

WAYNE STATE UNIVERSITY
ART ROOMS 250 & 254 RENOVATION
150 ART BUILDING DETROIT, MI 48202
WSU PROJECT NUMBER: 040-284897

PROJECT TEAM:

ARCHITECTURAL & MEP
NORR LLC, Architects Engineers Planners
150 W. Jefferson Avenue, Suite 1300
Detroit, MI 48226
(313) 324-3136
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[illegible]

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Keyplan

[illegible]

General

A0-01 COVER, SHEET INDEX AND SYMBOLS

Architectural

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A1-01	LIFE SAFETY PLAN AND DEMOLITION PLAN
A2-01	FLOOR PLAN AND REFLECTED CEILING PLAN
A2-10	ROOF PLAN AND DETAILS
A4-01	INTERIOR ELEVATIONS, SECTIONS, DOOR SCHEDULE

Mechanical & Plumbing

				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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M2-01	MECHANICAL FLOOR PLAN
M2-02	MECHANICAL ROOF PLAN
M2-03	MECHANICAL SCHEDULES AND DETAILS

Electrical

E0-01	ELECTRICAL LEGEND, ONE-LINE DIAGRAM, AND SCHEDULES
E1-01	FLOOR PLAN
E2-01	FLOOR PLAN - POWER

PROJECT DESCRIPTION

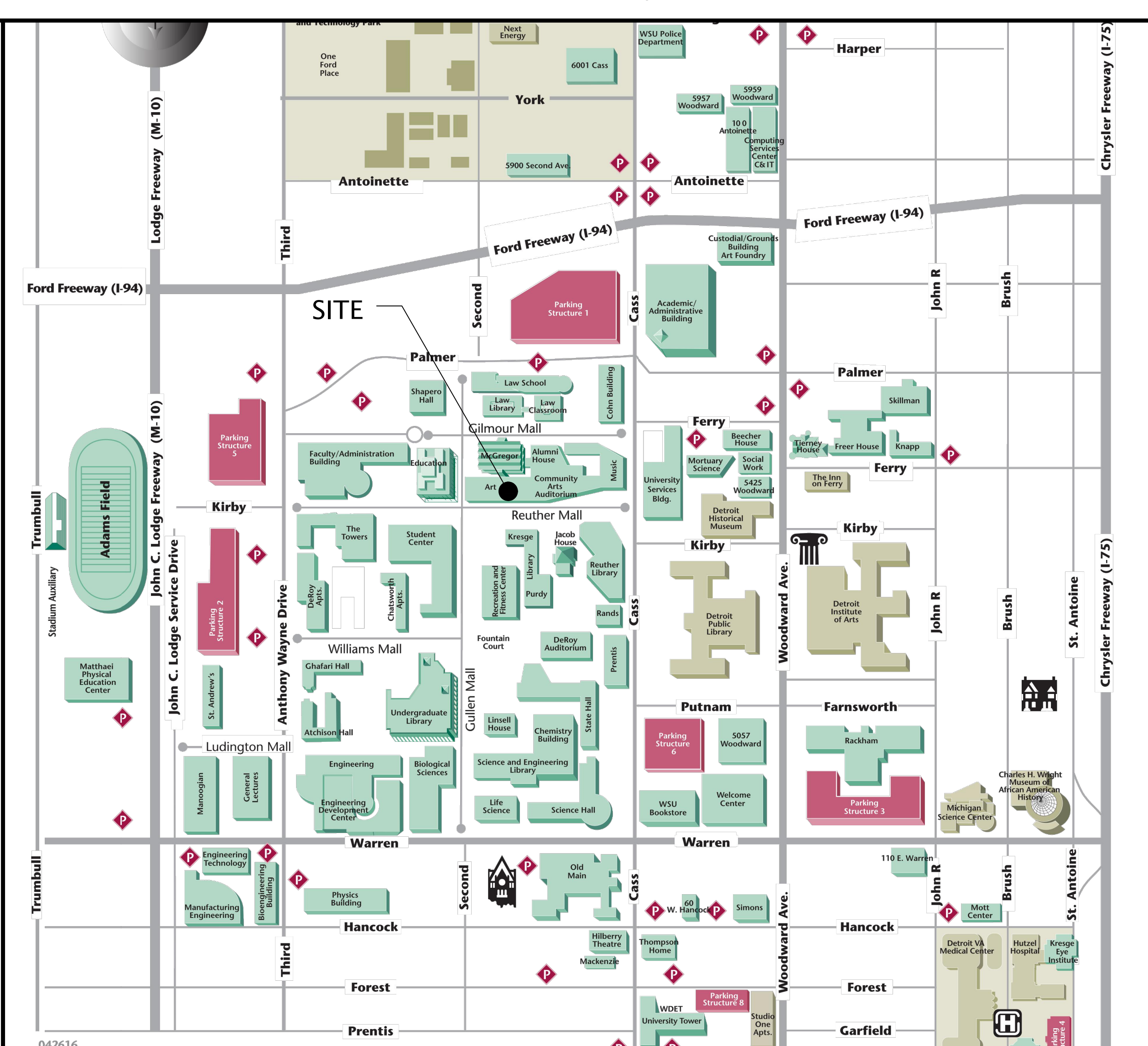
BASE BID: NEW PARTITIONS AND DOORS IN AREA INDICATED ON PLAN. NEW MAKE-UP AIR UNIT TO ACCOMMODATE NEW PAINT BOOTH


ADD ALTERNATE NO. 1: RELOCATE WOOD HOOD AS INDICATED ON DRAWINGS. NEW PARTITION WALL TO SEPARATE LAB AREA FROM WOODWORKING AREA.

ADD ALTERNATE NO. 2: NEW DUST COLLECTION SYSTEM WITH THREE DOWNDRAFT TABLES AND TWO BAND SAWS AND A FLOOR SWEEP. NEW ROOM AND DOOR TO ENCLOSE DUST COLLECTION SYSTEM.

ONLY BASE BID IS TO BE BID ON AT THIS TIME. SEE WAYNE STATE UNIVERSITY'S FRONT END DOCUMENTS FOR BIDDING INFORMATION.

Location Map



<p>Seal(s)</p>	<p>North Arrow</p> 
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Project Manager SCOTT ROBACH	Drawn CHERYL BOHREN
Project Leader	Checked

Client
WAYNE STATE UNIVERSITY
5454 CASS AVENUE
DETROIT MI. 48202

Project **WSU # 040-284897**
ART ROOMS 250 & 254
RENOVATION
150 ART BUILDING DETROIT, MI 48202

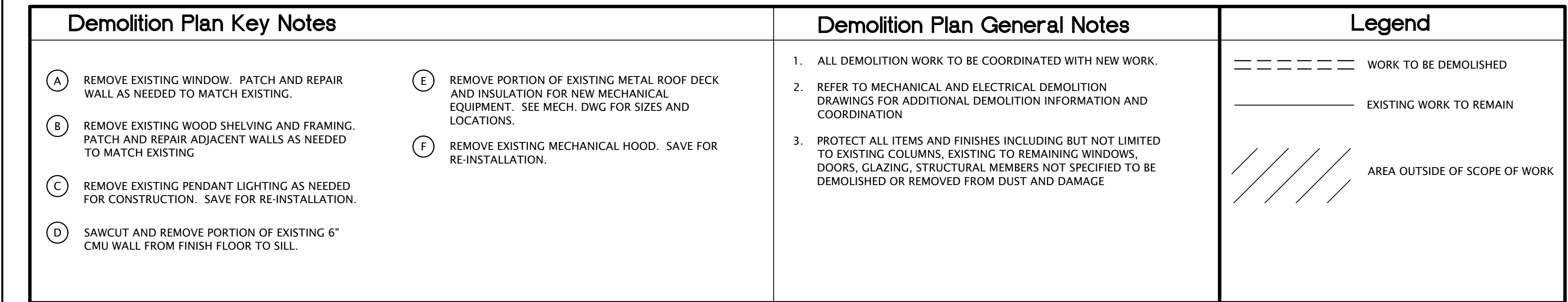
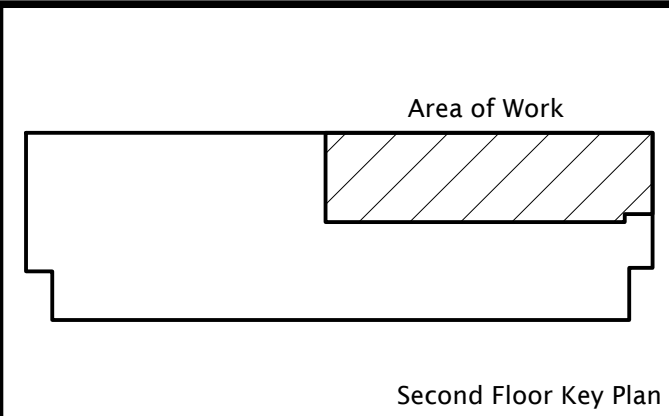
Drawing Title

COVER SHEET

Check Scale (may be photo reduced)

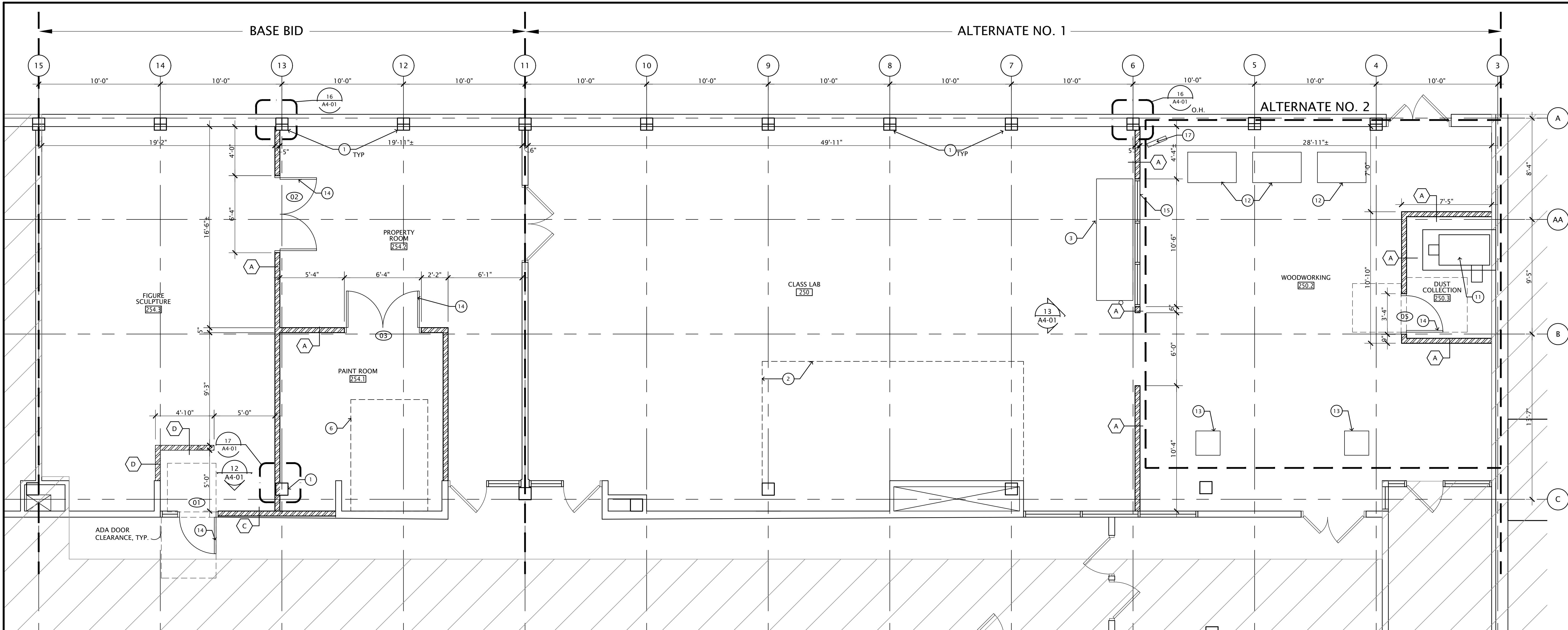
Project No.	JCDT16-0247
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Drawing No.	A0-01
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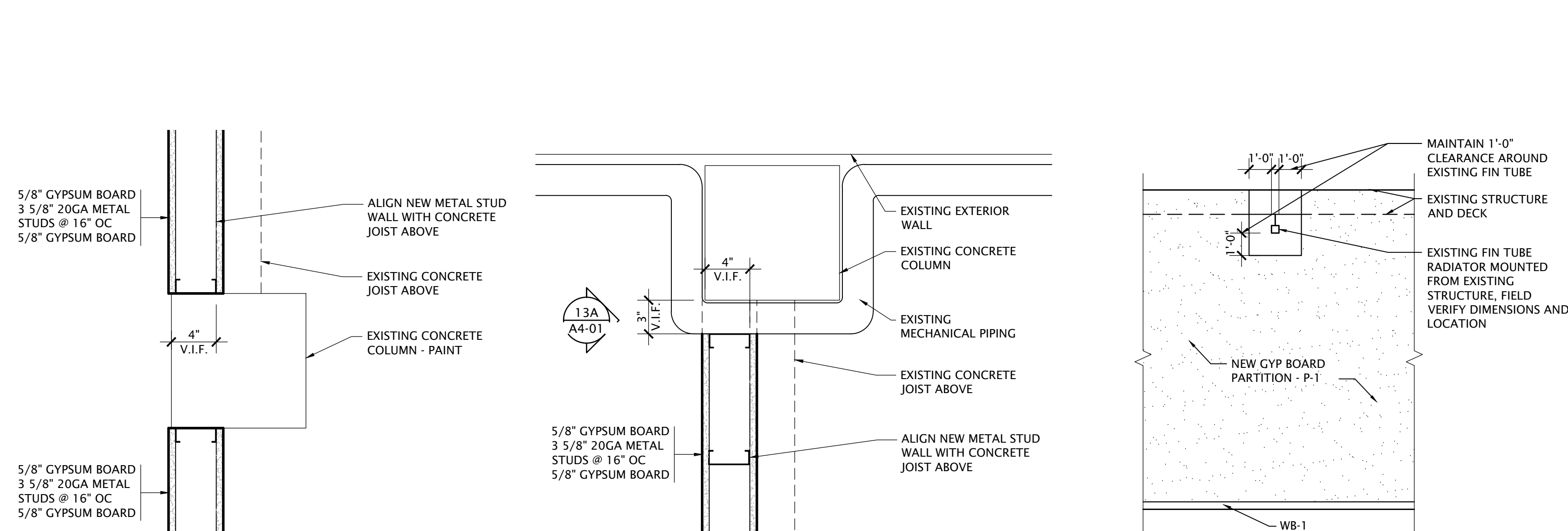
Project Manager SCOTT ROBACH	Drawn CHERYLL BOHREN
Project Leader	Checked
Client	
<p>WAYNE STATE UNIVERSITY</p> <p>5454 CASS AVENUE DETROIT MI 48202</p>	
Project	<p>WSU # 040-284897</p> <p>ART ROOMS 250 & 254 RENOVATION</p> <p>150 ART BUILDING DETROIT, MI 48202</p>
Drawing Title	
<p>LIFE SAFETY PLAN AND DEMOLITION PLAN</p>	
<p>Check Scale (may be photo reduced)</p> <p>0 1 inch 0 10mm</p>	
Project No.	
JCDT16-0247	
Drawing No.	
A1-01	

ARCH E1: 30"x42" - 762mm (627mm rounded)



Finish Schedule	
P-1	LATEX EGGSHELL - COLOR SELECTED BY OWNER PAINT ALL NEW WALLS AND ALL EXISTING CMU OR PLASTER WALLS - DO NOT PAINT EXISTING BRICK WALL IN WOODWORKING ROOM
WB-1	RESILIENT WALL BASE - SELECTED BY OWNER ALL NEW WALLS TO RECEIVE NEW WALL BASE
GL-1	1/4" CLEAR GLASS, PROVIDE TEMPERED GLASS BELOW 10'-0", WITHIN 18" OF DOORS, AND ELSEWHERE AS REQUIRED BY CODE.

Door Schedule														
Door Number	Door							Frame			Details			Remarks
	Description	Type	Width	Height	Mat'l	Finish	Glass	Type	Mat'l	Finish	Head	Jamb	Threshold	
01	FIGURE SCULPTURE 254.3	A	3'-0"	7'-0"	Wood		GL-1	2	H.M.	PT-1	7/A4.01	6.2/A4.01	5/A4.01	20 MIN FIRE RATING
02	CLASS LAB 254.3	B	(2)3'-0"	7'-0"	Wood		--	1	H.M.	PT-1	3/A4.01	2/A4.01	1/A4.01	DOUBLE DOORS
03	PAINT ROOM 254.1	A	(2)3'-0"	7'-0"	Wood		--	1	H.M.	PT-1	3/A4.01	2/A4.01	1/A4.01	DOUBLE DOORS PROVIDE DOOR SWEEP
04	PROPERTY ROOM 254.2	A	3'-0"	7'-0"	Wood		--	1	H.M.	PT-1	3/A4.01	2/A4.01	1/A4.01	
05	DUST COLLECTION 250.3	A	3'-0"	7'-0"	Wood		--	1	H.M.	PT-1	3/A4.01	2/A4.01	1/A4.01	PROVIDE DOOR SWEEP
General Door Schedule Notes								General Accessibility Notes						
1. DOOR AND FRAME MANUFACTURER TO BE SELECTED BY OWNER. 2. DOOR HARDWARE TO BE A CLASSROOM FUNCTION LOCK. COCKING AND KEYING TO BE DONE BY OWNER. 3. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.								1. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. IN ADDITION, CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR. 2. INTERIOR DOOR CLOSERS SHALL BE ADJUSTED SO THAT DOORS HAVE A 5 POUND MAXIMUM OPENING FORCE. 3. ALARMS, STROBES, AND COMMUNICATION DEVICES SHALL BE INSTALLED ACCORDING TO ACCESSIBILITY STANDARDS.						



17
A2-01

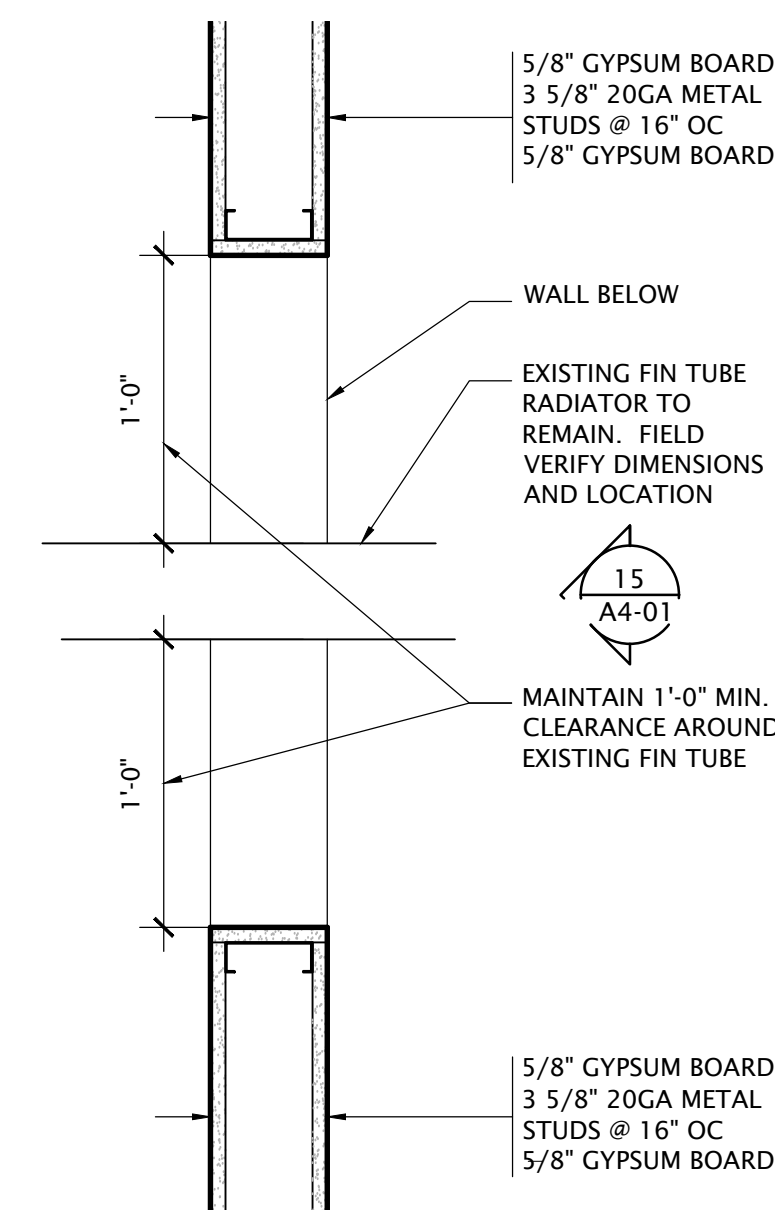
PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

16
A2-01

PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

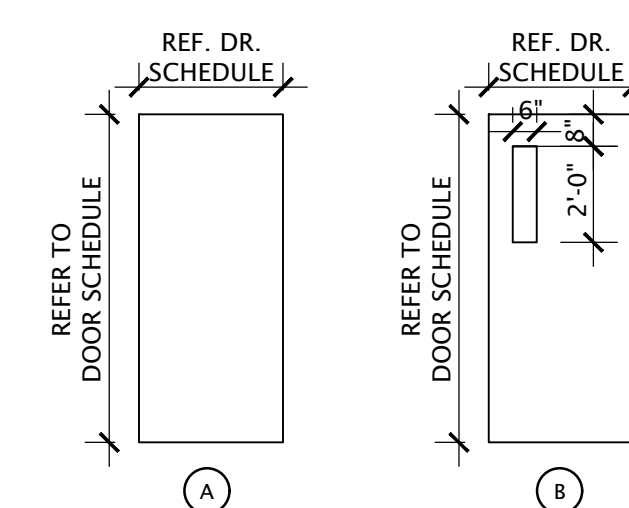
15
A2-01

FIN TUBE ELEVATION
SCALE: 1/4" = 1'-0"

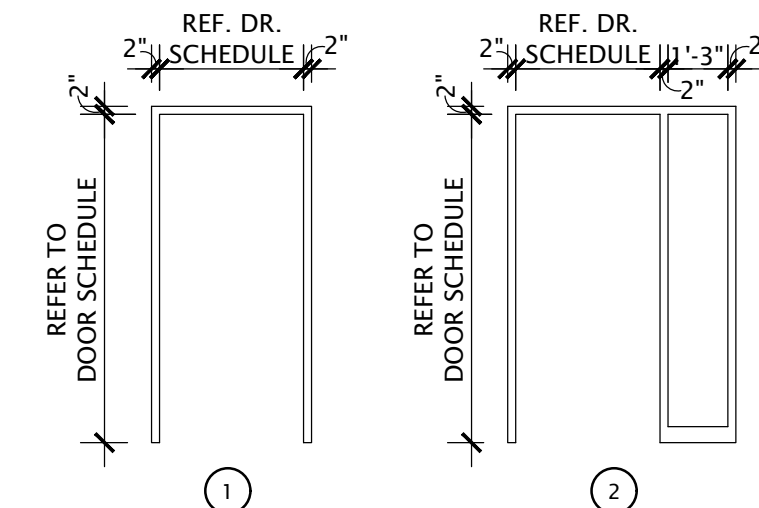


14
A2-01

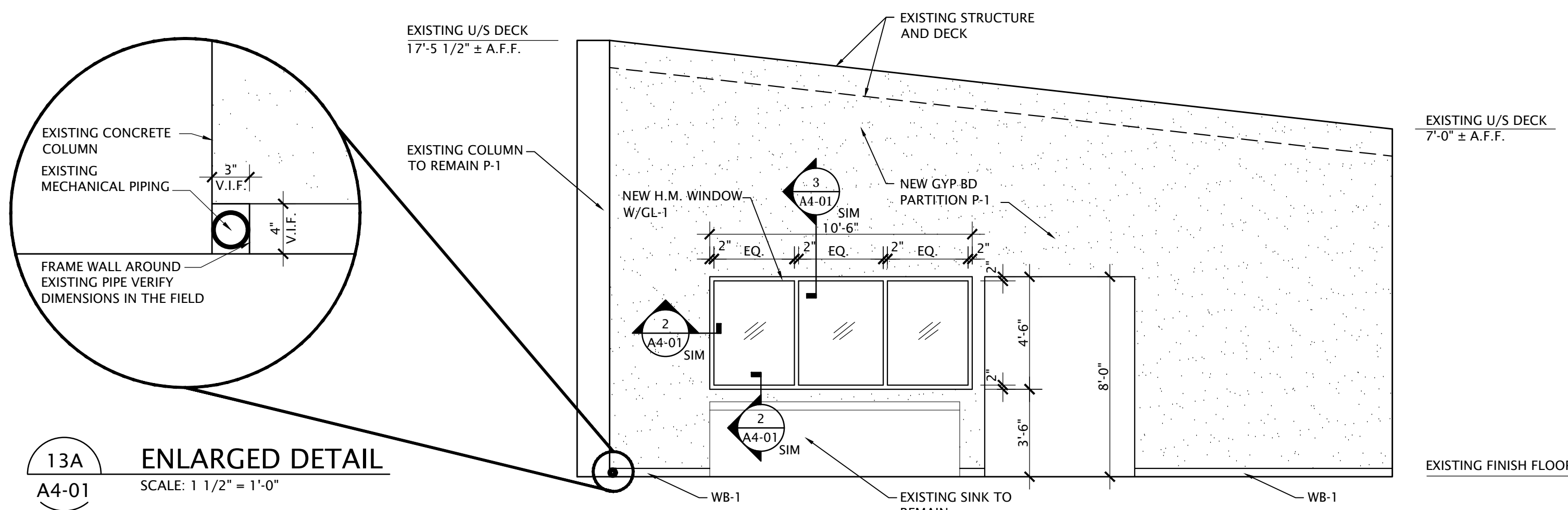
FIN TUBE DETAIL
SCALE: 1 1/2" = 1'-0"



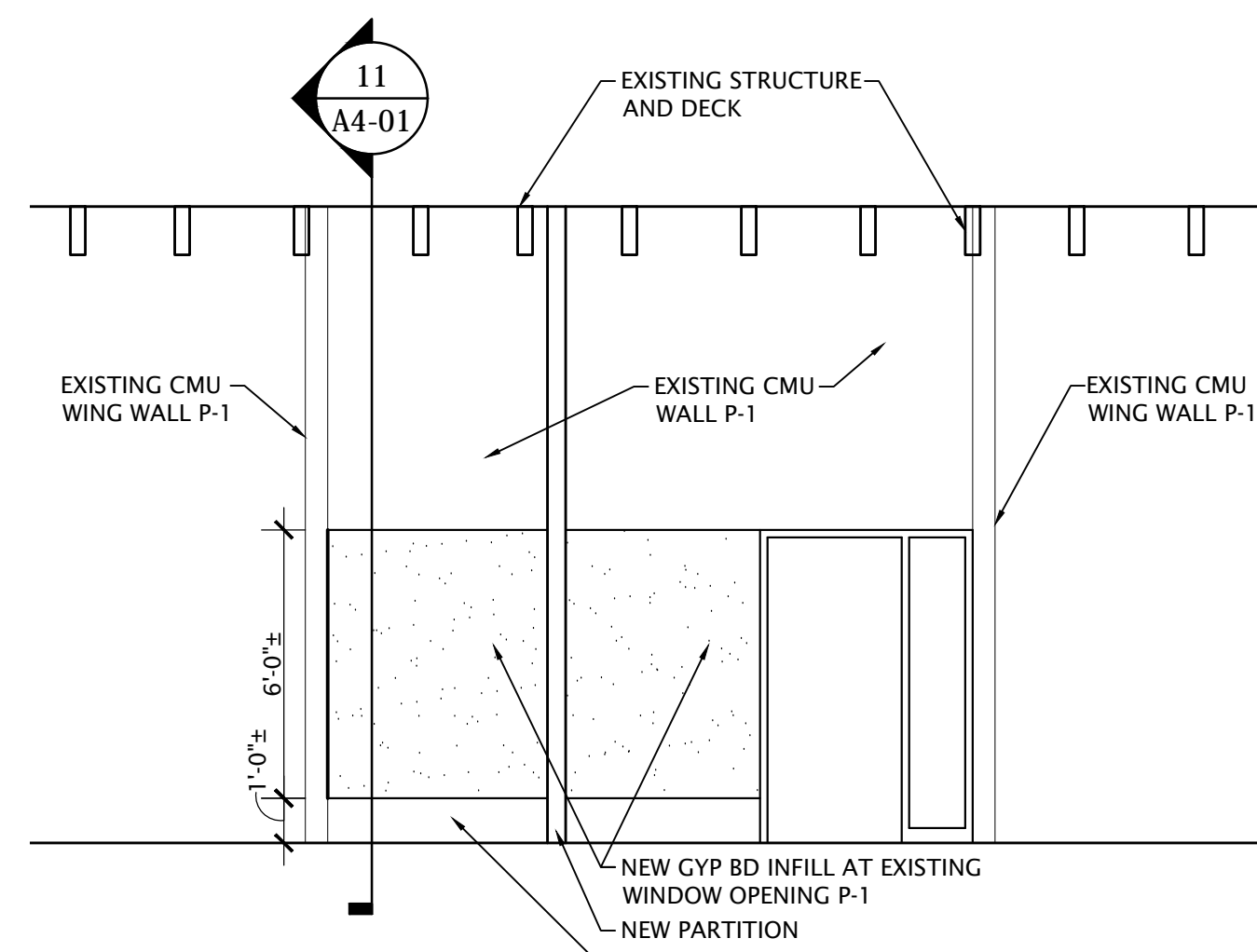
8 DOOR TYPE ELEVATION
A4-01 SCALE: 1/4" = 1'-0"



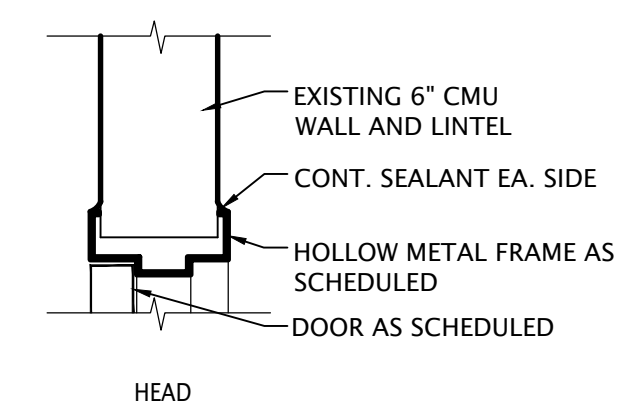
4 DOOR FRAME ELEVATION
A4-01 SCALE: 1/4" = 1'-0"



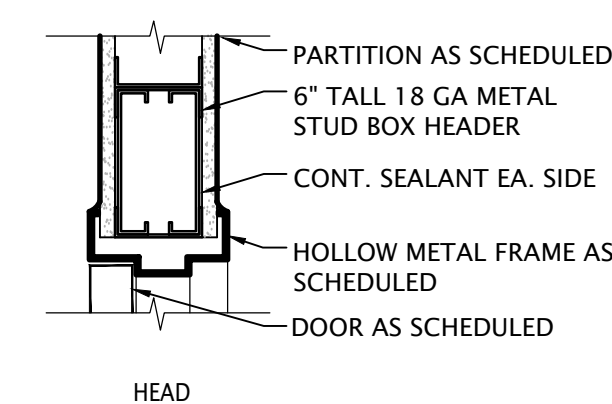
13A ENLARGED DETAIL
A4-01 SCALE: 1 1/2" = 1'-0"



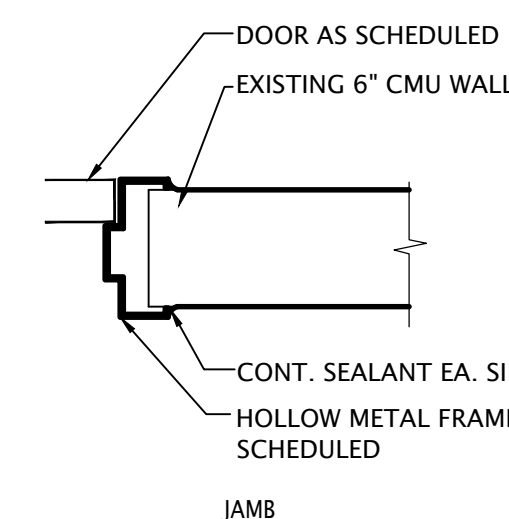
12 INTERIOR ELEVATION
A4-01 SCALE: 1/4" = 1'-0"



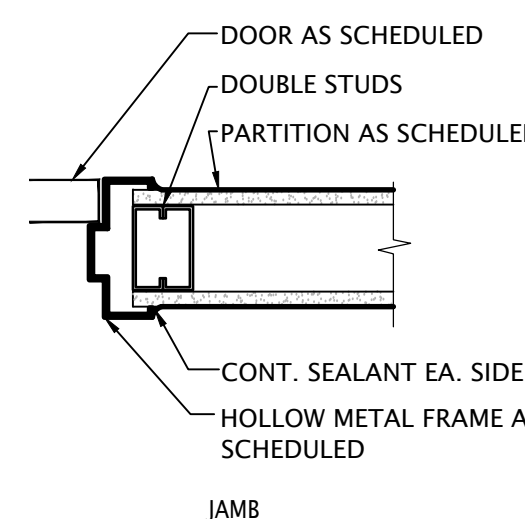
7 DOOR FRAME HEAD DETAIL
A4-01 SCALE: 1 1/2" = 1'-0"



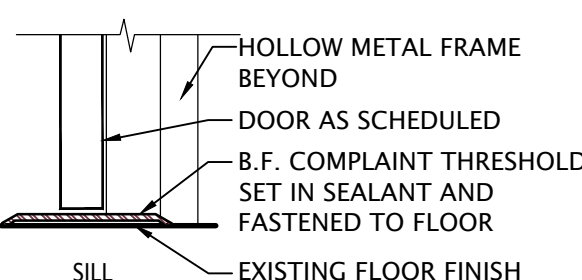
3 DOOR FRAME HEAD DETAIL
A4-01 SCALE: 1 1/2" = 1'-0"



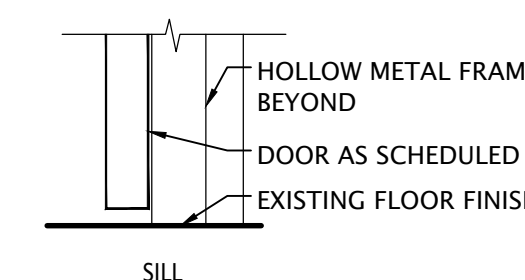
6 DOOR FRAME JAMB DETAIL
A4-01 SCALE: 1 1/2" = 1'-0"




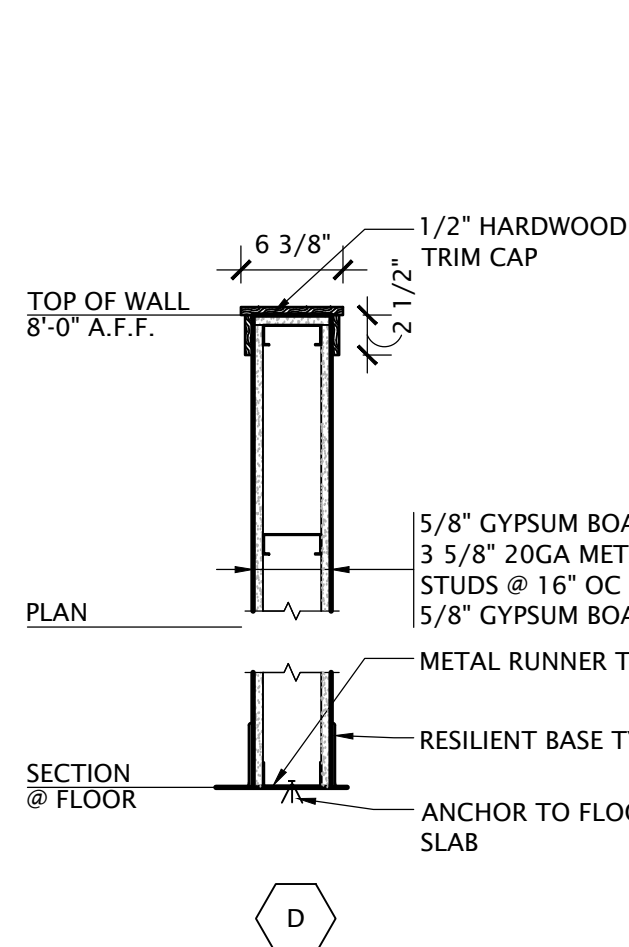
2 DOOR FRAME JAMB DETAIL
A4-01 SCALE: 1 1/2" = 1'-0"



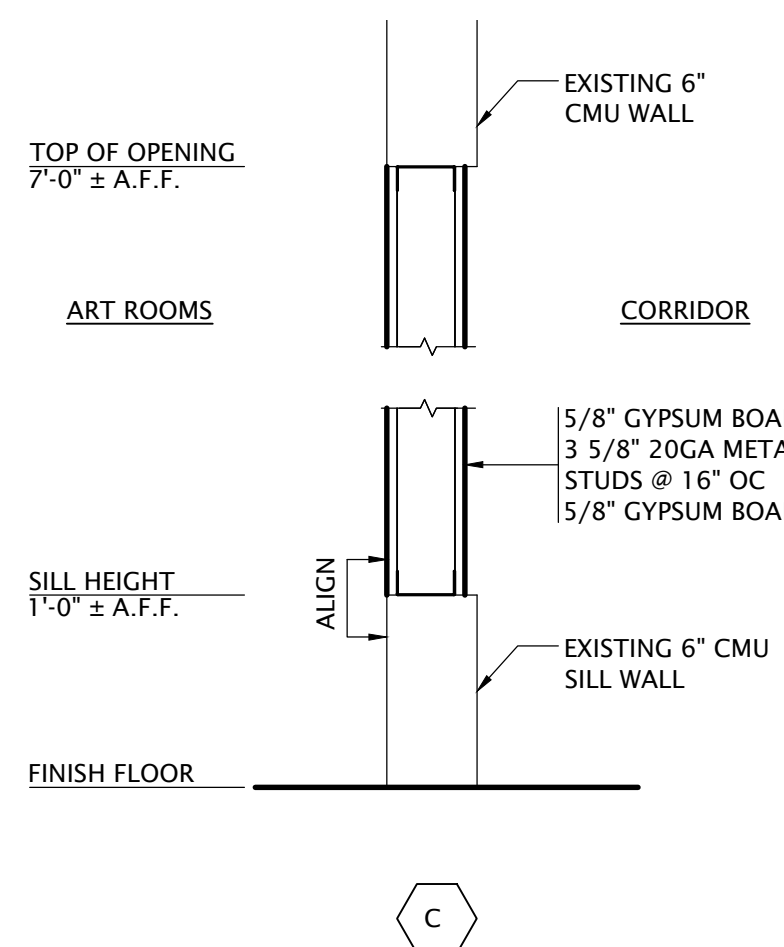
5 DOOR FRAME SILL DETAIL
A4-01 SCALE: 1 1/2" = 1'-0"



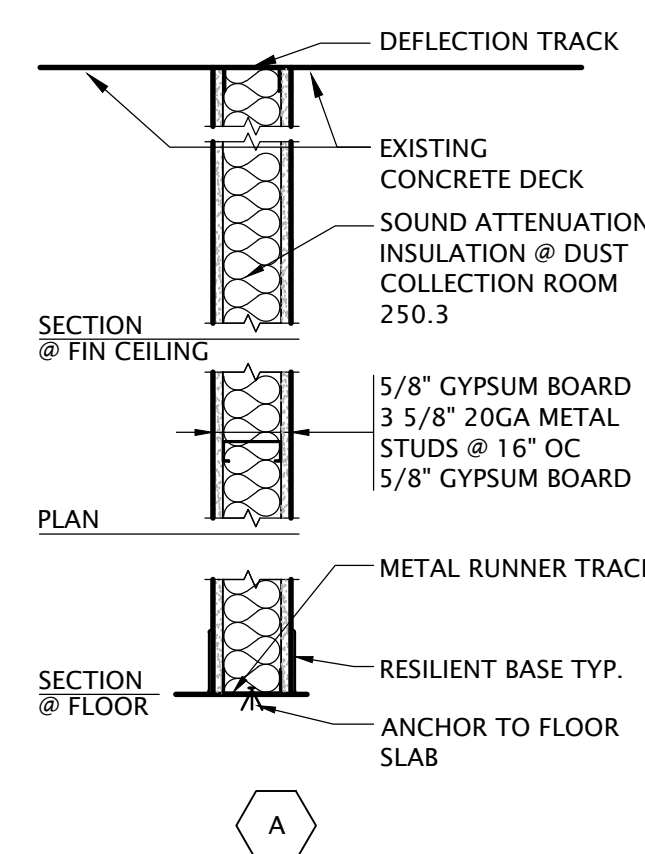
 **DOOR FRAME SILL DETAIL**
A4-01 SCALE: 1 1/2" = 1'-0"



11A WALL TYPE D
A4-01 SCALE: 1" = 1'-0"



11 WALL TYPE C
A4-01 SCALE: 1" = 1'-0"



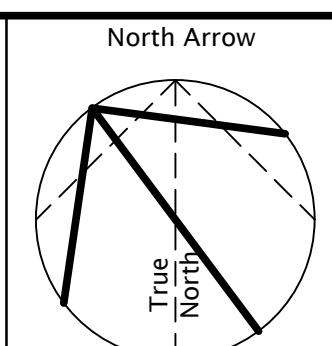
9 WALL TYPE A
A4-01 SCALE: 1" = 1'-0"

[illegible]

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Keyplan



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ARCHITECTS ENGINEERS PLANNERS

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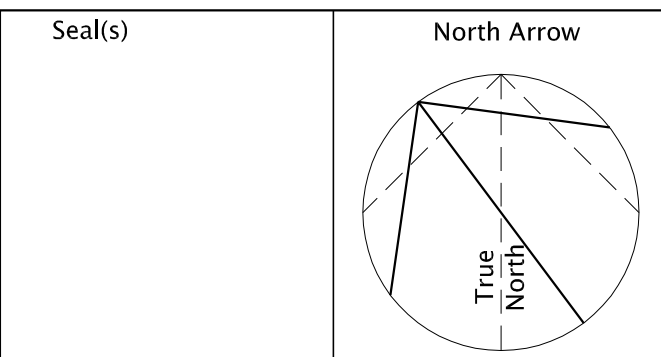
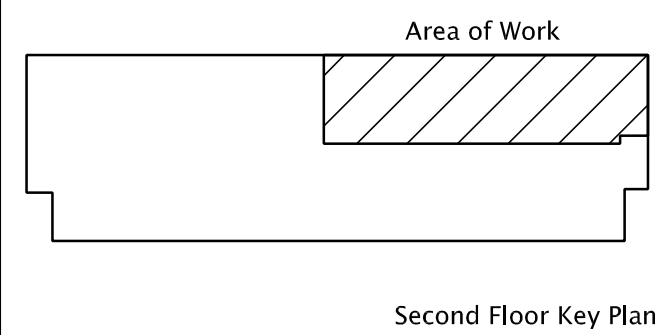
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Project Manager SCOTT ROMACH	Drawn CHERYL BOHREN
Project Leader	Checked
Client WAYNE STATE UNIVERSITY 5454 CASS AVENUE DETROIT MI 48202	
Project	WSU # 040-284897 ART ROOMS 250 & 254 RENOVATION 150 ART BUILDING DETROIT, MI 48202
Drawing Title INTERIOR ELEVATIONS, SECTION, DOOR SCHEDULE AND DETAILS	
Check Scale (may be photo reduced) 	
Project No.	JCDT16-0247
Drawing No.	A4-01

1 MECHANICAL FLOOR PLAN

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Keyplan



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Drawing No. M2-01

Scale: 1/4" = 1'-0"

MECHANICAL GENERAL NOTES

1. WORK INCLUDES INSTALLATION OF HVAC SYSTEMS, INCLUDING PANT BROOM, DUCT COLLECTOR, EXHAUST FANS, MAKE-UP AIR UNIT, SUPPLY AIR DUCT, RETURN AIR DUCT, EXHAUST AIR DUCT, GRILLES, REGISTERS, MANIFOLDERS, COMPLETELY ASSEMBLED, INCLUDING INSULATION, DUCT INSULATION, AND RELATED ITEMS NECESSARY FOR A COMPLETE FUNCTIONING SYSTEM AS INDICATED ON THE PLANS. FURNISH ALL NEW MATERIALS AND EQUIPMENT. PROVIDE ALL CONNECTIONS, ALL ELBOWS, REFER TO ARCHITECTURAL AND MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND ALL FIELD AND END CONNECTIONS, INCLUDING ALL FITTINGS, JOINTS, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND EQUIPMENT SHOWN ON PLANS.
2. MECHANICAL DRAWINGS ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND REQUIRED EQUIPMENT. DRAWINGS SHALL BE UNLESS SCALED. ALL WORK SHALL BE IN ACCORDANCE WITH, REFER TO ARCHITECTURAL AND MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND ALL FIELD AND END CONNECTIONS, INCLUDING ALL FITTINGS, JOINTS, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND EQUIPMENT SHOWN ON PLANS.
3. CODE COMPLIANCE: ALL WORK COVERED BY THIS SECTION SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
4. COORDINATE WORK WITH OTHER TRADES. EQUIPMENT FURNISHED BY OTHERS AND OWNER REQUIREMENTS. PROVIDE DUCT RISERS AND DROPS AS REQUIRED FOR INSTALLATION AND/OR TRADE COORDINATION.
5. IF ARCHITECT OR ANY DISCREPANCIES BEFORE STARTING WORK, WORK SHALL BE PERFORMED BY EXPERIENCED TRADESMEN AND THEIR WORK SHALL BE OF HIGH STANDARD ACCEPTABLE TO THE OWNER. DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL LOCAL, SEALED AND INSULATED AS PROVIDED IN THE INT'L ENERGY AND MECHANICAL CODES. SHEET METAL SHALL BE IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS. SHEET METAL SHALL BE GALVANIZED OF LOCAL OR HIGHER QUALITY AS-25. UNLESS OTHERWISE NOTED, DUCT DIMENSIONS ON DRAWINGS ARE NET LESS CLEAR DIMENSIONS ON UNLINED DUCTS OR SHEET METAL DIMENSIONS ON GALVANIZED DUCTS. ALL UNLINED DUCTS SHALL BE CONSTRUCTED GALVANIZED. ROUND RIGID DUCTWORK SHALL CONFORM TO SMACNA TABLE 3-2.
6. INSTALL DUCT HIGH AS POSSIBLE WITHIN JOIST SPACE. CONSULT ARCHITECT AND ENGINEER FOR ALTERNATE ROUTING IF CONFLICT OCCURS.
7. TRANSVERSE AND LONGITUDINAL DUCT SEAMS AIR-TIGHT. PROVIDE TURNING VANES AT ALL ELBOWS OR OFFSETS EXCEEDING 60 DEGREES.
8. WAX EXHAUST SYSTEM: ALL WAX EXHAUST DUCTS SHALL BE FABRICATED BY WELDED JOINT CONSTRUCTION OF 16 GAUGE WELDED STEEL OR 18 GAUGE STAINLESS STEEL. PROVIDE RATED ACCESS DOORS AT ALL ELBOWS AND OFFSETS. PROVIDE ACCESS DOORS AT ALL ELBOWS AND OFFSETS. PROVIDE MINIMUM 30"x30" UNOBSTRUCTED ACCESS OR ROUTE FROM THE CEILING TO EACH ACCESS DOOR. DO NOT BLOCK ACCESS W/INSULATION. ELBOWS AND OFFSETS SHALL BE 18" MINIMUM. ALL ELBOWS SHALL BE LONG RADIUS. WAX EXHAUST DUCT SHALL BE WRAPPED WITH FREMSTAR WAX DUCT WRAP (2HR FIRE RESISTIVE INSULATION).
9. DUCT INSULATION: INSULATE ALL DUCTS EXCEPT DUCTS WHEN THE AIR TEMPERATURE INSIDE THE DUCT IS + OR - 20° DEGREE FROM THE SPACE AROUND THE DUCT. DUCT INSULATION SHALL BE JOHNS MANVILLE OR EQUAL. INSULATION SHALL BE 2" THICK FOR TEMPERATURES UP TO 250° F. INSULATION SHALL BE 1" THICK FOR TEMPERATURES ABOVE 250° F. INSULATION SHALL BE 1" THICKNESS RIGID FOR OUTDOOR AND SHAFTS. DUCT INSULATION SHALL BE BONDDED CLASS FIBERS IN THERMOSETTING RESIN MEETING NEPA 90A AND 90B. PROVIDE A K VALUE NOT TO EXCEED 0.25 AT 75 DEGREES F. FLAME SPREAD AND SMOKE DEVELOPED RATINGS SHALL NOT EXCEED 25/50. APPLY 100% ADHESIVE COVERAGE TO SHEET METAL DUCTWORK. PROVIDE PROTECTION FROM MECHANICAL VIBRATIONS ON DUCTS OVER 12" WIDE OR 16" HIGH. MECHANICAL FASTENERS SHALL BE "GRIPNAIL" OR WELDED PIN AND SPEED CLIPS SPACED PER SMACNA STANDARDS. PROVIDE PROTECTIVE VAPOR BARRIER ON ALL ELBOWS. LAMINATED VAPOR BARRIER AND WATERPROOFING MEMBRANE FOR INSTALLATION OVER THE OUTDOOR INSULATION.
10. FLEX DUCT: PROVIDE FACTORY ASSEMBLED CLASS 1 AIR DUCT (UL 181) WITH FIBERGLASS INSULATION AND REINFORCED OUTDOOR PROTECTIVE COVER/VAPOR BARRIER. FLEX DUCT SHALL MEET NEPA 90A WITH FLAME SPREAD UNDER 25, SMOKE DEVELOPED UNDER 50 AND SHALL BE RATED 2" W.C. PRESSURE. PROVIDE 1" MINIMUM DEGREE TEMPERATURE. FLEX DUCT MAXIMUM ALLOWED LENGTH IS 3FT.
11. TEST AND ADJUST EACH PIECE OF EQUIPMENT AND EACH SYSTEM AS REQUIRED TO ASSURE PROPER OPERATION.
12. CERTIFIED AIR BALANCE REPORT TO OWNER SHOWING DESIGN AND MEASURED AIR VOLUMES, STATIC PRESSURES, FAN RPMs, ETC. AIR BALANCE CONTRACTOR SHALL PROVIDE PROTECTION TO ALL JOBS, VIBRATION, AND TO ASSURE PROPER FUNCTION OF CONTROLS, MAINTENANCE OF TEMPERATURE AND OPERATION. GENERAL CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM ALL LOCAL CODE AND GUARANTEE WORK AND INSTALLATION FOR ONE YEAR AFTER ACCEPTANCE BY OWNER. GENERAL CONTRACTOR TO FURNISH OWNER WITH TWO COMPLETE SETS OF AS-BUILT DRAWINGS INDICATING ALL INSTALLED WORK, INCLUDING ALL CONTROL WIRING DIAGRAMS AND INTERLOCK FOR SYSTEM OPERATION.

[illegible]

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Area of Work

Second Floor Key Plan

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Project Leader	Checked H. MONTAGUE
Client	
<p>WAYNE STATE UNIVERSITY</p> <p>5434 CASS AVENUE DETROIT MI, 48202</p>	
Project	<p>WSU # 040-284897</p> <p>ART ROOMS 250 & 254</p> <p>RENOVATION</p> <p>150 ART BUILDING DETROIT, MI 48202</p>

Check Scale (may be photo reduced)

LUMINAIRE		LAMP					
	DESCRIPTION	TYPE	BALLAST	VOLTS	MANUFACTURER AND CATALOG NUMBER SERIES	REMARKS	MOUNTING / LOCATION
X	WALL MOUNTED EXIT SIGN WITH NICKEL-CADMIUM BATTERY, RED LETTERS	LED		120	LITHONIA #LHQM-S- W-3-R OR EQUAL BY COOPER	BATTERY SHALL PROVIDE EMERGENCY POWER FOR A MINIMUM OF 90 MINUTES	SURFACE WALL MOUNT
XA	WALL MOUNTED EXIT SIGN WITH NICKEL-CADMIUM BATTERY, RED LETTERS AND (2) HEADS	LED		120	LITHONIA #LHQM-S-W-3-R WITH (2) 5.4W KRYPTON LIGHTS OR EQUAL BY COOPER	BATTERY SHALL PROVIDE EMERGENCY POWER FOR A MINIMUM OF 90 MINUTES	WALL MOUNT

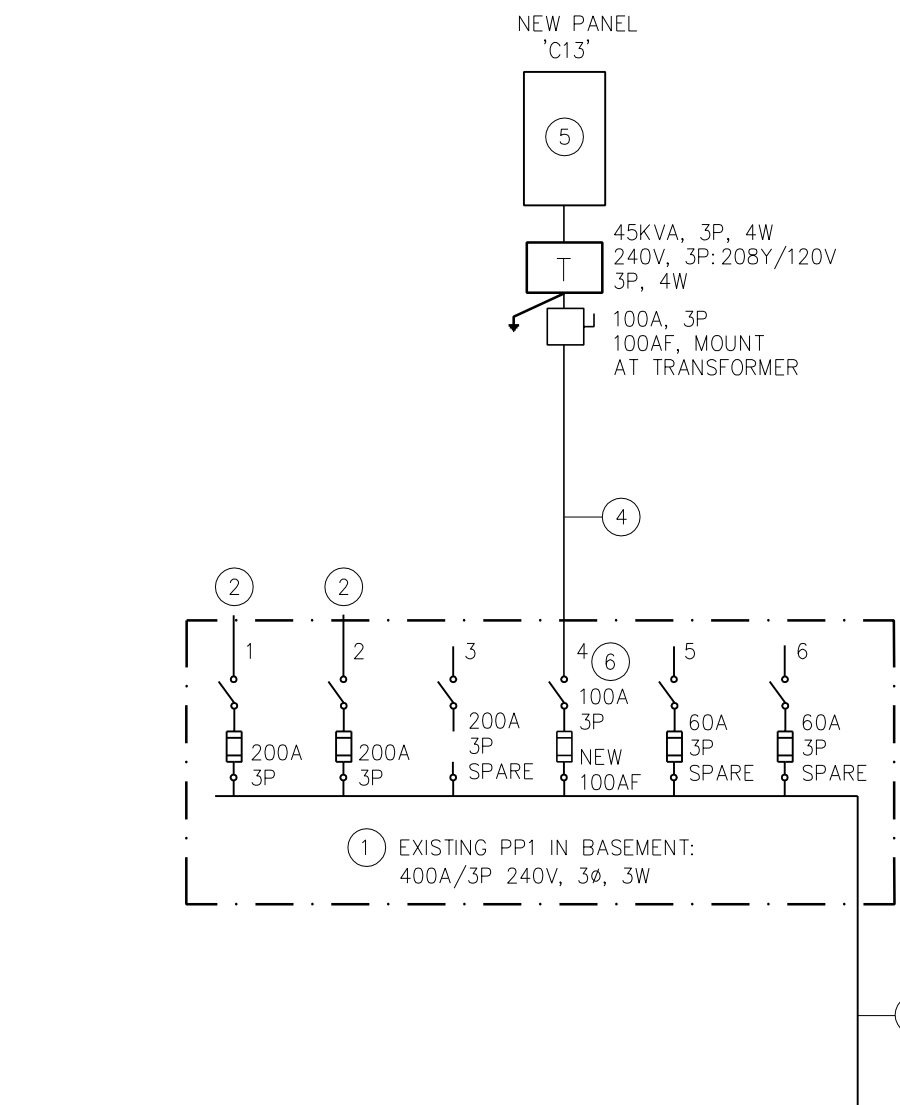
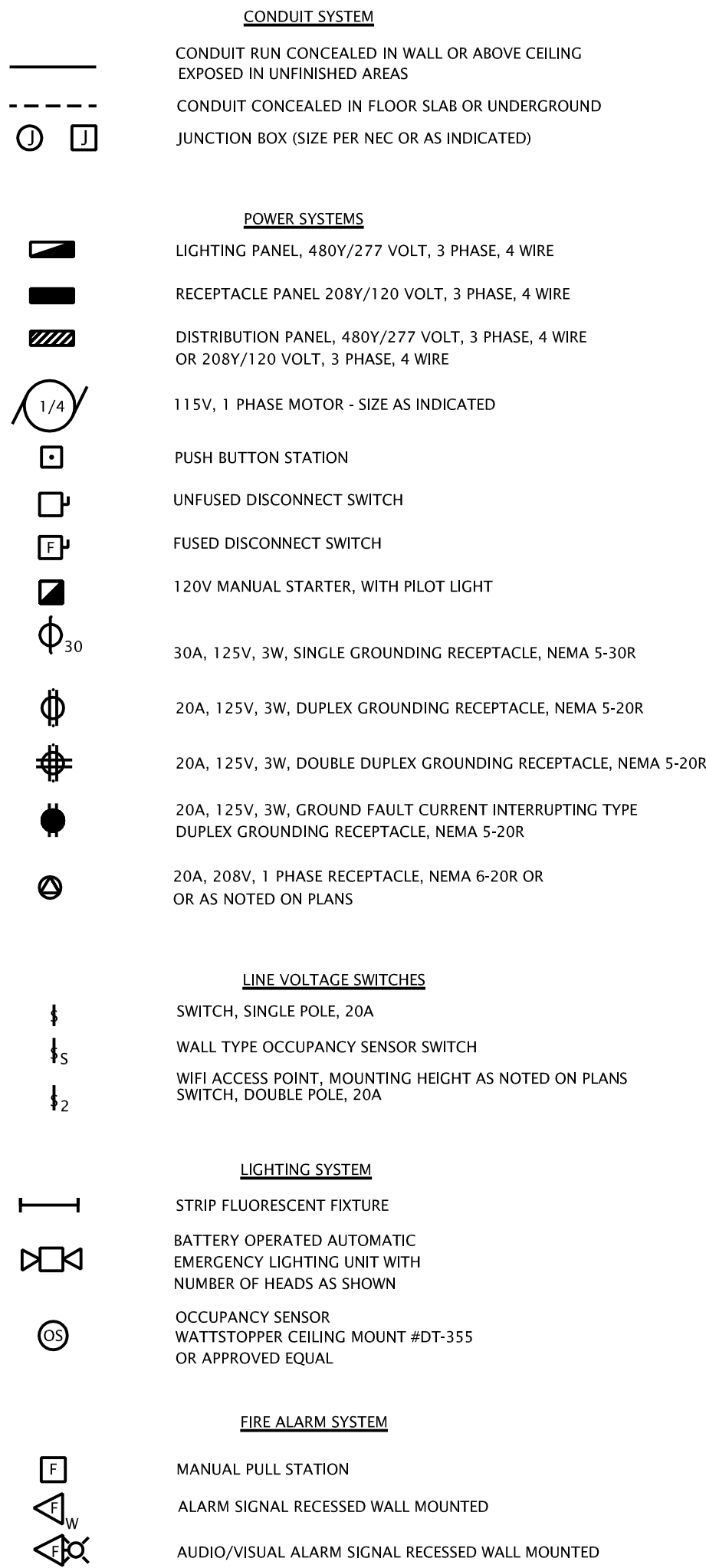
MECHANICAL EQUIPMENT CHARACTERISTICS

ITEM NO.	DESCRIPTION	EQUIPMENT CHARACTERISTICS					CIRCUIT	FEEDER	DISCONNECT SWITCH				REMARKS
		VOLTS	PH	KW	HP	MCA			SIZE	PL	FUSE	FEATURES	
MAU 1	MAKE UP AIR UNIT -1	208	3		5	15.9	C13-1,3,5	3#12 & 1#12G - 3/4" C.	30	3	30	NEMA 3R	PROVIDE DISCONNECT. CONNECT FEEDER TO DISCONNECT AND CONTROL PANEL. PROVIDE 15A FUSES. INTERLOCK TO EXHAUST FAN EF-1 BY THE M.C.
MAU 2	MAKE UP AIR UNIT -2	208	3		1.5	5.8	C13-2,4,6	3#12 & 1#12G - 3/4" C.	30	3	15	NEMA 3R	PROVIDE DISCONNECT. CONNECT FEEDER TO DISCONNECT AND CONTROL PANEL. PROVIDE 15A FUSES. INTERLOCK TO EXHAUST FAN EF-1 BY THE M.C.
PSB 1	PAINT SPRAY BOOTH EXH. FAN	208	3		1	4.8	C13-7,9,11	3#12 & 1#12G - 3/4" C.					CONNECT FEEDER TO PREMIRED CONTROL PANEL.
W 1	WELDER (EXISTING)	240	1				EXISTING MAIN DISTRIBUTION PANEL	2#3 & 1#8G - 1 1/4" C.	100	3	100	NEMA 1	PROVIDE NEW WELDER. CABLE CONNECTION AND RECEPTACLE FROM DISCONNECT SWITCH TO WELDER. PROVIDE NEW 100A FUSES.
EF 1	EXHAUST FAN EF-1 WELDING HOOD	208	3		1 1/2		C13-16,18,20	3#12 & 1#12G - 3/4" C.		3	3	NEMA 3R	PROVIDE SIZE 0 COMBINATION MOTOR STARTER/ FUSED DISCONNECT SWITCH AND FUSES
EF 2	EXHAUST FAN EF-2 WAX HOOD	208	3		1/2		C13-15,17,19	3#12 & 1#12G - 3/4" C.		3	3	NEMA 3R	PROVIDE SIZE 0 COMBINATION MOTOR STARTER/ FUSED DISCONNECT SWITCH AND FUSES
DC 1	DUST COLLECTOR	208	3		5	17.5	C13-8,10,12	3#10 & 1#10G - 3/4" C.		3	30	NEMA 1	PROVIDE SIZE 1 COMBINATION MOTOR STARTER/ FUSED DISCONNECT SWITCH AND FUSES. CONNECT TO DUST COLLECTOR CONTROL PANEL.

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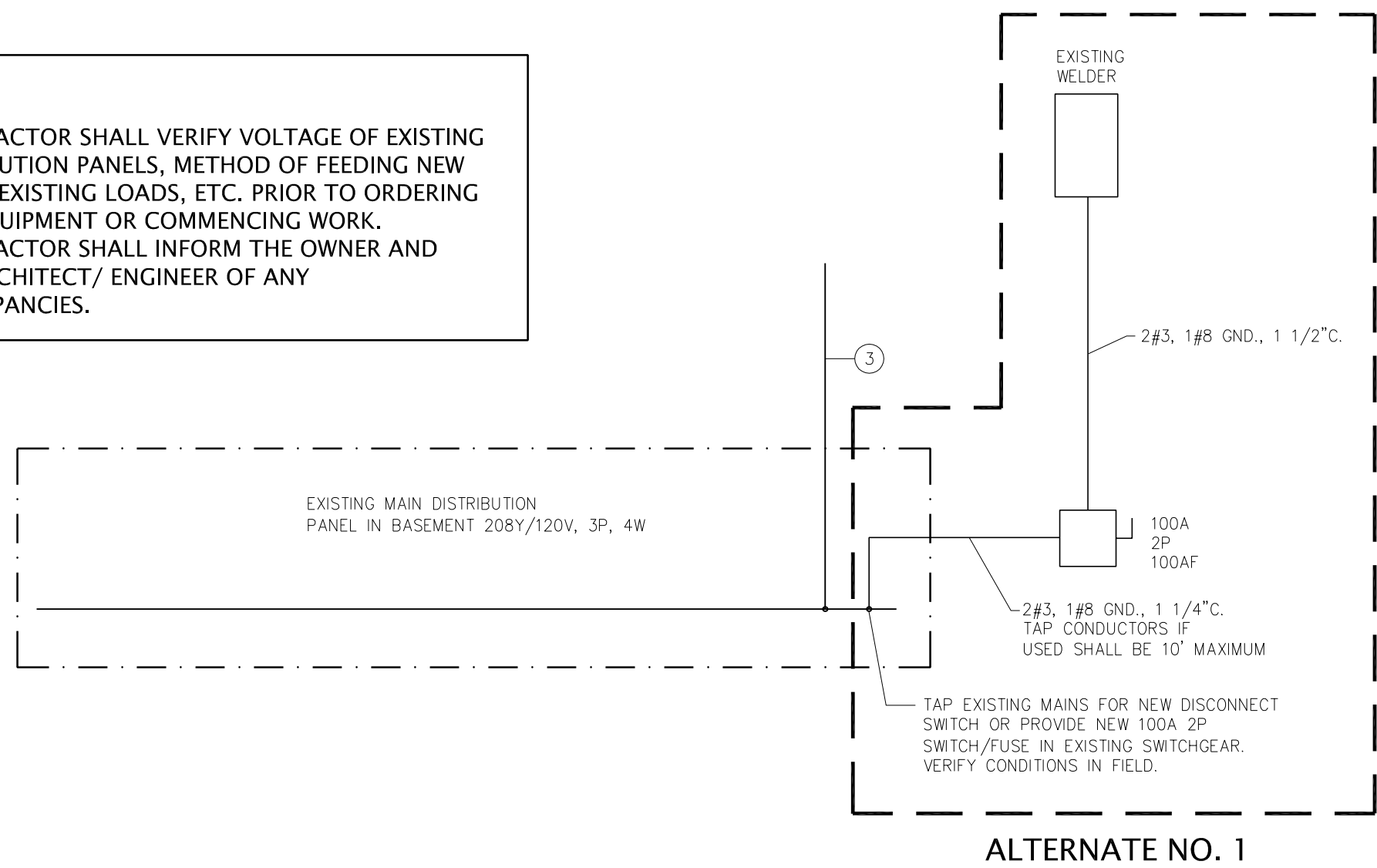
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Keyplan



NOTE:

CONTRACTOR SHALL VERIFY VOLTAGE OF EXISTING DISTRIBUTION PANELS, METHOD OF FEEDING NEW PANEL, EXISTING LOADS, ETC. PRIOR TO ORDERING ANY EQUIPMENT OR COMMENCING WORK. CONTRACTOR SHALL INFORM THE OWNER AND THE ARCHITECT/ ENGINEER OF ANY DISCREPANCIES.



1 ELECTRICAL RISER DIAGRAM
Scale: No Scale

PANELBOARD										C13		SCHEDULE												
VOLTAGE: 208Y/120V MAINS 100 MAIN BREAKER BUS SIZE: 125 AMP TOTAL LOAD 22.1 KVA										MOUNTING		SURFACE		REMARKS										
										F.A.U.T. DUTY														
LOAD (KVA)										PH		LOAD (KVA)												
No.	SERVES	LTG	RCPT	MTR	A/C	HTG	MISC	BRKR	TRIP	P	A	B	C	P	TRIP	MISC	HTG	A/C	MTR	RCPT	LTG	SERVES	No.	
3	MAU-1			1.9											15	0.8						MAU-2	2	
5				1.9					30	3						0.8							4	
7	PAINT SPRAY BOOTH			0.6														2.1				DUST COLLECTOR	8	
9	EXHAUST FAN #1			0.6					20	3					30			2.1				(ALTERNATE #2)	10	
11	(ALTERNATE #1)			0.6														2.1					12	
13	RECEPTACLES	0.8							20	1					1				0.8			RECEPTACLES	14	
15	EF-1			0.8														0.3				EF-2	16	
17	(WELDING HOOD)			0.8					15	3					15			0.3				(WAX HOD)	18	
19	(ALTERNATE #1)			0.8														0.3				(ALTERNATE #1)	20	
21	AIR DRYER			1.0					20	1					1							SPACE	22	
23	SPACE									1					1							SPACE	24	
25	SPACE																					SPACE	26	
27	SPACE																					SPACE	28	
29	SPACE																					SPACE	30	
																0.0	2.4	0.0	18.1	1.6	0.0	CONNECTED KVA	22.1	
																0.0	2.4	0.0	18.6	1.6	0.0	DEMAND KVA	22.6	
																				DEMAND AMPS				63

- ## Riser Diagram Key Notes
- 1 EXISTING FRANK ADAMS FUSIBLE DISTRIBUTION PANEL TO REMAIN, SIZE AND VOLTAGE AS INDICATED.
 - 2 EXISTING SWITCH AND LOAD TO REMAIN
 - 3 EXISTING FEEDERS TO REMAIN.
 - 4 NEW 4#3, 118G, 1 1/2". TO PANEL. PROVIDE (3) NEW 100A FUSES IN EXISTING SPARE FUSIBLE SWITCH.
 - 5 NEW PANEL. REFER TO SCHEDULE, THIS SHEET.
 - 6 REUSE EXISTING SWITCH, PROVIDE NEW 100A FUSES.

[illegible]

This drawing has been prepared solely for the use of Wayne State University and there are no representations of any kind made by NORR, LLC to any party with whom NORR, LLC has not entered into a contract.

This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer.

Area of Work

First Floor Key Plan

Seal(s)	North Arrow

NORR
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DETROIT MI, 48202

Project **WSU # 040-284897**
ART ROOMS 250 & 254
RENOVATION
150 ART BUILDING DETROIT, MI 48202

Drawing Title

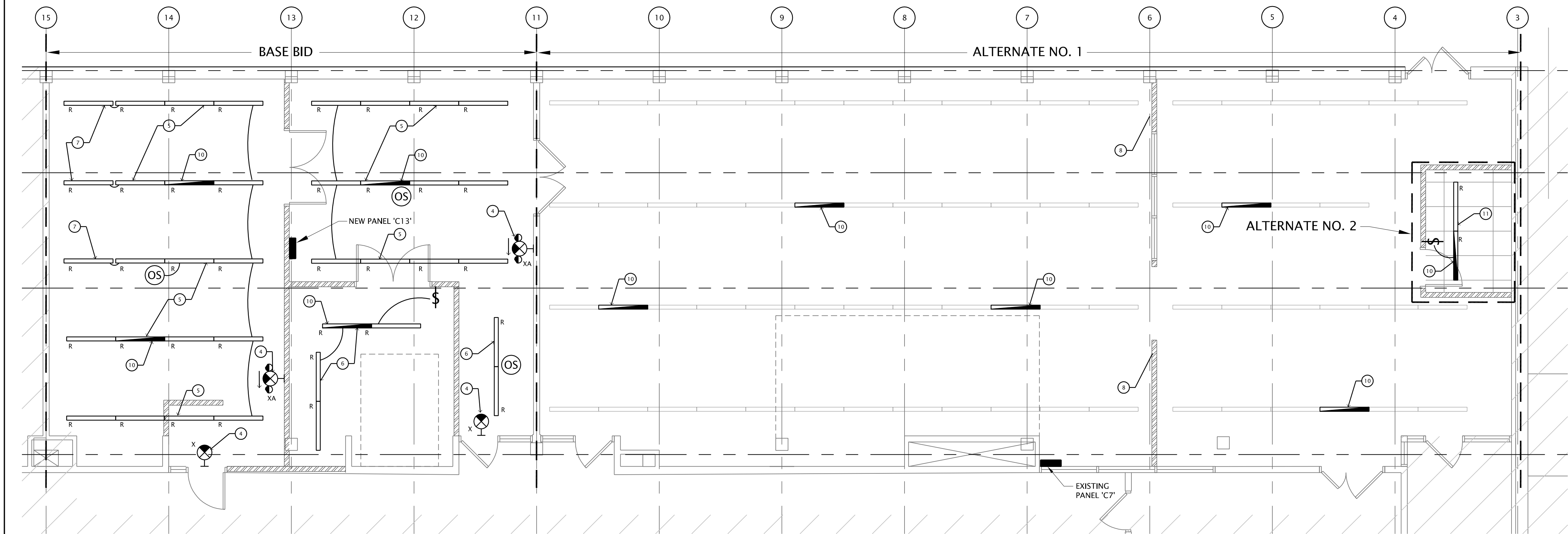
ELECTRICAL LEGEND, ONE-LINE DIAGRAM AND SCHEDULES

Check Scale (may be photo reduced)

0 1 inch 0 10mm

Project No. JCDT16-0247

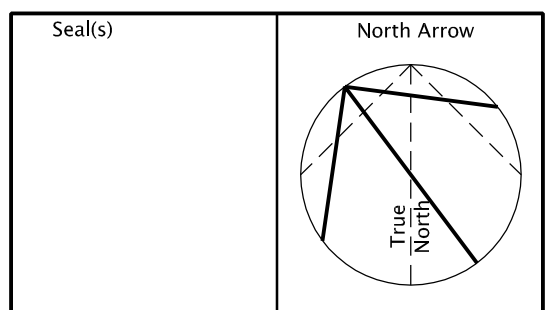
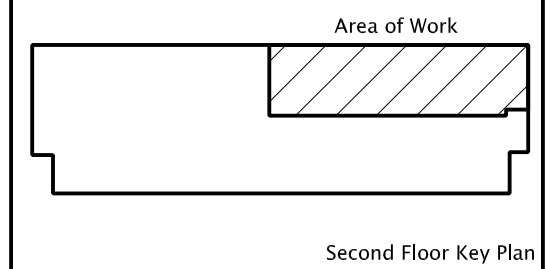
Drawing No. E0-01



- 1 DISCONNECT AND REMOVE EXISTING PENDANT MOUNTED FLOORESCENT FIXTURES. FIXTURES ARE 8' 4" LONG AND 4" x 2 LAMP FIXTURES. REFER TO REINSTALLATION, PROVIDE NEW ELECTRONIC BALLASTS FOR (12) 8' FIXTURES. REFER TO LIGHTING PLAN FOR NEW LOCATIONS.
- 2 EXISTING PENDANT MOUNTED FLOORESCENT FIXTURES TO REMAIN
- 3 EXISTING OCCUPANCY SENSORS TO BE REUSED, RECONNECT TO FLOORESCENT FIXTURES.
- 4 NEW EXIT SIGN, CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES AND CONTROLS.
- 5 RELOCATED FIXTURE, CENTER FIXTURES WITHIN ROOM. DISCONNECT TO EXISTING CIRCUIT, PROVIDE NEW SUPPORTS AS REQUIRED.
- 6 RELOCATED FIXTURE, CONNECT TO EXISTING CIRCUIT, PROVIDE NEW SUPPORTS AS REQUIRED.
- 7 MOUNT LIGHT FIXTURES TIGHT TO BOTTOM OF LOCAL INTAKE CHUTE. PROVIDE NEW SUPPORT CHANNEL AS REQUIRED.
- 8 DISCONNECT, REMOVE, RELOCATE AND RECONNECT ALL EXISTING CONDUITS/CONDUCTORS WHICH PASS THRU THE NEW PARTITION WALL.
- 9 DISCONNECT AND REMOVE EXISTING WELDER POWER SWITCH, REMOVE EXISTING FEEDERS BACK TO SOURCE.
- 10 REMOVE NEW REMOTE EMERGENCY BALLAST FOR (2) 4' LAMPS, REMOVE FIXTURE AS REQUIRED SO THAT THE EMERGENCY BATTERY IS AHEAD OF ANY LOCAL SWITCHES, OCCUPANCY SENSORS OR CONTROLS. EMERGENCY BALLAST TO BE BODINE BLOST OR EQUAL. PROVIDE AND INSTALL NEW REMOTE MATCH SWITCH (ACTING FOR REMAINING (2) LAMPS OF THE 8' FIXTURE.
- 11 MOUNT RELOCATED FIXTURES TO BOTTOM OF LAYIN CEILING.

[illegible]

Keyplan

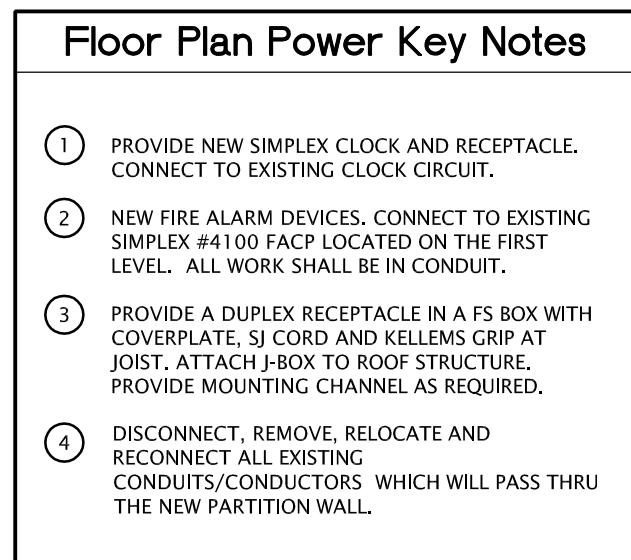


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Project	WSU # 040-284897 ART ROOMS 254 & 254 RENOVATION 150 ART BUILDING DETROIT, MI 48202
Drawing Title FLOOR PLAN	
Check Scale (may be photo reduced) 	
Project No.	JCDT16-0247
Drawing No.	E1-01

[illegible]

2 FLOOR PLAN -POWER
Scale: 1/4" = 1'-0"

Drawing Title	
FLOOR PLAN - POWER	
Check Scale (may be photo reduced) 	
Project No.	JCDT16-0247
Drawing No.	E2-01