sup>2</sup> STON	DRRECTED)  12  YES		11:00AM
MISSING CONCEALED COVER PLATES  (1) 1ST FLR BY RM 1339 (1) IN PRESI  MISSING (1) WHITE ½" SEMI-RECESSE  SYSTEM RESTORED TO NORMAL  NAME OF INSPECTOR	DENTS OFFICE D ESCUTCHEON OPERATION PRESENTATIVE ER/REPRESENT OCCUPANCY & S lations been of	EXECUTE IN COPY ROCE  TATIVE  stored commerced?	DATE  JASON JOHN  DAVID KUFFI	EDS LOWERED (CO 8/14/ <sup>2</sup> STON NER	DRRECTED)		11:00AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

DATE:	8/14/12			<u> </u>	7646 S.	Sprinkle Rd	I., Portage M	11
ARRIVAL TIME:	6:30AM			X			e Dr, Sagina	
WORK ORDER NUMBER:	244875						ite A-9, Wixe . Suite F, He	
SERVICE ORGANIZATION	N (CORPORA	ATE)			PROPER	TY NAME		
Vanguard Fire & Security					Name:	FACULTY	& ADMIN -	130
2101 Martindale Ave. SW					Address:		HER MALL	
						· L	TIER WALL	
Grand Rapids, MI 49509					DETROIT	, MI 48202		
Technician:	JASON J	OHNSTON			Owner Co	ntact:	FRANK / D	KUFFNER
	12 2 2				Telephone		(586) 612-8	
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.
11071710 1710110			r	ANY TESTING		14/110		
NOTIFICATIONS BUILDING OCCUPANTS		YES	PHONI	E NUMBER		WHO		TIME
BUILDING MANAGEMENT		X	(586)	612-5203	FRANK/DAV	ID KUFFNER		6:30AM
MONITORING ENTITY		X	(300)	012-3203	CAMPUS S			6:30AM
2ND MONITORING ENTITY					07	2001111		0.007 1111
AHJ (NOTIFIED) OF ANY IMP	PAIRMENTS							
,								
		FIRE PUM	P & JOCKE	Y PUMP INFOR	RMATION			
				JMP DATA				
MANUFACTURER		LLIS CHALI		RATE GPM			1000	
MODEL		ENTRIFICA		RATE PSI			75	
SERIAL NUMBER	8	3 <mark>91-81558-</mark> 0	)1-01	PSI @ 150%			49	
TYPE		KSLF		MAX PRES			90	
RATED RPM		1780		AUTO STAI			80	
IMPELLER SIZE		13.75		SATISFIED			122	
HORSE POWER		60		AUTO STO			NO	
WATER SUPPLY		CITY		RUN TIMER	₹		N/A	
			FIDE DI	MD DDIVED				
MANUEACTURER	1	LINICCLIA		MP DRIVER	264T	DATED DD	N.A.	4775
MANUFACTURER MODEL		LINCGUA 4695A1		FRAME VOLTAGE	364T 460	RATED RP	IVI	1775 60
SERIAL NUMBER		3236539		AMP	77	HORSE PC	\\/ED	60
TYPE		ELECTR		PHASE	3	SERVICE F		1.15
	1	LLLOTT		II III OL		JOERVIOLI	7.0101	1.10



	FIRE PUMI	P CONTROL			
MANUFACTURER	JOSLYN-CLARK	HORSE POWER RATING	<u> </u>		60
MODEL	C3B184-4	VOLTAGE	_		480
SERIAL NUMBER	72710600-1-1	AMP RMS			0,000
	72.76555 7 7	<u></u>			<u> </u>
	JOCKEY F	PUMP DATA			
MANUFACTURER	PROCON	INLET/OUTLET SIZE			3/8"
MODEL		START PRESSURE (ON	)		105
SERIAL NUMBER		STOP PRESSURE (OFF	)		115
HORSE POWER	1/3	VOLTAGE			115
		RMS PROVIDED		T	
DISPLAYED AT	PANEL LOBBY	PHASE REVERSAL			NO
PUMP RUNNING	YES	PUMP ROOM LOW TEM	Р		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
	FIDE DUMP	TEST DEPOST			
Increation of Dump	FIRE PUMP	TEST REPORT	YES	NO	N/A
Inspection of Pump  1. System found in service?			X	NO	IN/A
Fire pump controller in automatic services.	na?		X		
3. Jockey pump controller in service on a			X		
4. Is alarm panel clear?	uto:		X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					Х
Suction, discharge and bypass valves	open?		Χ		
10. Piping, valves and fittings free from le	-		Χ		
11. Main relief valve functions ok?			Χ		
Electronic Pump Inspection			YES	NO	N/A
Isolation switch and circuit breaker exerging	ercised?		Χ		
Diesel Pump Inspection			YES	NO	N/A
1. Fuel tank at least two-thirds full?					X
2. Controller selector switch in auto positi	on?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading norma	al?				X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					Χ
9. Crankcase breather cleaned and ok?					Χ
10. Water strainer cleaned?					Χ
11. Wire chafing inspected?					Χ
12. Pressure recorder reset and graph pa	per present?				Χ
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid funct	ion properly?				Х



•				
INSPECTION	OF FIRE PUMP AND PIPING C	OMPONENTS		
INSPECTION	OF FIRE FUNIF AND FIFING C	YES	NO	N/A
Valves in proper position and in good condition?		X		1471
2. Are all valves listed for application?		X		
3. Valves locked, sealed or supervised?		X		
I. Are all valves tagged and identified?		X		
5. Jockey pump operational?		X		
6. Packing glands appear properly adjusted?		X		
7. Bi-monthly test records available?				X
Were automatic starts performed?		X		
Were manual starts performed?		X		
0. Did automatic and manual starts and stops function	on properly?	X		
Remote alarm conditions demonstrated?		X		
2. Are drains operational and ok?		X		
3. Does fire pump shaft and coupling appear to be pr	operly aligned?	X		
4. Does jockey pump appear to be aligned ok?		X		
5. Does fire pump have casing relief valve and does	t function properly?	X		
6. Is test header in good condition and drained?		X		
7. Supplying tank or reservoir appears to be in satisfa	actory condition?			X
8. Tank water level ok?	ti			X
<ul><li>9. At completion, was pump returned to automatic op</li><li>0. Site personnel were offered instruction in pump op</li></ul>		X		
20. Site personnel were offered instruction in pump op 21. Sensing lines for jockey and fire pump separate?	erations?	Λ	X	
22. Power transfer switch tested and ok?			X	
zz. Fower transier switch tested and ok?			^	
	FLOW INSPECTION REPORT			
ire Pump Flow Test Report	CHURN	100% FLOW	150%	6 FLOW
RPM During Test	1790	1782		778
/oltage During Test	495 493 493	495 493 493	482	184 484
Amperage During Test	37 39 37	62 64 64	76	76 77
RATED NET HEAD	75			
SUCTION PRESSURE	42	37		32
DISCHARGE PRESSURE	123	113		88
NET HEAD	81	76		56
RATED GPM 1000				
OUTLET A PITOT	NA	503		<mark>750</mark>
OUTLET B PITOT	NA	503		<del>75</del> 0
OUTLET C PITOT	NA			
OUTLET D PITOT	NA			
OUTLET E PITOT	NA			
TOTAL FLOW	0	1006		500
RATED % OF FLOW		101%	1	50%
		D400   V	FA.: 1	
Does Fire Pump	meet system specifications?	PASS X	FAIL	



		D1		Y INSPECTION			
TYPE		V	ISUAL	FUNCTIONA	L	СОММЕ	NTS
SATTERY CONDITION			N/A				
/OLTAGE							
SATTERY SIZE							
CHARGER VOLTAGE							
	EMERGEN	CY COMM	<b>IUNICATION E</b>	QUIPMENT:ON/OF	F MONITORING		
TYPE	YES	NO	TIME		COMME	ENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
FROUBLE SIGNAL	X						
FROUBLE RESTORAL	X						
SUPERVISORY SIGNAL							
SUPERVISORY RESTORAL							
		NOTIFICA	TIONIO TILAT	FEOTING IO COMPI			
TYPE		NOTIFICA YES	TIONS THAT	TESTING IS COMPI WHO	.EIE	1	TIME
BUILDING OCCUPANTS		165		WHO			IIIVIE
BUILDING OCCUPANTS BUILDING MANAGEMENT		X	FRANK				11:00AM
MONITORING ENTITY		X	CAMPUS SE	CLIDITY			11:00AW
		^	CAIVIF US SE	CORTT			T T.OUAIVI
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
	AIRMENTS						
	AIRMENTS						
AHJ (NOTIFIED) OF ANY IMPA		ERFORME	D IN ACCORD	ANCE WITH APPL	CABLE NFPA S	TANDARDS	
AHJ (NOTIFIED) OF ANY IMPA	TING WAS PI			ANCE WITH APPLI			
PUMP OPERATED PROPE	TING WAS PERIOR OF THE PERIOR	OR'S CO	DMMENTS ST	AND RECOM			
AHJ (NOTIFIED) OF ANY IMPA THIS TEST	TING WAS PERIOR OF THE PERIOR	OR'S CO	DMMENTS ST	AND RECOM			
THIS TEST PUMP OPERATED PROPE NOT TIED INTO GENERAT	TING WAS PE INSPECTO FRLY AT TIME FOR. TRANS	OR'S COME OF TES	DMMENTS ST	AND RECOM			11:00AM
THIS TEST PUMP OPERATED PROPE NOT TIED INTO GENERAT	TING WAS PE INSPECTO FRLY AT TIME FOR. TRANS	OR'S COME OF TES	DMMENTS ST	AND RECOMMED IN	8/14/12	S	11:00AM
THIS TEST PUMP OPERATED PROPE NOT TIED INTO GENERAT	TING WAS PE INSPECTO FRLY AT TIME FOR. TRANS	OR'S COME OF TES	DMMENTS ST	AND RECOMM	8/14/12	S	11:00AM
THIS TEST  PUMP OPERATED PROPE NOT TIED INTO GENERAT  SYSTEM RESTORED TO NOT NAME OF INSPECTOR	TING WAS PE INSPECTO FRLY AT TIME FOR. TRANS	OR'S COME OF TES	DMMENTS ST	AND RECOMMED IN	8/14/12	S	11:00AM
THIS TEST PUMP OPERATED PROPE	ING WAS PERIOD OF THE PRIOR OF TRANS	OR'S COME OF TES	DMMENTS ST	AND RECOMMED IN	8/14/12 DN	S	11:00AM
THIS TEST  THIS TEST  PUMP OPERATED PROPE  NOT TIED INTO GENERAT  SYSTEM RESTORED TO NOT  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	INS WAS PERING WAS PER	OR'S COME OF TES	DMMENTS ST TCH NOT TII	AND RECOMM  ED IN  DATE  JASON JOHNSTO	8/14/12 DN	S	11:00AM
THIS TEST PUMP OPERATED PROPE NOT TIED INTO GENERAT  SYSTEM RESTORED TO NOT NAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE	ING WAS PER	OR'S COME OF TEST SFER SWITTEN  ATION  PRESENTA	OMMENTS ST TCH NOT TIL	DATE  JASON JOHNSTO	8/14/12 DN	TIME	11:00AM
THIS TEST PUMP OPERATED PROPE NOT TIED INTO GENERAT  SYSTEM RESTORED TO NOT NAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE SIGNATURE OF PROPERTY S System code compliant	INS WAS PERING WAS PER	OR'S COME OF TEST SFER SWITTEN  PRESENTATION	OMMENTS ST TCH NOT TIL	DATE  JASON JOHNSTO	8/14/12 DN  Yes or N	TIME	11:00AM
THIS TEST  PUMP OPERATED PROPE NOT TIED INTO GENERAT  SYSTEM RESTORED TO NOTE NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE	ENTATIVE  with occupes/violation:	OR'S COME OF TEST SFER SWITTEN  PRESENTATION  ancy & st s been co	TIVE	DATE  JASON JOHNSTO  DAVID KUFFNER	8/14/12 DN	TIME  TO YES  TO NO	11:00AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	8/14/2012 1PM 244871			76 X 16 28 10	46 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr	l., Portage Mi e Dr, Saginav ite A-9, Wixo	v MI vm MI		
SERVICE ORGANIZAT	TION (CORPOR	RATE)	PF	ROPERTY	NAME T				
Vanguard Fire & Secur	ity		Na	Name: WAYNE STATE - EDUCATION - 140					
2101 Martindale Ave. S	SW		Ac	Address: 5425 GULLEN MALL					
Grand Rapids, MI 4950	9		DE	ETROIT, M	II 48202				
Technician:	chnician: JASON JOHNSTON		Ov	wner Conta	act:	CARL / DAVI	D KUFFNEF	R	
			Те	elephone:		(313) 684-4459			
Telephone:	800-444-871	9	Approving Agency:		DETROIT FIRE DEPARTMENT		RTMENT		
			PRIOR TO A	NY TESTI	NG				
NOTIFICATIONS		YES	PHONE NU		T	WHO		TIME	
BUILDING OCCUPANTS									
BUILDING MANAGEMEN	ΙΤ	Χ	(313) 684	-4459	CARL / DAVID KU	(UFFNER 1PM			
MONITORING ENTITY		Χ			CAMPUS SECUR	RITY		1PM	
2ND MONITORING ENTI	TY								
AHJ (NOTIFIED) OF IMPA	AIRMENTS								
			0)/07714						
			SYSTEM INI	FORMATIO	PN	YES	NO	N/A	
GENERAL INFORMATIO	NI (CI)					163	INO	IN/A	
GENERAL INFORMATIO		t?				X			
<ol> <li>Is the building occ</li> </ol>	upied as in pas	t?				X	X		
<ol> <li>Is the building occ</li> <li>Is the building fully</li> </ol>	upied as in pas / sprinkled?		ce the last insp	ection?		X	X		
<ol> <li>Is the building occ</li> <li>Is the building fully</li> </ol>	upied as in pas / sprinkled? ce without mod	ification sin					X		
<ol> <li>Is the building occ</li> <li>Is the building fully</li> <li>System(s) in serving</li> </ol>	upied as in pas / sprinkled? ce without mod head box with v	ification sin	rely mounted?	)	in place?				
<ol> <li>Is the building occ</li> <li>Is the building fully</li> <li>System(s) in servi</li> <li>Spare heads and</li> </ol>	upied as in pas / sprinkled? ce without mod head box with v hinimum of 18"	ification sin vrench secu pelow sprin	rely mounted? kler heads & ce	eiling tiles		X			
<ol> <li>Is the building occ</li> <li>Is the building fully</li> <li>System(s) in servi</li> <li>Spare heads and</li> <li>Stock/Storage a m</li> </ol>	upied as in pas y sprinkled? ce without mod head box with v hinimum of 18" l good condition,	ification sin vrench secu below sprin in 5-yr calik	rely mounted? kler heads & ce	eiling tiles		X			



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?		X	
3.	Are control valves secure?	X	Λ	
<u>3.</u> 4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves accessible a free from external leaks?  Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
		1 1/20		
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			Х
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	^	X	
	Was Main Drain Test performed? (See Table 2)		X	
		V	^	
10.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
\ I A	DM INFORMATION (AI)	VEC	NO	NI/A
	RM INFORMATION (AI)	YES	NO	N/A
<u>.                                    </u>	Was the local alarm tested & OK?	X		
<u>2.</u>	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?			X
ļ	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
3.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			Х
2.	Pressure & priming water OK?			Х
3.	Air supply in good working order?			X
ŀ.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
). 3.	All dry valves have been trip tested & OK (See Table 3)	1		X
7.	Dry pipe valves are in heated area?			X
٠.	Was customer informed that they need to drain all drum drips on a monthly basis?			X
3				



T	ABLE 1		AN <sup>-</sup>	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	f Backflow	Temp
		N/A	•					- /.		·
	ABLE 2			AIN DRAIN 1						
R	iser No.	Drain Size	Static Pres		Residual F	Pressure (PSI)				
	1.	2	40	)		25				
	2.									
	3.									
	4.									
	4 D. E. O	T		V OVOTELL	TEAT					
Γ.	ABLE 3 Valve		DR T	Y SYSTEM	IESI	Starting Air			Trip Air	
No.	Size	Location	f Dry Valve	Full or D	artial Trip	Pressure	Starting Water	Proceuro	Pressure	Trip Time
1.	JIZE	N/A	i Diy vaive	i uii Ui Pe	artiai IIIP	i iessuie	Starting water	i icosuic	i ressure	THE THIE
2.		1 1 1 / / / /							+	
3.										
	ation of D	rum Drains	l			<u> </u>		Tested?	Yes	No
1.	ation of B	Tain Braine						Toolog.	1.00	
2.										
3.										
4.										
T.	ABLE 4		CONTROL	VALVE IN	FORMATION	ı				
	_								l	Tamper
Qty		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked		Operational
3	OS&Y	(000)()	YES	NO	YES	YES	YES	N/A	N/A	N/A
1	BYPASS (	(US&Y)	YES	NO	N/A	YES	YES	N/A	N/A	N/A
									+	
									+	
									+	
									1	
Т	ABLE 5	R	ACKFLOW/CI	HECK VAI V	E INFORMA	TION				
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	LOCA	ATION
1.		OR CHECK	GLOBE	Α	4"	1959	2010		BOILER ROOM	
2.		OR BYPASS	SCOTT	SWING	3/4"	1959	2010		BOILER ROOM	
3.	MAIN		KENNEDY	UT	4"	1959			BOILER ROOM	
4.	FDC		KENNEDY	UT	4"	1959	2010		BOILER ROOM	M 51
5.										
6.										
7.										
· ·										



		N / OFF PRE	EMISES MONI	TORING		
TYPE	YES	NO	TIME	1	COMMENTS	
ALARM SIGNAL			1			
ALARM RESTORAL						
TROUBLE SIGNAL						
TROUBLE RESTORAL						
SUPERVISORY SIGNAL						
SUPERVISORY RESTORAL						
<u> </u>						
	NOTIFI	CATIONS TH	AT TESTING	IS COMPLETE		
ГҮРЕ	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X	CARL / DAY	VID KUFFNER			3PM
MONITORING ENTITY	X	CAMPUS S	ECURITY			3PM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING WAS F	PERFOR	MED IN ACC	ORDANCE WI	TH APPLICABLE N	FPA STANDARDS	
INSPECT	TOR'S	COMMEN	TS AND R	<b>ECOMMENDA</b>	TIONS	
ST OS&Y ON SYSTEM DOSENT FULLY CLOSE	F UNABLE	TO DO MAIN	CHECK VALVE	- 4" OS&Y SHOULD B	F REPLACED	
HEADBOX LOCATED IN ENGINEERS OFFICE						
	JANITORS	CLOSET.				
INSPECTORS TEST LOCATED IN 4TH FLOOR J			GED.			
INSPECTORS TEST LOCATED IN 4TH FLOOR J	R DRAINS		GED.  DATE	8/14/1:	2 <b>TIME</b>	3РМ
INSPECTORS TEST LOCATED IN 4TH FLOOR J COULD NOT RUN MAIN DRAIN DUE TO FLOOR SYSTEM RESTORED TO NORMAL OPERA	R DRAINS			•	2 <b>TIME</b>	3PM
HEADBOX LOCATED IN ENGINEERS OFFICE  INSPECTORS TEST LOCATED IN 4TH FLOOR J  COULD NOT RUN MAIN DRAIN DUE TO FLOOR  SYSTEM RESTORED TO NORMAL OPERA  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	R DRAINS		DATE	•	2 <b>TIME</b>	3РМ
INSPECTORS TEST LOCATED IN 4TH FLOOR J COULD NOT RUN MAIN DRAIN DUE TO FLOOR SYSTEM RESTORED TO NORMAL OPERA NAME OF INSPECTOR INSPECTOR'S SIGNATURE	ATION	BEING CLOGO	DATE	NSTON	2 TIME	3PM
INSPECTORS TEST LOCATED IN 4TH FLOOR J COULD NOT RUN MAIN DRAIN DUE TO FLOOR SYSTEM RESTORED TO NORMAL OPERA NAME OF INSPECTOR	ATION  NTATIVE	BEING CLOGG	DATE  JASON JOHN	NSTON	2 TIME	ЗРМ
INSPECTORS TEST LOCATED IN 4TH FLOOR J COULD NOT RUN MAIN DRAIN DUE TO FLOOR SYSTEM RESTORED TO NORMAL OPERA NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESEI SIGNATURE OF PROPERTY OWNER/REP	ATION  NTATIVE	BEING CLOGG	DATE  JASON JOHN  DAVID KUFF	NSTON		3PM
COULD NOT RUN MAIN DRAIN DUE TO FLOOR SYSTEM RESTORED TO NORMAL OPERA NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESEI SIGNATURE OF PROPERTY OWNER/REP	ATION  NTATIVE PRESENT	BEING CLOGG	DATE  JASON JOHN  DAVID KUFF	NSTON  NER  Yes or No	YES	3PM
INSPECTORS TEST LOCATED IN 4TH FLOOR J COULD NOT RUN MAIN DRAIN DUE TO FLOOR SYSTEM RESTORED TO NORMAL OPERA NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESEI SIGNATURE OF PROPERTY OWNER/REP Is system code compliant with occupa	ATION  NTATIVE  RESENT  ancy & s	EATIVE stored components or corrected?	DATE  JASON JOHN  DAVID KUFF	Yes or No Yes or No	YES	3PM
COULD NOT RUN MAIN DRAIN DUE TO FLOOR SYSTEM RESTORED TO NORMAL OPERA NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRESEI SIGNATURE OF PROPERTY OWNER/REP	ATION  NTATIVE  RESENT  ancy & s	EATIVE stored components or corrected?	DATE  JASON JOHN  DAVID KUFF	NSTON  NER  Yes or No	YES	3PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA  Vanguard Fire & Secu 2101 Martindale Ave.	ırity	ATE)		X PROPEI Name: Address	764 163 282 105	11 Martindale Ave 16 S. Sprinkle Rd. 13 S. Champagne 121 Beck Rd., Sui 10 Arbor Tech Dr. 10 AME WAYNE STATE	., Portage M e Dr, Sagina te A-9, Wixe Suite F, He	II w MI om MI ebron KY	
Grand Rapids, MI 495	609		J	DETROI	T, MI	48202			
Technician:	echnician: JASON JOHNSTON		]	Owner Contact: Telephone:		ct:	ROBERT RIDLEY/DAVID KUI 3136840898/313-648-0847		
Telephone:	800-444-871	9		Approving Agency:			DETROIT FIRE DEPARTMENT		
			PRIOR TO	O ANY TE	STIN	NG			
NOTIFICATIONS		YES		NUMBER			WHO		TIME
BUILDING OCCUPANTS									
BUILDING MANAGEME	NT	X	(313)	684-0898					7:00AM
MONITORING ENTITY		X				CAMPUS SECUR	ITY		7:00AM
2ND MONITORING ENT			313-6	84-0847		CARL			
AHJ (NOTIFIED) OF IMF	PAIRMENTS		<u> </u>						
			SVSTEM	INFORM	ATIO	AI			
GENERAL INFORMATION	ON (GI)		GIGILIWI	THE CITIES	A 1 1 O I	•	YES	NO	N/A
Is the building oc		?					X		14,71
2. Is the building full								Χ	
<ol><li>System(s) in serv</li></ol>	ice without modi	fication sin	ce the last in	nspection	1?		Χ		
4. Spare heads and							X		
<ol><li>Stock/Storage a r</li></ol>							X		
6. Are all gauges in	•		bration, and	showing	norm	al pressures?	X		
7. Wet system areas	s are adequately	heated?					X		



ΆΙ	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		14,71
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
		X		
	Are all control valves provided with the proper operators?			
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
		1 1		
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?		X	
		X	^	
	FDC equipped with ball drip? (if yes, in good working order?)	<b>X</b>		
	Was Main Drain Test performed? (See Table 2)		X	
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
		1		
	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?		X	
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?			X
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?	X		
6.	No leakage from retard chambers or alarm drains?	X		
7.	Was Inspector Test performed and results OK? (IN JANITORS CLOSET LOBBY)	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?	1		X
2.	Pressure & priming water OK?	1		X
<del>2.</del> 3.	Air supply in good working order?	+		X
	Were low points drained during fall & winter inspections?	+		X
4. -		-		
5.	Are accelerator(s) in good condition?			X
3.	All dry valves have been trip tested & OK (See Table 3)			X
7. 8	Dry pipe valves are in heated area? Was customer informed that they need to drain all drum drips on a monthly basis?			X



TA	ABLE 1									
	TOLL !		AN <sup>-</sup>	TI-FREEZE	LOOP					
	No.	Location o	f Loop				No. of Heads	Type of	Backflow	Temp
		N/A								
TÆ	ABLE 2		MA	AIN DRAIN	TEST					
Ri	iser No.	Drain Size	Static Press	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	45			N/A				
	2.									
	3.									
	4.									
	5.									
T/	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	Location o	of Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	N/A									
2.										
3.								1		
		rum Drain						Tested?	Yes	No
	IT - SOUT	H JANITOR:	S CLOSET 1S	T FLOOR					X	
2.										
3.										
4.										
	ADLE 4	ı	CONTROL	\/A1\/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	CODMATION	•				
	ABLE 4		CONTROL	. VALVE INI	ORMATION	•			1	I
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
	OS&Y		YES	YES	YES	NO	YES	N/A	N/A	N/A
_	-							,, .		
									1	
									1	
									1	
$\neg$										
T/	ABLE 5	В	ACKFLOW/CI	HECK VALV	E INFORMA	TION				
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPE	ECTED	LOC	ATION
_		R CHECK	VIKING	C-1	6"	1970	2010		BASMENT M	
	ALARM CI		STAR	D	6"	1970	2010		BASMENT M	
	FDC		STAR	AA	4"	1970	2010		BASMENT M	
4.	-									



		ON / OFF PREMISES MON	NITORING		
TYPE	YES	NO TIME		COMMENTS	
ALARM SIGNAL	X				
ALARM RESTORAL	X				
TROUBLE SIGNAL	X				
TROUBLE RESTORAL	X				
SUPERVISORY SIGNAL	N/A				
SUPERVISORY RESTORAL	N/A	<u> </u>			
	NOTIFI	CATIONIC THAT TECTING	NIC COMPLETE		
TYPE	YES	CATIONS THAT TESTING	WHO		TIME
BUILDING OCCUPANTS	153		WHO		IIIVIE
BUILDING MANAGEMENT	X	ROBERT RIDLEY/DAVI	D KLIFFNER		6:00 PM
MONITORING ENTITY	X	CAMPUS SECURITY	DROTTNER		6:00 PM
2ND MONITORING ENTITY		Gram GG GEGGRATT			0.001 111
AHJ (NOTIFIED) OF IMPAIRMENTS					
	AS PERFOR	MED IN ACCORDANCE V	VITH APPLICABLE N	IFPA STANDARDS	
INSPI	ECTOR'S	COMMENTS AND	RECOMMENDA	TIONS	
*NOTE - ALARM PANEL IN MECHA	ANICAL PEN	ITHOUSE ABOVE STAC	GE & RISER IN BAS	SEMENT MECHANIC	AL ROOM
*NOTE - SYSTEM HAS (2) PRESSU	IRE SWITC	HES TIED INTO 110V/	A ARM DANEI		
*NOTE - MUST MANUALLY RELIE\	VE PRESSU	RE FROM PRESSURE	SWITCH TO SILE	NCE ALARM (1/2" BA	LL VALVE
AT RISER)					
FDC MISSING CAPS (CORRECTED	D AT INSPE	CTION WITH PLASTIC	CAPS)		
WATER GONG ON OUTSIDE OF B			•	PECTO ADE IN COM	
WATER GOING ON OUTSIDE OF B	OILDING W	EST SIDE NOT WORK	ING AND BEES/ING	SECTS ARE IN GOIN	JANEA
SYSTEM RESTORED TO NORMAL OF	PERATION	DATE	8/15/1	2 <b>TIME</b>	9:00AM
	PERATION		•	2 <b>TIME</b>	9:00AM
SYSTEM RESTORED TO NORMAL OF	PERATION	DATE JASON JOI	•	2 <b>TIME</b>	9:00AM
NAME OF INSPECTOR	PERATION		•	2 <b>TIME</b>	9:00AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE		JASON JOI	HNSTON	2 <b>TIME</b>	9:00AM
SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRI		JASON JOI	HNSTON	2 <b>TIME</b>	9:00AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPR	ESENTATIVE	JASON JOI	HNSTON	2 <b>TIME</b>	9:00AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPR	ESENTATIVE	JASON JOI	HNSTON	2 <b>TIME</b>	9:00AM
NAME OF INSPECTOR INSPECTOR'S SIGNATURE	ESENTATIVE /REPRESENT	JASON JOI	HNSTON	2 TIME	9:00AM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRI  SIGNATURE OF PROPERTY OWNER/	ESENTATIVE /REPRESENT	JASON JOI  DAVID KUF  TATIVE  stored commodity?	HNSTON		9:00AM
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRI  SIGNATURE OF PROPERTY OWNER/  Is system code compliant with oc	ESENTATIVE /REPRESENT cupancy & stions been c	JASON JOI  DAVID KUP  ATIVE  stored commodity? corrected?	HNSTON FFNER  Yes or No	YES	9:00AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	6/14/2012 11:30AM 244883		<u>X</u> 1	7646 S. Sprinkle Ro 1633 S. Champagn 28221 Beck Rd., So 1050 Arbor Tech D	ne Dr, Sagina uite A-9, Wix	w MI om MI		
SERVICE ORGANIZA	TION (CORPOR	RATE)	PROPERT	YNAME				
Vanguard Fire & Secur	ity		Name:	Name: WAYNE STATE - MANOOGIAN HALL				
2101 Martindale Ave. S	\$\ <b>\</b> \		Address:	Address: 906 W. WARREN				
Grand Rapids, MI 4950	9		DETROIT,	MI 48202				
			_					
Technician: JASON JOHNSTON		Owner Cor	ntact:	ROBERT RI	DLEY / DAV	D KUFFNER		
JASON ENGLE			Telephone	(313) 577-4345				
Telephone:	800-444-871	9	Approving Agency:		DETROIT FIRE DEPARTMENT		RTMENT	
			PRIOR TO ANY TES	TING				
NOTIFICATIONS		YES	PHONE NUMBERS	WHO	TIME			
BUILDING OCCUPANTS			313-684-0847	CARL			11:30AM	
BUILDING MANAGEMEN	<b>IT</b>	Χ	(313) 684-0898	ROBERT RIDLE	Y / DAVID KUI	FFNER	11:30AM	
MONITORING ENTITY		X		CAMPUS SECU	RITY		11:30AM	
2ND MONITORING ENTI	TV							
AHJ (NOTIFIED) OF IMP								
AHJ (NOTIFIED) OF IMP	AIRMENTS		SYSTEM INFORMAT	ION	I ve			
AHJ (NOTIFIED) OF IMP	AIRMENTS DN (GI)	10	SYSTEM INFORMAT	ION	YES	NO	N/A	
AHJ (NOTIFIED) OF IMP  GENERAL INFORMATIO  1. Is the building occ	AIRMENTS  ON (GI)  upied as in pas	1?	SYSTEM INFORMAT	ION	YES X	-	N/A	
AHJ (NOTIFIED) OF IMP  GENERAL INFORMATIO  1. Is the building occ  2. Is the building fully	AIRMENTS  ON (GI)  cupied as in pas / sprinkled?			ION	X	NO X	N/A	
GENERAL INFORMATIO  1. Is the building occ 2. Is the building fully 3. System(s) in servi	AIRMENTS  DN (GI)  upied as in pas y sprinkled?  ce without mod	fication sin	ce the last inspection?	ION	X	-	N/A	
GENERAL INFORMATION  1. Is the building occupated in the service of the service o	AIRMENTS  ON (GI)  upied as in pas  y sprinkled?  ce without mod  head box with y	fication sin	ce the last inspection? urely mounted?		X	-	N/A	
GENERAL INFORMATION  1. Is the building occupation of the service	AIRMENTS  ON (GI)  cupied as in pase of sprinkled? ce without mode head box with very minimum of 18"	fication sin vrench secu pelow sprin	ce the last inspection? urely mounted? kler heads & ceiling tile	s in place?	X X X	-	N/A	
GENERAL INFORMATION  1. Is the building occupant of the service of	AIRMENTS  PN (GI)  Pupied as in pase of the prinkled?  Ce without mode of the prinkled box with which in the prinkled box with th	fication sin vrench secu below sprin in 5-yr calib	ce the last inspection? urely mounted?	s in place?	X	-	N/A	



	•			
\/ A I	VE INFORMATION	VEC	NO	N/A
	Are all main control valves open?	YES	NO	N/A
1.	Main control valves open?  Main control valves in good condition and identified?	X		
2.	Are control valves secure?	X		
3.				
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		.,
7.	Valves lubricated?			X
e D D	INIVI ED & DIDING INFORMATION (CI)	YES	NO	N/A
	INKLER & PIPING INFORMATION (SI)  Are all sprinkler heads unobstructed?	-	NO	N/A
1.	· · ·	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
7.	System ID securely attached & legible?	X		
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)			X
15.	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
1.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
3.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
ORY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
3.	All dry valves have been trip tested & OK (See Table 3)			X
7.	Dry pipe valves are in heated area?	1		X
ι.				
<u>, .                                    </u>	Was customer informed that they need to drain all drum drips on a monthly basis?			X



T.	ABLE 1		AN	ITI-FREEZE I	_OOP					
	No.	Location o					No. of Heads	Type of	f Backflow	Temp
	-	N/A						,,,,,,		
ı		•						•		
T.	ABLE 2		M	AIN DRAIN 1	EST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	18	35						
	2.	2"	18	35						
	3.									
	4.									
	5.									
T	ABLE 3		DF	RY SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.		<u> </u>						l=o		
		rum Drain	_					Tested?	Yes	No
1.			GINEERS OFF	-ICE					X	
2.		R IN STAIR	VELL D STAND PIPE						X	
3. 4.			T SPRINKLE						X	
4.	II MECH I			Γ.						
								J		
Т	ARI F 4				ORMATION	ı				
Т	ABLE 4			L VALVE INF	ORMATION	ı I				
T	ABLE 4				FORMATION					Tamper
		of Valve			ORMATION Open	Secured	Sealed	Locked		-
		of Valve	CONTRO	L VALVE INF			Sealed N/A	Locked N/A		-
Qty	Туре	of Valve	CONTRO	L VALVE INF	Open	Secured			Supervised	Operationa
Qty 2	Type of BFP (OS& BYPASS (	of Valve (Y) (BFLY) (AD (BFLY)	CONTRO  Accessible  YES	L VALVE INF Signs YES	Open YES	Secured YES	N/A	N/A	Supervised YES	Operationa YES
Qty 2 3 1 1	Type of BFP (OS& BYPASS (TEST HEAP PUMP (OS	of Valve (Y) (BFLY) (AD (BFLY) (S&Y)	Accessible YES YES YES YES YES	Signs YES YES	Open YES YES	Secured YES YES	N/A N/A	N/A N/A	Supervised YES YES	Operationa YES YES
Qty 2 3 1 1 2	Type of BFP (OS& BYPASS (TEST HEAP PUMP (OS JOCKEY (	of Valve Y) BFLY) AD (BFLY) S&Y) OS&Y)	Accessible YES YES YES	Signs YES YES YES	Open YES YES N/C	Secured YES YES YES	N/A N/A N/A	N/A N/A N/A	Supervised YES YES YES	Operationa YES YES YES
Qty 2 3 1 1 2	Type of BFP (OS& BYPASS (TEST HEAP PUMP (OS	of Valve Y) BFLY) AD (BFLY) S&Y) OS&Y)	Accessible YES YES YES YES YES	Signs YES YES YES YES YES	Open YES YES N/C YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	Supervised YES YES YES YES YES	Operational YES YES YES YES YES
Qty 2 3 1 1 2 4	Type of BFP (OS& BYPASS ( TEST HEA PUMP (OS JOCKEY ( SECTIONA	of Valve (Y) (BFLY) (AD (BFLY) (S&Y) (OS&Y) (AL (BFLY)	Accessible YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES	Open YES YES N/C YES YES YES YES	Secured YES YES YES YES YES YES YES YES	N/A N/A N/A N/A Y	N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES N/A	Operationa YES YES YES YES YES N/A
Qty 2 3 1 1 2 4	Type of BFP (OS& BYPASS (TEST HEAP PUMP (OS JOCKEY (SECTION)	of Valve (Y) BFLY) AD (BFLY) S&Y) OS&Y) AL (BFLY)	Accessible YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES YES YES YES YES YES	Open YES YES N/C YES YES YES YES	Secured YES YES YES YES YES YES YES YES	N/A N/A N/A N/A Y N/A	N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES N/A YES	Operational YES YES YES YES YES N/A YES
Qty 2 3 1 1 2 4 T No.	Type of BFP (OS& BYPASS (TEST HEAP PUMP (OS JOCKEY (SECTION)  ABLE 5 PUR	of Valve (Y) (BFLY) (AD (BFLY) (S&Y) (OS&Y) (AL (BFLY) (BFLY) (BFLY)	CONTRO  Accessible YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES YES YES YES YES YES MECK VALV	Open YES YES N/C YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A Y N/A LAST INSPI	N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES YES N/A YES	Operationa YES YES YES YES YES N/A YES
Qty 2 3 1 1 2 4 T No.	Type of BFP (OS& BYPASS (TEST HEAP PUMP (OS JOCKEY (SECTION)  ABLE 5 PUR BACKFLO	of Valve (Y) (BFLY) (AD (BFLY) (S&Y) (OS&Y) (AL (BFLY) (BFLY) (BFLY)	Accessible YES YES YES YES YES YES YES ACKFLOW/C MFG AMES	Signs YES YES YES YES YES YES YES YES OF THE CK VALVE MODEL DCDA	Open YES YES N/C YES YES YES YES SE INFORMA SIZE 8"	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A Y N/A LAST INSPI	N/A N/A N/A N/A N/A N/A N/A CTED	Supervised YES YES YES YES N/A YES LOCA BASEMENT M	Operationa YES YES YES YES YES N/A YES ATION
Qty 2 3 1 1 2 4 T No. 1. 2.	Type of BFP (OS& BYPASS (TEST HEAP PUMP (OS JOCKEY (SECTION)  ABLE 5 PUR BACKFLO BYPASS	of Valve (Y) (BFLY) (AD (BFLY) (S&Y) (OS&Y) (AL (BFLY) (BFLY) (BFLY)	CONTRO  Accessible YES YES YES YES YES YES ACKFLOW/C MFG AMES VICTAULIC	Signs YES YES YES YES YES YES YES OF THE CK VALVE MODEL DCDA 717	Open YES YES N/C YES YES YES YES YES SIZE 8" 6"	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A Y N/A LAST INSPI	N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES N/A YES  LOCA BASEMENT M BASEMENT M	YES YES YES YES YES N/A YES ATION ECH ROOM
Qty 2 3 1 1 2 4 T No. 1. 2. 3.	Type of BFP (OS& BYPASS (TEST HEAP PUMP (OS JOCKEY (SECTION)  ABLE 5 PUR BACKFLO BYPASS PUMP	of Valve (Y) (BFLY) (AD (BFLY) (S&Y) (OS&Y) (AL (BFLY) (BFLY) (BFLY)	CONTRO  Accessible  YES  YES  YES  YES  YES  ACKFLOW/C  MFG  AMES  VICTAULIC  VICTAULIC	Signs YES YES YES YES YES YES YES AND AND AND AND AND AND AND AND AND AND	Open YES YES N/C YES YES YES YES SIZE 8" 6"	Secured   YES	N/A N/A N/A N/A Y N/A Y N/A LAST INSPI 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES N/A YES  LOCA BASEMENT M BASEMENT M BASEMENT M	YES YES YES YES YES N/A YES ATION ECH ROOM ECH ROOM
Qty 2 3 1 1 2 4 T No. 1. 2. 3.	Type of BFP (OS& BYPASS (ITEST HEAP PUMP (OS JOCKEY (ITESTION))  ABLE 5 PUR BACKFLO BYPASS PUMP JOCKEY	of Valve (Y) BFLY) AD (BFLY) S&Y) OS&Y) AL (BFLY)  POSE	CONTRO  Accessible YES YES YES YES YES YES YES VICTAULIC NIBCO	Signs YES YES YES YES YES YES YES YES THECK VALV MODEL DCDA 717 717 BRASS SWING	Open YES YES N/C YES YES YES YES  E INFORMA SIZE 8" 6" 6" 11/4"	Secured   YES	N/A N/A N/A N/A Y N/A Y N/A LAST INSPI 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A CONTRACTOR	Supervised YES YES YES YES N/A YES  LOC BASEMENT M BASEMENT M BASEMENT M BASEMENT M	Operationa YES YES YES YES N/A YES ATION ECH ROOM ECH ROOM ECH ROOM ECH ROOM
Qty 2 3 1 1 2 4 TNo. 1. 2. 3. 4. 5.	Type of BFP (OS& BYPASS (ITEST HEAP PUMP (OS JOCKEY (ISECTION))  ABLE 5 PUR BACKFLO BYPASS PUMP JOCKEY STANDPIF	of Valve (Y) (BFLY) (AD (BFLY) (S&Y) (OS&Y) (AL (BFLY) (BFLY) (BFLY) (BFLY) (BFLY) (BFLY)	CONTRO  Accessible YES YES YES YES YES YES YES VICTAULIC VICTAULIC VICTAULIC VIKING	Signs YES YES YES YES YES YES YES YES YES AND AND AND AND AND AND AND AND AND AND	Open YES YES N/C YES YES YES YES  THE INFORMA SIZE 8" 6" 6" 11/4" 6"	Secured   YES	N/A N/A N/A N/A Y N/A Y N/A LAST INSPI 2010 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A	Supervised YES YES YES YES N/A YES  BASEMENT M BASEMENT M BASEMENT M BASEMENT M BASEMENT M	YES YES YES YES N/A YES ATION ECH ROOM ECH ROOM ECH ROOM ECH ROOM ECH ROOM
Qty 2 3 1 1 2 4	Type of BFP (OS& BYPASS (ITEST HEAP PUMP (OS JOCKEY (ITESTION))  ABLE 5 PUR BACKFLO BYPASS PUMP JOCKEY	of Valve (Y) (BFLY) (AD (BFLY) (S&Y) (OS&Y) (AL (BFLY) (BFLY) (BFLY) (BFLY) (BFLY) (BFLY)	CONTRO  Accessible YES YES YES YES YES YES YES VICTAULIC NIBCO	Signs YES YES YES YES YES YES YES YES THECK VALV MODEL DCDA 717 717 BRASS SWING	Open YES YES N/C YES YES YES YES  E INFORMA SIZE 8" 6" 6" 11/4"	Secured   YES	N/A N/A N/A N/A Y N/A Y N/A LAST INSPI 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A  N/A	Supervised YES YES YES YES N/A YES  LOC BASEMENT M BASEMENT M BASEMENT M BASEMENT M	Operationa YES YES YES YES N/A YES ATION ECH ROOM ECH ROOM ECH ROOM ECH ROOM ECH ROOM ECH ROOM



		ON / OFF PRE		TORING		
YPE	YES	NO	TIME		COMMENTS	
LARM SIGNAL	X					
LARM RESTORAL	X					
ROUBLE SIGNAL	X					
ROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
		CATIONS TH	AT TESTING	IS COMPLETE		
YPE	YES			WHO		TIME
BUILDING OCCUPANTS	<del> </del>					
BUILDING MANAGEMENT	X		IDLEY / DAVI	D KUFFNER		2:00 PM
MONITORING ENTITY	X	CAMPUS S	ECURITY			2:00 PM
ND MONITORING ENTITY						
HJ (NOTIFIED) OF IMPAIRMENTS						
				ITH APPLICABLE N		
			TS AND R	<b>ECOMMENDA</b>	TIONS	
IOTE: ALARM PANEL LOCATED 1ST F	LOOR STAI	RWAY "C"				
CLOORS 2-5 HAVE CONTROL VALVES PRESSURE ON SYSTEM SIDE OVER 1		SWITCHES N	NEVER PUT I	NTO SERVICE. PRO	JECT RAN OUT OF	
				,,,,,,		FUNDING
SYSTEM RESTORED TO NORMAL OPI	ERATION		DATE	6/14/12		
	ERATION			6/14/12		
SYSTEM RESTORED TO NORMAL OPI	ERATION		DATE  JASON JOH	6/14/12		
	ERATION			6/14/12		
IAME OF INSPECTOR				6/14/12 NSTON		
NSPECTOR'S SIGNATURE	SENTATIVE		JASON JOH	6/14/12 NSTON		
IAME OF INSPECTOR  NSPECTOR'S SIGNATURE  IAME OF PROPERTY OWNER/REPRE	SENTATIVE	ATIVE	JASON JOH	6/14/12 NSTON FNER	2 TIME	FUNDING  2:00PM
IAME OF INSPECTOR  NSPECTOR'S SIGNATURE  IAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/RES  S system code compliant with occ	SENTATIVE REPRESENT	ATIVE	JASON JOH	6/14/12 NSTON  FNER  Yes or No	2 TIME	
IAME OF INSPECTOR  NSPECTOR'S SIGNATURE  IAME OF PROPERTY OWNER/REPRE	SENTATIVE REPRESENT cupancy & sons been consisted	Stored commorrected?	JASON JOH	6/14/12 NSTON FNER	2 TIME	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

				<b>-</b>	1		0144 0	
DATE:	6/14/12						e. SW, Gran ., Portage M	d Rapids MI II
ARRIVAL TIME:	11:30AM			X			Dr, Sagina	
				1 🗀			ite A-9, Wix	
WORK ORDER NUMBER:	244883			J [	1050 Ark	or Lech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATIO	N (CORPORA	ATE)		7	PROPER1	Y NAME		
Vanguard Fire & Security					Name:	MANOOG	IAN HALL -	155
2101 Martindale Ave. SW					Address:	906 W. W.		
							TATALIA	
Grand Rapids, MI 49509					DETROIT,	MI 48202		
				_				
Technician:	JASON JO	OHNSTON			Owner Co	ntact:	R. RIDLEY	/D KUFFNER
					Telephone	):	(313) 684-0	0898
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT.
			PRIOR TO AN		T			
NOTIFICATIONS		YES	PHONE N			WHO		TIME
BUILDING OCCUPANTS			313-68		carl			11:30AM
BUILDING MANAGEMENT		X	(313) 68	34-0898		DLEY/DAVID F	KUFFNER	11:30AM
MONITORING ENTITY 2ND MONITORING ENTITY		X			CAMPUS S	ECURITY		11:30AM
AHJ (NOTIFIED) OF ANY IM	IDAIDMENTS							
AND (NOTIFIED) OF ANY IIVI	PAIRIVIENTS							
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUM					
MANUFACTURER		AUROR		RATE GPM			1000	
MODEL				RATE PSI			150	
SERIAL NUMBER		04-11194	87	PSI @ 150%	6		128	
TYPE	SPL	ITCASE 5-4	181-11C	MAX PRES	SURE		172	
RATED RPM		3560		AUTO STAF	₹T		145	
IMPELLER SIZE		9.31		SATISFIED	PSI		175	
HORSE POWER		125		AUTO STO	)		NO	
WATER SUPPLY		CITY		RUN TIMER	}		N/A	
			FIRE PUMF		•	T		
MANUFACTURER		WEG		FRAME	404-5TS	RATED RP	M	3560
MODEL	1:	25360P3G4	04TS	VOLTAGE	460	HZ		60
SERIAL NUMBER		N/A		AMP	132	HORSE PC		125
TYPE		ELECTRI	С	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP	CONTROL				
MANUFACTURER	JOSLYN-CLARK	HORSE POWER RATING	3		125	
MODEL	D3C214-4	VOLTAGE			460	
SERIAL NUMBER	256550	AMP RMS		10	00,000	
	JOCKEY P	UMP DATA				
MANUFACTURER	GRUNDFOS	INLET/OUTLET SIZE			1¼"	
MODEL	CR-5	START PRESSURE (ON)	)		160	
SERIAL NUMBER	84200013	STOP PRESSURE (OFF)			205	
HORSE POWER	5	VOLTAGE	,		460	
		1				
	REMOTE ALAR	MS PROVIDED				
DISPLAYED AT	PANEL IN STAR "C"	PHASE REVERSAL			NO	
PUMP RUNNING	YES	PUMP ROOM LOW TEM	D		N/A	
AC LOSS OF POWER	YES	LOW DIESEL FUEL	ı		N/A	
AC LOSS OF FOWER	TES	LOW DIESEL FUEL			IN/A	
	FIRE PUMP T	EST DEDODT				
Inspection of Pump	FIRE PUIVIF I	EST REPORT	YES	NO	N/A	
System found in service?			X	NO	IN/A	
System round in service?     Fire pump controller in automatic service?	<u> </u>		X			
			X			
3. Jockey pump controller in service on auto	) (					
4. Is alarm panel clear?			X			
5. Is pump room secure?			X			
6. Heat, light and ventilation ok?			X			
7. Is pump room clean, dry and orderly?			X			
8. Ventilating louvers free to operate?					X	
9. Suction, discharge and bypass valves op			X			
10. Piping, valves and fittings free from leak	s?		X			
11. Main relief valve functions ok?			X			
Electronic Pump Inspection			YES	NO	N/A	
Isolation switch and circuit breaker exercit	sed?		X			
Diesel Pump Inspection			YES	NO	N/A	
Fuel tank at least two-thirds full?					X	
<ol><li>Controller selector switch in auto position</li></ol>	?				X	
3. Battery voltage and reading normal?					X	
4. Battery charging current reading normal?					X	
5. Battery terminal free from corrosion?					X	
6. Battery acid level ok?					X	
7. All alarm indicators off?					X	
8. Oil levels normal?					X	
9. Crankcase breather cleaned and ok?					Χ	
10. Water strainer cleaned?					Х	
11. Wire chafing inspected?					X	
12. Pressure recorder reset and graph paper	er present?				X	
13. Engine coolant level normal?					X	
14. Does Heat Exchanger Solenoid function	properly?				X	



		RE PUMP AND PIPING		YES	NO	N/A
1. Valves in proper position and in good cond	ition?			X		14,71
2. Are all valves listed for application?				X		
B. Valves locked, sealed or supervised?				X		
4. Are all valves tagged and identified?				X		
5. Jockey pump operational?				X		
6. Packing glands appear properly adjusted?				X		
7. Bi-monthly test records available?						X
B. Were automatic starts performed?				Х		
9. Were manual starts performed?				X		
10. Did automatic and manual <i>starts</i> and <i>stop</i>	ps function pro	pperly?		X		
1. Remote alarm conditions demonstrated?	oo ranoaon pro	, pony .		X		
12. Are drains operational and ok?				X		
13. Does fire pump shaft and coupling appear	r to be properly	/ aligned?		X		
14. Does jockey pump appear to be aligned o		,		X		
15. Does fire pump have casing relief valve a		tion properly?		X		
16. Is test header in good condition and drain		acti proporty:			X	
17. Supplying tank or reservoir appears to be		condition?				X
18. Tank water level ok?	iii dalloladidi y	oondidon.				X
19. At completion, was pump returned to auto	matic operation	n and all valves normal?	<del>)</del>	X		
20. Site personnel were offered instruction in				X		
21. Sensing lines for jockey and fire pump sep		110:		X		
22. Power transfer switch tested and ok?	Jaraic :			Λ		X
22. I Ower transfer switch tested and ok:						
	FLOV	V INSPECTION REPOR	·T			
Fire Pump Flow Test Report	1201	CHURN	100%	FLOW	1509	% FLOW
RPM During Test		3570	35			3560
Voltage During Test		470 472 470	470 46			468 469
Amperage During Test		76 78 76	120 11			140 138
amporage burning reac		101010	120 11	0 120	172	1 70 100
DATED NET LIEAD		150	1			
		100			1	32
		43	2	R		
SUCTION PRESSURE	_	43	3			
SUCTION PRESSURE DISCHARGE PRESSURE		190	19	3		152
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE NET HEAD	E			3		
SUCTION PRESSURE DISCHARGE PRESSURE NET HEAD	1000	190	19	3		152
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM	1000	190 147	19 15	55		152 120
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM  DUTLET A PITOT	1000	190 147 NA	19 15	355		152 120 750
RATED GPM DUTLET A PITOT DUTLET B PITOT	1000	190 147 NA NA	19 15	355		152 120
RATED GPM DUTLET A PITOT DUTLET C PITOT	1000	190 147 NA NA NA	19 15	355		152 120 750
RATED GPM DUTLET A PITOT DUTLET C PITOT DUTLET D PITOT	1000	190 147 NA NA NA NA	19 15	355		152 120 750
RATED GPM OUTLET A PITOT OUTLET C PITOT OUTLET D PITOT OUTLET D PITOT OUTLET D PITOT	1000	NA NA NA NA NA NA NA	19 15 50 50	33 55 33 33		152 120 750 750
RATED GPM OUTLET A PITOT OUTLET C PITOT OUTLET D PITOT OUTLET D PITOT OUTLET B PITOT OUTLET D PITOT OUTLET D PITOT OUTLET D PITOT	1000	190 147 NA NA NA NA	19 15 50 50	33 55 33 33 30 30 30 30		152 120 750 750
RATED GPM OUTLET A PITOT OUTLET C PITOT OUTLET D PITOT OUTLET D PITOT OUTLET D PITOT	1000	NA NA NA NA NA NA NA	19 15 50 50	33 55 33 33 30 30 30 30		152 120 750 750



		DIE	SEL BATTER	Y INSPECTION				
TYPE		V	ISUAL	FUNCTIO	NAL		COMME	NTS
BATTERY CONDITION			N/A					
VOLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
	<b>EMERGEN</b>	CY COMM	UNICATION E	QUIPMENT:ON/	OFF MO	NITORING		
TYPE	YES	NO	TIME			COMMEN	TS	
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL	X							
TROUBLE RESTORAL	X							
SUPERVISORY SIGNAL	X							
SUPERVISORY RESTORAL	X							
		NOTIFICA	TIONS THAT T	ESTING IS CON	<b>IPLETE</b>			
TYPE		YES		WHO				TIME
BUILDING OCCUPANTS			CARL					2:00PM
BUILDING MANAGEMENT		X	ROBERT RID	DLEY / DAVID KU	JFFNER			2:00PM
MONITORING ENTITY		Χ	<b>CAMPUS SE</b>	CURITY				2:00PM
ND MONITORING ENTITY								
ALLI (NIOTIELES) OF THE COLUMN								
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS							
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS							
		RFORME	D IN ACCORD	ANCE WITH AP	PLICABL	E NFPA ST	ANDARDS	
THIS TESTI	NG WAS PE							
THIS TESTII	NG WAS PE	OR'S CC	MMENTS	ANCE WITH AP				
THIS TESTII	NG WAS PE	OR'S CC	MMENTS					
	NG WAS PE	OR'S CC	MMENTS					
THIS TESTII	NG WAS PE	OR'S CC	MMENTS					
THIS TESTII	NG WAS PE	OR'S CC	MMENTS					
THIS TESTII	NG WAS PE	OR'S CC	MMENTS					
THIS TESTII	NG WAS PE	OR'S CC	MMENTS					
THIS TESTII	NG WAS PE	OR'S CC	MMENTS					
THIS TESTII  IN PUMP OPERATED PROPER	NG WAS PE ISPECTO LY AT TIM	OR'S CO	MMENTS		MMEN			2:00PM
THIS TESTII  IN PUMP OPERATED PROPER	NG WAS PE ISPECTO LY AT TIM	OR'S CO	MMENTS	AND RECO	MMEN	DATIONS		2:00PM
THIS TESTII	NG WAS PE ISPECTO LY AT TIM	OR'S CO	MMENTS	AND RECO	MMEN	DATIONS		2:00PM
THIS TESTII  IN  PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM	NG WAS PE ISPECTO LY AT TIM	OR'S CO	MMENTS	DATE	MMEN	DATIONS		2:00PM
THIS TESTII  IN  PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR	NG WAS PE ISPECTO LY AT TIM	OR'S CO	MMENTS	DATE	MMEN	DATIONS		2:00PM
THIS TESTII  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	NG WAS PE ISPECTO LY AT TIM	OR'S CO	MMENTS	DATE JASON JOHNS	MMENI 6/2	DATIONS		2:00PM
THIS TESTII  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	NG WAS PE ISPECTO LY AT TIM	OR'S CO	MMENTS	DATE	MMENI 6/2	DATIONS		2:00PM
THIS TESTII  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PE ISPECTO LY AT TIM	OR'S CO	OMMENTS ST	DATE JASON JOHNS	MMENI 6/2	DATIONS		2:00PM
THIS TESTII  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PE ISPECTO LY AT TIM	OR'S CO	OMMENTS ST	DATE JASON JOHNS	MMENI 6/2	DATIONS		2:00PM
THIS TESTII  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY OF	MAL OPERA	ATION  RESENTA	TIVE	DATE  JASON JOHNS  DAVID KUFFN	MMENI 6/2	DATIONS	TIME	2:00PM
THIS TESTII  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENT  SIGNATURE OF PROPERTY OF	MAL OPERA	ATION  RESENTA	TIVE ored commo	DATE  JASON JOHNS  DAVID KUFFN	MMENI 6/2	DATIONS  14/12  Yes or No	TIME	2:00PM
THIS TESTII  IN PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY O'  s system code compliant we have the noted deficiencies	MAL OPERATIVE WNER/REPAIRS	ATION  RESENTA  ancy & st s been co	TIVE ored commo	DATE  JASON JOHNS  DAVID KUFFN  dity?	MMENI 6/2	DATIONS  14/12  Yes or No Yes or No	TIME	2:00PM
THIS TESTII  IN  PUMP OPERATED PROPER  SYSTEM RESTORED TO NORM	MAL OPERATIVE WNER/REPAITH occupations been	ATION  RESENTA  ancy & st s been co	TIVE ored commo	DATE  JASON JOHNS  DAVID KUFFN  dity?	MMENI 6/2	DATIONS  14/12  Yes or No	TIME	2:00PM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER  SERVICE ORGANIZA  Vanguard Fire & Sector 2101 Martindale Ave.  Grand Rapids, MI 498	ATION (CORPO	RATE)		PROPER Name: Address: DETROIT	7646 1633 2822 1050	WAYNE STATE	, Portage M Dr, Sagina te A-9, Wixo Suite F, He	W MI om MI bron KY	
•			<del>-</del> 7						
Technician:	JASON JOH	HNSTON	-	Owner Co			RANDY / DA		ER
			-	Telephon			313-684-17		
Telephone:	800-444-87	19		Approving	g Age	ency:	DETROIT F	-IRE DEPA	RTMENT
			PRIOR TO	ANY TE	STIN	 G			
NOTIFICATIONS		YES	PHONE	NUMBERS	3		WHO		TIME
BUILDING OCCUPANT									
BUILDING MANAGEME		X	(313)	684-0855		RANDY / DAVID K			7:00AM
MONITORING ENTITY		X			C	CAMPUS SECUR	ITY		7:00AM
2ND MONITORING EN			+						
AHJ (NOTIFIED) OF IM	IPAIRMENTS		<u> </u>						<u> </u>
			SVSTEM	INFORMA	TION				
GENERAL INFORMAT	ION (GI)		SISIEM	IIII OINIMA	IIOIN		YES	NO	N/A
	ccupied as in pas	st?					X		1471
2. Is the building fu							Χ		
Ü	vice without mod	lification sin	ce the last ir	nspection?	?		X		
	d head box with v						X		
ů,	minimum of 18"						X		
<u> </u>	n good condition,		bration, and	showing n	orma	I pressures?	X		
<ol><li>7. Wet system area</li></ol>	as are adequately	y heated?					X		



AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
<u>4.</u>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.	Valves lubricated?	^		V
7.	valves lubricated?			X
200	INIZI ED 9 DIDING INFORMATION (CI)	VEC	NO	NI/A
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			Х
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are Backflow i revenuers / Check valves present (ii yes, complete rable o)			
Λ I Λ	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X	NO	IN/A
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
2	Air aupply in good working order?			X
	Air supply in good working order?			
3.				X
3. 4.	Were low points drained during fall & winter inspections?			
3. 4. 5.	Were low points drained during fall & winter inspections?  Are accelerator(s) in good condition?			X
2. 3. 4. 5. 6.	Were low points drained during fall & winter inspections?			



T	ABLE 1	I	AN'	TI-FREEZE	LOOP					
	No.	Location of					No. of Heads	Type of	Backflow	Temp
		N/A	ССБ					.,,,,,,		
		_						<u> </u>		
T	ABLE 2	Т	MA	AIN DRAIN	TEST					
	iser No.	Drain Size				Pressure (PSI)				
	1.	2	40		- reordan :	30				
	2.									
	3.									
	4.									
		<u> </u>								
Т	ABLE 3	I	DR	Y SYSTEM	TEST					
-	Valve					Starting Air			Trip Air	
No.	Size	Location of	of Dry Valve	Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A	-				<u>-</u>			
2.										
3.										
Loca	ation of D	rum Drain	s					Tested?	Yes	No
1.										
2.	IT - IN JAI	VITORS CLO	OSET 1ST FLC	)OP					X	
<b>Z</b> .			JOET TOT FLU	JUR						
3.	11 114 07 11	VII ORO OL	JOET TOT FEC	JOK				1		
3.	11 114 07 0	WITORO OLO	J3E1 131 FEC	JOK				<u>.</u>		
3.	11 114 07.11	WITORO OLO	JOET TOT FEC							
3. 4.	ABLE 4	T ONC OL			FORMATION	ı			^	
3. 4.					FORMATION	ı 				Tamper
3. 4. T.	ABLE 4		CONTROL	_ VALVE INI			Spaled	Locked		Tamper
3. 4. T.	ABLE 4	of Valve	CONTROL	- VALVE INI Signs	Open	Secured	Sealed	Locked	Supervised	Operationa
3. 4. T	ABLE 4  Type	of Valve	CONTROL Accessible YES	Signs YES	Open YES	Secured YES	YES	N/A	Supervised N/A	Operationa N/A
3. 4. T.	ABLE 4	of Valve	CONTROL	- VALVE INI Signs	Open	Secured			Supervised	Operationa
3. 4. T	ABLE 4  Type	of Valve	CONTROL Accessible YES	Signs YES	Open YES	Secured YES	YES	N/A	Supervised N/A	Operationa N/A
3. 4. T	ABLE 4  Type	of Valve	CONTROL Accessible YES	Signs YES	Open YES	Secured YES	YES	N/A	Supervised N/A	Operationa N/A
3. 4. T	ABLE 4  Type	of Valve	CONTROL Accessible YES	Signs YES	Open YES	Secured YES	YES	N/A	Supervised N/A	Operationa N/A
3. 4. T	ABLE 4  Type	of Valve	CONTROL Accessible YES	Signs YES	Open YES	Secured YES	YES	N/A	Supervised N/A	Operationa N/A
3. 4. T	ABLE 4  Type	of Valve S&Y) AL OS&Y	Accessible YES YES	Signs YES YES	Open YES YES	Secured YES YES	YES	N/A	Supervised N/A	Operationa N/A
3. 4. T. Qty 2 3	Type MAIN (OS SECTION	of Valve S&Y) AL OS&Y	CONTROL Accessible YES	Signs YES YES	Open YES YES	Secured YES YES	YES	N/A N/A	Supervised N/A YES	Operationa N/A
3. 4. T. Qty 2 3	ABLE 4  Type 6  MAIN (OS  SECTION  ABLE 5  PUR	of Valve 6&Y) AL OS&Y	CONTROL Accessible YES YES	Signs YES YES	Open YES YES VES	Secured YES YES	YES N/A	N/A N/A	Supervised N/A YES	Operationa N/A YES
3. 4. T. Qty 2 3	ABLE 4  Type 6  MAIN (OS  SECTION  ABLE 5  PUR	of Valve 6&Y) AL OS&Y	Accessible YES YES  BACKFLOW/C	Signs YES YES HECK VALV	Open YES YES YES	Secured YES YES TION YEAR	YES N/A	N/A N/A	Supervised N/A YES	Operationa N/A YES  ATION M BASEMENT
3. 4. T. Qty 2 3 T. No. 1. 2.	ABLE 4  Type ( MAIN (OS) SECTION  ABLE 5 PUR DETECTO	of Valve 6&Y) AL OS&Y	Accessible YES YES  BACKFLOW/CI MFG HERSEY	Signs YES YES HECK VALVE MODEL EDC III	Open YES YES  VE INFORMA SIZE 4"	Secured YES YES YES  ATION YEAR 1993	YES N/A LAST INSPI	N/A N/A	Supervised N/A YES  LOC/ BOILER ROOM	ATION M BASEMENT M BASEMENT
3. 4. T. Qty 2 3 T. No. 1. 2. 3.	ABLE 4  Type  MAIN (OS SECTION  ABLE 5 PUR DETECTO MAIN	of Valve 6&Y) AL OS&Y	Accessible YES YES  ACKFLOW/C MFG HERSEY NIBCO	Signs YES YES HECK VALVE MODEL EDC III WAFER	Open YES YES  /E INFORMA SIZE 4" 4"	Secured YES YES YES  ATION YEAR 1993 1993	YES N/A LAST INSPI 2010 2010	N/A N/A	Supervised N/A YES  LOC/ BOILER ROOM BOILER ROOM	ATION M BASEMENT M BASEMENT
3. 4. T. Qty 2 3 T. No. 1. 2. 3. 4.	ABLE 4  Type  MAIN (OS SECTION  ABLE 5 PUR DETECTO MAIN	of Valve 6&Y) AL OS&Y	Accessible YES YES  ACKFLOW/C MFG HERSEY NIBCO	Signs YES YES HECK VALVE MODEL EDC III WAFER	Open YES YES  /E INFORMA SIZE 4" 4"	Secured YES YES YES  ATION YEAR 1993 1993	YES N/A LAST INSPI 2010 2010	N/A N/A	Supervised N/A YES  LOC/ BOILER ROOM BOILER ROOM	ATION M BASEMENT M BASEMENT
3. 4. T. Qty 2 3	ABLE 4  Type  MAIN (OS SECTION  ABLE 5 PUR DETECTO MAIN	of Valve 6&Y) AL OS&Y	Accessible YES YES  ACKFLOW/C MFG HERSEY NIBCO	Signs YES YES HECK VALVE MODEL EDC III WAFER	Open YES YES  /E INFORMA SIZE 4" 4"	Secured YES YES YES  ATION YEAR 1993 1993	YES N/A LAST INSPI 2010 2010	N/A N/A	Supervised N/A YES  LOC/ BOILER ROOM BOILER ROOM	ATION M BASEMENT M BASEMENT
3. 4. T. Qty 2 3 T. No. 1. 2. 3. 4. 5.	ABLE 4  Type  MAIN (OS SECTION  ABLE 5 PUR DETECTO MAIN	of Valve 6&Y) AL OS&Y	Accessible YES YES  ACKFLOW/C MFG HERSEY NIBCO	Signs YES YES HECK VALVE MODEL EDC III WAFER	Open YES YES  /E INFORMA SIZE 4" 4"	Secured YES YES YES  ATION YEAR 1993 1993	YES N/A LAST INSPI 2010 2010	N/A N/A	Supervised N/A YES  LOC/ BOILER ROOM BOILER ROOM	Operationa N/A YES  ATION M BASEMENT M BASEMENT
T. Qty 2 3 3	ABLE 4  Type  MAIN (OS SECTION  ABLE 5 PUR DETECTO MAIN	of Valve 6&Y) AL OS&Y	Accessible YES YES  ACKFLOW/C MFG HERSEY NIBCO	Signs YES YES HECK VALVE MODEL EDC III WAFER	Open YES YES  /E INFORMA SIZE 4" 4"	Secured YES YES YES  ATION YEAR 1993 1993	YES N/A LAST INSPI 2010 2010	N/A N/A	Supervised N/A YES  LOC/ BOILER ROOM BOILER ROOM	Operationa N/A YES  ATION M BASEMENT M BASEMENT



		/ 0.55 55				
TVDE			EMISES MONIT	ORING	0014151170	
TYPE	YES	NO	TIME		COMMENTS	
ALARM SIGNAL ALARM RESTORAL	X					
TROUBLE SIGNAL	X	+	+	+		
TROUBLE SIGNAL TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X	+	+	+		
SUPERVISORY RESTORAL	X	+	+			
SUPERVISORT RESTORAL	^					
	NOTIFI	CATIONS TH	HAT TESTING I	S COMPLETE		
ГҮРЕ	YES		IAT ILSTINGT	WHO		TIME
BUILDING OCCUPANTS	112			*****		1 11VIL
BUILDING MANAGEMENT	X	PANDY / F	DAVID KUFFNE	D		7:30AM
MONITORING ENTITY	X		SECURITY	N.		7:30AM
2ND MONITORING ENTITY	^	UNIVIE US	SECONII I			i .SUAW
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING WA	AS PERFOR	MED IN ACC	ORDANCE WIT	TH APPLICABLE N	JEPA STANDAPD	<u> </u>
				COMMENDA		3
NO WRENCH IN SPARE HEAD BOX						
OULED DOOM NODELL CODNEDDY SYLT D		KI ED LINE DI				
					UNIO NIO COMEDACE	
BUILER ROOM NORTH CORNERBY EXIT D	OOR, SPRINI	KLER LINE PLI	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
	OOR, SPRINI	KLER LINE PLI	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
BOILER ROOM NORTH CORNERBY EXIT D ALL SIGNALS RECEIVED AND RESET	OOR, SPRINI	KLER LINE PLI	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
	OOR, SPRINI	KLER LINE PL	UGGED AND DIS	CONNECTED, LEAV	/ING NO COVERAGE	E IN THAT AREA
	OOR, SPRINI	KLER LINE PL	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
	OOR, SPRINI	KLER LINE PL	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
	OOR, SPRINI	KLER LINE PLI	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
	IOOR, SPRINI	KLER LINE PLI	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
	IOOR, SPRINI	KLER LINE PLI	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
	OOR, SPRINI	KLER LINE PL	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
ALL SIGNALS RECEIVED AND RESET		KLER LINE PL	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
ALL SIGNALS RECEIVED AND RESET		KLER LINE PL	UGGED AND DIS	CONNECTED, LEAV	ING NO COVERAGE	E IN THAT AREA
ALL SIGNALS RECEIVED AND RESET  NOTE: ALARM PANEL IS IN BASEMENT FC	I	KLER LINE PL				
ALL SIGNALS RECEIVED AND RESET  NOTE: ALARM PANEL IS IN BASEMENT FC	I	KLER LINE PL	DATE	6/15/1		
NOTE: ALARM PANEL IS IN BASEMENT FO	I	KLER LINE PL	DATE	6/15/1		
NOTE: ALARM PANEL IS IN BASEMENT FC	I	KLER LINE PL		6/15/1		
NOTE: ALARM PANEL IS IN BASEMENT FC SYSTEM RESTORED TO NORMAL OP	I	KLER LINE PL	DATE	6/15/1		
NOTE: ALARM PANEL IS IN BASEMENT FC SYSTEM RESTORED TO NORMAL OP	I	KLER LINE PL	DATE	6/15/1		
NOTE: ALARM PANEL IS IN BASEMENT FC SYSTEM RESTORED TO NORMAL OP	I	KLER LINE PL	DATE  JASON JOHN	6/15/1 ISTON		
NOTE: ALARM PANEL IS IN BASEMENT FC SYSTEM RESTORED TO NORMAL OP NAME OF INSPECTOR NSPECTOR'S SIGNATURE	ERATION		DATE	6/15/1 ISTON		
NOTE: ALARM PANEL IS IN BASEMENT FC  SYSTEM RESTORED TO NORMAL OP  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	ERATION		DATE  JASON JOHN	6/15/1 ISTON		
NOTE: ALARM PANEL IS IN BASEMENT FOR SYSTEM RESTORED TO NORMAL OPPOSED TO SPECTOR  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE	ERATION	<u> </u>	DATE  JASON JOHN	6/15/1 ISTON		
NOTE: ALARM PANEL IS IN BASEMENT FC SYSTEM RESTORED TO NORMAL OP NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPRE	ERATION ESENTATIVE	E	DATE  JASON JOHN  DAVID KUFF	6/15/1 ISTON NER	12 TIME	
NOTE: ALARM PANEL IS IN BASEMENT FO  SYSTEM RESTORED TO NORMAL OP  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/F	ERATION  ESENTATIVE  REPRESENT  Supancy &	E FATIVE	DATE  JASON JOHN  DAVID KUFF	6/15/1 ISTON  NER  Yes or No	12 TIME	
NOTE: ALARM PANEL IS IN BASEMENT FO  SYSTEM RESTORED TO NORMAL OP  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/REPRE  IS System code compliant with occ  Have the noted deficiencies/violati	ERATION  ESENTATIVE  REPRESENT  Supancy & sons been of	ETATIVE stored comporrected?	DATE  JASON JOHN  DAVID KUFF	6/15/1 ISTON NER	YES NO	
NOTE: ALARM PANEL IS IN BASEMENT FOR SYSTEM RESTORED TO NORMAL OP NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY OWNER/FESTINATURE OF STATE	ERATION  ESENTATIVE  REPRESENT  Supancy & sons been of	ETATIVE stored comporrected?	DATE  JASON JOHN  DAVID KUFF	6/15/1 ISTON  NER  Yes or No	12 TIME	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER  SERVICE ORGANIZ		RATE)	]	X	7646 1633 2822 1050	Martindale Ave 5 S. Sprinkle Rd 3 S. Champagne 21 Beck Rd., Sui ) Arbor Tech Dr.	., Portage M e Dr, Saginav ite A-9, Wixo	l v MI om MI	
Vanguard Fire & Sec	,	· · · · · · ·	1	Name: WAYNE STATE - MANUFACTURING E			TURING EN	GINEERING	
3	•							TORING ER	OIIVEERING
2101 Martindale Ave. SW				Address:		4815 FOURTH S	<u> </u>		
Grand Rapids, MI 49	509		]	DETROIT,	, MI	48202			
			_						
Technician: JASON JOHNSTON			Owner Co	ntac	t:	RICH / DAVI	D KUFFNER		
			]	Telephone:			(313) 684-0342		
Telephone:	800-444-871	19		Approving	g Age	ency:	DETROIT FIRE DEPARTMENT		
			PRIOR TO	ANV TEC	STINI	C			
NOTIFICATIONS		YES		NUMBERS		<u> </u>	WHO		TIME
BUILDING OCCUPANT	rs	120	THORE	HOMBERO			******		111112
BUILDING MANAGEM		X	(313)	(313) 684-0342 RICH / DAVID KI			UFFNER 11:00A		
MONITORING ENTITY	,	X	Ì		(	CAMPUS SECURITY			11:00AM
2ND MONITORING EN	ITITY								
AHJ (NOTIFIED) OF IM	1PAIRMENTS								
GENERAL INFORMAT			SYSTEM	INFORMAT	TION		YES	NO	N/A
	ccupied as in pas	t2					X	NO	N/A
Is the building full control of the strict building full control of the strict building full control of the strict building full control of the strict building full control of the strict building full control of the strict building of the strict building of the strict building full control of the strict building							X		
System(s) in service without modification since the last inspection?						X			
,	d head box with v						X		
	minimum of 18"				es in	place?		Χ	
ů ů	n good condition,		oration, and	showing no	orma	al pressures?	X		
7. Wet system area	as are adequately	/ heated?					X		



'AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X	Χ	
<u>2.</u> 3.	Are control valves secure?	X		
<u>4.</u>	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
5. 6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
<u>/.</u>	valves lubilicateu:			
DD	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X	NO	IVA
2.	Are sprinkler heads thoustructed:  Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
-		X		
4.	Are sprinkler heads of proper temperature rating?			
5.	Are riser(s) in good condition & unobstructed?	X		V
6.	Hydraulic nameplate in place and OK?	+		X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
				•
	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
მ.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
ORY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
2	Air supply in good working order?			X
	All supply in good working order?			
3.	Were low points drained during fall & winter inspections?			X
3. 1.				X
3. 4. 5.	Were low points drained during fall & winter inspections?			
2. 3. 4. 5. 6.	Were low points drained during fall & winter inspections? Are accelerator(s) in good condition?			X



T.	ABLE 1		AN	TI-FREEZE I	_OOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
T	ABLE 2		M	AIN DRAIN T	EST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	12			115				
	2.	2"	13	0		115				
	3.	2"	12	5		115				
	4.									
T	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.								T1-10		
		rum Drains	<u> </u>					Tested?	Yes	No
1.	IT X 3 AT	RISER							X	
^										
2.	IT INCID	E DOIL ED D	MONBOOE					-		
3.	IT - INSID	E BOILER R	M ON ROOF						X	
	IT - INSID	E BOILER R	M ON ROOF						X	
3. 4.		E BOILER R		VAI VE INE	ORMATION				X	
3. 4.	IT - INSID	E BOILER R		L VALVE INF	FORMATION	ı I			X	
3. 4.		E BOILER R		_ VALVE INF	FORMATION				X	Tamper
3. 4. T	ABLE 4	E BOILER R		L VALVE INF	ORMATION Open	Secured	Sealed	Locked	X	_
3. 4. T	ABLE 4	of Valve	CONTROI				Sealed N/A	Locked N/A	Supervised YES	_
3. 4. T	Type of MAIN (OS	of Valve S&Y)	CONTROI  Accessible  YES  YES	Signs YES YES	Open YES YES	Secured YES YES	N/A N/A	N/A N/A	Supervised YES YES	Operationa YES YES
3. 4. T Qty	Type of MAIN (OS PUMP (OS BYPASS (	of Valve 5&Y) 5&Y) BFLY)	Accessible YES YES YES	Signs YES YES YES	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	N/A N/A N/A	Supervised YES YES YES	Operationa YES YES YES
3. 4. T Qty 1 1 3 4	Type of MAIN (OS PUMP (OS BYPASS (SECTION)	of Valve S&Y) S&Y) BFLY) AL (BFLY)	Accessible YES YES YES YES YES	Signs YES YES YES NO	Open YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	Supervised YES YES YES YES YES	Operationa YES YES YES YES YES
3. 4. T Qty 1 1 3 4 3	Type of MAIN (OS PUMP (OS BYPASS (SECTION)	of Valve S&Y) S&Y) BFLY) AL (BFLY)	Accessible YES YES YES YES YES YES	Signs YES YES YES YES NO YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES	Supervised YES YES YES YES YES N/A	Operationa YES YES YES YES YES N/A
3. 4. T Qty 1 1 3 4	Type of MAIN (OS PUMP (OS BYPASS (SECTION)	of Valve S&Y) S&Y) BFLY) AL (BFLY)	Accessible YES YES YES YES YES	Signs YES YES YES NO	Open YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	Supervised YES YES YES YES YES	Operationa YES YES YES YES YES
3. 4. T Qty 1 1 3 4 3	Type of MAIN (OS PUMP (OS BYPASS (SECTION)	of Valve S&Y) S&Y) BFLY) AL (BFLY)	Accessible YES YES YES YES YES YES	Signs YES YES YES YES NO YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES	Supervised YES YES YES YES YES N/A	Operationa YES YES YES YES YES N/A
3. 4. T Qty 1 1 3 4 3 1	MAIN (OS PUMP (OS BYPASS ( SECTION, ELEVATOR JOCKEY (	of Valve S&Y) S&Y) BFLY) AL (BFLY) R (OS&Y) OS&Y)	Accessible YES YES YES YES YES YES YES YES	Signs YES YES YES NO YES YES	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES	Supervised YES YES YES YES YES N/A	YES YES YES YES YES YES N/A
3. 4. T Qty 1 1 3 4 3 1	MAIN (OS PUMP (OS BYPASS (SECTION, ELEVATOR JOCKEY (	of Valve S&Y) S&Y) BFLY) AL (BFLY) R (OS&Y) OS&Y)	Accessible YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES NO YES YES HECK VALV	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A YES	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A	YES YES YES YES YES N/A N/A
3. 4. T Qty 1 1 3 4 3 1	Type of MAIN (OS PUMP (OS BYPASS (SECTION, ELEVATOR JOCKEY (	of Valve S&Y) S&Y) BFLY) AL (BFLY) R (OS&Y) OS&Y)	CONTROI  Accessible YES YES YES YES YES YES ACKFLOW/C MFG	Signs YES YES YES NO YES YES HECK VALV	Open YES YES YES YES YES YES YES SE INFORMA	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A YES	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A	YES YES YES YES YES N/A N/A
3. 4. T Qty 1 1 3 4 3 1 T No.	Type of MAIN (OS PUMP (OS BYPASS (SECTION, ELEVATOR JOCKEY (MAIN)	of Valve S&Y) S&Y) BFLY) AL (BFLY) R (OS&Y) OS&Y)	Accessible YES YES YES YES YES YES ACKFLOW/C MFG HERSEY	Signs YES YES YES NO YES YES HECK VALV MODEL EDC III	Open YES YES YES YES YES YES YES SE INFORMA SIZE 6"	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A YES LAST INSPI	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A  LOCA OUTSIDE MEG	YES YES YES YES N/A N/A N/A  ATION CHANICAL RM
3. 4. T Qty 1 1 3 4 3 1 T No. 1. 2.	MAIN (OS PUMP (OS BYPASS (SECTION) ELEVATOR JOCKEY (MAIN BYPASS	of Valve S&Y) S&Y) BFLY) AL (BFLY) R (OS&Y) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES NO YES YES HECK VALV MODEL EDC III G-1	Open YES YES YES YES YES YES YES SIZE 6" 6"	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A YES LAST INSPI 2010 2010	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A OUTSIDE MEG	Operational YES YES YES YES N/A N/A N/A  ATION CHANICAL RM CHANICAL RM
3. 4. T Qty 1 1 3 4 3 1 T No. 1. 2. 3.	MAIN (OS PUMP (OS BYPASS (SECTION, ELEVATOR JOCKEY (MAIN BYPASS PUMP	of Valve S&Y) S&Y) BFLY) AL (BFLY) R (OS&Y) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES NO YES YES NO YES YES  HECK VALV MODEL EDC III G-1 KW900-W	Open YES YES YES YES YES YES SEINFORMA SIZE 6" 6" 6"	Secured           YES           YES           YES           YES           YES           YES           YES           YES           1990           1994           1995	N/A N/A N/A N/A N/A YES LAST INSPI 2010 2010 2010	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A OUTSIDE MEG	YES YES YES YES N/A N/A N/A  ATION CHANICAL RM CHANICAL RM CHANICAL RM
3. 4. T Qty 1 1 3 4 3 1 T No. 1. 2. 3.	MAIN (OS PUMP (OS BYPASS (SECTION, ELEVATOR JOCKEY (MAIN BYPASS PUMP FDC	of Valve S&Y) S&Y) BFLY) AL (BFLY) R (OS&Y) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES NO YES YES HECK VALV MODEL EDC III G-1 KW900-W CV-1-S	Open YES YES YES YES YES YES YES OF THE PROPERTY OF THE PROPER	Secured   YES	N/A N/A N/A N/A N/A YES LAST INSPI 2010 2010 2010 2010	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A OUTSIDE MECOUTSIDE M	YES YES YES YES N/A N/A N/A  ATION CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM
3. 4. T Qty 1 1 3 4 3 1 T No. 1. 2. 3. 4. 5.	ABLE 4  Type of MAIN (OS PUMP (OS BYPASS (SECTION, ELEVATOR JOCKEY (MAIN BYPASS PUMP FDC JOCKEY (MAIN B	of Valve S&Y) S&Y) BFLY) AL (BFLY) R (OS&Y) OS&Y) BROSE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES NO YES YES HECK VALV MODEL EDC III G-1 KW900-W CV-1-S SWING	Open YES YES YES YES YES YES YES OF THE PROBLEM OF	Secured   YES	N/A N/A N/A N/A N/A YES LAST INSPI 2010 2010 2010 2010 2010	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A OUTSIDE MECOUTSIDE M	YES YES YES YES N/A N/A N/A  ATION CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM
3. 4. T Qty 1 1 3 4 3 1 T No. 1. 2. 3.	ABLE 4  Type of MAIN (OS PUMP (OS BYPASS) (SECTION, ELEVATOR JOCKEY) (MAIN BYPASS PUMP FDC JOCKEY (SENSING	of Valve  S&Y)  S&Y)  BFLY)  AL (BFLY)  R (OS&Y)  OS&Y)  BROSE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES NO YES YES HECK VALV MODEL EDC III G-1 KW900-W CV-1-S	Open YES YES YES YES YES YES YES OF THE PROPERTY OF THE PROPER	Secured   YES	N/A N/A N/A N/A N/A YES LAST INSPI 2010 2010 2010 2010	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A OUTSIDE MECOUTSIDE M	YES YES YES YES N/A N/A N/A  ATION CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM
3. 4. T Qty 1 1 3 4 3 1 T No. 1. 2. 3. 4. 5.	ABLE 4  Type of MAIN (OS PUMP (OS BYPASS (SECTION, ELEVATOR JOCKEY (MAIN BYPASS PUMP FDC JOCKEY (MAIN B	of Valve  S&Y)  S&Y)  BFLY)  AL (BFLY)  R (OS&Y)  OS&Y)  BROSE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES NO YES YES HECK VALV MODEL EDC III G-1 KW900-W CV-1-S SWING	Open YES YES YES YES YES YES YES OF THE PROBLEM OF	Secured   YES	N/A N/A N/A N/A N/A YES LAST INSPI 2010 2010 2010 2010 2010	N/A N/A N/A N/A YES N/A	Supervised YES YES YES YES N/A N/A OUTSIDE MECOUTSIDE M	YES YES YES YES N/A N/A N/A  ATION CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM CHANICAL RM



	(	ON / OFF PRE	MISES MONI	ORING		
TYPE YES NO TIME COMMENTS						
ALARM SIGNAL	X					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
	NOTIF	CATIONS TH	AT TESTING I	S COMPLETE		
TYPE	YES			WHO	TIME	
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X	RICH / DAV	ID KUFFNER		2:00PM	
MONITORING ENTITY	X	CAMPUS SI	CAMPUS SECURITY		2:00PM	
2ND MONITORING ENTITY			•			
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING WA	S PERFOR	MED IN ACCO	ORDANCE WI	TH APPLICABLE NFPA STAND	DARDS	
INSPE	CTOR'S	COMMEN	TS AND R	COMMENDATIONS		

1 UPRIGHT SPRINKLER PENDANT POSITION SOUTH WALL OF AIR HANDLER ROOM ON ROOF CEILING TILES OUT IN 2ND FLOOR WORK ROOM

NO COVERAGE IN 18'X12' DARKROOM INSIE RM 1035

NO COVERAGE IN 18'X20' ACOUSTIC CHAMBER IN ROOM 1044

SYSTEM RESTORED TO NORMAL OPERATION	DATE	6/15/1	2 TIME	2:00PM
NAME OF INSPECTOR	JASON JOHN	STON		
INSPECTOR'S SIGNATURE				
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFN	IER		
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE				
		V. a. a. N.	lveo	
Is system code compliant with occupancy & stored co		Yes or No	YES	
Have the noted deficiencies/violations been corrected	?	Yes or No	NO	
Have the deficiencies/violations been authorized for re	pair?	Yes or No	YES	

If no, please explain reason:		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

				7	1		0144		
DATE:	6/15/12						e. SW, Gran I., Portage M	d Rapids MI II	
ARRIVAL TIME:	11:00AM			X			e Dr, Sagina		
				1 🗀			ite A-9, Wix		
WORK ORDER NUMBER:	244884			J [	1050 Art	oor Tech Dr	. Suite F, He	ebron KY	
SERVICE ORGANIZATIO	N (CORPORA	TE)		]	PROPERT	ΓΥ NAME			
Vanguard Fire & Security					Name:	MANUFAC	CTURING EI	NGINEERING	
2101 Martindale Ave. SW					Address:	4815 FOU	RTH ST		
							11111011		
Grand Rapids, MI 49509					DETROIT	, MI 48202			
	<u> </u>			7			T		
Technician:	JASON JO	OHNSTON		_	Owner Co	ntact:	RICH/DAV	ID KUFFNER	
					Telephone	e:	(313) 684-0	0342	
Telephone:	800-444-8	8719			Approving	Agency:	DETROIT	FIRE DEPT.	
			PRIOR TO AN		ı				
NOTIFICATIONS		YES	PHONE N	NUMBER		WHO		TIME	
BUILDING OCCUPANTS			(0.4.0), 0.0	24.0040	DIOLI/ DAY	UD IZLIEENE		11:00AM	
BUILDING MANAGEMENT MONITORING ENTITY		X	(313) 68	,			DAVID KUFFNER JS SECURITY		
2ND MONITORING ENTITY		Λ			CAIVII 03 C	DECORTI		11:00AM	
AHJ (NOTIFIED) OF ANY IM	PAIRMENTS								
					<u> </u>				
		FIRE PUM	P & JOCKEY	PUMP INFOR	MATION				
			FIRE PUM	IP DATA					
MANUFACTURER		ITT		RATE GPM 500					
MODEL		P-2494.2		RATE PSI		75			
SERIAL NUMBER	g	6-205854-0	1-01	PSI @ 150%	, 0	68			
TYPE		8100		MAX PRES	SURE	82			
RATED RPM		1770		AUTO STAF	RT	90			
IMPELLER SIZE		13.6		SATISFIED	PSI	135			
HORSE POWER		40		AUTO STO	)	YES			
WATER SUPPLY		CITY		RUN TIMER	}		10 MIN		
			FIRE PUMF		1	•			
MANUFACTURER		US ELECT	RIC	FRAME	324T	RATED RP	M	1775	
MODEL		R357B		VOLTAGE	460	HZ		60	
SERIAL NUMBER	Z	072135R098		AMP	47	HORSE PC		40	
TYPE		ELECTRI	С	PHASE	3	SERVICE F	ACTOR	1.15	



	FIRE PUMI	CONTROL			
MANUFACTURER	METRON	HORSE POWER RATING	3		40
MODEL	M300-40-460C	VOLTAGE		460	
SERIAL NUMBER	NE-9662771-01	AMP RMS		10	00,000
	JOCKEY F	PUMP DATA			
MANUFACTURER	PROCON	INLET/OUTLET SIZE			3/8"
MODEL		START PRESSURE (ON	)		105
SERIAL NUMBER	316P497	STOP PRESSURE (OFF)			128
HORSE POWER	Y3	VOLTAGE	,		115
	REMOTE ALA	RMS PROVIDED			
DISPLAYED AT	LOBBY PANEL	PHASE REVERSAL			NO
PUMP RUNNING	YES	PUMP ROOM LOW TEM	D		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL	<u> </u>		N/A
AC EOSS OF TOWER	TLO	EOW BIESEET GEE			IN/A
	EIDE DI IMP	TEST REPORT			
Inspection of Pump	FIRE PUIVIP	IESI KEPOKI	YES	NO	N/A
1. System found in service?			X	NO	IN/A
System found in service?     Fire pump controller in automatic service?	)		X		
			X		
3. Jockey pump controller in service on auto	) ?				
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves op			X		
10. Piping, valves and fittings free from leak	s?		X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exerci	sed?		X		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
2. Controller selector switch in auto position	?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
Crankcase breather cleaned and ok?					Χ
10. Water strainer cleaned?					Х
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph pape	r present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



. Valves in proper position and in good condition? . Are all valves listed for application? . Valves locked, sealed or supervised? . Are all valves tagged and identified? . Jockey pump operational? . Packing glands appear properly adjusted? . Bi-monthly test records available? . Were automatic starts performed? . Were manual starts performed? . Did automatic and manual starts and stops function properly? 1. Remote alarm conditions demonstrated? 2. Are drains operational and ok? 3. Does fire pump shaft and coupling appear to be properly aligned. Does jockey pump appear to be aligned ok?			X X X X X X X X X X X X X X X X	NO	N/A X
Are all valves listed for application?  Valves locked, sealed or supervised?  Are all valves tagged and identified?  Jockey pump operational?  Packing glands appear properly adjusted?  Bi-monthly test records available?  Were automatic starts performed?  Were manual starts performed?  Did automatic and manual starts and stops function properly?  Remote alarm conditions demonstrated?  Are drains operational and ok?  Does fire pump shaft and coupling appear to be properly aligned.  Does jockey pump appear to be aligned ok?			X X X X X X		X
. Valves locked, sealed or supervised? . Are all valves tagged and identified? . Jockey pump operational? . Packing glands appear properly adjusted? . Bi-monthly test records available? . Were automatic starts performed? . Were manual starts performed? 0. Did automatic and manual starts and stops function properly? 1. Remote alarm conditions demonstrated? 2. Are drains operational and ok? 3. Does fire pump shaft and coupling appear to be properly aligned. 4. Does jockey pump appear to be aligned ok?			X X X X X X		X
Are all valves tagged and identified?  Jockey pump operational?  Packing glands appear properly adjusted?  Bi-monthly test records available?  Were automatic starts performed?  Were manual starts performed?  Did automatic and manual starts and stops function properly?  Remote alarm conditions demonstrated?  Are drains operational and ok?  Does fire pump shaft and coupling appear to be properly aligned.  Does jockey pump appear to be aligned ok?			X X X X X		X
. Jockey pump operational? . Packing glands appear properly adjusted? . Bi-monthly test records available? . Were automatic starts performed? . Were manual starts performed? 0. Did automatic and manual starts and stops function properly? 1. Remote alarm conditions demonstrated? 2. Are drains operational and ok? 3. Does fire pump shaft and coupling appear to be properly aligned. 4. Does jockey pump appear to be aligned ok?			X X X X X		X
. Packing glands appear properly adjusted? . Bi-monthly test records available? . Were automatic starts performed? . Were manual starts performed? 0. Did automatic and manual starts and stops function properly? 1. Remote alarm conditions demonstrated? 2. Are drains operational and ok? 3. Does fire pump shaft and coupling appear to be properly aligned. 4. Does jockey pump appear to be aligned ok?			X X X X		X
Bi-monthly test records available?  Were automatic starts performed?  Were manual starts performed?  Did automatic and manual starts and stops function properly?  Remote alarm conditions demonstrated?  Are drains operational and ok?  Does fire pump shaft and coupling appear to be properly aligned.  Does jockey pump appear to be aligned ok?			X X X		X
. Were automatic starts performed? . Were manual starts performed? 0. Did automatic and manual starts and stops function properly? 1. Remote alarm conditions demonstrated? 2. Are drains operational and ok? 3. Does fire pump shaft and coupling appear to be properly aligned. 4. Does jockey pump appear to be aligned ok?			X X X		^
Were manual starts performed?  Description: Did automatic and manual starts and stops function properly?  Remote alarm conditions demonstrated?  Are drains operational and ok?  Does fire pump shaft and coupling appear to be properly aligned.  Does jockey pump appear to be aligned ok?			X X X		
D. Did automatic and manual starts and stops function properly?  D. Remote alarm conditions demonstrated?  D. Remote alarm conditions demonstrated?  Does fire pump shaft and coupling appear to be properly aligned.  Does jockey pump appear to be aligned ok?			X		
1. Remote alarm conditions demonstrated? 2. Are drains operational and ok? 3. Does fire pump shaft and coupling appear to be properly aligned. 4. Does jockey pump appear to be aligned ok?			Χ		
<ol> <li>Are drains operational and ok?</li> <li>Does fire pump shaft and coupling appear to be properly aligned.</li> <li>Does jockey pump appear to be aligned ok?</li> </ol>	ed?			I	
<ol> <li>Does fire pump shaft and coupling appear to be properly aligned.</li> <li>Does jockey pump appear to be aligned ok?</li> </ol>	ed?				
4. Does jockey pump appear to be aligned ok?	zu :		X	-	
			X	-	
5. Doge fire numb have easing relief valve and dogs it function or	operly?		X		
5. Does fire pump have casing relief valve and does it function pr 6. Is test header in good condition and drained?	openy :		X	-	
<ol> <li>Is test neader in good condition and drained?</li> <li>Supplying tank or reservoir appears to be in satisfactory condit</li> </ol>	tion?		^		X
7. Supplying talls of reservoir appears to be in satisfactory condi- 8. Tank water level ok?	IIOIT!				X
9. At completion, was pump returned to automatic operation and	all valves normal?		Χ		
Site personnel were offered instruction in pump operations?	all valves normal:		X		
1. Sensing lines for jockey and fire pump separate?			^	X	
2. Power transfer switch tested and ok?				^	Х
2.1 One, transfer emicri toded and on:					
FLOW INSE	PECTION REPORT	Г			
ire Pump Flow Test Report	CHURN	100% I	LOW	150%	FLOW
PM During Test	1790	178			780
	78 478 480	478 47	9 480	479 4	79 480
	18 18 19	36 38			12 42
ATED NET HEAD	75				
UCTION PRESSURE	36	36	3	3	30
ISCHARGE PRESSURE	123	11	2		06
NET HEAD	87	76			76
ATED GPM 500	0				
UTLET A PITOT	NA	50	3	7	50
UTLET B PITOT	NA		-		<u></u>
UTLET C PITOT	NA				
UTLET D PITOT	NA				
UTLET E PITOT	NA				
TOTAL FLOW	0	50	3	7	50
RATED % OF FLOW		101			50%

COMMENTS



TYPE

BATTERY CONDITION			N/A						
VOLTAGE									
BATTERY SIZE									
CHARGER VOLTAGE									
	EMERGEN	CY COMM	IUNICATION EC	QUIPMENT:ON	OFF MON	ITORING			
TYPE	YES	NO	TIME			COMMEN	ITS		
ALARM SIGNAL	X								
ALARM RESTORAL	X								
TROUBLE SIGNAL	X								
TROUBLE RESTORAL	X								
SUPERVISORY SIGNAL	X								
SUPERVISORY RESTORAL	X								
		NOTIFICA	TIONS THAT T	ESTING IS CO	MPLETE				
TYPE		YES		WHO				TIME	
BUILDING OCCUPANTS									
BUILDING MANAGEMENT		Х	RICH / DAVID	KUFFNER				2:00PM	
MONITORING ENTITY		X	CAMPUS SEC				2:00PM		
2ND MONITORING ENTITY				SO CLOCKITI					
	IRMENTS								
	IRMENTS								
AHJ (NOTIFIED) OF ANY IMPAI		RFORME	D IN ACCORDA	ANCE WITH AF	PPLICABLI	E NFPA ST/	ANDARDS		
AHJ (NOTIFIED) OF ANY IMPAI	NG WAS PE								
AHJ (NOTIFIED) OF ANY IMPAI THIS TESTI	NG WAS PE	OR'S CO	D IN ACCORDA						
AHJ (NOTIFIED) OF ANY IMPAI THIS TESTI	NG WAS PE	OR'S CO							
THIS TESTION  PUMP OPERATED PROPERLY	NG WAS PENSPECTO	OR'S CO	OMMENTS A						
THIS TESTION  PUMP OPERATED PROPERLY	NG WAS PENSPECTO	OR'S CO	OMMENTS A						
AHJ (NOTIFIED) OF ANY IMPAI	NG WAS PENSPECTO	OR'S CO	OMMENTS A						
THIS TESTION  PUMP OPERATED PROPERLY	NG WAS PENSPECTO	OR'S CO	OMMENTS A						
THIS TESTION  PUMP OPERATED PROPERLY	NG WAS PENSPECTO	OR'S CO	OMMENTS A						
THIS TESTION  PUMP OPERATED PROPERLY	NG WAS PENSPECTO	OR'S CO	OMMENTS A						
THIS TESTION  PUMP OPERATED PROPERLY NOTE: INSTALLED 2 1/2" VALV	NG WAS PE NSPECTO AT TIME OI 'E ON TEST	DR'S CO F TEST HEADER	OMMENTS A	AND RECO	MMEND	ATIONS		2:00PM	
THIS TESTION  PUMP OPERATED PROPERLY NOTE: INSTALLED 2 1/2" VALV	NG WAS PE NSPECTO AT TIME OI 'E ON TEST	DR'S CO F TEST HEADER	OMMENTS A		MMEND			2:00PM	
THIS TESTI  THIS TESTI  PUMP OPERATED PROPERLY NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NORI	NG WAS PE NSPECTO AT TIME OI 'E ON TEST	DR'S CO F TEST HEADER	OMMENTS A	AND RECO	6/15	ATIONS		2:00PM	
THIS TESTI  THIS TESTI  PUMP OPERATED PROPERLY NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NORI	NG WAS PE NSPECTO AT TIME OI 'E ON TEST	DR'S CO F TEST HEADER	OMMENTS A	DATE	6/15	ATIONS		2:00PM	
THIS TESTI  THIS TESTI  PUMP OPERATED PROPERLY NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NOR!	NG WAS PE NSPECTO AT TIME OI 'E ON TEST	DR'S CO F TEST HEADER	OMMENTS A	DATE	6/15	ATIONS		2:00PM	
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	NG WAS PENSPECTO AT TIME OF	DR'S CO F TEST HEADER	OMMENTS A	DATE JASON JOHN	6/15	ATIONS		2:00PM	
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	NG WAS PENSPECTO AT TIME OF	DR'S CO F TEST HEADER	OMMENTS A	DATE JASON JOHN	6/15	ATIONS		2:00PM	
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NOR!  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PE NSPECTO AT TIME OF YE ON TEST	DR'S CO F TEST HEADER	- 2012	DATE JASON JOHN	6/15	ATIONS		2:00PM	
THIS TESTI  THIS TESTI  IN  PUMP OPERATED PROPERLY  NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NOR!  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PE NSPECTO AT TIME OF YE ON TEST	DR'S CO F TEST HEADER	- 2012	DATE JASON JOHN	6/15	ATIONS		2:00PM	
THIS TESTI  THIS TESTI  IN PUMP OPERATED PROPERLY NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NORI NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PE NSPECTO AT TIME OF TENT TO THE TO	TION  RESENTA	- 2012	DATE  JASON JOHN DAVID KUFFN	6/15 ISTON	DATIONS 5/12	TIME	2:00PM	
THIS TESTI  THIS TESTI  PUMP OPERATED PROPERLY NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NORI NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENTED SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATU	NG WAS PE NSPECTO AT TIME OF AT T	PR'S CONTROL OF TEST HEADER ATION RESENTA	- 2012	DATE  JASON JOHN DAVID KUFFN	6/15 ISTON NER	5/12 Yes or No	TIME	2:00PM	
THIS TESTI  THIS TESTI  PUMP OPERATED PROPERLY  NOTE: INSTALLED 2 1/2" VALV  SYSTEM RESTORED TO NOR!  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENT  SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF S	NG WAS PE NSPECTO AT TIME OF AT T	ATION  RESENTA  ancy & st s been co	- 2012 ATIVE	DATE  JASON JOHN  DAVID KUFFN	6/15 ISTON NER	Yes or No	TIME YES NO	2:00PM	
THIS TESTION  PUMP OPERATED PROPERLY	NG WAS PE NSPECTO AT TIME OF TE ON TEST  MAL OPERA  NTATIVE WHER/REP with occupa s/violations tions been	ATION  RESENTA  ancy & st s been co	- 2012 ATIVE	DATE  JASON JOHN  DAVID KUFFN	6/15 ISTON NER	5/12 Yes or No	TIME YES NO	2:00PM	

DIESEL BATTERY INSPECTION

**FUNCTIONAL** 

VISUAL



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZAT  Vanguard Fire & Securi	,	ATE)	] ] -	X	764( 163; 282; 105( TY N	in Martindale Ave 6 S. Sprinkle Rd 3 S. Champagne 21 Beck Rd., Sui 0 Arbor Tech Dr.	., Portage M b Dr, Sagina te A-9, Wixo Suite F, He	I w MI om MI bron KY	
2101 Martindale Ave. S								VELITINO	
2101 Martindale Ave. 5	VV			Address:		818 W. HANCO	<u>JN</u>		
Grand Rapids, MI 4950	9			DETROIT	, MI	48202			
Technician:	JASON JOHN	ISTON		Owner Co	ntac	ot:	RICH / DAVI	D KUFFNER	
	1			Telephone	e:		(313) 684-0	342	
Telephone:	800-444-8719			Approving	) Age	ency:	DETROIT F	FIRE DEPAI	RTMENT
			PRIOR TO	ANY TES	STIN	IG			
NOTIFICATIONS		YES		NUMBERS		<u> </u>	WHO		TIME
BUILDING OCCUPANTS									
BUILDING MANAGEMEN	Т	X	(313)	684-0342		RICH / DAVID KU			1:00PM
MONITORING ENTITY		X				CAMPUS SECUR	ITY		1:00PM
2ND MONITORING ENTIT									
AHJ (NOTIFIED) OF IMPA	AIRMENTS								
			SYSTEM	INFORMA	TION	<u> </u>			
GENERAL INFORMATIO	N (GI)		0.0.2				YES	NO	N/A
1. Is the building occu		)					X		
2. Is the building fully	sprinkled?						X		
<ol><li>System(s) in service</li></ol>					ı		X		
4. Spare heads and h								Χ	
<ol><li>Stock/Storage a m</li></ol>								X	
6. Are all gauges in g			oration, and	showing n	orma	al pressures?	X		
7. Wet system areas	are adequately l	neated?						X	



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?		Χ	
4.	Are all control valves accessible & free from external leaks?		X	
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?		Χ	
7.	Valves lubricated?		Α	X
<u>,</u>	Valvoo labiloatoa.			
SPR	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	1.20	X	147
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X	Α	
3.	Are all sprinkler heads less than 50 years old?	^	Χ	
4.	Are sprinkler heads of proper temperature rating?	Х		
5.	Are riser(s) in good condition & unobstructed?	X		<del>                                     </del>
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?	^		X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?	+		X
	Fire Department Connection (FDC) & Caps OK?	X		^
	FDC equipped with ball drip? (if yes, in good working order?)	^	X	
	Was Main Drain Test performed? (See Table 2)	X	^	
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Ale Backilow Fleveriters / Check Valves present (ii yes, complete Table 3)	^		
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	IES	X	IN/A
	Did Central Station receive Flow Alarm Test?	X		
2.	Did Central Station receive Flow Alarm Test?  Did Central Station receive Tamper Test?	^		X
3. 4	·	+		^
4. -	Are alarm devices free from physical damage & all electrical connections secure?		X	
5.	Is alarm valve trim OK & set properly?	X		
6. 7.	No leakage from retard chambers or alarm drains?	X		
<i>/</i> .	Was Inspector Test performed and results OK?	<u> </u>		
	PIDE OVATEM INADECTION (DI)		N.O.	
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
<del>1</del> .	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
3.	All dry valves have been trip tested & OK (See Table 3)			X
7	Dry pipe valves are in heated area?			X
7. 8	Was customer informed that they need to drain all drum drips on a monthly basis?			X



	<u> </u>									
т	ABLE 1		AN'	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A						.,,,,,,		
		,, .								
		_						<u> </u>		
T.	ABLE 2		MA	AIN DRAIN	TEST					
	iser No.	Drain Size				Pressure (PSI)				
	1.	2"	48			44				
	2.	2"	55			44				
	3.									
	4.									
		<u> </u>			<u> </u>					
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.										
Loc		rum Drain						Tested?	Yes	No
1.	IT - 2ND F	LR BY COP	IER WEST SIE	DE					X	
2.										
3.	IT - LOAD	ING DOCK I	PIPE STORER	OOM					X	
4.										
T.	ABLE 4		CONTROL	. VALVE INI	FORMATION	1			T	1
										Tompor
Otv	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Tamper Operational
Qty 2	MAIN (OS		NO	Signs YES	YES	NO	NO	N/A	N/A	N/A
2		AL (OS&Y)	YES	YES	YES	YES	YES	N/A	N/A	N/A
1	GLOBE	AL (USAT)	YES	YES	YES	YES	YES	NA NA	NA NA	NA NA
	GLOBE		TES	ILO	TES	TES	TES	INA	INA	INA
	<del> </del>				<del> </del>			<del> </del>		
т	ABLE 5		ACKFLOW/CI	HECK VALV	/F INFORMA	TION				
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSP	FCTFD	LOC	ATION
	MAIN	. OUL	HERSEY	EDC	JILL	ILAN	LAUT INGF		IN PIT IN RISE	
1				В	8"	1924			IN ROOM 121:	
		HECK	RULAWALI II II I	U	U				THE INCOME 12 IS	
2.	ALARM C		ROCKWOOD		5"	1023			IN ROOM 121	3
2. 3.	ALARM C		ROCKWOOD	В	5" 4"	1923			IN ROOM 121:	
1. 2. 3. 4.	ALARM C				5" 4"	1923			IN ROOM 121: IN PIT IN RISE	
2. 3. 4. 5.	ALARM C					1923				
2. 3. 4. 5. 6.	ALARM C					1923				
2. 3. 4. 5.	ALARM C					1923				



ON / OFF PREMISES MONITORING						
TYPE	YES	NO	TIME	COMMENTS		
ALARM SIGNAL	X			ONLY TO POLICE DEPT. THROUGH PHONE SYSTEM		
ALARM RESTORAL	X			NOW TIED INTO SIMPLEX PANEL		
TROUBLE SIGNAL						
TROUBLE RESTORAL						
SUPERVISORY SIGNAL						
SUPERVISORY RESTORAL						

# TYPE YES WHO TIME BUILDING OCCUPANTS BUILDING MANAGEMENT X RICH/DAVID KUFFNER 3:30PM MONITORING ENTITY X CAMPUS SECURITY 3:30PM 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS

### THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS INSPECTOR'S COMMENTS AND RECOMMENDATIONS

BUILDING IN PROCESS OF HAVING A NEW FIRE ALARM INSTALLED. OLD 110V SYSTEM IS REMOVED ONLY MONITERED FLOW DEVICE IS ON 2ND FLOOR WEST IN OFFICE BY COPY MACHINE

THERE ARE NO TAMPER SWITCHS OR FLOW SWITCHES INSTALLED IN RM 1213 FOR THE NEW FIRE ALARM SPRINKLER PORTION VALVED IN PIT ARE CORRODED AND PIT IS CONSIDERED A CONFINED SPACE

TIME TO ALARM 2ND FLOOR WEST FLOW IS 22 SECONDS, ONLY GOES DIRECTLY TO POLICE DEPARTMENT

THERE ARE MANY 1956 DATED SPRINKLERS IN BUILDING OLDER THEN 50 YEARS

SYSTEM STILL HAS HEADS PIPED FROM 3/4" PIPING

SYSTEM HAS SPRINKLER HEADS ABOVE DROP CEILINGS AND NOT COVERING BELOW THEM

1 HEAD TO CLOSE TO PARTITION WALL. IT IS WITHIN 4" IN RM 1329 - HEAD OBSTRUCTED BY LIGHT IN ELECTRICAL RM 1329

NO COVERAGE UNDER GARAGE DOORS ON 1ST FLOOR IN TEST ROOMS

5" OSY FOR RISER 2 NEEDS REPACKED

PIPING IN WEST STAIRWELL LEADING TO ROOF. WRAPPED IN HEAT TAPE

INSTALLED TAMPER SEALS ON OS&Y VALVES IN RISER RM 1213 UNTIL TAMPER SWITCHES ARE ADDED



OVOTEN DEGTODED TO NORMAL ODER	A.T.O.V.		0/45/	10	T1345	0.00004
SYSTEM RESTORED TO NORMAL OPERA	ATION DATE		8/15/	12	TIME	2:00PM
NAME OF INSPECTOR	JASOI	N JOHNS	STON			
INSPECTOR'S SIGNATURE						
NAME OF PROPERTY OWNER/REPRESE	NTATIVE DAVID	) KUFFNI	ER			
SIGNATURE OF PROPERTY OWNER/REP	PRESENTATIVE					
Is system code compliant with occup	ancy & stored commodity	?	Yes or No	YES		
Have the noted deficiencies/violations	s been corrected?		Yes or No	NO		
Have the deficiencies/violations been	authorized for repair?		Yes or No	YES		
If no, please explain reason:	•			•		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZAT	8/15/2012 1:00PM 244878	ATE)	] ] ] [	X 1 2	101 Martindale Av 646 S. Sprinkle R 633 S. Champagr 8221 Beck Rd., S 050 Arbor Tech D	d., Portage M ne Dr, Sagina uite A-9, Wixo	II w MI om MI		
Vanguard Fire & Securit	tv			Name:	WAYNE STAT	E - HILLBERI	RY THEATE	R - 189	
2101 Martindale Ave. S\				Address:	4743 CASS				
			l É		<b></b>				
Grand Rapids, MI 49509	9		] [	DETROIT,	MI 48202				
			,						
Technician: JASON JOHNSTON				Owner Cor	ntact:	DAVID KUF	DAVID KUFFNER		
			]	Telephone:	:	313-268-23	371		
Telephone:	800-444-871	9		Approving .		DETROIT F	FIRE DEPA	RTMENT	
			PRIOR TO	ANY TES	TING				
NOTIFICATIONS	T	YES		IUMBERS		WHO		TIME	
BUILDING OCCUPANTS			313-68	4-7804	TONY			1:00PM	
BUILDING MANAGEMEN	Т	Χ	(313) 20	68-2371	STEVE / DAVID	KUFFNER		1:00PM	
MONITORING ENTITY		Χ			CAMPUS SECU	RITY		1:00PM	
2ND MONITORING ENTIT									
AHJ (NOTIFIED) OF IMPA	AIRMENTS								
OFNEDAL INFORMATION	N. (OI)		SYSTEMI	NFORMAT	ION	\/F0	NO	1	
GENERAL INFORMATION	_ ` '					YES	NO		
<ol> <li>Is the building occu</li> <li>Is the building fully</li> </ol>		. (				X	X		
<ol> <li>Is the building fully</li> <li>System(s) in service</li> </ol>		fication sin	ca the last in	enaction?		X	٨		
System(s) in service     Spare heads and h				•		X			
5. Stock/Storage a mi					s in place?	^	X		
6. Are all gauges in g								<del>                                     </del>	
	ooa condition. I	n 5-yr call	oration, and s	howing no	rmal pressures?	X			
7. Wet system areas			oration, and s	howing no	rmal pressures?	X			



'AL'	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
	Main control valves in good condition and identified?		Χ	
	Are control valves secure?	X		
	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
	Valves lubricated?	^		X
<i>/</i> .	valves lublicated:			
DD	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X	110	IN/A
	Are sprinkler heads thoustracted:  Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	·	X		
	Are sprinkler heads of proper temperature rating?			
	Are riser(s) in good condition & unobstructed?	X		V
	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)		X	
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ΙΔΙ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	110	14/7
<u>.                                    </u>	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?	X		
<u>.                                    </u>	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
<u>.                                    </u>	Was Inspector Test performed and results OK?	X		^
	was inspector rest performed and results OK?	^		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?	1.50	110	X
<u>.                                      </u>	Pressure & priming water OK?	+		X
	Air supply in good working order?	+		X
	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?	+		
		+		X
	All dry valves have been trip tested & OK (See Table 3)	+		X
	Dry pipe valves are in heated area? Was customer informed that they need to drain all drum drips on a monthly basis?			X
}	Was suctomor intermed that they need to drain all drum drine on a monthly hagin?			X



T	ABLE 1		AN	TI-FREEZE	LOOP					
	No.	Location o	f Loop				No. of Heads	Type of	f Backflow	Temp
		N/A								
		1								
	ABLE 2			AIN DRAIN		- <del></del>				
R	iser No.	Drain Size	Static Pres		Residual F	Pressure (PSI)				
	1. 2.	2	90	)						
	3.	ITV -	3DD I	ELD DM SW	CODNED B	Y WINDOW				
	4.	11 V -	SIND I	LIX IXIVI OVV	CORNER	T WINDOW				
	-11				<u> </u>					
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A							1	
2.	ļ									
3.		L						l=o		
		rum Drains		214/0				Tested?	Yes	No
1.	II 3RD FL	R SW COR	NER BY WIND	OWO					X	35 SEC
2. 3.								-		
3. 4.									_	
7.								J		
T	ABLE 4		CONTROL	VALVE INI	FORMATION	I				
		•								
										Tamper
Qty		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	+	Operational
2	MAIN (OS&		YES	YES	YES	YES	YES	N/A	N/A	N/A
2	PUMP (OS		YES	YES	YES	YES	YES	N/A	N/A	N/A
2	BYPASS (C JOCKEY (C		YES YES	YES YES	YES YES	YES YES	YES YES	N/A N/A	N/A N/A	N/A N/A
1		DER (OS&Y)	YES	YES	N/C	YES	YES	N/A	N/A	N/A
•	TESTTICAL	DER (OSAT)	TEO	TLO	IV/C	TES	TLO	IN//A	IN/A	IN/A
Т	ABLE 5	В	ACKFLOW/C	HECK VALV	'E INFORMA	TION				
No.	PUR	POSE	MFG	MODEL	SIZE	YEAR	LAST INSPE	ECTED	LOC	ATION
1.	DETECTO	R CHECK	VIKING	C-1	6"	1970			AIR PLENUM	EAST
2.		R BYPASS	U/S	SWING	3/4"	1970			AIR PLENUM	EAST
3.	PUMP		KENNEDY	UT	6"	1970	2010		BASEMENT R	
4.	BYPASS		TCIW	6806B	6"	1970	2010		BASEMENT R	
5.	JOCKEY		U/S	SWING	3/4"	1970	2010		BASEMENT R	
_				00004	4"	1070	2010		TAID DIENUINA	EACT
6.	FDC		TCIW	6806A	4	1970	2010		AIR PLENUM	EAST
6. 7.	FDC		TCIW	6806A	4	1970	2010		AIR PLENUM	EAST



	(	ON / OFF PR	EMISES MONI	TORING		
TYPE	YES	NO NO	TIME	1	COMMENT	S
ALARM SIGNAL	X					-
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
	NOTIFI	CATIONS TH	HAT TESTING I	S COMPLETE		
ТҮРЕ	YES	CATIONS II	TAT TESTING	WHO		TIME
BUILDING OCCUPANTS	X	TONY		WIIO		8:30AM
BUILDING MANAGEMENT	X	DAVID KU	FFNFR			8:30AM
MONITORING ENTITY	X		SECURITY			8:30AM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING W	AS PERFOR	MED IN ACC	ORDANCE WI	TH APPLICABLE N	NFPA STANDARI	DS
INSP	ECTOR'S	COMMEN	ITS AND R	ECOMMENDA	TIONS	
TIME TO ALARM 35 SECS						
2) 5 YR CHECKS UNABLE TO DO. 6" OS&	Y WOULD NO	TISOLATE SY	STEM. NEED RE	PLACED (CITY SHU	T OFF)	
			•	PLACED (CITY SHU	T OFF)	
			•	PLACED (CITY SHU	T OFF)	
COSTUME HANGER PIP HANGING FROM	SPRINKLER P		•	PLACED (CITY SHU	T OFF)	
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM	SPRINKLER P	PIPING IN RM 2	207	·	T OFF)	
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NE	SPRINKLER P 1 EED TO BE RE	PIPING IN RM 2	207 BUILDING IS ONL	Y 95% SPRINKLED	,	
(2) 5 YR CHECKS UNABLE TO DO, 6" OS& COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NEDRAIN OUTSIDE PUMP ROOM DOES NOT	SPRINKLER P 1 EED TO BE RE	PIPING IN RM 2	207 BUILDING IS ONL	Y 95% SPRINKLED	,	
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NE	SPRINKLER P 1 EED TO BE RE	PIPING IN RM 2	207 BUILDING IS ONL	Y 95% SPRINKLED	,	
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NE	SPRINKLER P 1 EED TO BE RE	PIPING IN RM 2	207 BUILDING IS ONL	Y 95% SPRINKLED	,	
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NE	SPRINKLER P 1 EED TO BE RE	PIPING IN RM 2	207 BUILDING IS ONL	Y 95% SPRINKLED	,	
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM 4) CONTROL VALVES IN PUMP ROOM NE	SPRINKLER P 1 EED TO BE RE	PIPING IN RM 2	207 BUILDING IS ONL	Y 95% SPRINKLED	,	
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM 4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT	SPRINKLER P 1 EED TO BE RE I TAKE FULL F	PIPING IN RM 2	207 BUILDING IS ONL	Y 95% SPRINKLED	N PUMP ROOM	<b>1E</b> 8:30AN
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM 4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT	SPRINKLER P 1 EED TO BE RE I TAKE FULL F	PIPING IN RM 2	BUILDING IS ONL DODS ROOM - 1	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	<b>1E</b> 8:30AN
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT	SPRINKLER P 1 EED TO BE RE I TAKE FULL F	PIPING IN RM 2	BUILDING IS ONL	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	<b>1E</b> 8:30AM
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM 4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT  SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR	SPRINKLER P 1 EED TO BE RE I TAKE FULL F	PIPING IN RM 2	BUILDING IS ONL DODS ROOM - 1	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	<b>1E</b> 8:30AM
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT  SYSTEM RESTORED TO NORMAL OF  NAME OF INSPECTOR	SPRINKLER P 1 EED TO BE RE I TAKE FULL F	PIPING IN RM 2	BUILDING IS ONL DODS ROOM - 1	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	<b>1E</b> 8:30AN
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM 4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT  SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	SPRINKLER P	PLACED - B	DATE  JASON JOHN	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	<b>1E</b> 8:30AM
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NE	SPRINKLER P	PLACED - B	BUILDING IS ONL DODS ROOM - 1	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	<b>1E</b> 8:30AM
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM (4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT  SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	SPRINKLER P	PLACED - BLOW AND FLO	DATE  JASON JOHN	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	<b>1E</b> 8:30AM
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM 4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT  SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPR	SPRINKLER P	PLACED - BLOW AND FLO	DATE  JASON JOHN	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	<b>1E</b> 8:30AN
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM 4) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT  SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPR  SIGNATURE OF PROPERTY OWNER/	SPRINKLER P	PLACED - BLOW AND FLO	DATE  JASON JOHN  DAVID KUFF	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/	N PUMP ROOM	1E 8:30AN
COSTUME HANGER PIP HANGING FROM 18" RULE IN OFFICE MECHANICAL ROOM 14) CONTROL VALVES IN PUMP ROOM NE DRAIN OUTSIDE PUMP ROOM DOES NOT  SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPR	SPRINKLER PORT  EED TO BE RE  TTAKE FULL F  PERATION  ESENTATIVE  //REPRESENT	PLACED - BLOW AND FLO	DATE  JASON JOHN  DAVID KUFF	Y 95% SPRINKLED NO FLOOR DRAINS I 8/15/2 NSTON NER	IN PUMP ROOM  12  TIN	1E 8:30AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	Χ

# FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

				7	1		0144 0	
DATE:	8/15/12	8/15/12			2101 Martindale Ave. SW, Grand Rapids M 7646 S. Sprinkle Rd., Portage MI			
ARRIVAL TIME:	7:00AM			X	1633 S. Champagne Dr, Saginaw MI			
				1			ite A-9, Wix	
WORK ORDER NUMBER:	244878			<u> </u>	1050 Arb	or Tech Dr	. Suite F, He	bron KY
SERVICE ORGANIZATION	N (CORPORA	TE)		7	PROPERT	YNAME		
Vanguard Fire & Security		Name:	HILBERRY	Y THEATER	- 189			
2101 Martindale Ave. SW					Address:	4743 CAS	S	
						I.	_	
Grand Rapids, MI 49509				_	DETROIT,	IVII 46202		
Tankaisiaa	14.00N 16	DUNCTON		7	0	ata at	DAV/ID IZIII	FENED
Technician:	JASON JO	DHNSTON		-	Owner Co	ntact:	DAVID KU	FFNER
			4	Telephone	:	(313) 268-2	2371	
Telephone:	800-444-8719			Approving	Agency:	DETROIT I	FIRE DEPT.	
			PRIOR TO AN		1			
NOTIFICATIONS		YES	PHONE N		TONY			TIME
BUILDING OCCUPANTS			(313) 68	34-7804				7:00AM
BUILDING MANAGEMENT		X			DAVID KUFFNER CAMPUS SECURITY			7:00 AM
MONITORING ENTITY 2ND MONITORING ENTITY		Х			CAMPUS S	ECURITY		7:00 AM
AHJ (NOTIFIED) OF ANY IMF	DAIDMENTS							
ANJ (NOTIFIED) OF ANT IIVIR	AIRIVIENTS							
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUM					
MANUFACTURER		AURORA	4	RATE GPM			500	
MODEL		70-8031°	1	RATE PSI	RATE PSI 92.5			
SERIAL NUMBER				PSI @ 150%				
TYPE		481-BF		MAX PRES	SURE			
RATED RPM		1770		AUTO STAF	RT		67	
IMPELLER SIZE				SATISFIED	PSI	95		
HORSE POWER		20			)	YES		
WATER SUPPLY		CITY		RUN TIMER 7 MIN			7 MIN	
			FIRE PUMF		1	T		
MANUFACTURER		ATHOIN EL		FRAME	2561	RATED RP	M	1745
MODEL	8F2	256TTDR70		VOLTAGE	208	HZ		60
SERIAL NUMBER		799639		AMP	56	HORSE PC		20
TYPE	Į EL	ECTRIC / T	DK-BE	PHASE	3	SERVICE F	ACTOR	1115



	FIRE PUMP	CONTROL			
MANUFACTURER	CLARK	HORSE POWER RATING	3		20
MODEL	B10630	VOLTAGE		208	
SERIAL NUMBER	219144-1-1	AMP RMS		2	5,000
	JOCKEY PU	JMP DATA			
MANUFACTURER	MARATHON	INLET/OUTLET SIZE		1" IN	+ ¾" OUT
MODEL	BUL56T34D5563B-P	START PRESSURE (ON)	)		75
SERIAL NUMBER	9589P12151	STOP PRESSURE (OFF)			88
HORSE POWER	2	VOLTAGE	,		110
	_	1.0202			
	REMOTE ALAR	MS PROVIDED			
DISPLAYED AT	N/A	PHASE REVERSAL			N/A
PUMP RUNNING	N/A	PUMP ROOM LOW TEM	D		N/A
AC LOSS OF POWER	N/A	LOW DIESEL FUEL	<u> </u>		N/A
AC EOSS OF TOWER	IV/A	LOW BIESELT GEE			IN/A
	FIRE PUMP TE	ST DEDODT			
Increation of Dump	FIRE PUNIF I	IST KEPUKT	YES	NO	N/A
Inspection of Pump  1. System found in service?			X	NO	IN/A
System found in service?     Fire pump controller in automatic service?	)		X		
			X		
3. Jockey pump controller in service on auto	) (				
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves op			X		
10. Piping, valves and fittings free from leak	s?		X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection			YES	NO	N/A
Isolation switch and circuit breaker exercit	sed?		X		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
<ol><li>Controller selector switch in auto position</li></ol>	?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					Χ
12. Pressure recorder reset and graph paper	r present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



		OMPONEN	YES	NO	N/A
Valves in proper position and in good condition	n?		X	NO	IN/A
Are all valves listed for application?	X				
3. Valves locked, sealed or supervised?			X		
4. Are all valves tagged and identified?			X		
5. Jockey pump operational?			X		
6. Packing glands appear properly adjusted?			X		
7. Bi-monthly test records available?					Х
8. Were automatic starts performed?			Χ		
9. Were manual starts performed?			Χ		
10. Did automatic and manual starts and stops to	unction properly?		Χ		
11. Remote alarm conditions demonstrated?			Χ		
12. Are drains operational and ok?			Χ		
13. Does fire pump shaft and coupling appear to	be properly aligned?		X		
14. Does jockey pump appear to be aligned ok?			X		
15. Does fire pump have casing relief valve and	does it function properly?		X		
16. Is test header in good condition and drained?			X		
17. Supplying tank or reservoir appears to be in s	satisfactory condition?				X
18. Tank water level ok?					X
19. At completion, was pump returned to automa	X				
20. Site personnel were offered instruction in pur		X			
21. Sensing lines for jockey and fire pump separa	ate?			X	
22. Power transfer switch tested and ok?					X
	FLOW INSPECTION REPORT				. =
Fire Pump Flow Test Report	CHURN		FLOW		6 FLOW
RPM During Test	1780		75		763
Voltage During Test	207 207 208	205 206 206 43 44 43		207 206 205 50 51 50	
Amperage During Test	32 32 31	43 4	4 43	50	51 50
RATED NET HEAD	92.5				
SUCTION PRESSURE	33	2	0		25
DISCHARGE PRESSURE	88		8		69
NET HEAD	55		8		44
NET HEAD	35	7			17
RATED GPM	500				
OUTLET A PITOT	NA NA	51	03		<b>75</b> 0
OUTLET B PITOT	NA NA		~		. 50
OUTLET C PITOT	NA NA				
OUTLET D PITOT	NA NA				
OUTLET E PITOT	NA NA				
TOTAL FLOW	0	50	03		750
RATED % OF FLOW			1%		50%
131122 70 01 1 2011					



		DIE	CEL BATTED	/ INSPECTION			
TYPE			ISUAL	FUNCTION	. т	COMMEN	ITC
BATTERY CONDITION		V	N/A	TONCTION	<u>\_</u>	COMME	413
OLTAGE			IN/A				
BATTERY SIZE							
CHARGER VOLTAGE							
OTTAK GET V GET TKGE							
	EMERGEN	CY COMM	UNICATION EC	QUIPMENT:ON/OF	F MONITORIN	NG	
TYPE	YES	NO	TIME		COM	IMENTS	
ALARM SIGNAL	N/A						
ALARM RESTORAL	N/A						
TROUBLE SIGNAL	N/A						
TROUBLE RESTORAL	N/A						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
TVDE			TIONS THAT TI	ESTING IS COMP	LETE		TIME
TYPE		YES		WHO			TIME
BUILDING OCCUPANTS		V		JED			2.20 / 1/4
BUILDING MANAGEMENT MONITORING ENTITY		X	DAVID KUFFN CAMPUS SEC			8:30AM	
2ND MONITORING ENTITY		^	CAIVIF US SEC	DUNITI	•	8:30AM	
AH I (NOTIFIED) OF ANY IMPAI	RMENTS						
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS						
,		ERFORME	D IN ACCORDA	NCE WITH APPL	ICABLE NFP	A STANDARDS	
THIS TESTII	NG WAS PE			AND RECOMI			
	NG WAS PE	OR'S CC		NCE WITH APPL			
THIS TESTII	NG WAS PE	OR'S CC					
THIS TESTII  IN  PUMP OPERATED PROPERLY	NG WAS PE ISPECTO AT TIME O	OR'S CC F TEST					8:30AM
THIS TESTII  IN  PUMP OPERATED PROPERLY  NO DRAIN IN PUMP ROOM  SYSTEM RESTORED TO NORM	NG WAS PE ISPECTO AT TIME O	OR'S CC F TEST		AND RECOMI	8/15/12	ONS	8:30AM
THIS TESTII  IN PUMP OPERATED PROPERLY NO DRAIN IN PUMP ROOM  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR	NG WAS PE ISPECTO AT TIME O	OR'S CC F TEST		DATE	8/15/12	ONS	8:30AM
THIS TESTII  IN PUMP OPERATED PROPERLY NO DRAIN IN PUMP ROOM  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	NG WAS PE ISPECTO AT TIME O	OR'S CC F TEST		DATE	8/15/12 DN	ONS	8:30AM
THIS TESTII  IN PUMP OPERATED PROPERLY NO DRAIN IN PUMP ROOM  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PERIOD IN THE CONTRACT TIME OF THE CONTRACT TIME OF THE CONTRACT THE CONTRAC	OR'S CO	OMMENTS A	DATE JASON JOHNST	8/15/12 DN	ONS	8:30AM
THIS TESTII  IN PUMP OPERATED PROPERLY NO DRAIN IN PUMP ROOM  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENT  SIGNATURE OF PROPERTY OF	MAL OPERA	ATION  PRESENTA  ancy & st	TIVE	DATE  JASON JOHNST	8/15/12 ON Yes o	TIME  TIME	8:30AM
THIS TESTII  IN PUMP OPERATED PROPERLY NO DRAIN IN PUMP ROOM  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY OF  Is system code compliant we have the noted deficiencies	MAL OPERATIVE WNER/REPAYOOLOGICAL	PRESENTA ancy & step been co	TIVE  ored commod rrected?	DATE  JASON JOHNST  DAVID KUFFNEF	8/15/12 ON Yes o	TIME  TIME	8:30AM
THIS TESTII  IN PUMP OPERATED PROPERLY NO DRAIN IN PUMP ROOM	MAL OPERATIVE WNER/REPAYOOLOGICAL	PRESENTA ancy & step been co	TIVE  ored commod rrected?	DATE  JASON JOHNST  DAVID KUFFNEF	8/15/12 ON Yes o	TIME  TIME	8:30AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA	8/17/2012 8:00AM 244870 TION (CORPOR	ATE)	]	X 16	646 S. Sprinkle Ro 633 S. Champagn 6221 Beck Rd., St 050 Arbor Tech Di	d., Portage M e Dr, Sagina uite A-9, Wixo	II w MI om MI		
Vanguard Fire & Security				Name:	WAYNE STATE	- CUSTODI	AL/GROUN	IDS BLDG	
2101 Martindale Ave. SW				Address:	5743 WOODW	ARD			
Grand Rapids, MI 4950	)9			DETROIT, I	VI 48202				
,			_	,					
Technician:	echnician: JASON JOHNSTON			Owner Con	tact:	CARL / MIKE	E / DAVID K		
				Telephone:			313-684-4459 / 313-469-4134		
Telephone:	800-444-8719	)	Approving Agency:			DETROIT FIRE DEPARTMENT			
			PRIOR TO	O ANY TEST	ING				
NOTIFICATIONS		YES	PHONE NUMBERS			WHO	TIME		
BUILDING OCCUPANTS									
BUILDING MANAGEMEN	NT	X	, ,		CARL / DAVID K			8:00AM	
MONITORING ENTITY		X			CAMPUS SECU	RITY		8:00AM	
2ND MONITORING ENTI									
AHJ (NOTIFIED) OF IMP	AIRMENTS								
			OVOTEM	INICODMATI	ON				
GENERAL INFORMATION	ON (GI)		STSTEW	INFORMATI	UN	YES	NO	N/A	
Is the building occ				X	NO	IN/A			
Is the building fully		•				X			
3. System(s) in servi		ication sin	ce the last in	nspection?		X			
Spare heads and							Χ		
<ol><li>Stock/Storage a m</li></ol>					in place?		X		
6. Are all gauges in						X			
7. Wet system areas	are adequately	heated?		-		X			



/ΔΙ	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	14/7
2.	Main control valves in good condition and identified?	^	X	
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	^	X	
		V	^	
	Are all control valves provided with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
				ı
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
1.	Are all sprinkler heads unobstructed?		X	
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?		X	
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		,
9.	Are all hangers OK?	X		
	Seismic bracing OK?	^		
				X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
		X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?		X	
2.	Did Central Station receive Flow Alarm Test?		X	
3.	Did Central Station receive Tamper Test?			X
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?		Χ	
6.	No leakage from retard chambers or alarm drains?		X	
7.	Was Inspector Test performed and results OK?	X		
<i>,</i> .	Trad mapediar reat performed und readite Crt.			
DPV	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
		IES		IN/A
1.	Dry pipe valves in service & in good external condition?		X	
2.	Pressure & priming water OK?		X	
3.	Air supply in good working order?	X		
	Were low points drained during fall & winter inspections?		X	
	Are accelerator(s) in good condition?			X
5.	Are accelerator(s) in good condition?			1
5.	All dry valves have been trip tested & OK (See Table 3)		X	
4. 5. 6. 7.		X	X	



T.	ABLE 1		AN <sup>-</sup>	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	f Backflow	Temp
		N/A	•							
	ABLE 2			AIN DRAIN						
R	iser No.	Drain Size								
	1.	2	52	2		38				
	2.									
	3. 4.									
	4.									
т	ABLE 3		NP	Y SYSTEM	TEST					
	Valve			. GIGILIN	1201	Starting Air			Trip Air	1
No.	Size	Location o	of Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.	3		STOREROOM		IA	52	52			
2.									1	
3.										
Loca	ation of D	Drum Drain	S					Tested?	Yes	No
1.	BY EAST	GARAGE D	OOR						X	
2.	BY EAST	GARAGE D	OOR (ITV)						X	
3.										
4.	WET IT FO	OUNDRY AF	REA BY EXIT D	OOOR				J	X	
_		1								
T.	ABLE 4		CONTROL	. VALVE INI	FORMATION	l			1	ı
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
2	MAIN (OS		YES	YES	YES	YES	YES	N/A	N/A	N/A
	(	,								-
		<u> </u>								
	ABLE 5	_	ACKFLOW/CI				LACTINGS	FOTER	100	ATION
No.		RPOSE	MFG VIKING	MODEL	SIZE 8"	YEAR	LAST INSPI	ECIED		ATION
1. 2.		OR CHECK	FAIRBANKS	C-1 SWING	3/4"	1959 1983			CUSTODIAL S	
<u>2.</u> 3.	ALARM C		STAR	B	8"	1965	2010	<u> </u>	CUSTODIAL S	
<b>4</b> .	DRY VAL		STAR	B	3"	1959	2010		CUSTODIAL S	
т.		<u> </u>	TCIW	UT	4"	1959	2010		CUSTODIAL S	
5.	FDC		. 0177			1959	2010			TOREROOM
5. 6.	FDC WATER G	ONG	P&P	SWING	3/A"				TOUGICIAN S	
6.	WATER G		P&P P&P	SWING SWING	3/4" 3/4"					
		SONG	P&P P&P P&P	SWING SWING	3/4"	1959 1971	2010	1	CUSTODIAL S	STOREROOM



ON / OFF PREMISES MONITORING								
YES	NO	TIME	COMMENTS					
X								
X								
X								
X								
	YES X	YES NO	YES NO TIME X					

	NOTIFIC	CATIONS THAT TESTING IS COMPLETE	
TYPE	YES	WHO	TIME
BUILDING OCCUPANTS			
BUILDING MANAGEMENT	X	CARL / DAVID KUFFNER	9:00AM
MONITORING ENTITY	X	CAMPUS SECURITY	9:00AM
2ND MONITORING ENTITY			
AHJ (NOTIFIED) OF IMPAIRMENTS			

#### THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS

#### INSPECTOR'S COMMENTS AND RECOMMENDATIONS

NO HEADBOX OR WRENCH AT RISER

8" FLOW SWITCH NO ALARM AT THIS TIME. NEEDS FLOW SWITCH INSTALLED

BOTH SYSTEMS 8" OS&YS DON'T FULLY ISOLATE SYSTEM. UNABLE TO PERFORM 5 YEAR INSPECTIONS ON DETECTOR CHECK AND BYPASS 2 SPRINKLER DROPS IN GROUNDS NEED RAISED (1) NORTH WAREHOUSE AND (1) SOUTH WAREHOUSE

TILES MISSING IN SERVER ROOM

STORAGE AREA BEHIND OFFICES, CEILING MISSING

STORAGE RM BY RISER MANY AREA OF MISSING PLASTER WHICH WOULD ALLOW PROPER HEAT COLLECTION AROUND SPRINKLERS

NO COVERAGE IN BRONZING AREA OF FOUNDRY PIPE CAPPED OFF OUTSIDE ROOM

CABLES AND RIGGING HANGING FROM SPRINKLER PIPING IN FOUNDRY TOOL ROOM

4 HEADS AND PIPE NEEDS TO BE REMOVED SW CORNER OF FOUNDRY, ALREADY PROTECTED BY UPRIGHTS (LIKELY RM OR BOOTH REMOVED)

TAPE ON 1 SPRINKLER HEAD IN SW CORNER OF FOUNDRY

NO ALARM DEVICES ON DRY RISER

6 PENDANT HEADS IN UPRIGHT POSTION OUTSIDE BY EAST GARAGE DOOR

DRY SYSTEM INSPECTORS TEST AND DRUM DRAIN NEED SUPPORTED AND REHUNG

INSTALLED SIGNAGE WHERE NEEDED - (3) CONTROL VALVE, (1) INSPECTOR TEST, (1) AIR-LINE, (2) MAIN DRAIN, (1) ALARM LINE, (2) AUX DRAIN

WATER MOTOR GONG REMOVED AND PLUGGED AT ALARM CHECK IN ORDER TO BRING SYSTEM BACK ONLINE, BUT STILL NO WORKING ALARM

PERFORMED (6) 5 YEAR CHECK VALVE MAINTENANCE

UPON ARRIVAL FOUND DRY SYSTEM TRIPPED. FURTHER TROUBLE SHOOTING REQUIRED BEFORE WINTER

SYSTEM RESTORED TO NORMAL OPERATION	DATE	8/17/	12	TIME	9:00AM
			<del>-</del>		
NAME OF INSPECTOR	JASON JOHN	STON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFN	IER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored com	modity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected?	•	Yes or No	NO		
Have the deficiencies/violations been authorized for rep	air?	Yes or No	YES		
If no, please explain reason:		-	•		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	_X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA  Vanguard Fire & Secu 2101 Martindale Ave.  Grand Rapids, MI 495	ATION (CORPOR	RATE)	<u></u>	PROPER Name: Address:	7646 1633 2822 1056 RTY N	WAYNE STATE	, Portage M Dr, Saginav te A-9, Wixo Suite F, He	I w MI om MI bron KY	
Grand Napids, IVII 490	103		ا ا	<u>JL IIKOI</u>	I, IVII	40202			
Technician:	JASON JOH	NSTON		Owner C	ontac	ot:	TOM / WALT	ER	
				Telephor	ne:		(313) 613-3	500	
Telephone:	800-444-871	9	,	Approvin	ıg Age	ency:	DETROIT F	FIRE DEPA	RTMENT
			PRIOR TO	ANV TE	STIN	IG.			
NOTIFICATIONS		YES	PHONE N				WHO		TIME
BUILDING OCCUPANTS	S								
BUILDING MANAGEME	NT	X	(313) 6	13-3500		TOM / DAVID KUF	FNER		10:00AM
MONITORING ENTITY		X				CAMPUS SECUR	ITY		10:00AM
2ND MONITORING ENT			313-99	3-7655		WALLY POACIAS	K		10:00AM
AHJ (NOTIFIED) OF IME	PAIRMENTS								
			0)/07514		. =: =:				
GENERAL INFORMATI	ON (CI)		SYSTEMI	NFORMA	AHON		YES	NO	N/A
Is the building oc		2					X	NO	IN/A
Is the building ful     Is the building ful		· <b>·</b>					X		
3. System(s) in serv	, ,	fication sin	ce the last in	spection	?		X		
Spare heads and							X		
Stock/Storage a li					iles in	place?		Х	
6. Are all gauges in							X		
7. Wet system area	•		•			•	X		



AL'	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
<del>3.</del> 4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.		^		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
7.	Valves lubricated?			X
חחי	INIVIED & DIDING INFORMATION (CI)	VEC	NO	N/A
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Ale Backilow Fleveriters / Check Valves present (ii yes, complete Table 3)	^		
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	NO	IN/A
1.		^		V
2.	Did Central Station receive Flow Alarm Test?			X
3.	Did Central Station receive Tamper Test?			X
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			Х
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
3.	All dry valves have been trip tested & OK (See Table 3)	1		X
7.	Dry pipe valves are in heated area?	+		X
<u>г.</u> В	Was customer informed that they need to drain all drum drips on a monthly basis?			X
	vvas customet intorneu that they need to drain all druff drips on a monthly basis?	ī		_ ^



	ADLE 4	T	A N.	TI EDEEZE I	LOOD					
	ABLE 1 No.	Location o		TI-FREEZE	LUUP	ı	No. of Heads	Tuna	f Dookflow	Tomn
	NO.		т соор				No. of Heads	Type of	f Backflow	Temp
		N/A								
		1						ļ		
		T								
	ABLE 2			AIN DRAIN 1						
Ri	iser No.	Drain Size			Residual F	Pressure (PSI)				
	1.	2	48	5		35				
	2.									
	3.									
	4.									
T.	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.										
Loca	ation of D	rum Drains	S					Tested?	Yes	No
1.	IT BY GAF	RAGE DOOF	RENTRY							
2.									X	23 SEC
3.								1		
4.										
T.	ABLE 4		CONTROL	L VALVE INF	ORMATION	ı				
		I.								
ļ										Tamper
Qty	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
2	OS&Y		YES	YES	YES	YES	N/A	N/A	YES	YES
									1	
								<u> </u>	†	
	ABLE 5	R	ACKFLOW/C	HECK VAI V	F INFORMA	TION				
T.			MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	Loc	ATION
			1111 G		4"	1989	2010		AT RISER	- 110II
No.	PUR		HERSEV	EDC-III	. +	1303			+	
No. 1.	PUR DETECTO	R CHECK	HERSEY	EDC-III		1000	2010		IAT DICED	
No. 1. 2.	PUR DETECTO DETECTO		U.S.	SWING	3/4"	1989	2010		AT RISER	
No. 1. 2. 3.	PUR DETECTO DETECTO MAIN	R CHECK	U.S. NIBCO	SWING W-900-W	<sup>3</sup> ⁄ <sub>4</sub> " 4"	1989	2010		AT RISER	
No. 1. 2. 3.	PUR DETECTO DETECTO	R CHECK	U.S.	SWING	3/4"					
No. 1. 2. 3. 4.	PUR DETECTO DETECTO MAIN	R CHECK	U.S. NIBCO	SWING W-900-W	<sup>3</sup> ⁄ <sub>4</sub> " 4"	1989	2010		AT RISER	
No. 1. 2. 3.	PUR DETECTO DETECTO MAIN	R CHECK	U.S. NIBCO	SWING W-900-W	<sup>3</sup> ⁄ <sub>4</sub> " 4"	1989	2010		AT RISER	
No. 1. 2. 3. 4.	PUR DETECTO DETECTO MAIN	R CHECK	U.S. NIBCO	SWING W-900-W	<sup>3</sup> ⁄ <sub>4</sub> " 4"	1989	2010		AT RISER	



	•	NI / OFF DDE	MICEC MAN	ITODING		
TYPE	YES	ON / OFF PRE NO	TIME	ITORING	COMMENTS	
ALARM SIGNAL	1123	NO	IIIVIL	N/A	COMMENTS	
ALARM RESTORAL				N/A		
TROUBLE SIGNAL				N/A		
TROUBLE RESTORAL				N/A		
SUPERVISORY SIGNAL				N/A		
SUPERVISORY RESTORAL				N/A		
TVDE		CATIONS TH	AT TESTING	IS COMPLETE	<u> </u>	TIME
TYPE BUILDING OCCUPANTS	YES			WHO		TIME
BUILDING OCCUPANTS BUILDING MANAGEMENT		TOM / DAV/	D KUFFNER		,	11:0AM
MONITORING ENTITY	X	CAMPUS S				11:0AM
2ND MONITORING ENTITY	^	CAMPUSS	LCORITI			I I.UAIVI
AHJ (NOTIFIED) OF IMPAIRMENTS						
,		MED IN ACC	RDANCE W	ITH APPLICABLE NFF	PA STANDARDS	
				RECOMMENDATI		
ALL CEILING TILES IN MENS RESTROC						BE SPRINKLED
ALL CEILING TILES IN MENS RESTROC EXPOSED CEILING AREA ABOVE DROI OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND	P CEILING NO FII	REWALL ON EA	ST, LEAVING	A LARGE OPENING 4'X 1	15' APPROX SHOULD E E.	BE SPRINKLED
ALL CEILING TILES IN MENS RESTROCE  EXPOSED CEILING AREA ABOVE DROF  OR ENCLOSED.  BUILDING HAZARDOUS STORAGE AND  NOTE: SYSTEM ALARM IS ON LY 110V	P CEILING NO FIF D PERSONEL MO BELL BY RISER	REWALL ON EA	ST, LEAVING OCATION. S' FED SMALL C	A LARGE OPENING 4'X 1  FILL USED FOR STORAG  LOSET OUTSIDE ROOM	15' APPROX SHOULD E E. BREAKER 12	<u> </u>
ALL CEILING TILES IN MENS RESTROCE EXPOSED CEILING AREA ABOVE DROF OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND NOTE: SYSTEM ALARM IS ON LY 110V	P CEILING NO FIF D PERSONEL MO BELL BY RISER	REWALL ON EA	ST, LEAVING	A LARGE OPENING 4'X 1	15' APPROX SHOULD E E.	BE SPRINKLED  11:30AM
EXPOSED CEILING AREA ABOVE DROP OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND NOTE: SYSTEM ALARM IS ON LY 110V  SYSTEM RESTORED TO NORMAL	P CEILING NO FIF D PERSONEL MO BELL BY RISER	REWALL ON EA	ST, LEAVING OCATION. S' FED SMALL C	A LARGE OPENING 4'X 1  FILL USED FOR STORAG  LOSET OUTSIDE ROOM  8/17/12	15' APPROX SHOULD E E. BREAKER 12	<u> </u>
EXPOSED CEILING AREA ABOVE DROP OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND NOTE: SYSTEM ALARM IS ON LY 110V  SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR	P CEILING NO FIF D PERSONEL MO BELL BY RISER	REWALL ON EA	ST, LEAVING OCATION. S' TED SMALL C  DATE	A LARGE OPENING 4'X 1  FILL USED FOR STORAG  LOSET OUTSIDE ROOM  8/17/12	15' APPROX SHOULD E E. BREAKER 12	<u> </u>
EXPOSED CEILING AREA ABOVE DROP OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND NOTE: SYSTEM ALARM IS ON LY 110V  SYSTEM RESTORED TO NORMAL  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	P CEILING NO FIF D PERSONEL MO BELL BY RISER OPERATION	REWALL ON EA	ST, LEAVING OCATION. S' TED SMALL C  DATE	A LARGE OPENING 4'X 1  FILL USED FOR STORAG  LOSET OUTSIDE ROOM  8/17/12	15' APPROX SHOULD E E. BREAKER 12	<u> </u>
EXPOSED CEILING AREA ABOVE DROP OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND NOTE: SYSTEM ALARM IS ON LY 110V  SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REF	P CEILING NO FIRE D PERSONEL MO BELL BY RISER OPERATION PRESENTATIVE	REWALL ON EA	ST, LEAVING OCATION. S' FED SMALL C  DATE  JASON JOH	A LARGE OPENING 4'X 1  FILL USED FOR STORAG  LOSET OUTSIDE ROOM  8/17/12	15' APPROX SHOULD E E. BREAKER 12	<u> </u>
EXPOSED CEILING AREA ABOVE DROP OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND NOTE: SYSTEM ALARM IS ON LY 110V  SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REF	P CEILING NO FIF D PERSONEL MO BELL BY RISER OPERATION PRESENTATIVE	REWALL ON EA	ST, LEAVING OCATION. S' TED SMALL C  DATE  JASON JOH  DAVID KUF	A LARGE OPENING 4'X 1  FILL USED FOR STORAG  LOSET OUTSIDE ROOM  8/17/12  INSTON  FNER	15' APPROX SHOULD E  E.  BREAKER 12  TIME	<u> </u>
EXPOSED CEILING AREA ABOVE DROP OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND NOTE: SYSTEM ALARM IS ON LY 110V  SYSTEM RESTORED TO NORMAL  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REF  SIGNATURE OF PROPERTY OWNE	P CEILING NO FIF D PERSONEL MO BELL BY RISER  OPERATION  PRESENTATIVE ER/REPRESENT  OCCUPANCY & :	VED TO NEW L - PANEL LOCA  TATIVE	ST, LEAVING OCATION. S' TED SMALL C  DATE  JASON JOH  DAVID KUF	A LARGE OPENING 4'X 1  FILL USED FOR STORAG  LOSET OUTSIDE ROOM  8/17/12  INSTON  FNER  Yes or No	15' APPROX SHOULD E  E.  BREAKER 12  TIME	<u> </u>
EXPOSED CEILING AREA ABOVE DROP OR ENCLOSED. BUILDING HAZARDOUS STORAGE AND NOTE: SYSTEM ALARM IS ON LY 110V  SYSTEM RESTORED TO NORMAL NAME OF INSPECTOR INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REF SIGNATURE OF PROPERTY OWNE Is system code compliant with of Have the noted deficiencies/violations	P CEILING NO FIRE D PERSONEL MO BELL BY RISER  OPERATION  PRESENTATIVE ER/REPRESENT  OCCUPANCY & SIATIONS	REWALL ON EA	ST, LEAVING OCATION. S' TED SMALL C  DATE  JASON JOH DAVID KUF	A LARGE OPENING 4'X 1  FILL USED FOR STORAG  LOSET OUTSIDE ROOM  8/17/12  INSTON  FNER  Yes or No Y  Yes or No N	15' APPROX SHOULD E  E.  BREAKER 12  TIME	<u> </u>



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER  SERVICE ORGANIZ  Vanguard Fire & Sec  2101 Martindale Ave.  Grand Rapids, MI 498	ATION (CORPO	RATE)		PROPER Name: Address:	7646 S. 1633 S. 28221 B 1050 Art TY NAM WAY	Champagne leck Rd., Subor Tech Dr E YNE STATE	., Portage Me Dr, Sagina ite A-9, Wix . Suite F, He	M MI w MI om MI ebron KY	
Technician:	JASON JOH	INSTON		Owner Co			GEORGE C	OOL / DAVIE	) KUFFNER
Telephone:	800-444-87	19		Telephon Approving		·:	DETROIT I	FIRE DEPA	RTMENT
			PRIOR TO	ANY TE	STING				
NOTIFICATIONS		YES		NUMBERS			WHO		TIME
BUILDING OCCUPANT	ΓS								
BUILDING MANAGEMI	ENT	X	(313) 6	84-7804	GEO	RGE COOL	DAVID KUF	FNER	9:00AM
MONITORING ENTITY		X			CAM	IPUS SECUF	RITY		9:00AM
2ND MONITORING EN									
AHJ (NOTIFIED) OF IM	<u>IPAIRMENTS</u>								
			OVOTEM	INICODMA	TION				
GENERAL INFORMAT	ION (GI)		SISIEM	INFORMA	HON		YES	NO	N/A
	ccupied as in pas	t2					X	NO	IN/A
Is the building full							X		
ÿ	rvice without mod	ification sin	ce the last in	nspection	)		X		
	d head box with v						X		
	minimum of 18"				es in plac	ce?	X		
6. Are all gauges in	n good condition,	in 5-yr calil	bration, and	showing r	ormal pro	essures?	X		
<ol><li>Wet system area</li></ol>	as are adequately	/ heated?					X		



ΔΙΛ	E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	IN/A
	Main control valves in good condition and identified?	X		
	Are control valves secure?			
		X		
	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
				T
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?	+		X
		V		^
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
6.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
	M INFORMATION (AI)	VEO	NO	NI/A
	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X		
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?		X	
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			Х
	Were low points drained during fall & winter inspections?	+		X
	Are accelerator(s) in good condition?	+		X
	All dry valves have been trip tested & OK (See Table 3)	+		X
				X
	Dry pipe valves are in heated area? Was customer informed that they need to drain all drum drips on a monthly basis?	+		X



T	ABLE 1		AN <sup>-</sup>	TI-FREEZE	LOOP					
	No.	Location of					No. of Heads	Type of	f Backflow	Temp
		N/A	•					7.		•
T/	ABLE 2			AIN DRAIN	TEST					
Ri	iser No.	Drain Size			Residual I	Pressure (PSI)				
	1.	2	50	)		40				
	2.									
	3.									
	4.									
	ADLEO	T		V 0V0TEM	TEAT					
ſ.	ABLE 3 Valve		DR I	Y SYSTEM	IESI	Starting Air			Trip Air	
No.	Size	Location	of Dry Valve	Full or D	artial Trip	Pressure	Starting Water	Drossuro	Pressure	Trip Time
1.	SIZE	N/A	or Dry Valve	i un or Pa	artial IIIP	i icasule	Starting water	i i cooule	i ressure	inh inne
2.		IN//				+				
3.		1								
	ation of D	rum Drain	I			<u>l</u>		Tested?	Yes	No
1.		Tuni Diuni						Toolog :	X	65 SEC
2.										00 020
3.										
4.										
								J	_	
T.	ABLE 4		CONTROL	VALVE IN	FORMATION	1				
	_									Tamper
Qty		of Valve	Accessible	Signs	Open	Secured	Sealed	Locked		Operational
2	OS&Y		YES	YES	YES	YES	N/A	YES	N/A	N/A
Т	ABLE 5	F	BACKFLOW/CI	HECK VALV	F INFORMA	ATION				
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	LOC	ATION
1.	BACKFLC		WATTS	774D	4"	2008	2010		BASEMENT	
2.	FDC		GLOBE	CU-1	4"	1988	2010		BASEMENT	
3.					1	.555	2310		S. CEMENT	
4.										
5.										
6.										
7.										
1.										



		N / OEE DDE	MISES MONIT	ODING			
TYPE	YES	NO	TIME	T	COMMENT	TS	
ALARM SIGNAL	X	140	11141		COMMEN	10	
ALARM RESTORAL	X						
FROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
	NOTIFI	CATIONS TH	AT TESTING I	S COMPLETE			
TYPE	YES			WHO		•	TIME
BUILDING OCCUPANTS							
BUILDING MANAGEMENT	X	GEORGE (	COOL/DAVID K	UFFNER		10	):00AM
MONITORING ENTITY	X	CAMPUS S				10	):00AM
ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
THIS TESTING WA	S PERFOR	MED IN ACC	ORDANCE WI	TH APPLICABLE I	NFPA STANDAR	RDS	
INCDE	CTOPIS	COMMEN	TC VND DI	COMMENDA	TIONS		
NOTE: ALARM PANEL IN LOBBY, ITV TOP C			OGY OFFICE 2N		/EDENCE RM.		
. ,					/EDENCE RM.		
NOTE: ALARM PANEL IN LOBBY, ITV TOP C	DF SOUTH ST					IME	10:00AM
	DF SOUTH ST		IN DRAIN BSMT	AND 1ST FLR IN EV		IME	10:00AM
NOTE: ALARM PANEL IN LOBBY, ITV TOP C	DF SOUTH ST		DATE	AND 1ST FLR IN EV		IME	10:00AM
NOTE: ALARM PANEL IN LOBBY, ITV TOP CONTROL OF INSPECTOR  NSPECTOR'S SIGNATURE	ERATION	AIRWELL, MA	DATE	AND 1ST FLR IN EV		IME	10:00AM
SYSTEM RESTORED TO NORMAL OPENAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE	ERATION  SENTATIVE	TAIRWELL, MA	DATE JASON JOHN	AND 1ST FLR IN EV		IME	10:00AM
NOTE: ALARM PANEL IN LOBBY, ITV TOP CONTROL OF CONTROL	ERATION  SENTATIVE	TAIRWELL, MA	DATE  JASON JOHN  DAVID KUFF	AND 1ST FLR IN EV	12 <b>T</b> II	IME	10:00AM
SYSTEM RESTORED TO NORMAL OPENAME OF INSPECTOR  NAME OF INSPECTOR  NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY OWNER/REPRESIGN	ERATION  SENTATIVE REPRESENT	TATIVE	DATE  JASON JOHN  DAVID KUFF	8/17/2 ISTON  Yes or No	12 TII	IME	10:00AM
NOTE: ALARM PANEL IN LOBBY, ITV TOP CONTROL OF INSPECTOR	ERATION  SENTATIVE REPRESENT  upancy & sons been consisted to the consistence of the cons	TATIVE	DATE  JASON JOHN  DAVID KUFF	AND 1ST FLR IN EV	12 <b>T</b> II	IME	10:00AN



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZAT  Vanguard Fire & Securi	•	ATE)		X 1 2	646 S. Sprinkle R 633 S. Champagr 8221 Beck Rd., S 050 Arbor Tech D	d., Portage M ne Dr, Sagina uite A-9, Wixo r. Suite F, He	II w MI om MI ebron KY	
2101 Martindale Ave. S	sW			Address:	60 FARNSWO	RTH		
Grand Rapids, MI 4950	9			DETROIT,	<u> </u>			
·			-					
Technician:	JASON JOHN	NSTON		Owner Cor	tact:	STEVE / DA	VID KUFFNE	R
				Telephone		586-556-16	521	
Telephone:	800-444-8719	9		Approving .	Agency:	DETROIT F	FIRE DEPA	RTMENT
			PRIOR TO	O ANY TES	TING			
NOTIFICATIONS		YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMEN	IT	X	586-5	556-1021	STEVE / DAVID			11:00AM
MONITORING ENTITY	T)/	X			CAMPUS SECU	RITY		11:00AM
2ND MONITORING ENTI AHJ (NOTIFIED) OF IMPA								
AND (NOTIFIED) OF IIVIEA	AIRIVIENTS							
			SYSTEM	INFORMAT	ION			
GENERAL INFORMATIO	N (GI)			-	-	YES	NO	N/A
Is the building occu	upied as in past	?				X		
2. Is the building fully	sprinkled?						X	
<ol><li>System(s) in service</li></ol>						X		
<ol> <li>Spare heads and h</li> </ol>							X	
<ol><li>Stock/Storage a m</li></ol>							X	
<ol><li>Are all gauges in g</li></ol>			bration, and	showing no	rmal pressures?	X		
7. Wet system areas	are adequately	heated?				X		



ΆL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
<u>3.</u> 4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.				
7.	Valves lubricated?	X		
DD	INKLER & PIPING INFORMATION (SI)	VEC	NO	l NI/A
	, , , , , , , , , , , , , , , , , , ,	YES	NO	N/A
	Are all sprinkler heads unobstructed?			
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		<u> </u>
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
0.	Seismic bracing OK?			X
11.	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are Backlow Frevenicis / Check valves present (ii yes, complete rable o)			
ΙΔ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X		14/74
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tow Alarm Test:	X		
	'			
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
_	Was Inspector Test performed and results OK?	X		
				,
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
				X
	Are accelerator(s) in good condition?			-
				X
	Are accelerator(s) in good condition?  All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?			X



	•									
T	ABLE 1		ΔΝ'	TI-FREEZE I	LOOP					
17	No.	Location o		II-I IXLLZL I	LOOF		No. of Heads	Type of	Backflow	Temp
	NO.	N/A	п соор				No. or neads	Type of	Backilow	Temp
		IN//A								
T	ABLE 2		MA	AIN DRAIN 1	FST					
	iser No.	Drain Size				Pressure (PSI)				
1.	1.	2	18			148				
	2.	_				110				
	3.									
	4.									
T.	ABLE 3		DR	Y SYSTEM	TEST					
	Valve		I			Starting Air			Trip Air	
No.	Size	Location o	of Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.										
Loca	ation of D	rum Drain	S					Tested?	Yes	No
1.										
2.										
3.										
4.										
_	ADI = 4	T	00117701							
L	ABLE 4		CONTROL	. VALVE INI	ORMATION	1 I			ı	
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	-
		T HEADER)	7.00000.0.10	0.90	- Cpon	0004.04		Zoonou	- Cupor ricou	- Operational
	MAIN (OS8	•	YES	YES	YES	YES	N/A	N/A	YES	YES
	BYPASS (E		YES	YES	YES	YES	N/A	N/A	YES	YES
1	PUMP (BFL	,	YES	YES	YES	YES	N/A	N/A	YES	YES
2	JOCKEY (C		YES	YES	YES	YES	YES	N/A	N/A	N/A
2	JOCKEY (E	·	YES	YES	YES	YES	YES	N/A	N/A	N/A
6	SECTIONA	L	YES	YES	YES	YES	N/A	N/A	YES	YES
T.	ABLE 5		ACKFLOW/C	HECK VALV	E INFORMA	ATION				
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	CTED	LOC	ATION
1.		R CHECK	AMES	DCU	8"	2005	2010		WATER METE	R RM 000
	BY PASS		VIKING	G-1	8"	2005	2010		WATER METE	R RM 000
3.	PUMP		VIKING	G-1	8"	2005	2010		WATER METE	R RM 000
4.	JOCKEY		UNITED	SWING	1¼"	2005	2010		WATER METE	
5.	FDC		GLOBE	RCV	4"	2005	2010		WATER METE	
6.	FDC		WATEROUS	604	4"	2003	2010		WATER METE	R RM PIT
7.										



1	C	ON / OFF PRE	MISES MONIT	ORING		
TYPE	YES	NO	TIME	C	OMMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
	NOTIFI	CATIONS TH	AT TESTING I	S COMPLETE		
TYPE	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X		AVID KUFFNEI	₹	3	:30 PM
MONITORING ENTITY	X	CAMPUS S	ECURITY		3	:30 PM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
				TH APPLICABLE NFPA S		
INSPE	CTOR'S	COMMEN	TS AND RI	ECOMMENDATION	S	
MISSING CEILING TILE AROUND CONCEAL	LED HEAD IN	LIBRARY MEZ	ANINE STORAG	E BEHIND ELEVATOR		
NO WRENCH IN HEAD BOX - NO SIDEWA BUILDING IS PARTIALLY SPRINKLED	ILLS IN HEAD	ВОХ			2	
NO WRENCH IN HEAD BOX - NO SIDEWA BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST E	ND, 3 FLOWS	ВОХ			2 <b>TIME</b>	3:30 PM
NO WRENCH IN HEAD BOX - NO SIDEWA BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST EI  SYSTEM RESTORED TO NORMAL OPI	ND, 3 FLOWS	ВОХ	IRWELL, (1) FLO	DW IN BASEMENT ROOM 02 8/17/12		3:30 PM
NO WRENCH IN HEAD BOX - NO SIDEWA BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST EI  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR	ND, 3 FLOWS	ВОХ	IRWELL, (1) FLC	DW IN BASEMENT ROOM 02 8/17/12		3:30 PM
MISSING CEILING TILE AROUND CONCEAL NO WRENCH IN HEAD BOX - NO SIDEWA BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST EI  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	ND, 3 FLOWS	BOX IN WEST STA	IRWELL, (1) FLO	DW IN BASEMENT ROOM 02 8/17/12 ISTON		3:30 PM
NO WRENCH IN HEAD BOX - NO SIDEWARD BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST EN  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	ND, 3 FLOWS	BOX S IN WEST STA	IRWELL, (1) FLC	DW IN BASEMENT ROOM 02 8/17/12 ISTON		3:30 PM
NO WRENCH IN HEAD BOX - NO SIDEWARD BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST EXTENSIVE TO NORMAL OPINAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE	ND, 3 FLOWS ERATION SENTATIVE	BOX	IRWELL, (1) FLO	DW IN BASEMENT ROOM 02 8/17/12 ISTON		3:30 PM
NO WRENCH IN HEAD BOX - NO SIDEWA BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST EI  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR	ND, 3 FLOWS ERATION ESENTATIVE	BOX SIN WEST STA	DATE  JASON JOHN  DAVID KUFF	DW IN BASEMENT ROOM 02 8/17/12 ISTON		3:30 PM
NO WRENCH IN HEAD BOX - NO SIDEWA BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST EI  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/R	ND, 3 FLOWS ERATION ESENTATIVE REPRESENT	EIN WEST STA	DATE  JASON JOHN  DAVID KUFF	0W IN BASEMENT ROOM 02 8/17/12 ISTON NER		3:30 PM
NO WRENCH IN HEAD BOX - NO SIDEWARD BUILDING IS PARTIALLY SPRINKLED  NOTE: ALARM PANEL IS IN LOBBY EAST EITHER SYSTEM RESTORED TO NORMAL OPINAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRESIGNATURE OF PROPERTY	ND, 3 FLOWS ERATION ESENTATIVE Supancy & sons been considered	SIN WEST STA	DATE  JASON JOHN  DAVID KUFF	W IN BASEMENT ROOM 02  8/17/12  ISTON  NER  Yes or No YES		3:30 PM



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Monthly	
Quarterly	
Semi-Annual	
Annual	X

# FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

	ı			- —	1		0144 0	
DATE:	8/17/12						e. SW, Gran I., Portage M	d Rapids MI II
ARRIVAL TIME:	11:00AM			X			e Dr, Sagina	
				1 🗀			ite A-9, Wix	
WORK ORDER NUMBER:	244892			J [	] 1050 Art	oor Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION	ON (CORPORA	TE)		]	PROPERT	ΓΥ NAME		
Vanguard Fire & Security	/				Name:	WAYNE S	TATE - RAC	CKHAM - 499
2101 Martindale Ave. SW					Address:	60 FARNS	SWORTH	
Grand Rapids, MI 49509					DETROIT	, MI 48202		
				7				
Technician:	JASON JO	OHNSTON			Owner Co	ntact:	STEVE/DA	VID K
					Telephone	<b>)</b> :	586-556-10	021
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.
						<u> </u>		
	-		PRIOR TO AN		ı			
NOTIFICATIONS		YES	PHONE I	NUMBER		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	586-55	6-1021		AVID KUFFN	ER	6:30AM
MONITORING ENTITY	_	X			CAMPUS S	SECURITY		6:30AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY II	MPAIRMENTS							
		EIDE DI IM	P & JOCKEY	DI IMD INEOE	MATION			
		FIRE PUIVI	FIRE PUN		RIVIATION			
MANUFACTURER		ITT	111(21 011	RATE GPM			100	
MODEL		8X8X9.5	5	RATE PSI		1	110	
SERIAL NUMBER	0:	5-043261-0		PSI @ 150%	6		96	
TYPE		7L83		MAX PRES			147	
RATED RPM		3550		AUTO STAF			140	
IMPELLER SIZE		9.5		SATISFIED			180	
HORSE POWER		100		AUTO STO	)		YES	
WATER SUPPLY		CITY		RUN TIMER	2		7 MIN	
			FIRE PUMP	1	•	_		
MANUFACTURER		EMERSO	N	FRAME	365SP	RATED RP	M	3535
MODEL		AD3B		VOLTAGE	200	HZ		60
SERIAL NUMBER		FF10DS1		AMP	264	HORSE PC		100
TYPE		ELECTRI	С	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP	CONTROL			
MANUFACTURER	METRON	HORSE POWER RATING	3		100
MODEL	MP300-100-208C	VOLTAGE			208
SERIAL NUMBER	MA-05N19354-11	AMP RMS		10	00,000
	JOCKEY P	UMP DATA			
MANUFACTURER			1¼		
MODEL	CR-1	)		148	
SERIAL NUMBER	HK-05N19354-21	START PRESSURE (ON STOP PRESSURE (OFF)			165
HORSE POWER	1.5	VOLTAGE			208
	REMOTE ALAR	RMS PROVIDED			
DISPLAYED AT	PANEL IN LOBBY	PHASE REVERSAL		,	YES
PUMP RUNNING	YES	PUMP ROOM LOW TEM	P		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
	-				
	FIRE PUMP T	EST REPORT			
Inspection of Pump			YES	NO	N/A
System found in service?			X		
2. Fire pump controller in automatic service?			X		
3. Jockey pump controller in service on auto			X		
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					Х
Suction, discharge and bypass valves open	en?		Χ		
10. Piping, valves and fittings free from leaks			X		
11. Main relief valve functions ok?			Х		
Electronic Pump Inspection			YES	NO	N/A
Isolation switch and circuit breaker exercise	sed?		X		
Diesel Pump Inspection			YES	NO	N/A
1. Fuel tank at least two-thirds full?					Х
2. Controller selector switch in auto position?	)				X
Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					Х
8. Oil levels normal?					Х
9. Crankcase breather cleaned and ok?					Χ
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph paper	r present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



			TS YES	NO	N/A
Valves in proper position and in good condition?			X	NO	IVA
Are all valves listed for application?			X		
3. Valves locked, sealed or supervised?			X		
4. Are all valves tagged and identified?			X		
5. Jockey pump operational?			X		
6. Packing glands appear properly adjusted?			X		
7. Bi-monthly test records available?					Х
8. Were automatic starts performed?			X		
9. Were manual starts performed?			Χ		
10. Did automatic and manual starts and stops fur	nction properly?		Χ		
11. Remote alarm conditions demonstrated?			Χ		
12. Are drains operational and ok?			X		
13. Does fire pump shaft and coupling appear to be	e properly aligned?		X		
14. Does jockey pump appear to be aligned ok?			X		
15. Does fire pump have casing relief valve and do	es it function properly?			Χ	
16. Is test header in good condition and drained?				X	
<ol><li>Supplying tank or reservoir appears to be in sat</li></ol>	tisfactory condition?				X
18. Tank water level ok?					X
19. At completion, was pump returned to automatic	>	X			
20. Site personnel were offered instruction in pump	•		X		
21. Sensing lines for jockey and fire pump separate	9?		X		
22. Power transfer switch tested and ok?					X
	FLOW INSPECTION REPOR	_			
Fire Pump Flow Test Report	CHURN		FLOW	150%	6 FLOW
RPM During Test	3550	35			542
Voltage During Test	200 198 200	198 19		199 198 19	
Amperage During Test	225 220 225	275 27			301 300
Amperage During Test	223 220 223	2132	0 21 3	300 (	301 300
RATED NET HEAD	110				
SUCTION PRESSURE	42	1	7		17
DISCHARGE PRESSURE	188	118		118	
NET HEAD	146	101		101	
RATED GPM 100	00				
OUTLET A PITOT	NA	50	)3	· ·	550
OUTLET B PITOT		503		550	
OUTLET C PITOT	NA				
OUTLET D PITOT	NA				
OUTLET E PITOT	NA				
TOTAL FLOW	0	10	06	1	100
RATED % OF FLOW		10	1%	1	10%
	ump meet system specifications?	PASS		FAIL	X



		ווח	ESEL BATTER	Y INSPECTION				
TYPE			ISUAL	FUNCTION	NAI		COMMEN	ITC
BATTERY CONDITION		٧	N/A	FONCTIO	INAL		COMMEN	113
VOLTAGE			IN/A					
BATTERY SIZE								
CHARGER VOLTAGE								
OHAROER VOLTAGE								
	EMERGEN	CY COMM	UNICATION E	QUIPMENT:ON/	OFF MONITO	RING		
TYPE	YES	NO	TIME	1		OMMEN	rs	
ALARM SIGNAL	N/A					_	_	
ALARM RESTORAL	N/A							
TROUBLE SIGNAL	N/A							
TROUBLE RESTORAL	N/A							
SUPERVISORY SIGNAL	N/A							
SUPERVISORY RESTORAL	N/A							
		NOTIFICA	TIONS THAT	TESTING IS CO	//PLETE			
TYPE		YES		WHO				TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	STEVE / DAY	/ID KUFFNER			3	3:30 PM
MONITORING ENTITY		X	CAMPUS SE	CURITY			3	3:30 PM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPAIRMENTS								
ANJ (NOTIFIED) OF ANY IMPAI	IKIVIEIV I 2							
ANJ (NOTIFIED) OF ANY IMPAI	IRIVIEN 15							
·		RFORME	D IN ACCORD	ANCE WITH AP	PLICABLE NI	PA STA	NDARDS	
THIS TESTI	NG WAS PE						NDARDS	
THIS TESTI	NG WAS PE	OR'S CO	OMMENTS	AND RECO	MMENDA	TIONS		Y
THIS TESTI	NG WAS PE	OR'S CO	OMMENTS	AND RECO	MMENDA	TIONS		Y
THIS TESTI	NG WAS PE	OR'S CO	OMMENTS	AND RECO	MMENDA	TIONS		Y
THIS TESTI	NG WAS PE	OR'S CO	OMMENTS	AND RECO	MMENDA	TIONS		Y
THIS TESTI	NG WAS PE	OR'S CO	OMMENTS	AND RECO	MMENDA	TIONS		Y
THIS TESTI	NG WAS PE	OR'S CO	OMMENTS	AND RECO	MMENDA	TIONS		Y
THIS TESTI	NG WAS PE	OR'S CO	OMMENTS	AND RECO	MMENDA	TIONS		Y
THIS TESTI	NG WAS PE	OR'S CO	OMMENTS	AND RECO	MMENDA	TIONS		Y
THIS TESTII	NG WAS PE NSPECTO BEFORE LO	OR'S CO	OMMENTS	AND RECO	MMENDA	JE TO LO		Y 3:30 PM
THIS TESTII  IN  PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NORI	NG WAS PE NSPECTO BEFORE LO	OR'S CO	OMMENTS	AND RECO LE TO ACHIEVE  DATE	MMENDA 1100 GPM D 8/17/12	JE TO LO	OW SUPPL'	
THIS TESTII  IN  PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NORI	NG WAS PE NSPECTO BEFORE LO	OR'S CO	OMMENTS	AND RECO	MMENDA 1100 GPM D 8/17/12	JE TO LO	OW SUPPL'	
THIS TESTII  IN  PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NOR!	NG WAS PE NSPECTO BEFORE LO	OR'S CO	OMMENTS	AND RECO LE TO ACHIEVE  DATE	MMENDA 1100 GPM D 8/17/12	JE TO LO	OW SUPPL'	
THIS TESTII  IN  PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NOR!	NG WAS PE NSPECTO BEFORE LO	OR'S CO	OMMENTS	AND RECO LE TO ACHIEVE  DATE	MMENDA 1100 GPM D 8/17/12	JE TO LO	OW SUPPL'	
THIS TESTII  IN  PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	NG WAS PENSPECTO	OR'S CO	OMMENTS	AND RECO LE TO ACHIEVE  DATE	8/17/12	JE TO LO	OW SUPPL'	
THIS TESTII  IN PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NOR!  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	NG WAS PENSPECTO	OR'S CO	OMMENTS	DATE  JASON JOHN	8/17/12	JE TO LO	OW SUPPL'	
THIS TESTII  IN PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NG WAS PE NSPECTO BEFORE LO	OR'S CO	OMMENTS ON. ONLY AB	DATE  JASON JOHN	8/17/12	JE TO LO	OW SUPPL'	
THIS TESTII  IN  PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY O	MAL OPERA	ATION  RESENTA	OMMENTS ON. ONLY AB	DATE  JASON JOHN:  DAVID KUFFN	8/17/12 STON	JE TO LO	TIME	
THIS TESTII  IN PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENT  SIGNATURE OF PROPERTY O	MAL OPERA	ATION  RESENTA	OMMENTS ON. ONLY AB	DATE  JASON JOHN:  DAVID KUFFN	8/17/12 STON  Ye	JE TO LO	TIME  YES	
THIS TESTII  IN  PUMP FAILED T REACH 150%  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY O  Is system code compliant we have the noted deficiencies	MAL OPERA WHATIVE WHEREP	ATION  RESENTA	ON. ONLY AB	DATE  JASON JOHN:  DAVID KUFFN	8/17/12 STON  Ye Ye Ye	S or No	TIME  YES	
THIS TESTI	MAL OPERA WHATIVE WHER/REP With occupations been	ATION  RESENTA	ON. ONLY AB	DATE  JASON JOHN:  DAVID KUFFN	8/17/12 STON  Ye Ye Ye	JE TO LO	TIME  YES	



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Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA	9/10/2012 6:30AM 244802	RATE)		X 16	646 S. Sprinkle Ro 633 S. Champagn 3221 Beck Rd., So 050 Arbor Tech D	d., Portage M le Dr, Sagina uite A-9, Wixo	II w MI om MI	
Vanguard Fire & Secur	rity			Name: WAYNE STATE - THOMPSON HOME				- 504
2101 Martindale Ave. S		Address:	4756 CASS					
Grand Rapids, MI 4950		DETROIT, I	<u> </u>					
Grana Rapido, IVII 4000	,,,		_	DETITOTI, I	VII 40202			
Technician:	echnician: J. JOHNSTON			Owner Con	tact:	TONY / DAV	/ID K	
				Telephone:		313-684-78	804	
Telephone:	800-444-871	9		Approving A	Agency:	DETROIT F	FIRE DEPA	RTMENT
			PRIOR TO	O ANY TEST	ING			
NOTIFICATIONS		YES	PHONE NUMBERS			WHO	TIME	
BUILDING OCCUPANTS								
BUILDING MANAGEMEN	NT	X	(313)	684-7804	TONY / DAVID K			
MONITORING ENTITY		X			CAMPUS SECU	RITY		6:00AM
2ND MONITORING ENT								
AHJ (NOTIFIED) OF IMP	AIRMENTS							
			0)/07514	INFORMATI	0.11			
CENERAL INFORMATIO	NI (CI)		SYSTEM	INFORMATION	ON	VEC	NO	N/A
GENERAL INFORMATION  1. Is the building occurrence of the second of the		12				YES	NO	N/A
Is the building fully		. :				X		
3. System(s) in servi		fication sin	ce the last i	nspection?		X		
Spare heads and						X		
Stock/Storage a m					in place?		X	
6. Are all gauges in						X		
7. Wet system areas	•		•		'	X		
	<u> </u>							•



ΔΙ \	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	14/7
	Main control valves in good condition and identified?	X		
	Are control valves secure?	X		
	Are all control valves accessible & free from external leaks?			
		X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
		1 1/ 1		
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
1.	Are sprinkler heads of proper temperature rating?	X		
	Are riser(s) in good condition & unobstructed?	X		
<b>3</b> .	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
3.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			Х
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	^	Χ	
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
0.	Are backnow Freventers / Check valves present (if yes, complete rable 5)	^		
Λ.	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	123	X	IVA
	Did Central Station receive Flow Alarm Test?	V		
		X		
	Did Central Station receive Tamper Test?			
	Are alarm devices free from physical damage & all electrical connections secure?	X		.,
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
				1 1/
	Were low points drained during fall & winter inspections?			X
				X
	Were low points drained during fall & winter inspections?			
	Were low points drained during fall & winter inspections?  Are accelerator(s) in good condition?			X



т,	ABLE 1		ANI	TI-FREEZE	LOOP					
<u>''</u>		1		II-FREEZE	LUUP		No of Honda	T	. Da al-flass	T
	No.	Location o	т соор				No. of Heads	Type of	Backflow	Temp
		N/A								
		<u> </u>						<u> </u>		
		T								
	ABLE 2			AIN DRAIN						
Ri	iser No.	Drain Size	Static Pres		Residual I	Pressure (PSI)				
	1.	2	45	5						
	2.									
	3.									
	4.									
T	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.										
Loca	ation of D	rum Drains	s			•		Tested?	Yes	No
		R RM OF B							Х	
2.										
3.										
4.										
								1		
T.	ABLE 4	T T	CONTROL	VAI VE INI	FORMATION	J				
		I	Johnne		1	<u>.</u>			1	
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
	OS&Y		YES	YES	YES	YES	N/A	N/A	YES	YES
	ELEVATO	R 4TH FL	YES	YES	YES	YES	YES	N/A	N/A	N/A
1	ELEVATO		YES	YES	YES	YES	YES	N/A	N/A	N/A
						0		,	1 47 1	14/71
						1			1	
								<u> </u>		
т	ABLE 5	Ь	ACKFLOW/C	HECK AVI A	E INEODMA	TION				
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECTED	100	ATION
1.					4"					
		OR CHECK	GRINELL	A-Z		1963	2010		BASEMENT IN	
2.		OR BYPASS	NIBCO	SWING	3/4"	1963	2010		BASEMENT IN	
3.	ALARM C	HECK	RELIABLE	E	4"	1979	2010		BASEMENT IN	
4.	FDC		STANDARD	STD	4"	1977	2010		BASEMENT IN	N RM 010
5.										
6.										
			1		I	1				
7.										
7.										



		ON / OFF PR	EMISES MONI	TORING			
TYPE	YES	NO	TIME		COMMENTS		
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
		ICATIONS T	HAT TESTING	IS COMPLETE			
TYPE	YES			WHO		TIME	
BUILDING OCCUPANTS							
BUILDING MANAGEMENT	X	TONY				3:30 PM	
MONITORING ENTITY	X	CAMPUS	SECURITY				
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS	40 050500	MED IN 400	2000 4 1105 147	ITU ABBU 10 ABU E NE	DA OTANDA DDO		
				ITH APPLICABLE NF			
MISSING CHROME ESCUTCHEONS OUTE CEILING TILES MISSSING BY HEAD IN HA MAIN DRAIN DOES NOT ACCEPT FLOW IN	LLWAY BY RN	1 324	/I PANEL AND H	ALL BY RM 324			
SYSTEM RESTORED TO NORMAL OF	PERATION		DATE	9/10/12	TIME	12:00PM	
NAME OF INSPECTOR			J. JOHNSTON				
			J. JOHNSTC				
INSPECTOR'S SIGNATURE			J. JOHNSTC				
	ESENTATIVE		DAVID KUFF				
NAME OF PROPERTY OWNER/REPRI							
NAME OF PROPERTY OWNER/REPRI				FNER			
INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRI  SIGNATURE OF PROPERTY OWNER/  Is system code compliant with occ	REPRESENT	TATIVE	DAVID KUFF	FNER Yes or No	/ES		
NAME OF PROPERTY OWNER/REPRI SIGNATURE OF PROPERTY OWNER/ Is system code compliant with occ Have the noted deficiencies/violat	REPRESENT cupancy & ions been o	Stored com	DAVID KUFF	Yes or No Yes or No N	10		
NAME OF PROPERTY OWNER/REPRISIGNATURE OF PROPERTY OWNER/	REPRESENT cupancy & ions been o	Stored com	DAVID KUFF	Yes or No Yes or No N			



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

2101 Martindale Ave. SW, Grand Rapids MI

DATE:	9/10/2012			X		6 S. Sprinkie Ro 3 S. Champagn			
ARRIVAL TIME:	8:00AM				282	21 Beck Rd., Su 0 Arbor Tech Dr	iite A-9, Wixo	m MI	
WORK ORDER NUMBER:	244899				105	O Albor Tech Di	. Suite F, He	DIONKI	
SERVICE ORGANIZAT	ION (CORPOR	RATE)	]	PROPE	RTY I	NAME			
Vanguard Fire & Securit	ty			Name: WAYNE STATE - SKILLMAN - 510					
2101 Martindale Ave. SW				Address	s:	100 E. PALMER	₹		
Grand Rapids, MI 49509	9			DETRO	IT, MI	48202			
Technician:	echnician: JASON JOHNSTON			Owner (	Conta	ct:	DAVID KUFF	NER	
				Telepho	ne:		313-969-06	05	
Telephone:	800-444-871	19		Approvi	ng Ag	ency:	DETROIT F	IRE DEPA	RTMENT
		\/	PRIOR TO			NG			
NOTIFICATIONS		YES	PHONE NUMBERS			WHO		TIME	
BUILDING OCCUPANTS	_		(0.40) 000 0005					0.00.444	
BUILDING MANAGEMENT	I	X	(313) 9	(313) 969-0605 DAVID K.				8:00 AM	
MONITORING ENTITY 2ND MONITORING ENTIT	TV								
AHJ (NOTIFIED) OF IMPA									
ALIS (NOTILED) OF IMITA	MINICINIO								
			SYSTEM	INFORM	ATIO	N .			
GENERAL INFORMATION	N (GI)		0.0			-	YES	NO	N/A
1. Is the building occu	· /	t?					X		
2. Is the building fully								Χ	
<ol><li>System(s) in service</li></ol>	e without mod	ification sin	ce the last ir	spection	า?			Χ	
4. Spare heads and h	ead box with v	vrench seci	urely mounte	ed?			X		
5. Stock/Storage a mi	inimum of 18" l	below sprin	kler heads 8	ceiling	tiles ir	n place?			X
6. Are all gauges in g			oration, and	showing	norm	al pressures?	X		
7. Wet system areas	are adequately	/ heated?					X		



VΔI	VE INFORMATION	YES	NO	N/A
1.		X	110	14/7
2.		X		
	Are control valves secure?	X		
	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
	Valves lubricated?			Х
<u> </u>	valvoo lubiloatoa.			
SPF	RINKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.		X		
3.		X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.		X		
6.				X
7.				X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?			X
	FDC equipped with ball drip? (if yes, in good working order?)			Х
	Was Main Drain Test performed? (See Table 2)			Х
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
	, , , , , , , , , , , , , , , , , , ,	<del>-</del>		
AL/	ARM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
ι.				
	Did Central Station receive Flow Alarm Test?			X
2.	Did Central Station receive Flow Alarm Test?  Did Central Station receive Tamper Test?			X
2. 3.	Did Central Station receive Tamper Test?			X
2. 3. 1.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure?			
2. 3. 4.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure?  Is alarm valve trim OK & set properly?			X X X
2. 3. 4. 5.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure?			X
2. 3. 4. 5.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly?  No leakage from retard chambers or alarm drains?			X X X
2. 3. 4. 5.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly?  No leakage from retard chambers or alarm drains?	YES	NO	X X X
2. 3. 4. 5. 6. 7.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly? No leakage from retard chambers or alarm drains? Was Inspector Test performed and results OK?  / PIPE SYSTEM INSPECTION (DI)  Dry pipe valves in service & in good external condition?		NO	X X X X
2. 3. 4. 5. 6. 7.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly? No leakage from retard chambers or alarm drains? Was Inspector Test performed and results OK?  PIPE SYSTEM INSPECTION (DI)  Dry pipe valves in service & in good external condition?  Pressure & priming water OK?		NO	X X X X X
2. 33. 44. 55. 77. DRY	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly? No leakage from retard chambers or alarm drains? Was Inspector Test performed and results OK?  / PIPE SYSTEM INSPECTION (DI)  Dry pipe valves in service & in good external condition?		NO	X X X X X X
2. 33. 44. 55. 65. 77. 77.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly? No leakage from retard chambers or alarm drains? Was Inspector Test performed and results OK?  PIPE SYSTEM INSPECTION (DI)  Dry pipe valves in service & in good external condition?  Pressure & priming water OK?		NO	X X X X X N/A X
2. 3. 4. 5. 6. 7. DRY	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly?  No leakage from retard chambers or alarm drains?  Was Inspector Test performed and results OK?  Y PIPE SYSTEM INSPECTION (DI)  Dry pipe valves in service & in good external condition?  Pressure & priming water OK?  Air supply in good working order?		NO	X X X X X X N/A X X
2. 33. 44. 55. 66. 77. DRY 11. 22. 33.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly? No leakage from retard chambers or alarm drains? Was Inspector Test performed and results OK?  (**PIPE SYSTEM INSPECTION (DI)**  Dry pipe valves in service & in good external condition?  Pressure & priming water OK?  Air supply in good working order?  Were low points drained during fall & winter inspections?		NO	X X X X X X X X X
2. 3. 4. 5. 6.	Did Central Station receive Tamper Test?  Are alarm devices free from physical damage & all electrical connections secure? Is alarm valve trim OK & set properly? No leakage from retard chambers or alarm drains? Was Inspector Test performed and results OK?  / PIPE SYSTEM INSPECTION (DI)  Dry pipe valves in service & in good external condition?  Pressure & priming water OK?  Air supply in good working order?  Were low points drained during fall & winter inspections?  Are accelerator(s) in good condition?		NO	X X X X X X X X X X X X X X X X X



ABLE 1	ı								
		AN'	TI-FREEZE	LOOP					
No.	Location					No. of Heads	Type of	Backflow	Temp
	N/A						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	_								
ABLE 2		MA	AIN DRAIN	TEST					
ser No.	Drain Size	Size Static Pressure (PSI) Residual Pressure (PSI)							
1.		30	)						
2.									
3.									
4.									
ABLE 3		DR	Y SYSTEM	TEST				_	
	_						_		
Size	1	of Dry Valve	Full or P	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
	N/A								
								1	
	<u> </u>						T 4 10		
tion of D	rum Drain	ns .					Tested?	Yes	No
IT) ( A D O) (	E 0511 1110				001.4755		_		
II A ABOA	E CEILING	IN WOMENS E	BATHROOM	I - SYSTEM I	SOLATED		4		
							_		
							J		
ARIF 4	l	CONTROL	VAI VE IN	FORMATION	l				
IDEL T		T T	- VALVE IIV	IONIMATION	· 			1	1
									Tamper
Type o	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	_
OS&Y		YES	NO	YES	YES	NO	NO	YES	N/A
BALL		YES	YES	YES	YES	YES	NO	N/A	N/A
ABLE 5		BACKFLOW/CI	HECK VAL	/E INFORMA	TION				
PUR	POSE	MFG	MODEL	SIZE	YEAR	LAST INSP	ECTED	LOC	ATION
MAIN		KENNEDY	SWING	2"				KNAPP BUILD	ING RM 050
BACKFLO	W	AMES		2"				KNAPP BUILD	ING RM 050
					1				
								<u> </u>	
	ABLE 4  Type COS&Y BALL  ABLE 5 PUR	Ser No. Drain Size  1. 2. 3. 4.  ABLE 3 Valve Size Location N/A  tion of Drum Drain  ABLE 4  Type of Valve OS&Y BALL  ABLE 5 PURPOSE	Ser No. Drain Size Static Pres  1. 30 2. 3. 4.	Ser No. Drain Size Static Pressure (PSI)  1. 30 2. 3. 4.	Ser No. Drain Size Static Pressure (PSI) Residual F  1. 30 2. 3. 4.	Ser No. Drain Size Static Pressure (PSI)  1. 30 2. 3. 4. Static Pressure (PSI)  ABLE 3 DRY SYSTEM TEST  Valve Size Location of Dry Valve Full or Partial Trip Pressure  N/A Size Location of Dry Valve Full or Partial Trip Pressure  N/A Size Location of Dry Valve Full or Partial Trip Pressure  N/A Size Location of Dry Valve Size N/A Size Size Signs Open Secured  OS&Y YES NO YES YES  BALL YES YES YES YES  BALL YES YES YES YES  ABLE 5 BACKFLOW/CHECK VALVE INFORMATION  PURPOSE MFG MODEL SIZE YEAR  MAIN KENNEDY SWING 2"	See No.   Drain Size   Static Pressure (PSI)   Residual Pressure (PSI)	Ser No.   Drain Size   Static Pressure (PSI)   Residual Pressure (PSI)	Ser No.   Drain Size   Static Pressure (PSI)   Residual Pressure (PSI)



		N / OFF PRE	MISES MONIT	ORING		
TYPE	YES	NO NO	TIME	I	COMMENTS	<u> </u>
ALARM SIGNAL	N/A	110	111112		OOMMENT	,
ALARM RESTORAL	N/A					
ROUBLE SIGNAL	N/A					
ROUBLE RESTORAL	N/A					
SUPERVISORY SIGNAL	N/A					
SUPERVISORY RESTORAL	N/A					
	1 11 11 11					
	NOTIFI	CATIONS TH	AT TESTING I	S COMPLETE		
YPE	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	Х	LARRY WIL	SON			9:00AM
MONITORING ENTITY						
ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING WA	S PERFORI	MED IN ACC	ORDANCE WI	TH APPLICABLE	NFPA STANDARD	S
INSDE	CTORIS	COMMEN	TS AND RI	COMMENDA	ZIONS	
1) wet for skillman has been removed and plu	ugged main va	live is secured.				
i) wet for skillman has been removed and pli	ugged main va	live is secured.				
		live is secured.	DATE	9/10/	12 <b>TIM</b>	<b>E</b> 9:00 AM
SYSTEM RESTORED TO NORMAL OPI		live is secured.			12 <b>TIM</b>	<b>E</b> 9:00 AM
SYSTEM RESTORED TO NORMAL OPI		live is secured.	DATE  J. JOHNSTOI		12 <b>TIM</b>	<b>E</b> 9:00 AM
SYSTEM RESTORED TO NORMAL OPI		live is secured.			12 <b>TIM</b>	<b>E</b> 9:00 AM
SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE	ERATION			N	12 TIM	<b>E</b> 9:00 AM
SYSTEM RESTORED TO NORMAL OPI NAME OF INSPECTOR NSPECTOR'S SIGNATURE	ERATION		J. JOHNSTOI	N	12 <b>TIM</b>	<b>E</b> 9:00 AM
SYSTEM RESTORED TO NORMAL OPENIAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE	ERATION SENTATIVE REPRESENT	ATIVE	J. JOHNSTOI	NER		E 9:00 AM
SYSTEM RESTORED TO NORMAL OPENIAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/RES	ERATION  SENTATIVE REPRESENT	ATIVE	J. JOHNSTOI	NER Yes or No	YES	E 9:00 AM
SYSTEM RESTORED TO NORMAL OPENAME OF INSPECTOR  NAME OF INSPECTOR  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/REPRE  S system code compliant with occurate the noted deficiencies/violations be	ERATION  SENTATIVE REPRESENT  Supancy & sons been c	ATIVE	J. JOHNSTOI DAVID KUFF	NER		E 9:00 AN



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER	9/10/2012 9:00AM R: 244861			76 X 16 28	01 Martindale Av 346 S. Sprinkle Ro 333 S. Champagn 3221 Beck Rd., So 350 Arbor Tech Di	d., Portage M e Dr, Sagina uite A-9, Wixo	II w MI om MI	I
SERVICE ORGANIZ	ZATION (CORPO	RATE)	]	PROPERTY	NAME			
Vanguard Fire & Sec	curity			Name:	WAYNE STATE	E - APPELBA	UM COLLE	GE OF
2101 Martindale Ave. SW				Address:	PHARMACY			
Grand Rapids, MI 49				259 MACK				
Orana Itapias, ivii 40	5505		<u>.</u>		AL 49202			
			1	DETROIT, N		<u> </u>		
Technician:	J. JOHNSTO	ON	-	Owner Contact: DAVID KUFFNER				
			Telephone: (313) 753-8865					
Telephone:	800-444-871	19	Approving Agency: DETRO			DETROIT F	OIT FIRE DEPARTMENT	
				O ANY TEST	ING			
NOTIFICATIONS	<del></del>	YES	PHONE	NUMBERS		WHO		TIME
BUILDING OCCUPAN		V	(040)	004.0000	TONIX / DAVID I	HEENED		0.00 414
BUILDING MANAGEM MONITORING ENTITY		X	(313)	684-0899	TONY / DAVID K CAMPUS SECUR			9:00 AM 9:00 AM
2ND MONITORING ENTIT		^			CAIVIPUS SECUI	XIII		9.00 AW
AHJ (NOTIFIED) OF I								
- / - / -								
			SYSTEM	INFORMATIO	ON			
GENERAL INFORMA	TION (GI)					YES	NO	N/A
<ol> <li>Is the building of</li> </ol>		t?				X		
<ol><li>Is the building f</li></ol>	• •					X		
<ol><li>System(s) in se</li></ol>						X		
4. Spare heads ar							X	
5. Stock/Storage a							X	
6. Are all gauges			oration, and	snowing nori	mal pressures?	X		<del> </del>
7. Wet system are	eas are adequately	neated?				X		



	·			
\/ A I	VE INFORMATION	YES	NO	N/A
1.	Are all main control valves open?	X	NO	IN/A
2.	Main control valves open:  Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
_	Are all control valves accessible & free from external leaks?	X		
4.		X		
5.	Are all control valves provided with the proper operators?			
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	X		
SDD	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
1.	Are all sprinkler heads unobstructed?	X	110	IV/A
2.	Are sprinkler heads thoustructed:  Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
		X		
4.	Are sprinkler heads of proper temperature rating?			
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
7.	System ID securely attached & legible?	X		
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?	X		
	Fire Department Connection (FDC) & Caps OK?		X	
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)		X	
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
				A1/A
	RM INFORMATION (AI)	YES	NO	N/A
<u>1.</u>	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?		X	
				A1/A
	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?	X		
2.	Pressure & priming water OK?	X		
3.	Air supply in good working order?	X		
4.	Were low points drained during fall & winter inspections?			X
5.	Are accelerator(s) in good condition?			X
6.	All dry valves have been trip tested & OK (See Table 3)	X		
7.	Dry pipe valves are in heated area?	X		
8	Was customer informed that they need to drain all drum drips on a monthly basis?			X



_	ABLE 1	<u> </u>	Δ ΝΙ'	TI EDEE7E I	LOOP					
<u> </u>	No.	Location o		TI-FREEZE	LUUP		No. of Heads	Type of	Backflow	Temp
-	NO.	N/A	ГЕООР				No. of fleaus	i ype oi	Dackilow	тепір
		14/74								
-										
T.	ABLE 2		M	AIN DRAIN 1	ΓEST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	17	5		N/A				
	2.									
	3.									
	4.									
	5.									
	45155									
_Т	ABLE 3 Valve	-	DR	Y SYSTEM	IEST	Starting Air			Trip Air	
No.	Size	I ocation o	f Dry Valve	Full or D	artial Trip	Starting Air Pressure	Starting Water	Praccura	Trip Air Pressure	Trip Time
1.	3		MECH ROOM		TIAL	49	170	Ticoourc	20	25 SEC
2.		BAGEMENT	MEGITICOM	1741		10	110		20	20 020
3.										
Loc	ation of D	rum Drains	S					Tested?	Yes	No
1.	N/A									
2.	RECOMM	END ADDIN	G A DRUM DI	RAIN ON DR	Y SYSTEM.	AT RISER TO B	E USED AS			
3.	A INSPE	CTORS TES	ST VALVE							
4.										
	ABLE 4		CONTROL	_ VALVE IN	FORMATION	<u> </u>		ı	1	T
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
2	MAIN/BACKF		YES	NO	YES	YES	N/A	N/A	YES	YES
3	PUMP (OS		YES	NO	YES	YES	N/A	N/A	YES	YES
1	BYPASS (	BUTTERFLY)	YES	NO	YES	YES	N/A	N/A	YES	YES
1	JOCKEY (		YES	NO	YES	YES	N/A	N/A	YES	YES
1	TEST HD	(BUTTERFLY)	YES	NO	YES	YES	N/A	N/A	YES	YES
2		(BUTTERFLY)	YES	NO	N/C	YES	N/A	N/A	YES	YES
1	ELEVATO	R (BBALL)	YES							YES
	ABLE 5		ACKFLOW/C						1	4 = 1 4 1
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPE		-	ATION
1.	1	R CHECK	GP	416-53096	8"	2000	2010		-	MECH ROOM
2.	MAIN	2011	NIBCO	KW900N	8" 3/!!	2000	2010			MECH ROOM
3.	BYPASS D	JUU	SWING CHECK	BRASS	3/4"	2000	2010			MECH ROOM
	1001/75		CIMINIO OLIFOIA	BRASS	11/4"	2000	2010		<b>BASEMENT</b>	MECHROOM
4.	JOCKEY		SWING CHECK			0000	000			
5.	PUMP		NIBCO	KW900W	6"	2000	2010		BASEMENT	MECH ROOM
						2000 2000 2000	2010 2010 2010		BASEMENT BASEMENT	



	C	N / OFF PRE	MISES MONIT	ORING		
TYPE	YES	NO	TIME		MMENTS	
ALARM SIGNAL	X	1				
ALARM RESTORAL	X					
FROUBLE SIGNAL	X					
FROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
VDE		CATIONS TH	AT TESTING I			T13.65
TYPE	YES	_		WHO		TIME
BUILDING OCCUPANTS		TOND ( / D A)	#B ###E			45.514
BUILDING MANAGEMENT	X		VID KUFFNER			:45 PM
MONITORING ENTITY	X	CAMPUS S	ECURITY		3	:45 PM
NO MONITORING ENTITY	<u> </u>					
AHJ (NOTIFIED) OF IMPAIRMENTS		MED IN ACC	ODDANCE WIT	H APPLICABLE NFPA ST	ANDARDS	
				COMMENDATIONS		
IINS	DECIUR 3	1 . C ) IVI IVI I— IVI				
ADOD CEILING NEEDS ADDED IN MIC						
	ROSCOPE CLOSE	T OF LAB 542	1 TO MAKE SPR	INKLER ORIENTATION CORI	RECT	
	ROSCOPE CLOSE	T OF LAB 542	1 TO MAKE SPR	INKLER ORIENTATION CORI	RECT	
RELIEFT VALVE FOR SYSTEM IN STAI	ROSCOPE CLOSE	T OF LAB 542° ES BY (IN PRO	TO MAKE SPR	INKLER ORIENTATION CORI NG REPAIRED, PLUGGED FO	RECT DR NOW)	LL HEAD BOX
RELIEFT VALVE FOR SYSTEM IN STAI IO CONCELLED HEADS IN SPARE HE	ROSCOPE CLOSE RWELL 2B. LEAK ADBOX AND MOR	T OF LAB 542 ES BY (IN PRC E ¾" VIKING C	TO MAKE SPR OGRESS OF BEII CHROME 17/32 C	INKLER ORIENTATION CORI NG REPAIRED, PLUGGED FO PRIFICES ELO K FACTOR 11.	RECT OR NOW) 5 NEEDED TO FII	LL HEAD BOX
RELIEFT VALVE FOR SYSTEM IN STAI NO CONCELLED HEADS IN SPARE HE STORAGE TO CLOSE TO SPRINKLER	ROSCOPE CLOSE IRWELL 2B. LEAK ADBOX AND MOR ON SHELF IN RM	T OF LAB 542 ES BY (IN PRO E ¾" VIKING O 4254. RECOM	TO MAKE SPR OGRESS OF BEIL CHROME 17/32 C MEND INSPECT	INKLER ORIENTATION CORING REPAIRED, PLUGGED FOR PRIFICES ELO K FACTOR 11.  ORS TEST FOR DRY SYSTE	RECT DR NOW) 5 NEEDED TO FII M	LL HEAD BOX
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YES

Yes or No

Have the deficiencies/violations been authorized for repair?

If no, please explain reason:		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

				1	1 0404 14		0144 0	
DATE:	9/10/12						e. SW, Gran I., Portage M	d Rapids MI II
ARRIVAL TIME:	9:00AM			X			e Dr, Sagina	
				1 🗀			ite A-9, Wix	
WORK ORDER NUMBER:	244861			J	1050 Ark	oor Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION	(CORPORA	ATE)		7	PROPERT	TY NAME		
Vanguard Fire & Security	•	•			Name:	WSU - AP	PI FBAUM F	PHARMACY
2101 Martindale Ave. SW					Address:	259 MACK		100000
						<u> </u>	<u> </u>	
Grand Rapids, MI 49509					DETROIT	MI 48202		
	1			7				
Technician:	J. JOHNS	TON			Owner Co	ntact:	DAVID KU	FFNER
					Telephone	<b>)</b> :	(313) 577-0	0311
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.
·						Ŭ ,		
	1		PRIOR TO AN		ı			
NOTIFICATIONS		YES	PHONE I	NUMBER		WHO		TIME
BUILDING OCCUPANTS			( )		TONY			9:00 AM
BUILDING MANAGEMENT MONITORING ENTITY		X	(313) 68	34-0899	CAMPUS S	FNER / BILL	AARON	9:00 AM 9:00 AM
2ND MONITORING ENTITY		^			CAMPUS	DECURIT		9.00 AW
AHJ (NOTIFIED) OF ANY IMPA	JRMENTS							
THE (NOTH LED) OF THAT IN T	UI (WILLIATO							
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUN	IP DATA				
MANUFACTURER		ITT		RATE GPM			1000	
MODEL		SPLITCAS	SE	RATE PSI			120	
SERIAL NUMBER	C	0-032636-0	1-01	PSI @ 150%	, 0		108	
TYPE		8100		MAX PRES			130	
RATED RPM		1780		AUTO STAF			135	
IMPELLER SIZE		17.2		SATISFIED			180	
HORSE POWER		60		AUTO STO				
WATER SUPPLY		CITY		RUN TIMER	<u> </u>			
MANUICACTURER		US ELECT	FIRE PUMP	1	40570	IDATED DD	N /	4700
MANUFACTURER	+		KIU	FRAME VOLTAGE	405TS	RATED RP	IVI	1780
MODEL SERIAL NUMBER	D07	AD05A 01058178-0	11P-D1	AMP	460 141	HORSE PC	\\/ED	60 60
TYPE	וווע	ELECTRI		PHASE	3	SERVICE F		1.15
1111 6		LLECTRI		II HAGE	J	OLIVIOE F	ACTOR	1.10



<u> </u>							
		CONTROL					
MANUFACTURER	JOSLYN-CLARK	HORSE POWER RATING		125			
MODEL	C3C214-4T4	VOLTAGE			480		
SERIAL NUMBER	201816	AMP RMS		10	0,000		
		PUMP DATA					
MANUFACTURER	GRUNDFOS		NLET/OUTLET SIZE 11/4"				
MODEL	CR-2	START PRESSURE (ON) 155					
SERIAL NUMBER	F400	STOP PRESSURE (OFF	)	175			
HORSE POWER	2	VOLTAGE			460		
5.051.0753.45		RMS PROVIDED					
DISPLAYED AT	LOBBY PANEL	PHASE REVERSAL			NO		
PUMP RUNNING	YES	PUMP ROOM LOW TEM	Р		N/A		
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A		
	FIDE DUMP	FEAT DEBODT					
Inspection of Pump	FIRE PUMP	TEST REPORT	YES	NO	N/A		
1. System found in service?			X	NO	IN/A		
Fire pump controller in automatic service?			X				
3. Jockey pump controller in service on auto			X				
4. Is alarm panel clear?			X				
5. Is pump room secure?	X						
6. Heat, light and ventilation ok?			X				
7. Is pump room clean, dry and orderly?			X				
8. Ventilating louvers free to operate?					Х		
Suction, discharge and bypass valves ope	n?		Х				
10. Piping, valves and fittings free from leaks			X				
11. Main relief valve functions ok?	•		X				
Electronic Pump Inspection			YES	NO	N/A		
Isolation switch and circuit breaker exercis	ed?		Χ		-		
Diesel Pump Inspection			YES	NO	N/A		
1. Fuel tank at least two-thirds full?					X		
2. Controller selector switch in auto position?					X		
3. Battery voltage and reading normal?					X		
4. Battery charging current reading normal?					X		
5. Battery terminal free from corrosion?					X		
6. Battery acid level ok?					X		
7. All alarm indicators off?					X		
8. Oil levels normal?					X		
9. Crankcase breather cleaned and ok?					Χ		
10. Water strainer cleaned?					Χ		
11. Wire chafing inspected?					Χ		
12. Pressure recorder reset and graph paper	present?				X		
13. Engine coolant level normal?					X		
14. Does Heat Exchanger Solenoid function	properly?				X		



		E PUMP AND PIPING	30 3.12.	YES	NO	N/A
Valves in proper position and in good condition	nn?			X	NO	IN/A
2. Are all valves listed for application?	511:			X		
3. Valves locked, sealed or supervised?				X		
4. Are all valves tagged and identified?				X		
5. Jockey pump operational?				X		
6. Packing glands appear properly adjusted?				X		
7. Bi-monthly test records available?					Χ	
8. Were automatic starts performed?				X		
9. Were manual starts performed?				X		
10. Did automatic and manual starts and stops	function prop	perly?		X		
11. Remote alarm conditions demonstrated?				X		
12. Are drains operational and ok?				Χ		
13. Does fire pump shaft and coupling appear to		aligned?		X		
14. Does jockey pump appear to be aligned ok?				X		
15. Does fire pump have casing relief valve and		ion properly?		X		
<ol><li>16. Is test header in good condition and drained</li></ol>				X		
17. Supplying tank or reservoir appears to be in	satisfactory of	condition?				X
18. Tank water level ok?						X
19. At completion, was pump returned to automa			?	X		
20. Site personnel were offered instruction in pu		ns?				X
21. Sensing lines for jockey and fire pump separ				X		
22. Power transfer switch tested and ok? DOU	JBLE ENDED SY	STEM		X		
	EL 014	INODESTICAL DEDGE	· <del>-</del>			
Fire Dumn Flow Toot Deport	FLOW	INSPECTION REPOR	,	FLOW	150	% FLOW
Fire Pump Flow Test Report RPM During Test	_	1796		792		<del>% FLOW</del> 1789
Voltage During Test		485 485 483		84 476		480 480
Amperage During Test		67 67 68		09 110		131 130
Amperage During Test		07 07 00	109 1	09 110	101	131 130
RATED NET HEAD		120	7			
SUCTION PRESSURE		52		<del></del>		42
DISCHARGE PRESSURE		175		68		153
NET HEAD		123		23		111
RATED GPM	1000	0				
OUTLET A PITOT		NA	5	03		750
OUTLET B PITOT		NA		03		750
OUTLET C PITOT		NA				
OUTLET D PITOT		NA				
OUTLET E PITOT		NA				
TOTAL FLOW		0	10	006		1500
RATED % OF FLOW			10	1%		150%
	Dump moot	system specifications?	PASS	X	FAIL	



		DIE	SEL BATTER	Y INSPECTION			
TYPE		V	ISUAL	FUNCTIONA	L	COMMEN	NTS
BATTERY CONDITION			N/A				
/OLTAGE							
BATTERY SIZE							
CHARGER VOLTAGE							
	1		1	QUIPMENT:ON/OFF			
TYPE	YES	NO	TIME		СОММЕ	NTS	
ALARM SIGNAL	X		<u> </u>				
ALARM RESTORAL	X						
FROUBLE SIGNAL	X						
ROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X		1				
SUPERVISORY RESTORAL	X		<u> </u>	<u> </u>			
			TIONS THAT T	ESTING IS COMPL	ETE	_	
TYPE		YES	<u> </u>	WHO			TIME
BUILDING OCCUPANTS							
BUILDING MANAGEMENT		X	TONY / DAVII				3:00PM
MONITORING ENTITY		X	CAMPUS SEC	CURITY			3:00PM
ND MONITORING ENTITY							
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS						
,		ПЕОВМЕ	D IN ACCORD	ANCE WITH A DDI I	CADI E NEDA C	TANDADDC	
THIS TESTIN	NG WAS PE			ANCE WITH APPLI			
THIS TESTIN	NG WAS PE	OR'S CC	MMENTS A	ANCE WITH APPLI			
THIS TESTING IN THIS TESTING IN THE	NG WAS PE ISPECTO LY AT TIM	OR'S CO	DMMENTS A	AND RECOMM	IENDATION	S	NI DO LIAG NONE
THIS TESTING IN THIS TESTING IN THE	NG WAS PE ISPECTO LY AT TIM	OR'S CO	DMMENTS A	AND RECOMM	IENDATION	S	BLDG HAS NON
THIS TESTING IN THIS TESTING IN THE	NG WAS PE ISPECTO LY AT TIM UBLE ENDE	OR'S CO IE OF INS O AN GOES	DMMENTS A	AND RECOMM	IENDATION	S	3:00PM
THIS TESTINING IN PUMP OPERATED PROPER NOTE: POWER TO SYSTEM IS DOI SYSTEM RESTORED TO NORM	NG WAS PE ISPECTO LY AT TIM UBLE ENDE	OR'S CO IE OF INS O AN GOES	DMMENTS A	NSFER SWITCH NOT	TIED INTO ANY	S GENERATOR, E	
THIS TESTINING IN PUMP OPERATED PROPER NOTE: POWER TO SYSTEM IS DOI SYSTEM RESTORED TO NORM	NG WAS PE ISPECTO LY AT TIM UBLE ENDE	OR'S CO IE OF INS O AN GOES	DMMENTS A	AND RECOMM	TIED INTO ANY	S GENERATOR, E	
THIS TESTIN	NG WAS PE ISPECTO LY AT TIM UBLE ENDE	OR'S CO IE OF INS O AN GOES	DMMENTS A	NSFER SWITCH NOT	TIED INTO ANY	S GENERATOR, E	
THIS TESTINING IN PUMP OPERATED PROPER NOTE: POWER TO SYSTEM IS DOI SYSTEM RESTORED TO NORM NAME OF INSPECTOR	NG WAS PE ISPECTO LY AT TIM UBLE ENDED	OR'S CO IE OF INS O AN GOES	DMMENTS A	NSFER SWITCH NOT	TIED INTO ANY	S GENERATOR, E	
THIS TESTINING IN PUMP OPERATED PROPER NOTE: POWER TO SYSTEM IS DO SYSTEM RESTORED TO NORM NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN	NG WAS PE ISPECTO LY AT TIM UBLE ENDED MAL OPERA	DR'S CC IE OF INS D AN GOES	DMMENTS A	DATE  J. JOHNSTON	TIED INTO ANY	S GENERATOR, E	
THIS TESTINING IN PUMP OPERATED PROPER NOTE: POWER TO SYSTEM IS DO SYSTEM RESTORED TO NORM NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN	NG WAS PE ISPECTO LY AT TIM UBLE ENDED  MAL OPERA  ITATIVE  WNER/REP	OR'S CO TE OF INS TO AN GOES  ATION	DIMMENTS A	DATE  J. JOHNSTON  DAVID KUFFNER	PIENDATION  TIED INTO ANY (	S GENERATOR, E	
THIS TESTINING IN PUMP OPERATED PROPER NOTE: POWER TO SYSTEM IS DOI SYSTEM RESTORED TO NORM NAME OF INSPECTOR NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEN SIGNATURE OF PROPERTY OF	NG WAS PE ISPECTO LY AT TIM UBLE ENDED  MAL OPERA  MAL OPERA  MAL OPERA  MAL OPERA  MAL OPERA  MAL OPERA  MAL OPERA  MAL OPERA  MAL OPERA  MAL OPERA  MAL OPERA  MITATIVE	OR'S CO IE OF INS D AN GOES  ATION  PRESENTA ancy & st	DIMMENTS A PECTION THROUGH TRA	DATE  J. JOHNSTON  DAVID KUFFNER	9/10/12  Yes or N	S  GENERATOR, E  TIME	
THIS TESTINING IN PUMP OPERATED PROPER NOTE: POWER TO SYSTEM IS DOI SYSTEM RESTORED TO NORM NAME OF INSPECTOR INSPECTOR'S SIGNATURE	MAL OPERATIVE WNER/REPAIRS	OR'S CO IE OF INS D AN GOES  ATION  RESENTA ancy & st s been co	TIVE  ored common rected?	DATE  J. JOHNSTON  DAVID KUFFNER	PIENDATION  TIED INTO ANY (	TIME  TIME	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER  SERVICE ORGANIZ  Vanguard Fire & Sec  2101 Martindale Ave  Grand Rapids, MI 49	CATION (CORPORTING)  Curity  . SW	RATE)		X	MAZUREK M 4325 BRUSH	Rd., Portage M gne Dr, Sagina Suite A-9, Wixe	II w MI om MI ebron KY		
Grand Kapius, IVII 48	3509		J	DETROIT,	, IVII 40202				
Technician:	hnician: J. JOHNSTON			Owner Co	ntact:	GERALD / D	GERALD / DAVID KUFFNER		
			Telephone:		313-684-0852				
Telephone:	elephone: 800-444-8719			Approving Agency:		DETROIT F	DETROIT FIRE DEPARTMENT		
			PRIOR TO	ANY TES	STING				
NOTIFICATIONS		YES		NUMBERS		WHO		TIME	
BUILDING OCCUPAN	TS								
BUILDING MANAGEM	ENT	X	(313)	(313) 684-0852 DAVID KUFFNE		ER/HAROLD 7		7:00AM	
MONITORING ENTITY		X	1		CAMPUS SEC	URITY		7:00AM	
2ND MONITORING EN									
AHJ (NOTIFIED) OF IN	MPAIRMENTS								
			CVCTEM	INICODMAT	FION				
GENERAL INFORMA	TION (GI)		STOTEM	INFORMAT	IUN	YES	NO	N/A	
	occupied as in pas	et?				X	NO	N/A	
Is the building for the state of the building for the building for the building for the state of the building for the bu						X			
	rvice without mod	lification sin	ce the last in	nspection?		X			
	nd head box with v					X			
	a minimum of 18"				es in place?	X			
6. Are all gauges i	n good condition,	in 5-yr calil	bration, and	showing no	ormal pressures?	X			
<ol><li>Wet system are</li></ol>	as are adequately	heated?				X			



'AL'	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
<del>2.</del> 3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.		^		\ <u>\</u>
7.	Valves lubricated?			X
חחי	INIZI ED 9 DIDING INFORMATION (CI)	VEC	NO	NI/A
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
7.	System ID securely attached & legible?	X		
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)	X		
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Ale Backlow Fleveliters / Check Valves present (ii yes, complete Table 3)	^		
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	NO	IN/A
1.		-		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			Х
3.	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
₹.	Are accelerator(s) in good condition?			X
5.				X
4. 5. 6. 7.	All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?			X



Т	ABLE 1		AN'	TI-FREEZE	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
	1	1ST FLR S	TAIRWELL A	COVERS FR	ONT ENTRY	(	1	1" AMI	ES 4000B	-30°
Т	ABLE 2		MA	AIN DRAIN T	ΓEST					
R	iser No.	Drain Size	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	17	7		162				
	2.									
	3.									
	4.									
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size	+	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.		1								
3.		Dunius Dunius						T410	Vaa	NI-
LOC	ation of L	rum Drains	5					Tested?	Yes	No
	DICEDO A	DE INICEAU	DC A AND CT	AIDC D						
1.	RISERS A	RE IN STAI	RS A AND STA	AIRS B				-	$\vdash$	
1. 2.	RISERS A	ARE IN STAII	RS A AND STA	AIRS B						
1. 2. 3.	RISERS A	ARE IN STAII	RS A AND STA	AIRS B				-		
1. 2. 3.	RISERS A	ARE IN STAII	RS A AND STA	AIRS B						
1. 2. 3. 4.	RISERS A	ARE IN STAII			FORMATION					
1. 2. 3. 4.		ARE IN STAII			FORMATION					_
1. 2. 3. 4.	ABLE 4		CONTROL	_ VALVE INF			Soulad	Looked	Supervised	Tamper
1. 2. 3. 4. T	ABLE 4	of Valve	CONTROL	VALVE INI	Open	Secured	Sealed N//A	Locked		Operationa
1. 2. 3. 4. T Qty	Type	of Valve	CONTROL Accessible YES	Signs	Open YES	Secured YES	N/A	N/A	YES	Operationa YES
1. 2. 3. 4. T Qty 2	Type MAIN (OS PUMP (OS	of Valve	CONTROL Accessible YES YES	Signs NO NO	Open YES YES	Secured YES YES	N/A N/A	N/A N/A	YES YES	Operationa YES YES
1. 2. 3. 4. T Qty	Type	of Valve :&Y) S&Y) (BFLY)	CONTROL Accessible YES	Signs	Open YES	Secured YES	N/A	N/A	YES	Operationa YES
1. 2. 3. 4. T Qty 2 1 3	Type MAIN (OS PUMP (OS BYPASS)	of Valve 8&Y) S&Y) (BFLY) (OS&Y)	CONTROL Accessible YES YES YES	Signs NO NO NO	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	N/A N/A N/A	YES YES YES	Operationa YES YES YES
1. 2. 3. 4. T	Type (MAIN (OS PUMP (OS BYPASS (JOCKEY))	of Valve S&Y) S&Y) (BFLY) (OS&Y) R (BBALL)	CONTROL  Accessible  YES  YES  YES  YES  YES	Signs NO NO NO NO	Open YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A YES	N/A N/A N/A N/A	YES YES YES NO	Operationa YES YES YES N/A
1. 2. 3. 4. T Qty 2 1 3 2 3	MAIN (OS PUMP (OS BYPASS () JOCKEY () ELEVATOR	of Valve (%Y) (%Y) (BFLY) (OS&Y) (R (BBALL)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES	Signs NO NO NO NO NO YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A N/A N/A YES N/A	N/A N/A N/A N/A N/A	YES YES YES NO YES	Operationa YES YES YES YES N/A YES
1. 2. 3. 4. T Qty 2 1 3 2 3 11 1	Type (MAIN (OS) PUMP (OS) BYPASS (I) JOCKEY (I) ELEVATOR SECTIONA BALL AF (I)	of Valve 6&Y) S&Y) (BFLY) (OS&Y) R (BBALL)	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  YE	Signs NO NO NO NO YES YES NO	Open YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A	YES YES YES NO YES YES YES	Operationa YES YES YES N/A YES YES YES
1. 2. 3. 4. T Qty 2 1 3 2 3 11 1	Type MAIN (OS PUMP (OS BYPASS ) JOCKEY (ELEVATOR SECTIONA BALL AF I	of Valve (S&Y) (S&Y) (BFLY) (OS&Y) (R (BBALL) (LLOOP	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  YES  ACKFLOW/C	Signs NO NO NO NO YES YES NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A YES N/A N/A YES	N/A N/A N/A N/A N/A N/A N/A	YES YES YES NO YES YES N/A	Operationa YES YES YES N/A YES N/A YES N/A
1. 2. 3. 4.  T  Qty 2 1 3 2 3 11 1  T No.	Type (MAIN (OS) PUMP (OS) BYPASS (IELEVATOR) SECTIONA BALL AF (IELEVATOR) TABLE 5 PUR	of Valve (%Y) (%Y) (BFLY) (OS&Y) (R (BBALL) (LOOP  BRPOSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C	Signs NO NO NO NO YES YES NO HECK VALV	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A YES N/A N/A YES LAST INSPI	N/A N/A N/A N/A N/A N/A N/A	YES YES NO YES YES N/A	Operationa YES YES YES N/A YES YES N/A YES N/A
1. 2. 3. 4. T Qty 2 1 3 2 3 11 1 T No. 1.	Type (MAIN (OS PUMP (OS BYPASS)) JOCKEY (ELEVATOR SECTIONA BALL AF I	of Valve (%Y) (%Y) (BFLY) (OS&Y) (CS&Y) (BBALL) (COP  BRPOSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/COMFG  AMES	Signs NO NO NO YES YES NO HECK VALVE MODEL 3000SS	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A YES N/A N/A YES	N/A N/A N/A N/A N/A N/A N/A	YES YES NO YES YES N/A LOC/	YES YES YES N/A YES N/A YES N/A YES N/A  ATION RM 139
1. 2. 3. 4. T Qty 2 1 3 2 3 11 1 No. 1. 2.	Type (MAIN (OS PUMP (OS BYPASS (DOCKEY)) ELEVATOR SECTIONA BALL AF (DOCKEY) BACKFLO BACKFLO	of Valve (%Y) (%Y) (BFLY) (OS&Y) (R (BBALL) (LOOP  BRPOSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C  MFG  AMES  AMES	Signs NO NO NO YES YES NO HECK VALVE MODEL 3000SS 2000B	Open YES YES YES YES YES YES YES YES YES YES	Secured   YES	N/A N/A N/A YES N/A N/A YES LAST INSPI	N/A N/A N/A N/A N/A N/A N/A	YES YES NO YES YES N/A LOC/	YES YES YES N/A YES N/A YES N/A YES N/A  ATION RM 139 RM 139
1. 2. 3. 4. T Qty 2 1 3 2 3 11 1 T No. 11. 2. 3.	Type (MAIN (OS) PUMP (OS) BYPASS (I) JOCKEY (I) ELEVATOR SECTIONA BALL AF (I) BACKFLO BACKFLO PUMP	of Valve (%Y) (%Y) (BFLY) (OS&Y) (CS&Y) (BBALL) (COP  BRPOSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C  MFG  AMES  AMES  MUELLER	Signs NO NO NO YES YES NO HECK VALV MODEL 3000SS 2000B WAFER	Open YES YES YES YES YES YES YES YES YES YES	Secured           YES           2008           2008           2008           2008           2008	N/A N/A N/A YES N/A N/A YES	N/A N/A N/A N/A N/A N/A N/A	YES YES NO YES YES N/A  LOC/ MECHANICAL MECHANICAL MECHANICAL	YES YES YES N/A YES N/A YES N/A YES N/A YES N/A  ATION RM 139 RM 139 RM 139
1. 2. 3. 4. T Qty 2 1 3 2 3 11 1 No. 1. 2. 3. 4.	Type  MAIN (OS PUMP (OS BYPASS)  JOCKEY ( ELEVATOR SECTIONA BALL AF I  TABLE 5 PUR BACKFLO PUMP BYPASS	of Valve (%Y) (%Y) (BFLY) (OS&Y) (CS&Y) (BBALL) (COP  BRPOSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C  MFG  AMES  AMES  MUELLER  GRUVLOCK	Signs NO NO NO YES YES NO HECK VALV MODEL 3000SS 2000B WAFER D1	Open YES YES YES YES YES YES YES YES YES YES	Secured   YES	N/A N/A N/A YES N/A N/A YES	N/A N/A N/A N/A N/A N/A N/A	YES YES YES NO YES YES N/A  LOC/ MECHANICAL MECHANICAL MECHANICAL MECHANICAL	YES YES YES N/A YES YES N/A YES N/A  ATION RM 139 RM 139 RM 139 RM 139 RM 139
1. 2. 3. 4. T Qty 2 1 3 2 3 11 1 No. 1.	Type (MAIN (OS) PUMP (OS) BYPASS (I) JOCKEY (I) ELEVATOR SECTIONA BALL AF (I) BACKFLO BACKFLO PUMP	of Valve (%Y) (%Y) (BFLY) (OS&Y) (CS&Y) (BBALL) (COP  BRPOSE	CONTROL  Accessible  YES  YES  YES  YES  YES  YES  ACKFLOW/C  MFG  AMES  AMES  MUELLER	Signs NO NO NO YES YES NO HECK VALV MODEL 3000SS 2000B WAFER	Open YES YES YES YES YES YES YES YES YES YES	Secured           YES           2008           2008           2008           2008           2008	N/A N/A N/A YES N/A N/A YES	N/A N/A N/A N/A N/A N/A N/A	YES YES NO YES YES N/A  LOC/ MECHANICAL MECHANICAL MECHANICAL	Operationa YES YES YES N/A YES YES N/A YES N/A  ATION RM 139 RM 139 RM 139 RM 139 RM 139 RM 139



If no, please explain reason:

		ON / OFF PR	EMISES MONIT	TORING		
TYPE	YES	NO	TIME		COMMENTS	S
ALARM SIGNAL	Х					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
		ICATIONS TI	HAT TESTING I			
TYPE	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X		DAVID KUFFN	ER/HAROLD		11:00AM
MONITORING ENTITY	X	CAMPUS	SECURITY			11:00AM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
				TH APPLICABLE I		os
				ECOMMENDA P		
PENTHOUSE ALL HEADS UNDER DUCTS	S ARE INSTALL	ED WITH BUS	HING INSTEAD C	OF REDUCER ELBOY	WS	
ALL SIGNALS RECEIVED AND RESET						
ALL SIGNALS RECEIVED AND RESET NO COVERAGE IN ELECTRICAL RM 313.	08					
		RARY BY ROV	WS RJ482-RM17 <sup>7</sup>	ı		
NO COVERAGE IN ELECTRICAL RM 313.	IN SHIFFAN LIB	RARY BY RO	WS RJ482-RM17 <sup>7</sup>	ı		
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME ¾ ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME	IN SHIFFAN LIB	RARY BY ROI	WS RJ482-RM17 <sup>7</sup>	I		
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME 3/4 ESCUTCHEON	IN SHIFFAN LIB	RARY BY ROI	WS RJ482-RM17 <sup>7</sup>	I		
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME 3/4 ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME	IN SHIFFAN LIB	RARY BY ROI	WS RJ482-RM17 <sup>.</sup>	I		
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME 3/4 ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME	IN SHIFFAN LIB	RARY BY ROI	WS RJ482-RM17 <sup>,</sup>	I		
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME 3/4 ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME	IN SHIFFAN LIB	RARY BY ROV	WS RJ482-RM17 <sup>7</sup>	I		
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME 3/4 ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME	IN SHIFFAN LIB	RARY BY ROV	WS RJ482-RM17 <sup>-</sup>	I		
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME ¾ ESCUTCHEON I NOTE: ALARM PANEL IN FIRE PUMP ME BLOCK KEY IN WEST SHIPPING/RECEIV	IN SHIFFAN LIB	RARY BY ROV	WS RJ482-RM17	9/11/	12 <b>TIM</b>	IE 11:00AM
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME 3/4 ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME	IN SHIFFAN LIB	RARY BY ROV			12 <b>TIM</b>	IE 11:00AM
NO COVERAGE IN ELECTRICAL RM 313. MISSING (1) CHROME ¾ ESCUTCHEON I NOTE: ALARM PANEL IN FIRE PUMP ME BLOCK KEY IN WEST SHIPPING/RECEIV	IN SHIFFAN LIB	RARY BY ROV		9/11/	12 <b>TIM</b>	IE 11:00AM
NO COVERAGE IN ELECTRICAL RM 313.  MISSING (1) CHROME % ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME BLOCK KEY IN WEST SHIPPING/RECEIV  SYSTEM RESTORED TO NORMAL OF THE PUMP AND IN NORMAL OF THE PUMP AND IN NORMAL OF T	IN SHIFFAN LIB	RARY BY ROV	DATE	9/11/	12 <b>TIM</b>	IE 11:00AM
NO COVERAGE IN ELECTRICAL RM 313.  MISSING (1) CHROME 3/4 ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME BLOCK KEY IN WEST SHIPPING/RECEIV  SYSTEM RESTORED TO NORMAL OF INSPECTOR  INSPECTOR'S SIGNATURE	ECH ROOM ING ROOM PPERATION		DATE  J. JOHNSTOI	9/11/ N	12 <b>TIM</b>	IE 11:00AM
NO COVERAGE IN ELECTRICAL RM 313.  MISSING (1) CHROME ¾ ESCUTCHEON I  NOTE: ALARM PANEL IN FIRE PUMP ME  BLOCK KEY IN WEST SHIPPING/RECEIV  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR	ECH ROOM ING ROOM PPERATION		DATE	9/11/ N	12 TIM	IE 11:00AM
NO COVERAGE IN ELECTRICAL RM 313.  MISSING (1) CHROME 3/4 ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME BLOCK KEY IN WEST SHIPPING/RECEIV  SYSTEM RESTORED TO NORMAL OF INSPECTOR  INSPECTOR'S SIGNATURE	ECH ROOM ING ROOM  PPERATION  RESENTATIVE	<u> </u>	DATE  J. JOHNSTOI	9/11/ N	12 TIM	IE 11:00AM
NO COVERAGE IN ELECTRICAL RM 313.  MISSING (1) CHROME ¾ ESCUTCHEON IN NOTE: ALARM PANEL IN FIRE PUMP ME BLOCK KEY IN WEST SHIPPING/RECEIV  SYSTEM RESTORED TO NORMAL OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPE	ECH ROOM ING ROOM  PPERATION  RESENTATIVE	E	DATE  J. JOHNSTON  DAVID KUFF	9/11/ N NER	<u>'</u>	IE 11:00AM
NO COVERAGE IN ELECTRICAL RM 313.  MISSING (1) CHROME ¾ ESCUTCHEON I  NOTE: ALARM PANEL IN FIRE PUMP ME  BLOCK KEY IN WEST SHIPPING/RECEIV  SYSTEM RESTORED TO NORMAL O  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPE	ECH ROOM ING ROOM  PPERATION  RESENTATIVE  R/REPRESENT  CCUPANCY &	E FATIVE	DATE  J. JOHNSTON  DAVID KUFF	9/11/ N	12 TIM	IE 11:00AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

	1			1	1			
DATE:	9/11/12						e. SW, Gran ., Portage M	d Rapids MI II
ARRIVAL TIME:	7:00AM			X			Dr, Sagina	
							ite A-9, Wixe	
WORK ORDER NUMBER:	244885			] [	1050 Ark	oor Tech Dr	. Suite F, He	bron KY
SERVICE ORGANIZATION (	CORPORA	TE)		]	PROPERT	TY NAME		
Vanguard Fire & Security					Name:	MAZUREK	MEDICAL ED	). COMMONS
2101 Martindale Ave. SW					Address:	4325 BRU	SH	
						l .		
Grand Rapids, MI 49509				_	DETROIT,	, IVII 402UZ		
Ta ab alais a	I IOUNG	TON		]	0		LIABOLD /	D KLIEENED
Technician:	J. JOHNS	TON		_	Owner Co	ntact:	HAROLD /	D KUFFNER
	<u> </u>			_	Telephone	):	(313) 684-0	0859
Telephone:	800-444-8	8719			Approving	Agency:	DETROIT I	FIRE DEPT.
NOTIFICATIONS			PRIOR TO AN		I	14/110		T184E
NOTIFICATIONS		YES	PHONE	NOMBER		WHO		TIME
BUILDING OCCUPANTS		V	(242) 00	24.0050	OEDALD (D	AV/ID IZUEENE		40.20414
BUILDING MANAGEMENT MONITORING ENTITY		X	(313) 68	34-0859	CAMPUS S	AVID KUFFNE	:K	10:30AM 10:30AM
2ND MONITORING ENTITY		Λ			07 HVII 00 C	LOCKITI		10.007 (17)
AHJ (NOTIFIED) OF ANY IMPA	IRMENTS							
,								
		FIRE PUM	P & JOCKEY	PUMP INFOR	RMATION			
			FIRE PUM	P DATA				
MANUFACTURER		ITT		RATE GPM			1000	
MODEL		8X8X9½		RATE PSI			105	
SERIAL NUMBER		2322-01-01		PSI @ 150%			89	
TYPE		IN-LINE (15	580)	MAX PRES			135	
RATED RPM		3550		AUTO STAF			146	
IMPELLER SIZE		9.2"		SATISFIED			185	
HORSE POWER		100		AUTO STO			NO	
WATER SUPPLY		CITY		RUN TIMER	<u> </u>		N/A	
			FIDE DUME	DDIVED.				
	<u> </u>	II C MOTO	FIRE PUMP		265 ID	DATED DD	N 4	2520
MANUFACTURER MODEL	1	U.S MOTO	ino.	FRAME VOLTAGE	365JP	RATED RP	IVI	3530
MODEL SERIAL NUMBER		AD-39 FF10051E	=\/	AMP	460 116	HORSE PC	W/ED	60 100
TYPE	<del>                                     </del>	RF-1 ELECT		PHASE	3	SERVICE F		1.15
IIFE		VIC-1 ELECT	NIC	LUNOE	<u> </u>	SERVICE	AUTUR	1.15



<u> </u>					
	FIRE PUMP	CONTROL			
MANUFACTURER	METRON	HORSE POWER RATING	3		100
MODEL	MP430-100-480C	VOLTAGE			480
SERIAL NUMBER	NA-08N38353-11	AMP RMS			0,000
CERTIFIC NOTIFICAL	14/1 001100000 11	7 tivii Ttivio		1	0,000
	JOCKEY P	UMP DATA			
MANUFACTURER	GROUNFOS	INLET/OUTLET SIZE			11⁄4"
MODEL	CR-1	START PRESSURE (ON	)		157
SERIAL NUMBER	HK-08N38353-21	STOP PRESSURE (OFF	)		172
HORSE POWER	1	VOLTAGE	•		480
DIODI AVED AT		RMS PROVIDED		1	<del></del>
DISPLAYED AT	SIMPLEX PANEL	PHASE REVERSAL			YES
PUMP RUNNING	YES	PUMP ROOM LOW TEM	Р		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
	EIDE DI IMD T	EST REPORT			
Inspection of Pump	TINETOWN	LOT KLI OKT	YES	NO	N/A
System found in service?			X	110	
2. Fire pump controller in automatic service	?		Χ		
3. Jockey pump controller in service on auto	)?		Χ		
4. Is alarm panel clear?			Χ		
5. Is pump room secure?			Χ		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			Χ		
8. Ventilating louvers free to operate?					X
<ol><li>Suction, discharge and bypass valves op</li></ol>			X		
10. Piping, valves and fittings free from leak	s?		X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exerci	sed?		X		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
<ol><li>Controller selector switch in auto position</li></ol>	?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph pape	r present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



	OF FIRE PUMP AND PIPING		Na	
Mahara in anno anno aiting a la anno anno aiting a la anno anno aiting a la anno anno aiting a la anno anno aiting a la anno anno aiting a la anno anno aiting a la anno aiting		YES	NO	N/A
. Valves in proper position and in good condition?		X		
. Are all valves listed for application?		X		
. Valves locked, sealed or supervised?		X		
. Are all valves tagged and identified?		X		
. Jockey pump operational?		X		
. Packing glands appear properly adjusted?		X		
. Bi-monthly test records available?				X
. Were automatic starts performed?		X		
. Were manual starts performed?	:	X		
0. Did automatic and manual <i>starts</i> and <i>stops</i> funct	ion properly?	X		
Remote alarm conditions demonstrated?		X	V	
2. Are drains operational and ok?	va va uh va li ava a dO		X	
3. Does fire pump shaft and coupling appear to be p	roperly aligned?	X		
4. Does jockey pump appear to be aligned ok?	it to a still a second 1.0	X		
5. Does fire pump have casing relief valve and does	it function properly?	X		
6. Is test header in good condition and drained?	footom, condition O	X		V
7. Supplying tank or reservoir appears to be in satisf	ractory condition?			X
8. Tank water level ok?	norotion and all values reserved	) V		X
9. At completion, was pump returned to automatic of		X X		
Site personnel were offered instruction in pump of     Sensing lines for inclear and fire nump congrets?	peradons?	X		
Sensing lines for jockey and fire pump separate?     Power transfer switch tested and ok?		X		
Z. FOWEI HAIISIEI SWILCH LESIEU AHU OK!		^		
	FLOW INSPECTION REPOR	т		
ire Pump Flow Test Report	CHURN	100% FLOW	1500	% FLOW
RPM During Test	3535	3525		3522
/oltage During Test	460 460 461	462 460 465		456 460
Imperage During Test	80 86 86	110 112 114		123 122
imperage During Test	80 80 80	110 112 114	123	123 122
ATED NET HEAD	0	1		
SUCTION PRESSURE	40	35		33
DISCHARGE PRESSURE	175	133		112
NET HEAD	135	98		79
1161116116		30		. •
RATED GPM 1000				
OUTLET A PITOT	NA	503		<b>7</b> 50
DUTLET B PITOT	NA NA	503		750 750
DUTLET C PITOT	NA NA	500		100
DUTLET D PITOT	NA NA			
DUTLET E PITOT	NA NA			
	0	1006	4	500
TOTAL FLOW				
TOTAL FLOW RATED % OF FLOW		101%		50%



		DII	ESEL BATTER	Y INSPECTION				
TYPE		٧	ISUAL	FUNCTIO	NAL		COMME	NTS
BATTERY CONDITION			N/A					
VOLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
				QUIPMENT:ON/				
TYPE	YES	NO	TIME		C	OMMEN.	ΓS	
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL	X							
TROUBLE RESTORAL	X							
SUPERVISORY SIGNAL	X							
SUPERVISORY RESTORAL	X							
			TIONS THAT	TESTING IS CON	IPLETÉ	1		TIME
TYPE		YES		WHO				TIME
BUILDING OCCUPANTS		.,	0== 11 = 1=					
BUILDING MANAGEMENT		X		AVID KUFFNER	HAROLD			11:00AM
MONITORING ENTITY		X	CAMPUS SE	CURITY				11:00AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS							
THIS TESTII	NG WAS PE	RFORME	D IN ACCORD	ANCE WITH AP	PLICABLE N	PA STA	NDARDS	
				ANCE WITH AP			NDARDS	
IN	SPECTO	OR'S CO	OMMENTS	AND RECO			NDARDS	
FIRE PUMP DRAIN LINES N	NSPECTO EED UNCL	OR'S CO	DMMENTS LINES ARE	AND RECO			NDARDS	
	NSPECTO EED UNCL	OR'S CO	DMMENTS LINES ARE	AND RECO			NDARDS	
FIRE PUMP DRAIN LINES N	NSPECTO EED UNCL	OR'S CO	DMMENTS LINES ARE	AND RECO			NDARDS	
FIRE PUMP DRAIN LINES N	NSPECTO EED UNCL	OR'S CO	DMMENTS LINES ARE	AND RECO			NDARDS	
FIRE PUMP DRAIN LINES N	NSPECTO EED UNCL	OR'S CO	DMMENTS LINES ARE	AND RECO			NDARDS	
FIRE PUMP DRAIN LINES N	NSPECTO EED UNCL	OR'S CO	DMMENTS LINES ARE	AND RECO			NDARDS	
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO	SPECTO EED UNCL OPERLY A	OR'S CO LOGGED, IT TIME C	DMMENTS LINES ARE	AND RECOI	MMENDAT			44000
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO	SPECTO EED UNCL OPERLY A	OR'S CO LOGGED, IT TIME C	DMMENTS LINES ARE	AND RECO			NDARDS	11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO	SPECTO EED UNCL OPERLY A	OR'S CO LOGGED, IT TIME C	DMMENTS LINES ARE	AND RECOI HARD PIPED	9/11/12			11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO	SPECTO EED UNCL OPERLY A	OR'S CO LOGGED, IT TIME C	DMMENTS LINES ARE	AND RECOI	9/11/12			11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR	SPECTO EED UNCL OPERLY A	OR'S CO LOGGED, IT TIME C	DMMENTS LINES ARE	AND RECOI HARD PIPED	9/11/12			11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR	SPECTO EED UNCL OPERLY A	OR'S CO LOGGED, IT TIME C	DMMENTS LINES ARE	AND RECOI HARD PIPED	9/11/12			11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	MSPECTO EED UNCL OPERLY A	OR'S CO LOGGED, IT TIME C	DMMENTS LINES ARE	AND RECOI HARD PIPED	9/11/12 STON			11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	MSPECTO EED UNCL OPERLY A	OR'S CO LOGGED, IT TIME C	DMMENTS LINES ARE	DATE  JASON JOHNS	9/11/12 STON			11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO	MAL OPERA	OR'S CO LOGGED, IT TIME CO	DMMENTS LINES ARE DF TEST	DATE  JASON JOHNS	9/11/12 STON			11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY OF	MAL OPERA	OR'S CO OGGED, IT TIME CO	DMMENTS LINES ARE DF TEST	DATE  JASON JOHNS  DAVID KUFFN	9/11/12 STON	TIONS	TIME	11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY OF	MAL OPERA  NTATIVE  WNER/REP	ATION  RESENTA	DIMMENTS LINES ARE DEST	DATE  JASON JOHNS  DAVID KUFFN	9/11/12 STON ER	ONS or No	TIME	11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY OF  Is system code compliant we have the noted deficiencies	MAL OPERA WHATIVE WHEREP	ATION  RESENTA  ancy & st s been co	DIMMENTS LINES ARE DEST  ATIVE  tored commonrected?	DATE  JASON JOHNS  DAVID KUFFN	9/11/12 STON  ER  Yes	or No	TIME YES NO	11:00AM
FIRE PUMP DRAIN LINES N FIRE PUMP OPERATED PRO  SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN  SIGNATURE OF PROPERTY OF	MAL OPERA WHATIVE WHEREP WITH OCCUPA WITH	ATION  RESENTA  ancy & st s been co	DIMMENTS LINES ARE DEST  ATIVE  tored commonrected?	DATE  JASON JOHNS  DAVID KUFFN	9/11/12 STON  ER  Yes	ONS or No	TIME YES NO	11:00AM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZAT	9/11/2012 11:00 AM 244867	ATE		7 X 1 2	646 S. Sprinkle Ro 633 S. Champagn 8221 Beck Rd., So 050 Arbor Tech D	d., Portage M le Dr, Sagina uite A-9, Wixo	II w MI om MI	
	`	AIL)	1			- 00 40-	T OFNITED	
Vanguard Fire & Securi	ty			Name:	WAYNE STATE	= - C.S. MOT	I CENTER	
2101 Martindale Ave. S	W			Address:	275 E. HANCO	CK		
Grand Rapids, MI 4950	9			DETROIT,	MI 48202			
•			_					
Technician:	J. JOHNSTO	N	]	Owner Con	tact:	ALLEN / DA	VID KUFFNE	R
				Telephone:		313-684-08	97	
Telephone:	800-444-8719	9		Approving /	Agency:	DETROIT F	FIRE DEPA	RTMENT
			PRIOR TO	O ANY TEST	ΓING			
NOTIFICATIONS		YES	PHONE	NUMBERS		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMEN	T	X	(313)	684-0897	ALLEN / DAVID			11:00AM
MONITORING ENTITY 2ND MONITORING ENTIT	T\/	X			CAMPUS SECU	RITY		11:00AM
AHJ (NOTIFIED) OF IMPA								
AND (NOTH IED) OF INIT	AIRWENTO							
			SYSTEM	INFORMATI	ON			
<b>GENERAL INFORMATIO</b>						YES	NO	N/A
<ol> <li>Is the building occur</li> </ol>		?				X		
<ol><li>Is the building fully</li></ol>						X		
<ol><li>System(s) in service</li></ol>						X		
4. Spare heads and h						X		
<ol><li>Stock/Storage a m</li></ol>							X	
6. Are all gauges in g			bration, and	showing no	rmal pressures?		X	
7. Wet system areas	are adequately	neated?				X		



'AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		
2.	Main control valves in good condition and identified?		Χ	
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?		Χ	
	Are all control valves provided with the proper operators?	Х		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	X		
Ť	Turios indirector.			<u> </u>
SPR	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?	X		1471
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
7.	System ID securely attached & legible?	X		
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?	^		
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		^
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	^	X	
		V	^	
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
<u> </u>	Was the local alarm tested & OK?	X	110	IVA
2.	Did Central Station receive Flow Alarm Test?	X		
<u>2.</u> 3.	Did Central Station receive Tow Alarm Test:  Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?	X		
4. 5.	Is alarm valve trim OK & set properly?	X		
	No leakage from retard chambers or alarm drains?	X		
6. 7.	Was Inspector Test performed and results OK?	X		
<u> </u>	was inspector rest performed and results OK?	^		
	PIDE OVOTEM INODECTION (DI)	VEO	NO	NI/A
	PIPE SYSTEM INSPECTION (DI)  Dry pipe velves in convice % in good external condition?	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?	+		X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
<del>1</del>	Were low points drained during fall & winter inspections?	1		X
5.	Are accelerator(s) in good condition?			X
3.	All dry valves have been trip tested & OK (See Table 3)			X
7.	Dry pipe valves are in heated area?			X
<u>7.</u> 8	Was customer informed that they need to drain all drum drips on a monthly basis?			



T	ABLE 1	I	AN'	TI-FREEZE I	LOOP					
	No.	Location o					No. of Heads	Type of	Backflow	Temp
		N/A	•					,,		
T	ABLE 2		M	AIN DRAIN 1	TEST					
Ri	iser No.	<b>Drain Size</b>	Static Pres	sure (PSI)	Residual F	Pressure (PSI)				
	1.	2"	13	5						
	2.	2"	13	5						
	3.	2"	13	5						
	4.	2"	13							
	5.	1"	12	5						
		•								
	ABLE 3		DR	Y SYSTEM	TEST	100.00			1	1
NI.	Valve Size	   0004!cm =	f Dry Value	Full as D	outial Tois	Starting Air Pressure	Ctantin - Mat	Drace	Trip Air Pressure	Trip Time
No.	1 1/2	Location o			artial Trip		Starting Water	Pressure	Pressure	Trip Time
<u>.</u>	1 1/2	VIKING MC			TIAL GE VIC	55	125			
	ation of D	rum Drains		DELU	JE VIC			Tested?	Yes	No
		S, 4 SPRINK						resteu:	X	140
		•	S DATED 08					-		
	Z 12 V 17 (I	IDATILITIE	O DATED GO					_		
T	ABLE 4	I	CONTROL	L VALVE INF	OPMATION					
			• • • • • • • • • • • • • • • • • • • •		CINIMATION	4				
Otv	Type	of Valve					Spaled	Locked	Supervised	Tamper
		of Valve	Accessible	Signs	Open	Secured	Sealed YES	Locked N/A	Supervised	Operation
1	ELEVATO	R (BBALL)	Accessible YES	Signs NO	Open YES	Secured YES	YES	N/A	YES	Operation: YES
1	ELEVATO PREACTION	R (BBALL) N (BBALL)	Accessible YES YES	Signs NO NO	Open YES YES	Secured YES YES	YES YES	N/A N/A	YES YES	Operation YES YES
1	ELEVATO PREACTION MAIN (OS	R (BBALL) N (BBALL) &Y)	Accessible YES YES YES	Signs NO NO NO	Open YES YES YES	Secured YES YES YES	YES YES YES	N/A N/A N/A	YES YES N/A	Operation YES YES N/A
1 1 1	ELEVATO PREACTION	R (BBALL) N (BBALL) &Y) S&Y)	Accessible YES YES	Signs NO NO	Open YES YES	Secured YES YES	YES YES	N/A N/A	YES YES	Operation YES YES
1 1 1 1	ELEVATO PREACTION MAIN (OS PUMP (OS BYPASS (	R (BBALL) N (BBALL) &Y) S&Y)	Accessible YES YES YES YES YES	Signs NO NO NO NO	Open YES YES YES YES	Secured YES YES YES YES YES	YES YES YES YES	N/A N/A N/A N/A	YES YES N/A N/A	YES YES N/A N/A
1 1 1 1 3	ELEVATO PREACTION MAIN (OS PUMP (OS BYPASS (	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y)	Accessible YES YES YES YES YES YES YES	Signs NO NO NO NO NO	Open YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	YES YES YES YES YES YES	N/A N/A N/A N/A N/A	YES YES N/A N/A N/A	Operation YES YES N/A N/A N/A
1 1 1 3 4	ELEVATO PREACTION MAIN (OS PUMP (OS BYPASS ( SECTION)	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY)	Accessible YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES	Operation YES YES N/A N/A N/A YES
1 1 1 1 3 4	ELEVATO PREACTION MAIN (OS PUMP (OS BYPASS ( SECTION SECTION	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES	Operation YES YES N/A N/A N/A YES YES
1 1 1 1 3 4 4 1 1	ELEVATO PREACTION MAIN (OS PUMP (OS BYPASS ( SECTION SECTION JOCKEY ( TEST HEA	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES N/A N/A	YES YES YES YES YES YES YES N/A N/A	N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES N/A	Operation YES YES N/A N/A N/A YES YES N/A
1 1 1 1 3 4 4 1 1	ELEVATO PREACTION MAIN (OS. PUMP (OS. BYPASS (INC. SECTION JOCKEY (INC. TEST HEA	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES N/A N/A	YES YES YES YES YES YES YES N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES N/A N/A	Operation YES YES N/A N/A N/A YES YES N/A N/A YES
1 1 1 1 1 3 4 4 1 1 1	ELEVATO PREACTION MAIN (OS PUMP (OS BYPASS (IN SECTION JOCKEY (IN TEST HEA  ABLE 5 PUR	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER  B POSE	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES N/A N/A N/A  TION YEAR	YES YES YES YES YES YES YES N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES N/A N/A N/A	Operation YES YES N/A N/A N/A YES YES N/A N/A N/A ATION
1 1 1 1 3 4 4 1 1 1	ELEVATO PREACTION MAIN (OSE PUMP (OSE BYPASS (INCLUSION) SECTION JOCKEY (INCLUSION) TEST HEA  ABLE 5 PUR DETECTO	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER  B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES N/A N/A N/A  TION YEAR 1971	YES YES YES YES YES YES YES N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES N/A N/A N/A N/A N/A	Operation YES YES N/A N/A N/A YES YES N/A N/A N/A N/A N/A N/A N/A N/A N/A
1 1 1 1 3 4 4 1 1 1	ELEVATO PREACTION MAIN (OSE PUMP (OSE BYPASS (INCIDENTAL INCIDENTAL  R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER  B POSE OR CHECK OR BYPASS	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES YES YES	Secured   YES   YES   YES   YES   YES   YES   YES   YES   YES   N/A	YES YES YES YES YES YES YES N/A N/A N/A LAST INSPI	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES N/A N/A N/A BSMT MECH F	Operation YES YES N/A N/A N/A YES YES N/A N/A ATION RM 087.1	
1 1 1 1 1 3 4 4 1 1 1 Tolo.	ELEVATO PREACTION MAIN (OSE PUMP (OSE BYPASS (INCIDENTAL INCIDENTAL  R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER  B POSE OR CHECK OR BYPASS	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO SO NO SU HECK VALV MODEL D SWING B	Open YES YES YES YES YES YES YES YES YES YES	Secured   YES   YES   YES   YES   YES   YES   YES   YES   YES   N/A	YES YES YES YES YES YES YES N/A N/A N/A N/A 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A YES YES N/A N/A N/A  LOC/ BSMT MECH F BSMT MECH F	Operation           YES           YES           N/A           N/A           YES           YES           N/A           N/A           N/A           N/A           RM 087.1           RM 087.1           RM 087.1	
1 1 1 1 1 3 4 4 1 1 1 1 1	ELEVATO PREACTION MAIN (OS. PUMP (OS. BYPASS (I. SECTION) JOCKEY (I. TEST HEA  ABLE 5 PUR DETECTO ALARM CH PUMP	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER  B POSE OR CHECK OR BYPASS	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO SO HECK VALV MODEL D SWING B 6808B	Open YES YES YES YES YES YES YES YES YES YES	Secured	YES YES YES YES YES YES YES N/A N/A N/A N/A 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A N/A YES YES N/A N/A N/A  BSMT MECH F BSMT MECH F BSMT MECH F	Operation YES YES N/A N/A N/A YES YES N/A N/A N/A N/A N/A RM 087.1 RM 087.1 RM 087.1 RM 087.1
1 1 1 1 3 4 4 1 1 1 T.	ELEVATO PREACTION MAIN (OS PUMP (OS BYPASS ( SECTION) SECTION) JOCKEY ( TEST HEA  ABLE 5 PUR DETECTO ALARM CH PUMP BYPASS	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER  B POSE OR CHECK OR BYPASS	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO SO HECK VALV MODEL D SWING B 6808B 6808B	Open     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     N/C  TE INFORMA  SIZE  8"  3'4"  6"  8"  8"	Secured	YES YES YES YES YES YES YES N/A N/A N/A N/A 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A N/A YES YES N/A N/A N/A  BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F	Operation YES YES N/A N/A N/A N/A YES YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1 1 1 1 1 1 3 4 4 1 1 1 1 1 1 1 1 1 1 1	ELEVATO PREACTION MAIN (OSE PUMP (OSE BYPASS (INCLUSION) SECTION JOCKEY (INCLUSION) JOCKEY (INCLUSION) TEST HEA  ABLE 5 PUR DETECTO DETECTO ALARM CH PUMP BYPASS JOCKEY	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER  B POSE OR CHECK OR BYPASS	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO SO HECK VALV MODEL D SWING B 6808B 6808B SWING	Open YES YES YES YES YES YES YES YES YES YES	Secured	YES YES YES YES YES YES YES N/A N/A N/A N/A 2010 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A N/A YES YES N/A N/A N/A  BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F	Operation YES YES N/A N/A N/A N/A YES YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1 1 1 1 3 4 4 1 1	ELEVATO PREACTION MAIN (OS PUMP (OS BYPASS ( SECTION) SECTION) JOCKEY ( TEST HEA  ABLE 5 PUR DETECTO ALARM CH PUMP BYPASS	R (BBALL) N (BBALL) &Y) S&Y) OS&Y) AL (OS&Y) AL (BFLY) OS&Y) ADER  B POSE OR CHECK OR BYPASS	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO SO HECK VALV MODEL D SWING B 6808B 6808B	Open     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     N/C  TE INFORMA  SIZE  8"  3'4"  6"  8"  8"	Secured	YES YES YES YES YES YES YES N/A N/A N/A N/A 2010 2010 2010	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES YES N/A N/A N/A N/A YES YES N/A N/A N/A  BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F BSMT MECH F	YES YES N/A N/A N/A N/A YES YES N/A N/A YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A



		_	EMISES MONIT	ORING		
TYPE	YES	NO	TIME		COMMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL TROUBLE SIGNAL	X					
TROUBLE SIGNAL TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
BOI ERVISORT RESTORAL						
	NOTIFI	CATIONS TI	HAT TESTING IS	COMPLETE		
ТҮРЕ	YES	1		WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X	ALLEN / D	AVID KUFFNER			2:00PM
MONITORING ENTITY	X	CAMPUS	SECURITY			2:00PM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING	WAS PERFOR	MED IN ACC	ORDANCE WIT	H APPLICABLE N	FPA STANDARDS	
SYSTEM HAS (2) HEADS COVERED IN H MISSING GLOBE ½" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI REPLACED (3) GAUGES OLDER THE 5Y	UTER TRIM RING 1 322 IMAGING L R = 55 WATER	GS: (2) HALL   AB, (1) OFFIC = 125	BY RM 338, (3) ST E RM 307	ORAGE RM 313, (1)	``	,
MISSING GLOBE ½" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI	UTER TRIM RING 1 322 IMAGING L R = 55 WATER EARS ON PREA	GS: (2) HALL   AB, (1) OFFIC = 125	BY RM 338, (3) ST E RM 307	ORAGE RM 313, (1)	REPLACED ON PRE AC	,
MISSING GLOBE ½" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI REPLACED (3) GAUGES OLDER THE 5Y	UTER TRIM RING 1 322 IMAGING L R = 55 WATER EARS ON PREA	GS: (2) HALL   AB, (1) OFFIC = 125	BY RM 338, (3) ST E RM 307 EM. (2) 12V7.5AH	ORAGE RM 313, (1)  BATTERIES NEED F  9/11/1	REPLACED ON PRE AC	T SYSTEM
MISSING GLOBE ½" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI REPLACED (3) GAUGES OLDER THE 5Y SYSTEM RESTORED TO NORMAL O NAME OF INSPECTOR	UTER TRIM RING 1 322 IMAGING L R = 55 WATER EARS ON PREA	GS: (2) HALL   AB, (1) OFFIC = 125	EM. (2) 12V7.5AH  DATE	ORAGE RM 313, (1)  BATTERIES NEED F  9/11/1	REPLACED ON PRE AC	T SYSTEM
MISSING GLOBE 1/2" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI REPLACED (3) GAUGES OLDER THE 5Y  SYSTEM RESTORED TO NORMAL O NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	OUTER TRIM RING  1 322 IMAGING L  R = 55 WATER  EARS ON PREAD  DPERATION	GS: (2) HALL I AB, (1) OFFIC = 125 CTION SYSTE	EM. (2) 12V7.5AH  DATE	ORAGE RM 313, (1) BATTERIES NEED F 9/11/1	REPLACED ON PRE AC	T SYSTEM
MISSING GLOBE ½" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI REPLACED (3) GAUGES OLDER THE 5Y  SYSTEM RESTORED TO NORMAL (	PUTER TRIM RING  1 322 IMAGING L  R = 55 WATER  PEARS ON PREAD  PERATION  RESENTATIVE	GS: (2) HALL I AB, (1) OFFIC = 125 CTION SYSTE	EM 338, (3) ST E RM 307 EM. (2) 12V7.5AH DATE J. JOHNSTON	ORAGE RM 313, (1) BATTERIES NEED F 9/11/1	REPLACED ON PRE AC	T SYSTEM
MISSING GLOBE ½" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI REPLACED (3) GAUGES OLDER THE 5Y SYSTEM RESTORED TO NORMAL ( NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REP SIGNATURE OF PROPERTY OWNE	PUTER TRIM RING  1 322 IMAGING L  R = 55 WATER  EARS ON PREAD  PERATION  RESENTATIVE  R/REPRESENT	GS: (2) HALL I AB, (1) OFFIC = 125 CTION SYSTE	EY RM 338, (3) ST E RM 307 EM. (2) 12V7.5AH  DATE  J. JOHNSTON  DAVID KUFFN	ORAGE RM 313, (1) BATTERIES NEED F 9/11/1	REPLACED ON PRE AC	T SYSTEM
MISSING GLOBE 1/2" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI REPLACED (3) GAUGES OLDER THE 5Y  SYSTEM RESTORED TO NORMAL O NAME OF INSPECTOR INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REP	PUTER TRIM RING  1 322 IMAGING L  R = 55 WATER  EARS ON PREAD  PERATION  RESENTATIVE  R/REPRESENT  CCUPANCY & 9	GS: (2) HALL I AB, (1) OFFIC = 125 CTION SYSTE	EY RM 338, (3) ST E RM 307 EM. (2) 12V7.5AH  DATE  J. JOHNSTON  DAVID KUFFN	ORAGE RM 313, (1)  BATTERIES NEED F 9/11/1	2 TIME	T SYSTEM
MISSING GLOBE 1/2" SEMI RECESSED O RM 331, (1) LAB SUPPORT RM, (1) RM PREACTION OPERATED PROPERLY AI REPLACED (3) GAUGES OLDER THE 5Y SYSTEM RESTORED TO NORMAL ( NAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REP SIGNATURE OF PROPERTY OWNE	DPERATION  RESENTATIVE R/REPRESENT  CCCUpancy & sations been courses	GS: (2) HALL I AB, (1) OFFIC = 125 CTION SYSTE  CATIVE  stored comeorrected?	EN RM 338, (3) ST E RM 307 EM. (2) 12V7.5AH  DATE  J. JOHNSTON  DAVID KUFFN  modity?	DRAGE RM 313, (1)  BATTERIES NEED F 9/11/1  ER  Yes or No	REPLACED ON PRE AC	T SYSTEM



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

### FIRE PUMP SYSTEM INSPECTION AND TESTING REPORT

				_	1 0404 84		0144 0	15 11 14
DATE:	9/11/12						e. Svv, Gran I., Portage M	d Rapids MI II
ARRIVAL TIME:	11:00AM			X	1633 S.	Champagne	e Dr, Sagina	w MI
							ite A-9, Wix	
WORK ORDER NUMBER:	244867				] 1050 Ari	oor Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION	(CORPORA	ATE)			PROPER	ΓΥ NAME		
Vanguard Fire & Security					Name:	C.S. MOT	T CENTER -	- 609
2101 Martindale Ave. SW					Address:	275 E. HA		
Grand Rapids, MI 49509						, MI 48202		
Crana Hapido, IIII 10000				_	BETTOTT	, 10202		
Technician:	J. JOHNS	TON		1	Owner Co	ntact:	ALLEN / D	KUFFNER
	•			1	Telephone		(313) 684-0	
Telephone:	800-444-8			1	Approving		, ,	FIRE DEPT.
					111 - 3	<u> </u>		
			PRIOR TO A					
NOTIFICATIONS		YES	PHONE	NUMBER		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	(313) 6	84-0897		VID KUFFNER		11:00AM
MONITORING ENTITY		X			CAMPUS S	SECURITY		11:00AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPA	AIRMENTS							
		EIDE DI IM	P & JOCKEY	DI IMD INEOE	MATION			
		FIRE FUIVI	FIRE PUN		NIM HON			
MANUFACTURER		AUROR		RATE GPM			1000	
MODEL	SPL	ITCASE 5-4		RATE PSI			75	
SERIAL NUMBER		71-8056		PSI @ 150%	6		63.6	
TYPE		5-481-1	5	MAX PRES	SURE		71	
RATED RPM		1760		AUTO STAF	RT		87	
IMPELLER SIZE				SATISFIED	PSI		135	
HORSE POWER		60		AUTO STO	)		YES	
WATER SUPPLY		CITY		RUN TIMER	}		2 MIN	
	-		FIRE PUM		1	•		7
MANUFACTURER		LINCOL		FRAME	364TS	RATED RP	M	1775
MODEL		LINCGUA	RĎ	VOLTAGE	208	HZ		60
SERIAL NUMBER		87982		AMP	178	HORSE PC		60
TYPE		ELECTR	IC	PHASE	3	SERVICE F	ACTOR	1.15



	FIRE PUMP (	CONTROL				
MANUFACTURER	CLARK	HORSE POWER RATING	3		60	
MODEL	C10-294109	VOLTAGE			208	
SERIAL NUMBER	261833-1-1	AMP RMS		2	5,000	
	JOCKEY PU	IMP DATA				
MANUFACTURER						
MODEL	9M145TTDR801 5ACW	START PRESSURE (ON	)		92	
SERIAL NUMBER	939227	STOP PRESSURE (OFF)			135	
HORSE POWER	3	VOLTAGE			200	
	REMOTE ALARI	MS PROVIDED				
DISPLAYED AT	N/A	PHASE REVERSAL			N/A	
PUMP RUNNING	N/A	PUMP ROOM LOW TEM	P		N/A	
AC LOSS OF POWER	N/A	LOW DIESEL FUEL	•		N/A	
AC ECOS OF TOWER	11/71	ILOW DILOLL I OLL			14/74	
	FIRE PUMP TE	ST DEDODT				
Inspection of Pump	FIRE POWIF 1E	STREFORT	YES	NO	N/A	
1. System found in service?			X	NO	IN/A	
System found in service?     Fire pump controller in automatic service?	)		X			
Jockey pump controller in service on auto			X			
	) (		X			
4. Is alarm panel clear?			X			
5. Is pump room secure?			X			
6. Heat, light and ventilation ok?						
7. Is pump room clean, dry and orderly?			X			
8. Ventilating louvers free to operate?	0				X	
9. Suction, discharge and bypass valves op			X			
10. Piping, valves and fittings free from leak	\$?		X			
11. Main relief valve functions ok?				X		
Electronic Pump Inspection			YES	NO	N/A	
1. Isolation switch and circuit breaker exerci	sed?		X			
Diesel Pump Inspection			YES	NO	N/A	
Fuel tank at least two-thirds full?					X	
Controller selector switch in auto position	?				X	
Battery voltage and reading normal?					X	
4. Battery charging current reading normal?					X	
5. Battery terminal free from corrosion?					X	
6. Battery acid level ok?					X	
7. All alarm indicators off?					X	
8. Oil levels normal?					X	
Crankcase breather cleaned and ok?					X	
10. Water strainer cleaned?					X	
11. Wire chafing inspected?					X	
12. Pressure recorder reset and graph pape	r present?				X	
13. Engine coolant level normal?					X	
14. Does Heat Exchanger Solenoid function	properly?				X	



	ON OF FIRE PUMP AND PIPING C	, C.I.I.	YES	NO	N/A	
1. Valves in proper position and in good condition?	>		X	NO	11/1/1	
2. Are all valves listed for application?	•		X			
3. Valves locked, sealed or supervised?			X			
4. Are all valves tagged and identified?			X			
5. Jockey pump operational?			Χ			
6. Packing glands appear properly adjusted?			Χ			
7. Bi-monthly test records available?					X	
B. Were automatic starts performed?			Χ			
9. Were manual starts performed?			Χ			
10. Did automatic and manual starts and stops fu	inction properly?		X			
11. Remote alarm conditions demonstrated?			X			
12. Are drains operational and ok?			X			
13. Does fire pump shaft and coupling appear to b	e properly aligned?		X			
14. Does jockey pump appear to be aligned ok?			X			
15. Does fire pump have casing relief valve and do	pes it function properly?		X			
16. Is test header in good condition and drained?			X			
17. Supplying tank or reservoir appears to be in sa	atisfactory condition?				X	
18. Tank water level ok?					X	
19. At completion, was pump returned to automatic			X			
20. Site personnel were offered instruction in pump	•		X			
21. Sensing lines for jockey and fire pump separat	e?			X		
22. Power transfer switch tested and ok?					X	
	FLOW INSPECTION REPORT					
Fire Pump Flow Test Report	CHURN		FLOW	150%	FLOW	
RPM During Test	1785		72	1771		
Voltage During Test	190 190 188	192 19		191 190 193		
Amperage During Test	90 96 94	152 15		165 168 165		
	30 00 01	102 10		100	30 .00	
RATED NET HEAD	75					
SUCTION PRESSURE	43	3	8		30	
DISCHARGE PRESSURE	136		10	93		
NET HEAD	93	7	2		63	
RATED GPM 10	000					
OUTLET A PITOT	NA	50	)3	7	700	
OUTLET B PITOT	NA	50	)3	7	<b>'</b> 00	
OUTLET C PITOT	NA					
OUTLET D PITOT	NA					
OUTLET E PITOT	NA					
TOTAL FLOW	0	10	06	1-	400	
RATED % OF FLOW		10	1%	14	10%	
	rump meet system specifications?	PASS		FAIL	X	



TYPE		V	ISUAL	FUNCTIONAL		COMMENTS	
BATTERY CONDITION	NDITION N/A		N/A				
VOLTAGE							
BATTERY SIZE		<del>                                     </del>					
CHARGER VOLTAGE							
	EMERGEN	CY COMM	UNICATION E	QUIPMENT:ON/O	FF MONITORING		
TYPE	YES	NO	TIME		COMMEN	TS	
ALARM SIGNAL				N/A			
ALARM RESTORAL				N/A			
TROUBLE SIGNAL				N/A			
TROUBLE RESTORAL				N/A			
SUPERVISORY SIGNAL		<u> </u>		N/A			
SUPERVISORY RESTORAL				N/A			
		NOTIFICA	TIONS THAT	TESTING IS COM	DI ETE		
TYPE		YES	TIONS INAI	WHO	<u> </u>		TIME
BUILDING OCCUPANTS			1	5			
BUILDING MANAGEMENT		X	ALLEN / DAV	VID KUFFNER		2:	00 PM
MONITORING ENTITY		X	CAMPUS SE				00 PM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF ANY IMPA	JRMENTS						
					LICABLE NFPA STA	NDARDS	
			MMENTS	AND RECOM	<u>IMENDATIONS</u>		
CONTROLLER NOT TIED IN	110 ALARI	// PANEL					
POWER ON BULB BURNED	OUT ON (	CONTROL	_LER				
NO VALVES ON TEST HEAD	DER (IPT	THREADE	D MALES)				
UNABLE TO REACH 150% [	•		•				
	')() <del> </del>  () (	*** * * * * * * * * * * * * * * * * *					
NOTE: SENSING LINES SE	PARATED	- 2012		DATE	9/11/12	TIME	3:30 PM
NOTE: SENSING LINES SEI	PARATED	- 2012		<u> </u>	9/11/12	ТІМЕ	3:30 PM
NOTE: SENSING LINES SEI	PARATED	- 2012		DATE  JASON JOHNS		TIME	3:30 PM
NOTE: SENSING LINES SEISYSTEM RESTORED TO NOR	PARATED	- 2012		<u> </u>		TIME	3:30 PM
NOTE: SENSING LINES SEISYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEIS	MAL OPERA	- 2012		<u> </u>	TON	TIME	3:30 PM
NOTE: SENSING LINES SER SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE	MAL OPERA	- 2012 ATION		JASON JOHNS	TON	TIME	3:30 PM
NOTE: SENSING LINES SER SYSTEM RESTORED TO NOR NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE	MAL OPERA	- 2012 ATION		JASON JOHNS	TON	TIME	3:30 PM
NOTE: SENSING LINES SER  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESER  SIGNATURE OF PROPERTY OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATU	MAL OPERA  NTATIVE  DWNER/REF	- 2012 ATION PRESENTA ancy & st	ATIVE	JASON JOHNS	TON		3:30 PM
SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEI  SIGNATURE OF PROPERTY O	MAL OPERA  NTATIVE  DWNER/REF	- 2012 ATION PRESENTA ancy & st s been co	ATIVE tored commo	JASON JOHNS  DAVID KUFFNE  odity?	Yes or No Yes or No	YES NO	3:30 PM
NOTE: SENSING LINES SER  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESER  SIGNATURE OF PROPERTY OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATU	MAL OPERA  NTATIVE  DWNER/REF	- 2012 ATION PRESENTA ancy & st s been co	ATIVE tored commo	JASON JOHNS  DAVID KUFFNE  odity?	TON  R  Yes or No	YES NO	3:30 PM

DIESEL BATTERY INSPECTION



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZAT	9/12/2012 8:00AM 244879	RATE)	]	X 1 2	7646 S. Sprinkle 633 S. Champa 28221 Beck Rd., 050 Arbor Tech	Rd., Portage M gne Dr, Sagina Suite A-9, Wixe	II w MI om MI	
Vanguard Fire & Securi	itv		1	Name:	WAYNE STA	TE - LANDE M	EDICAL RE	SEARCH
2101 Martindale Ave. S	•			Address:	550 E. LANF			
Grand Rapids, MI 4950				DETROIT,	<b>_</b>			
Grand Kapids, Mi 4930	<del> </del>		J	DETROIT,	WII 40202			
Technician:	J. JOHNSTO	)N		Owner Cor	ntact:	HAROLD / D	AVID KUFFI	NER
				Telephone		(313) 684-6	6749	
Telephone:	800-444-871	9		Approving	Agency:	DETROIT F	FIRE DEPA	RTMENT
			PRIOR TO	O ANY TES	TING			
NOTIFICATIONS		YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMEN	IT	X	(313)	684-6744	HAROLD / DA	VID KUFFNER		8:00 AM
MONITORING ENTITY		X	1		CAMPUS SEC	URITY		8:00 AM
2ND MONITORING ENTI								
AHJ (NOTIFIED) OF IMPA	AIRMENTS							
			0)/07514	INFORMAT	1011			
GENERAL INFORMATIO	M (CI)		SYSTEM	INFORMAT	ION	YES	NO	N/A
Is the building occ	_ ` '	.2				X	NO	IN/A
Is the building fully		•					X	
System(s) in service		fication sin	ce the last i	nspection?		Х		1
Spare heads and h						,	Χ	1
<ol><li>Stock/Storage a m</li></ol>					s in place?		X	
6. Are all gauges in g						X		
7. Wet system areas	are adequately	heated?				X		



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?		Χ	
3.	Are control valves secure?	X	Λ	
4.	Are all control valves accessible & free from external leaks?	X		
		X		
	Are all control valves provided with the proper operators?	^		
6.	All control valves operated through full range & returned to normal position?		X	.,
7.	Valves lubricated?			X
		1 1		
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?		X	
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
7.	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
	Seismic bracing OK?			Х
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
				^
	Fire Department Connection (FDC) & Caps OK?	V	X	
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
		1 1/20		
	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X		
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?			X
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
				<u> </u>
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?	1 = -		X
2.	Pressure & priming water OK?	+ +		X
<u>2.</u> 3.	Air supply in good working order?	+		X
	Were low points drained during fall & winter inspections?	+		X
4. -		+		
5.	Are accelerator(s) in good condition?			X
6.	All dry valves have been trip tested & OK (See Table 3)			X
	Dry pipe valves are in heated area?			X
7. 8	Was customer informed that they need to drain all drum drips on a monthly basis?			X



T	ABLE 1		AN	TI-FREEZE	LOOP					
	No.	Location of	f Loop				No. of Heads	Type of	Backflow	Temp
		N/A								
	ADLES			AIN DD AIN 7	FECT					
	ABLE 2 iser No.	Drain Size	Static Pres	AIN DRAIN T		Pressure (PSI)				
	1.	2	Static Fies		Residual I	riessure (PSI)				
	2.		30	,						
	3.	ITV =	RM 21	JANITORS	CLOSET					
	4.									
T.	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2. 3.										
	l ation of D	ı rum Drains	•					Tested?	Yes	No
1.		Tuili Dialis	•					resteu:	163	140
2.										
3.										
4.										
T.	ABLE 4		CONTROL	VALVE IN	FORMATION	١			_	
										T
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Tamper Operational
	MAIN (OS		YES	YES	YES	YES	YES	N/A	N/A	N/A
	BYPASS (		YES	YES	YES	YES	YES	N/A	N/A	N/A
	PUMP (OS		YES	YES	YES	YES	YES	N/A	N/A	N/A
		AL (OS&Y)	YES	YES	YES	YES	YES	N/A	N/A	N/A
_	ROOF HYD		YES	N/A	N/C	N/A	N/A	N/A	N/A	N/A
	ABLE 5		ACKFLOW/C						1	4 = 1 = 1 1
No.		POSE	MFG	MODEL	SIZE	YEAR	LAST INSPI	ECIED		ATION
	MAIN MAIN		VIKING VIKING	G G	6" 6"	1963 1963			MECH RM MECH RM	
2. 3.	BYPASS		VIKING	B	4"	1963	2010		MECH RM	
<b>4</b> .	PUMP		VIKING	В	4"	1963	2010		MECH RM	
5.	FDC		VIKING	В	4"	1963	2010		MECH RM	
6.						. 300				
7.										
/.										



		ON / OFF PR	EMISES MONI	TORING		
TYPE	YES	NO NO	TIME		COMMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL	Х					
TROUBLE SIGNAL				N/A		
TROUBLE RESTORAL				N/A		
SUPERVISORY SIGNAL				N/A		
SUPERVISORY RESTORAL				N/A		
	NOTIF	CATIONS TI	HAT TESTING	IS COMPLETE		
TYPE	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X		DAVID KUFFN	IER		10:00AM
MONITORING ENTITY	X	CAMPUS	SECURITY			10:00AM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
				TH APPLICABLE NI		
INSPE	CTOR'S	COMMEN	ITS AND R	ECOMMENDAT	TIONS	
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION	O CHROME E: 46.8, (2) RM RM 46.7 N NOT FOUNI	SCUTCHEONS 46.9	S: (1) RM 30, (2)	RM 32 AND (1) NEEDS	SLOWERED	
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION	O CHROME E: 46.8, (2) RM RM 46.7 N NOT FOUNI	SCUTCHEONS 46.9		. ,	SLOWERED	VE COOLER
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION  SYSTEM RESTORED TO NORMAL OPI	O CHROME E: 46.8, (2) RM RM 46.7 N NOT FOUNI	SCUTCHEONS 46.9	S: (1) RM 30, (2)	RM 32 AND (1) NEEDS	SLOWERED	
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR	O CHROME E: 46.8, (2) RM RM 46.7 N NOT FOUNI	SCUTCHEONS 46.9	DATE	RM 32 AND (1) NEEDS	SLOWERED	
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR	O CHROME E: 46.8, (2) RM RM 46.7 N NOT FOUNI	SCUTCHEONS 46.9	DATE	RM 32 AND (1) NEEDS	SLOWERED	
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION  SYSTEM RESTORED TO NORMAL OPE  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	CHROME ES 46.8, (2) RM RM 46.7 N NOT FOUNI ERATION	SCUTCHEONS 46.9	DATE	9/12/12	SLOWERED	
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION  SYSTEM RESTORED TO NORMAL OPE  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE	CHROME ES 46.8, (2) RM RM 46.7 N NOT FOUNI ERATION	SCUTCHEONS 46.9	DATE  J. JOHNSTO	9/12/12	SLOWERED	
ALL FIRE HOSES DATED 1963 AND SEVER. MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/RE  Is system code compliant with occ	CHROME ES 46.8, (2) RM 46.7 N NOT FOUNI ERATION	SCUTCHEONS 46.9  C	DATE  J. JOHNSTO  DAVID KUFF	9/12/12 N SNER	2 TIME	
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION  SYSTEM RESTORED TO NORMAL OPI  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE  SIGNATURE OF PROPERTY OWNER/RE  Is system code compliant with occ	CHROME ES 46.8, (2) RM RM 46.7 N NOT FOUNI ERATION ESENTATIVE REPRESENT	SCUTCHEONS 46.9  Continue  TATIVE  stored com	DATE  J. JOHNSTO  DAVID KUFF	9/12/12 N Yes or No	2 TIME	
MISSING VIKING MOD E-1SEMI RECESSED PLUGGED OFF HEADS: (1) RM 46.3, (2) RM MISSING CEILING TILES IN RM 10 AND IN F ACTUAL FIRE DEPARTMENT CONNECTION  SYSTEM RESTORED TO NORMAL OPE NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRE SIGNATURE OF PROPERTY OWNER/RE	ESENTATIVE REPRESENT cupancy & ons been of	E  TATIVE  stored com corrected?	DATE  J. JOHNSTO  DAVID KUFF	9/12/12 N Yes or No Yes or No	2 TIME	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	Χ

				1	1		0144	
DATE:	9/12/12						e. SW, Gran I., Portage M	d Rapids MI II
ARRIVAL TIME:	8:00AM			X			e Dr, Sagina	
							ite A-9, Wix	
WORK ORDER NUMBER:	244879				] 1050 Arl	oor Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION	(CORPORA	ATE)			PROPER	TY NAME		
Vanguard Fire & Security		-			Name:	LANDE M	EDICAL RE	SEARCH
2101 Martindale Ave. SW					Address:	550 E. CA		
Grand Rapids, MI 49509						, MI 48202		
Grand Rapids, Mi 49309					DETROIT	, 1011 40202		
Technician:	J. JOHNS	TON			Owner Co	ntact:	HAROLD /	D KUFFNER
recimician.	J. JOHNS	TON						
					Telephone	9:	(313) 684-6	5749
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.
			PRIOR TO AI	NV TESTING				
NOTIFICATIONS		YES		NUMBER		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		X	(313) 6	84-6749	HAROLD /	DAVID KUFF	NER	8:00AM
MONITORING ENTITY		X			CAMPUS S	SECURITY		8:00AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPA	AIRMENTS							
			D 0 1001/EV	D. 114D 111E				
		FIRE PUM	P & JOCKEY		RMATION			
MANUFACTURER	Δ1	LIS - CHAL	FIRE PUN	RATE GPM		1	500	
MODEL	AL	204-117-5		RATE OF W			60	
SERIAL NUMBER		816-2373		PSI @ 150%	<u></u>		39	
TYPE		SPLITCA			MAX PRESSURE		80	
RATED RPM		3530	<u> </u>	AUTO STAF			YES	
IMPELLER SIZE		6.75		SATISFIED			70	
HORSE POWER				AUTO STO	)	138		
WATER SUPPLY		CITY		<u> </u>			10 MIN	
	•		FIRE PUM	1	1	1		Ī
MANUFACTURER	AL	LIS - CHAL	MERS	FRAME	3265	RATED RP	M	3530
MODEL		G100		VOLTAGE	440	HZ		60
SERIAL NUMBER		5-1-679-003		AMP	48	HORSE PC		40
TYPE		ELECTR	IC	PHASE	3	SERVICE F	ACTOR	1.15



<u> </u>					
	FIRE PUMP	CONTROL			
MANUFACTURER	CUTLER - HAMMER	HORSE POWER RATING	1		40
MODEL	12030HA	VOLTAGE			440
SERIAL NUMBER	12030H90A-1	AMP RMS		30	0,000
	JOCKEY P	UMP DATA			
MANUFACTURER	N/A	INLET/OUTLET SIZE			N/A
MODEL	N/A				N/A
SERIAL NUMBER	N/A	STOP PRESSURE (OFF)			N/A
HORSE POWER	N/A	VOLTAGE			N/A
	REMOTE ALAR	MS PROVIDED			
DISPLAYED AT	N/A	PHASE REVERSAL			N/A
PUMP RUNNING	N/A	PUMP ROOM LOW TEMP	)		N/A
AC LOSS OF POWER	N/A	LOW DIESEL FUEL			N/A
	FIRE PUMP T	EST REPORT			
Inspection of Pump			YES	NO	N/A
System found in service?			Χ		
Fire pump controller in automatic service	e?		Χ		
Jockey pump controller in service on au					X
4. Is alarm panel clear?					X
5. Is pump room secure?			Χ		
6. Heat, light and ventilation ok?			Χ		
7. Is pump room clean, dry and orderly?			Χ		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves of	pen?		Χ		
10. Piping, valves and fittings free from lea			Χ		
11. Main relief valve functions ok?			Χ		
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exer	cised?		Χ		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
2. Controller selector switch in auto position	n?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading norma	?				Χ
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph page	per present?				X
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	on properly?				X



	TION OF FIRE PUMP AND PIPING (	<u> </u>	YES	NO	N/A
Valves in proper position and in good condition	n?		X	NO	IVA
Are all valves listed for application?	1:		X		
3. Valves locked, sealed or supervised?			X		
4. Are all valves tagged and identified?			X		
5. Jockey pump operational?			X		
6. Packing glands appear properly adjusted?			X		
7. Bi-monthly test records available?					Х
8. Were automatic starts performed?			X		
9. Were manual starts performed?			Χ		
10. Did automatic and manual starts and stops to	function properly?		X		
11. Remote alarm conditions demonstrated?					X
12. Are drains operational and ok?			X		
13. Does fire pump shaft and coupling appear to	be properly aligned?				X
14. Does jockey pump appear to be aligned ok?			X		
15. Does fire pump have casing relief valve and o					X
16. Is test header in good condition and drained?					X
17. Supplying tank or reservoir appears to be in s	satisfactory condition?				X
18. Tank water level ok?					X
19. At completion, was pump returned to automa			X		
20. Site personnel were offered instruction in pur			X		
21. Sensing lines for jockey and fire pump separa	ate?		X		
22. Power transfer switch tested and ok?					X
	FLOW INODECTION DEPOS	-			
Fire Dumm Flow Test Depart	FLOW INSPECTION REPORT		EL OW	4500	/ FLOW
Fire Pump Flow Test Report	CHURN 3574		FLOW		FLOW
RPM During Test Voltage During Test	469 470 468	35 412 40			561 465 463
Amperage During Test	20 21 21	33 3			36 35
Amperage During Test	20 21 21	<u> </u>	2 32	30	30 33
RATED NET HEAD	60				
SUCTION PRESSURE	40	3	5		30
DISCHARGE PRESSURE	133		15		108
NET HEAD	93	<u>.</u> 8			78
			-		-
RATED GPM	500				
OUTLET A PITOT	NA	50	03		590
OUTLET B PITOT	NA NA				<del>-</del>
OUTLET C PITOT	NA				
OUTLET D PITOT	NA				
OUTLET E PITOT	NA				
TOTAL FLOW	0	50	03		590
RATED % OF FLOW			1%		18%
	Pump meet system specifications?	PASS		FAIL	Х

COMMENTS



TYPE

BATTERY SIZE				+				
CHARGER VOLTAGE								
	EMEDGEN	CV COMM	UNICATION E	OLUBMENT: OL	WOEE MON	IITODING		
TYPE	YES	NO NO	TIME	JUIPIVIEN I .OI	N/OFF IVIOR	COMMEN.	TS	
ALARM SIGNAL	N/A	NO	IIIVIL			COMMEN	10	
ALARM RESTORAL	N/A							
TROUBLE SIGNAL	N/A							
TROUBLE RESTORAL	N/A							
SUPERVISORY SIGNAL	N/A							
SUPERVISORY RESTORAL	N/A							
		NOTIFICA	TIONS THAT T	ESTING IS CO	OMPLETE			
TYPE		YES		WHO	)			TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT		Χ	HAROLD / DA	AVID KUFFNE	R		•	10:00AM
MONITORING ENTITY		X	CAMPUS SEC	CURITY			•	10:00AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPA	RMENIS							
AHJ (NOTIFIED) OF ANY IMPA  THIS TESTI		RFORME	D IN ACCORDA	ANCE WITH A	PPLICABL	E NFPA STA	NDARDS	
THIS TESTI	NG WAS PE		D IN ACCORDA  DMMENTS A				NDARDS	
THIS TESTI	NG WAS PE	OR'S CO	DMMENTS A	AND REC	OMMENI	DATIONS		W PANEL
THIS TESTI  INO JOCKEY PUMP ON SYSTE	NG WAS PE NSPECTO M - NO MO	OR'S CO	DMMENTS A	AND REC	OMMENI	DATIONS		W PANEL
THIS TESTI  INO JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REAC	NG WAS PE NSPECTO M - NO MO	OR'S CO	DMMENTS A	AND REC	OMMENI	DATIONS		W PANEL
THIS TESTI	NG WAS PE NSPECTO M - NO MO	OR'S CO	DMMENTS A	AND REC	OMMENI	DATIONS		W PANEL
THIS TESTI  IN O JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REACT  POWER BULB MISSING	NG WAS PENSPECTOM - NO MO	OR'S CO ONITORIN STING	OMMENTS A G OF PUMP RV	AND RECO	OMMENI	DATIONS		W PANEL
THIS TESTI  IN O JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REACT  POWER BULB MISSING	NG WAS PENSPECTOM - NO MO	OR'S CO ONITORIN STING	OMMENTS A G OF PUMP RV	AND RECO	OMMENI	DATIONS		W PANEL
THIS TESTI  IN O JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REACT  POWER BULB MISSING	NG WAS PENSPECTOM - NO MO	OR'S CO ONITORIN STING	OMMENTS A G OF PUMP RV	AND RECO	OMMENI	DATIONS		W PANEL
THIS TESTI  INO JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REAC  POWER BULB MISSING  NO TEST HEADER USED. ROC	NG WAS PE NSPECTO M - NO MO H 150% TES	DR'S CO DNITORIN STING TS ARE A	OMMENTS A G OF PUMP RV	AND RECO	OMMENI OSS OR PH	DATIONS ASE REVERS	SAL AT NE	T
THIS TESTI  INO JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REAC  POWER BULB MISSING  NO TEST HEADER USED. ROC	NG WAS PE NSPECTO M - NO MO H 150% TES	DR'S CO DNITORIN STING TS ARE A	OMMENTS A G OF PUMP RV	AND RECO	OMMENI OSS OR PH	DATIONS		W PANEL
THIS TESTI  INO JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REAC  POWER BULB MISSING  NO TEST HEADER USED. ROC  SYSTEM RESTORED TO NORI	NG WAS PE NSPECTO M - NO MO H 150% TES	DR'S CO DNITORIN STING TS ARE A	OMMENTS A G OF PUMP RV	AND RECO	OMMENI OSS OR PH	DATIONS ASE REVERS	SAL AT NE	T
THIS TESTI  INO JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REACT  POWER BULB MISSING  NO TEST HEADER USED. ROC  SYSTEM RESTORED TO NORI  NAME OF INSPECTOR	NG WAS PE NSPECTO M - NO MO H 150% TES	DR'S CO DNITORIN STING TS ARE A	OMMENTS A G OF PUMP RV	AND RECOW, POWER LO	OMMENI OSS OR PH	DATIONS ASE REVERS	SAL AT NE	T
THIS TESTI  INO JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REACT  POWER BULB MISSING  NO TEST HEADER USED. ROC  SYSTEM RESTORED TO NORI	NG WAS PE NSPECTO M - NO MO H 150% TES	DR'S CO DNITORIN STING TS ARE A	OMMENTS A G OF PUMP RV	AND RECOW, POWER LO	OMMENI OSS OR PH	DATIONS ASE REVERS	SAL AT NE	T
THIS TESTI  IN O JOCKEY PUMP ON SYSTE PUMP WAS UNABLE TO REACH POWER BULB MISSING NO TEST HEADER USED. ROCK  SYSTEM RESTORED TO NORINAME OF INSPECTOR  NSPECTOR'S SIGNATURE	NG WAS PE NSPECTO M - NO MO H 150% TES DF HYDRAN	DR'S CO DNITORIN STING TS ARE A	OMMENTS A G OF PUMP RV	AND RECOW, POWER LO	9/1 NSTON	DATIONS ASE REVERS	SAL AT NE	T
THIS TESTI  IN NO JOCKEY PUMP ON SYSTE PUMP WAS UNABLE TO REACT POWER BULB MISSING NO TEST HEADER USED. ROCK  SYSTEM RESTORED TO NORI NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	NG WAS PE NSPECTO M - NO MO H 150% TES DF HYDRAN	DR'S CO DNITORIN STING TS ARE A	OMMENTS A G OF PUMP RV	AND RECOW, POWER LO	9/1 NSTON	DATIONS ASE REVERS	SAL AT NE	T
THIS TESTI  IN O JOCKEY PUMP ON SYSTE PUMP WAS UNABLE TO REACT POWER BULB MISSING NO TEST HEADER USED. ROCK  SYSTEM RESTORED TO NORI NAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEI	NG WAS PE NSPECTO M - NO MO H 150% TES DF HYDRAN MAL OPERA	OR'S CO DNITORIN STING TS ARE A	OMMENTS A	AND RECOW, POWER LO	9/1 NSTON	DATIONS ASE REVERS	SAL AT NE	T
THIS TESTI  IN NO JOCKEY PUMP ON SYSTE PUMP WAS UNABLE TO REACT POWER BULB MISSING NO TEST HEADER USED. ROCK SYSTEM RESTORED TO NORI NAME OF INSPECTOR  INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEI	NG WAS PE NSPECTO M - NO MO H 150% TES DF HYDRAN MAL OPERA	OR'S CO DNITORIN STING TS ARE A	OMMENTS A	AND RECOW, POWER LO	9/1 NSTON	DATIONS ASE REVERS	SAL AT NE	T
THIS TESTI  INO JOCKEY PUMP ON SYSTE PUMP WAS UNABLE TO REACT POWER BULB MISSING NO TEST HEADER USED. ROC  SYSTEM RESTORED TO NORI NAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESEI SIGNATURE OF PROPERTY O	NG WAS PE NSPECTO M - NO MO H 150% TES DF HYDRAN  MAL OPERA  NTATIVE  WNER/REP	DR'S CO DNITORIN STING TS ARE A ATION	DMMENTS A G OF PUMP RV  LONG WAY FR	AND RECOW, POWER LOCAL POWER LOCAL PUMP  DATE  JASON JOH  DAVID KUFF	9/1 NSTON	DATIONS ASE REVERS	TIME	T
THIS TESTI  INO JOCKEY PUMP ON SYSTE  PUMP WAS UNABLE TO REAC	NG WAS PE NSPECTO M - NO MO H 150% TES DF HYDRAN  MAL OPERA  NTATIVE  WNER/REP	DR'S CONITORIN STING TS ARE A ATION RESENTA	DMMENTS A G OF PUMP RV  LONG WAY FR	AND RECOW, POWER LOCAL POWER LOCAL PUMP  DATE  JASON JOH  DAVID KUFF	9/1 NSTON	DATIONS ASE REVERS	TIME  YES	T

**DIESEL BATTERY INSPECTION** 

**FUNCTIONAL** 

VISUAL



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZA	9/12/2012 11:00AM 244897	RATE)	]	X 1 2	646 S. Sprinkle R 633 S. Champagr 8221 Beck Rd., S 050 Arbor Tech D	d., Portage M ne Dr, Sagina suite A-9, Wixe	· w MI om MI		
Vanguard Fire & Secu	ritv		1	Name: WAYNE STATE - SCOTT HALL - 612					
2101 Martindale Ave. SW				Address:	540 E. CANFIE				
Grand Rapids, MI 495		DETROIT,	<u> </u>						
Giaria Kapius, ivii 495	09		J	DETROIT,	IVII 40202				
Technician:	Fechnician: J. JOHNSTON			Owner Cor	tact:	ORLANDIS	/ MIKE / DAV	'ID K	
				Telephone:		313-684-08	349 / 313-68	4-8839	
Telephone:	800-444-871	9		Approving A	Agency:	DETROIT F	FIRE DEPA	RTMENT	
			PRIOR TO	O ANY TES	TING				
NOTIFICATIONS		YES		NUMBERS		WHO	WHO		
BUILDING OCCUPANTS	S								
BUILDING MANAGEME	NT	X	(313)	684-4459	ORLANDIS / DA	ORLANDIS / DAVID KUFFNER			
MONITORING ENTITY		X			CAMPUS SECU	IRITY		11:00AM	
2ND MONITORING ENT									
AHJ (NOTIFIED) OF IMP	PAIRMENTS								
			21/2==1						
OFNEDAL INFORMATI	ON (OI)		SYSTEM	INFORMAT	ION	VEO	NO	T NI/A	
GENERAL INFORMATION  1. Is the building oc		10				YES	NO	N/A	
<ol> <li>Is the building oc</li> <li>Is the building ful</li> </ol>		l.f				X			
System(s) in serv	<i>,</i> ,	fication sin	ce the last i	nenection?		X			
Spare heads and						^	X		
5. Stock/Storage a					s in place?		X		
6. Are all gauges in						X	**		
7. Wet system area	<u> </u>		,	<u> </u>		X			



'AL'	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
<del>3.</del> 4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves accessible wife from external leaks:  Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
6.		^		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
7.	Valves lubricated?			X
200	NIZI ED & DIDING INFORMATION (CI)	VEC	NO	N/A
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?		X	
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)	X		
	Are Relief Valves on gridded system OK?			Х
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)		Χ	
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are backnow Freventers? Check valves present (if yes, complete rable 5)			
ΛΙΛ	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	NO	IN/A
1.		^		
2.	Did Central Station receive Flow Alarm Test?		X	
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			Х
3.	Air supply in good working order?			X
1.	Were low points drained during fall & winter inspections?			X
т.	Are accelerator(s) in good condition?			X
		1 1		
5.				X
5. 6. 7.	All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?			X



_	A D.L.E. 4		A D I	TI EDEEZE	000					
- 17	ABLE 1	l coetion o		TI-FREEZE	LOOP	ı	No of Hoods	Tuna at	. Deal-fla	T
	No.	Location o					No. of Heads		SS SWING	Temp
	1				EDC)		8			-18 <sup>0</sup>
	2	TITH FLOC	OR (COVER R	OOF DAMPI	EKS)			2 BRAS	SS SWING	-15º
_	ADI E O	T		NINI DE AINI 7	FECT					
	ABLE 2 iser No.	Drain Size	T	AIN DRAIN T	_	Procesure (DCI)				
ĸ	1.	2	Static Press		Residual F	Pressure (PSI)				
	2.	2	15							
	3.	2	16							
	4.		10	<u> </u>						
T.	ABLE 3		DR	Y SYSTEM	TEST					ı
	Valve			<b>.</b>		Starting Air	<b>.</b>	_	Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		NI/A								
<u>2.</u> 3.		N/A							+	
	tion of D	rum Drains						Tested?	Yes	No
_ <del></del>		Tulli Dialli	<u> </u>					resteur	162	NO
2.								-		
2.								]		
2. 3.	ABLE 4		CONTROL	VALVE IN	ORMATION					
2. 3.	ABLE 4		CONTROL	VALVE INF	FORMATION			]		
2. 3.	ABLE 4		CONTROL	. VALVE INI	FORMATION					Tamper
2. 3. T	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operation
2. 3. T. Qty	Type of SECTION.	AL (OS&Y)	Accessible YES	Signs NO	Open YES	Secured YES	YES	N/A	N/A	Operation N/A
2. 3. T. 2ty 1	Type of SECTION, BBALL (EI	AL (OS&Y) LEVATOR)	Accessible YES YES	Signs NO NO	Open YES YES	Secured YES YES	YES YES	N/A N/A	N/A N/A	Operationa N/A N/A
2. 3. T. 2ty 1 1	Type of SECTION. BBALL (EI PUMP (OS	AL (OS&Y) LEVATOR) S&Y)	Accessible YES YES YES	Signs NO NO NO	Open YES YES YES	Secured YES YES YES	YES YES YES	N/A N/A N/A	N/A N/A N/A	Operation: N/A N/A N/A
2. 3. T. 2ty 1 1 1 3	Type of SECTION. BBALL (EI PUMP (OS BYPASS (	AL (OS&Y) LEVATOR) S&Y) OS&Y)	Accessible YES YES YES YES YES	Signs NO NO NO	Open YES YES YES YES	Secured YES YES YES YES YES	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	Operations N/A N/A N/A N/A N/A
2. 3. T. 2ty 1 1 1 3 2	Type of SECTION, BBALL (EI PUMP (OS BYPASS ( JOCKEY (O	AL (OS&Y) LEVATOR) S&Y) OS&Y)	Accessible YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
2. 3. T. 1 1 1 3 2 1	Type of SECTION. BBALL (EI PUMP (OS BYPASS () JOCKEY (C) TEST HEAL	AL (OS&Y) LEVATOR) S&Y) OS&Y) DS&Y) DER (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES N/C	Secured YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A
2. T. T. 1 1 3 2 1 3	Type of SECTION. BBALL (EI PUMP (OS BYPASS (OTEST HEAI SECTIONA)	AL (OS&Y) LEVATOR) S&Y) OS&Y) DER (OS&Y) L MAIN	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2. 33. T 1 1 1 3 2 1 3 8	Type of SECTION. BBALL (EI PUMP (OS BYPASS ( JOCKEY (OTEST HEAD SECTIONAL SE	AL (OS&Y) LEVATOR) S&Y) OS&Y) DER (OS&Y) L MAIN L (BFLY)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES N/C YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	N/A
2. T. T. 1 1 1 3 2 1 3	Type of SECTION. BBALL (EI PUMP (OS BYPASS (OTEST HEAI SECTIONA)	AL (OS&Y) LEVATOR) S&Y) OS&Y) DER (OS&Y) L MAIN L (BFLY)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2. 3. T. Qty 1 1 1 1 3 2 1 3 8 2	Type of SECTION. BBALL (EI PUMP (OS BYPASS ( JOCKEY (OTEST HEAD SECTIONAL SE	AL (OS&Y) LEVATOR) S&Y) OS&Y) DS&Y) DER (OS&Y) L MAIN L (BFLY) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES N/C YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	N/A
2. 3. T. 1 1 1 3 2 1 3 8 2	Type of SECTION. BBALL (EI PUMP (OS BYPASS () JOCKEY (C) TEST HEAD SECTIONA AFLOOP ()	AL (OS&Y) LEVATOR) S&Y) OS&Y) DS&Y) DER (OS&Y) L MAIN L (BFLY) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES YES YES N/C YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A
2. 3. T. Qty 1 1 1 3 2 1 3 8 2 T. No.	Type of SECTION. BBALL (EI PUMP (OS BYPASS () JOCKEY (C) TEST HEAD SECTIONA AFLOOP ()	AL (OS&Y) LEVATOR) S&Y) OS&Y) DER (OS&Y) L MAIN L (BFLY) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES N/C YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A
2. 3. T.  2ty 1 1 1 3 2 1 3 8 2	Type of SECTION. BBALL (EI PUMP (OS BYPASS (OTEST HEAD SECTIONAL AFLOOP (O	AL (OS&Y) LEVATOR) S&Y) OS&Y) DER (OS&Y) L MAIN L (BFLY) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES YES N/C YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A
2. 23. T    Qty    1	Type of SECTION, BBALL (EI PUMP (OS BYPASS () JOCKEY (OTEST HEAI SECTIONA SECTIONA AFLOOP () ABLE 5  PUR BY PASS	AL (OS&Y) LEVATOR) S&Y) OS&Y) DER (OS&Y) L MAIN L (BFLY) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES N/C YES YES YES YES SEE SIZE 8"	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2. 3. T  Qty  1 1 3 2 1 3 8 2 TNo.	Type of SECTION, BBALL (EI PUMP (OS BYPASS () JOCKEY (C) TEST HEAI SECTIONA AFLOOP () ABLE 5 PUR BY PASS BY PASS	AL (OS&Y) LEVATOR) S&Y) OS&Y) DER (OS&Y) L MAIN L (BFLY) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO NO NO NO	Open YES YES YES YES YES N/C YES YES YES SIZE 8" 8"	Secured           YES           1988           1968	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2. 3. T.  Qty 1 1 1 3 2 1 3 8 2 TNo. 1. 2.	Type of SECTION, BBALL (EI PUMP (OS BYPASS () JOCKEY (O TEST HEAI SECTIONA AFLOOP () ABLE 5 PUR BY PASS BY PASS PUMP	AL (OS&Y) LEVATOR) S&Y) OS&Y) DER (OS&Y) L MAIN L (BFLY) OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs NO NO NO NO NO NO NO NO NO NO O NO O	Open YES YES YES YES YES N/C YES YES YES YES SEINFORMA SIZE 8" 8"	Secured           YES           1988           1968           1968	YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A



ON / OFF PREMISES MONITORING									
TYPE	YES	NO	TIME	COMMENTS					
ALARM SIGNAL	X								
ALARM RESTORAL	X								
TROUBLE SIGNAL	X								
TROUBLE RESTORAL	X								
SUPERVISORY SIGNAL	X								
SUPERVISORY RESTORAL	X								

#### NOTIFICATIONS THAT TESTING IS COMPLETE **TYPE** YES WHO TIME BUILDING OCCUPANTS **BUILDING MANAGEMENT** Х ORLANDIS / DAVID KUFFNER 3:00PM MONITORING ENTITY CAMPUS SECURITY 3:00PM Χ 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS

#### THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS INSPECTOR'S COMMENTS AND RECOMMENDATIONS

NO HEAD BOX OR WRENCH AT RISER

FREIGHT ELEVATOR BBALL VALVE NOT TIED INTO ALARM CORRECTED BY TAMPER SEALING

TWO HEADS WITHIN 6' OF EACH ONE NEEDING PLUGGED OFF IN RM 6237.1

AREAS OF NO COVERAGE: BSMT ENTRY WAY IN STORAGE RM 359, OFFICE OF RM 9345, ALL DISTILLED SMALL WATER ROOMS, BOTH ROOMS IN RM 9105, END OF SHORT HALLS BY MAIN ELEVATOR FLRS 9 THRU 7, RM 9107, ENTRY WAY IN LAB 9126, RM 8219, LAB 8217 OFFICE, HOOD RM OF LAB 7312, REAR 2 ROOMS OF LAB 6321, BACK ROOM OF LAB 6263, ROOM INSIDE RM 6123, RM 8223, RM 8333 IN ENTRY WAY, POCKET OF HALL BY RM 5307, RIGHT SIDE OF RM 0212 BY ELEVATORS

(1) UPRIGHT IN LAB RM 4251, (1) UPRIGHT IN RM 4245

MISSING ESCUTCHEONS (THREADED STYLE CHROME SEMI RECESSED): (1) HALL BY RM 9275, (1) BY ELEVATORS 9TH FLR, (1) CORRODED ESCUTCHEON HALL BY RM 8239, (1) HALL OUTSIDE RM 2202, (1) DARK ROOM OF RM 2353, (1) RM 2353, (3) BSMT HALL BY ELEVATORS, (2) ABOVE COOLER IN RM 325

MISSING CEILING TILES OR STORAGE TO CLOSE (18" RULE): JANITORS CLOSET RM 3339, 4TH FLR, STORAGE RM ACROSS FROM 4202

OBSTRUCTED HEADS: (1) LOADING DOCK BY LIGHT, (2) BY DUCTWORK IN GRADUATE STUDY RM 8275, (1) BY DUCT IN RM 7277

NO BALL DRIP ON FDC CHECK VALVE IN PIT

NOTES: ALARM IN LOBBY AND 110 HONEYWELL IN BASEMENT MECHNICAL ROOM 100, NEED DISABLED BEFORE TESTING.
BAD 6" FLOW SWITCH RETURN DEVICED BROKEN, ALARMS INSTANTLY ON FLOW LOCATED IN HALLWAY OUTSIDE RM 1329



	<u> </u>	1			1
SYSTEM RESTORED TO NORMAL OPERATION	DATE	9/12/	12	TIME	3:00PM
NAME OF INSPECTOR	JASON JOHN	ISTON			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored co	mmodity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected		Yes or No	NO		
Have the deficiencies/violations been authorized for re	pair?	Yes or No	YES		
If no, please explain reason:	-	•			



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	Χ

DATE:	9/12/12			] —			e. SW, Grand ., Portage M	d Rapids MI
ARRIVAL TIME:	11:00AM			X			e Dr, Sagina	
	244897			1			ite A-9, Wixe	
WORK ORDER NUMBER:	244097				1050 Ark	or Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION (	SERVICE ORGANIZATION (CORPORATE)							
Vanguard Fire & Security					Name:	SCOTT H	ALL - 612	
2101 Martindale Ave. SW					Address:	540 E. LAI	NFIELD	
Grand Rapids, MI 49509					DETROIT,	MI 48202		
,				_				
Technician:	J. JOHNS	TON		]	Owner Co	ntact:	ORLANDIS	S/D KUFFNER
					Telephone	:	(313) 684-0	0849
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT.
NOTIFICATIONS	1		PRIOR TO AN		ı	14/110		
NOTIFICATIONS BUILDING OCCUPANTS		YES	PHONE N	NUMBER		WHO		TIME
BUILDING MANAGEMENT		X	(313) 68	24-0840	ORI ANDIS	/ DAVID KII	FENER	11:00AM
MONITORING ENTITY		X	(313) 684-0849		ORLANDIS / DAVID KUFFNER CAMPUS SECURITY			11:00AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS							
		FIRE PUMI	P & JOCKEY		RMATION			
MANUFACTURER		ITT A-C	FIRE PUM	RATE GPM			1000	
MODEL		III A-C		RATE PSI			90	
SERIAL NUMBER	05-044	4721-01-01	/ OKA395	PSI @ 150%	/ 0	71		
TYPE	00 0 1	8100	- CITE 1000	MAX PRES		113		
RATED RPM		3550		AUTO STAF			110	
IMPELLER SIZE		8.33		SATISFIED	PSI		155	
HORSE POWER		75		AUTO STO	)		NO	
WATER SUPPLY		CITY		RUN TIMER			NOT SE	Γ
			FIRE PUMF	1		I		
MANUFACTURER		WEG	0.470	FRAME	364-5TS	RATED RP	M	3550
MODEL CEDIAL NUMBER		75360P3E3		VOLTAGE	460	HZ HOBSE DO	WED	60
SERIAL NUMBER	0	75360P3E3		AMP	80.6	HORSE PO		75 1.15
TYPE		ELECTRI	C	PHASE	3	SEKVICE	ACTOR	1.15



	FIRE PUMP	CONTROL			
MANUFACTURER	METRON	HORSE POWER RATING	3		75
MODEL	_ MP300-75-480C VOLTAGE				480
SERIAL NUMBER	MA-05N20798-11	AMP RMS		10	00,000
		•			
	JOCKEY P	UMP DATA			
MANUFACTURER	PEERLESS	INLET/OUTLET SIZE		2	. 1
MODEL	PB1X2X8-5	START PRESSURE (ON	)		137
SERIAL NUMBER	362266	STOP PRESSURE (OFF			155
HORSE POWER	7.5	VOLTAGE			460
	REMOTE ALAF	RMS PROVIDED			
DISPLAYED AT	PANEL LOBBY	PHASE REVERSAL		,	YES
PUMP RUNNING	YES	PUMP ROOM LOW TEM	P		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A
		•			
	FIRE PUMP T	EST REPORT			
Inspection of Pump			YES	NO	N/A
System found in service?			Χ		
2. Fire pump controller in automatic service?	)		Χ		
Jockey pump controller in service on auto			Χ		
4. Is alarm panel clear?			Χ		
5. Is pump room secure?			Χ		
6. Heat, light and ventilation ok?			Χ		
7. Is pump room clean, dry and orderly?			Χ		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves ope	en?		Χ		
10. Piping, valves and fittings free from leak	s?		Χ		
11. Main relief valve functions ok?			Χ		
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exerci	sed?		Χ		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
2. Controller selector switch in auto position	?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					X
8. Oil levels normal?					X
9. Crankcase breather cleaned and ok?					X
10. Water strainer cleaned?					X
11. Wire chafing inspected?					X
12. Pressure recorder reset and graph pape	r present?				X
13. Engine coolant level normal?					Χ
14. Does Heat Exchanger Solenoid function	properly?				X



		RE PUMP AND PIPING		YES	NO	N/A
1. Valves in proper position and in good cond		X		1471		
2. Are all valves listed for application?		X				
B. Valves locked, sealed or supervised?				X		
4. Are all valves tagged and identified?				X		
5. Jockey pump operational?				X		
6. Packing glands appear properly adjusted?				X		
7. Bi-monthly test records available?						X
B. Were automatic starts performed?				Χ		
9. Were manual starts performed?				X		
10. Did automatic and manual <i>starts</i> and <i>sto</i>	ps function pr	operly?		X		
11. Remote alarm conditions demonstrated?	po ranotion pr	opony.		X		
12. Are drains operational and ok?				X		
13. Does fire pump shaft and coupling appear	r to be properl	v aligned?		X		
14. Does jockey pump appear to be aligned o		,g.,		X		
15. Does fire pump have casing relief valve a		ction properly?			X	
16. Is test header in good condition and drain		onon proporty:		X		
17. Supplying tank or reservoir appears to be		condition?		Λ		X
18. Tank water level ok?	iii dalloiadidi)	CONTRICTION .				X
19. At completion, was pump returned to auto	matic operation	on and all valves normal	?	Χ		
20. Site personnel were offered instruction in	•		•	X		
21. Sensing lines for jockey and fire pump se	· · · · · · · · · · · · · · · · · · ·	5110:		Λ.	X	
22. Power transfer switch tested and ok?	parato:			X	, , , , , , , , , , , , , , , , , , ,	
EZ. I OWEI transier switch tested and ok:				X		
	FLO	W INSPECTION REPOR	PT			
Fire Pump Flow Test Report	. 20	CHURN	100%	FLOW	1509	% FLOW
RPM During Test		3570	35			3548
Voltage During Test	$\vdash$	476 480 479	465 48			480 480
Amperage During Test	$\vdash$	66 66 68	100 10		110 111 111	
importage burning rest		00 00 00	100 10	72 TUZ	110	
RATED NET HEAD		90	7			
SUCTION PRESSURE		45	3	5		33
DISCHARGE PRESSURE		45 155	13			118
	<u> </u>	_	8		85	
		110		U		00
NET HEAD	<u> </u>	110				
NET HEAD	1000	110				
NET HEAD	1000					750
NET HEAD  RATED GPM  DUTLET A PITOT	1000	NA	50	03		<b>750</b>
RATED GPM DUTLET A PITOT DUTLET B PITOT	1000	NA NA	50			750 750
RATED GPM DUTLET A PITOT DUTLET B PITOT DUTLET C PITOT	1000	NA NA NA	50	03		
NET HEAD  RATED GPM  OUTLET A PITOT  OUTLET B PITOT  OUTLET C PITOT  OUTLET D PITOT	1000	NA NA NA NA	50	03		
NET HEAD  RATED GPM  OUTLET A PITOT  OUTLET B PITOT  OUTLET C PITOT  OUTLET D PITOT  OUTLET E PITOT	1000	NA NA NA NA NA	50	03		750
NET HEAD  RATED GPM  OUTLET A PITOT  OUTLET B PITOT  OUTLET C PITOT  OUTLET D PITOT  OUTLET E PITOT  TOTAL FLOW	1000	NA NA NA NA	50	03 03 06		750 1500
NET HEAD  RATED GPM  OUTLET A PITOT  OUTLET B PITOT  OUTLET C PITOT  OUTLET D PITOT  OUTLET E PITOT	1000	NA NA NA NA NA	50	03		750



		DII	SEL BATTER	Y INSPECTION			
TYPE		V	ISUAL	FUNCTION	NAL	COMMEN	ITS
BATTERY CONDITION			N/A				
VOLTAGE							
BATTERY SIZE							
CHARGER VOLTAGE							
EMERGENCY CON			1	QUIPMENT:ON/C			
TYPE	YES	NO	TIME		COMM	ENTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
TROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	N/A						
SUPERVISORY RESTORAL	N/A						
		NOTIFICA	TIONS THAT 1	TESTING IS COM	PLETE		
TYPE		YES		WHO			TIME
BUILDING OCCUPANTS							
BUILDING MANAGEMENT		X	ORLANDIS /	DAVID KUFFNER	₹		3:00PM
MONITORING ENTITY		X	CAMPUS SE	CURITY			3:00PM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF ANY IMPA	IRMENTS						
			•				
THIS TESTI	NG WAS P	ERFORME	D IN ACCORD	ANCE WITH APP	LICABLE NFPA S	TANDARDS	
IN	JSDECT/	חפיפ רנ	MMENTS	AND DECOM	MENDATION	ıe	
SENSING LINES NOT SEPARA					ED, DOES NOT W		LV
SENSING LINES NOT SEPARA	.1 = -	CASING R	ELIEF VALVE	NEEDS KEPLAC	ED, DOES NOT W	OKK PROPER	LT
NO GUARD ON JOCKY PUMP	SHAFT						
NOTES: PUMP HAS LOW SUC	TION, SHU <sup>1</sup>						
		TOFF PANE	EL IN MAIN ME	CH RM. TEST H	FADER IS IN PIT 9	SE CORNER O	F BLDG
SVETEM RESTORED TO NORMAL OPERATION			EL IN MAIN ME	ECH RM. TEST HE	EADER IS IN PIT S	SE CORNER O	F BLDG
SYSTEM RESTORED TO NORI			EL IN MAIN ME	DATE	9/12/12	TIME	F BLDG 3:00PM
			EL IN MAIN ME	DATE		1	
			EL IN MAIN ME			1	
NAME OF INSPECTOR			EL IN MAIN ME	DATE		1	
NAME OF INSPECTOR			EL IN MAIN ME	DATE		1	
NAME OF INSPECTOR INSPECTOR'S SIGNATURE	MAL OPER		EL IN MAIN ME	DATE	9/12/12	1	
SYSTEM RESTORED TO NORI NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE!	MAL OPER	ATION		DATE  J. JOHNSTON	9/12/12	1	
NAME OF INSPECTOR INSPECTOR'S SIGNATURE	MAL OPER	ATION		DATE  J. JOHNSTON	9/12/12	1	
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE! SIGNATURE OF PROPERTY O	MAL OPERA	ATION PRESENTA	TIVE	J. JOHNSTON  DAVID KUFFNE	9/12/12 ER	TIME	
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE!  SIGNATURE OF PROPERTY O  Is system code compliant w	MAL OPERA	ATION  PRESENTA	TIVE ored commo	J. JOHNSTON  DAVID KUFFNE	9/12/12 ER Yes or I	TIME	
NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENT  SIGNATURE OF PROPERTY	MAL OPERANTATIVE  WWNER/REF	PRESENTA	TIVE ored commo	DATE  J. JOHNSTON  DAVID KUFFNE	9/12/12  ER  Yes or I	TIME  No YES  No NO	
NAME OF INSPECTOR INSPECTOR'S SIGNATURE NAME OF OWNER/ REPRESE! SIGNATURE OF PROPERTY O	MAL OPERA  NTATIVE  WNER/REF  with occup s/violations tions been	PRESENTA	TIVE ored commo	DATE  J. JOHNSTON  DAVID KUFFNE	9/12/12 ER Yes or I	TIME  No YES  No NO	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZATION  Vanguard Fire & Security		ATE)		76- X 163 283	01 Martindale Ave 46 S. Sprinkle Rd. 33 S. Champagne 221 Beck Rd., Sui 50 Arbor Tech Dr.  NAME WAYNE STATE	., Portage M e Dr, Saginav ite A-9, Wixo Suite F, He	I w MI om MI bron KY	
2101 Martindale Ave. SW	V			Address:	3424 WOODWA	RD		
Grand Rapids, MI 49509			l	DETROIT, M	11 40202			
Technician:	Technician: J. JOHNSTON			Owner Conta	act:	MARK / DAV		R
Telephone:	800-444-8719	)	Approving Agency:			DETROIT F		RTMENT
			PRIOR TO	ANY TESTI	NG			
NOTIFICATIONS		YES		NUMBERS		WHO		TIME
BUILDING OCCUPANTS								
BUILDING MANAGEMENT	•	Χ	(313) 684-0878 MARK / DAVID k				2:30PM	
MONITORING ENTITY		X			CAMPUS SECUR	ITY		2:30PM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF IMPAI	RIVIENTS							
			SYSTEM	INFORMATIO	N			
GENERAL INFORMATION	l (GI)					YES	NO	N/A
<ol> <li>Is the building occup</li> </ol>		)				X		
<ol><li>Is the building fully s</li></ol>							X	
3. System(s) in service						X		
<ol> <li>Spare heads and he</li> </ol>				in place?	X		1	
Ctook/Ctoroge a min		711 1/W CLILIDI	kler heads & ceiling tiles in place?			X		
						Y		
<ul><li>5. Stock/Storage a min</li><li>6. Are all gauges in go</li><li>7. Wet system areas a</li></ul>	od condition, in	5-yr calib				X		



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?		Χ	
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
		X		
	Are all control valves provided with the proper operators?			
6.	All control valves operated through full range & returned to normal position?	X		.,
7.	Valves lubricated?			X
				ı
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
1.	Are all sprinkler heads unobstructed?	X		
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?		X	
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		,
9.	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			
				X
	Fire Department Connection (FDC) & Caps OK?	X		
		X		
	Was Main Drain Test performed? (See Table 2)	X		
16.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
ALA	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?			X
2.	Did Central Station receive Flow Alarm Test?	X		
3.	Did Central Station receive Tamper Test?	X		
4.	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?			X
6.	No leakage from retard chambers or alarm drains?			X
7.	Was Inspector Test performed and results OK?	X		
<i>,</i> .	Was inspector rest performed and results Ore:			
DDY	PIPE SYSTEM INSPECTION (DI)	YES	NO	NI/A
		TEO	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
4.	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?			X
				X
5.	All dry valves have been trip tested & OK (See Table 3)			
5. 6. 7.	All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?			X



T	ABLE 1	T	ΔΝ'	TI-FREEZE	LOOP					
- 17	No.	Location o		II-I I\LLZL	LOOF		No. of Heads	Type of	f Backflow	Temp
	NO.	N/A	т соор				No. of fleaus	Туре о	Dackilow	Temp
		IN/A								
T	ABLE 2		M	AIN DRAIN	FST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1.	2	52		rtooidaari	30				
	2.	_								
	3.									
	4.									
					<u> </u>					
T.	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air			Trip Air	
No.	Size		f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.		N/A								
2.										
3.										
Loca	ation of D	rum Drains	S					Tested?	Yes	No
1.										
2.										
3.										
4.										
L	ABLE 4		CONTROL	_ VALVE INI	ORMATION			1	1	
										Tamper
Qty	Type	of Valve	Accessible	Signs	Open	Secured	Sealed	Locked	Supervised	Operational
1		CH (OS&Y)	YES	NO	YES	YES	YES	N/A	N/A	N/A
1	FILL TANK		YES	NO	YES	YES	YES	N/A	N/A	N/A
1	SYSTEM		YES	NO	YES	YES	N/A	N/A	YES	YES
2	BACKFLO		YES	NO	YES	YES	YES	N/A	N/A	N/A
1	FILL (OS&)		YES	NO	YES	YES	YES	N/A	N/A	N/A
	,									
T.	ABLE 5	В	ACKFLOW/C	HECK VALV	E INFORMA	TION				
No.	PUR	POSE	MFG	MODEL	SIZE	YEAR	LAST INSP	ECTED	LOC	ATION
1.	<b>BACKFLO</b>	W (FILL)	AMES	2000B	2"	2002	2011		BOILER ROOF	VI
2.	FILL		WATTS	SWING	1½"	2002	2010		BOILER ROOF	M
3.	FILL		WATTS	SWING	1½"	2002	2010		BOILER ROOF	V
4.	ALARM C	HECK	VIKING	Α	4"	1951	2010		LIGHTNING R	OOM
5.	FDC		VIKING	G-1	4"	2004	2010		BACK STAGE	N.E.
6.										
7.										
•									<u> </u>	



	(	ON / OFF PRE					
ГҮРЕ	YES	NO	TIME		COMMEN	NTS	
ALARM SIGNAL	X						
ALARM RESTORAL	X						
FROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
		CATIONS TH	AT TESTING	IS COMPLETE			
ГҮРЕ	YES			WHO		•	ТІМЕ
BUILDING OCCUPANTS							
BUILDING MANAGEMENT	X		VID KUFFNE	R		3:	:30PM
MONITORING ENTITY	X	CAMPUS S	ECURITY			3:	:30PM
2ND MONITORING ENTITY							
AHJ (NOTIFIED) OF IMPAIRMENTS							
THIS TESTING W	AS PERFOR	MED IN ACC	ORDANCE W	ITH APPLICABLE	NFPA STANDA	RDS	
INSPI	ECTOR'S	COMMEN	TS AND F	RECOMMENDA	ATIONS		
SEVERAL HEADS PIPED WITH 3/4" PIPE							
	•			T GTAIC /2 GT RIGHT	1 195		
BOTTOM VALVE ON TANK LEAKS WHEN (	OPENED, SHC	OULD BE REPL	ACED			UNSILENC	ABLE VOICE E
BOTTOM VALVE ON TANK LEAKS WHEN O	OPENED, SHO	OULD BE REPL	ACED		EL - PANEL HAS	UNSILENC.	ABLE VOICE E 3:30PM
NOTE: ALARM PANEL 1ST FL, FILL PUMP	OPENED, SHO	OULD BE REPL	ACED  SHTING RM, T	ANK ON UPPER LEVE	EL - PANEL HAS		
SPRINKLER HEADS OLDER THEN 50 YEA BOTTOM VALVE ON TANK LEAKS WHEN O  NOTE: ALARM PANEL 1ST FL, FILL PUMP  SYSTEM RESTORED TO NORMAL OF  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	OPENED, SHO	OULD BE REPL	GHTING RM, T	ANK ON UPPER LEVE	EL - PANEL HAS		
NOTE: ALARM PANEL 1ST FL, FILL PUMP  SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR	IN BOILER RM	OULD BE REPLA	GHTING RM, T	ANK ON UPPER LEVE 9/12/ DN	EL - PANEL HAS		
NOTE: ALARM PANEL 1ST FL, FILL PUMP  SYSTEM RESTORED TO NORMAL OF  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE	IN BOILER RM PERATION  ESENTATIVE	OULD BE REPLA	GHTING RM, T  DATE  J. JOHNSTO	ANK ON UPPER LEVE 9/12/ DN	EL - PANEL HAS		
NOTE: ALARM PANEL 1ST FL, FILL PUMP SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPR	IN BOILER RM PERATION ESENTATIVE	OULD BE REPLA	DAVID KUF	ANK ON UPPER LEVE 9/12/ DN FNER	EL - PANEL HAS		
NOTE: ALARM PANEL 1ST FL, FILL PUMP SYSTEM RESTORED TO NORMAL OF NAME OF INSPECTOR  NSPECTOR'S SIGNATURE NAME OF PROPERTY OWNER/REPR SIGNATURE OF PROPERTY OWNER/ S system code compliant with oc	IN BOILER RM PERATION  ESENTATIVE //REPRESENT	OULD BE REPLA	DAVID KUF	ANK ON UPPER LEVE 9/12/ DN FNER Yes or No	EL - PANEL HAS		
NOTE: ALARM PANEL 1ST FL, FILL PUMP  SYSTEM RESTORED TO NORMAL OF  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPRI  SIGNATURE OF PROPERTY OWNER/  Is system code compliant with och	IN BOILER RM PERATION  ESENTATIVE //REPRESENT	OULD BE REPLA  1., RISER IN LICE  TATIVE  stored components corrected?	DATE  J. JOHNSTO  DAVID KUF	ANK ON UPPER LEVE 9/12/ DN  FNER  Yes or No Yes or No	EL - PANEL HAS  12  T  YES  NO		
NOTE: ALARM PANEL 1ST FL, FILL PUMP  SYSTEM RESTORED TO NORMAL OF  NAME OF INSPECTOR  INSPECTOR'S SIGNATURE  NAME OF PROPERTY OWNER/REPR	IN BOILER RM PERATION  ESENTATIVE //REPRESENT	OULD BE REPLA  1., RISER IN LICE  TATIVE  stored components corrected?	DATE  J. JOHNSTO  DAVID KUF	ANK ON UPPER LEVE 9/12/ DN FNER Yes or No	EL - PANEL HAS		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

PRIOR TO ANY TESTING  NOTIFICATIONS YES PHONE NUMBERS WHO TIME  BUILDING OCCUPANTS  BUILDING MANAGEMENT X (313) 684-0852 GERALD / DAVID KUFFMAN 7:00AM	DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:	9/13/2012 7:00AM 244872			764 X 163	01 Martindale Ave 46 S. Sprinkle Rd 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr	., Portage M e Dr, Saginav ite A-9, Wixo	I w MI om MI		
Address:   421 E. CANFIELD	SERVICE ORGANIZATI	ON (CORPOR	RATE)	]	PROPERTY	NAME				
Grand Rapids, MI 49509  DETROIT, MI 48202  DETROIT, MI 48202  DETROIT, MI 48202  DETROIT, MI 48202  Detroit,	Vanguard Fire & Security	1			Name: WAYNE STATE - ELIMAN CLINICAL RE				ESEARCH	
Grand Rapids, MI 49509  DETROIT, MI 48202  DETROIT, MI 48202  DETROIT, MI 48202  DETROIT, MI 48202  Detroit,	2101 Martindale Ave. SV	J			Address:	421 E. CANFIEI	D			
Technician:  J. JOHNSTON  Owner Contact: GERALD / DAVID KUFFMAN  Telephone: (313) 684-0852  Telephone: B00-444-8719  Approving Agency: DETROIT FIRE DEPARTMENT  PRIOR TO ANY TESTING  NOTIFICATIONS  PRIOR TO ANY TESTING  NOTIFICATIONS  BUILDING OCCUPANTS  BUILDING MANAGEMENT  X (313) 684-0852  GERALD / DAVID KUFFMAN  7:00AM  MONITORING ENTITY  X (313) 684-0899 TONY  CAMPUS SECURITY  7:00AM  AND (NOTIFIED) OF IMPAIRMENTS  SYSTEM INFORMATION  GENERAL INFORMATION (GI)  1. Is the building occupied as in past?  2. Is the building fully sprinkled?  3. System(s) in service without modification since the last inspection?  4. Spare heads and head box with wrench securely mounted?  5. Stock/Storage a minimum of 18" below sprinkler heads & ceiling tiles in place?  K 1. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?				•						
Telephone: 800-444-8719 Approving Agency: DETROIT FIRE DEPARTMENT  PRIOR TO ANY TESTING  NOTIFICATIONS YES PHONE NUMBERS WHO TIME BUILDING OCCUPANTS BUILDING MANAGEMENT X (313) 684-0852 GERALD / DAVID KUFFMAN 7:00AM MONITORING ENTITY X (313) 684-0899 TONY CAMPUS SECURITY 7:00AM AND MONITORING ENTITY TOO AMPUS SECURITY TOO AMPUS OF IMPAIRMENTS  SYSTEM INFORMATION  GENERAL INFORMATION (GI) YES NO N/A  1. Is the building occupied as in past? X 2. Is the building fully sprinkled? X 3. System(s) in service without modification since the last inspection? X 4. Spare heads and head box with wrench securely mounted? X 5. Stock/Storage a minimum of 18" below sprinkler heads & ceiling tiles in place? X 6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures? X	Grand Rapids, Mi 49309			J	DETROIT, IVI	1 40202				
Telephone: 800-444-8719 Approving Agency: DETROIT FIRE DEPARTMENT  PRIOR TO ANY TESTING  NOTIFICATIONS YES PHONE NUMBERS WHO TIME BUILDING OCCUPANTS BUILDING MANAGEMENT X (313) 684-0852 GERALD / DAVID KUFFMAN 7:00AM MONITORING ENTITY X (313) 684-0899 TONY CAMPUS SECURITY 7:00AM 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS  SYSTEM INFORMATION  GENERAL INFORMATION (GI) YES NO N/A  1. Is the building occupied as in past? 2. Is the building fully sprinkled? 3. System(s) in service without modification since the last inspection? 4. Spare heads and head box with wrench securely mounted? 5. Stock/Storage a minimum of 18" below sprinkler heads & ceiling tiles in place? X 6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?	Technician: J. JOHNSTON				Owner Conta	act:	GERALD / D	AVID KUFFN	ИAN	
Telephone: 800-444-8719 Approving Agency: DETROIT FIRE DEPARTMENT  PRIOR TO ANY TESTING  NOTIFICATIONS YES PHONE NUMBERS WHO TIME BUILDING OCCUPANTS BUILDING MANAGEMENT X (313) 684-0852 GERALD / DAVID KUFFMAN 7:00AM MONITORING ENTITY X (313) 684-0899 TONY CAMPUS SECURITY 7:00AM 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS  SYSTEM INFORMATION  GENERAL INFORMATION (GI) YES NO N/A  1. Is the building occupied as in past? 2. Is the building fully sprinkled? 3. System(s) in service without modification since the last inspection? 4. Spare heads and head box with wrench securely mounted? 5. Stock/Storage a minimum of 18" below sprinkler heads & ceiling tiles in place? X 6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?					Telephone:			(313) 684-0852		
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GENERAL INFORMATION (GI)     YES     NO     N/A       1. Is the building occupied as in past?     X       2. Is the building fully sprinkled?     X       3. System(s) in service without modification since the last inspection?     X       4. Spare heads and head box with wrench securely mounted?     X       5. Stock/Storage a minimum of 18" below sprinkler heads & ceiling tiles in place?     X       6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?     X	AHJ (NOTIFIED) OF IMPAI	RMENTS								
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<ol> <li>Is the building fully sprinkled?</li> <li>System(s) in service without modification since the last inspection?</li> <li>Spare heads and head box with wrench securely mounted?</li> <li>Stock/Storage a minimum of 18" below sprinkler heads &amp; ceiling tiles in place?</li> <li>Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?</li> </ol>		· <i>'</i>	10				<del>                                     </del>	NO	N/A	
3. System(s) in service without modification since the last inspection?  4. Spare heads and head box with wrench securely mounted?  5. Stock/Storage a minimum of 18" below sprinkler heads & ceiling tiles in place?  6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?  X	ů l		[ [							
<ul> <li>4. Spare heads and head box with wrench securely mounted?</li> <li>5. Stock/Storage a minimum of 18" below sprinkler heads &amp; ceiling tiles in place?</li> <li>6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?</li> <li>X</li> </ul>	<u> </u>		fication cin	co the last i	nepoetion?					
<ul> <li>5. Stock/Storage a minimum of 18" below sprinkler heads &amp; ceiling tiles in place?</li> <li>6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?</li> <li>X</li> </ul>										
6. Are all gauges in good condition, in 5-yr calibration, and showing normal pressures?						n place?			+	
	<u> </u>		•							
	,	12.2.27								



/AL	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
3.	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?	X		
	Are all control valves accessible with the proper operators?	X		
6.	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?	^		X
7.	valves lubilicateu?			
e D D	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	. ,	TES		IN/A
	Are all sprinkler heads unobstructed?	V	X	
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
4.	Are sprinkler heads of proper temperature rating?	X		
5.	Are riser(s) in good condition & unobstructed?	X		
6.	Hydraulic nameplate in place and OK?	X		
7.	System ID securely attached & legible?	X		
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
9.	Are all hangers OK?	X		
10.	Seismic bracing OK?			X
11.	Is Anti-Freeze Loop present? (if yes, complete Table 1)	X		
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	The Basimon From the Control Control From the Control			
ΔΙΔ	RM INFORMATION (AI)	YES	NO	N/A
1.	Was the local alarm tested & OK?	X	110	14/7
2.	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Flow Alarm Test:  Did Central Station receive Tamper Test?	X		
3.	,			
<u>4.</u>	Are alarm devices free from physical damage & all electrical connections secure?	X		
5.	Is alarm valve trim OK & set properly?		X	
6.	No leakage from retard chambers or alarm drains?		Χ	
7.	Was Inspector Test performed and results OK?	X		
DRY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
1.	Dry pipe valves in service & in good external condition?			X
2.	Pressure & priming water OK?			X
3.	Air supply in good working order?			X
4.	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?			Х
5.		Ì		Х
	All dry valves have been trip tested & OK (See Table 3)			
5. 6. 7.	All dry valves have been trip tested & OK (See Table 3)  Dry pipe valves are in heated area?			X



T	ABLE 1		AN <sup>-</sup>	TI-FREEZE	LOOP					
	No.	Location o	f Loop				No. of Heads	Type of	f Backflow	Temp
	1	JANITORS	STORAGE RI	M 1210 - CO	VERS LOAD	ING DOCK	5	SV	VING	-20°
	ABLE 2			AIN DRAIN 1						
R	iser No.	Drain Size	Static Pres		Residual F	Pressure (PSI)				
	1.	2	13	5						
	2. 3.									
	4.									
					l .					
T	ABLE 3		DR	Y SYSTEM	TEST					
	Valve					Starting Air	<u> </u>	_	Trip Air	<b>_</b>
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	r Pressure	Pressure	Trip Time
<u>.</u> 2.										
3.										
	ation of D	rum Drains	I S					Tested?	Yes	No
			_							_
								-		
2.										
								J		
2. T	ABLE 4		CONTROL	VALVE INF	ORMATION					
	ABLE 4		CONTROL	VALVE INF	FORMATION			l I		Tamper
T		of Valve					Sealed	Locked	Supervised	Tamper Operations
T	Туре	of Valve	CONTROL Accessible YES	Signs YES	Open YES	Secured YES	Sealed N/A	Locked N/A	Supervised YES	_
T Qty			Accessible	Signs	Open	Secured				Operation
T Qty	Type		Accessible YES	Signs YES	Open YES	Secured YES	N/A	N/A	YES	Operation: YES
T Qty	Type (MAIN (OS) PUMP BYPASS JOCKEY (	(BBALL)	Accessible YES YES YES YES YES	Signs YES YES YES NO	Open YES YES YES YES YES	Secured YES YES YES YES YES	N/A YES YES YES	N/A N/A N/A N/A	YES N/A N/A N/A	Operational YES N/A N/A N/A
T Qty 2	Type (MAIN (OS PUMP BYPASS JOCKEY (SECTIONAL	(BBALL)	Accessible YES YES YES YES YES YES YES	Signs YES YES YES NO YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A YES YES YES N/A	N/A N/A N/A N/A N/A	YES N/A N/A N/A N/A YES	YES N/A N/A N/A N/A N/A
T 2 2 3	Type of MAIN (OS PUMP BYPASS JOCKEY OS SECTIONAL ELEVATOR	(BBALL)  L (BFLY)  R (BALL)	Accessible YES YES YES YES YES YES YES YES YES	Signs YES YES YES NO YES YES	Open YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	N/A YES YES YES N/A YES	N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A YES N/A	YES N/A N/A N/A N/A N/A N/A
T Qty 2	Type (MAIN (OS PUMP BYPASS JOCKEY (SECTIONAL	(BBALL)  L (BFLY)  R (BALL)	Accessible YES YES YES YES YES YES YES	Signs YES YES YES NO YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A YES YES YES N/A	N/A N/A N/A N/A N/A	YES N/A N/A N/A N/A YES	YES N/A N/A N/A N/A N/A
2 2 3 1	Type (MAIN (OS PUMP BYPASS JOCKEY (SECTIONA ELEVATOR AFLOOP)	(BBALL)  LL (BFLY)  R (BALL)  (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES NO YES YES NO YES NO	Open YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A YES YES YES N/A YES	N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A YES N/A	YES N/A N/A N/A N/A N/A N/A
2 2 3 1	Type of MAIN (OS PUMP BYPASS JOCKEY OS SECTIONAL ELEVATOR AFLOOP OF MAIN AFLOOP O	(BBALL) LL (BFLY) R (BALL) (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES NO YES YES NO HECK VALV	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A YES YES YES N/A YES YES N/ES	N/A N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A YES N/A N/A	YES N/A N/A N/A N/A N/A N/A N/A N/A
2 2 3 1	Type of MAIN (OS PUMP BYPASS JOCKEY OS SECTIONAL ELEVATOR AFLOOP OF ABLE 5	(BBALL)  LL (BFLY)  R (BALL)  (OS&Y)	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES NO YES YES NO YES NO	Open YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A YES YES YES N/A YES	N/A N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A YES N/A N/A	Operation: YES N/A N/A N/A N/A N/A N/A N/A ATION
2 2 3 1 Tilo.	Type of MAIN (OS PUMP BYPASS JOCKEY OS SECTIONAL ELEVATOR AFLOOP OF ABLE 5	(BBALL) (L (BFLY) R (BALL) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES NO YES YES NO HECK VALV	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A YES YES YES N/A YES YES N/ES	N/A N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A YES N/A N/A LOC	YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
T 2 3 1 T Ido.	Type ( MAIN (OS PUMP BYPASS JOCKEY ( SECTIONA ELEVATOR AFLOOP (  ABLE 5 PUR DETECTO	(BBALL) (L (BFLY) R (BALL) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY	Signs YES YES YES NO YES YES NO HECK VALV MODEL 56Y82	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	N/A YES YES YES N/A YES YES N/ES	N/A N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A YES N/A N/A LOC/	VES N/A N/A N/A N/A N/A N/A N/A N/A N/A RM 0257 RM 0257
T 2 2 3 1 T Io	Type of MAIN (OS PUMP BYPASS JOCKEY (SECTIONA ELEVATOR AFLOOP ABLE 5 PUR DETECTO MAIN	(BBALL) (L (BFLY) R (BALL) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY KENNEDY	Signs YES YES YES NO YES YES NO HECK VALV MODEL 56Y82 WAFER	Open YES YES YES YES YES YES YES YES SE INFORMA SIZE 6" 6"	Secured           YES           YES           YES           YES           YES           YES           YES           YES           TION           YEAR           1973           1973	N/A YES YES YES N/A YES YES LAST INSP	N/A N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A YES N/A N/A M/A MECHANICAL	YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2 3 1 Tilo.	Type of MAIN (OS PUMP BYPASS JOCKEY OS SECTIONAL ELEVATOR AFLOOP ABLE 5 PUR DETECTOR MAIN BYPASS	(BBALL) (L (BFLY) R (BALL) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY KENNEDY KENNEDY	Signs YES YES YES NO YES YES NO HECK VALV MODEL 56Y82 WAFER WAFER	Open YES YES YES YES YES YES YES YES YES OF OF OR OF OF OF OF OF OF OF OF OF OF OF OF OF	Secured           YES           YES           YES           YES           YES           YES           YES           YES           YES           1973           1973           1986	N/A YES YES YES N/A YES YES LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A N/A O N/A O O O O O O O O O O O O O O O O O O O	YES N/A N/A N/A YES N/A N/A N/A MECHANICAL MECHANICAL	Operation YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2 3 1 Tolo.	Type of MAIN (OS PUMP BYPASS JOCKEY OS SECTIONAL ELEVATOR AFLOOP OF MAIN BYPASS PUMP	(BBALL) (L (BFLY) R (BALL) (OS&Y)  BRPOSE	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY KENNEDY KENNEDY	Signs YES YES YES NO YES YES NO HECK VALV MODEL 56Y82 WAFER WAFER	Open YES YES YES YES YES YES YES YES YES OF OF OF OF OF OF OF OF OF OF OF OF OF O	Secured           YES           YES           YES           YES           YES           YES           YES           YES           YES           1973           1973           1986           1986	N/A YES YES YES N/A YES YES LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A N/A O N/A O O O O O O O O O O O O O O O O O O O	YES N/A N/A N/A YES N/A N/A N/A  LOC/ MECHANICAL MECHANICAL MECHANICAL MECHANICAL	Operation YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2 3 1 T Tolo.	Type ( MAIN (OS PUMP BYPASS JOCKEY ( SECTIONA ELEVATOR AFLOOP  ABLE 5 PUR DETECTO MAIN BYPASS PUMP FDC JOCKEY JOCKEY	(BBALL)  LL (BFLY)  R (BALL)  (OS&Y)  BROSE  DR CHECK	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY KENNEDY KENNEDY KENNEDY NIBCO NIBCO	Signs YES YES YES NO YES NO HECK VALV MODEL 56Y82 WAFER WAFER WAFER SWING SWING	Open YES YES YES YES YES YES YES YES YES YES	Secured           YES           YES           YES           YES           YES           YES           YES           YES           YES           TION           YEAR           1973           1986           1986           1986           1986           1986           1986           1986           1986           1986           1986	N/A YES YES YES N/A YES YES LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A YES N/A N/A N/A  LOC MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
2 2 3 1	Type ( MAIN (OS PUMP BYPASS JOCKEY ( SECTIONA ELEVATOR AFLOOP  ABLE 5 PUR DETECTO MAIN BYPASS PUMP FDC JOCKEY	(BBALL)  L (BFLY)  R (BALL)  (OS&Y)  BROSE  DR CHECK	Accessible YES YES YES YES YES YES YES YES ACKFLOW/C MFG HERSEY KENNEDY KENNEDY NIBCO	Signs YES YES YES NO YES NO HECK VALV MODEL 56Y82 WAFER WAFER WAFER SWING	Open YES YES YES YES YES YES YES YES YES OF OF OF OF OF OF OF OF OF OF OF OF OF O	Secured           YES           YES           YES           YES           YES           YES           YES           YES           YES           1986           1986           1986           1986           1986           1986           1986	N/A YES YES YES N/A YES YES LAST INSP	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	YES N/A N/A N/A N/A YES N/A N/A  MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL	YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A



ON / OFF PREMISES MONITORING								
TYPE	YES	NO	TIME	COMMENTS				
ALARM SIGNAL	X							
ALARM RESTORAL	X							
TROUBLE SIGNAL	X							
TROUBLE RESTORAL	X							
SUPERVISORY SIGNAL	X							
SUPERVISORY RESTORAL	X							

#### **NOTIFICATIONS THAT TESTING IS COMPLETE TYPE** YES WHO TIME **BUILDING OCCUPANTS** BUILDING MANAGEMENT 11:00AM GERALD / DAVID KUFFNER Χ MONITORING ENTITY Χ CAMPUS SECURITY 11:00AM 2ND MONITORING ENTITY AHJ (NOTIFIED) OF IMPAIRMENTS

#### THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS INSPECTOR'S COMMENTS AND RECOMMENDATIONS

NOTE: FCI ALARM PANEL IN ELECTRICAL RM BY RISERS AND BREAKER LOCATED IN RM 0504

ALL LABS WITH FUME HOODS, HEADS ARE OBSTRUCTED AND NEED RELOCATED

(1) HEAD IN ELEVATOR EQUIPMENT ROOM MISSING ESCUTCHEON AND NEEDS RASIED

5 YR CHECK VALVE INSPECTIONS PERFORMED, WAS UNABLE TO DO MAIN, DETECTOR CHECK AND BYPASS BECAUSE MAIN 6" OS&Y WOULDN'T ISOLATE SYSTEM, NEEDS TO BE REPLACED,

MISSING ESCUTCHEONS ½" SEMI-RECESSED CHROME - (1) HALLWAY BY RM 3205, (1) RM 3134, (1) RM 2206 (NEEDS LOWERED, (1) DARK AREAS OF NO COVERAGE: UNDER DUCT DETECTOR 4' IN RM 3113, AND IN RM 2128
2 FDC CAPS MISSING. (CORRECTED AT INSPECTION)



CVCTEM DESTORED TO NORMAL OREDATION	DATE	0/40/		TIBAE	44.00014
SYSTEM RESTORED TO NORMAL OPERATION	DATE	9/13/	IZ	TIME	11:00AM
NAME OF INSPECTOR	J. JOHNSTO	N			
INSPECTOR'S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored cor	mmodity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected?	?	Yes or No	NO		
Have the deficiencies/violations been authorized for re	pair?	Yes or No	YES		
If no, please explain reason:	-	-	-		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	Χ

	1			<b>-</b>	1			
DATE:	9/13/12						e. SW, Gran I., Portage M	d Rapids MI II
ARRIVAL TIME:	7:00AM			X			e Dr, Sagina	
							ite A-9, Wix	
WORK ORDER NUMBER:	244872			<u> </u>	1050 Ark	oor Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZAT	TION (CORPORA	ATE)		1	PROPERT	TY NAME		
Vanguard Fire & Securi	tv				Name:	ELIMAN C	LINICAL RE	SEARCH
2101 Martindale Ave. S	•				Address:	421 E. CA	NFIFI D	
						<u>.</u>		
Grand Rapids, MI 4950	9			_	DETROIT,	MI 48202		
				7				
Technician:	J. JOHNS	TON		4	Owner Co	ntact:	GERALD /	D KUFFNER
					Telephone	<b>)</b> :	(586) 612-5	5203
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT I	FIRE DEPT.
NATITIO 1 TIONS			PRIOR TO AN		ı	14/116		
NOTIFICATIONS		YES	PHONE N	NUMBER		WHO		TIME
BUILDING OCCUPANTS	<del>-</del>	V	(040) 00	24.0050	050415 /5	AV (ID LA LEEN IS		7.00414
BUILDING MANAGEMEN MONITORING ENTITY	I	X	(313) 68	4-0852 GERALD / DAVID KUFFNER CAMPUS SECURITY		:K	7:00AM 7:00AM	
2ND MONITORING ENTI	ΤΥ				OAWII OO C	LOOKITI		7.00AW
AHJ (NOTIFIED) OF ANY								
		FIRE PUM	P & JOCKEY		RMATION			
			FIRE PUM	1		•		
MANUFACTURER	Al	LLIS CHAL	MERS	RATE GPM			750	
MODEL				RATE PSI			75	
SERIAL NUMBER	8	881-80940-0	01-01	PSI @ 150%		65		
TYPE		MSJF		MAX PRES		200		
RATED RPM		1765		AUTO STAF			45	
IMPELLER SIZE		13.5		SATISFIED		1	138	
HORSE POWER		50		AUTO STO			NO	
WATER SUPPLY		CITY		RUN TIMER			10 MIN	
			FIRE PUMF	PDRIVER				
MANUFACTURER		LINCOLI		FRAME	326TS	RATED RP	M	1770
MODEL		LINCGUA		VOLTAGE	460	HZ		60
SERIAL NUMBER		3307369		AMP	62.5	HORSE PC	WER	50
TYPE		ELECTRI		PHASE	3	SERVICE F		1.15



	FIRE PUMF	CONTROL			
MANUFACTURER	JOSLYN-CLARK	HORSE POWER RATING	3		50
MODEL	C8B174-4	VOLTAGE			460
SERIAL NUMBER	72710600-1-1	AMP RMS		3	0,000
	JOCKEY F	PUMP DATA			
MANUFACTURER		3/8"			
MODEL	PROCON ELECTRIC	INLET/OUTLET SIZE START PRESSURE (ON	)		97
SERIAL NUMBER	316P497	STOP PRESSURE (OFF)			130
HORSE POWER	1/3	VOLTAGE	,		110
	.,.	1.3232			
	REMOTE AL AL	RMS PROVIDED			
DISPLAYED AT	FCI	PHASE REVERSAL		,	YES
PUMP RUNNING	YES	PUMP ROOM LOW TEM	D		N/A
AC LOSS OF POWER	YES	LOW DIESEL FUEL	ı		N/A
AC LOSS OF FOWER	ILO	LOW DIESEL FOEL			IN/A
	FIDE DUMP 3	TEST REPORT			
Inspection of Pump	FIRE PUWIF	IEST REPORT	YES	NO	N/A
1. System found in service?			X	NO	IN/A
,	)				
2. Fire pump controller in automatic service?			X		
3. Jockey pump controller in service on auto	) (				
4. Is alarm panel clear?			X		
5. Is pump room secure?			X		
6. Heat, light and ventilation ok?			X		
7. Is pump room clean, dry and orderly?			X		
8. Ventilating louvers free to operate?					X
9. Suction, discharge and bypass valves ope			X		
10. Piping, valves and fittings free from leak	s?		X		
11. Main relief valve functions ok?			X		
Electronic Pump Inspection			YES	NO	N/A
1. Isolation switch and circuit breaker exerci	sed?		X		
Diesel Pump Inspection			YES	NO	N/A
Fuel tank at least two-thirds full?					X
<ol><li>Controller selector switch in auto position</li></ol>	?				X
3. Battery voltage and reading normal?					X
4. Battery charging current reading normal?					X
5. Battery terminal free from corrosion?					X
6. Battery acid level ok?					X
7. All alarm indicators off?					Χ
8. Oil levels normal?					X
Crankcase breather cleaned and ok?					Χ
10. Water strainer cleaned?					X
11. Wire chafing inspected?					Χ
12. Pressure recorder reset and graph pape	r present?				Χ
13. Engine coolant level normal?					X
14. Does Heat Exchanger Solenoid function	properly?				X



	ION OF FIRE PUMP AND PIPING (	JOHN GIVEN	YES	NO	N/A
Valves in proper position and in good condition	12		X	NO	11//
2. Are all valves listed for application?	••		X		
3. Valves locked, sealed or supervised?			X		
4. Are all valves tagged and identified?			X		
5. Jockey pump operational?			Χ		
6. Packing glands appear properly adjusted?			Χ		
7. Bi-monthly test records available?					X
B. Were automatic starts performed?			Χ		
9. Were manual starts performed?			Χ		
10. Did automatic and manual starts and stops f	unction properly?		Χ		
11. Remote alarm conditions demonstrated?			Χ		
12. Are drains operational and ok?			X		
13. Does fire pump shaft and coupling appear to	be properly aligned?		Χ		
14. Does jockey pump appear to be aligned ok?			Χ		
15. Does fire pump have casing relief valve and c			Χ		
16. Is test header in good condition and drained?				X	
17. Supplying tank or reservoir appears to be in s	atisfactory condition?				X
18. Tank water level ok?					X
19. At completion, was pump returned to automate			X		
20. Site personnel were offered instruction in pun			X		
<ol><li>Sensing lines for jockey and fire pump separa</li></ol>	ate?			X	
22. Power transfer switch tested and ok?					X
	FLOW INSPECTION REPORT				
Fire Pump Flow Test Report	CHURN	100%			FLOW
RPM During Test	1795	17			780
Voltage During Test	486 480 480	481 48		480 480 483	
Amperage During Test	27 28 29	55 5	6 53	60	60 63
DATED MET HEAD					
RATED NET HEAD	50		0		00
	RE 52 40				
			-		30
DISCHARGE PRESSURE	135	11	18	1	00
SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD			18	1	
DISCHARGE PRESSURE  NET HEAD	135 83	11	18	1	00
NET HEAD RATED GPM	135 83 750	11 7	8	1	70
RATED GPM DUTLET A PITOT	750 NA	11	8	1	00 70 660
RATED GPM OUTLET A PITOT OUTLET B PITOT	750 NA NA	11 7	8	1	70
RATED GPM OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT	750 NA NA NA	11 7	8	1	00 70 660
RATED GPM OUTLET A PITOT OUTLET C PITOT OUTLET C PITOT OUTLET D PITOT	135 83 750 NA NA NA NA	11 7	8	1	00 70 660
RATED GPM OUTLET A PITOT OUTLET C PITOT OUTLET D PITOT OUTLET D PITOT OUTLET E PITOT	135 83 750 NA NA NA NA NA	11 7 75	50	5	00 70 560 560
RATED GPM OUTLET A PITOT OUTLET C PITOT OUTLET D PITOT OUTLET D PITOT OUTLET E PITOT OUTLET E PITOT	135 83 750 NA NA NA NA	75 75	50	5 5	00 70 560 560
RATED GPM OUTLET A PITOT OUTLET C PITOT OUTLET D PITOT OUTLET D PITOT OUTLET E PITOT	135 83 750 NA NA NA NA NA	11 7 75	50	5 5	00 70 560 560



		ווט	ESEL DAITE	Y INSPECTION				
TYPE			ISUAL	FUNCTIONAL		COMMENTS		
BATTERY CONDITION			N/A					
/OLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
					_			
	EMERGEN	CY COMM	UNICATION E	QUIPMENT:ON/OF	F MONITORIN	IG		
TYPE	YES	NO	TIME		COM	MENTS		
ALARM SIGNAL	N/A							
ALARM RESTORAL	N/A							
ROUBLE SIGNAL	X							
ROUBLE RESTORAL	X							
UPERVISORY SIGNAL	N/A							
UPERVISORY RESTORAL	N/A							
			TIONS THAT	TESTING IS COMP	LETE			
TYPE		YES		WHO			TIME	
BUILDING OCCUPANTS			055415/5	A) (ID I (I IEEN ED				
BUILDING MANAGEMENT		X		AVID KUFFNER			11:00AM	
MONITORING ENTITY  ND MONITORING ENTITY		X	CAMPUS SE	CURITY		11:00AM		
	NIDMENITO							
	AIRMENTS							
AHJ (NOTIFIED) OF ANY IMPA		REORME	D IN ACCORD	ANCE WITH APPL	ICARI E NEPA	STANDARDS		
AHJ (NOTIFIED) OF ANY IMPA	ING WAS PE			AND RECOM				
AHJ (NOTIFIED) OF ANY IMPA	ING WAS PE			ANCE WITH APPL				
AHJ (NOTIFIED) OF ANY IMPA THIS TEST	ING WAS PE NSPECTO ARATED	OR'S CO	OMMENTS					
THIS TEST  SENSING LINES NOT SEP	ING WAS PE NSPECTO ARATED N JOCKEY F	PUMP CO	OMMENTS				11:00AM	
THIS TEST  THIS TEST  SENSING LINES NOT SEP  POWER BULB MISSING OF	ING WAS PE NSPECTO ARATED N JOCKEY F	PUMP CO	OMMENTS	AND RECOMI	MENDATIC	ONS	11:00AM	
THIS TEST  THIS TEST  SENSING LINES NOT SEP  POWER BULB MISSING OF  SYSTEM RESTORED TO NOT  NAME OF INSPECTOR	ING WAS PE NSPECTO ARATED N JOCKEY F	PUMP CO	OMMENTS	DATE	MENDATIC	ONS	11:00AM	
THIS TEST  THIS TEST  SENSING LINES NOT SEP  POWER BULB MISSING OF  SYSTEM RESTORED TO NOT  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE	ING WAS PE NSPECTO ARATED N JOCKEY F	PUMP CO	OMMENTS	DATE	9/13/12	ONS	11:00AM	
THIS TEST  THIS TEST  SENSING LINES NOT SEP  POWER BULB MISSING OF  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE	ING WAS PE NSPECTO ARATED N JOCKEY F	PUMP CO	OMMENTS	DATE  J. JOHNSTON	9/13/12	ONS	11:00AM	
THIS TEST  THIS TEST  SENSING LINES NOT SEP  POWER BULB MISSING OF  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE	ING WAS PE NSPECTO ARATED N JOCKEY F	PUMP CO	OMMENTS	DATE  J. JOHNSTON  DAVID KUFFNER	9/13/12	TIME	11:00AM	
THIS TEST  THIS TEST  SENSING LINES NOT SEP  POWER BULB MISSING OF  SYSTEM RESTORED TO NOR  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESE  SIGNATURE OF PROPERTY OF	ENTATIVE  OWNER/REP	ATION  RESENTA	OMMENTS ONTROLLER ATIVE	DATE  J. JOHNSTON  DAVID KUFFNER	9/13/12  Yes o	ONS	11:00AM	
THIS TEST  SENSING LINES NOT SEP  POWER BULB MISSING OF	ENTATIVE DWNER/REP with occupa	ATION  RESENTA	OMMENTS ONTROLLER OTIVE	DATE  J. JOHNSTON  DAVID KUFFNEF	9/13/12  Yes o	TIME	11:00AM	



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE:  ARRIVAL TIME:  WORK ORDER NUMBER:  SERVICE ORGANIZATION  Vanguard Fire & Security  2101 Martindale Ave. SW  Grand Rapids, MI 49509	, ,	E)		764 X 163	110 E. WARREN	, Portage Mi Dr, Saginav te A-9, Wixo Suite F, Hel	v MI m MI		
Grand Itapids, IVII 49509				DETROIT, M	1 40202				
Technician:	ician: J. JOHNSTON			Owner Conta	act:	ALLEN / DAV	ID KUFFNE	R	
				Telephone:			(586) 354-7585		
Telephone:	800-444-8719			Approving Agency:		DETROIT FIRE DEPARTM		RTMENT	
			PRIOR TO	ANY TESTI	NG				
NOTIFICATIONS	<u> </u>	YES		NUMBERS		WHO		TIME	
BUILDING OCCUPANTS		_							
BUILDING MANAGEMENT		Χ	(313) 684-0852 ALLEN / DAVID		ALLEN / DAVID K	D KUFFNER		11:30AM	
MONITORING ENTITY		X			CAMPUS SECUR	ITY		11:30AM	
2ND MONITORING ENTITY									
AHJ (NOTIFIED) OF IMPAI	RMENTS								
CENEDAL INFORMATION	(01)		SYSTEM	INFORMATIO	N	VEC	NO	N/A	
1. Is the building occup						YES X	NO	N/A	
Is the building fully s						X			
System(s) in service		tion sinc	e the last in	nspection?		X			
Spare heads and he				_		X			
<ol><li>Stock/Storage a min</li></ol>					n place?		Χ		
6. Are all gauges in go						Χ			
7. Wet system areas a	re adequately hea	ated?					Χ		



ΔΙΛ	/E INFORMATION	YES	NO	N/A
	Are all main control valves open?	X	110	11//
		^		
	Main control valves in good condition and identified?		X	
	Are control valves secure?	X	.,	
	Are all control valves accessible & free from external leaks?		X	
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
7.	Valves lubricated?			X
	NKLER & PIPING INFORMATION (SI)	YES	NO	N/A
1.	Are all sprinkler heads unobstructed?		X	
2.	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?	X		
3.	Are all sprinkler heads less than 50 years old?	X		
	Are sprinkler heads of proper temperature rating?	X		
	Are riser(s) in good condition & unobstructed?	X		
	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
		^		V
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?	X		
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
6.	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
LA	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X		
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?	X		
	Are alarm devices free from physical damage & all electrical connections secure?		X	
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?	1		X
	Were low points drained during fall & winter inspections?	+		X
	Are accelerator(s) in good condition?	+		
		+		X
	All dry valves have been trip tested & OK (See Table 3)			X
				. X
	Dry pipe valves are in heated area?  Was customer informed that they need to drain all drum drips on a monthly basis?			X



T	ABLE 1		AN <sup>-</sup>	TI-FREEZE I	LOOP					
	No.	Location o					No. of Heads	Type of	f Backflow	Temp
		N/A						,,		•
	ABLE 2			AIN DRAIN T	_					
R	iser No.	Drain Size	Static Press			Pressure (PSI)				
	1.	2"	130	0		115				
	2.									
	3.									
т	ABLE 3		DD.	Y SYSTEM	TEST					
	Valve		DIX.	1 3131LW	ILGI	Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
١.		N/A	•		· ·					
2.										
3.										
_OC	ation of D	rum Drains	S					Tested?	Yes	No
١										
								_		
								}		
3.	ABLEA	Ī	CONTROL	VALVE IN	EOPMATION .					
2. 3. T	ABLE 4		CONTROL	. VALVE INF	FORMATION	I I				
3.	ABLE 4		CONTROL	. VALVE INF	FORMATION	ı 		<u> </u>		Tamper
3. T		of Valve	CONTROL Accessible	. VALVE INF	FORMATION Open	Secured	Sealed	Locked	Supervised	
3. T							Sealed YES	Locked N/A	Supervised N/A	
3. T	Type of MAIN (OS) BYPASS		Accessible YES YES	Signs YES YES	Open YES YES	Secured YES YES	YES YES			Operationa N/A N/A
2ty 2 3 1	Type of MAIN (OS. BYPASS PUMP		Accessible YES YES YES	Signs YES YES YES	Open YES YES YES	Secured YES YES YES	YES YES YES	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
2ty 2 3 1 2	Type of MAIN (OS BYPASS PUMP JOCKEY	&Y)	Accessible YES YES YES YES YES	Signs YES YES YES YES YES	Open YES YES YES YES YES	Secured YES YES YES YES YES	YES YES YES YES	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A N/A
2 2 3 1 2 7	Type of MAIN (OS BYPASS PUMP JOCKEY SECTIONA	&Y) L	Accessible YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	YES YES YES YES YES N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES	N/A N/A N/A N/A N/A YES
3. T 2 3 1 2 7 3	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR	&Y)	Accessible YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES YES	N/A N/A N/A N/A N/A YES YES
3. T 2 3 1 1 2 7 3 1 1	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAD	&Y)  L  R  DER (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A N/A YES	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES YES N/A	N/A N/A N/A N/A N/A YES N/A
3. Qty 2 3 1 2 7 3	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR	&Y)  L  R  DER (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES YES	N/A N/A N/A N/A N/A YES YES
3. T Qty 2 3 1 2 7 3 1 4	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAD SECTIONAL SECTIONAL PURPLE OF THE SE	L R DER (OS&Y) AL (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A N/A YES	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES YES N/A	N/A N/A N/A N/A N/A YES YES N/A
T Qty 2 3 1 2 7 3 1 4 T	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAL SECTIONAL ABLE 5	L R DER (OS&Y) AL (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES YES N/A N/A	N/A N/A N/A N/A N/A YES YES N/A N/A
2 2 3 1 2 7 3 1 4 TNo.	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAD SECTIONAL SECTIONAL PUR PUR	L R DER (OS&Y) AL (OS&Y)	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES YES N/C YES	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A N/A YES	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES YES N/A N/A	N/A N/A N/A N/A N/A YES YES N/A N/A
T Qty 2 3 1 2 7 3 1 4 T No.	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAD SECTIONAL PUR DETECTO	L DER (OS&Y) AL (OS&Y) B POSE	Accessible YES YES YES YES YES YES YES YES YES ACKFLOW/CI	Signs YES YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES YES N/C YES EINFORMA	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES YES N/A N/A	N/A N/A N/A N/A N/A YES YES N/A N/A N/A
2ty 2 3 1 2 7 3 1 4 T No. I. 22.	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAD SECTIONAL PUR DETECTO	L R DER (OS&Y) AL (OS&Y) B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES ACKFLOW/CI	Signs YES YES YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES YES N/C YES EINFORMA SIZE 6"	Secured YES YES YES YES YES YES YES YES YES YES	YES YES YES YES N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A YES YES N/A N/A N/A N/A	N/A N/A N/A N/A N/A YES YES N/A N/A N/A N/A N/A N/A
T  Qty 2 3 1 2 7 3 1 4 T No. I. 22.	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAD SECTIONAL ABLE 5 PUR DETECTO DETECTO	L R DER (OS&Y) AL (OS&Y) B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES MECK VALV MODEL D-1 SWING	Open YES YES YES YES YES YES YES N/C YES E INFORMA SIZE 6" 3/4"	Secured           YES           1971           1971           1971	YES YES YES YES N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A YES YES N/A N/A N/A BSMNT MECH	N/A N/A N/A N/A N/A N/A YES YES N/A N/A N/A N/A N/A N/A N/A
T Qty 2 3 1 2 7 3 1 4 T No. I. 2. 33. 4.	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONA ELEVATOR TEST HEAD SECTIONA ABLE 5 PUR DETECTO MAIN	L R DER (OS&Y) AL (OS&Y) B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES YES	Open     YES     YES     YES     YES     YES     YES     YES     N/C     YES      IE INFORMA     SIZE     6"     3/4"     6"     6"     6"	Secured           YES           1971           1971           1971           1971           1971	YES YES YES YES N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A YES YES N/A N/A N/A  LOC BSMNT MECH BSMNT MECH BSMNT MECH	N/A N/A N/A N/A N/A N/A YES YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
T T No. 1. 2. 3. 4. 5.	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAD SECTIONAL DETECTO MAIN BYPASS	L R DER (OS&Y) AL (OS&Y) B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES YES	Signs	Open YES YES YES YES YES YES YES N/C YES  **E INFORMA **SIZE 6" 6" 6" 6" 6" 4"	Secured           YES           1971           1971           1971           1971           1971           1971           1971           1971	YES YES YES YES N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A YES YES N/A N/A N/A BSMNT MECH BSMNT MECH BSMNT MECH	N/A N/A N/A N/A N/A N/A YES YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
Qty 2 3 1 2 7 3 1 4	Type of MAIN (OS. BYPASS PUMP JOCKEY SECTIONAL ELEVATOR TEST HEAD SECTIONAL DETECTO MAIN BYPASS PUMP	L R DER (OS&Y) AL (OS&Y) B POSE OR CHECK	Accessible YES YES YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES YES YES	Open     YES     YES     YES     YES     YES     YES     YES     N/C     YES      IE INFORMA     SIZE     6"     3/4"     6"     6"     6"	Secured	YES YES YES YES N/A N/A YES N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A YES YES N/A N/A N/A  LOC BSMNT MECH BSMNT MECH BSMNT MECH BSMNT MECH BSMNT MECH	N/A N/A N/A N/A N/A N/A N/A YES YES N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A



	(	ON / OFF PR	EMISES MONIT	ORING		
TYPE	YES	NO	TIME	Co	OMMENTS	
ALARM SIGNAL	X					
ALARM RESTORAL	X					
TROUBLE SIGNAL	X					
TROUBLE RESTORAL	X					
SUPERVISORY SIGNAL	X					
SUPERVISORY RESTORAL	X					
	NOTIF	ICATIONS T	HAT TESTING IS	S COMPLETE		
ГҮРЕ	YES			WHO		TIME
BUILDING OCCUPANTS						
BUILDING MANAGEMENT	X	ALLEN / C	AVID KUFFNER	2	1:	2:00PM
MONITORING ENTITY	X	CAMPUS	SECURITY		1:	2:00PM
2ND MONITORING ENTITY						
AHJ (NOTIFIED) OF IMPAIRMENTS						
THIS TESTING WA	AS PERFOR	MED IN ACC	CORDANCE WIT	TH APPLICABLE NFPA S	TANDARDS	
INSPE	CTOR'S	COMMEN	NTS AND RE	COMMENDATION	S	
ALL (60) GARAGE DRY PENDANTS HAVE OF MISSING CEILING TILE AROUND SPRINKLING SING GLOBE ½" CHROME SEMI-RECES ALL OS&Y VALVES NEED REPLACED AND DLD FIRE HOSES NEED REMOVED THEY	ER HEAD IN F SSED ESCUT (3) 6" OS&Y	RM 0121 CHEONS: (1) AT MAIN NEE	HALL BY RM 610 <sup>-</sup>			
SYSTEM RESTORED TO NORMAL OP	ERATION		DATE	9/13/12	TIME	3:00PM
NAME OF INSPECTOR			J. JOHNSTON	N		
NSPECTOR'S SIGNATURE						
NAME OF PROPERTY OWNER/REPRE	SENTATIVE	<b>=</b>	DAVID KUFFI	NER		
SIGNATURE OF PROPERTY OWNER/F	REPRESENT	ΓATIVE				
		-1		V N. V		
s system code compliant with occ	cupancy &	stored con	nmodity?	Yes or No YES		
				Vac as No		
Have the noted deficiencies/violati	ons been o		-	Yes or No NO YES		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	X

				7	1 0404 14	.C. J.L. A	014/ 0	L D L I - NAI
DATE:	9/13/12						e. Svv, Gran ., Portage M	d Rapids MI II
ARRIVAL TIME:	11:30AM			X			Dr, Sagina	
							ite A-9, Wix	
WORK ORDER NUMBER:	244855				1050 Arb	or Tech Dr	. Suite F, He	ebron KY
SERVICE ORGANIZATION	(CORPORA	ATE)			PROPERT	YNAME		
Vanguard Fire & Security					Name:	110 E WA	RREN - 637	
2101 Martindale Ave. SW					Address:	110 E WA	RREN	
Grand Rapids, MI 49509					DETROIT,			
Grand Rapids, IVII 49509				_	DETROIT,	WII 402U2		
Technician:	J. JOHNS	TON		1	Owner Co	oto oti	ALLEN / D	KLIEENED
recrinician.	J. JUHNS	TON		1				KUFFNER
				-	Telephone	:	(586) 354-7	7585
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.
			DDIOD TO AA	IV TEOTINO				
NOTIFICATIONS		YES	PRIOR TO AN PHONE N		I	WHO		TIME
BUILDING OCCUPANTS		ILO	PHONE	AOMIDEK		WITO		IIIVIC
BUILDING MANAGEMENT		X	(586) 35	54-7585	ALLEN / DA	VID KUFFN	ER	11:30AM
MONITORING ENTITY		Χ	(222)		CAMPUS S			11:30AM
2ND MONITORING ENTITY								
AHJ (NOTIFIED) OF ANY IMP	PAIRMENTS							
		FIDE DUM	D & IOCKEV	DUMD INFO	MATION			
		FIRE PUM	P & JOCKEY   FIRE PUM		MATION			
MANUFACTURER	1	AUROR		RATE GPM			750	
MODEL		71011010		RATE PSI			50	
SERIAL NUMBER		71-8045	9	PSI @ 150%	/ 0			
TYPE		4-481-11		MAX PRES				
RATED RPM		1760		AUTO STAF	RT		85	
IMPELLER SIZE				SATISFIED	PSI		122	
HORSE POWER		30		AUTO STO	)		YES	
WATER SUPPLY		CITY		RUN TIMER	}		3 MIN	
			FIDE DUM	DDI//ED				
MANUFACTURER	I	MADATU	FIRE PUMF		206T	RATED RP	N //	1765
MODEL	0.10	MARATHO 86TTDR702		FRAME VOLTAGE	286T 460	HZ	IVI	1765 60
SERIAL NUMBER	932	905624		AMP	37.5	HORSE PC	WFR	30
TYPE		ELECTRI		PHASE	3	SERVICE F		1.15
<u> </u>	L		· <del>-</del>	1:		132021		



	FIRE PUME	CONTROL			
MANUFACTURER	CLARK	HORSE POWER RATING			30
MODEL	810630	VOLTAGE			460
SERIAL NUMBER	247698-1-1	AMP RMS			0,000
OLIVIAL NOWIDLIX	247030-1-1	AWI KWO			0,000
	JOCKEY F	PUMP DATA			
MANUFACTURER	GRUNDFOS	INLET/OUTLET SIZE			11/4"
MODEL	CR-1	START PRESSURE (ON	)		105
SERIAL NUMBER	HK09N72277-11	STOP PRESSURE (OFF	)		124
HORSE POWER	1.5	VOLTAGE			480
	REMOTE ALAI	RMS PROVIDED			
DISPLAYED AT	N/A	PHASE REVERSAL			N/A
PUMP RUNNING	N/A	PUMP ROOM LOW TEM	P		N/A
AC LOSS OF POWER	N/A	LOW DIESEL FUEL			N/A
	FIRE PUMP 1	TEST REPORT	\/T0	1 110 1	
Inspection of Pump			YES	NO	N/A
1. System found in service?	m da a 2		X		
<ol> <li>Fire pump controller in automatic se</li> <li>Jockey pump controller in service or</li> </ol>			X		
	n auto?		X		
4. Is alarm panel clear?			X		
5. Is pump room secure?					
6. Heat, light and ventilation ok?	.0		X		
7. Is pump room clean, dry and orderly	/ ?		Χ		X
8. Ventilating louvers free to operate?			X		
9. Suction, discharge and bypass valve			Χ	V	
10. Piping, valves and fittings free from	n leaks?			X	
11. Main relief valve functions ok?			YES	X	N/A
Electronic Pump Inspection	avaraina dO			NO	N/A
1. Isolation switch and circuit breaker	exercised?		YES	NO	N/A
Diesel Pump Inspection  1. Fuel tank at least two-thirds full?			163	NO	X
	oition?				X
<ol> <li>Controller selector switch in auto po</li> <li>Battery voltage and reading normal?</li> </ol>					X
					X
4. Battery charging current reading no					
5. Battery terminal free from corrosion	<u>'</u>				X
6. Battery acid level ok?					
7. All alarm indicators off? 8. Oil levels normal?					X
Oil levels normal?     Crankcase breather cleaned and ok	2				X
Unankcase breather cleaned and ok     Water strainer cleaned?	. f				X
11. Wire chafing inspected?	nonor propont?				X
<ul><li>12. Pressure recorder reset and graph</li><li>13. Engine coolant level normal?</li></ul>	paper present?				X
14. Does Heat Exchanger Solenoid fur	notion properly?				X
14. Dues Heat Exchanger Solehold für	notion property?				^



		TIRE PUMP AND PIPING C		YES	NO	N/A
Valves in proper position and in good conditio	n2			X	NO	N/A
2. Are all valves listed for application?	111:			X		
3. Valves locked, sealed or supervised?				X		
4. Are all valves tagged and identified?				X		
5. Jockey pump operational?				X		
6. Packing glands appear properly adjusted?				X		
7. Bi-monthly test records available?						X
8. Were automatic starts performed?				Χ		
9. Were manual starts performed?				Χ		
10. Did automatic and manual starts and stops	function p	roperly?		Χ		
11. Remote alarm conditions demonstrated?						X
12. Are drains operational and ok?				X		
13. Does fire pump shaft and coupling appear to		ly aligned?		X		
14. Does jockey pump appear to be aligned ok?				X		
15. Does fire pump have casing relief valve and		ction properly?		X		
<ol><li>16. Is test header in good condition and drained</li></ol>					X	
17. Supplying tank or reservoir appears to be in	satisfactor	y condition?			X	
18. Tank water level ok?						X
19. At completion, was pump returned to automa						X
20. Site personnel were offered instruction in pur		ons?		X		
21. Sensing lines for jockey and fire pump separ	ate?			X		
22. Power transfer switch tested and ok?						X
	FLO	W INSPECTION REPORT				
Fire Pump Flow Test Report	FLO	CHURN	100%	FLOW	150	% FLOW
RPM During Test	_	1787	100 /6	FLOW	130	70 FLOVV
Voltage During Test	_	480 478 480				
Amperage During Test	_	20 21 20				
amperage burning rest	_	20 21 20				
RATED NET HEAD						
SUCTION PRESSURE		46				
DISCHARGE PRESSURE		108				
NET HEAD		62	(	)		0
RATED GPM	750	0				
OUTLET A PITOT		NA				
OUTLET B PITOT		NA				
OUTLET C PITOT		NA				
OUTLET D PITOT		NA				
OUTLET E PITOT		NA				
TOTAL FLOW		0		)		0
RATED % OF FLOW			0'	%		0%



		DIE	ESEL BATTER	Y INSPECTION	1			
TYPE			ISUAL	FUNCTI			COMME	NTS
BATTERY CONDITION			N/A					
VOLTAGE								
BATTERY SIZE								
CHARGER VOLTAGE								
	EMEDOENO	V COMM	LINICATION E	OLUDMENT.ON	VOEE MONITO	DINC		
TYPE	YES	NO NO	TIME	QUIPMENT:ON		OMMEN	TS	
ALARM SIGNAL	1120	110	11141	N/A		OMMEN	10	
ALARM RESTORAL				N/A				
TROUBLE SIGNAL				N/A				
TROUBLE RESTORAL				N/A				
SUPERVISORY SIGNAL				N/A				
SUPERVISORY RESTORAL				N/A				
	N		TIONS THAT 1	ESTING IS CO		1		
TYPE		YES		WHO	)			TIME
BUILDING OCCUPANTS			ALLEN ( D A )	(ID IVIEENED				0.00014
BUILDING MANAGEMENT MONITORING ENTITY		X	CAMPUS SE	ID KUFFNER				3:00PM
2ND MONITORING ENTITY			CAMPUS SE	CURITY				3:00PM
AHJ (NOTIFIED) OF ANY IMPA	IDMENTS							
ALIS (NOTHIED) OF ANT INIT A	III III III III III III III III III II							
THIS TEST	ING WAS PER	RFORME	D IN ACCORD	ANCE WITH AI	PPLICABLE N	FPA STA	NDARDS	
I	NSPECTO	R'S CC	OMMENTS	AND RECO	MMENDA	TIONS		
UNABLE TO READ PUMP PLA								
							V	
NOT ABLE TO FLOW PUMP. T	EST HEADER	VALVE	LEAKED NEAR	RELECTRICAL	PANELS. CHU	IRN ONL	Y	
BULB ON CONTROLLER IS OU	JT AND NEED	S TO BE	REPLACED					
				<del> </del>				
SYSTEM RESTORED TO NOR	MAL OPERA	ΓΙΟΝ		DATE	9/13/12		TIME	3:00PM
NAME OF INSPECTOR				J. JOHNSTON	NI.			
NAME OF INSPECTOR				J. JOHNSTOI	V			
INSPECTOR'S SIGNATURE								
NAME OF OWNER/ REPRESE	NTATIVE			DAVID KUFF	NER			
	14 1 W 1 1 A F							
SIGNATURE OF PROPERTY C		ESENTA	TIVE					
	WNER/REPR			ditv2	lva	s or No	VES	
SIGNATURE OF PROPERTY C	OWNER/REPR	ncy & st	ored commo	dity?		s or No		
	WNER/REPR	ncy & st been co	ored commo	•	Ye	s or No s or No s or No	NO	



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Monthly	
Quarterly	
Semi-Annual	
Annual	X

DATE: ARRIVAL TIME: WORK ORDER NUMBER	9/14/2012 8:00AM : 244887			76 X 16 28	01 Martindale Ave 46 S. Sprinkle Ro 33 S. Champagne 221 Beck Rd., Su 50 Arbor Tech Dr	I., Portage M e Dr, Saginav iite A-9, Wixo	I v MI om MI	l
SERVICE ORGANIZ	ATION (CORPO	RATE)	]	PROPERTY	NAME			
Vanguard Fire & Sec	urity			Name:	WAYNE STATE	- METROPO	OLITAN CE	NTER
2101 Martindale Ave.	. SW			Address:	2727 SECOND	AVE		
Grand Rapids, MI 49				DETROIT, N				
Orana Rapido, IVII 400	000		1	DETROIT, II	11 40202			
Technician:	J. JOHNSTO	ON		Owner Cont	act:	PETE		
				Telephone:		(313) 684-0	870	
Telephone:				Approving A	gency:	DETROIT F		RTMENT
			DDIOD TO	ANY TEST	INC			
NOTIFICATIONS		YES		NUMBERS	T	WHO		TIME
BUILDING OCCUPANT	rs.	X	THORE	HOMBLING	SECURITY DESK			111111
BUILDING MANAGEME		X	(313)	684-0870	PETE / DAVID KU			8:00AM
MONITORING ENTITY		X	(0.0)		CAMPUS SECUR			8:00AM
2ND MONITORING EN			248-3	74-5705	SECURITY CORI			8:00AM
AHJ (NOTIFIED) OF IM	1PAIRMENTS							
			SYSTEM	INFORMATIC	N			
GENERAL INFORMAT						YES	NO	N/A
Is the building or		t?				X		
2. Is the building fu	, ,						X	
3. System(s) in ser						<del>                                     </del>	X	
4. Spare heads and					:IO	X		<del> </del>
5. Stock/Storage a						X	V	<del> </del>
<ul><li>6. Are all gauges in</li><li>7. Wet system area</li></ul>	•		nation, and	snowing norr	nai pressures?	+	X	+
r. wei system area	as are adequately	/ Healeu?					Λ	1



AL'	VE INFORMATION	YES	NO	N/A
	Are all main control valves open?	X		1471
2.	Main control valves in good condition and identified?	X		
	Are control valves secure?	X		
4.	Are all control valves accessible & free from external leaks?		X	
	Are all control valves provided with the proper operators?	X		
	All control valves operated through full range & returned to normal position?	X		
	Valves lubricated?	^		
7.	valves lubricated?		X	
DD	INIVI ED & DIDING INFORMATION (CI)	VEC	NO	l NI/A
	INKLER & PIPING INFORMATION (SI)	YES	NO	N/A
	Are all sprinkler heads unobstructed?		X	
	Are sprinkler heads free of corrosion, tape, paint &/or physical damage?		X	
	Are all sprinkler heads less than 50 years old?		X	
	Are sprinkler heads of proper temperature rating?	X		
	Are riser(s) in good condition & unobstructed?	X		
	Hydraulic nameplate in place and OK?			X
	System ID securely attached & legible?			X
8.	Pipe in good condition, free of damage, obstructions, and leaks?	X		
	Are all hangers OK?	X		
	Seismic bracing OK?			X
	Is Anti-Freeze Loop present? (if yes, complete Table 1)			X
	Are Relief Valves on gridded system OK?			X
	Fire Department Connection (FDC) & Caps OK?	X		
	FDC equipped with ball drip? (if yes, in good working order?)	X		
	Was Main Drain Test performed? (See Table 2)	X		
	Are Backflow Preventers / Check Valves present (if yes, complete Table 5)	X		
10.	Are Backnow Freventers / Check valves present (ii yes, complete rable 3)	^		
ΙΛ.	RM INFORMATION (AI)	YES	NO	N/A
	Was the local alarm tested & OK?	X	NO	IN/A
	Did Central Station receive Flow Alarm Test?	X		
	Did Central Station receive Tamper Test?			X
	Are alarm devices free from physical damage & all electrical connections secure?	X		
	Is alarm valve trim OK & set properly?			X
	No leakage from retard chambers or alarm drains?			X
	Was Inspector Test performed and results OK?	X		
RY	PIPE SYSTEM INSPECTION (DI)	YES	NO	N/A
	Dry pipe valves in service & in good external condition?			X
	Pressure & priming water OK?			X
	Air supply in good working order?			X
	Were low points drained during fall & winter inspections?			X
	Are accelerator(s) in good condition?			X
	All dry valves have been trip tested & OK (See Table 3)	+		X
<u>.                                    </u>	Dry pipe valves are in heated area?			X
	Was customer informed that they need to drain all drum drips on a monthly basis?	+		X
	vvas customer informed that they need to drain all drum drips on a monthly basis?			



Т	ABLE 1	T T	∆ NI°	TI-FREEZE I	LOOP					
- 14	No.	Location o			LJUF	I	No. of Heads	Type of	f Backflow	Temp
	NO.	Location o	ГЕООР				No. or rieaus	i ype oi	Dackilow	Temp
		_								
T	ABLE 2		MA	AIN DRAIN 1	FST					
	iser No.	Drain Size	Static Pres			Pressure (PSI)				
	1.	2	16			148				
	2.	2	16			148				
	3.									
	-									
Т	ABLE 3		DR	Y SYSTEM	TEST					
	Valve		I			Starting Air			Trip Air	
No.	Size	Location o	f Dry Valve	Full or Pa	artial Trip	Pressure	Starting Water	Pressure	Pressure	Trip Time
1.										
2.		N/A								
3.								_		
Loc	ation of D	rum Drains	S					Tested?	Yes	No
1.										
2.										
3.										
2. 3. T	ABLE 4		CONTROL	_ VALVE INF	FORMATION					
3.	ABLE 4		CONTROL	_ VALVE INF	FORMATION					Tompor
3. T		of Valve					Spaled	Locked	Supervised	Tamper
3. T Qty	Туре	of Valve	Accessible	Signs	Open	Secured	Sealed N/A	Locked	Supervised N/A	Operationa
T Qty	Type of MAIN (OS	&Y)	Accessible YES	Signs YES	Open YES	Secured YES	N/A	YES	N/A	Operationa N/A
3.  T  Qty  2  1	Type of MAIN (OS PUMP (OS	&Y) S&Y)	Accessible YES YES	Signs YES YES	Open YES YES	Secured YES YES	N/A N/A	YES YES	N/A N/A	Operationa N/A N/A
3.  T  Qty 2 1 3	Type of MAIN (OS PUMP (OS BYPASS (	&Y) S&Y)	Accessible YES YES YES	Signs YES YES YES	Open YES YES YES	Secured YES YES YES	N/A N/A N/A	YES YES YES	N/A N/A N/A	N/A N/A N/A
3. Qty 2 1 3 1	Type of MAIN (OS PUMP (OS BYPASS (	&Y) S&Y) (OS&Y)	Accessible YES YES YES YES YES	Signs YES YES YES YES YES	Open YES YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	YES YES YES YES	N/A N/A N/A N/A	Operationa N/A N/A N/A N/A
Qty 2 1 3 1 12	Type of MAIN (OS PUMP (OS BYPASS ( JOCKEY SECTIONA	&Y) S&Y) (OS&Y) L (OS&Y)	Accessible YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES	Open YES YES YES YES YES YES	Secured YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A
3. T Qty 2 1 3 1	Type of MAIN (OS PUMP (OS BYPASS ( JOCKEY SECTIONA	&Y) S&Y) (OS&Y)	Accessible YES YES YES YES YES	Signs YES YES YES YES YES	Open YES YES YES YES YES	Secured YES YES YES YES YES	N/A N/A N/A N/A	YES YES YES YES	N/A N/A N/A N/A	Operationa N/A N/A N/A N/A
Qty 2 1 3 1 12 1	Type of MAIN (OS PUMP (OS BYPASS ( JOCKEY SECTIONA TEST HEAI	&Y) S&Y) (OS&Y) L (OS&Y) DER (OS&Y)	Accessible YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES N/C	Secured YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	YES YES YES YES YES YES	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A
3. T Qty 2 1 3 1 12 1	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY SECTIONA TEST HEAD	&Y) S&Y) (OS&Y) L (OS&Y) DER (OS&Y)	Accessible YES YES YES YES YES YES YES YES	Signs YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES N/C	Secured YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A
3.  T  Qty 2 1 3 1 12 1 T  No.	Type of MAIN (OS PUMP (OS BYPASS ( JOCKEY SECTIONA TEST HEAD	&Y) (S&Y) (OS&Y)  L (OS&Y)  DER (OS&Y)	Accessible YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES YES YES YES YES YES	Open YES YES YES YES YES YES N/C	Secured YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	Operationa N/A N/A N/A N/A N/A N/A N/A N/A ATION
T Qty 2 1 3 1 12 1 T No. 1.	Type of MAIN (OS PUMP (OS BYPASS ( JOCKEY SECTIONA TEST HEAD	&Y) S&Y) (OS&Y)  L (OS&Y) DER (OS&Y)  BRPOSE	Accessible YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES YES YES YES YES MECK VALV MODEL	Open YES YES YES YES YES YES N/C	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A SOCOURT	Operationa N/A N/A N/A N/A N/A N/A N/A N/A N/A RTION RROOM
T Qty 2 1 3 1 12 1 T No. 11. 22.	Type of MAIN (OS PUMP (OS BYPASS ( JOCKEY SECTIONA TEST HEAD PUR DETECTO	&Y) S&Y) (OS&Y)  L (OS&Y) DER (OS&Y)  BRPOSE	Accessible YES YES YES YES YES YES YES ACKFLOW/C	Signs YES YES YES YES YES YES YES MECK VALV MODEL C	Open YES YES YES YES YES N/C YEINFORMA SIZE 8"	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A ROOM ROOM
T Qty 2 1 3 1 12 1 T No. 11. 22. 33.	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY SECTIONA TEST HEAD PUR DETECTO PUMP BYPASS	&Y) S&Y) (OS&Y)  L (OS&Y) DER (OS&Y)  BRPOSE	Accessible YES YES YES YES YES YES YES YES VES VES  ACKFLOW/C MFG VIKING	Signs YES YES YES YES YES YES YES WES YES SECOND SIGNED SIGNED C SWING	Open YES YES YES YES YES N/C ZEINFORMA SIZE 8" 8"	Secured YES YES YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A LAST INSPI	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A SMT BOILER BSMT BOILER BSMT BOILER	N/A N/A N/A N/A N/A N/A N/A N/A N/A ROOM ROOM ROOM
3.  T  Qty 2 1 3 1 12 1 T No. 1. 2. 3.	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY SECTIONA TEST HEAD TEST HEAD DETECTO PUMP BYPASS JOCKEY	&Y) S&Y) (OS&Y) L (OS&Y) DER (OS&Y) B RPOSE DR CHECK	Accessible YES YES YES YES YES YES YES YES YES MFG VIKING MHU&F CO. U/S	Signs YES YES YES YES YES YES YES OF THE CK VALV MODEL C SWING SWING	Open YES YES YES YES YES N/C YEINFORMA SIZE 8" 8" 8"	Secured           YES           YES           YES           YES           YES           YES           YES           YES           1929           1973	N/A N/A N/A N/A N/A N/A LAST INSPI	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A S N/A N/A BSMT BOILER BSMT BOILER	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
3.  T  Qty 2 1 3 1 12 1 T No. 1. 2. 3. 4.	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY SECTIONA TEST HEAD PUR DETECTO PUMP BYPASS	&Y) S&Y) (OS&Y) L (OS&Y) DER (OS&Y) BROSE DR CHECK	Accessible YES YES YES YES YES YES YES YES VISION MFG VIKING	Signs YES YES YES YES YES YES YES WES YES SECOND SIGNED SIGNED C SWING	Open YES YES YES YES YES N/C ZEINFORMA SIZE 8" 8"	Secured           YES           YES           YES           YES           YES           YES           YES           1929           1973           1975	N/A N/A N/A N/A N/A N/A LAST INSPI	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A SMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
3.  T  Qty 2 1 3 1 12 1 T No. 1. 2. 3. 4. 5. 6.	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY SECTIONA TEST HEAD PUR DETECTO PUMP BYPASS JOCKEY ALARM C	&Y) S&Y) (OS&Y) L (OS&Y) DER (OS&Y) BROSE DR CHECK	Accessible YES YES YES YES YES YES YES YES YES  ACKFLOW/C MFG VIKING  MHU&F CO. U/S VIKING	Signs YES YES YES YES YES YES YES WES YES WING SWING TAYDEN	Open YES YES YES YES YES N/C ZEINFORMA SIZE 8" 8" 8" 8" 8"	Secured	N/A N/A N/A N/A N/A N/A N/A 2010 2010	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A  BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER	Operationa N/A N/A N/A N/A N/A N/A N/A N/A N/A ROOM ROOM ROOM ROOM ROOM
3.  T  Qty 2 1 3 1 12 1 No. 1. 2. 3. 4. 5. 6. 7.	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY SECTIONA TEST HEAD PUR DETECTO PUMP BYPASS JOCKEY ALARM CI ALARM CI ALARM CI	&Y) S&Y) (OS&Y) L (OS&Y) DER (OS&Y) BROSE DR CHECK	Accessible YES YES YES YES YES YES YES YES VIKING MHU&F CO. U/S VIKING VIKING	Signs YES YES YES YES YES YES YES WES YES WING TAYDEN TAYDEN	Open     YES     YES     YES     YES     YES     N/C  E INFORMA     SIZE     8"     8"     8"     8"     8"     8"	Secured	N/A N/A N/A N/A N/A N/A LAST INSPI	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A  BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER	Operationa N/A N/A N/A N/A N/A N/A N/A N/A N/A ROOM ROOM ROOM ROOM ROOM ROOM ROOM ROO
Qty 2 1 3 1 12 1	Type of MAIN (OS PUMP (OS BYPASS) (JOCKEY SECTIONA TEST HEAD DETECTO PUMP BYPASS JOCKEY ALARM CI ALARM CI FDC	&Y) S&Y) (OS&Y) L (OS&Y) DER (OS&Y)  BROSE DR CHECK HECK	Accessible YES YES YES YES YES YES YES YES VIS  ACKFLOW/C MFG VIKING  MHU&F CO. U/S VIKING VIKING P&C	Signs YES YES YES YES YES YES YES WING TAYDEN TAYDEN 220A4	Open     YES     YES     YES     YES     YES     YES     N/C  YEINFORMA  SIZE     8"     8"     8"     8"     8"     4"	Secured     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     1929     1973     1975     1929     1929     1929	N/A N/A N/A N/A N/A N/A N/A LAST INSPI	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A  BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER BSMT BOILER	Operationa N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
3.  T  Qty 2 1 3 1 12 1 T No. 1. 2. 3. 4. 5. 6. 7. 8.	Type of MAIN (OS PUMP (OS BYPASS () JOCKEY SECTIONA TEST HEAD DETECTO PUMP BYPASS JOCKEY ALARM CI ALARM CI FDC FDC	&Y) S&Y) (OS&Y) L (OS&Y) DER (OS&Y) B RPOSE DR CHECK HECK HECK	Accessible YES YES YES YES YES YES YES YES YES VIKING WHU&F CO. U/S VIKING VIKING VIKING P&C P&C	Signs YES YES YES YES YES YES YES WING SWING TAYDEN TAYDEN 220A4 220A4	Open YES YES YES YES YES N/C  ZEINFORMA SIZE 8" 8" 8" 8" 4" 4"	Secured     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES     YES  TION     1929     1929     1929     1929     1929     1929	N/A N/A N/A N/A N/A N/A N/A LAST INSPI 2010 2010 2010 2010	YES YES YES YES YES YES YES YES	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A



ON / OFF PREMISES MONITORING							
YES	NO	TIME	COMMENTS				
X							
X							
X							
X							
N/A							
N/A							
	YES X X X X N/A	YES NO X X X X X N/A	YES NO TIME  X  X  X  X  X  N/A				

NOTIFICATIONS THAT TESTING IS COMPLETE					
TYPE	YES	WHO	TIME		
BUILDING OCCUPANTS	X	SECURITY	3:00PM		
BUILDING MANAGEMENT	X	PETE / DAVID KUFFNER	3:00PM		
MONITORING ENTITY	X	CAMPUS SECURITY	3:00PM		
2ND MONITORING ENTITY	X	SECURITY CORP			
AHJ (NOTIFIED) OF IMPAIRMENTS					

#### THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS INSPECTOR'S COMMENTS AND RECOMMENDATIONS

RISER PIPING IN BOILER RM IS HEAT TREATED AND INSULATED

SYSTEM HAS (2) WATER GONGS

(2) HEADS OBSTRUCTED BY HOOD IN RM 510 LAB

NUMEROUS HEADS OLDER THE 50 YEARS (VIKING 160º 1929 HEADS) ON GROUND FLOOR

(2) PAINTED HEADS IN RM G-27 RISER ROOM (OLD STYLE HEADS)

(1) UNDER DUCT IN GARAGE, HEAD APPEARS TO HAVE BEEN STRUCK AND HAS BENT DEFLECTOR AND MADE PIPE CROOKED

RISER BY PUMP IS INSULATED AND HEAT TRACED

SOUTH END GROUND FLOOR, HEADS IN HALLWAY ABOVE DROP CEILING

MANY HEADS ARE PIPED OFF OF ¾" PIPE GROUND FLOOR

VANGUARD 120 ALARM PANEL IN LOBBY ONLY GROUN + 5TH FLOOR SPRINKLER, THE REST IS STANDPIPE



		_			
SYSTEM RESTORED TO NORMAL OPERATION	DATE	9/14/	12	TIME	1:00PM
OTOTELIN REGIONED TO NORMAL OF ERATION	DATE	0/11/		· · · · · ·	1.001 W
NAME OF INSPECTOR	J. JOHNSTON	N			
INSPECTOR'S SIGNATURE					
INO. ESTON S SIGNATURE					
NAME OF PROPERTY OWNER/REPRESENTATIVE	DAVID KUFFI	NER			
SIGNATURE OF PROPERTY OWNER/REPRESENTATIVE					
Is system code compliant with occupancy & stored cor	mmodity?	Yes or No	YES		
Have the noted deficiencies/violations been corrected?		Yes or No	NO		
Have the deficiencies/violations been authorized for re		Yes or No	YES		
If no, please explain reason:	•	•	•		



Fax 616-245-7541 24-Hour Service 1-800-826-8577

Monthly	
Quarterly	
Semi-Annual	
Annual	Χ

	T			1	1		0144 0	
DATE:	9/14/12					rtindale Ave Sprinkle Rd.		d Rapids MI II
ARRIVAL TIME:	8:00AM			X 1633 S. Champagne Dr, Saginaw MI				
				1		eck Rd., Sui		
WORK ORDER NUMBER:	244887			<u> </u>	] 1050 Arb	or Tech Dr.	Suite F, He	ebron KY
SERVICE ORGANIZATION	N (CORPORA	ATE)		1	PROPERT	Y NAME		
Vanguard Fire & Security				]	Name: METROPOLITIAN CENTER 992			NTER 992
2101 Martindale Ave. SW					Address:	2727 SEC		
							7.10	
Grand Rapids, MI 49509				J	DETROIT,	MI 48202		
				1				
Technician:	J. JOHNS	STON / T. T	YLER		Owner Cor	er Contact: PETE / D KUFFI		CUFFNER
					Telephone	:	(313) 684-0	0870
Telephone:	800-444-8	3719			Approving	Agency:	DETROIT	FIRE DEPT.
NOTITIOATIONS			PRIOR TO AN		T.	14/110		
NOTIFICATIONS BUILDING OCCUPANTS		YES	PHONE N	IUMBER	WHO		TIME	
BUILDING MANAGEMENT		X	(313) 68	14-0870	SECURITY	/ID KUFFNER	<u> </u>	8:00AM
MONITORING ENTITY		X	(313) 00	14-0070	CAMPUS S		\	8:00AM
2ND MONITORING ENTITY		Λ	248-374	248-374-5705		CORP		8:00AM
AHJ (NOTIFIED) OF ANY IMI	PAIRMENTS		2.00	PSWD: MCH				0.007
		FIDE DUM	D. O. LOOKEY I	DUMP INFO	MATION			
		FIRE PUM	P & JOCKEY I FIRE PUM		RIMATION			
MANUFACTURER		AUROR		RATE GPM			1500	
MODEL		5x37		RATE PSI				
SERIAL NUMBER				PSI @ 150%	6			
TYPE		481		MAX PRES				
RATED RPM		1750		AUTO STAF	RT		125	
IMPELLER SIZE				SATISFIED	PSI		160	
HORSE POWER		100		<b>AUTO STOP</b>	)	YE		
WATER SUPPLY		CITY		RUN TIMER	2		7 MIN	
			FIDE DUME	DDIVED				
MANUEACTURER		MADATHA	FIRE PUMP	FRAME	404TS	DATED DOM	1	1775
MANUFACTURER MODEL	A1	MARATHO 04TSTD570		VOLTAGE	404TS 460	RATED RPN HZ	/I	1775 60
SERIAL NUMBER	40	A1-96616-1		AMP	122	HORSE PO	MER	100
TYPE		ELECTRI		PHASE	3	SERVICE FA		1.15
111 -		LLLUIN	<u> </u>	II HAGE	J	JOLINVIOL FA	10101	1.10



	FIRE PUMP	CONTROL				
MANUFACTURER	CLARK	HORSE POWER RATING	÷		100	
MODEL	B10630	VOLTAGE			460	
SERIAL NUMBER	399447-1-1	AMP RMS		2	2,000	
	JOCKEY P	UMP DATA				
MANUFACTURER	PROCON	INLET/OUTLET SIZE			3/8	
MODEL		START PRESSURE (ON)	)		130	
SERIAL NUMBER		STOP PRESSURE (OFF)			155	
HORSE POWER	1/3	VOLTAGE		115		
	REMOTE ALAF	RMS PROVIDED				
DISPLAYED AT	SIMPLEX PANEL	PHASE REVERSAL		,	YES	
PUMP RUNNING	YES	PUMP ROOM LOW TEMP		N/A		
AC LOSS OF POWER	YES	LOW DIESEL FUEL			N/A	
	_					
	FIRE PUMP T	EST REPORT				
Inspection of Pump			YES	NO	N/A	
System found in service?			X			
2. Fire pump controller in automatic service?	)		X			
Jockey pump controller in service on auto			X			
4. Is alarm panel clear?	•		X			
5. Is pump room secure?			X			
6. Heat, light and ventilation ok?			X			
7. Is pump room clean, dry and orderly?			X			
8. Ventilating louvers free to operate?			,,		Х	
Suction, discharge and bypass valves open	en?		Χ			
10. Piping, valves and fittings free from leaks			X			
11. Main relief valve functions ok?			X			
Electronic Pump Inspection			YES	NO	N/A	
Isolation switch and circuit breaker exercise	sed?		X			
Diesel Pump Inspection			YES	NO	N/A	
Fuel tank at least two-thirds full?					X	
Controller selector switch in auto position	?				X	
3. Battery voltage and reading normal?					X	
4. Battery charging current reading normal?					X	
5. Battery terminal free from corrosion?					X	
6. Battery acid level ok?					X	
7. All alarm indicators off?					X	
8. Oil levels normal?					X	
Crankcase breather cleaned and ok?					X	
10. Water strainer cleaned?					X	
11. Wire chafing inspected?					X	
12. Pressure recorder reset and graph pape	r present?				X	
13. Engine coolant level normal?	1				X	
14. Does Heat Exchanger Solenoid function	properly?				X	



				YES	NO	N/A
1. Valves in proper position and in good condit	ion?			X	110	
2. Are all valves listed for application?				Χ		
3. Valves locked, sealed or supervised?				Χ		
4. Are all valves tagged and identified?				Χ		
5. Jockey pump operational?				Χ		
6. Packing glands appear properly adjusted?				Χ		
7. Bi-monthly test records available?				Χ		
8. Were automatic starts performed?				Χ		
9. Were manual starts performed?				Χ		
10. Did automatic and manual starts and stops	s function pr	operly?		Χ		
11. Remote alarm conditions demonstrated?		. ,		Χ		
12. Are drains operational and ok?				Χ		
13. Does fire pump shaft and coupling appear		Χ				
14. Does jockey pump appear to be aligned ok	Χ					
15. Does fire pump have casing relief valve and	Χ					
16. Is test header in good condition and draine		,		Χ		
17. Supplying tank or reservoir appears to be in		condition?				X
18. Tank water level ok?						Χ
19. At completion, was pump returned to auton	natic operation	on and all valves normal	?	Χ		
20. Site personnel were offered instruction in p				Χ		
21. Sensing lines for jockey and fire pump sepa	arate?	•			X	
22. Power transfer switch tested and ok?						X
	FLO\	W INSPECTION REPOR	RT			
Fire Pump Flow Test Report		CHURN	100%	FLOW	150%	6 FLOW
RPM During Test		1795	17	53		
Voltage During Test		490 490 495	490 49	0 487		
			490 490 487			
Amperage During Test		55 57 55	120 11	8 119		
Amperage During Test		55 57 55	120 11	8 119		
		55 57 55	120 11	8 119		
Amperage During Test  RATED NET HEAD SUCTION PRESSURE	F	55 57 55 62	120 11			
RATED NET HEAD SUCTION PRESSURE				4		
RATED NET HEAD	E	62	1	4		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE	E	62 170	1 9	4		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE NET HEAD	1500	62 170	1 9	4		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE NET HEAD	1500	62 170	1 9	4 9 5		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE NET HEAD RATED GPM DUTLET A PITOT	1500	62 170 108	1 9 8	4 9 5 5 60		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM DUTLET A PITOT DUTLET B PITOT	1500	62 170 108	1 9 8	4 9 5 5 60		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM DUTLET A PITOT DUTLET B PITOT DUTLET C PITOT	1500	62 170 108 NA NA	1 9 8	4 9 5 5 60		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT OUTLET D PITOT	1500	62 170 108 NA NA NA	1 9 8	4 9 5 5 60		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT OUTLET D PITOT OUTLET B PITOT	1500	62 170 108 NA NA NA NA	1 9 8 75	4 9 5 5 60		
RATED NET HEAD SUCTION PRESSURE DISCHARGE PRESSURE  NET HEAD  RATED GPM OUTLET A PITOT OUTLET B PITOT OUTLET C PITOT OUTLET D PITOT	1500	62 170 108 NA NA NA NA NA	1 9 8 75 75	4 9 5 5 60		



		1		Y INSPECTION			
TYPE		V	ISUAL	FUNCTION	DNAL	COMMENTS	
BATTERY CONDITION			N/A				
/OLTAGE							
BATTERY SIZE							
CHARGER VOLTAGE							
	EMERGEN	ICY COMM	UNICATION E	QUIPMENT:ON	OFF MONITOR	ING	
TYPE	YES	NO	TIME			MMENTS	
ALARM SIGNAL	Х						
ALARM RESTORAL	X						
FROUBLE SIGNAL	X						
TROUBLE RESTORAL	X						
SUPERVISORY SIGNAL	X						
SUPERVISORY RESTORAL	X						
		1	TIONS THAT 1	ESTING IS CO	MPLETE		
TYPE		YES		WHO			TIME
BUILDING OCCUPANTS		X	SECURITY				:00PM
BUILDING MANAGEMENT		X	DAVID KUFF				:00PM
MONITORING ENTITY		X	CAMPUS SE			1	:00PM
ND MONITORING ENTITY	DMENTO		SECURITY C				
AHJ (NOTIFIED) OF ANY IMPAI	RMENTS		PSWD: MCH	1			
THIS TESTI	NG WAS D	EDEODME	D IN ACCORD	ANCE WITH A	DI ICABI E NED	'A STANDARDS	
SENSING LINES NOT SEPARATE	ISPECT	UK 3 CC	DIVIDICIN I S	AND RECU	MMENDATI	UNS	
NOT ABLE TO ACHIEVE 150% DUE		HY PRESSU	JRE				
AIR RELIEF ON CASING NEEDS RI	EPLACED						
CONTROLLER BREAKER DISCON	NECT HAND	LE IS BROK	EN AND NEEDS	REPLACED			
POWER BULB ON PUMP CONTRO	LLER IS INC	PERATIVE .	AND NEEDS TO	BE REPLACED			
SYSTEM RESTORED TO NORMAL OPERATION						4.00014	
SYSTEM RESTORED TO NORM	VIAL OPER	ATION		DATE	9/14/12	TIME	1:00PM
	MAL OPER	ATION		J. JOHNSTON		ĮTIME	1:00PW
NAME OF INSPECTOR	WAL OPER	ATION				TIME	1:00PM
NAME OF INSPECTOR		ATION		J. JOHNSTON	ı	TIME	1:00PM
SYSTEM RESTORED TO NORM  NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN		ATION			ı	TIME	1:00PM
NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESEN	NTATIVE		TIVE	J. JOHNSTON	ı	TIME	1:00PM
NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENT  SIGNATURE OF PROPERTY OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE COMPLIANT WAS SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF PROPERTY OF SIGNATURE OF SIGNATURE OF SIGNATURE OF PROPERTY OF SIGNATURE O	NTATIVE WNER/REF	PRESENTA	ored commo	J. JOHNSTON	NER Yes	or No YES	1:00PM
NAME OF INSPECTOR  NSPECTOR'S SIGNATURE  NAME OF OWNER/ REPRESENT  SIGNATURE OF PROPERTY OF SIGNATURE OF SIG	NTATIVE WNER/REF	PRESENTA ancy & st s been co	ored commo	J. JOHNSTON  DAVID KUFFI  dity?	NER Yes	or No YES or No NO	1:00PM
NAME OF INSPECTOR	NTATIVE WNER/REF	PRESENTA ancy & st s been co	ored commo	J. JOHNSTON  DAVID KUFFI  dity?	NER Yes	or No YES	1:00PM