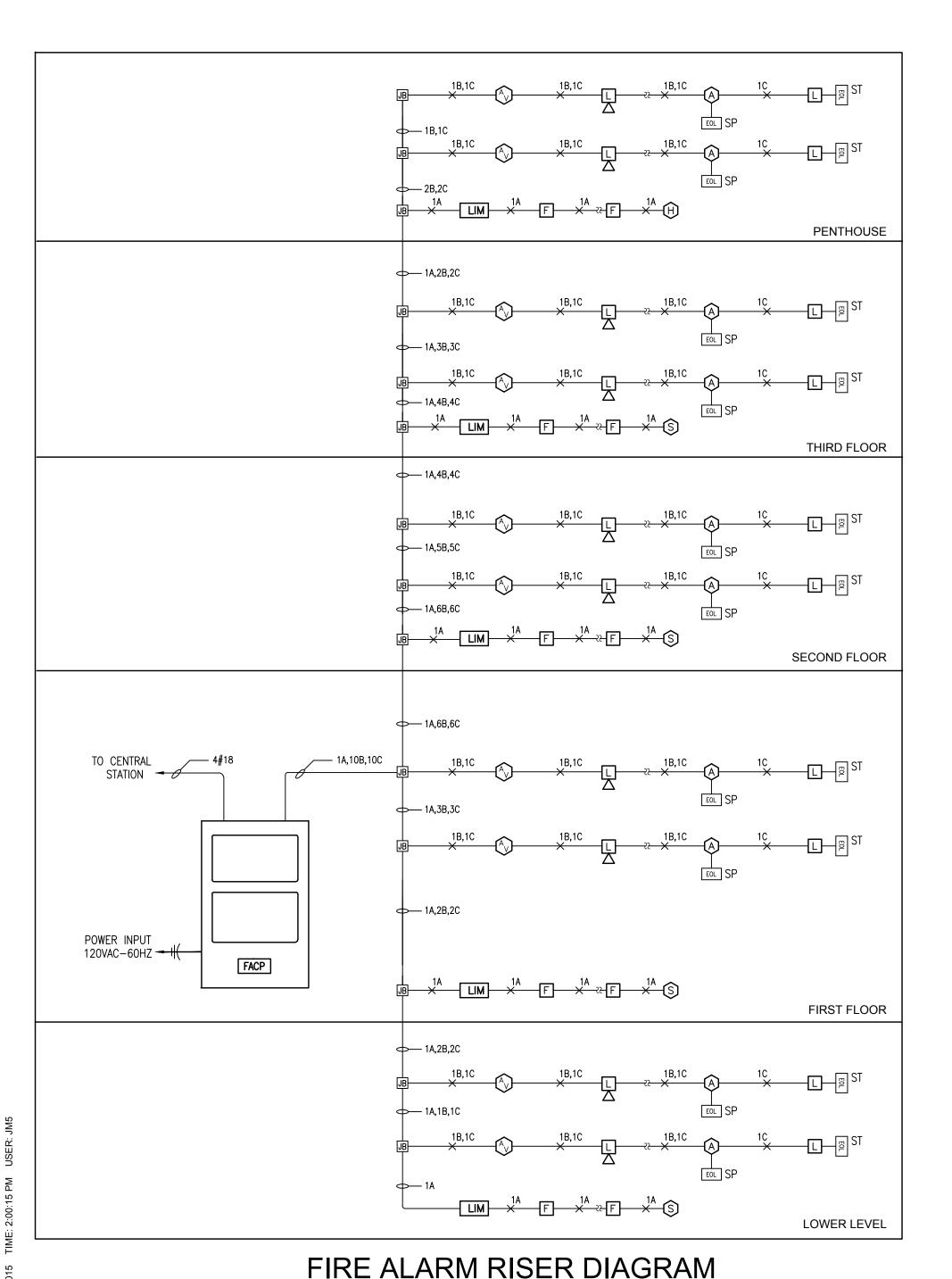
Wayne State University Cohn Building Fire Alarm

5557 Cass Ave Detroit, Michigan WSU Project #048-251652

> Issued For Bids February 24, 2015 FTC&H Project Number G140757



FIRE ALARM SYMBOL LEGEND			
SYMBOL	DESCRIPTION	REMARKS	
F	MANUAL PULL STATION	NOTE 1; MOUNT AT 46" AFF TO CENTER, UNO	
\bigoplus	HEAT DETECTOR, CEILING MOUNTED	NOTE 1	
Š S	HEAT DETECTOR, WALL MOUNTED	NOTE 1	
(\$)	SMOKE DETECTOR, CEILING MOUNTED	NOTE 1	
(Ŝ)	SMOKE DETECTOR, WALL MOUNTED	NOTE 1	
Ó	DUCT-TYPE SMOKE DETECTOR	NOTE 1	
(S) (S) EL	ELEVATOR SMOKE DETECTOR	NOTE 1	
	REMOTE TEST STATION	NOTE 1; MOUNT AT 48" AFF	
(A)	AUDIO DEVICE, CEILING MOUNTED	NOTE 1	
$\overset{\textcircled{\lozenge}}{\bowtie}$	AUDIO DEVICE, WALL MOUNTED	NOTE 1; MOUNT AT 80" AFF, UNO	
	VISUAL DEVICE, CEILING MOUNTED	NOTES 1,3	
Ě	VISUAL DEVICE, WALL MOUNTED	NOTES 1,3; MOUNT AT 80" AFF, UNO	
	COMBINATION AUDIO/VISUAL DEVICE, CEILING MOUNTED	NOTES 1,3	
	COMBINATION AUDIO/VISUAL DEVICE, WALL MOUNTED	NOTES 1,3; MOUNT AT 80" AFF, UNO	
₿	FIRE ALARM BELL		
ſĈ _M	CONTROL MODULE		
	MONITOR MODULE		
LIM	LINE ISOLATION MONITOR	NOT SHOWN ON PLANS	
UNO	UNLESS NOTED OTHERWISE		
NOTES			
. BACKBOX A	AS RECOMMENDED BY FIRE ALARM SYSTEM M	ANUFACTURER.	
. NOT USED.			
AS REQUIR	ANDELA RATING TO MEET NFPA COVERAGE RE ED TO ACCOMMODATE THE STROBES, WITH 29 OF ALL 120 VOLT POWER.		

SYM.	DESCRIPTION	AWG
Α	ADDRESSABLE DETECTION CIRCUIT (TWISTED PAIR)	18
В	SPEAKER CIRCUIT (TWISTED PAIR)	14
С	STROBE CIRCUIT (TWISTED PAIR)	14

Voice Communication Fire Alarm and Evacuation System Sequence of Operation WAYNE STATE UNIVERSITY Detroit, Michigan A) Normal Standby Operation: 1. The green power indicator is lit on the Main Fire Control Panel. 1. Upon receipt of a supervisory signal from any 2. All alarm (red) and trouble (yellow) indicators shall be off. TRI supervisory input, such as activation of any duct smoke detector shall: 3. The message on the Liquid Crystal Display (LCD) shall indicate "System Normal". a. Supervisory condition displayed on the FACP LCD. b. Supervisory LED (yellow) to light on the FACP B) Alarm Conditions: c. FACP buzzer to sound. d. Log the supervisory condition into the system history buffer. 1. Activation of any alarm causing device (pull station, smoke detector, TRI alarm input, will cause the following action: e. Signal sent to a Central Station indicating a Supervisory on system. a. Activation of all visual devices. b. Activation of all audible devices. c. Alarm reporting device(s). address displayed on the Main FCP LCD. 1. Activation of the reset button shall cause the outputs of all devices to return to their normal conditions. If any condition d. Alarm and audible red LED to light on the FACP still exists, or reoccurs, the system shall revert to its e. Log the alarm condition into the system history buffer. predetermined sequence of operation. f. Signal sent to a Central Station indicating an Alarm on system. 2. Upon activation of a successful system reset, the system shall LED's and silence any audible alarms. 2. Air Handlers will shutdown on activation of a duct smoke detector. 3. Log the alarm, trouble, supervisory, or monitor 3. Elevator capture shall occur upon activation of a smoke detector at restoration in the system history buffer. the elevator lobby or elevator machine room. 1. Upon loss of primary power to the control panel, the system shall: 1. Upon receipt of any trouble condition, including: opens, shorts, ground faults, communication errors, wiring a. Cause the green "power" LED on the FACP to flash. disarrangement, or TRI trouble input, the system shall: b. Cause a trouble condition as outlined in item "C" (trouble in). c. Transfer the power draw to the back up batteries. a. Trouble condition displayed on the FACP LCD. 2. Upon restoration of primary power to the control panel, b. The Trouble LED (yellow) to light on the FACP. after a 60 second delay, the system shall: c. Log the trouble condition into the system history buffer. a. Cause the green "power" LED to remain steady on. d. Signal sent to a Central Station indicating a Trouble on system. b. Cause a trouble condition as outlined in item "C" (trouble out).



Fishbeck, Thompson, Carr & Huber, Inc.

Engineers • Scientists • Architects • Constructors 39500 MacKenzie Drive, Suite 100, Novi, Michigan 48377 (800) 456-3824 www.ftch.com

GENERAL

G101 TITLE SHEET

DEMOLITION

D100 LOWER LEVEL FIRE ALARM DEMOLITION PLAN D102 SECOND FLOOR FIRE ALARM DEMOLITION PLAN D103 THIRD FLOOR FIRE ALARM DEMOLITION PLAN

D104 PENTHOUSE FIRE ALARM DEMOLITION PLAN

ELECTRICAL

FIRST FLOOR FIRE ALARM PLAN SECOND FLOOR FIRE ALARM PLAN E103 THIRD FLOOR FIRE ALARM PLAN E104 PENTHOUSE FIRE ALARM PLAN

SCOPE OF WORK

- 6. OBTAIN AN ACCEPTANCE LETTER FROM THE STATE FIRE MARSHALL.
- 7. ALL FIRE ALARM EQUIPMENT AND COMPONENTS THAT ARE REMOVED DURING DEMOLITION SHALL BE COLLECTED, STORED AND DELIVERED TO A LOCATION ON THE CAMPUS AS DIRECTED BY THE OWNER.
- 8. COMPLETELY REMOVE THE EXISTING SYSTEM, AFTER THE NEW FIRE ALARM SYSTEM IS COMPLETELY
- 9. REPAIR ALL WALLS, CEILINGS, FLOORS, ETC. THAT ARE IMPACTED BY THE CONSTRUCTION.
- 10. PROVIDE AS-BUILT DRAWINGS AND CLOSE OUT DOCUMENTATION, AS SPECIFIED.

11. THE STATE BFS NUMBER FOR THIS PROJECT IS #136988.

GENERAL NOTES

- RISER IS FOR DESIGN INTENT. REFER TO THE FLOOR PLANS FOR ACTUAL DEVICE TYPES AND QUANTITIES. 2. DETECTOR AND AUDIBLE CIRCUIT POLARITY SHALL BE
- AUDIBLE/VISUAL CIRCUIT WIRING IS SUPERVISED. NO
- PARALLEL BRANCHING IS PERMISSIBLE. 4. EXACT LOCATION OF CONDUITS SHALL BE DETERMINED IN
- 5. INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE
- NATIONAL ELECTRIC CODE, LOCAL CODE(S), AND/OR AUTHORITY HAVING JURISDICTION. 6. PROVIDE ALL INSTALLATION MATERIALS (I.E. CONDUIT, WIRE,
- FITTINGS, HANGERS, FIRESTOPPING, ETC.)
- 7. DETECTORS SHALL NOT BE MOUNTED IN DIRECT AIR STREAM OF AIR SUPPLY OUTLETS (MINIMUM DISTANCE OF 4').
- WIRING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SHOP DRAWINGS WITH RESPECT TO CONDUCTOR SIZE, TYPE, AND QUANTITY. CONDUCTORS SHALL BE PERMANENTLY MARKED FOR FUTURE IDENTIFICATION.
- 9. INSTALLING CONTRACTOR SHALL RETURN ONE SET OF ACCURATELY MARKED DRAWINGS FOR "AS BUILT" PURPOSES.
- 10. ALL DEVICES ARE TO BE LABELED ON DETECTOR SIDES, MANUAL STATION TOPS, DUCT DETECTOR FRONTS. LABELING IS TO BE DONE BY A P-TOUCH UNIT OR EQUIVALENT AND SHALL BE 1" LETTERING.

trceh

engineers

scientists

architects

constructors

hbeck, thompson, carr & huber, inc.

www.ftch.com

Designer JAM Reviewer Manager JAM Hard copy is intended to be

30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size. FTC&H PROJECT NO.

All Rights Reserved

©Copyright 2015

GENERAL ABBREVIATIONS

CONT. CONTINUOUS

DIA. DIAMETER

AFF	ABOVE FINISH FLOOR	DN.	DOWN
AHU	AIR HANDLING UNIT	DS.	DOWNSPOUT
AL.	ALUMINUM	EF	EXHAUST FAN
ALT.	ALTERNATE	EL.	ELEVATION
BF	BARRIER FREE	EJ	EXPANSION JOINT
BRG.	BEARING	EQ.	EQUAL
CJ	CONTROL JOINT	EWC	ELECTRIC WATER COOLER
CL.	CENTERLINE	FD	FLOOR DRAIN
CLG.	CEILING	FRT	FIRE RETARDANT TREATED
СМИ	CONCRETE MASONRY UNIT	FT.	FOOT/FEET
co.	CLEANOUT	GA.	GAUGE/GAGE
CONC.	CONCRETE	GALV.	GALVANIZED
CONST.	CONSTRUCTION	GC	GENERAL CONTRACTOR

HB HOSE BIBB

HP HIGH POINT MEZZ. MEZZANINE HORIZ. HORIZONTAL MIN. MINIMUM HVAC HEATING VENTILATING AIR CONDITIONING MTD. MOUNTED ID INSIDE DIAMETER N/A NOT APPLICABLE INVERT ELEVATION NC NOISE CRITERIA INCH/INCHES NO. NUMBER INSUL. INSULATION LAV. LAVATORY NTS NOT TO SCALE LED LIGHT EMITTING DIODE LLH LONG LEG HORIZONTAL OC ON CENTER LLV LONG LEG VERTICAL

LP LOW POINT

MAX. MAXIMUM

MFR. MANUFACTURER

MO MASONRY OPENING NIC NOT IN CONTRACT NRC NOISE REDUCTION COEFFICIENT OUTSIDE DIAMETER OH. OVERHEAD

ORD OVERFLOW ROOF DRAIN

OPP. OPPOSITE

GENERAL ABBREVIATIONS PERP. PERPENDICULAR PL. PLATE PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PVC POLYVINYL CHLORIDE R RADIUS REQD. REQUIRED RD ROOF DRAIN RO ROUGH OPENING SCH. SCHEDULE SF SQUARE FOOT

SIM. SIMILAR

SQ. SQUARE

SP. SPACE/SPACING

SS STAINLESS STEEL

SECTION CUT LINE TANGENT UNDERWRITER'S LABORATORY UNO UNLESS NOTED OTHERWISE VERT. VERTICAL VTR VENT THROUGH ROOF W/ WITH WC WATER CLOSET WH WATER HEATER W/O WITHOUT

WT. WEIGHT

NORTH ARROW DESIGNATION WP. WEATHERPROOF ROOM NAME AND NUMBER

DOOR NUMBER

DETAIL DESIGNATION

GRAPHIC SYMBOLS

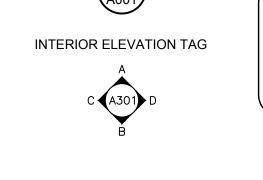
NORTH

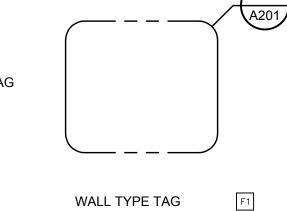
PLAN DESIGNATION FLOOR PLAN SCALE: 1/8" = 1'-0"

ELEVATION, SECTION AND



EXTERIOR ELEVATION TAG INTERIOR ELEVATION TAG





FINISH TAG

ENLARGED DETAIL FRAME

SIGNAGE TAG

ADDENDUM IDENTIFICATION SKETCH IDENTIFICATION **KEY NOTE TAG**

BARRIER FREE LOCATION **DEMOLITION NOTE TAG**

BULLETIN IDENTIFICATION

c. Transfer power draw back to primary power.

 $\langle 1 \rangle$

SEAL

G140757 SHEET NO. TITLE SHEET



 THESE DRAWINGS WERE DEVELOPED FROM THE OWNER'S LIMITED DRAWINGS AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOMMODATING MINOR DEVIATIONS THAT MAY BE EVIDENT OR MAY BE DISCOVERED DURING THE COURSE OF CONSTRUCTION.

2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO 6. AS THE PRIME CONTRACTOR, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING, ASSOCIATED WITH DEMOLITION IN BASE BID.

3. EXPOSED RACEWAYS, JUNCTION BOXES, AND DEVICES SHALL BE DISCONNECTED AND REMOVED. CONCEALED CONDUIT, JUNCTION BOXES, AND DEVICES MAY BE ABANDONED IN PLACE. ALL WIRING SHALL BE COMPLETELY REMOVED BACK TO ITS SOURCE. PROVIDE BLANK COVERS FOR ANY BOXES ABANDONED IN PLACE.

4. CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION WORK SUCH THAT FACILITY REMAINS FULLY PROTECTED THROUGHOUT CONSTRUCTION.

KEY NOTES

ALL FIRE ALARM DEVICES AND WIRING SHALL BE

DISCONNECTED AND REMOVED. ALL DEVICES/EQUIPMENT TO

CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL FIRE ALARM EQUIPMENT, DEVICES AND WIRING.

BE DEMOLISHED MAY NOT BE INDICATED. THE ELECTRICAL

PAINTING, ETC., AND COORDINATION WITH ALL THEIR

SUBCONTRACTORS.

 REMOVE EXISTING ELEVATOR RECALL SMOKE DETECTOR TO ACCOMMODATE ITS REPLACEMENT WITH A NEW SYSTEM SMOKE DETECTOR.

engineers scientists

architects constructors

shbeck, thompson, carr & huber, inc. www.ftch.com

Designer JAM

Reviewer

Manager JAM Hard copy is intended to be 30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

FTC&H PROJECT NO. G140757

SHEET NO. LOWER LEVEL FIRE ALARM DEMOLITION PLAN



 THESE DRAWINGS WERE DEVELOPED FROM THE OWNER'S LIMITED DRAWINGS AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOMMODATING MINOR DEVIATIONS THAT MAY BE EVIDENT OR MAY BE

DISCOVERED DURING THE COURSE OF CONSTRUCTION.

ALL FIRE ALARM DEVICES AND WIRING SHALL BE

ALL FIRE ALARM EQUIPMENT, DEVICES AND WIRING.

PAINTING, ETC., AND COORDINATION WITH ALL THEIR

SUBCONTRACTORS.

DISCONNECTED AND REMOVED. ALL DEVICES/EQUIPMENT TO

CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF

BE DEMOLISHED MAY NOT BE INDICATED. THE ELECTRICAL

2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO 6. AS THE PRIME CONTRACTOR, THE ELECTRICAL CONTRACTOR DETERMINE EXTENT OF WORK AND INCLUDE ALL COSTS SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING, ASSOCIATED WITH DEMOLITION IN BASE BID. BE DISCONNECTED AND REMOVED. CONCEALED CONDUIT,

3. EXPOSED RACEWAYS, JUNCTION BOXES, AND DEVICES SHALL JUNCTION BOXES, AND DEVICES MAY BE ABANDONED IN PLACE. ALL WIRING SHALL BE COMPLETELY REMOVED BACK TO ITS SOURCE. PROVIDE BLANK COVERS FOR ANY BOXES ABANDONED IN PLACE.

4. CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION WORK SUCH THAT FACILITY REMAINS FULLY PROTECTED THROUGHOUT CONSTRUCTION.

KEY NOTES

1. REMOVE EXISTING ELEVATOR RECALL SMOKE DETECTOR TO ACCOMMODATE ITS REPLACEMENT WITH A NEW SYSTEM SMOKE DETECTOR.

engineers scientists

architects constructors

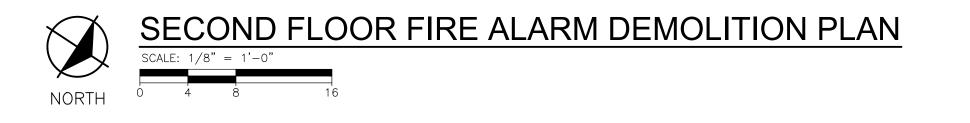
shbeck, thompson, carr & huber, inc. www.ftch.com

Designer JAM Reviewer Manager JAM

Hard copy is intended to be 30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

> FTC&H PROJECT NO. G140757

SHEET NO. FIRST FLOOR FIRE ALARM DEMOLITION PLAN



 THESE DRAWINGS WERE DEVELOPED FROM THE OWNER'S LIMITED DRAWINGS AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOMMODATING MINOR DEVIATIONS THAT MAY BE EVIDENT OR MAY BE DISCOVERED DURING THE COURSE OF CONSTRUCTION.

BE DEMOLISHED MAY NOT BE INDICATED. THÉ ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL FIRE ALARM EQUIPMENT, DEVICES AND WIRING. 2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO 6. AS THE PRIME CONTRACTOR, THE ELECTRICAL CONTRACTOR DETERMINE EXTENT OF WORK AND INCLUDE ALL COSTS SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, ETC., AND COORDINATION WITH ALL THEIR

ALL FIRE ALARM DEVICES AND WIRING SHALL BE

SUBCONTRACTORS.

DISCONNECTED AND REMOVED. ALL DEVICES/EQUIPMENT TO

ASSOCIATED WITH DEMOLITION IN BASE BID. 3. EXPOSED RACEWAYS, JUNCTION BOXES, AND DEVICES SHALL BE DISCONNECTED AND REMOVED. CONCEALED CONDUIT, JUNCTION BOXES, AND DEVICES MAY BE ABANDONED IN PLACE. ALL WIRING SHALL BE COMPLETELY REMOVED BACK TO ITS SOURCE. PROVIDE BLANK COVERS FOR ANY BOXES ABANDONED IN PLACE.

4. CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION WORK SUCH THAT FACILITY REMAINS FULLY PROTECTED THROUGHOUT CONSTRUCTION.

KEY NOTES

REMOVE EXISTING ELEVATOR RECALL SMOKE DETECTOR TO ACCOMMODATE ITS REPLACEMENT WITH A NEW SYSTEM SMOKE DETECTOR.

engineers scientists

architects constructors

shbeck, thompson, carr & huber, inc. www.ftch.com

Designer JAM

Reviewer

Manager JAM Hard copy is intended to be 30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

FTC&H PROJECT NO. G140757

SHEET NO. SECOND FLOOR FIRE ALARM DEMOLITION PLAN



 THESE DRAWINGS WERE DEVELOPED FROM THE OWNER'S LIMITED DRAWINGS AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOMMODATING MINOR DEVIATIONS THAT MAY BE EVIDENT OR MAY BE

DISCOVERED DURING THE COURSE OF CONSTRUCTION. 2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO 6. AS THE PRIME CONTRACTOR, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING, ASSOCIATED WITH DEMOLITION IN BASE BID.

3. EXPOSED RACEWAYS, JUNCTION BOXES, AND DEVICES SHALL BE DISCONNECTED AND REMOVED. CONCEALED CONDUIT, JUNCTION BOXES, AND DEVICES MAY BE ABANDONED IN PLACE. ALL WIRING SHALL BE COMPLETELY REMOVED BACK TO ITS SOURCE. PROVIDE BLANK COVERS FOR ANY BOXES ABANDONED IN PLACE.

4. CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION WORK SUCH THAT FACILITY REMAINS FULLY PROTECTED THROUGHOUT CONSTRUCTION.

KEY NOTES

ALL FIRE ALARM DEVICES AND WIRING SHALL BE

PAINTING, ETC., AND COORDINATION WITH ALL THEIR

SUBCONTRACTORS.

DISCONNECTED AND REMOVED. ALL DEVICES/EQUIPMENT TO

CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL FIRE ALARM EQUIPMENT, DEVICES AND WIRING.

BE DEMOLISHED MAY NOT BE INDICATED. THE ELECTRICAL

REMOVE EXISTING ELEVATOR RECALL SMOKE DETECTOR TO ACCOMMODATE ITS REPLACEMENT WITH A NEW SYSTEM SMOKE DETECTOR.

engineers scientists

architects constructors

shbeck, thompson, carr & huber, inc. www.ftch.com

Designer JAM

Reviewer

Manager JAM Hard copy is intended to be 30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

FTC&H PROJECT NO. G140757

SHEET NO. THIRD FLOOR FIRE ALARM

DEMOLITION PLAN



ALL FIRE ALARM DEVICES AND WIRING SHALL BE DISCONNECTED AND REMOVED. ALL DEVICES/EQUIPMENT TO BE DEMOLISHED MAY NOT BE INDICATED. THE ELECTRICAL 1. THESE DRAWINGS WERE DEVELOPED FROM THE OWNER'S LIMITED DRAWINGS AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACCOMMODATING MINOR DEVIATIONS THAT MAY BE EVIDENT OR MAY BE DISCOVERED DURING THE COURSE OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL FIRE ALARM EQUIPMENT, DEVICES AND WIRING.

SUBCONTRACTORS.

2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE EXTENT OF WORK AND INCLUDE ALL COSTS SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, ETC., AND COORDINATION WITH ALL THEIR

3. EXPOSED RACEWAYS, JUNCTION BOXES, AND DEVICES SHALL BE DISCONNECTED AND REMOVED. CONCEALED CONDUIT, JUNCTION BOXES, AND DEVICES MAY BE ABANDONED IN PLACE. ALL WIRING SHALL BE COMPLETELY REMOVED BACK
TO ITS SOURCE. PROVIDE BLANK COVERS FOR ANY BOXES
ABANDONED IN PLACE.

4. CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION WORK SUCH THAT FACILITY REMAINS FULLY PROTECTED THROUGHOUT CONSTRUCTION.

KEY NOTES

REMOVE EXISTING ELEVATOR RECALL SMOKE DETECTOR TO ACCOMMODATE ITS REPLACEMENT WITH A NEW SYSTEM SMOKE DETECTOR.

engineers scientists

architects constructors

ishbeck, thompson, carr & huber, inc. www.ftch.com

Designer JAM

Reviewer

Manager JAM Hard copy is intended to be 30"x42" when plotted. Scale(s) indicated and graphic quality may

not be accurate for any other size. FTC&H PROJECT NO.

G140757 SHEET NO.

PENTHOUSE FIRE ALARM

DEMOLITION PLAN

COHN ROOM	1 #'S, AREA	AND NAMES
ROOM #	SQUARE FT.	ROOM NAME
0010.00	1,714.07	Office - Staff
0010.10	170.73	Office - Staff
0010.20	115.73	Office - Staff
0010.30	126.08	Office - Staff
0010.40	116.88	Office - Staff
0010.50	116.88	Office - Staff
0010.60	179.90	Conference Room
0010.70	111.93	Office - Staff
0010.75	49.15	Unisex Toilet
0010.80	103.17	Office - Staff
0010.90	14.65	Office - Staff
0011.00	734.81	Research/Non-Class Laboratory
0011.10	80.94	Open Laboratory
0012.00	181.89	Men's Toilet
0013.00	894.50	Classroom - General Lecture
0013.10	12.46	Classroom Service - A/V Eqpt. Room
0014.00	42.78	Janitor's Closet
0015.00	867.80	Classroom - General Lecture
0015.10	12.44	Classroom Service
0016.00	172.36	Women's Toilet
0017.00	65.00	Elevator Machine Room
0018.00	569.08	Mechanical Area
0018.10	364.00	Electrical Room
0018.20	177.67	Electrical Room
0019.00	71.85	Elevator Machine Room
0020.00	153.75	Central Computer or Telecommunications
0021.00	1,931.97	Classroom - General Lecture
0022.00	63.33	Mechanical Area
0024.00	133.00	Network Controller Equipment
0025.00	128.44	Office Service - Storage
0027.00	77.08	Office Service - Storage
0028.00	965.99	Class laboratory
0029.00	14.58	Janitor's Closet

ROOM #	SQUARE FT.	ROOM NAME
0030.00	187.93	Class laboratory
0031.00	58.82	Unisex Toilet
0032.00	149.18	Office Service
0034.00	1,124.29	Class laboratory
0035.00	490.55	Lounge
0036.00	195.42	Office Service - Storage
0038.00	13.42	Office Service - Storage
0075.00	43.26	Circulation Area
0079.00	40.69	Circulation Area
0087.04	100.76	Mechanical Area
0087.06	108.25	Mechanical Area
0090.01	290.16	Circulation Area
0090.02	986.46	Circulation Area
0090.03	912.59	Circulation Area
0090.04	895.08	Circulation Area
0090.05	290.53	Circulation Area
0090.06	105.83	Circulation Area
0090.07	892.81	Circulation Area
0090.08	591.55	Circulation Area
0090.09	71.51	Circulation Area
0090.10	134.67	Circulation Area
0090.11	214.25	Circulation Area



NC	DTES
1.	FINISHED SURFACE MOUNTED RACEWAY SHALL BE USED IN FINISHED AREAS. PAINT RACEWAY TO MATCH ADJACENT FINISH. WHERE CONCEALED RACEWAYS ARE NOT POSSIBLE AND SURFACE RACEWAYS ARE REQUIRED, PROVIDE AND INSTALL RACEWAYS IN A MANNER TO FOLLOW EXISTING LINES WITHIN THE SPACE, IE CORNERS, EDGES, TRIM, STRUCTURAL MEMBER OR OTHER VERTICAL/HORIZONTAL FEATURES OF THE SPACE. FINISH OF RACEWAY SHALL CLOSELY MATCH THE SURFACE TO WHICH IT IS ATTACHED. PAINTING OF THE RACEWAY MAY BE REQUIRED. BEFORE INSTALLING SURFACE RACEWAYS, REVIEW AND COORDINATE

- FIRE ALARM CONDUIT THAT IS CONCEALED OR IN UNFINISHED SPACES SHALL BE RED.
- 3. REMOVE AND REINSTALL CEILING TILES AS REQUIRED TO ACCOMMODATE THE FIRE ALARM SYSTEM INSTALLATION.

EXACT ROUTING WITH OWNER'S PROJECT MANAGER.

4. PROVIDE NAC PANELS AS REQUIRED TO ACCOMMODATE THE NEW FIRE ALARM SYSTEM. UTILIZE 120 VOLT CIRCUITS SERVING THE EXISTING NAC PANELS. EXTEND CIRCUITS TO ACCOMMODATE THE NEW LOCATIONS AS REQUIRED.

⟨#⟩ KEY NOTES

NEW SYSTEM SMOKE DETECTOR TO SERVE THE ELEVATOR

2. CONTROL MODULES FOR ELEVATOR CONTROL FUNCTIONS.
PROVIDE A HEAT DETECTOR AND SHUNT TRIP BREAKER WITHIN
ELEVATOR MACHINE ROOMS FOR HOIST MACHINE POWER. HEAT
DETECTOR WILL TRANSMIT A SIGNAL TO THE ELEVATOR
CONTROLLER WHICH WILL THEN SEND THE CAB TO "CAPTURE
FLOOR". ONCE AT THE CAPTURE FLOOR, THE ELEVATOR
CONTROLLER WILL SEND A SIGNAL TO OPEN THE SHUNT TRIP
BREAKER AND INTERRUPT ELEVATOR CONTROLLER POWER
COMPLETELY. CAB LIGHTING TO REMAIN ON. FINAL CONNECTIONS
TO ELEVATOR CONTROLLER BY ELEVATOR CONTRACTOR.

ftceh

engineers scientists

constructors

architects

fishbeck, thompson, carr & huber, inc. www.ftch.com

Wayne State University

Detroit, Michigan

Drawn By JAM
Designer JAM
Reviewer RMM

Hard copy is intended to be 30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

not be accurate for any other size.

FTC&H PROJECT NO.

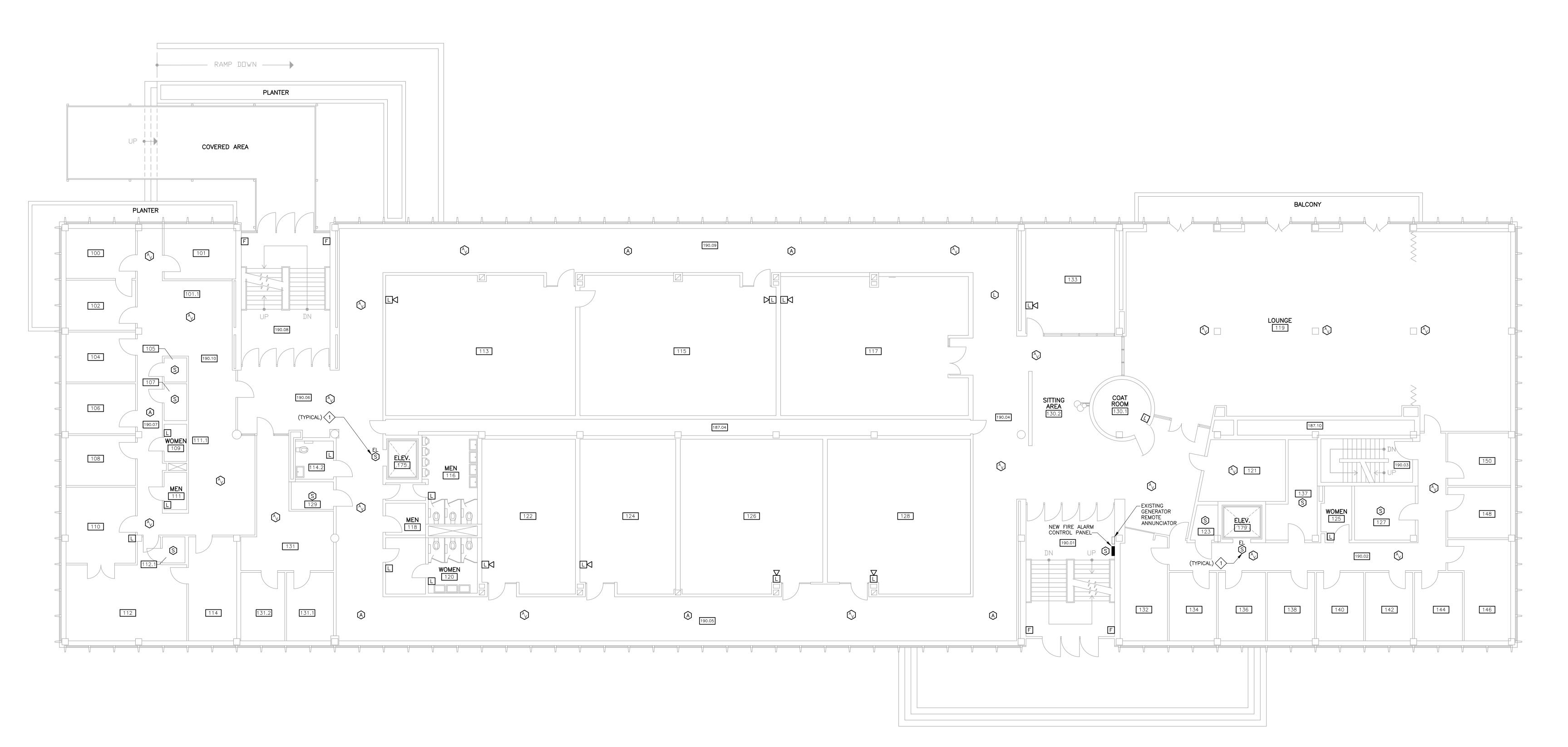
G140757

SHEET NO.
LOWER LEVEL FIRE

E100

WSU PROJECT # 048-251652 © Copyright 2015

All Rights Reserved



COHN RO	JM #'S, AREA	AND NAMES
ROOM #	SQUARE FT.	ROOM NAME
100	116.88	Office - Staff
101	121.79	Office - Staff
101.1	103.20	Office Service
102	116.88	Office - Staff
104	116.88	Office - Staff
105	18.40 Office Service - Supply Storage	
106	116.88 Office - Staff	
107	28.13	Office Service - Supply Storage
108	116.88	Office - Staff
109	28.47	Women's Toilet
110	177.44	Conference Room
111	28.47	Men's Toliet
111.1	103.97	Office - Secretarial/Clerical
112	330.36	Office - Faculty
112.1	19.97	Office Service
113	883.60	Office - Faculty
114	168.97	Office - Staff
114.2	49.00	Unisex Toilet
115	910.81	Class/Computer laboratory

COHN ROO	M #'S, AREA	AND NAMES
ROOM #	SQUARE FT.	ROOM NAME
116	182.67	Men's Toliet
117	850.19	Conference Room
118	42.78	Janitor's Closet
119	2,481.28	Meeting Room - Cohn Lounge
120	172.36	Women's Toilet
121	168.84	Meeting Room
122	473.01	Classroom - Seminar
123	28.58	Janitor's Closet
124	484.85	Classroom - General Purpose
125	56.19	Unisex Toilet
126	723.17	Classroom - General Purpose
127	110.74	Office Service - Storage
128	725.53	Classroom - General Purpose
129	39.07	Central Computer or Telecommunications
130	267.76	Circulation Area
130.1	89.51	Office Service - Coat Room
130.2	117.44	Seating Area
131	471.68	Office - Staff
132	171.27	Office - Faculty

	FIRST FLOOR FIRE ALARM PLAN
	SCALE: $1/8" = 1'-0"$
NORTH	0 4 8 16

COHN ROOM	1 #'S, AREA	AND NAMES
ROOM #	SQUARE FT.	ROOM NAME
133	314.59	Study Room
134	108.88	Office - Faculty
136	108.88	Storage
137	125.52	Coffee / Copy Room
138	108.88	Office - Faculty
140	108.88	Office - Faculty
142	108.88	Office - Faculty
144	110.59	Office - Faculty
146	175.45	Office - Faculty
148	107.09	Office - Faculty
150	111.07	Office - Faculty
175	43.26	Circulation Area
179	45.83	Circulation Area
187.04	312.31	Mechanical Area
187.1	104.67	Mechanical Area
190.01	393.47	Circulation Area
190.02	364.23	Circulation Area
190.03	134.67	Circulation Area
190.04	727.37	Circulation Area

NOTES	

- FINISHED SURFACE MOUNTED RACEWAY SHALL BE USED IN FINISHED AREAS. PAINT RACEWAY TO MATCH ADJACENT FINISH
- FIRE ALARM CONDUIT THAT IS CONCEALED OR IN UNFINISHED SPACES SHALL BE RED.

ACCOMMODATE THE NEW LOCATIONS AS REQUIRED.

- 3. REMOVE AND REINSTALL CEILING TILES AS REQUIRED TO ACCOMMODATE THE FIRE ALARM SYSTEM INSTALLATION.
- 4. PROVIDE NAC PANELS AS REQUIRED TO ACCOMMODATE THE NEW FIRE ALARM SYSTEM. UTILIZE 120 VOLT CIRCUITS SERVING THE EXISTING NAC PANELS. EXTEND CIRCUITS TO

COHN ROOM #'S, A	AREA	AND NAMES
ROOM # SQUARE F	- Т.	ROOM NAME
190.05	1,185.23	Circulation Area
190.06	724.76	Circulation Area
190.07	258.81	Circulation Area
190.08	394.48	Circulation Area
190.09	1,094.71	Circulation Area
190.1	336.78	Circulation Area
190.12	704.97	Circulation Area

⟨#⟩ KEY NOTES

NEW SYSTEM SMOKE DETECTOR TO SERVE THE ELEVATOR LOBBY.

ftceh

engineers scientists

architects constructors

fishbeck, thompson, carr & huber, inc.
www.ftch.com

Wayne State University

02/24/2015 |BIDS | Drawn By JAM

Designer JAM
Reviewer RMM
Manager JAM

Hard copy is intended to be 30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

FTC&H PROJECT NO.

G140757

FIRST FLOOR FIRE
ALARM PLAN

SHEET NO.

COHN ROOM	1 #'S, AREA	AND NAMES
ROOM #	SQUARE FT.	ROOM NAME
200	261.56	Conference Room
200.1	129.59	Office - Faculty
201	134.45	Research/Non-Class Laboratory
202	125.04	Conference Room
203.1	36.86	Office Service
204	124.90	Office - Faculty
205	29.11	Office Service - Storage
206	130.43	Office - Faculty
206.1	119.22	Office - Staff
208	136.82	Office Service
209	29.47	Women's Toilet
210	134.36	Office Service - Storage
211	29.47	Building Service Area
212	130.66	Office - Staff
212.2	49.00	Unisex Toilet
213	19.05	Office Service
214	182.67	Men's Toilet
215	251.15	Office Service - Server Room

42.78 Janitor's Closet

COHN ROOM	M #'S, AREA	AND NAMES
ROOM #	SQUARE FT.	ROOM NAME
217	678.93	Class laboratory
218	188.49	Women's Toilet
219	675.41	Class laboratory
220	488.93	Office Service - Storage
221	370.35	Class laboratory
221.1	92.74	Conference Room
221.11	52.00	Class laboratory Service
221.2	195.30	Class laboratory
221.3	176.15	Class laboratory Service
221.4	453.82	Class laboratory
222	82.65	Office - Staff
222.1	233.17	Class laboratory
222.2	119.56	Class laboratory
224	414.86	Class laboratory
224.1	182.99	Class laboratory Service
224.2	196.59	Class laboratory
224.3	176.15	Class laboratory Service /Server
224.4	502.83	Class laboratory
225	490 30	Office - Staff

S, AREA	AND NAMES		COHN ROOM	# /
RE FT.	ROOM NAME	F	R00M #	SQUA
678.93	Class laboratory	2	227	
188.49	Women's Toilet	2	228	
675.41	Class laboratory	2	229	
488.93	Office Service - Storage	2	230	
370.35	Class laboratory	2	230.1	
92.74	Conference Room	2	231	
52.00	Class laboratory Service	2	232	
195.30	Class laboratory	2	233	
176.15	Class laboratory Service	2	233.1	
453.82	Class laboratory	2	234	
82.65	Office - Staff	2	235	
233.17	Class laboratory	2	237	
119.56	Class laboratory	2	238	
414.86	Class laboratory	2	239	
182.99	Class laboratory Service	2	240	
196.59	Class laboratory	2	241	
176.15	Class laboratory Service /Server	2	242	
502.83	Class laboratory	2	244	
490.30	Office - Staff	2	245	

	JM #'S, AREA	
ROOM #	SQUARE FT.	ROOM NAME
227	54.37	Central Computer or Telecommunications
228	215.83	Conference Room
229	44.69	Unisex Toilet
230	254.07	Office - Faculty
230.1	3.12	Office Service
231	166.30	Copy Room
232	178.44	Office - Staff
233	138.86	Women's Toilet
233.1	27.92	Building Service Area
234	117.45	Office - Staff
235	38.65	Central Computer or Telecommunications
237	148.56	Office - Faculty
238	117.45	Office - Faculty
239	137.94	Office - Faculty
240	117.45	Office - Faculty
241	137.94	Office - Faculty
242	203.62	Office - Faculty
244	114.93	Office - Staff
245	330.50	Study Lounge

		<u>·</u>	
	ROOM #	SQUARE FT.	ROOM NA
ons	246	115.06	Office - Fa
	247	543.52	Office - Sta
	248	115.06	Office - Fa
	250	115.06	Office - Fa
	252	202.74	Office - Fa
	254	119.62	Office - Fa
	256	119.62	Office - Fa
	258	119.62	Office - Fa
	260	119.62	Office - Fa
	262	119.62	Office - Fa
ons	264	119.62	Office - Fa
	266	185.15	Office - Fa
	275	43.26	Circulation
	279	45.83	Circulation
	287.04	312.31	Mechanica
	287.06	44.45	Mechanica
	287.1	102.71	Mechanica
	290.01	389.32	Circulation
	290.02	1,227.39	Circulation

NOTES
1. FINISHED SURFACE MOUNTED RACEWAY SHALL BE USED IN FINISHED AREAS. PAINT RACEWAY TO MATCH ADJACENT FINISH. WHERE CONCEALED RACEWAYS ARE NOT POSSIBLE AND SURFACE RACEWAYS ARE REQUIRED, PROVIDE AND INSTALL RACEWAYS IN A MANNER TO FOLLOW EXISTING LINES WITHIN THE SPACE, IE CORNERS, EDGES, TRIM, STRUCTURAL MEMBER OR OTHER VERTICAL/HORIZONTAL FEATURES OF THE SPACE. FINISH OF RACEWAY SHALL CLOSELY MATCH THE SURFACE TO WHICH IT IS ATTACHED. PAINTING OF THE RACEWAY MAY BE REQUIRED. BEFORE INSTALLING SURFACE RACEWAYS, REVIEW AND COORDINATE EXACT ROUTING WITH OWNER'S PROJECT MANAGER.

^{2.} FIRE ALARM CONDUIT THAT IS CONCEALED OR IN UNFINISHED SPACES SHALL BE RED.

3. REMOVE AND REINSTALL CEILING TILES AS REQUIRED TO ACCOMMODATE THE FIRE ALARM SYSTEM INSTALLATION.

4. PROVIDE NAC PANELS AS REQUIRED TO ACCOMMODATE THE NEW FIRE ALARM SYSTEM. UTILIZE 120 VOLT CIRCUITS SERVING THE EXISTING NAC PANELS. EXTEND CIRCUITS TO ACCOMMODATE THE NEW LOCATIONS AS REQUIRED.

SECOND FLOOR FIRE ALA	RM PLAN
SCALE: $1/8" = 1'-0"$	
0 4 8 16	
DA II/O ADEA AND NAMEO	

COHN ROOM	1 #'S, AREA	AND NAMES
R□□M #	SQUARE FT.	ROOM NAME
246	115.06	Office - Faculty
247	543.52	Office - Staff
248	115.06	Office - Faculty
250	115.06	Office - Faculty
252	202.74	Office - Faculty
254	119.62	Office - Faculty
256	119.62	Office - Faculty
258	119.62	Office - Faculty
260	119.62	Office - Faculty
262	119.62	Office - Faculty
264	119.62	Office - Faculty
266	185.15	Office - Faculty
275	43.26	Circulation Area
279	45.83	Circulation Area
287.04	312.31	Mechanical Area
287.06	44.45	Mechanical Area
287.1	102.71	Mechanical Area
290.01	389.32	Circulation Area
290.02	1,227.39	Circulation Area

∜ KEY NOTES	8

1. NEW SYSTEM SMOKE DETECTOR TO SERVE THE ELEVATOR

COHN ROOM #'S, AREA AND NAMES

290.08

SQUARE FT. ROOM NAME

927.99 Circulation Area 894.26 Circulation Area 413.93 Circulation Area 391.68 Circulation Area 921.69 Circulation Area 766.83 Circulation Area

134.67 Circulation Area

engineers scientists

architects

constructors

shbeck, thompson, carr & huber, inc.

www.ftch.com

Designer JAM

Reviewer Manager JAM Hard copy is intended to be

30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

> G140757 SHEET NO.

FTC&H PROJECT NO.

SECOND FLOOR FIRE ALARM PLAN

WSU PROJECT # 048-251652 © Copyright 2015

All Rights Reserved

COHN ROOM	1 #'S, AREA	AND NAMES
ROOM #	SQUARE FT.	ROOM NAME
300	136.82	Office - Faculty
301	312.44	Conference Room
302	124.90	Office - Faculty
303	28.36	Office Service - Storage
304	124.90	Office - Faculty
305	208.80	Copy Room
305.1	48.85	Unisex Toilet
	41.00	Communications Closet
306	125.04	Office - Faculty
307	29.47	Unisex Toilet
308	124.75	Office - Faculty
309	29.47	Unisex Toilet
310	124.90	Office - Faculty
311	122.22	Office - Faculty
312	124.90	Office - Faculty
313	134.03	Office - Faculty
314	136.82	Office - Faculty
315	145.18	Office - Staff
316	168.18	Office Service - Storage
317	173.75	Office - Secretarial/Clerical

168.98 Office - Faculty

COHN ROOM	M #'S, AREA	AND NAMES
R□□M #	SQUARE FT.	ROOM NAME
319	286.08	Office - Faculty
320	168.98	Open Office
321	274.26	Office - Faculty
322	168.98	Research/Non-Class Laboratory
323	274.26	Conference Room
324	168.98	Research/Non-Class Laboratory
325	73.91	Circulation Area
325.1	135.73	Office - Staff
325.2	110.42	Office - Staff
325.3	111.46	Office - Faculty
326	168.18	Open Office
327	232.56	Lounge
328	726.09	Office Service - Storage
329	172.39	Copy Room
329.1	102.04	Office Service - Storage
330	722.82	Open Office
331.1	55.73	Men's Toilet
331.2	109.81	Women's Toilet
332	484.51	Open Office
333	308.58	Conference Room
334	473.57	Open Office

	THIRD FLOOR FIRE ALARM PLAN
NORTH	SCALE: 1/8" = 1'-0" 0 4 8 16

COHN ROOM	1 #'S, AREA	AND NAMES
R□□M #	SQUARE FT.	ROOM NAME
335	148.56	Office - Faculty
336	171.14	Women's Toilet
337	137.94	Office - Faculty
338	42.78	Janitor's Closet
339	137.94	Office - Faculty
340	181.89	Men's Toilet
341	148.56	Office - Faculty
342	57.26	Office Service - Storage
343	543.70	Conference Room
344	240.39	Office - Faculty
346	117.45	Office - Faculty
348	178.44	Office - Faculty
349	92.50	Office - Staff
350	117.45	Office - Faculty
351	284.09	Conference Room / Copy Room
352	117.45	Office - Faculty
353	41.57	Central Computer or Telecommunications
354	117.45	Office - Faculty
356	203.49	Office - Faculty
357	111.61	Office - Staff
358	114.93	Office - Faculty

COHN	R□□M #	'S, AREA	AND NAMES
ROOM #	SQU	ARE FT.	ROOM NAME
359		159.78	Office - Staff
360		115.06	Office - Faculty
362		115.06	Office - Faculty
364		115.06	Office - Faculty
366		202.74	Office - Faculty
368		119.62	Office - Faculty
370		119.62	Office - Faculty
372		119.62	Office - Faculty
374		119.62	Office - Faculty
375		43.26	Circulation Area
376		119.62	Office - Staff
379		45.83	Circulation Area
380		254.69	Office Service - Storage
382		271.21	Lounge
387.01		102.71	Mechanical Area
387.06		312.31	Mechanical Area
390.01		389.32	Circulation Area
390.02		750.45	Circulation Area
390.03		1,033.40	Circulation Area
390.04		858.77	Circulation Area
390.05		757.95	Circulation Area
	R□□M # 359 360 362 364 366 368 370 372 374 375 376 379 380 382 387.01 387.06 390.01 390.02 390.03 390.04	RDDM # SQU 359 360 362 364 366 368 370 372 374 375 376 379 380 382 387.01 387.06 390.01 390.02 390.03 390.04	359 159.78 360 115.06 362 115.06 364 115.06 366 202.74 368 119.62 370 119.62 372 119.62 374 119.62 375 43.26 376 119.62 379 45.83 380 254.69 382 271.21 387.01 102.71 387.06 312.31 390.01 389.32 390.02 750.45 390.03 1,033.40 390.04 858.77

359	159.78	Office - Staff
360	115.06	Office - Faculty
362	115.06	Office - Faculty
364	115.06	Office - Faculty
366	202.74	Office - Faculty
368	119.62	Office - Faculty
370	119.62	Office - Faculty
372	119.62	Office - Faculty
374	119.62	Office - Faculty
375	43.26	Circulation Area
376	119.62	Office - Staff
379	45.83	Circulation Area
380	254.69	Office Service - Storage
382	271.21	Lounge
387.01	102.71	Mechanical Area
387.06	312.31	Mechanical Area
390.01	389.32	Circulation Area
390.02	750.45	Circulation Area
390.03	1,033.40	Circulation Area
390.04	858.77	Circulation Area

#	KEY	NOTES	
			_

COHN ROOM #'S, AREA AND NAMES

390.08

390.09

SQUARE FT. ROOM NAME

389.64 Circulation Area 479.07 Circulation Area

806.37 Circulation Area 134.67 Circulation Area

42.75 Office Service

1. NEW SYSTEM SMOKE DETECTOR TO SERVE THE ELEVATOR

NOTES

1. FINISHED SURFACE MOUNTED RACEWAY SHALL BE USED IN FINISHED AREAS. PAINT RACEWAY TO MATCH ADJACENT FINISH. WHERE CONCEALED RACEWAYS ARE NOT POSSIBLE AND SURFACE RACEWAYS ARE REQUIRED, PROVIDE AND INSTALL RACEWAYS IN A MANNER TO FOLLOW EXISTING LINES WITHIN THE SPACE, IE CORNERS, EDGES, TRIM, STRUCTURAL MEMBER OR OTHER VERTICAL/HORIZONTAL FEATURES OF THE SPACE. FINISH OF RACEWAY SHALL CLOSELY MATCH THE SURFACE TO WHICH IT IS ATTACHED.
PAINTING OF THE RACEWAY MAY BE REQUIRED. BEFORE
INSTALLING SURFACE RACEWAYS, REVIEW AND COORDINATE EXACT ROUTING WITH OWNER'S PROJECT MANAGER.

FIRE ALARM CONDUIT THAT IS CONCEALED OR IN UNFINISHED SPACES SHALL BE RED.

3. REMOVE AND REINSTALL CEILING TILES AS REQUIRED TO ACCOMMODATE THE FIRE ALARM SYSTEM INSTALLATION.

4. PROVIDE NAC PANELS AS REQUIRED TO ACCOMMODATE THE NEW FIRE ALARM SYSTEM. UTILIZE 120 VOLT CIRCUITS SERVING THE EXISTING NAC PANELS. EXTEND CIRCUITS TO ACCOMMODATE THE NEW LOCATIONS AS REQUIRED.

engineers scientists

architects constructors

shbeck, thompson, carr & huber, inc. www.ftch.com

Designer JAM

Reviewer Manager JAM Hard copy is intended to be

30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

FTC&H PROJECT NO. G140757

SHEET NO. THIRD FLOOR FIRE ALARM PLAN

WSU PROJECT # 048-251652 © Copyright 2015

All Rights Reserved



COHN RI	OOM #'S, AREA	A AND NAMES
ROOM #	SQUARE FT.	ROOM NAME
00401.00	1,048.05	Mechanical Area
00402.00	1,171.1	Mechanical Area
00403.00	2,805.53	Mechanical Area
00403.10	87.1	1 Office Service
00403.20	33.8	1 Office Service
00475.00	43.26	Circulation Area
00487.01	9.00	Mechanical Area
00490.01	146.24	Circulation Area
<u> </u>		

1. FINISHED SURFACE MOUNTED RACEWAY SHALL BE USED IN FINISHED AREAS. PAINT RACEWAY TO MATCH ADJACENT FINISH. WHERE CONCEALED RACEWAYS ARE NOT POSSIBLE AND SURFACE RACEWAYS ARE REQUIRED, PROVIDE AND INSTALL RACEWAYS IN A MANNER TO FOLLOW EXISTING LINES WITHIN THE SPACE, IE CORNERS, EDGES, TRIM, STRUCTURAL MEMBER OR OTHER VERTICAL/HORIZONTAL FEATURES OF THE SPACE. FINISH OF RACEWAY SHALL CLOSELY MATCH THE SURFACE TO WHICH IT IS ATTACHED. PAINTING OF THE RACEWAY MAY BE REQUIRED. BEFORE INSTALLING SURFACE RACEWAYS, REVIEW AND COORDINATE EXACT ROUTING WITH OWNER'S PROJECT MANAGER.

 FIRE ALARM CONDUIT THAT IS CONCEALED OR IN UNFINISHED SPACES SHALL BE RED.

3. REMOVE AND REINSTALL CEILING TILES AS REQUIRED TO ACCOMMODATE THE FIRE ALARM SYSTEM INSTALLATION.

4. PROVIDE NAC PANELS AS REQUIRED TO ACCOMMODATE THE NEW FIRE ALARM SYSTEM. UTILIZE 120 VOLT CIRCUITS SERVING THE EXISTING NAC PANELS. EXTEND CIRCUITS TO ACCOMMODATE THE NEW LOCATIONS AS REQUIRED.

⟨#⟩ KEY NOTES

- NEW SYSTEM SMOKE DETECTOR TO SERVE THE ELEVATOR
- 2. REMOTE TEST STATIONS FOR SUPPLY AND RETURN DUCT DETECTORS FOR AHU-1,2,3.
- 3. NEW DUCT DETECTOR AND CONTROL MODULE TO SHUT DOWN AIR HANDLING UNIT. MONITOR MODULE SHALL PROVIDE TROUBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL

ftceh

engineers scientists

architects constructors

fishbeck, thompson, carr & huber, inc. www.ftch.com

ayne State University

02/24/2015 BIDS

Drawn By JA

Designer JAM
Reviewer RMM
Manager JAM

Hard copy is intended to be 30"x42" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

FTC&H PROJECT NO.
G140757

SHEET NO.

PENTHOUSE FIRE ALARM PLAN