

DECATUR CITY SCHOOLS  
AUSTIN HIGH SCHOOL  
CAREER TECH CENTER  
DECATUR, ALABAMA

INDEX OF DRAWINGS

ARCHITECTURAL

- A-0.1 DEMOLITION FLOOR PLAN
- A-1.1 LIFE SAFETY PLAN
- A-1.2 FIRST FLOOR PLAN
- A-2.1 DOOR SCHEDULE, FINISH SCHEDULE, MISC. DETAILS
- A-3.1 REFLECTED CEILING PLAN & FINISH FLOOR PLAN
- A-4.1 ROOF PLAN & DETAILS

STRUCTURAL

- S-1.0 ROOF STRUCTURE REINFORCEMENT PLAN

PLUMBING

- P-1.1 PLUMBING DEMOLITION FLOOR PLAN
- P-2.1 PLUMBING RENOVATION FLOOR PLAN
- P-2.2 PLUMBING RENOVATION ENLARGED FLOOR PLAN
- P-3.1 PLUMBING SCHEDULES
- P-4.1 HOT WATER RISER DIAGRAMS
- P-5.1 COLD WATER RISER DIAGRAMS
- P-6.1 WASTE & VENT DIAGRAMS
- P-7.1 PLUMBING DETAILS

MECHANICAL

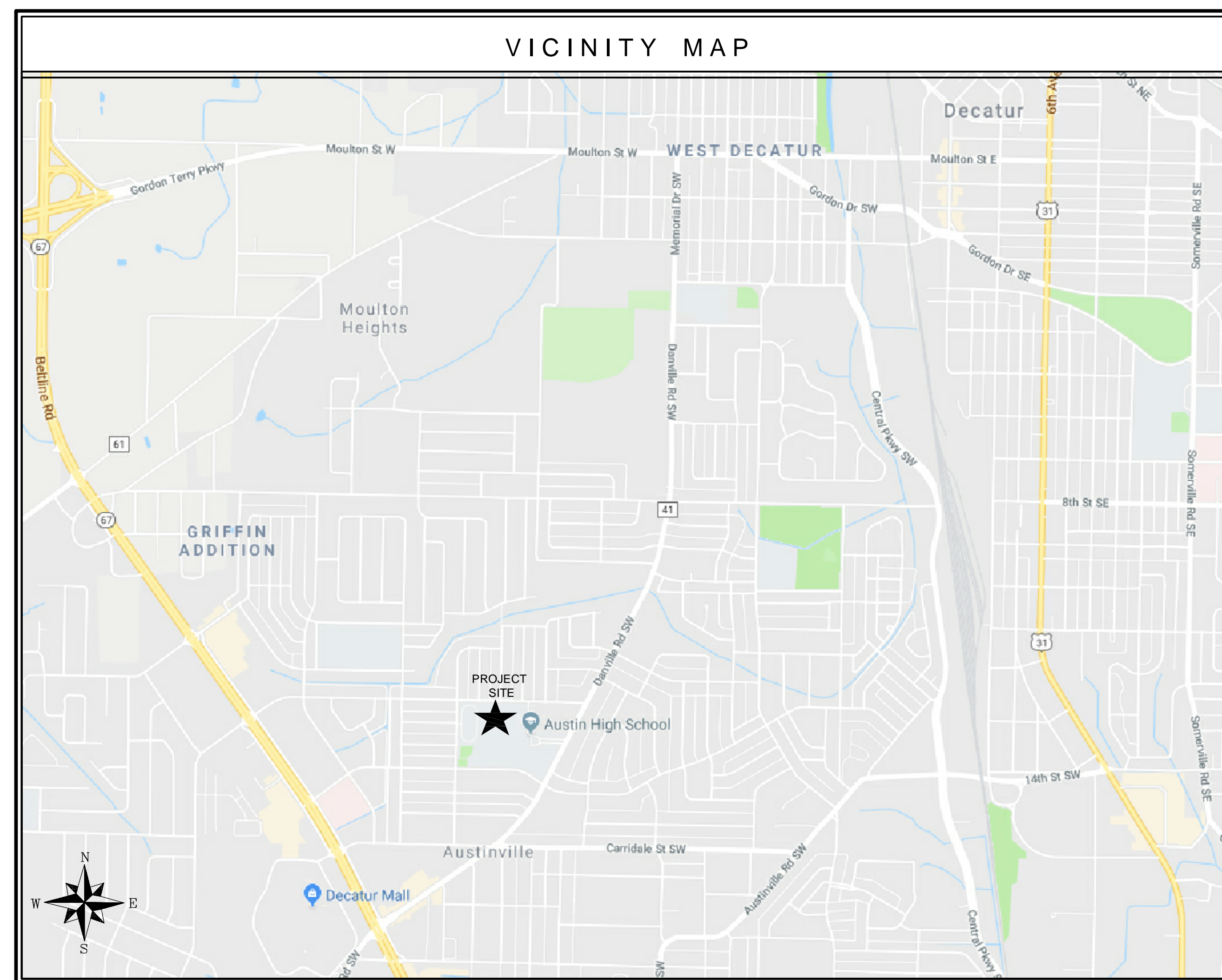
- M-1.1 MECHANICAL DEMOLITION ROOF PLAN
- M-1.2 MECHANICAL DEMOLITION FLOOR PLAN
- M-2.1 MECHANICAL ROOF PLAN
- M-2.2 MECHANICAL RENOVATION FLOOR PLAN
- M-3.1 MECHANICAL SCHEDULES
- M-3.2 MECHANICAL SCHEDULES
- M-4.1 MECHANICAL DETAILS

ELECTRICAL

- E-0.1 ELECTRICAL LEGEND
- E-0.2 ELECTRICAL DETAILS
- E-0.3 ELECTRICAL DETAILS
- E-0.4 ELECTRICAL SINGLE LINE DIAGRAM
- E-1.0 FLOOR PLAN - DEMOLITION
- E-2.0 FLOOR PLAN - LIGHTING
- E-3.0 FLOOR PLAN POWER & AUXILIARY
- E-4.0 FLOOR PLAN - HVAC EQUIPMENT CONNECTIONS
- E-5.0 SITE PLAN - ELECTRICAL

# DECATUR CITY SCHOOLS AUSTIN HIGH SCHOOL CAREER TECH CENTER DECATUR, ALABAMA

NOLA | VANPEURSEM ARCHITECTS PROJECT NUMBER 17922  
ALABAMA BUILDING COMMISSION NUMBER 2018112



DECATUR CITY SCHOOLS  
BOARD OF EDUCATION

KAREN DUKE  
PRESIDENT OF THE BOARD

DONNIE LANE  
VICE-PRESIDENT

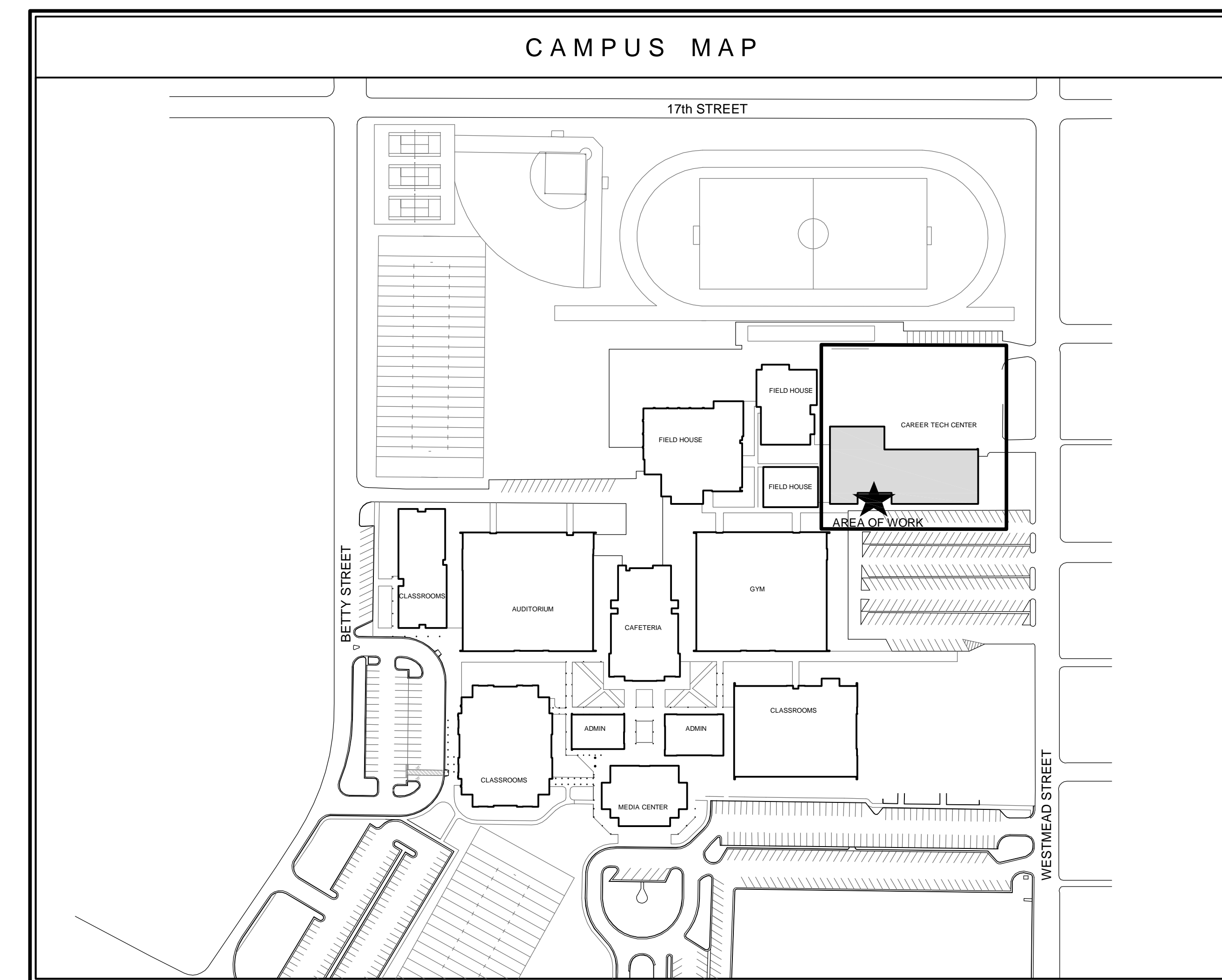
PEGGY BAGGETT

DWIGHT JETT, JR.

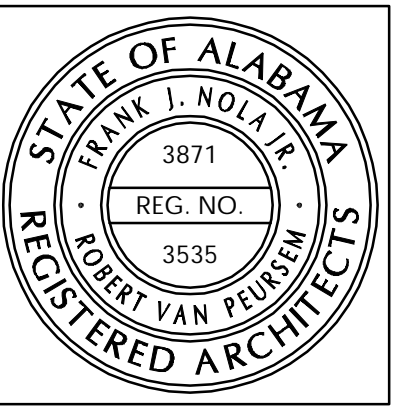
MICHELE GRAY KING

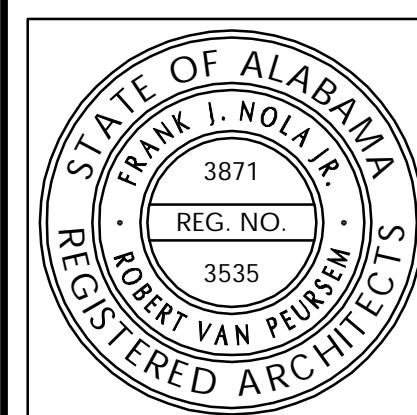
MELANIE MAPLES  
CHIEF FINANCIAL OFFICER

DR. MICHAEL DOUGLAS  
SUPERINTENDENT



ARCHITECT	STRUCTURAL ENGINEER	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	APRIL 25, 2018
NOLA VANPEURSEM ARCHITECTS, P.C. 301 JEFFERSON STREET HUNTSVILLE, ALABAMA 35801 (256) 533-6617	PEC STRUCTURAL ENGINEERING 3005 L&N DRIVE, SUITE 3 HUNTSVILLE, ALABAMA 35801 (256) 533-3042	MIMS ENGINEERING 112-B SOUTHSIDE SQUARE HUNTSVILLE, ALABAMA 35801 (256) 881-4126	THE EE GROUP, INC. 71 THUNDERBIRD LANE GADSDEN, ALABAMA 35904 (256) 413-7717	SET NUMBER

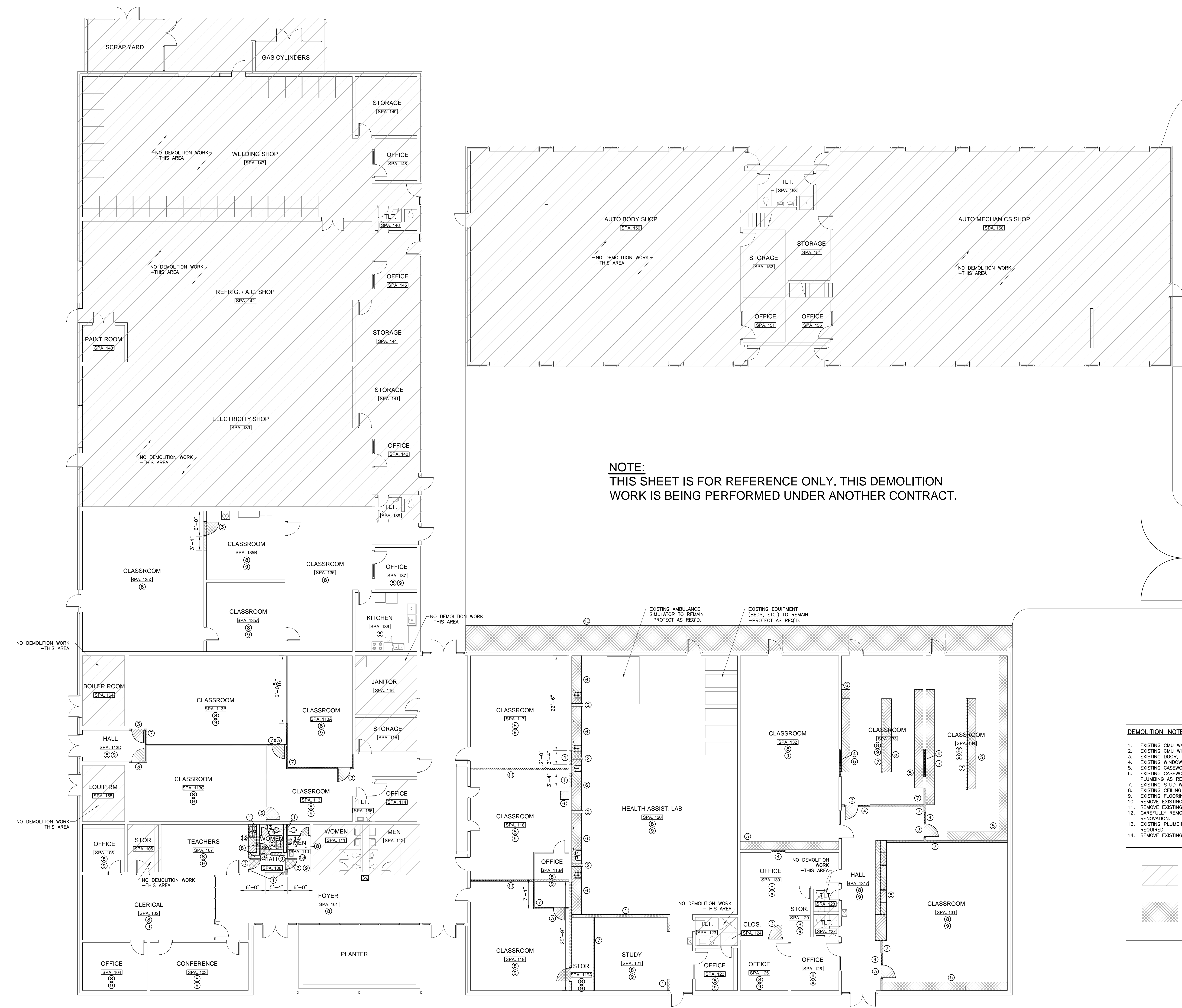




**NOLA VANPEURSEM**  
 ARCHITECTS, P.C.  
 MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
 301 JEFFERSON STREET  
 FLORENCE, ALABAMA 36601  
 (205) 533-6877  
 NYV-ARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPEURSEM ARCHITECTS

DECATUR CITY SCHOOLS  
 AUSTIN HIGH SCHOOL  
 CAREER TECH CENTER  
 DECATUR, ALABAMA



**NOTE:**  
 THIS SHEET IS FOR REFERENCE ONLY. THIS DEMOLITION WORK IS BEING PERFORMED UNDER ANOTHER CONTRACT.

**DEMOLITION NOTES:**

- EXISTING CMU WALL TO BE REMOVED.
- EXISTING CMU WING WALL TO BE REMOVED.
- EXISTING DOOR, FRAME, AND HARDWARE TO BE REMOVED.
- EXISTING WINDOW TO BE REMOVED.
- EXISTING CASEWORK TO BE REMOVED.
- EXISTING CASEWORK TO BE REMOVED. CAP ELECTRICAL, GAS & PLUMBING AS REQUIRED.
- EXISTING STUD WALL TO BE REMOVED.
- EXISTING CEILING TILE & GRID TO BE REMOVED.
- EXISTING FLOORING TO BE REMOVED.
- REMOVE EXISTING SIDEWALK.
- REMOVE EXISTING OPERABLE PARTITION AND TRACK.
- CAREFULLY REMOVE EXISTING CASEWORK. TO BE RELOCATED DURING RENOVATION.
- EXISTING PLUMBING FIXTURES TO BE REMOVED. CAP PLUMBING AS REQUIRED.
- REMOVE EXISTING PARTITIONS.

NO WORK DONE  
 EXTENT OF ITEM(S) TO BE REMOVED

**1 DEMOLITION FLOOR PLAN**  
 SCALE: 1/8"=1'-0"  
 A-0.1  
 NOTE: FOR REFERENCE ONLY

JOB NUMBER  
**17922**

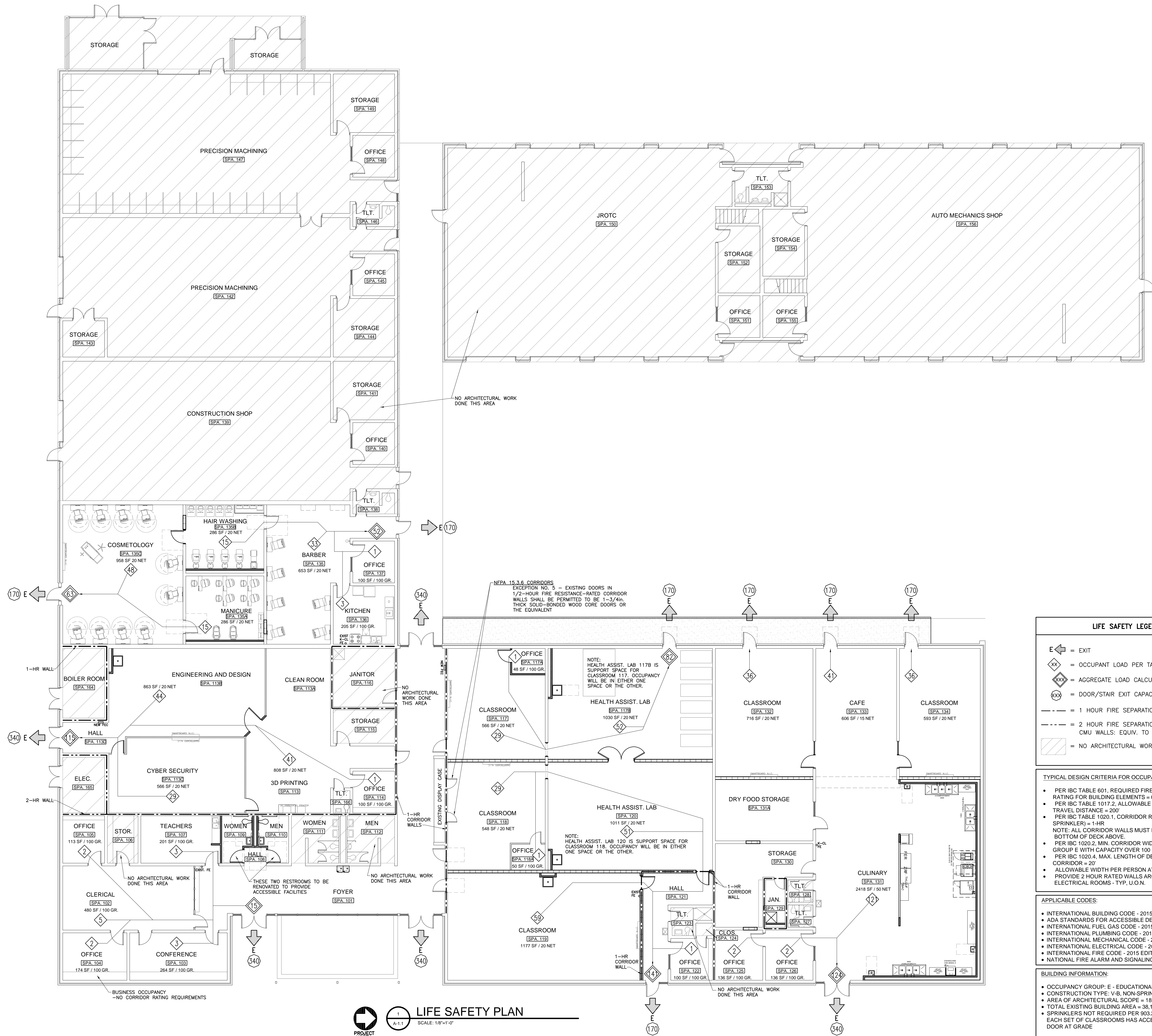
SPW / CKJ / 08-25-2011  
 DRAWN / CHECKED / DATE

REVISIONS

NO.	DESCRIPTION	DATE

SHEET TITLE  
 DEMOLITION FLOOR PLAN

SHEET NUMBER  
 A-0.1  
 OF



**LIFE SAFETY PLAN**  
 SCALE: 1/8"=1'-0"  
 PROJECT NORTH

**LIFE SAFETY LEGEND**

- E ← = EXIT
- XX = OCCUPANT LOAD PER TABLE 1004.1.1
- XXX = AGGREGATE LOAD CALCULATION
- XXX = DOOR/STAIR EXIT CAPACITY
- = 1 HOUR FIRE SEPARATION
- = 2 HOUR FIRE SEPARATION CMU WALLS: EQUIV. TO UL #U905
- /// = NO ARCHITECTURAL WORK - THIS AREA

**TYPICAL DESIGN CRITERIA FOR OCCUPANCY TYPE E:**

- PER IBC TABLE 601, REQUIRED FIRE RESISTANCE RATING FOR BUILDING ELEMENTS = 0
- PER IBC TABLE 1017.2, ALLOWABLE EXIT ACCESS TRAVEL DISTANCE = 200'
- PER IBC TABLE 1020.1, CORRIDOR RATING (WITHOUT SPRINKLER) = 1-HR
- NOTE: ALL CORRIDOR WALLS MUST EXTEND TO THE BOTTOM OF DECK ABOVE.
- PER IBC 1020.2, MIN. CORRIDOR WIDTH FOR GROUP E WITH CAPACITY OVER 100 = 72"
- PER IBC 1020.4, MAX. LENGTH OF DEAD-END CORRIDOR = 20'
- ALLOWABLE WIDTH PER PERSON AT DOORS = 2
- PROVIDE 2 HOUR RATED WALLS AROUND ALL ELECTRICAL ROOMS - TYP. U.O.N.

**APPLICABLE CODES:**

- INTERNATIONAL BUILDING CODE - 2015 EDITION
- ADA STANDARDS FOR ACCESSIBLE DESIGN - 2010 EDITION
- INTERNATIONAL FUEL GAS CODE - 2015 EDITION
- INTERNATIONAL PLUMBING CODE - 2015 EDITION
- INTERNATIONAL MECHANICAL CODE - 2015 EDITION
- INTERNATIONAL ELECTRICAL CODE - 2014 EDITION
- INTERNATIONAL FIRE CODE - 2015 EDITION
- NATIONAL FIRE ALARM AND SIGNALING CODE - 2013 EDITION

**BUILDING INFORMATION:**

- OCCUPANCY GROUP: E - EDUCATIONAL - 1 STORY
- CONSTRUCTION TYPE: V-6, NON-SPRINKLERED
- AREA OF ARCHITECTURAL SCOPE = 18,891 SF
- TOTAL EXISTING BUILDING AREA = 38,114 SF
- SPRINKLERS NOT REQUIRED PER 903.2, EXCEPTION SINCE EACH SET OF CLASSROOMS HAS ACCESS TO AN EXTERIOR DOOR AT GRADE

**STATE OF ALABAMA**  
 3871  
 REG. NO. 5535  
 REGISTERED ARCHITECT

**NOLA VANPURSEM**  
 ARCHITECTS, PC  
 MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
 300 JEFFERSON STREET  
 HOUSTONVILLE, ALABAMA 36041  
 (256) 633-6877  
 NVA-ARCHITECTS.COM

**DECATUR CITY SCHOOLS**  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
 DECATUR, ALABAMA

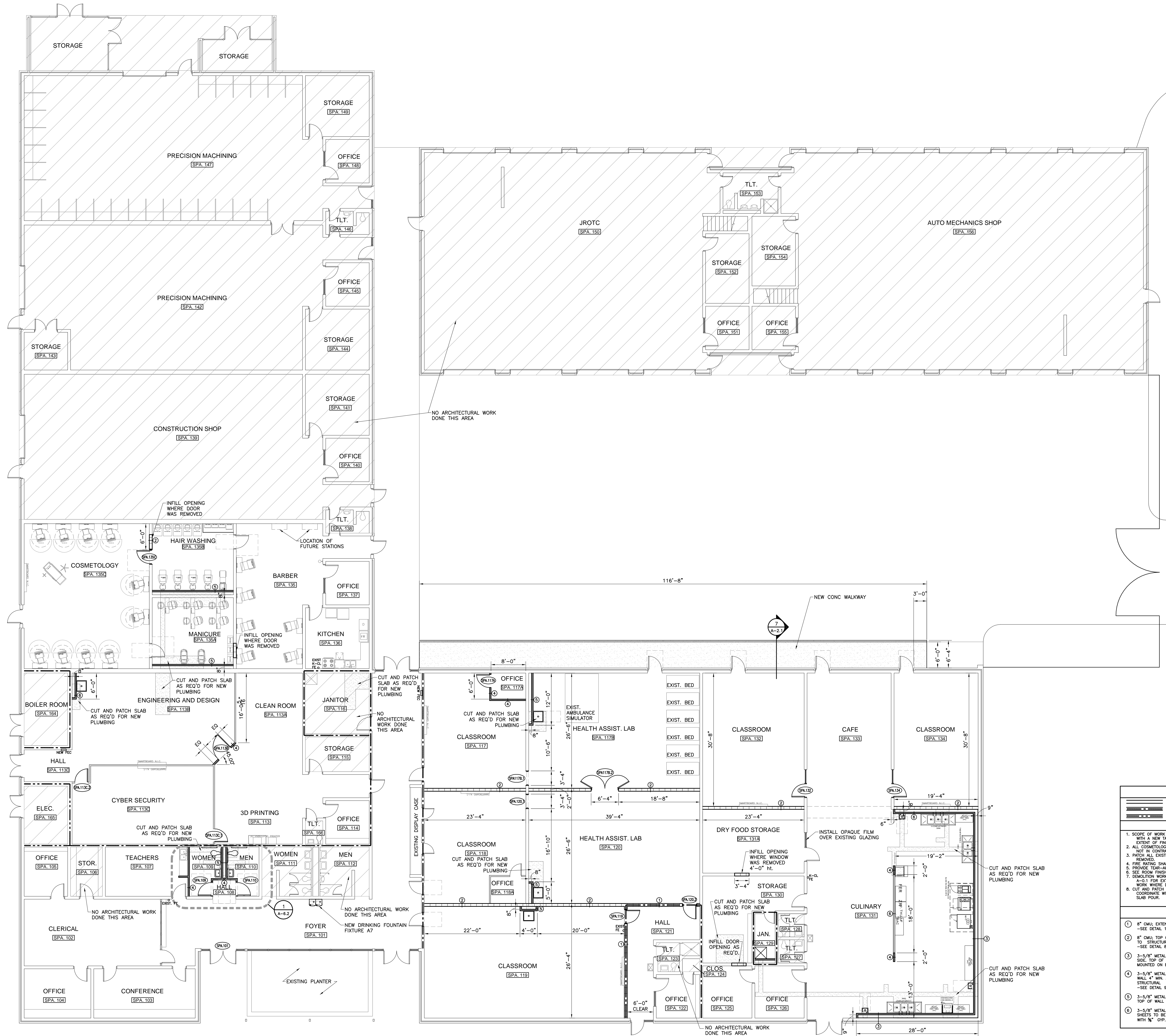
JOB NUMBER  
**17922**

DRAWN / CHECKED / DATE  
 SPW / CKJ / 08-20-2011

REVISIONS

SHEET TITLE  
 LIFE SAFETY PLAN

SHEET NUMBER  
**A-1.1**  
 OF



**FIRST FLOOR PLAN**  
 SCALE: 1/8"=1'-0"  
 PROJECT NORTH

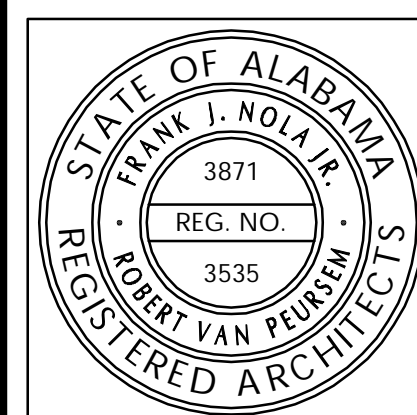
FIRE-RATING LEGEND	
	NON-RATED WALL ASSEMBLY
	ONE-HOUR RATED WALL ASSEMBLY
	TWO-HOUR RATED WALL ASSEMBLY

GENERAL NOTES	
1.	SCOPE OF WORK IS CONFINED TO AREAS SHOWN. WALLS AND DOORS NOT IDENTIFIED WITH A NEW TAG ARE EXISTING TO REMAIN. REFER TO FINISH SCHEDULE FOR EXTENT OF FINISH WORK REQUIRED IN WORK AREAS.
2.	ALL COSMETOLOGY AND CULINARY EQUIPMENT IS TO BE PROVIDED BY OWNER AND IS NOT IN CONTRACT.
3.	PREP ALL EXISTING PARTITIONS WHERE DUCTWORK OR EQUIPMENT HAS BEEN REMOVED.
4.	FIRE RATING SHALL CONTINUE ACROSS DOOR HEADERS.
5.	PROVIDE TEAR-AWAY BEAD AT ALL CORNER INTERSECTIONS BETWEEN CMU & GYP. BD.
6.	SEE ROOM FINISH SCHEDULE FOR LOCATIONS OF ALL TILE.
7.	DEMOLITION WORK BEING DONE UNDER ANOTHER CONTRACT. REFER TO DEMO PLAN A-0.1 FOR EXTENT OF WORK. THE CONTRACTOR IS TO PATCH AND REPAIR ALL WORK WHERE DEMOLITION OCCURS.
8.	CUT AND PATCH EXISTING CONCRETE SLABS AS REQUIRED FOR NEW PLUMBING. COORDINATE WITH PLUMBING DRAWINGS. INSTALL NEW VAPOR BARRIER PRIOR TO SLAB POUR.

WALL TYPES	
1	8" CMU; EXTEND TO BOTTOM OF STRUCTURAL DECK OR RATED ASSEMBLY -SEE DETAIL 10/A-2.1
2	8" CMU; TOP OF WALL 8" MIN. ABOVE HIGHEST ADJACENT CEILING HEIGHT. BRACE TO STRUCTURAL, WHERE REQUIRED. -SEE DETAIL 9/A-2.1
3	3-5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER OF 5/8" GYP. BD. ON FIXTURE SIDE. TOP OF WALL 4" ABOVE CEILING. 8" AIR SPACE WITH 1" RIGID INSULATION MOUNTED ON EXISTING WALL, EXTEND TO BOTTOM OF STRUCTURAL DECK. -SEE DETAIL 9/A-2.1
4	3-5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. EACH SIDE. TOP OF WALL 4" ABOVE CEILING UNLESS OTHERWISE SHOWN ON ELEVATIONS. -SEE DETAIL 9/A-2.1
5	3-5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. ON FIXTURE SIDE. TOP OF WALL 4" ABOVE CEILING UNLESS OTHERWISE SHOWN ON ELEVATIONS. -SEE DETAIL 9/A-2.1
6	3-5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. EACH SIDE. FSP SHEETS TO BE APPLIED TO GYP. BD. TOP OF WALL AT 7'-0" A.F.F. CAP WALL WITH 5/8" GYP. BD.



**NOLA VANPURSEM**  
 ARCHITECTS, PC  
 MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
 300 JEFFERSON STREET  
 HOUSTON, TEXAS 77002  
 (281) 533-6677  
 NY@VANPURSEM.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPURSEM ARCHITECTS

**DECATUR CITY SCHOOLS**  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
 DECATUR, ALABAMA

JOB NUMBER  
**17922**

SPW / CKJ / 06-25-2011  
 DRAWN - CHECKED - DATE

REVISIONS

SHEET TITLE

FIRST FLOOR PLAN

SHEET NUMBER  
**A-1.2**  
 OF



REVISIONS

**REFLECTED CEILING PLAN GENERAL NOTES:**

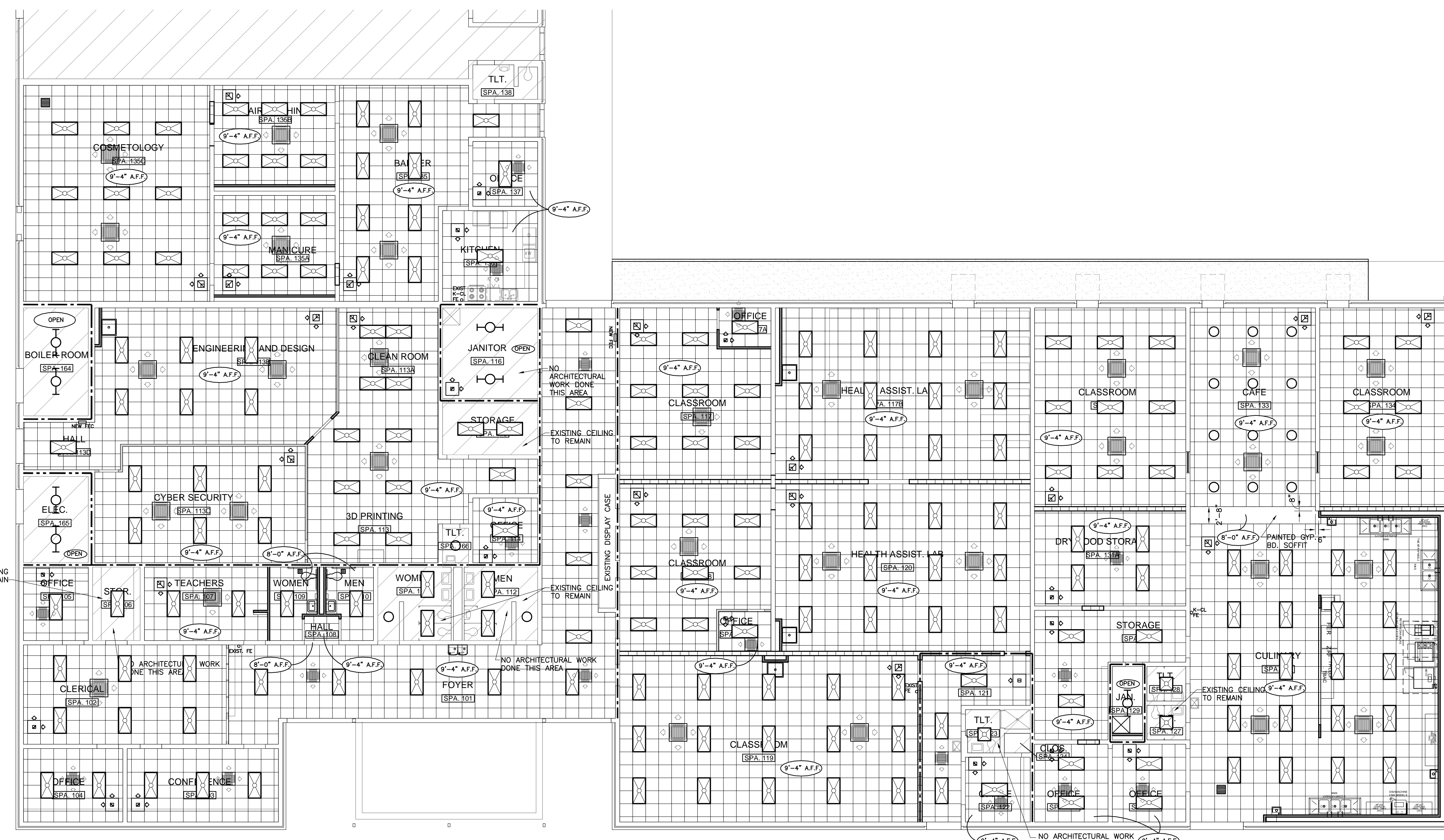
1. LIGHTS AND DIFFUSERS ARE SHOWN ON REFLECTED CEILING PLANS FOR LOCATION AND COORDINATION PURPOSES ONLY. PLEASE REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR FURTHER INFORMATION. ANY DISCREPANCIES SHALL BE VERIFIED WITH ARCHITECT.

2. ALL HEIGHTS SHOWN ARE ABOVE FINISHED FLOOR ELEVATION.

**TYPICAL CLASSROOM NOTES:**

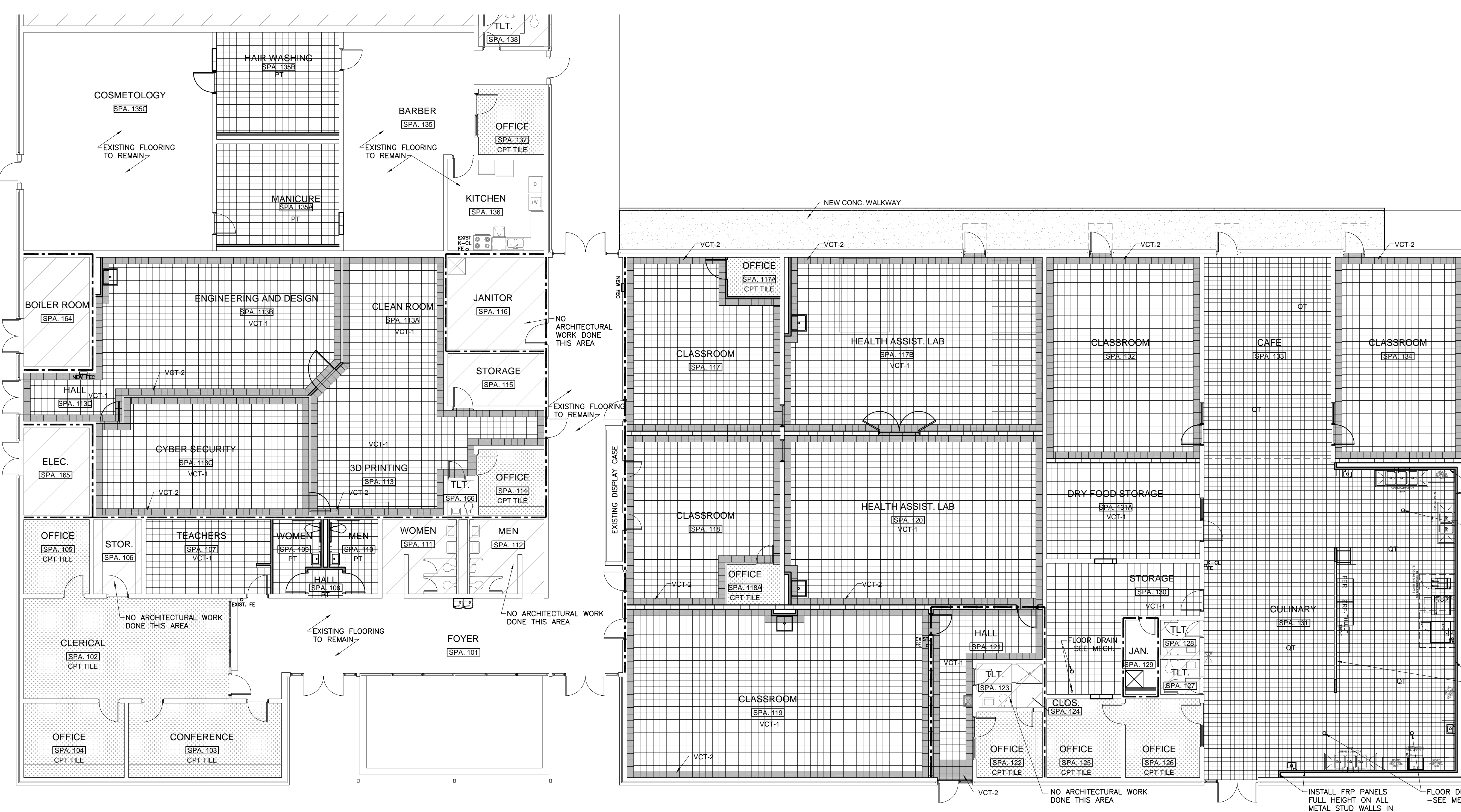
1. COORDINATE MAIN CEILING GRID RUNNERS TO AVOID THE LOCATION OF NEW MECHANICAL CEILING CASSETTE UNITS. REFER TO MECHANICAL DRAWINGS FOR UNIT LOCATIONS.

REFLECTED CEILING PLAN - SYMBOL LEGEND	
	SUPPLY DIFFUSER (SEE MECHANICAL DWGS.)
	RETURN AIR GRILLE (SEE MECHANICAL DWGS.)
	EXHAUST GRILLE (SEE MECHANICAL DWGS.)
	2x4 FLUORESCENT LIGHT
	ILLUMINATED EXIT SIGN (SEE ELECTRICAL DWGS.)
	WALL MOUNTED LIGHT
	RECESSED LIGHT
	CEILING MOUNT OR WALL MOUNT 4' FLUORESCENT STRIP LIGHT
	CEILING HEIGHT, A.F.F.



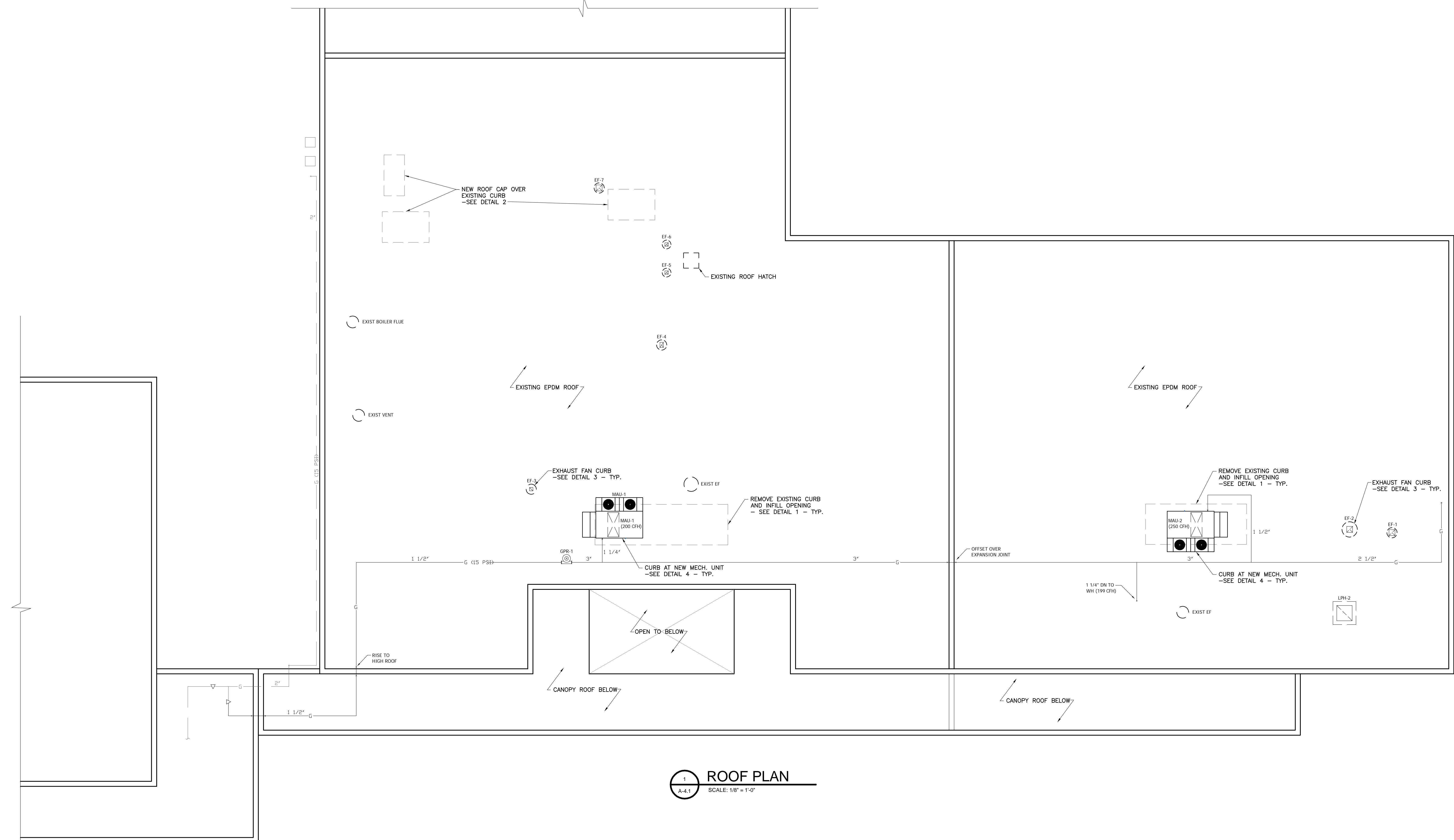
**REFLECTED CEILING PLAN**  
 SCALE: 1/8"=1'-0"  
 PROJECT NORTH

LEGEND AND GENERAL NOTES	
	VCT 1
	VCT 2
NOTE: FLOOR PATTERN STARTING AND LAYOUT POINTS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.	
PROVIDE "SCHLITERS" THRESHOLDS AT ALL TRANSITIONS FROM VCT TO PORCELAIN TILE AT ALL DOOR OPENINGS EXCEPT WHERE NOTED.	
PROVIDE "SCHLITERS" THRESHOLDS AT TRANSITION FROM VCT TO PORCELAIN TILE AT ROLL-DOWN SECURITY GRILLE AT CAFETERIA, ALL ENTRANCES AND BELOW DRINKING FOUNTAINS.	
SEE ROOM FINISH SCHEDULE FOR ROOMS NOT NOTED WITH FLOOR FINISH & ANY OTHER ADDITIONAL INFORMATION. IF NOT SPECIFICALLY NOTED, VCT OR PT COLOR SHALL BE COLOR 1.	
CENTER PATTERNS IN ROOMS IN EACH DIRECTION. TYPICAL VCT BORDER TILE SHALL BE ONE FULL TILE, UNLESS SHOWN OTHERWISE. (FIELD TILES ARE CUT AS REQUIRED).	
FLOOR FINISH SHALL EXTEND BELOW ALL APPLIANCES (SUCH AS WASHER, DRYER, REF., ETC.).	

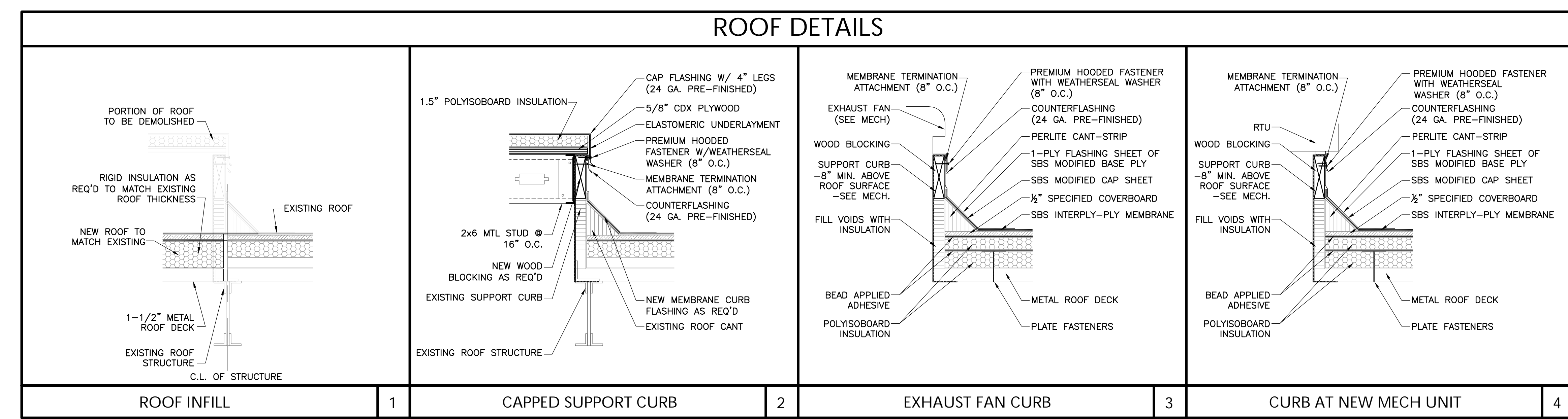


**FINISH FLOOR PLAN**  
 SCALE: 1/8"=1'-0"  
 PROJECT NORTH

NO.	REVISIONS



**1 ROOF PLAN**  
SCALE: 1/8" = 1'-0"



- NOTES:**  
1. REFER TO MECHANICAL DRAWINGS FOR ALL ROOF MOUNTED EQUIPMENT.  
2. REFER TO STRUCTURAL DRAWING FOR FRAMING REQUIREMENTS WHERE EXISTING CURBS ARE REMOVED.  
3. NEW ROOF CURBS, FRAMING, AND CURB CAPS ARE BY THIS CONTRACTOR. COORDINATE WITH OWNER'S ROOFING CONSULTANT FOR REQUIRED ROOF REPAIRS AND ROOFING TIE-IN CONNECTIONS.

**2 ROOF DETAILS**  
SCALE: 1-1/2" = 1'-0"

**GENERAL NOTES:**

- GN-1 GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO STARTING WORK.
- GN-2 GENERAL CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND GRADE CONDITIONS (NEW AND EXISTING). GENERAL CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO STARTING WORK. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR WORK FITTING INTENDED BY THE DRAWINGS AND SPECIFICATIONS.
- GN-3 THE STRUCTURE SHOWN HEREIN HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATION OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE.
- GN-4 THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- GN-5 THE STRUCTURAL DRAWINGS ARE NOT INTENDED FOR USE AS SHOP ERECTION DRAWINGS. REPRODUCTION OF THESE DRAWINGS IN LIEU OF PREPARATION OF SHOP ERECTION DRAWINGS IS NOT ACCEPTABLE. SHOP DRAWINGS SHALL BE THOROUGHLY DETAILED AND CLEAR FOR ALL DIFFERENT CONDITIONS.
- GN-6 SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION AND SIZE OF PENETRATIONS/OPENINGS IN ROOF DECK AND FLOOR SLABS.
- GN-7 REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISHES AND DIMENSIONS NOT SHOWN HEREIN.
- GN-8 PROVIDE ADEQUATE STRUCTURAL FRAMING AS APPROVED BY THE ENGINEER FOR ALL REQUIRED MECHANICAL OPENINGS THROUGH SLABS, WALLS, FLOOR DECK, ETC. SUPPORT ALL MECHANICAL EQUIPMENT. OPENINGS SHALL NOT BE PERMITTED THROUGH BEAMS UNLESS SPECIFICALLY DETAILED BY THE ENGINEER.

**STRUCTURAL STEEL:**

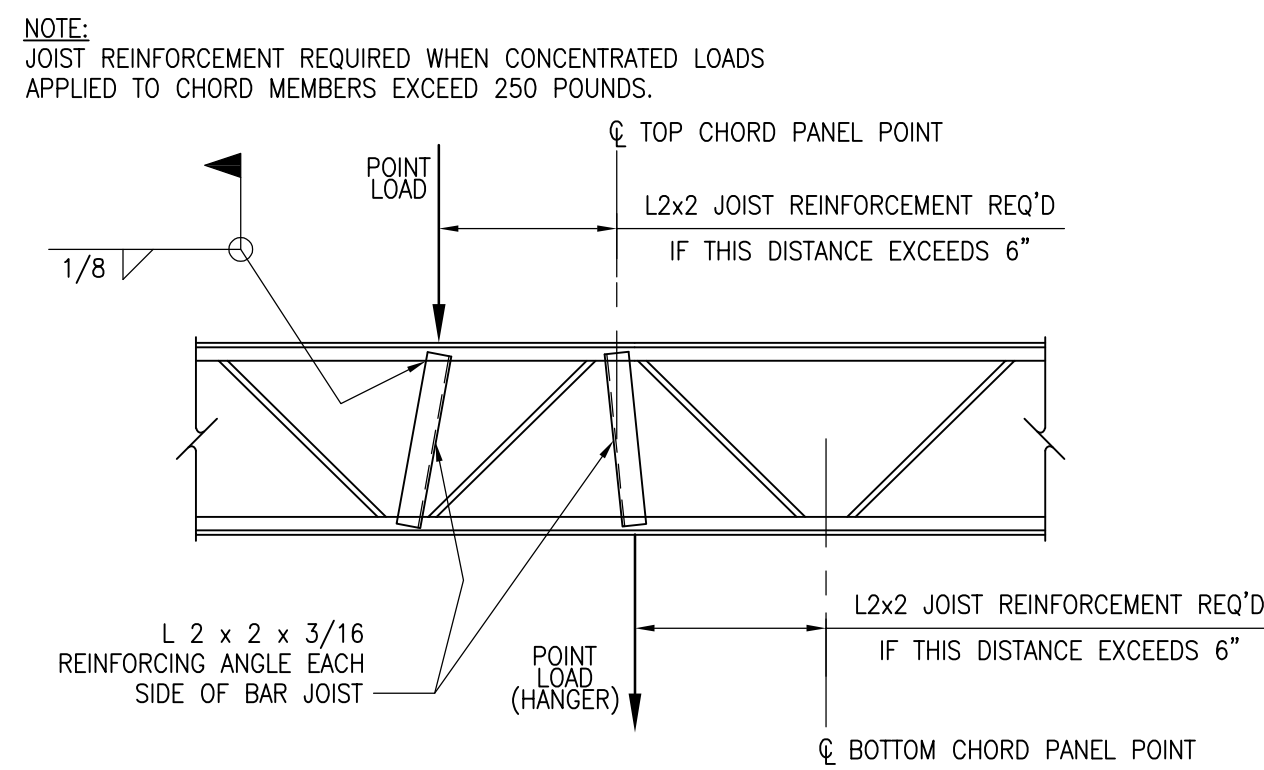
- SS-1 FABRICATION AND ERECTION OF ALL STEEL SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- SS-2 UNLESS NOTED OTHERWISE, STRUCTURAL STEEL SHAPES SHALL BE A.S.T.M. A992 (GRADE 50) OR A.S.T.M. A572, GRADE 50. STEEL PLATES AND ANGLES SHALL BE A.S.T.M. A36. STRUCTURAL STEEL FOR ROUND PIPE MEMBERS SHALL BE A.S.T.M. A513, TYPE E, GRADE B, OR A.S.T.M. A501. STRUCTURAL STEEL FOR RECTANGULAR TUBE MEMBERS SHALL BE A.S.T.M. A500, GRADE B. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST A.I.S.C. SPECIFICATIONS.
- SS-3 ALL WELDS SHALL BE MADE USING E 70XX ELECTRODES CONFORMING TO THE AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE" D1.1-90 WITH LATEST REVISIONS. MINIMUM FILLET WELD SIZE IS 3/16" FOR STRUCTURAL STEEL BUT SHALL NOT BE LESS THAN TABLE J2.4 IN ASD 9TH EDITION.
- SS-4 UNLESS NOTED OTHERWISE, STRUCTURAL STEEL SHALL BE CLEANED TO SSPC-SP3 AND SHOP PAINTED WITH ONE COAT OF SHOP PRIMER PAINT. DRY PAINT THICKNESS SHALL BE A MINIMUM OF 1.5 MILS THICK.
- SS-5 STEEL FABRICATOR SHALL PROVIDE COMPLETE ERECTION AND FABRICATION DRAWINGS SHOWING ALL MEMBERS AND CONNECTIONS.

**METAL DECK:**

- MD-1 PAINTED STEEL ROOF DECK SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM A611 (GRADES C, D, OR E) OR FROM A653-94 STRUCTURAL QUALITY GRADE 33 OR HIGHER.
- MD-2 METAL DECKING SHALL BE COVERED WITH A WATERPROOF COVERING DURING SHIPPING. METAL DECKING SHALL BE STORED OFF THE GROUND AND COVERED WITH A WATERPROOF COVERING.
- MD-3 DECK SHALL BE INSTALLED ACROSS A MINIMUM OF 2 BEAM/JOIST SPACES. DECK SHALL NOT BE INSTALLED AS A SINGLE SPAN CONDITION.

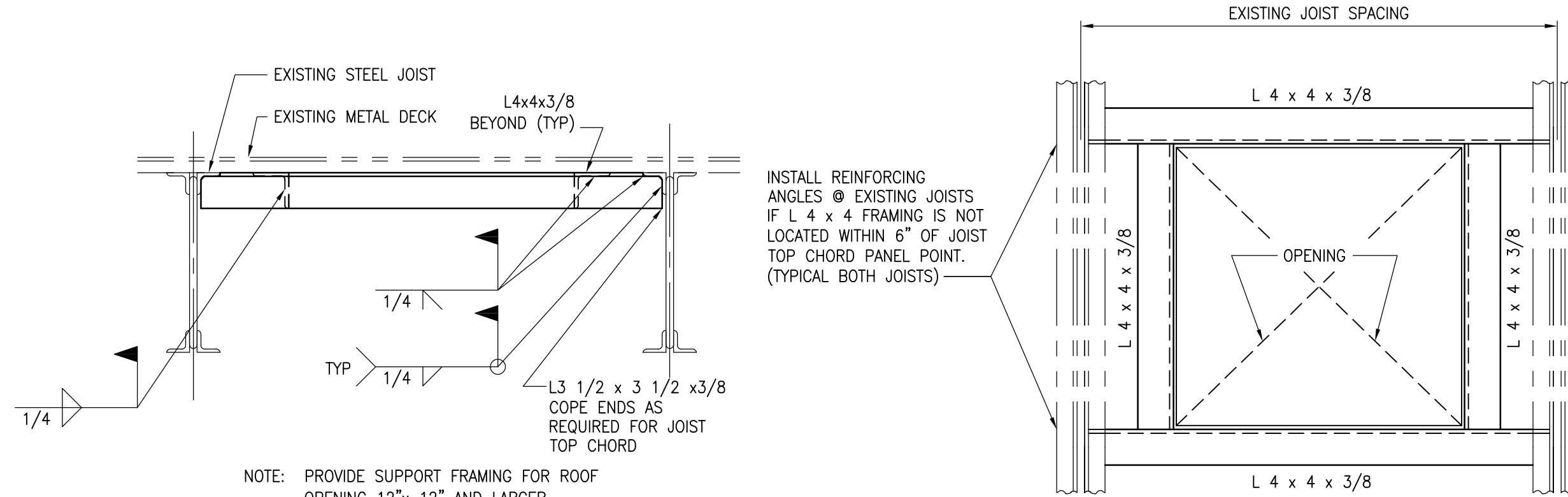
**SPECIAL INSPECTIONS:**

- SI-1 STRUCTURAL FRAMING INCLUDED IN THIS PROJECT IS OF A MINOR NATURE. SECTION 1704 OF THE INTERNATIONAL BUILDING CODE STATES THAT SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WORK OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL. THEREFORE, SPECIAL INSPECTIONS ARE NOT REQUIRED FOR THE STRUCTURAL FRAMING INCLUDED IN THIS PROJECT.



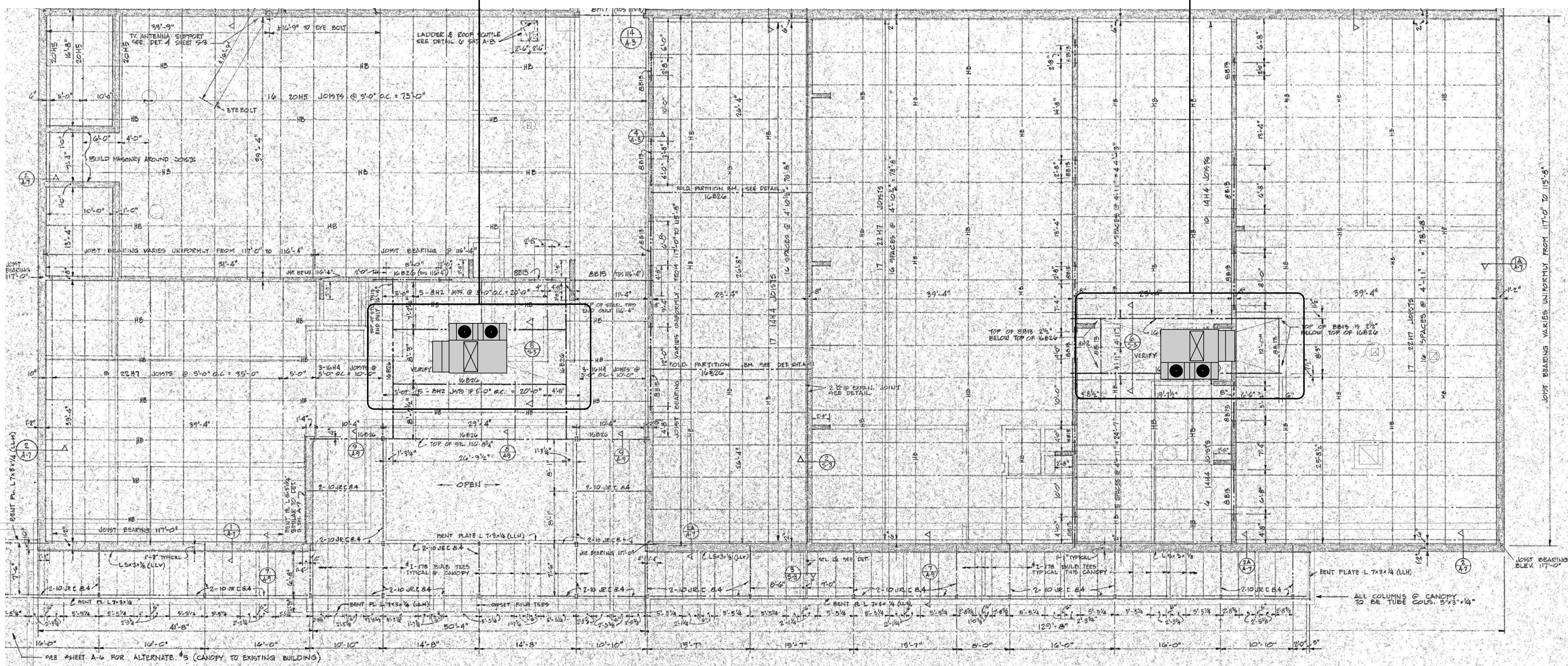
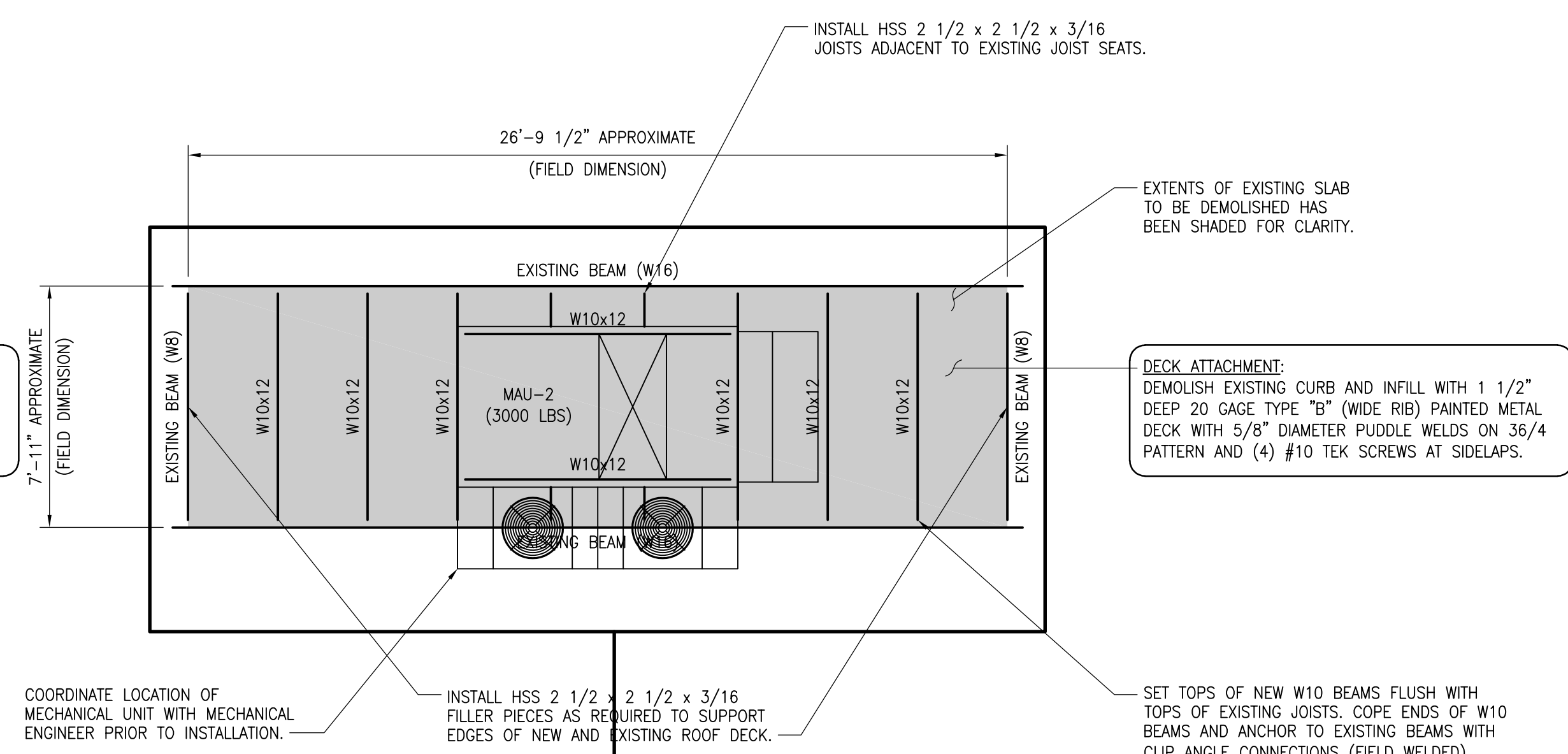
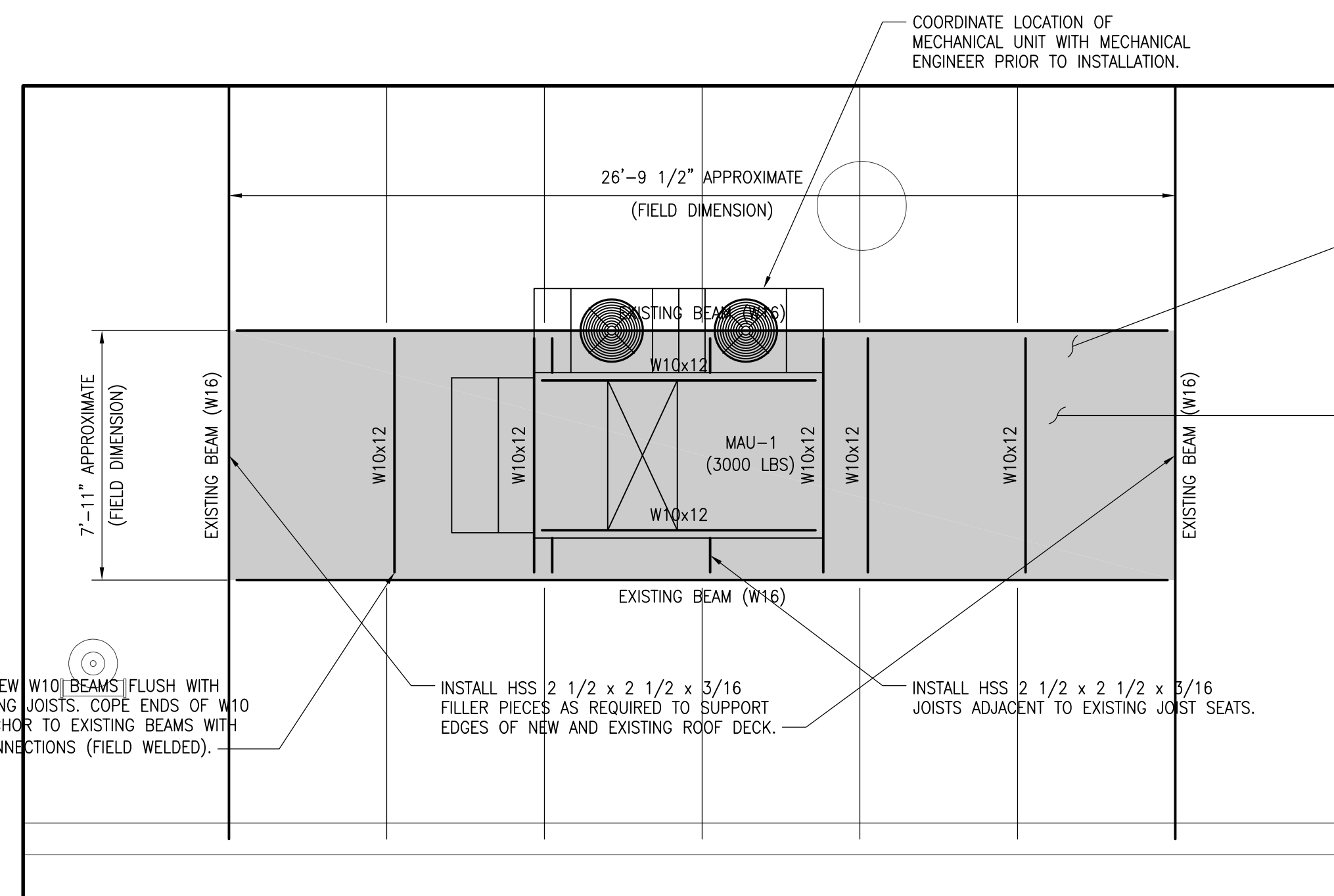
**STEEL JOIST REINFORCEMENT @ CONCENTRATED LOADS**

DETAIL TYP S-1.0 N.T.S.



**ROOF OPENING SUPPORT FRAMING**

DETAIL TYP S-1.0 N.T.S.



**ROOF STRUCTURE REINFORCEMENT PLAN**

SCALE: 1/8" = 1'-0"

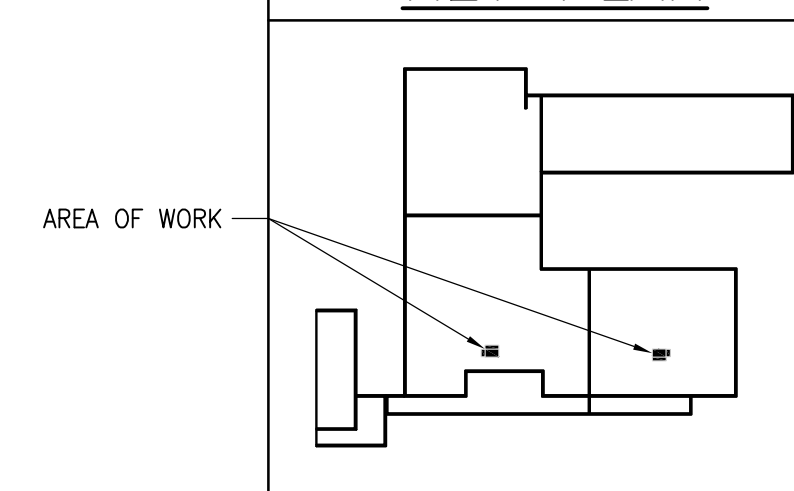
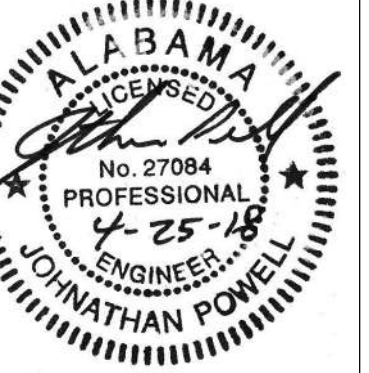
- NOTES:**
1. PROVIDE SUPPORT FRAMING FOR ROOF OPENING 12'-0" x 12'-0" AND LARGER.
  2. COORDINATE STEEL DIMENSIONS WITH STRUCTURAL ENGINEER DURING SHOP DRAWINGS SUBMITTALS. FIELD VERIFY EXISTING FRAMING.
  3. THE FRAMING INFORMATION PRESENTED IN THESE PLANS CONSIST OF AN IMAGE COPIED FROM THE ORIGINAL DRAWINGS. THE FRAMING INFORMATION PROVIDED HAS BEEN INTENDED TO BE USED AS A REFERENCE ONLY.

**PEC STRUCTURAL ENGINEERING, INC. SCOPE OF WORK**

PEC STRUCTURAL ENGINEERING, INC.'S (PEC) SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO THE ANALYSIS OF THE STRUCTURAL FRAMING SPECIFICALLY IDENTIFIED ON PEC'S PROJECT DRAWINGS. PEC IS NOT RESPONSIBLE FOR ANY OTHER ASPECT OF THIS PROJECT OTHER THAN THE DESIGN OF THE STRUCTURAL FRAMING SPECIFICALLY IDENTIFIED ON PEC'S PROJECT DRAWINGS. PEC IS NOT RESPONSIBLE FOR STRUCTURAL FRAMING NOT IDENTIFIED OR DISCUSSED ON PEC'S PROJECT DRAWINGS NOR IS PEC RESPONSIBLE FOR EXISTING STRUCTURAL DESIGN NOT DIRECTLY AFFECTED BY PEC'S RECOMMENDED STRUCTURAL REINFORCEMENT.

PEC'S SCOPE OF WORK DOES NOT INCLUDE ARCHITECTURAL DESIGN, CIVIL ENGINEERING, MECHANICAL ENGINEERING, PLUMBING DESIGN, LIFE SAFETY DESIGN, EGRESS DESIGN, FIRE SUPPRESSION, OR LEAD COMPLIANCE. ANY INFORMATION OR INSTRUCTIONS RELATED TO THESE ISSUES ARE PROVIDED TO INSURE THAT DESIGN ASSUMPTIONS MADE BY PEC ARE COMMUNICATED TO THE GENERAL CONTRACTOR AND/OR OTHER DESIGN PROFESSIONALS INVOLVED WITH THIS PROJECT. PEC STRUCTURAL ENGINEERING, INC. DOES NOT GUARANTEE OR ACCEPT ANY LIABILITY FOR THE DESIGN OF ANYTHING OTHER THAN THE STRUCTURAL FRAMING SPECIFICALLY IDENTIFIED ON PEC'S PROJECT DRAWINGS.

**KEY PLAN**

**NOLA VANPURSEUM**  
ARCHITECTS, P.C.  
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
300 JEFFERSON STREET  
MONTICELLO, ALABAMA 36050  
(256) 533-6677  
NYP@ARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPURSEUM ARCHITECTS

DECATUR CITY SCHOOLS  
**AUSTIN HIGH SCHOOL CAREER TECH CENTER**  
DECATUR, ALABAMA

JOB NUMBER  
**17922**

CAT / JEP 08-25-2011

DRAWN / CHECKED / DATE

REVISONS

SHEET TITLE

ROOF STRUCTURE REINFORCEMENT PLAN

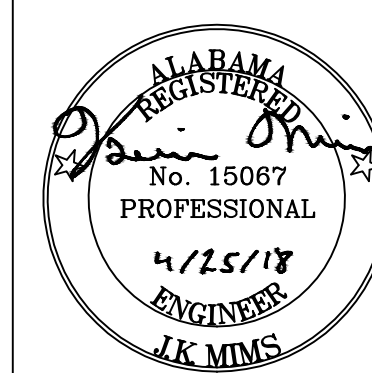
SHEET NUMBER

**S-1.0**

OF

1





**NOLA VANPEURSEM**  
ARCHITECTS, PC  
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
201 LEFFELSON STREET  
HUNTSVILLE, ALABAMA 35891  
(256) 939-8497  
NYPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPEURSEM ARCHITECTS

DECATUR CITY SCHOOLS  
**AUSTIN HIGH SCHOOL  
CAREER TECH CENTER**  
DECATUR, ALABAMA

JOB NUMBER  
**17922**

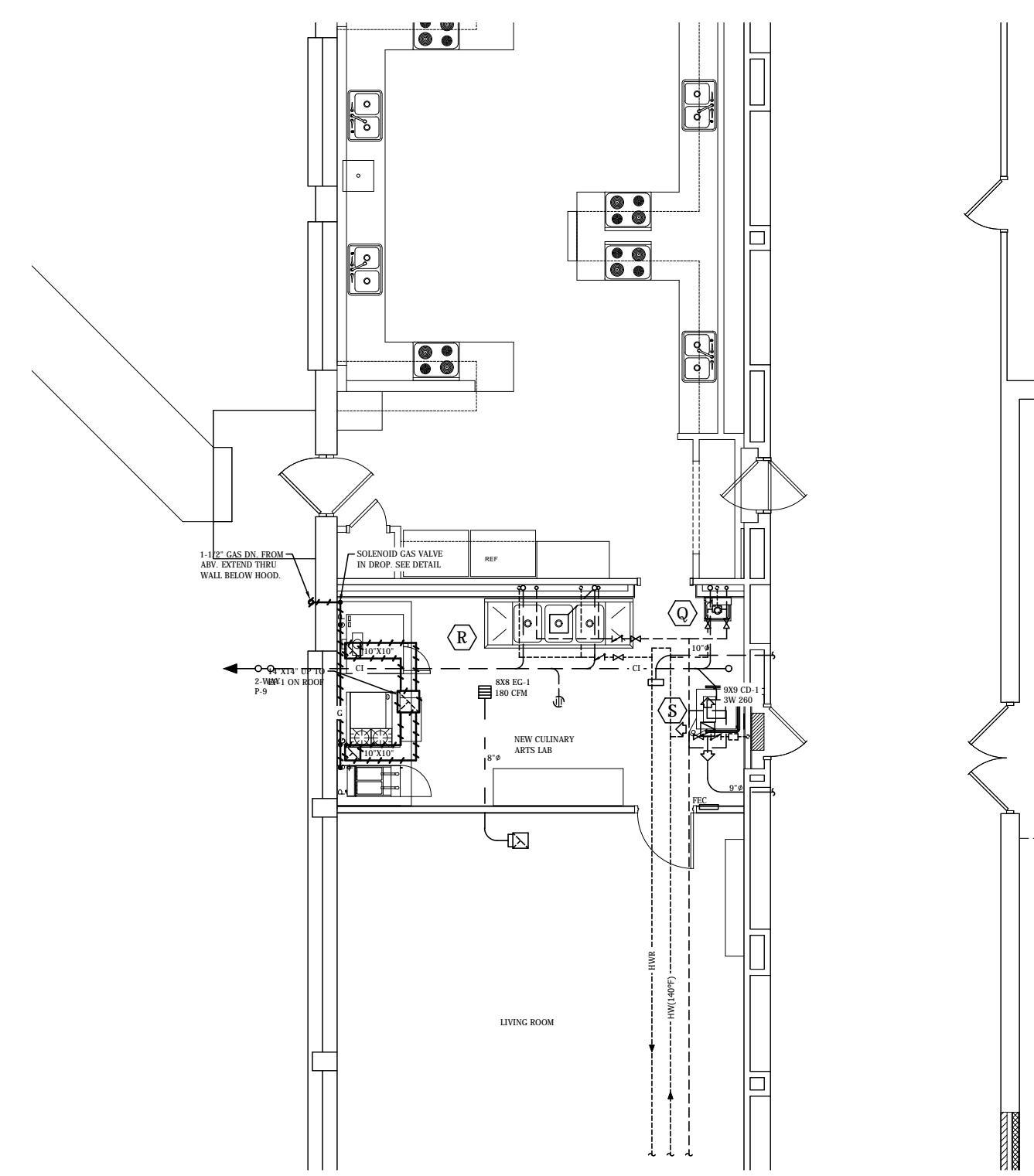
ZWW/JSD / JRM / 04-25-2016  
DRAWN - CHECKED - DATE

NO.	REVISIONS

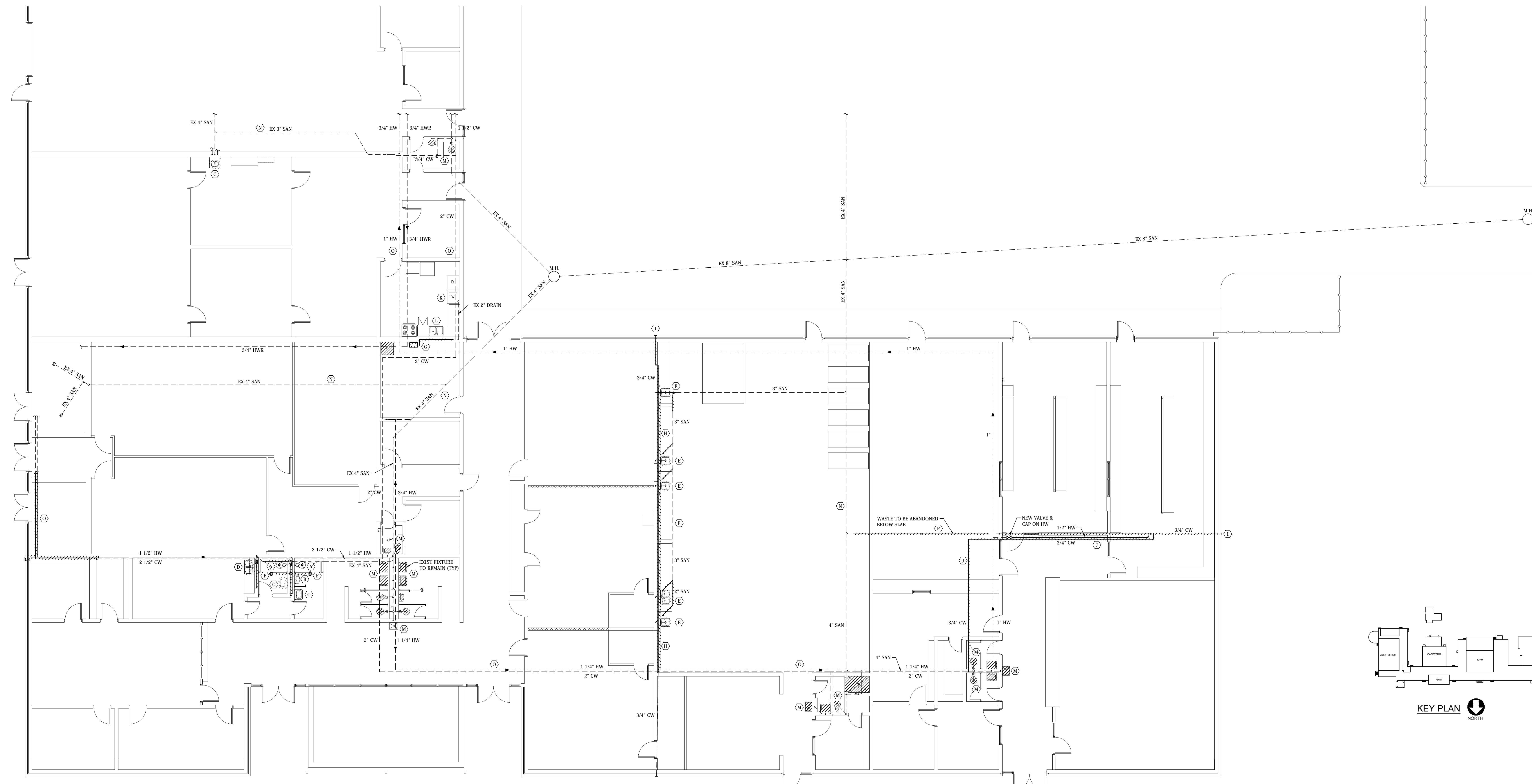
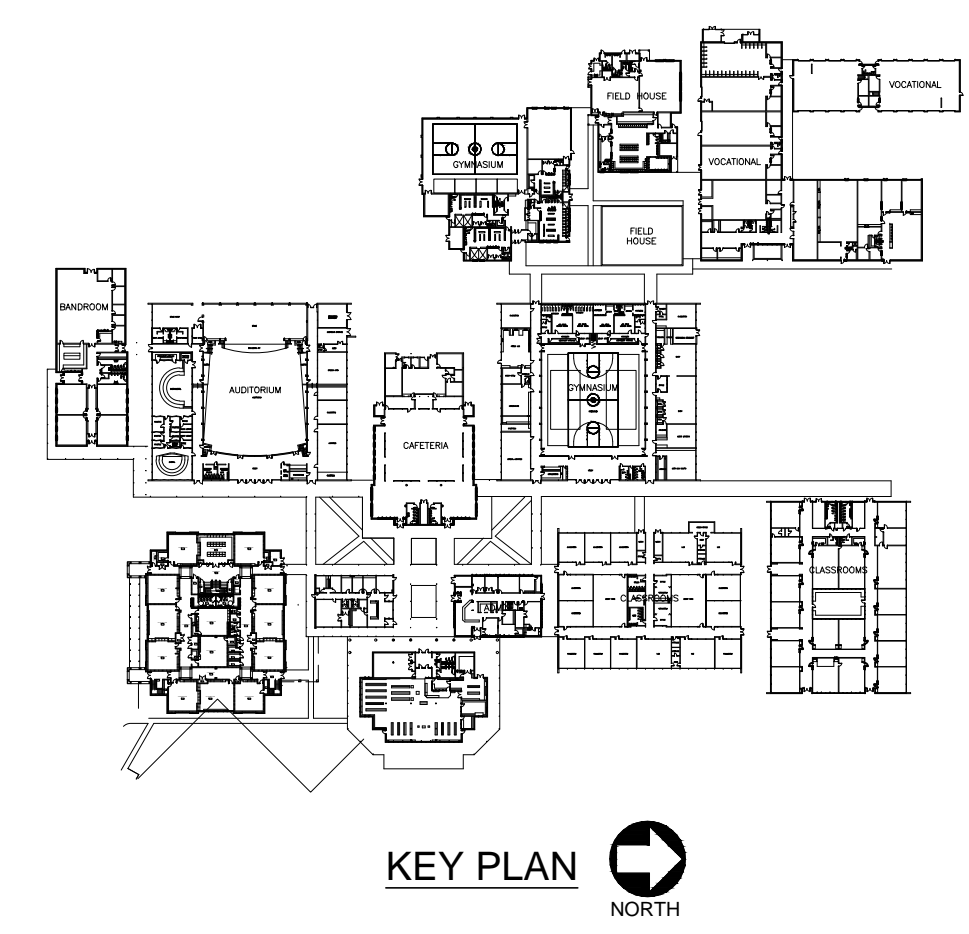
SHEET TITLE  
**PLUMBING DEMOLITION FLOOR PLAN**

SHEET NUMBER  
**P-1.1**  
OF  
**8**

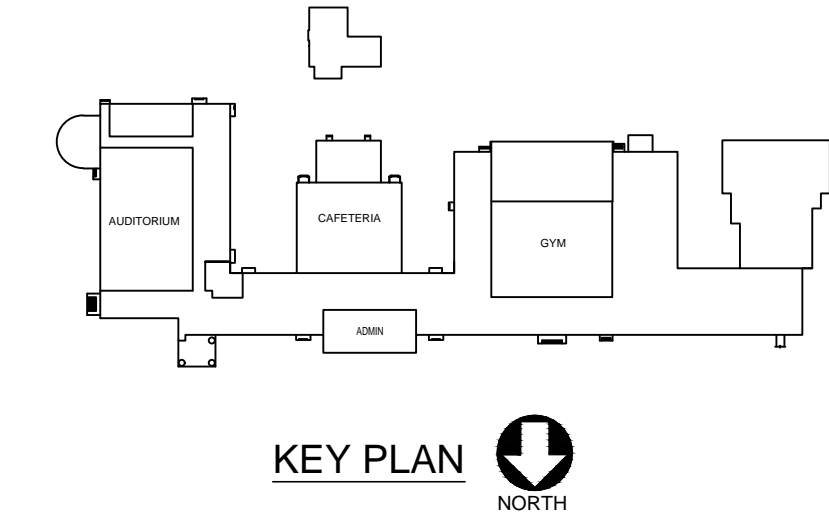
- PLUMBING DEMOLITION NOTES CAREER TECH BUILDING**
- A Existing water closet to be removed. Removal shall include all below floor waste, vent pipe system, water piping and flush valve. Cap the water piping at the main above the ceiling. Coordinate with the General Contractor for floor repairs.
  - B Existing urinal to be removed. Removal shall include the carrier, above and below floor waste and vent pipe system, water piping and flush valve. Cap the water piping at the main above the ceiling. Coordinate with the General Contractor for floor repairs.
  - C Existing lavatory to be removed. Removal shall include the carrier, above and below floor waste and vent pipe system, hot and cold water piping and trim. Cap the water piping at the mains above the ceiling. Coordinate with the General Contractor for floor repairs.
  - D Existing counter mounted sink to be removed. Removal shall include the above and below floor waste and vent pipe system, hot and cold water piping and trim. Cap the water piping at the mains above the ceiling. Coordinate with the General Contractor for floor repairs.
  - E Existing Lab counter mounted sink to be removed. Removal shall include the above and below floor waste and vent pipe system, hot and cold water piping and trim. Cap the waste pipe system below the floor. Cap the water piping at the mains above the ceiling. Coordinate with the General Contractor for floor repairs. Where new fixtures are shown to be connected to the existing waste, the connection shall be below the floor.
  - F Existing floor drain to be removed. Removal shall include the trap and all above and below floor waste and vent system. Cap the water piping at the mains above the ceiling. Coordinate with the General Contractor for floor repairs.
  - G Existing waste water pump to be removed. Removal shall include the inlet and discharge waste pipe system. The pump shall be turned over to the Owner.
  - H Existing Lab water piping to be removed. Removal shall include all piping above the ceiling, drops down and piping routed inside the base cabinet.
  - I Existing wall hydrant to be removed. Removal shall include all water piping back to the main. Cap the water piping at the main.
  - J Piping from a previously demolished sink is to be removed. Removal shall include the water piping back to the main. Any waste stub up through the floor shall be removed to below the floor and permanently capped. Cap the water piping at the mains.
  - K Existing kitchen sink to be remain. The existing waste below the cabinet that extends to the pump as identified in note G shall be removed.
  - L Existing washer connection to remain. The waste piping below the countertop shall be reused. Demolish the pipe as shown on the drawings and prepare the pipe for reconnection and extension though the wall as indicated.
  - M Existing fixtures to remain.
  - N Existing waste piping to remain. Coordinate with new fixture connections where the floor is to be cut, the pipe exposed and new fittings installed for the fixtures.
  - O Existing water piping to remain. Coordinate with the new fixture connections for required tees and new piping runouts to the fixtures.
  - P Existing below floor waste from a previously demolished fixture to be abandoned below the floor.
- PLUMBING DEMOLITION NOTES DECATUR HS CULINARY CLASSROOM**
- Q The existing stainless steel handwash lavatory shall be removed and relocated at the Austin Career Tech site. When removed, the existing faucet shall be removed and replaced with a sensor faucet. The existing hot and cold supplies to be removed back to the stops. Permanent caps shall be installed over the water supply threaded connection. The waste extension through the wall shall be permanently capped close to the wall. Hot and cold water valves above the ceiling shall be closed.
  - R The existing stainless steel three compartment sink shall be removed and relocated at the Austin Career Tech site. All components, including the disposer faucet and all integral piping between the cold water supplies and faucet bowl wash. The existing water lines shall be removed back to the wall and permanently capped. The waste piping connecting the bowls to the floor sink shall be removed and replaced at the new installation site. The wall connection waste from the disposer shall be permanently capped at close to the wall. The floor sink shall have an expansion waste fitting installed to block the waste pipe opening. A blowup ball shall not be used. Hot and cold water valves above the ceiling shall be closed.
  - S The existing stainless dishwasher shall be removed and relocated at the Austin Career Tech site. The existing hot water pipe shall be removed back to the wall and permanently capped. The valve above the ceiling shall be closed. The waste pipe from the dishwasher to the floor sink shall be removed and replaced at the new installation site.

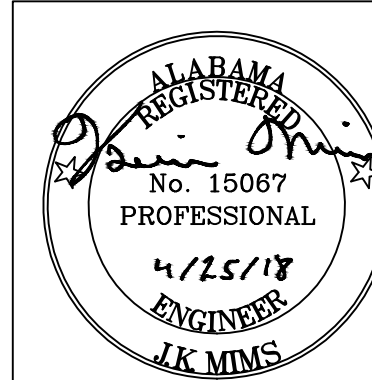


DECATUR HIGH SCHOOL CULINARY CLASSROOM  
**PLUMBING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



DEMOLITION  
**PLUMBING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"





**NOLA VANPEURSEM**  
**ARCHITECTS, PC**  
 MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
 201 LEFFERSON STREET  
 HUNTSVILLE, ALABAMA 35891  
 (256) 658-8877  
 NYPARARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPEURSEM ARCHITECTS

**DECATUR CITY SCHOOLS**  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
 DECATUR, ALABAMA

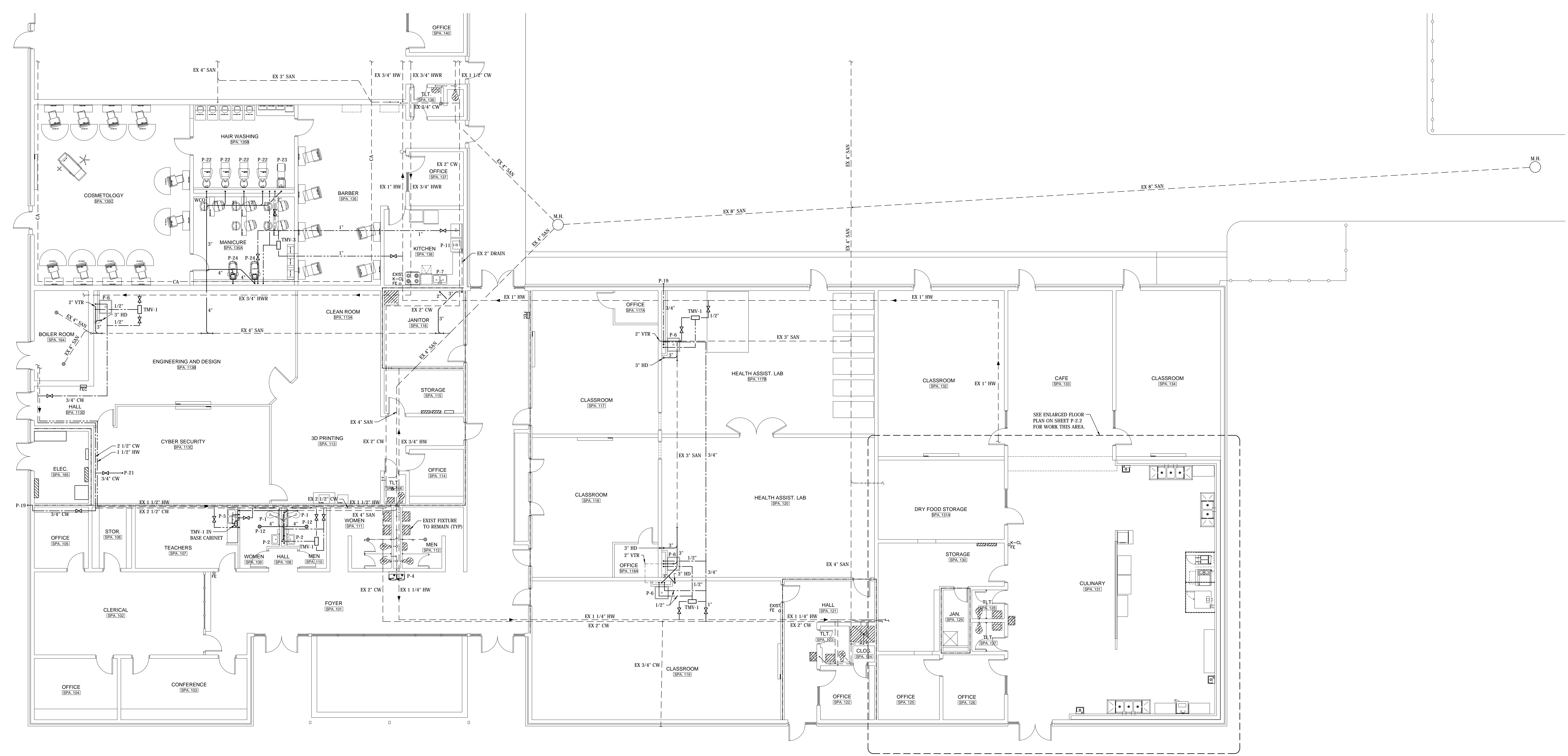
JOB NUMBER  
**17922**

DWG./SD / JHM / 04-25-2016  
 DRAWN - CHECKED - DATE

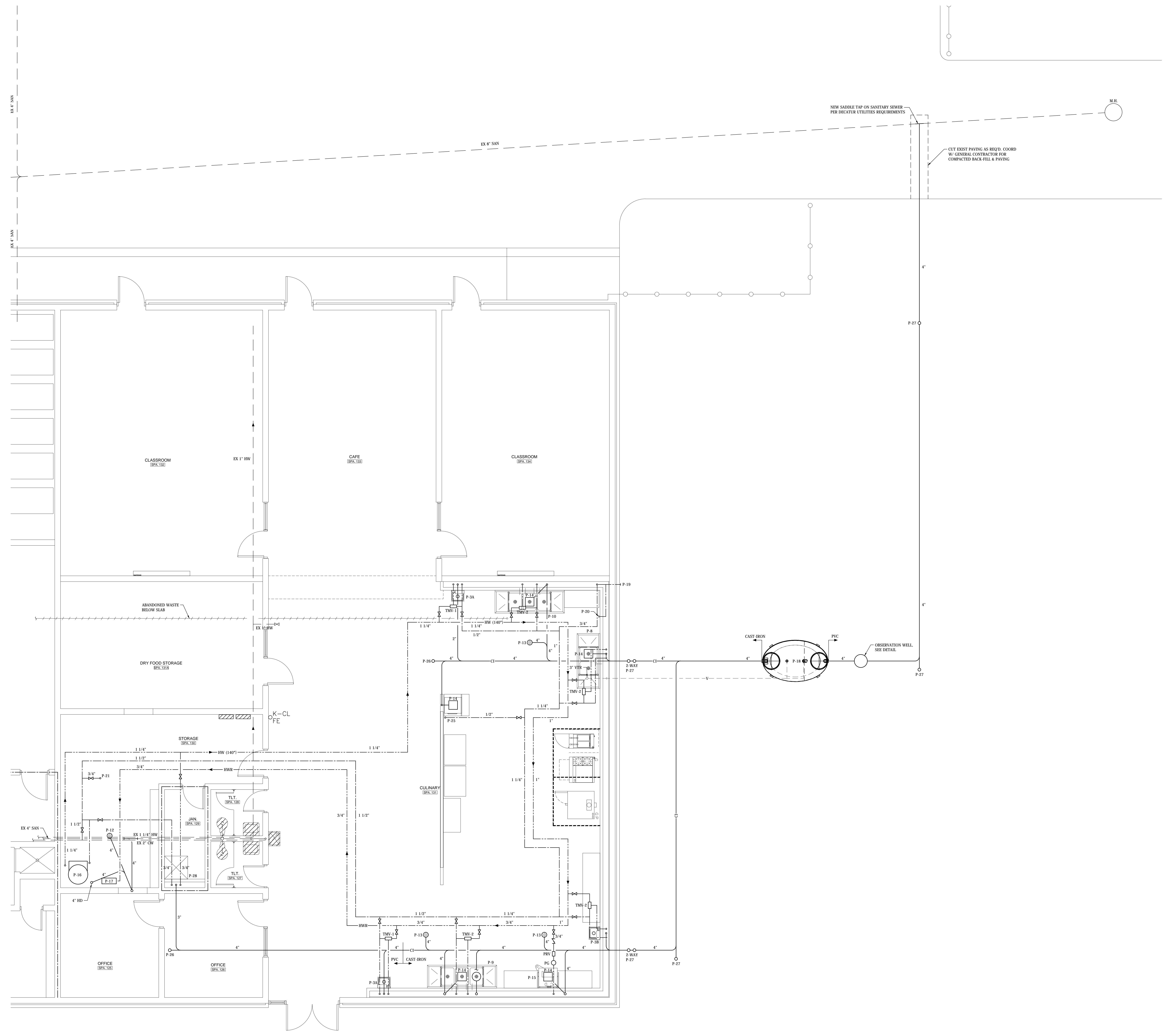
REVISIONS

SHEET TITLE  
**PLUMBING RENOVATION FLOOR PLAN**

SHEET NUMBER  
**P-2.1**  
 OF  
**8**



RENOVATION  
**PLUMBING FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"



RENOVATION  
**PLUMBING ENLARGED FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"



**NOLA VANPURSEEM**  
 ARCHITECTS, PC  
 MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
 301 LEEFERNON STREET  
 HUNTSVILLE, ALABAMA 35891  
 (256) 459-8497  
 NVPARCHITECTS.COM

THIS DRAWING MAY NOT BE  
 REPRODUCED IN WHOLE OR IN  
 PART WITHOUT THE CONSENT OF  
 NOLA VANPURSEEM ARCHITECTS

**DECATUR CITY SCHOOLS**  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
 DECATUR, ALABAMA

JOB NUMBER  
**17922**

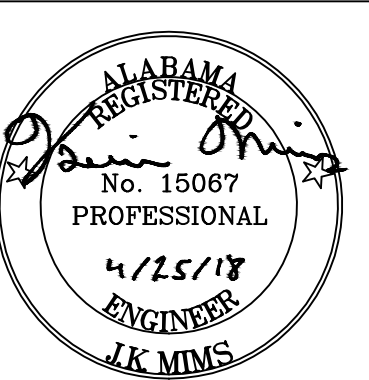
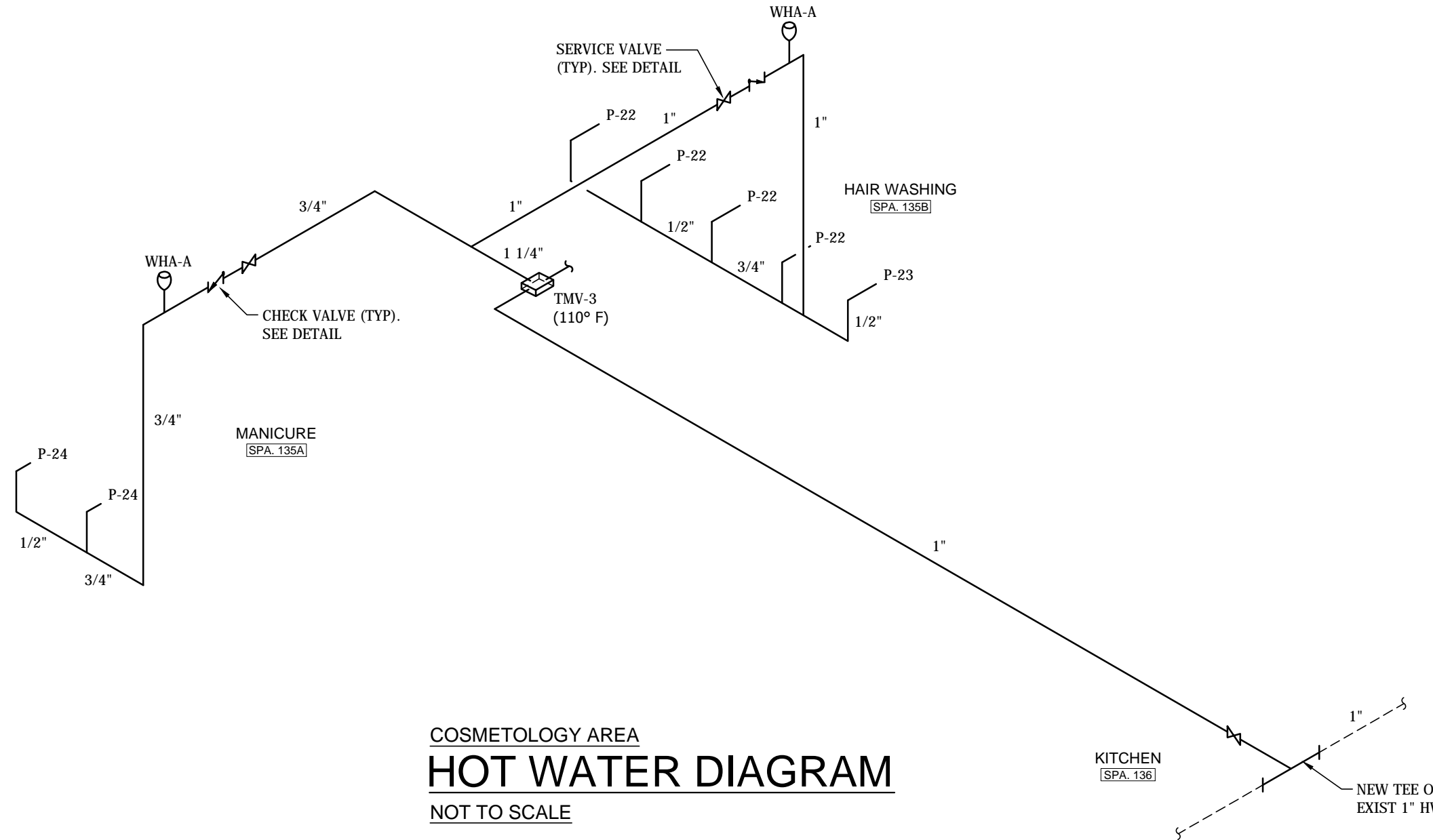
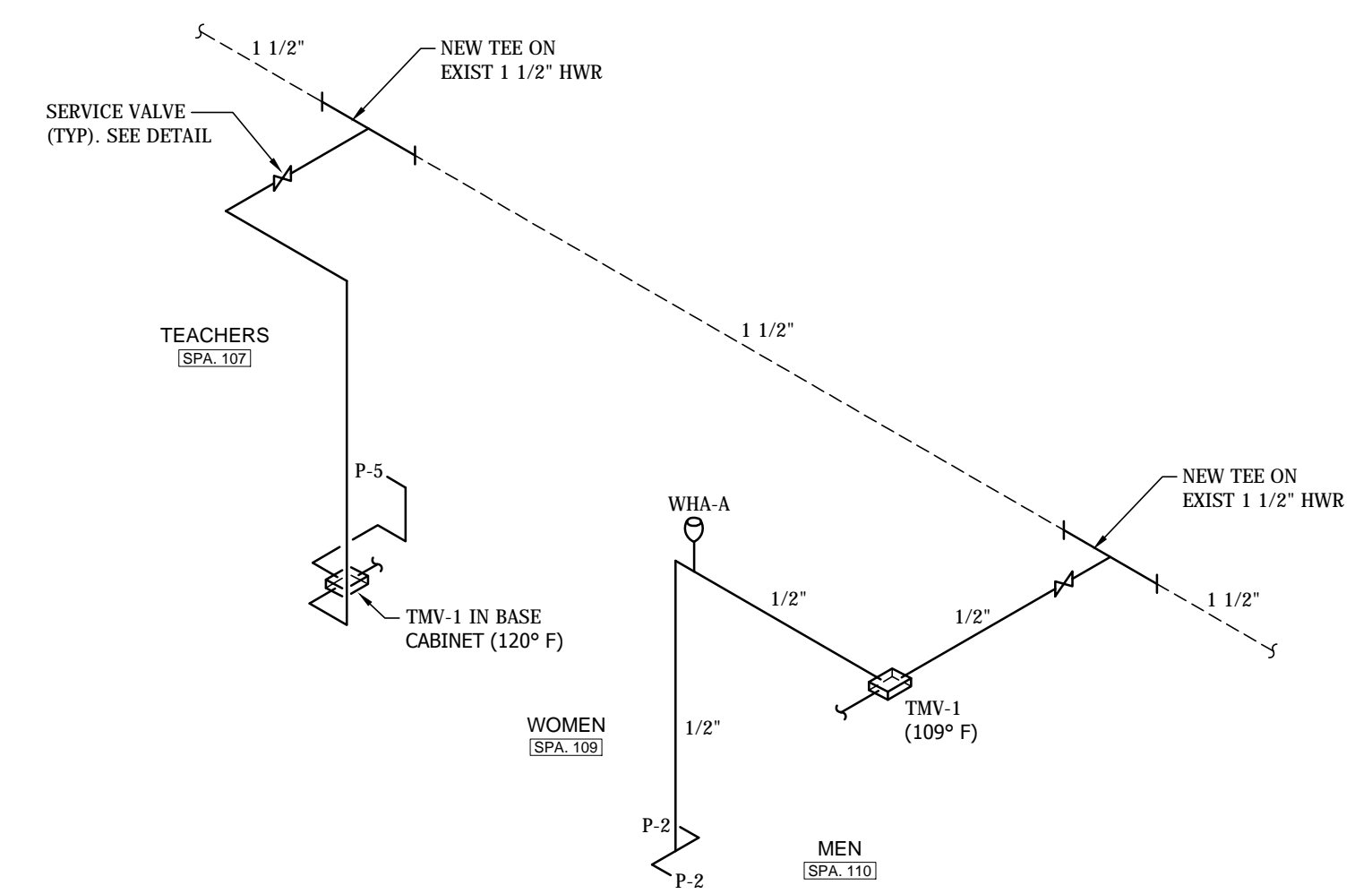
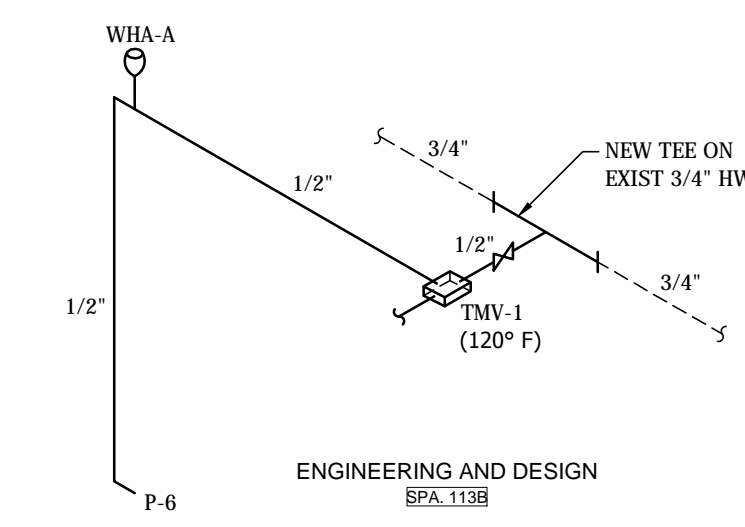
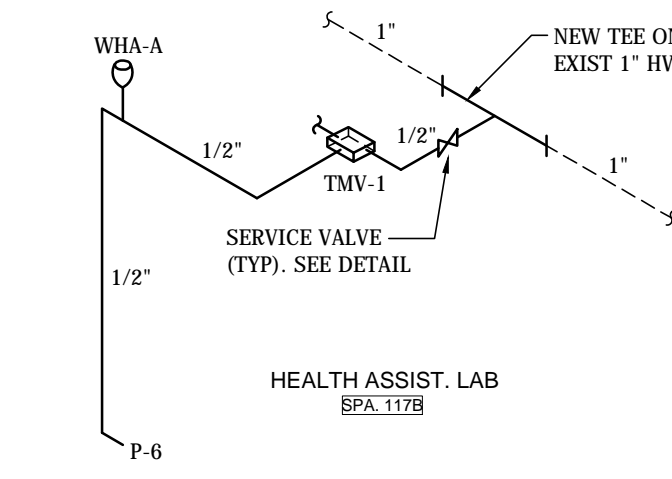
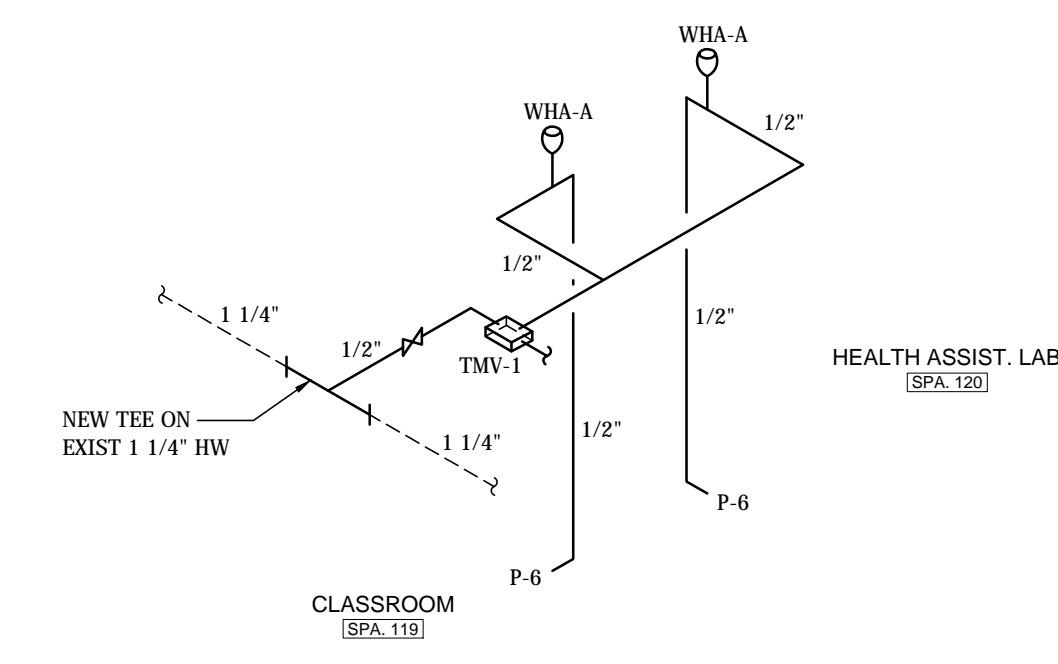
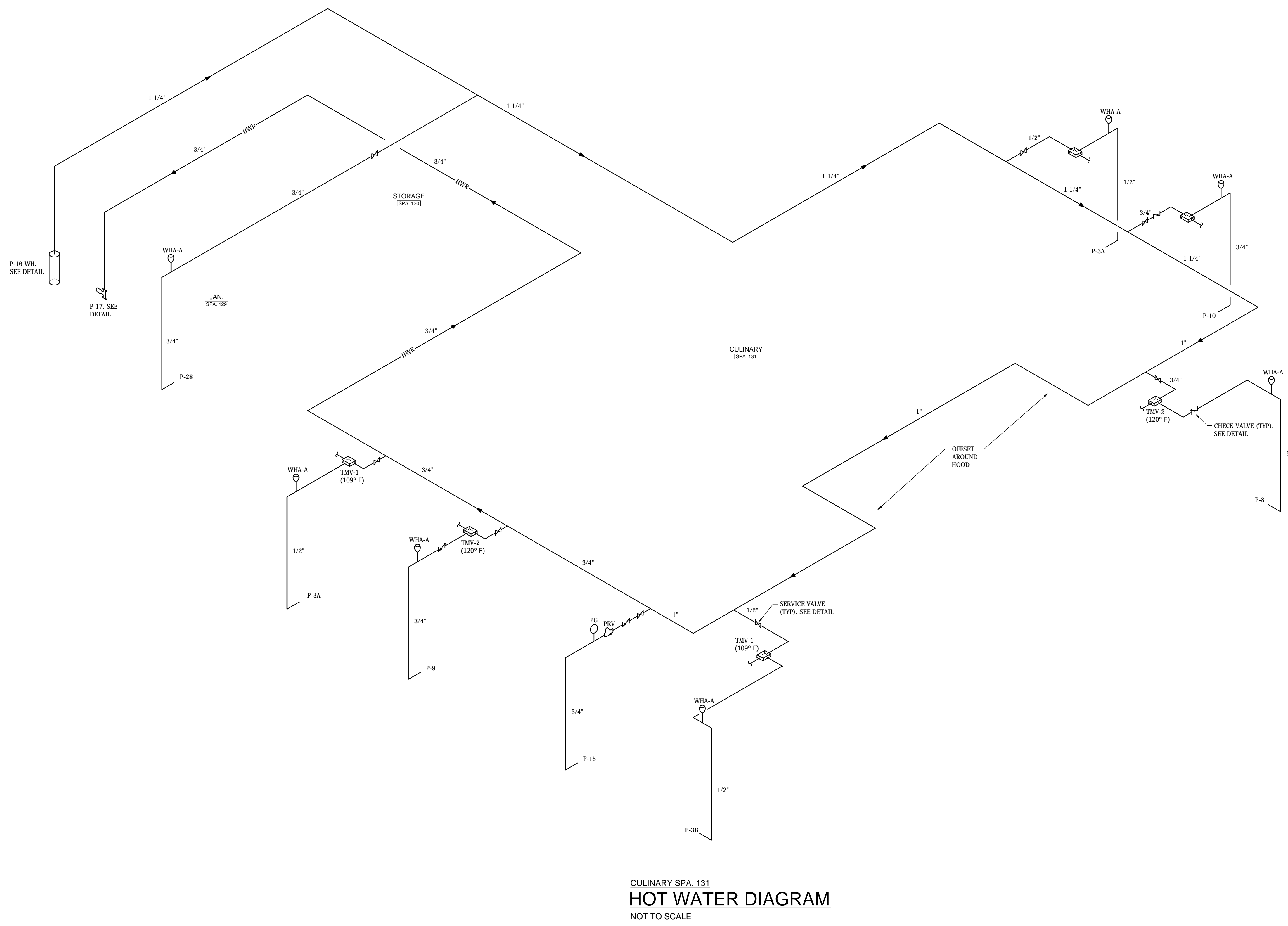
ZW/JSD / JRM / 04-25-2016  
 DRAWN - CHECKED - DATE

REVISIONS

SHEET TITLE  
 PLUMBING  
 RENOVATION  
 ENLARGED  
 FLOOR PLAN

SHEET NUMBER  
**P-2.2**  
 OF  
**8**





**NOLA VANPURSE**  
ARCHITECTS, PC  
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
301 LEEFERSON STREET  
HUNTSVILLE, ALABAMA 35891  
(256) 888-8497  
NVPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPURSE ARCHITECTS

**DECATUR CITY SCHOOLS  
AUSTIN HIGH SCHOOL  
CAREER TECH CENTER  
DECATUR, ALABAMA**

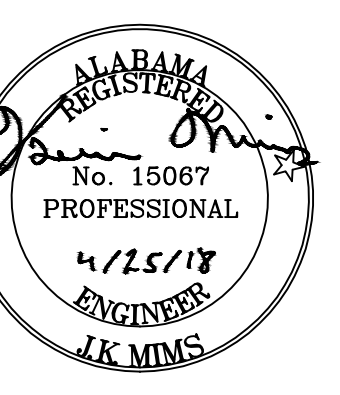
JOB NUMBER  
**17922**

DRAWN - CHECKED - DATE

REVISIONS

SHEET TITLE  
**HOT WATER  
RISER  
DIAGRAMS**

SHEET NUMBER  
**P-4.1  
OF  
8**



**NOLA VANPURSEUM**  
ARCHITECTS, PC  
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
301 HEPBURN STREET  
HUNTSVILLE, ALABAMA 35891  
(256) 899-8477  
NVPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPURSEUM ARCHITECTS

DECATUR CITY SCHOOLS  
AUSTIN HIGH SCHOOL  
CAREER TECH CENTER  
DECATUR, ALABAMA

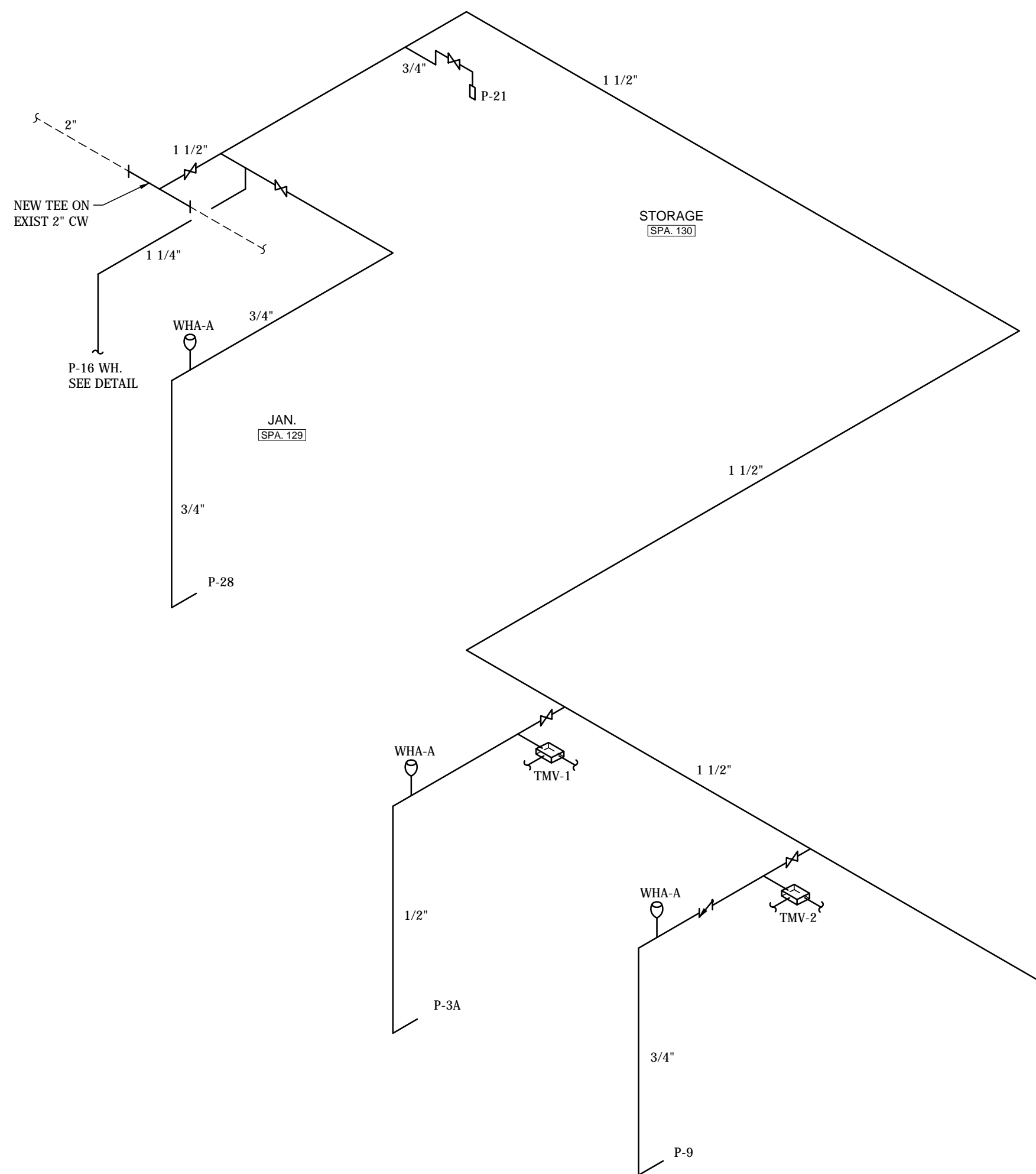
JOB NUMBER  
17922

ZWJ/USD / JMM / 04-25-2016  
DRAWN - CHECKED - DATE

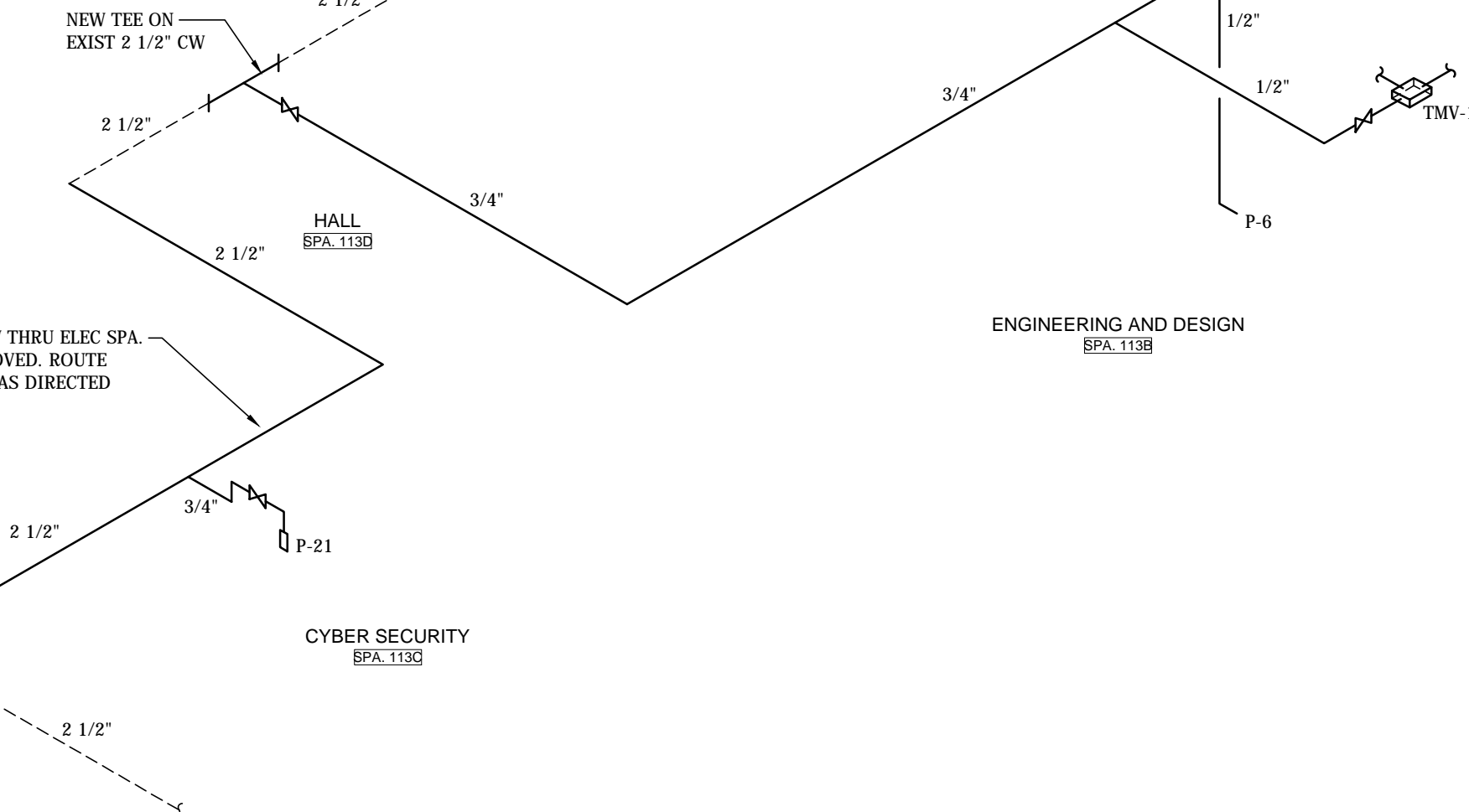
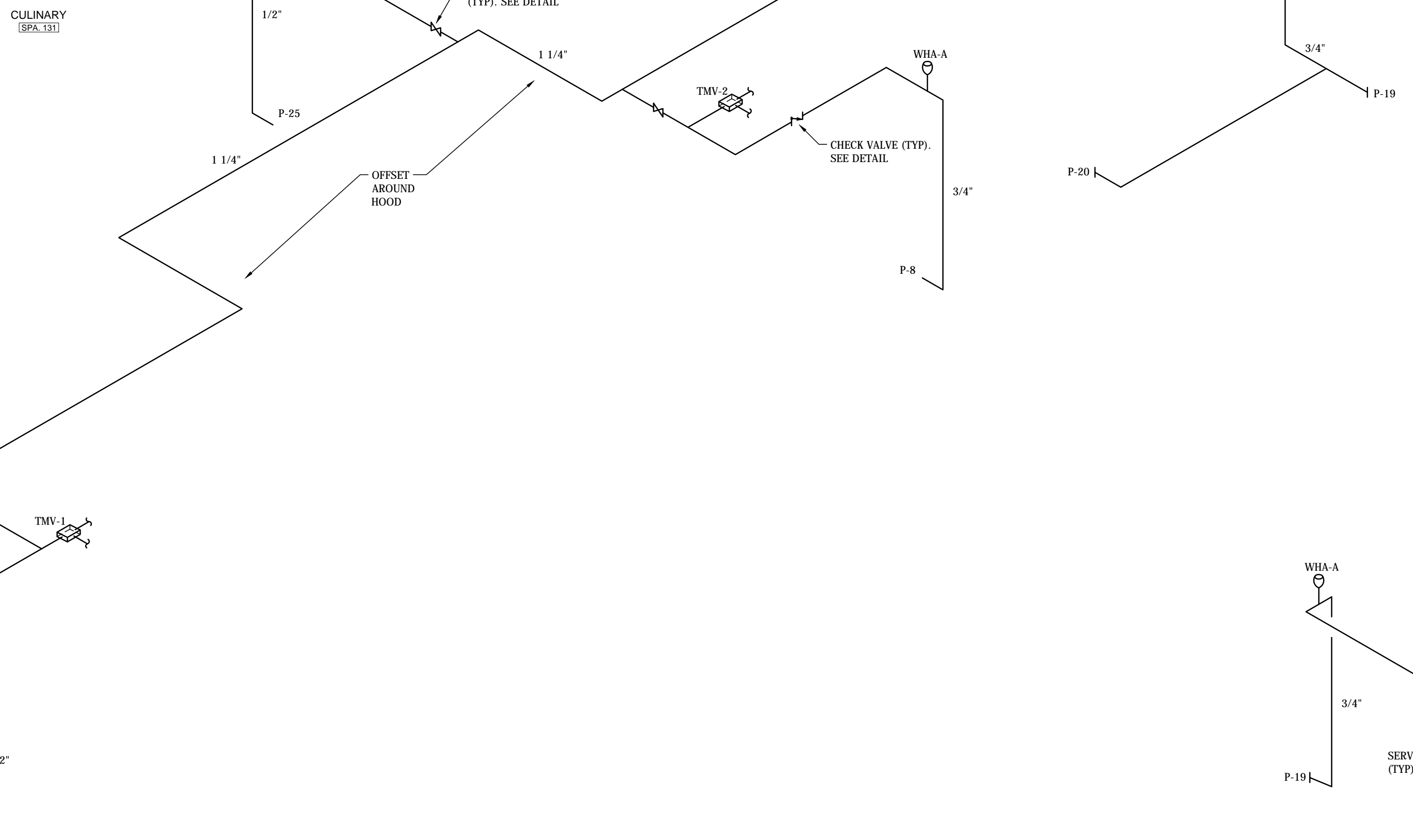
REVISIONS

SHEET TITLE  
COLD WATER RISER DIAGRAMS

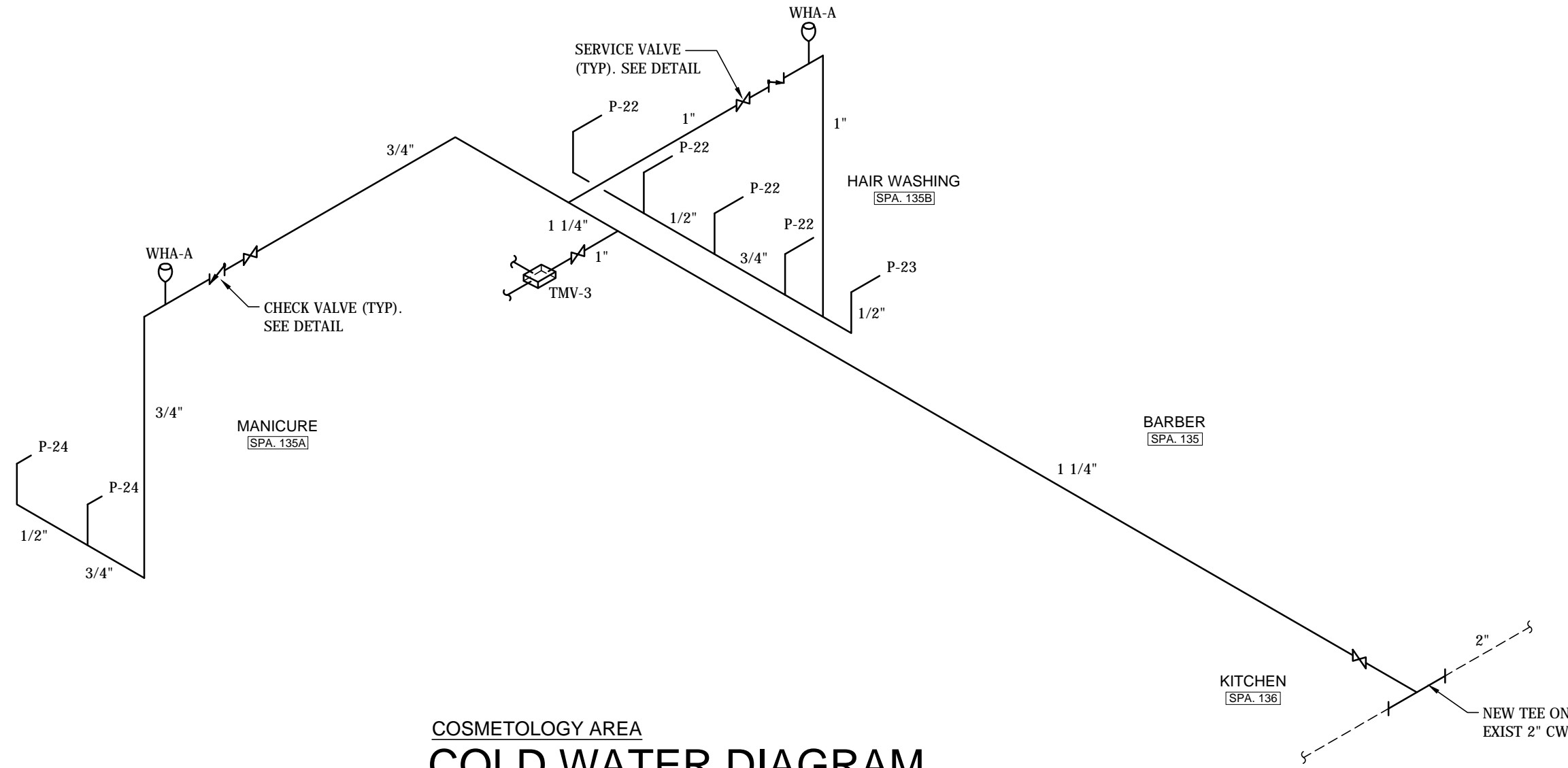
SHEET NUMBER  
P-5.1  
OF  
8



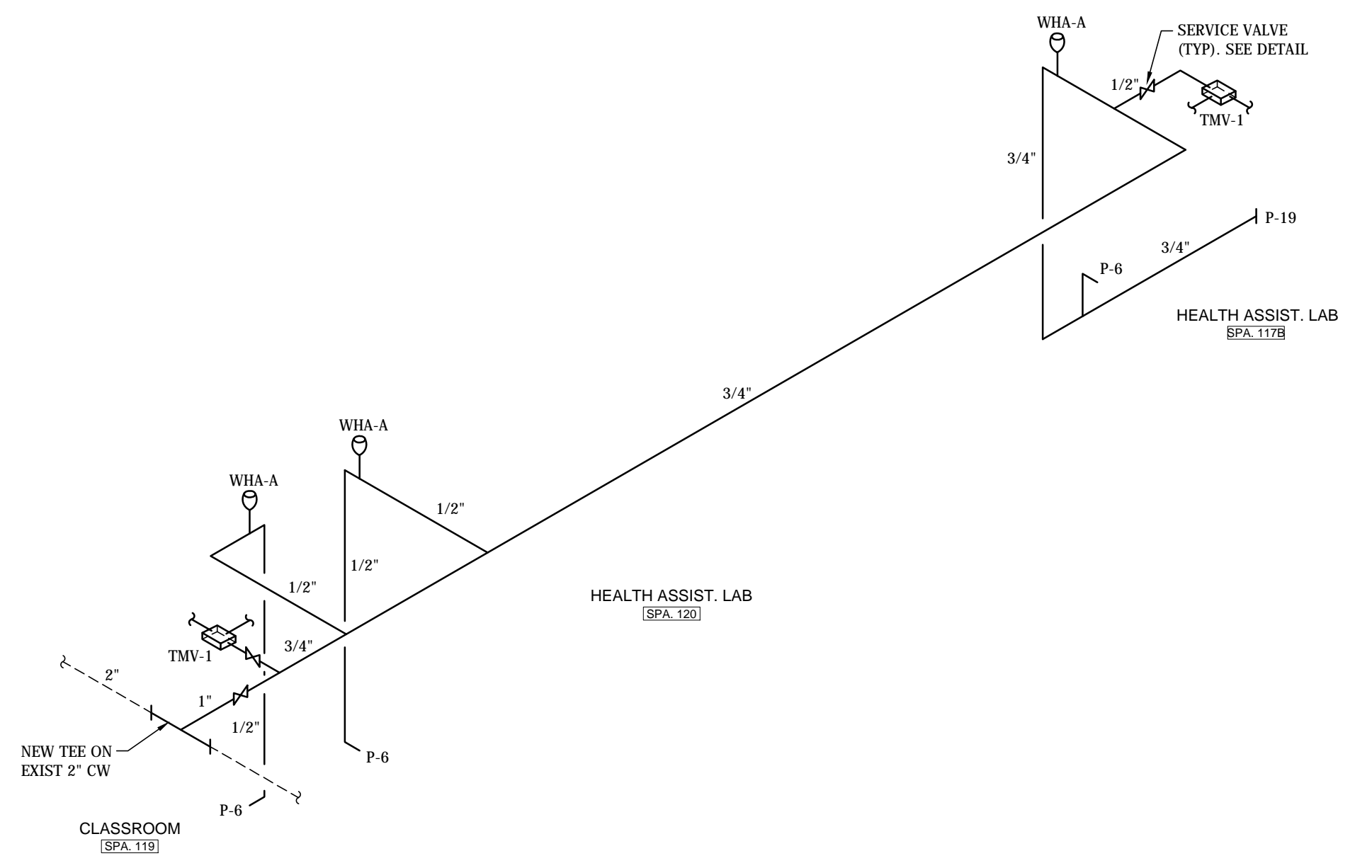
CULINARY SPA, 131  
**COLD WATER DIAGRAM**  
NOT TO SCALE



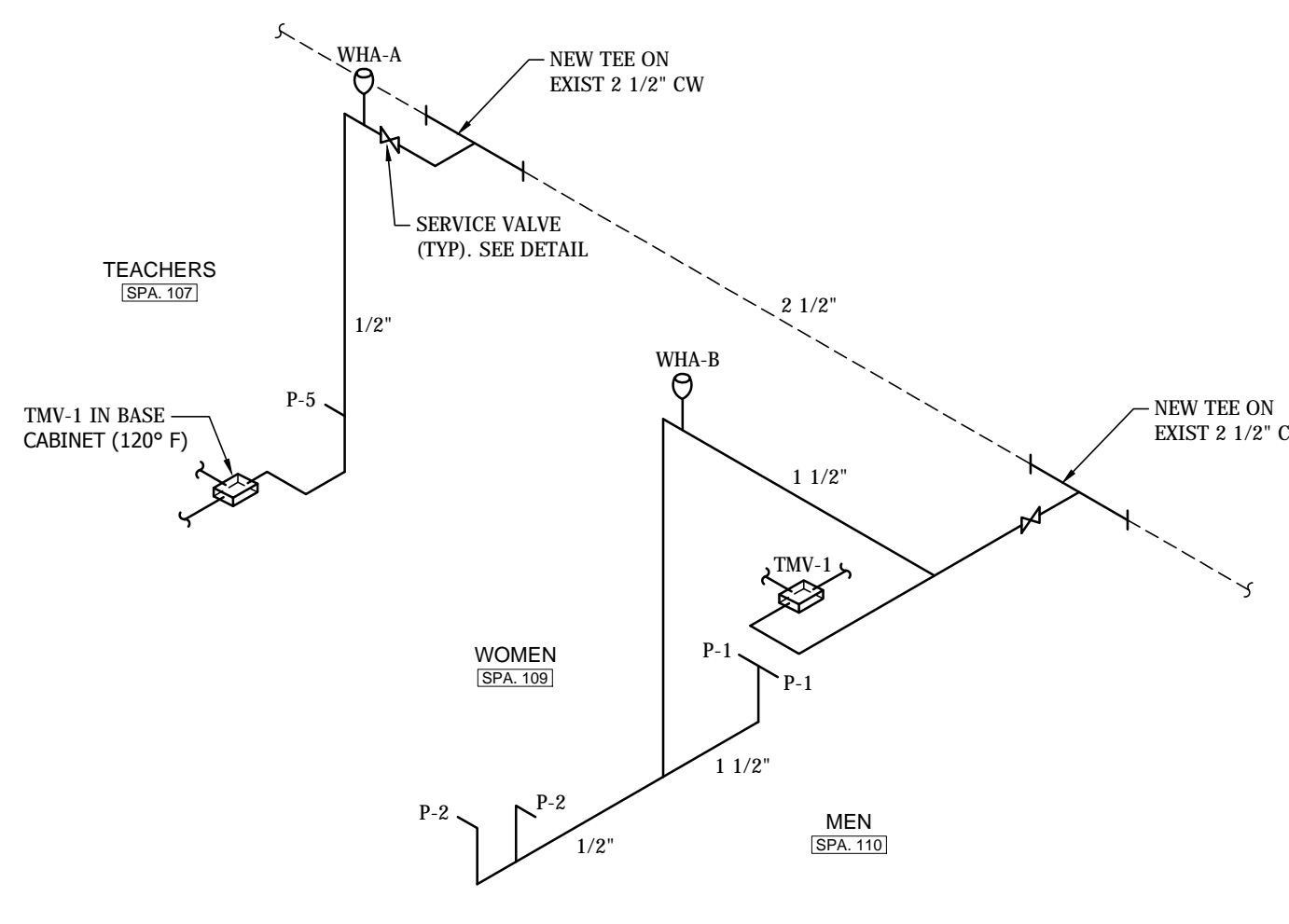
ENG. & DESIGN SPA, 113B  
**COLD WATER DIAGRAM**  
NOT TO SCALE



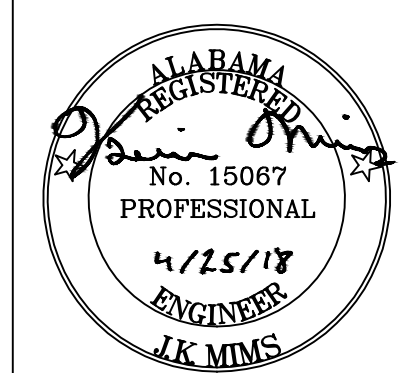
COSMETOLOGY AREA  
**COLD WATER DIAGRAM**  
NOT TO SCALE



CLASSROOM/LAB AREA  
**COLD WATER DIAGRAM**  
NOT TO SCALE



ADA TOILETS  
**COLD WATER DIAGRAM**  
NOT TO SCALE



**NOLA VANPEURSEM**  
ARCHITECTS, PC  
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
801 LEFFERSON STREET  
HUNTSVILLE, ALABAMA 35891  
(256) 858-6487  
NVPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPEURSEM ARCHITECTS

**DECATUR CITY SCHOOLS  
AUSTIN HIGH SCHOOL  
CAREER TECH CENTER  
DECATUR, ALABAMA**

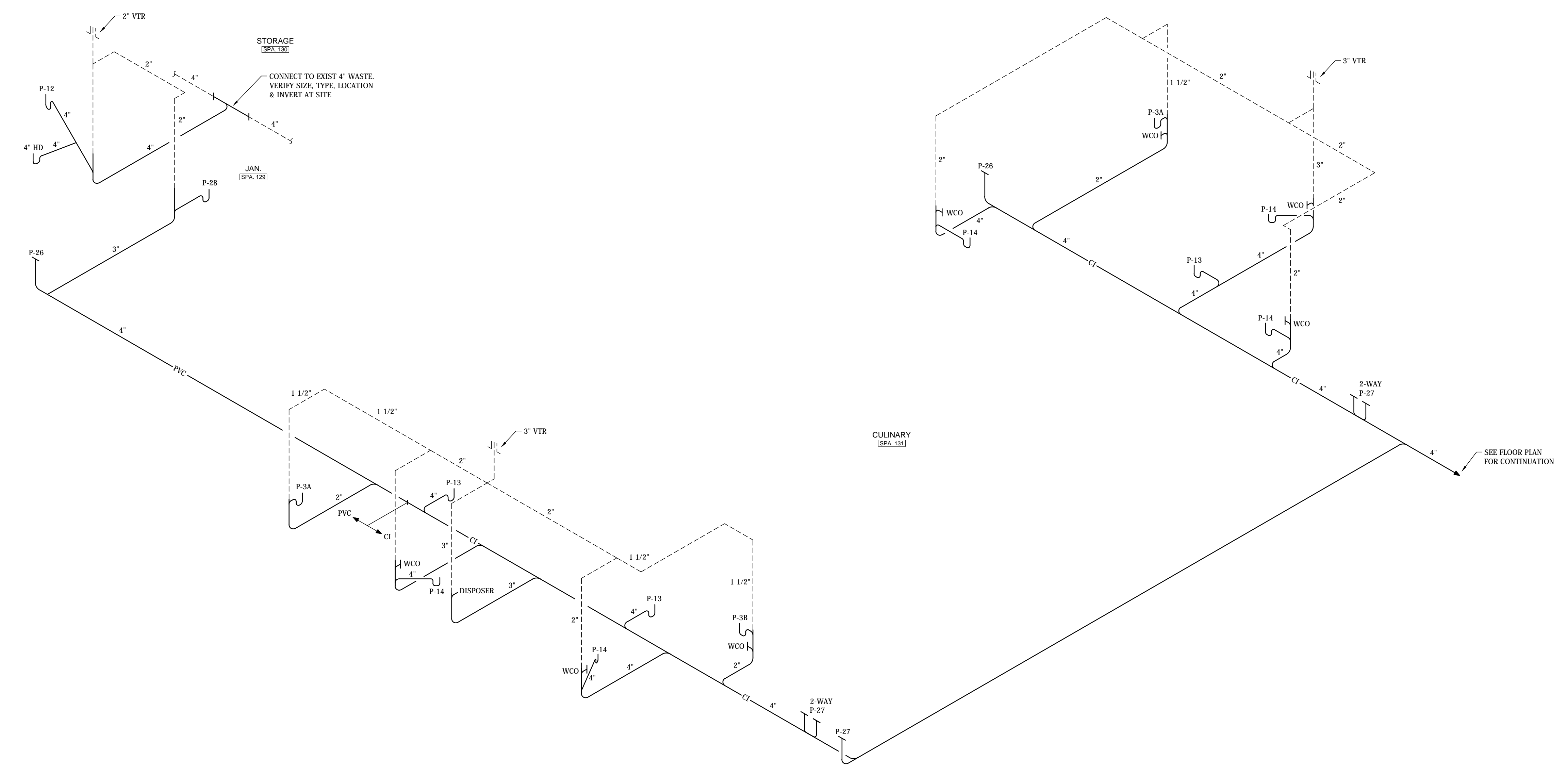
JOB NUMBER  
**17922**

ZWW/JSM / JRM / 04-25-2016  
DRAWN - CHECKED - DATE

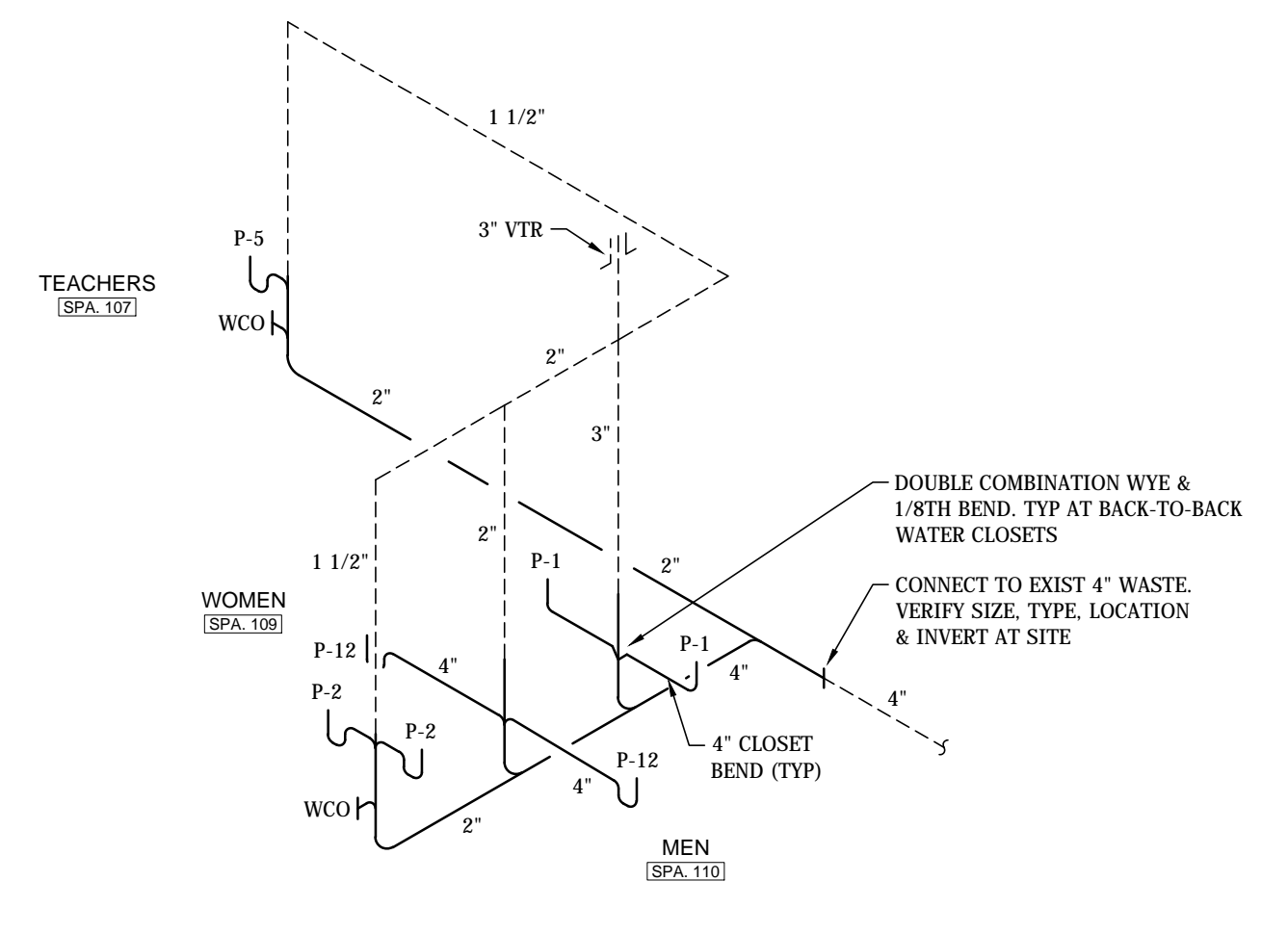
REVISIONS

SHEET TITLE  
**WASTE & VENT DIAGRAMS**

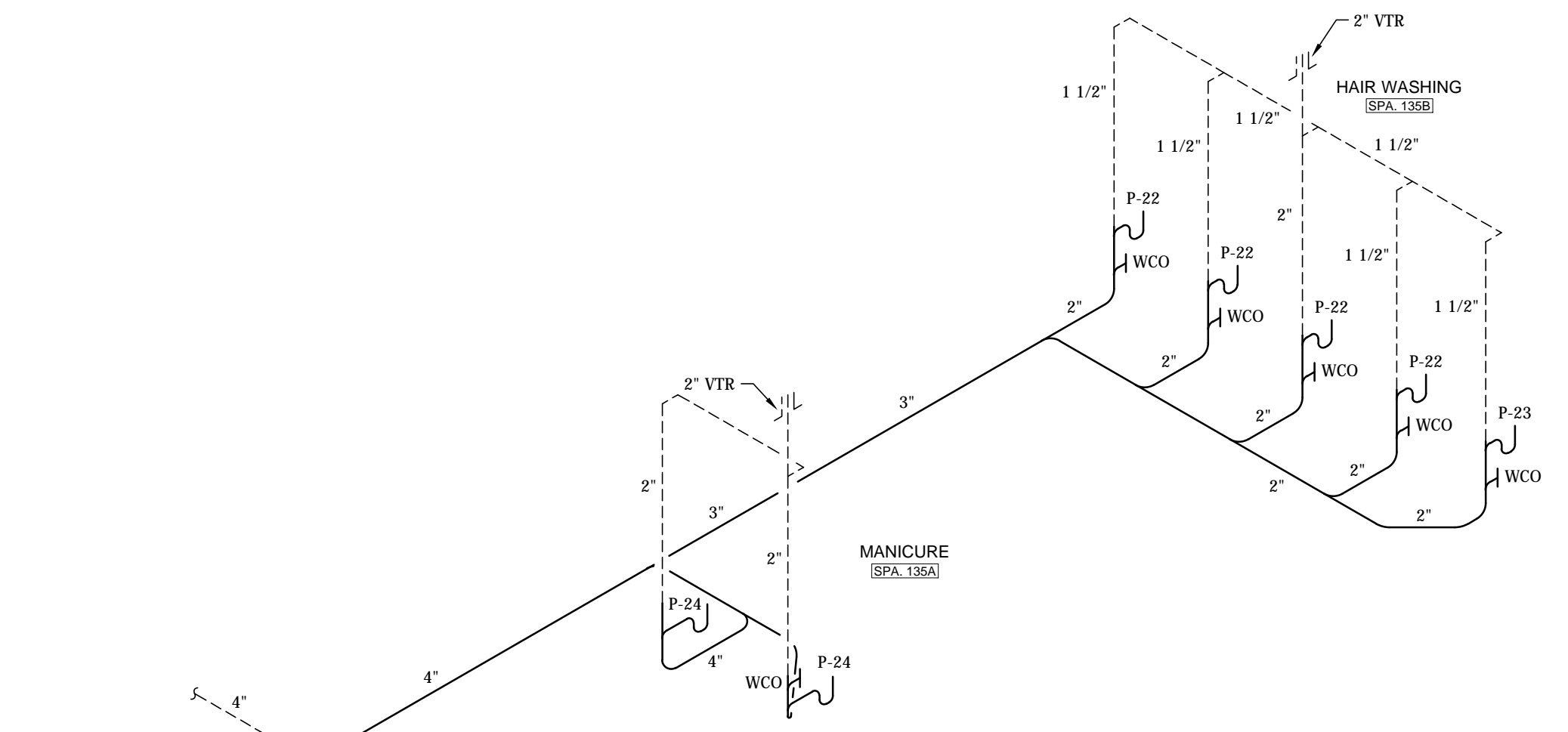
SHEET NUMBER  
**P-6.1  
OF  
8**



**CULINARY AREA  
WASTE & VENT DIAGRAM  
NOT TO SCALE**



**ADA TOILETS  
WASTE & VENT DIAGRAM  
NOT TO SCALE**



**COSMETOLOGY AREA  
WASTE & VENT DIAGRAM  
NOT TO SCALE**



**NOLA VANPURSEUM**  
ARCHITECTS, PC  
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
301 LEEFORSBON STREET  
HUNTSVILLE, ALABAMA 35891  
(256) 888-8477  
NVPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPURSEUM ARCHITECTS

DECATUR CITY SCHOOLS  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
DECATUR, ALABAMA

JOB NUMBER  
**17922**

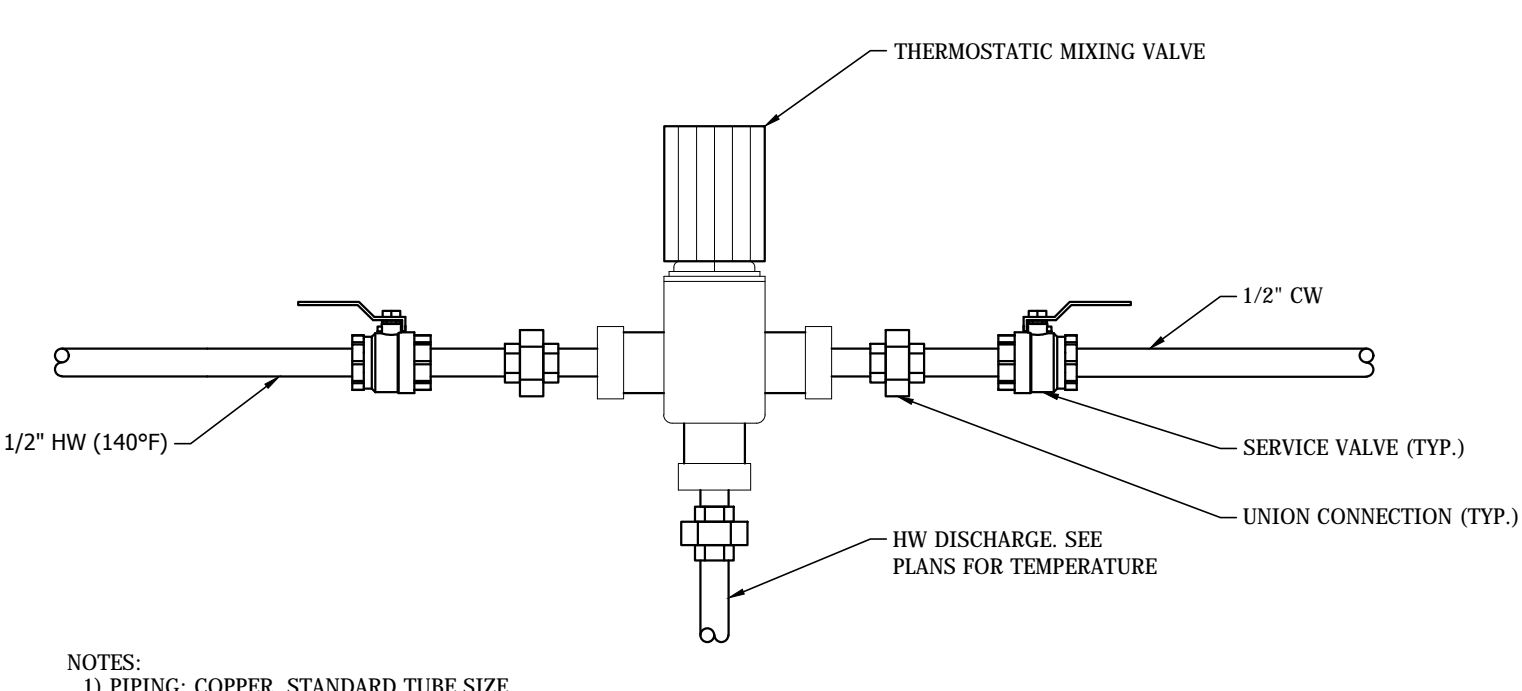
ZWO/USD / JRM / 04-25-2016  
DRAWN - CHECKED - DATE

NO.	REVISIONS

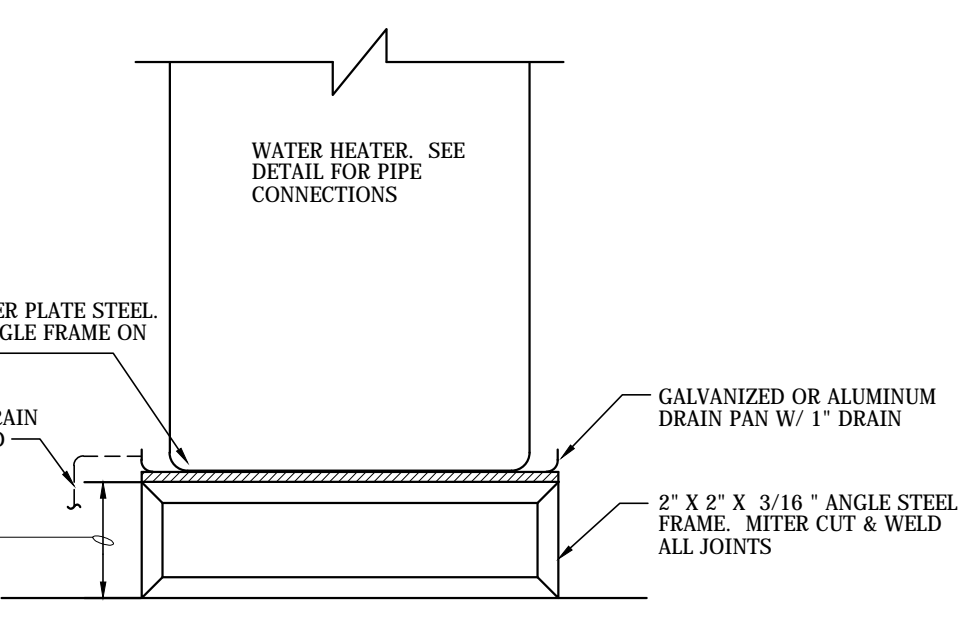
SHEET TITLE  
**PLUMBING DETAILS**

SHEET NUMBER  
**P-7.1**  
OF  
**8**

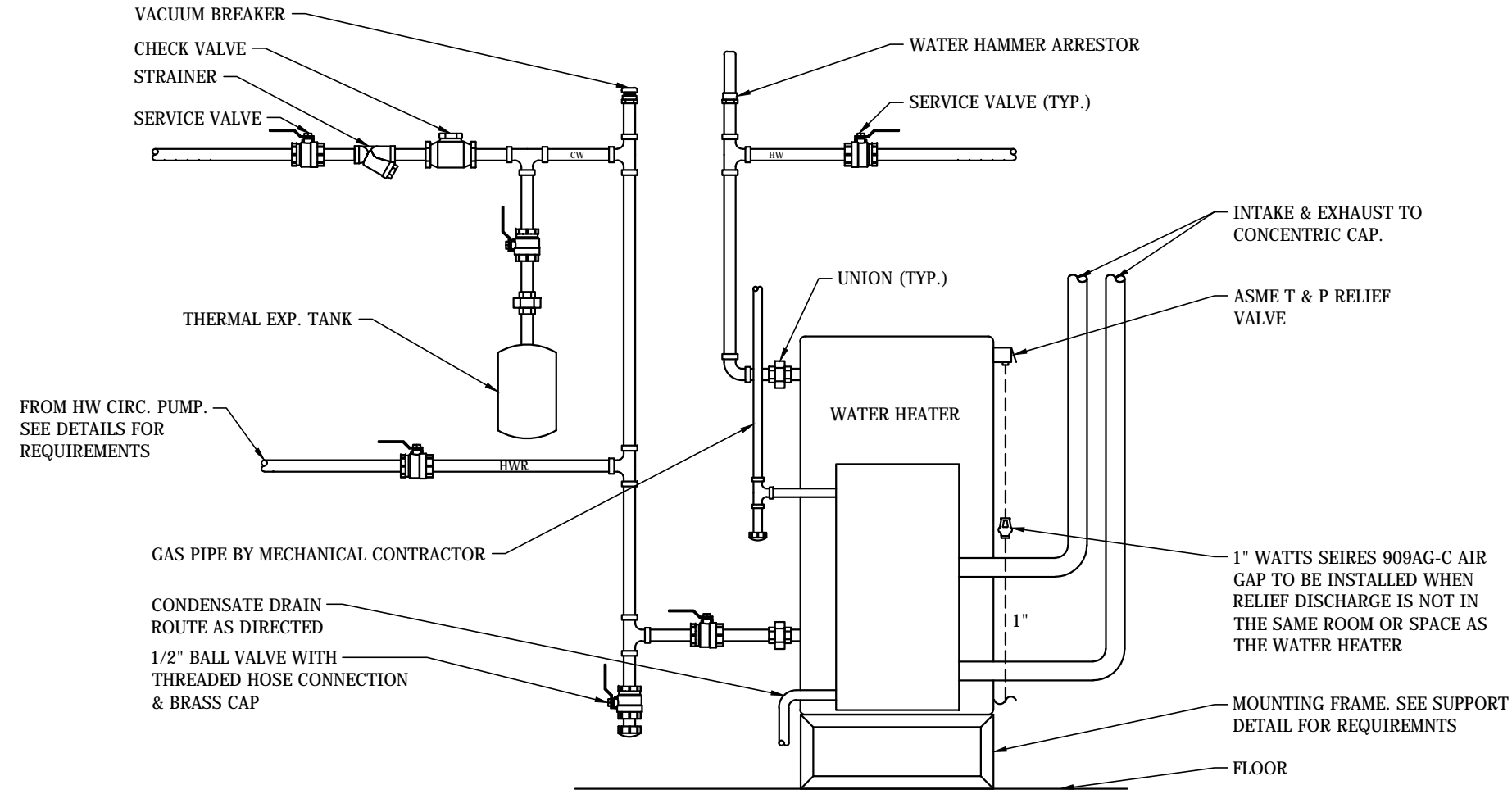
- NOTES:
- ADDITIONAL BRANCH PIPING, VALVES AND ACCESSORIES MAY APPLY FOR THE INSTALLATION. SEE WATER HEATER DETAIL FOR THE REQUIREMENTS.
  - THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A FULLY PROGRAMMABLE 7 DAY DIGITAL TIMELOCK AS INDICATED ON THE DETAIL. COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR THE POWER WIRING TO THE CIRCULATION PUMP TO BE INTERLOCKED THRU THE TIMELOCK AND DIMENSION AGUASTAT BEFORE CONNECTION TO THE PUMP. THE DIMENSION AGUASTAT TEMPERATURE SHALL BE SET AS SPECIFIED.
  - WHERE THE DOMESTIC WATER CIRCULATION PUMP DAILY OPERATION IS CONTROLLED THRU THE BAS, THE LISTED 7 DAY TIMELOCK WILL NOT BE FURNISHED. THE PLUMBING CONTRACTOR SHALL FURNISH A SENSOR WELL FOR THE INSTALLATION OF A TEMPERATURE SENSOR PROVIDED BY THE CONTRACTS CONTRACTOR. THE DIMENSION AGUASTAT WILL ENERGIZE THE PUMP DURING OCCUPIED TIMES.



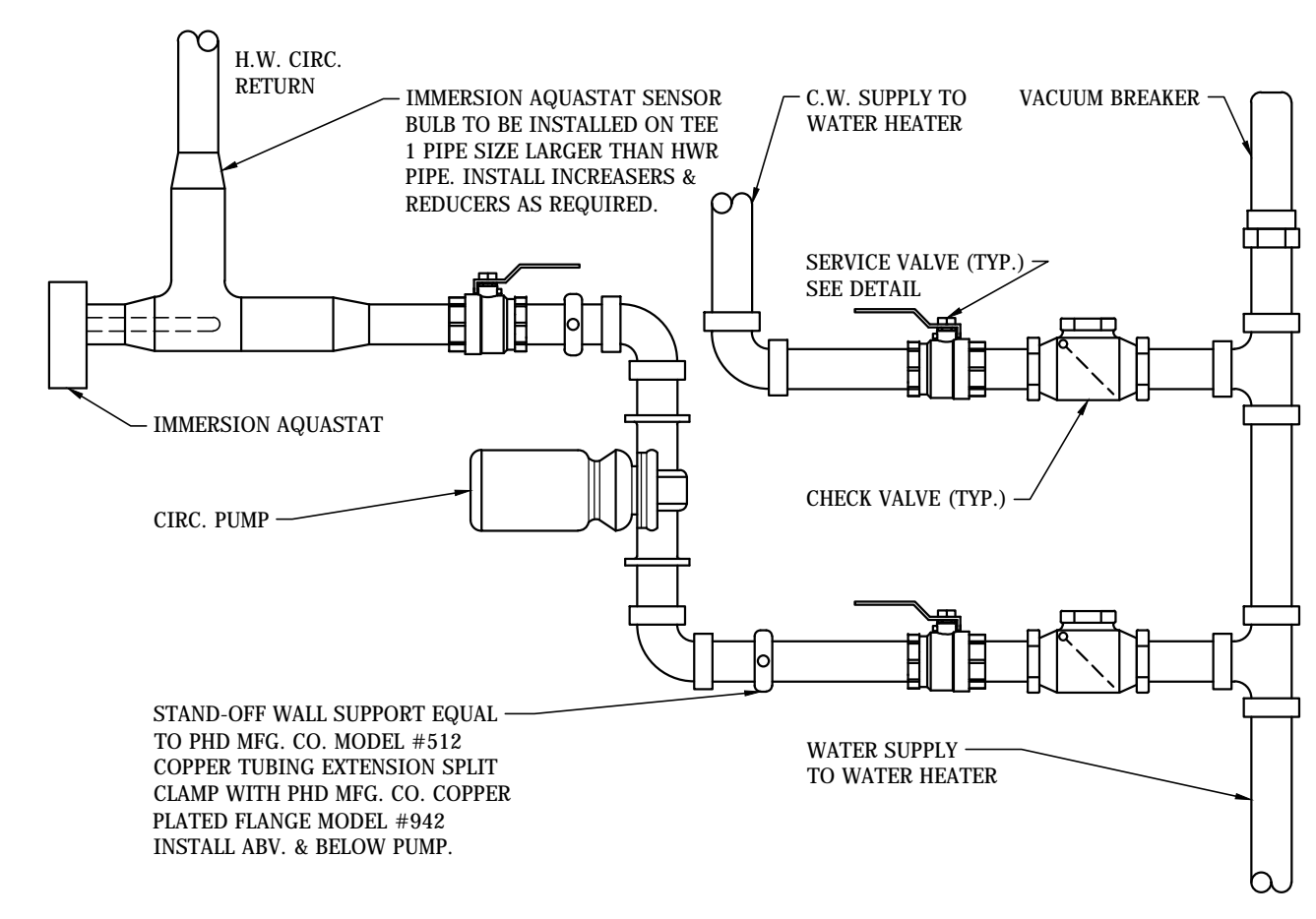
**ASSE 1070**  
**TMV DETAIL**  
NOT TO SCALE



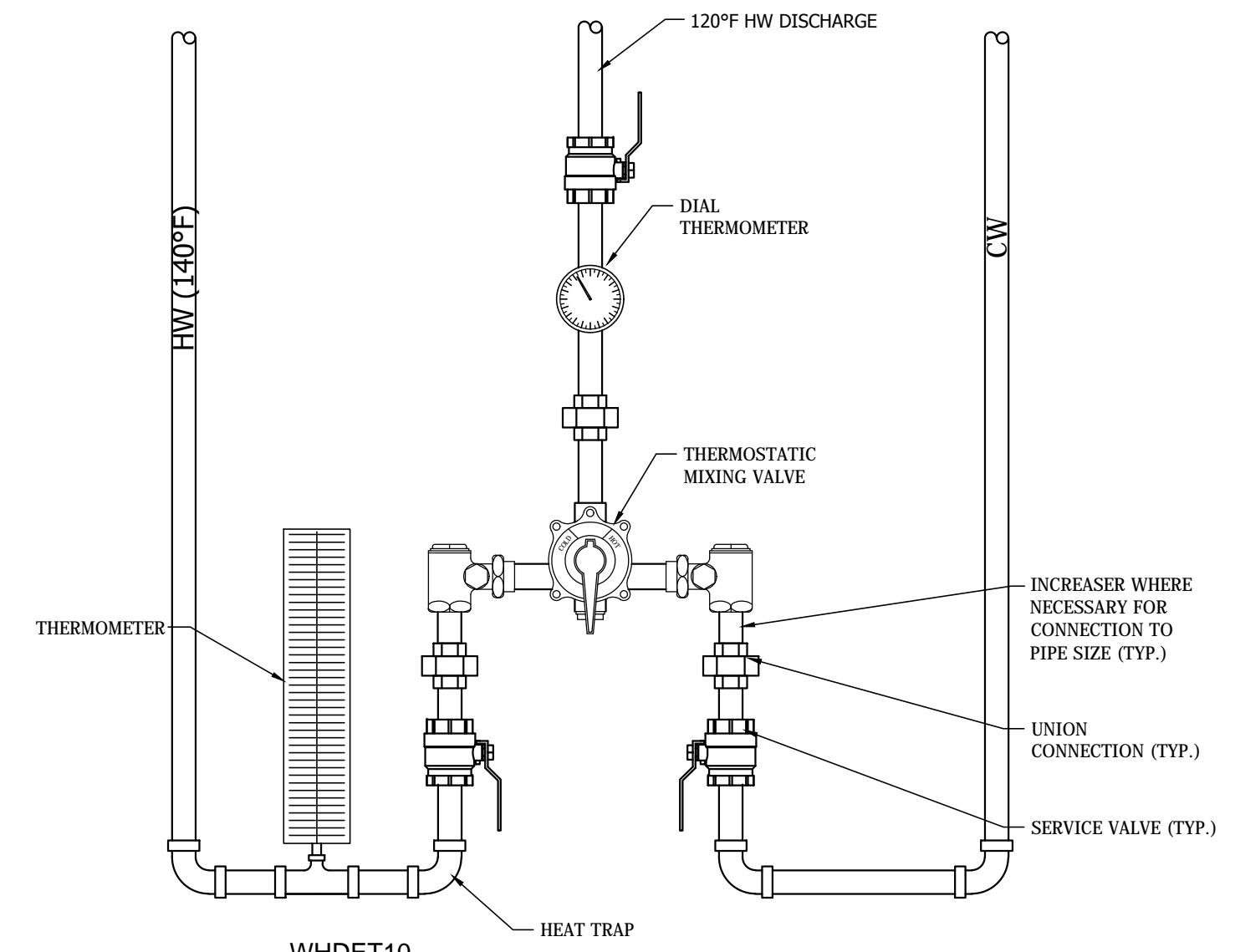
**P-16 WATER HEATER**  
**SUPPORT DETAIL**  
NOT TO SCALE



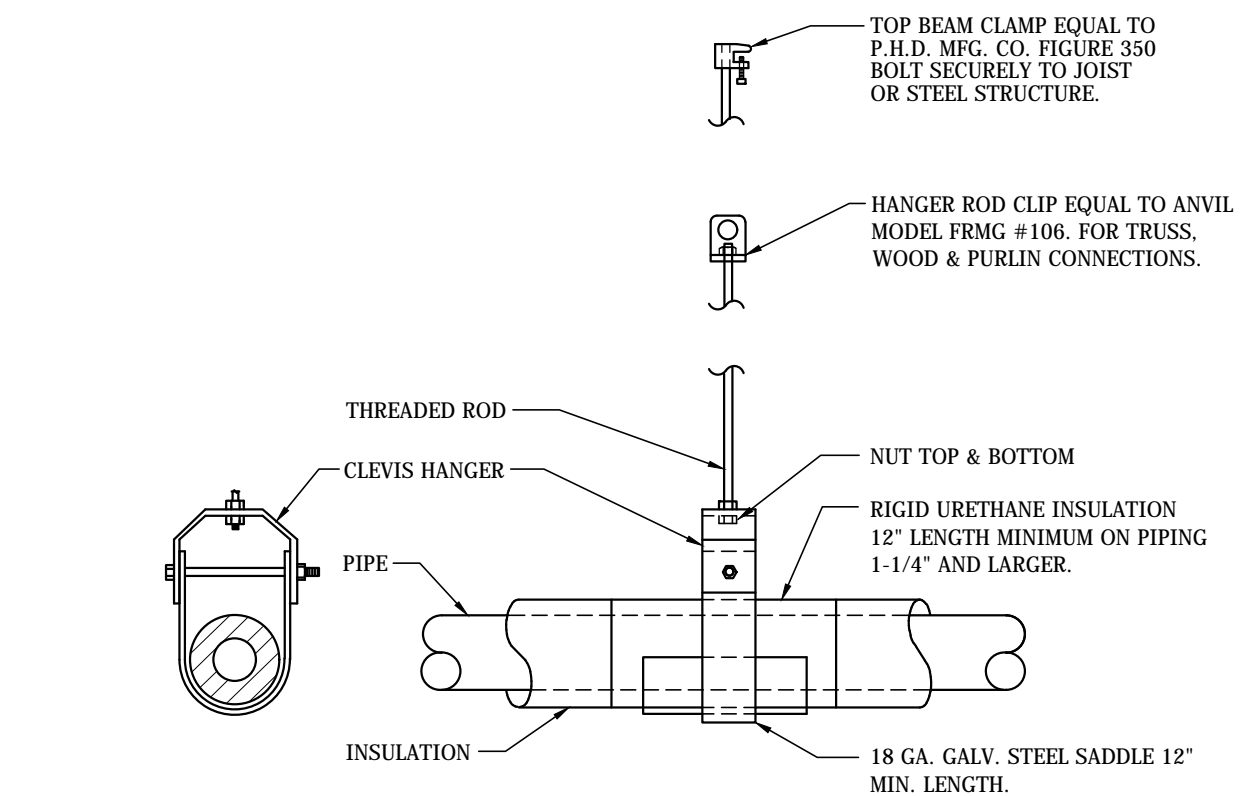
**VHDET01**  
**P-16**  
**WATER HEATER DETAIL**  
NOT TO SCALE



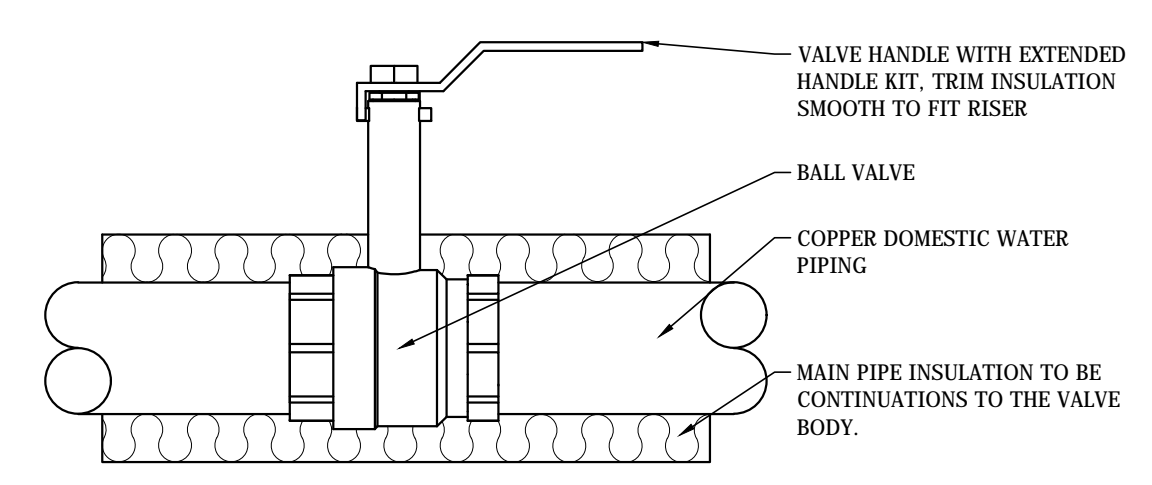
**P-17**  
**CIRCULATION PUMP DETAIL**  
NOT TO SCALE



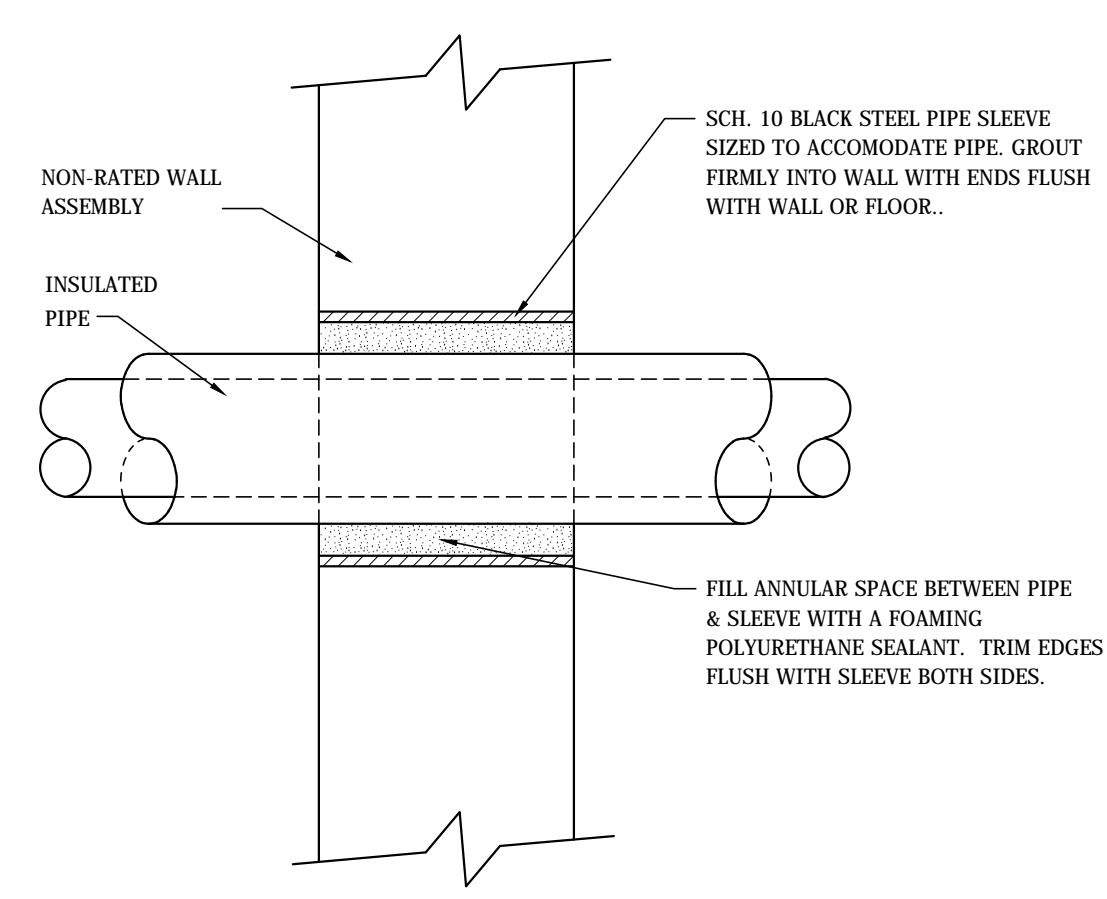
**VHDET10**  
**POINT OF USE**  
**MIXING VALVE DETAIL**  
NOT TO SCALE



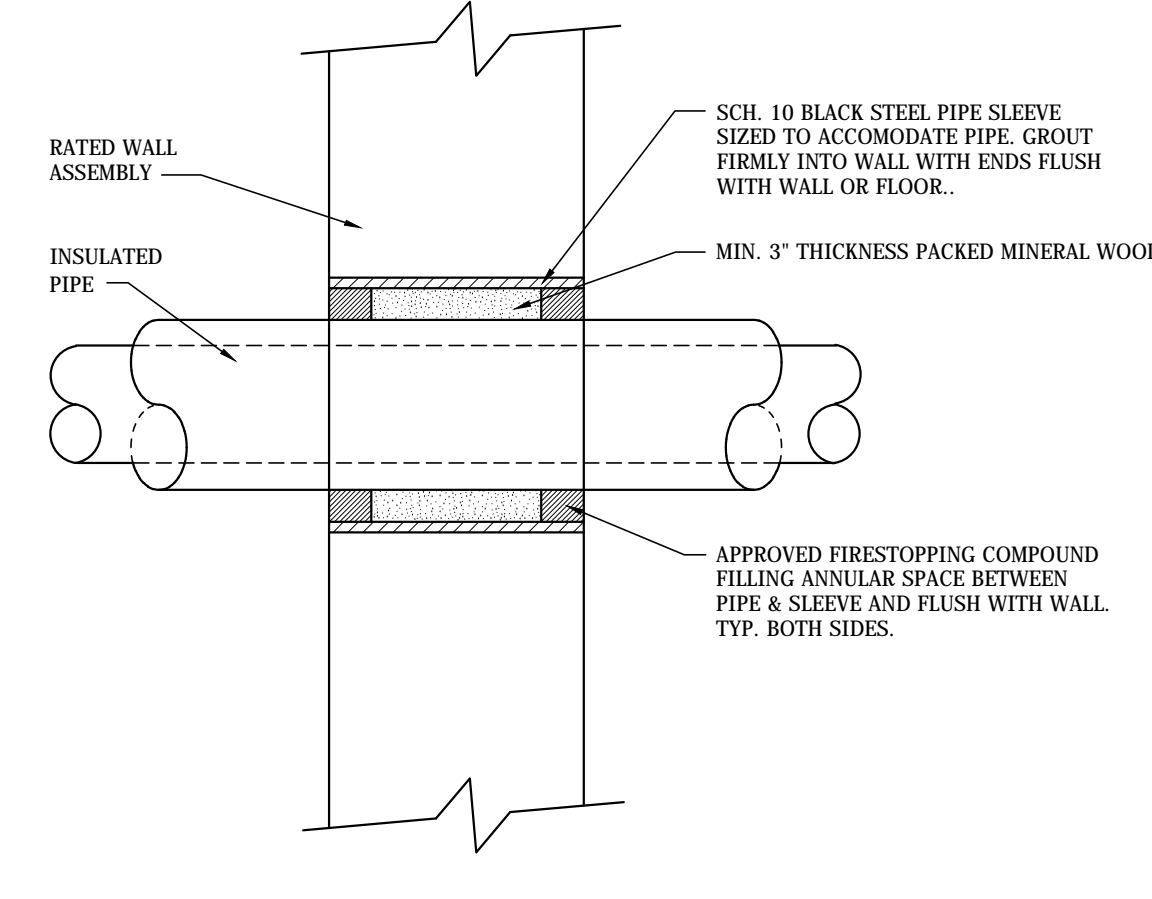
**HOT & COLD WATER**  
**PIPE HANGER DETAIL**  
NOT TO SCALE



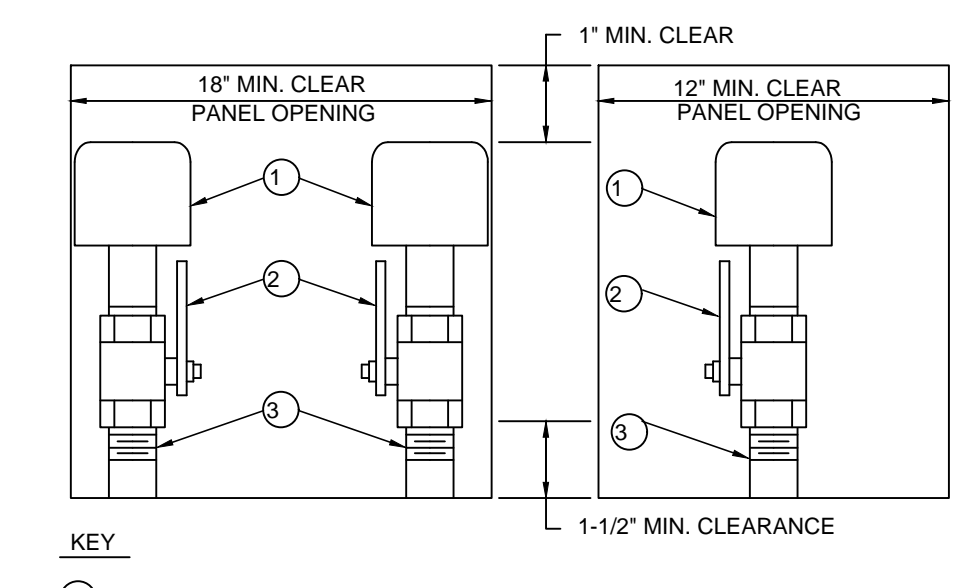
**HOT & COLD WATER PIPING**  
**SERVICE VALVE DETAIL**  
NOT TO SCALE



**NON-RATED WALL**  
**PIPE SLEEVE DETAIL**  
NOT TO SCALE

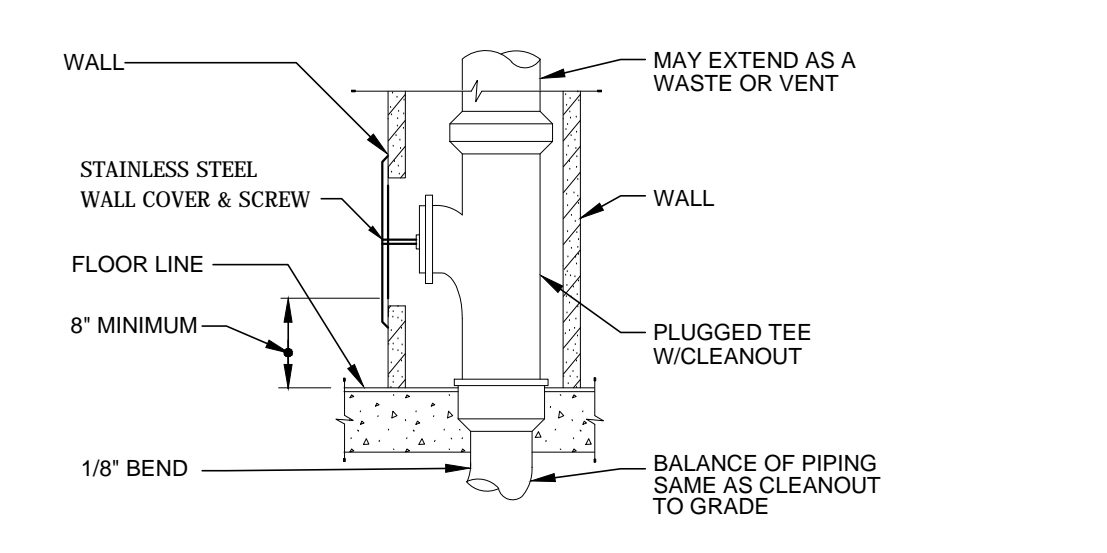


**RATED-U.L. LISTED WALL**  
**PIPE SLEEVE DETAIL**  
NOT TO SCALE

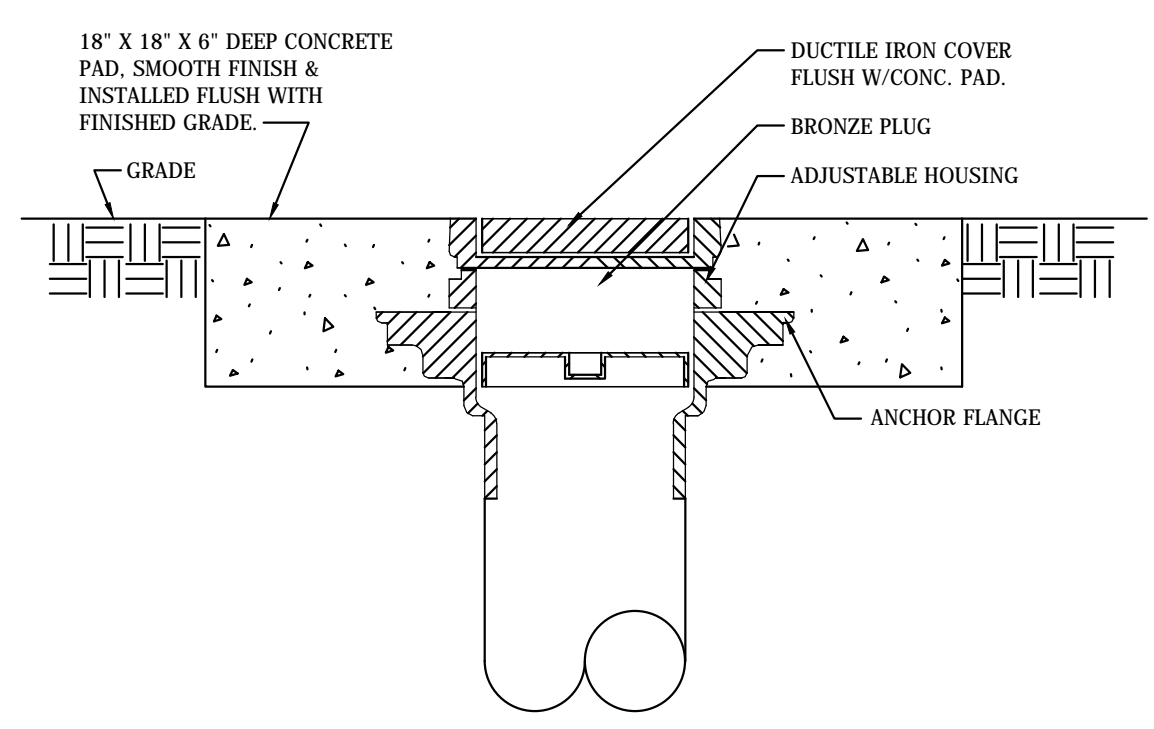


- KEY:
- 1 WATER HAMMER ARRESTOR
  - 2 BALL VALVE. SAME NOMINAL SIZE AS PIPE BRANCH IN CHASE. OPENING IN BALL VALVE TO MATCH PIPE I.D.
  - 3 PIPE SAME SIZE AS BRANCH IN CHASE TO WHICH IT IS ATTACHED.
- NOTE: PROVIDE REDUCER IF REQUIRED BETWEEN VALVE AND WATER HAMMER ARRESTOR.

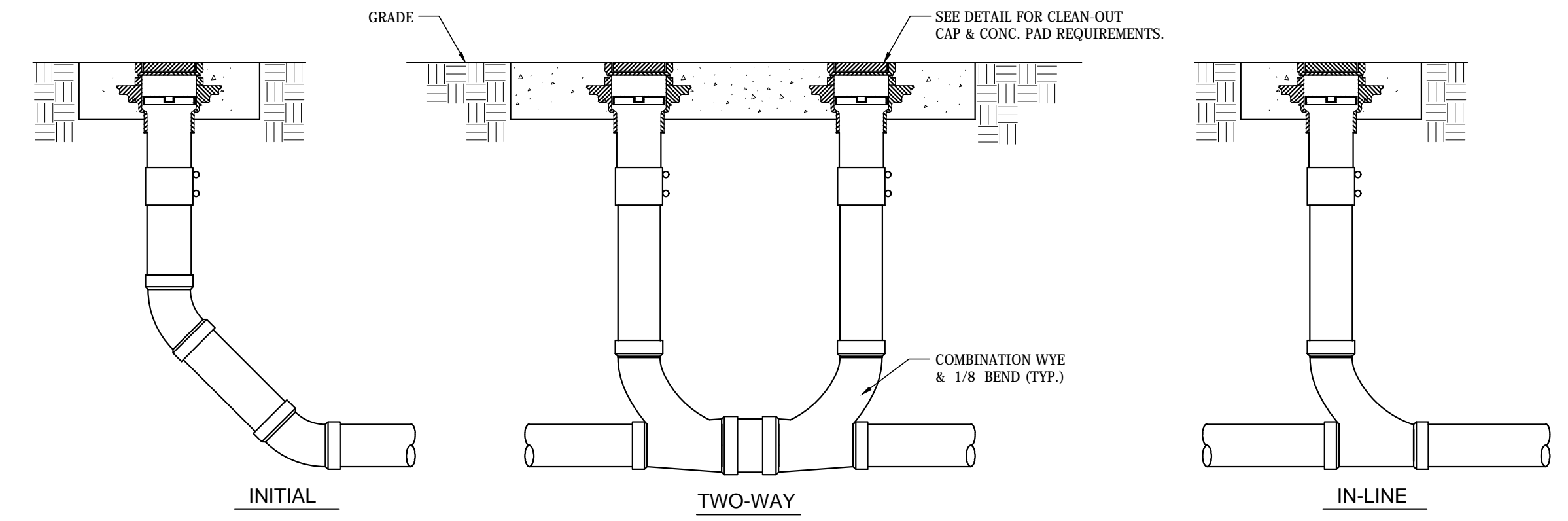
**SINGLE AND DOUBLE APPLICATION**  
**TYPICAL WATER HAMMER ARRESTOR**  
NOT TO SCALE



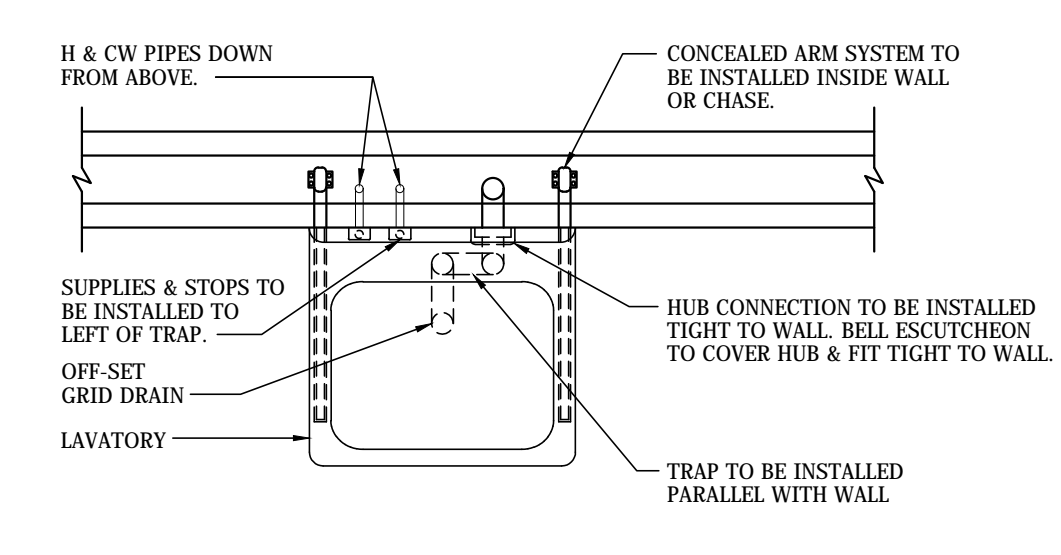
**WALL CLEANOUT DETAIL (WCO)**  
NOT TO SCALE



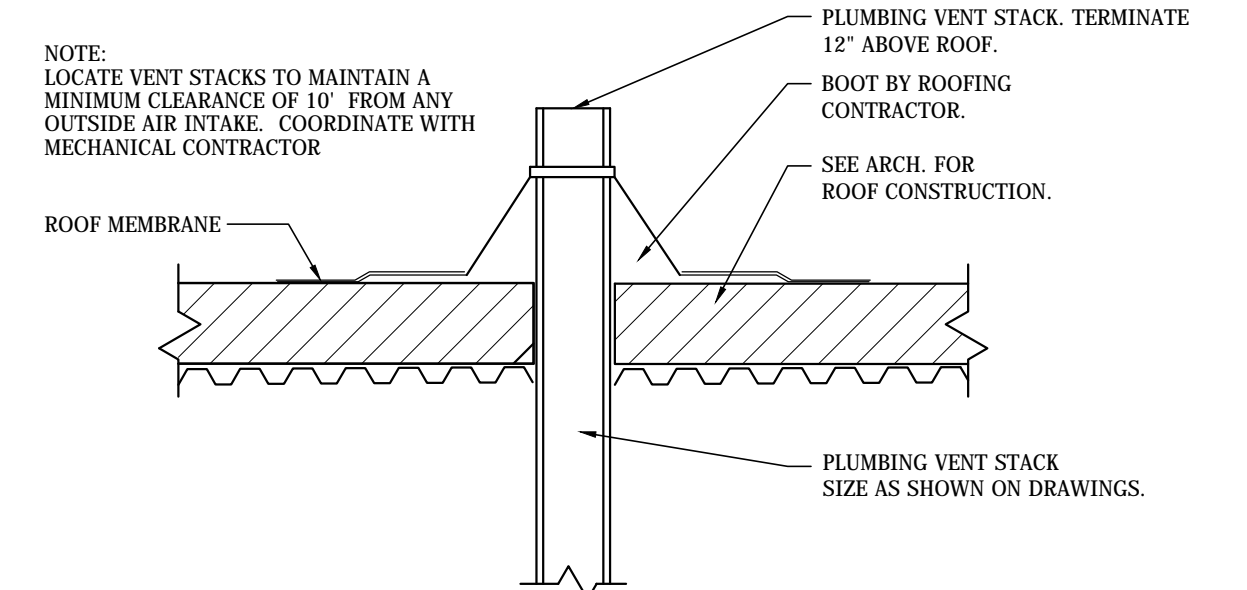
**EXTERIOR CLEANOUT DETAIL**  
NOT TO SCALE



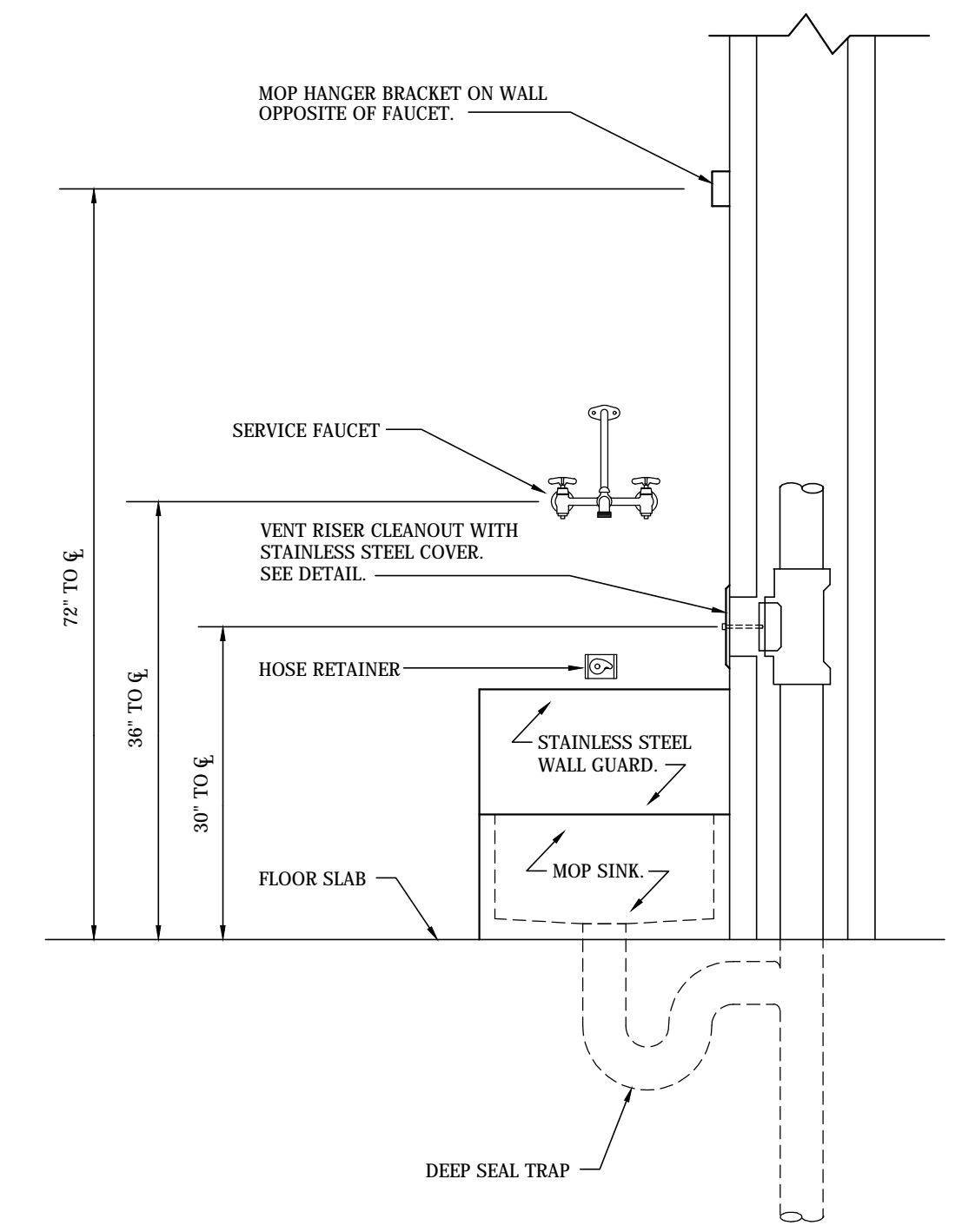
**EXTERIOR CLEANOUT DETAILS**  
NOT TO SCALE



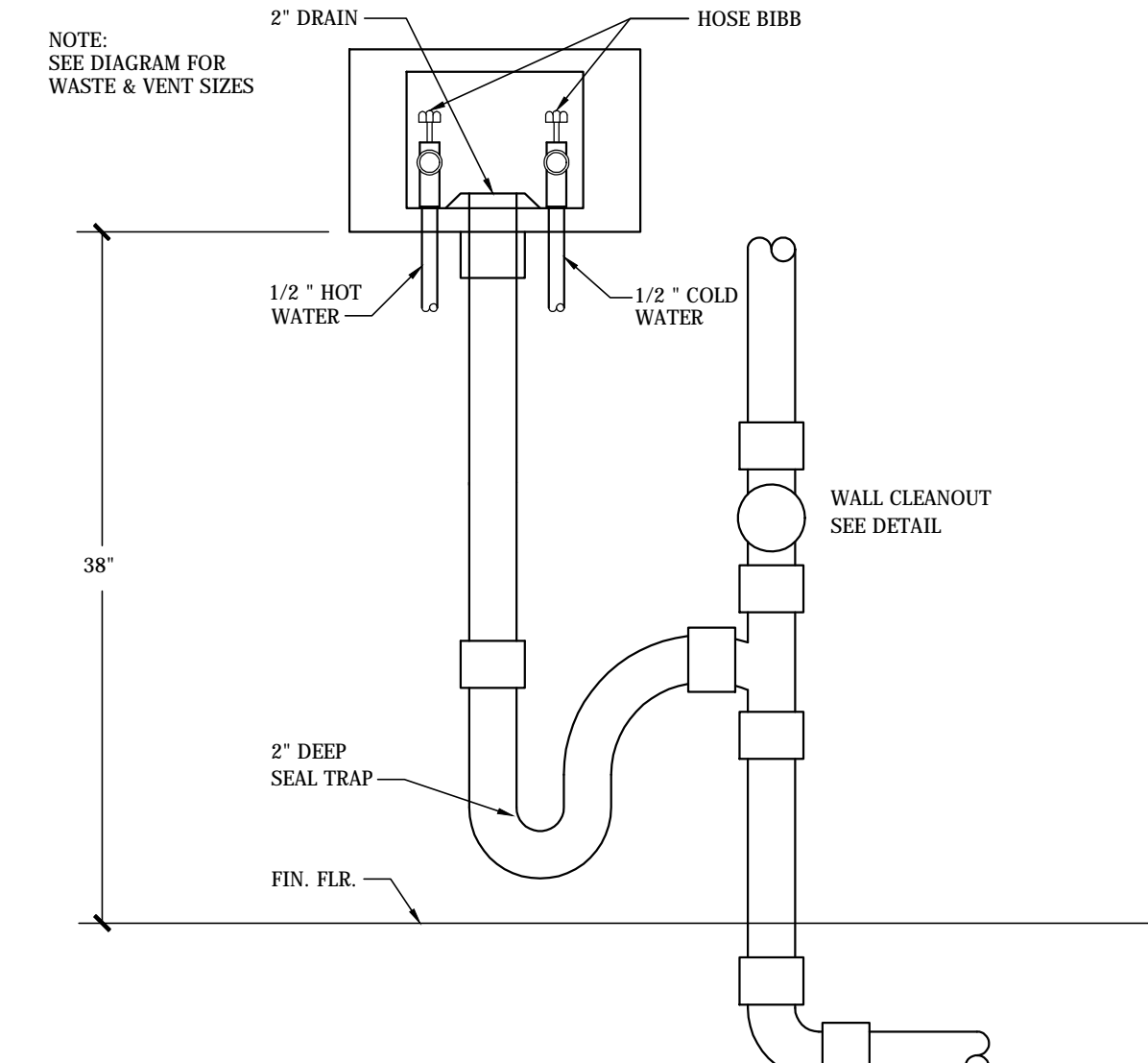
**HANDICAPPED LAV.**  
**PIPE INSTALLATION DETAIL**  
NOT TO SCALE



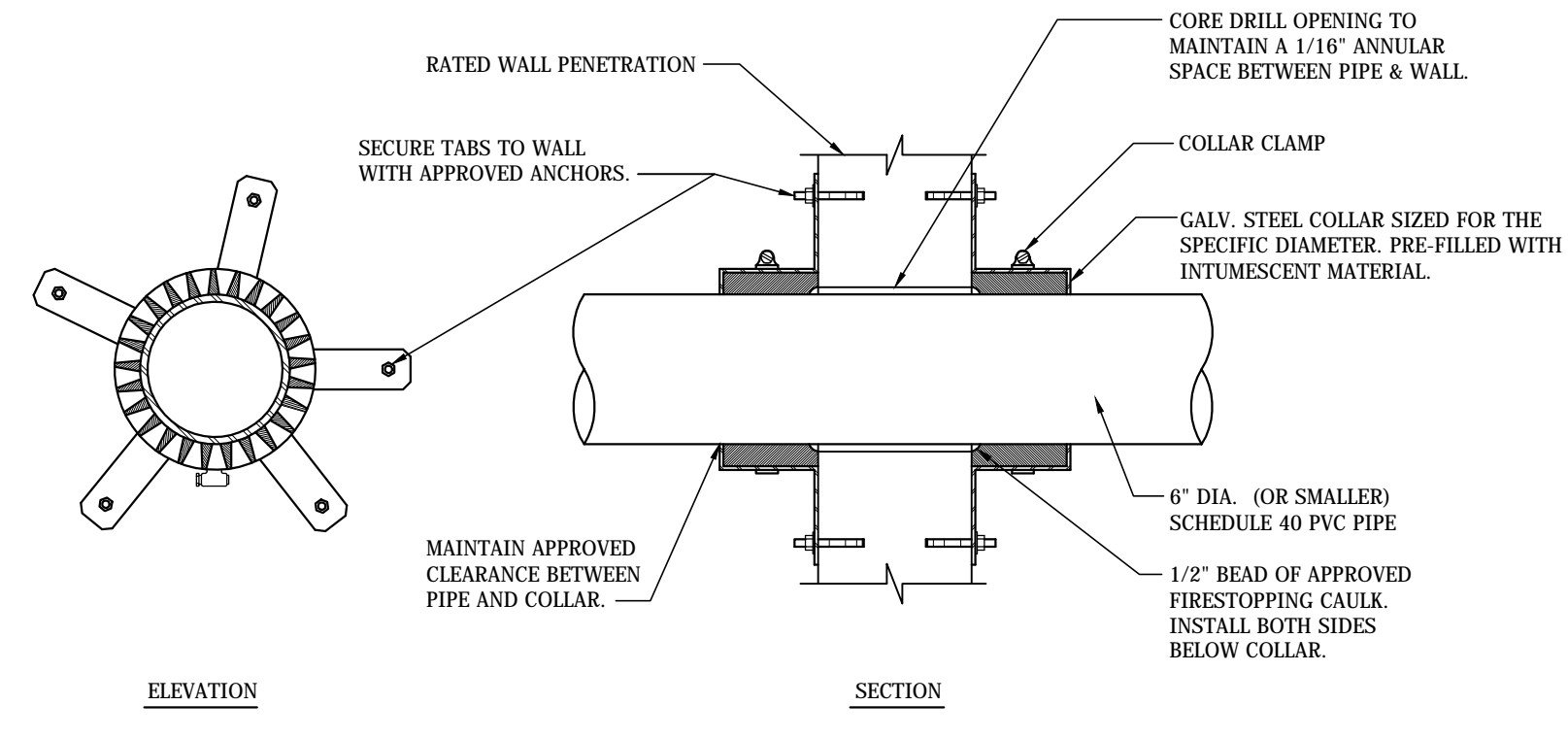
**PLUMBING VENT THRU ROOF DETAIL**  
NOT TO SCALE



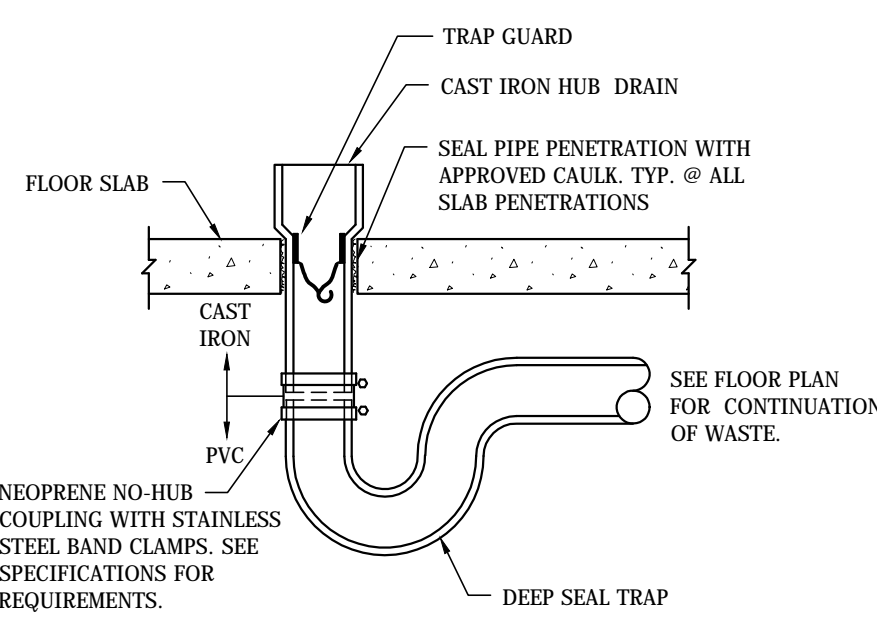
**MOP SINK INSTALLATION DETAIL**  
NOT TO SCALE



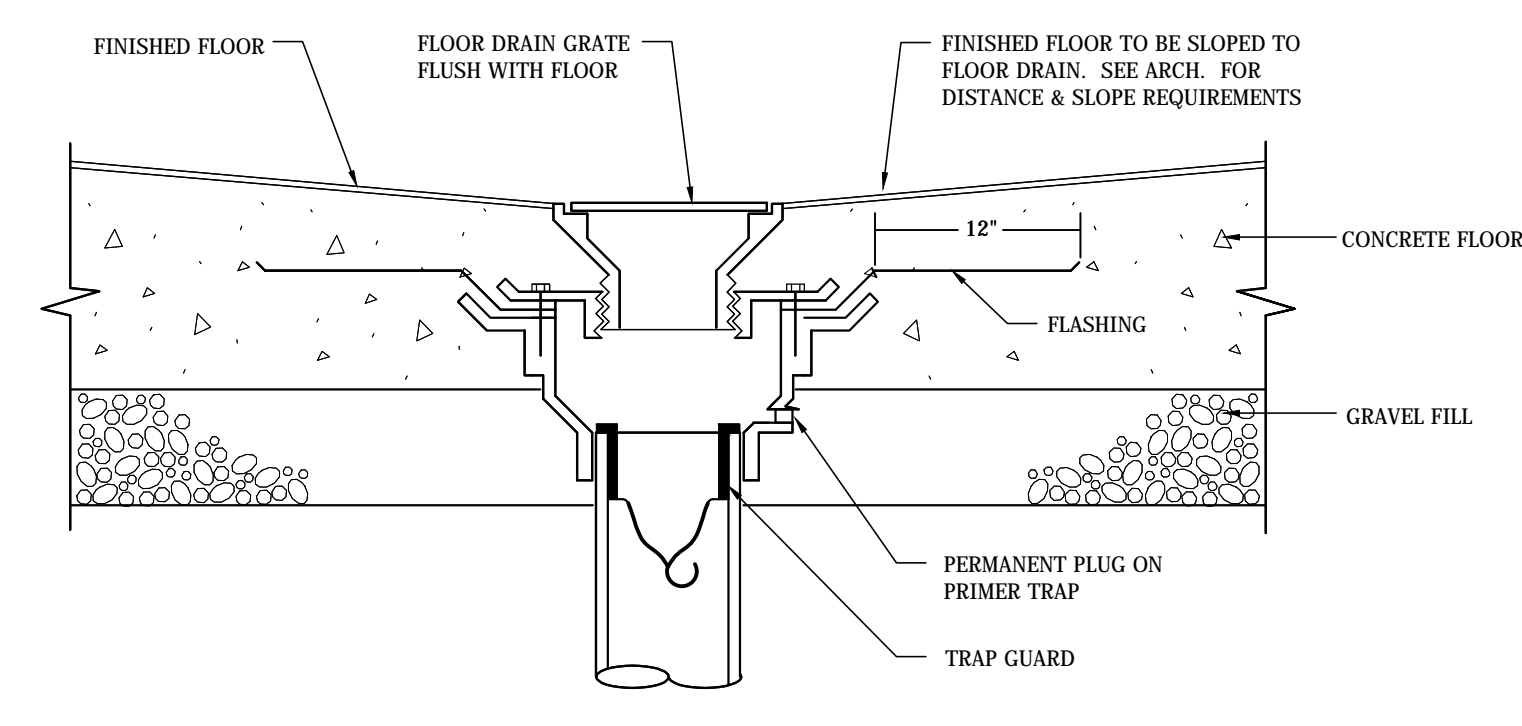
**WASHER BOX DETAIL**  
NOT TO SCALE



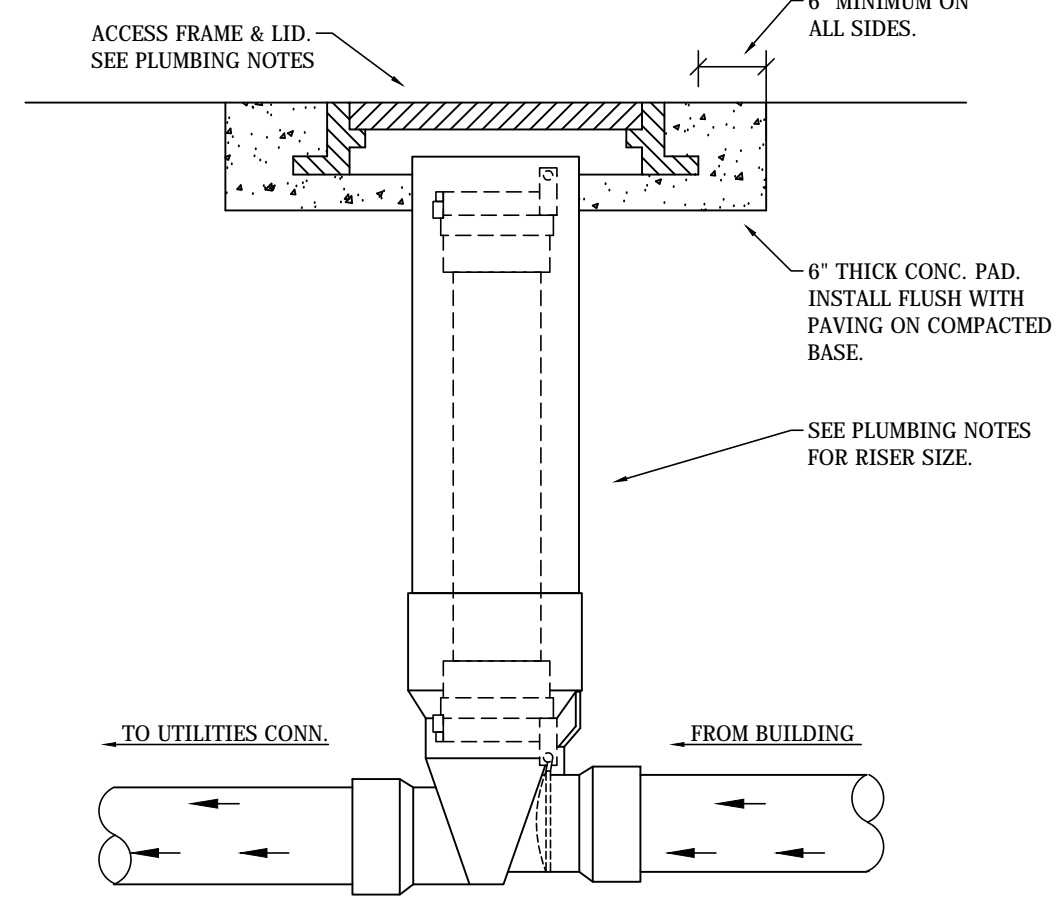
**PVC PIPE THRU WALL (U.L. LISTED)**  
**FIRE STOPPING DETAIL**  
NOT TO SCALE



**HUB DRAIN DETAIL**  
NOT TO SCALE



**FLOOR ON GRADE**  
**FLOOR DRAIN DETAIL**  
NOT TO SCALE



**BACKWATER VALVE DETAIL**  
NOT TO SCALE





THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPEURSEM ARCHITECTS

**DECATUR CITY SCHOOLS  
 AUSTIN HIGH SCHOOL  
 CAREER TECH CENTER  
 DECATUR, ALABAMA**

JOB NUMBER  
**17922**

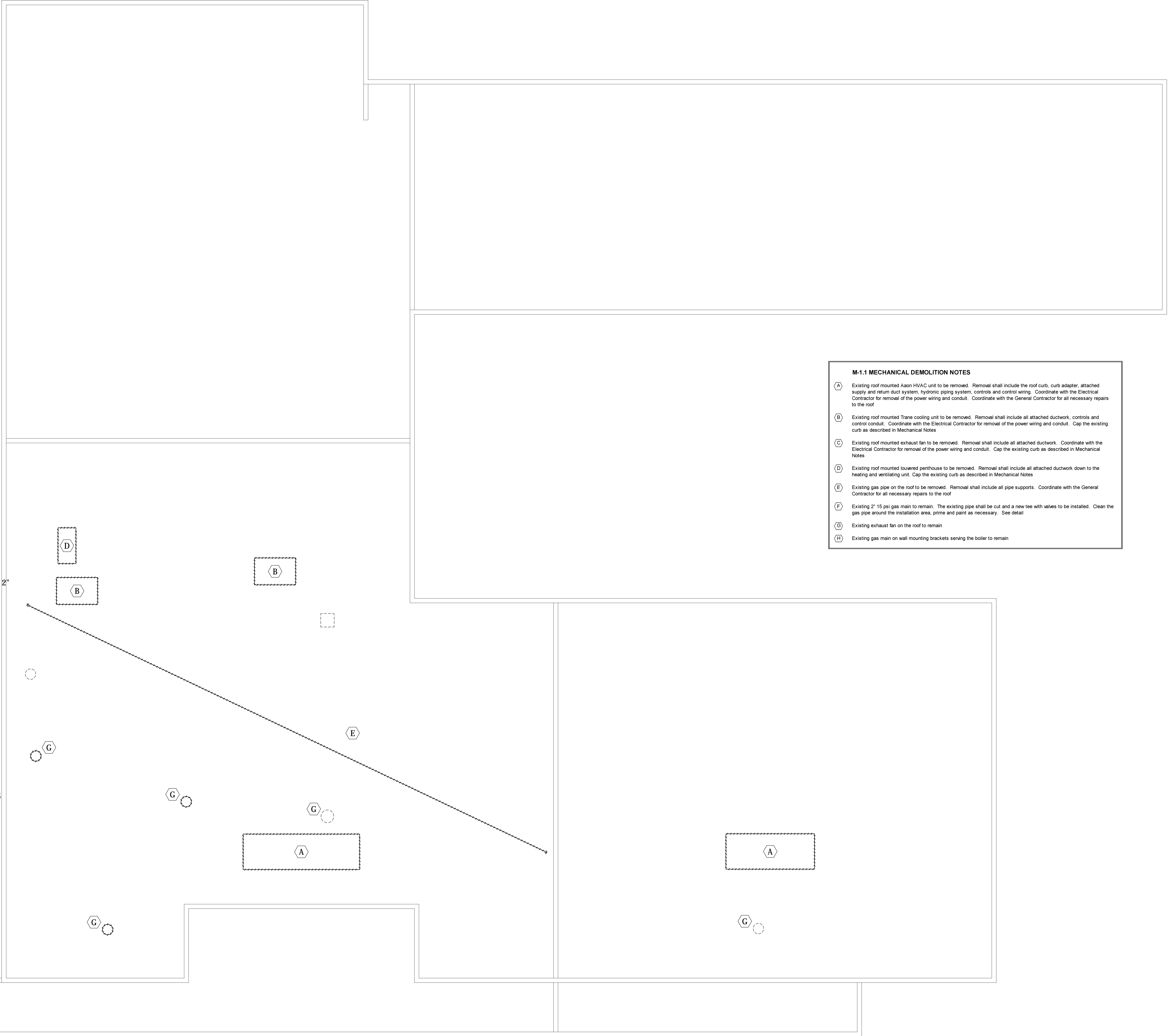
ZWV/JSD / JRM / 04-25-2016  
 DRAWN - CHECKED - DATE

REVISIONS

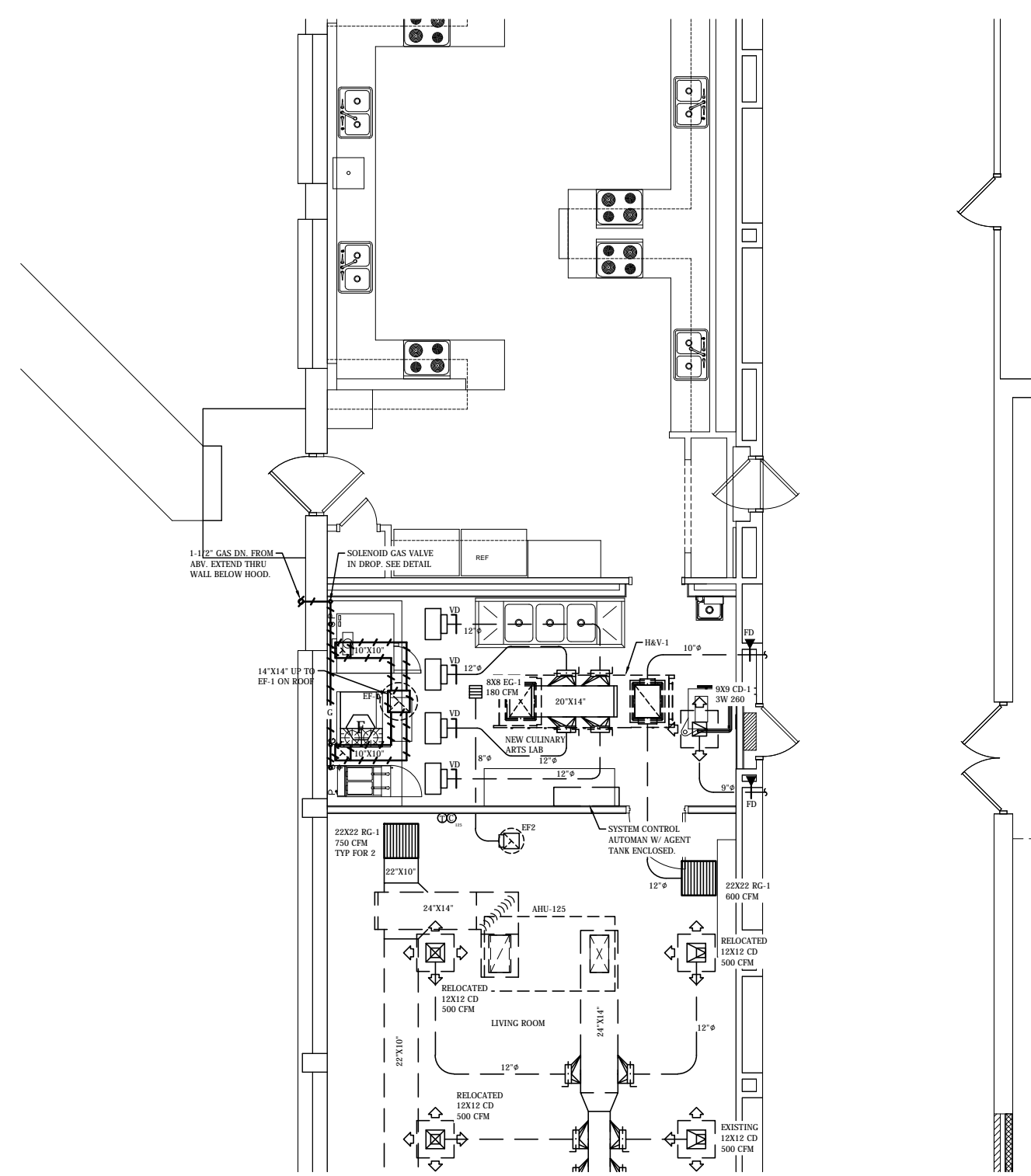
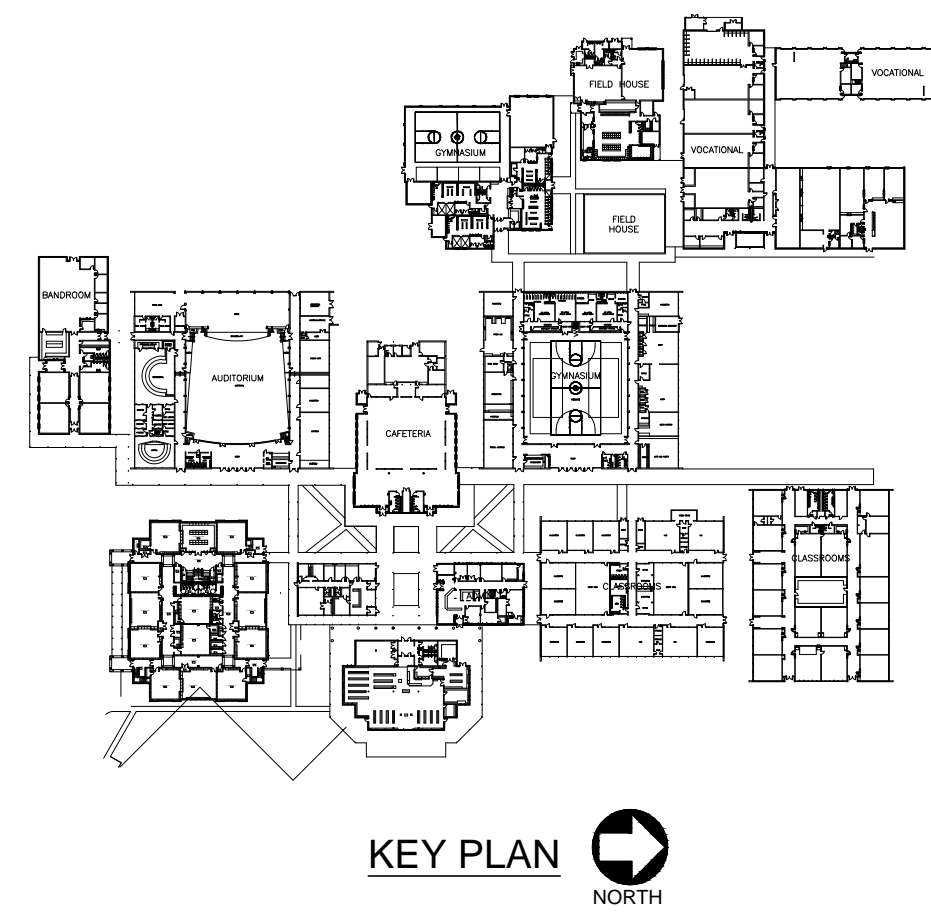
SHEET TITLE  
**MECHANICAL DEMOLITION ROOF PLAN**

SHEET NUMBER  
**M-1.1  
OF  
7**

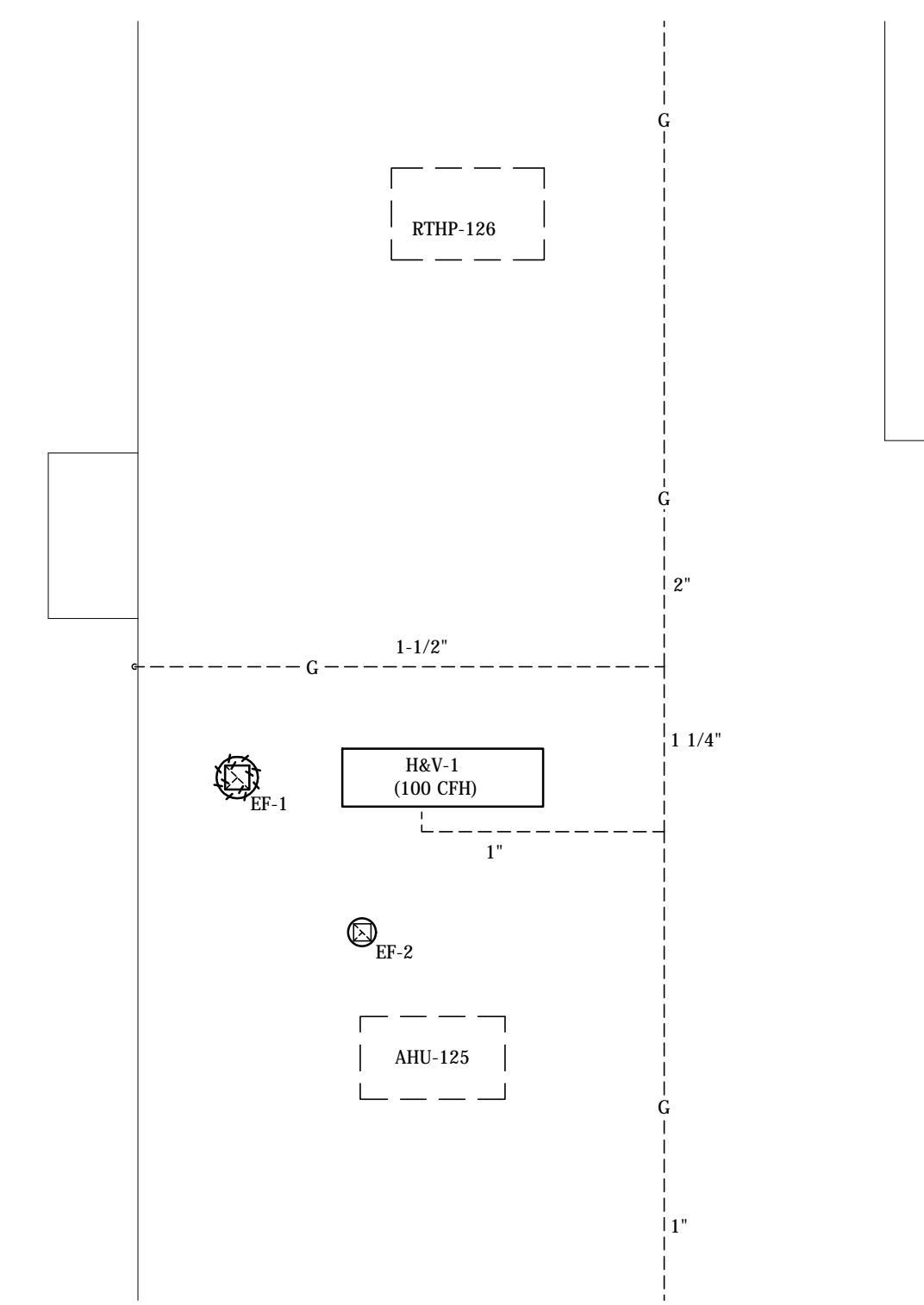
- M-1.1 MECHANICAL DEMOLITION NOTES**
- (A) Existing roof mounted Aeon HVAC unit to be removed. Removal shall include the roof curb, curb adapter, attached supply and return duct system, hydronic piping system, controls and control wiring. Coordinate with the Electrical Contractor for removal of the power wiring and conduit. Coordinate with the General Contractor for all necessary repairs to the roof.
  - (B) Existing roof mounted Trane cooling unit to be removed. Removal shall include all attached ductwork, controls and control conduit. Coordinate with the Electrical Contractor for removal of the power wiring and conduit. Cap the existing curb as described in Mechanical Notes.
  - (C) Existing roof mounted exhaust fan to be removed. Removal shall include all attached ductwork. Coordinate with the Electrical Contractor for removal of the power wiring and conduit. Cap the existing curb as described in Mechanical Notes.
  - (D) Existing roof mounted lowered penthouse to be removed. Removal shall include all attached ductwork down to the heating and ventilating unit. Cap the existing curb as described in Mechanical Notes.
  - (E) Existing gas pipe on the roof to be removed. Removal shall include all pipe supports. Coordinate with the General Contractor for all necessary repairs to the roof.
  - (F) Existing 2" 15 psi gas main to remain. The existing pipe shall be cut and a new tee with valves to be installed. Clean the gas pipe around the installation area, prime and paint as necessary. See detail.
  - (G) Existing exhaust fan on the roof to remain.
  - (H) Existing gas main on wall mounting brackets serving the boiler to remain.



DEMOLITION  
**MECHANICAL ROOF PLAN**  
 SCALE: 3/8" = 1'-0"

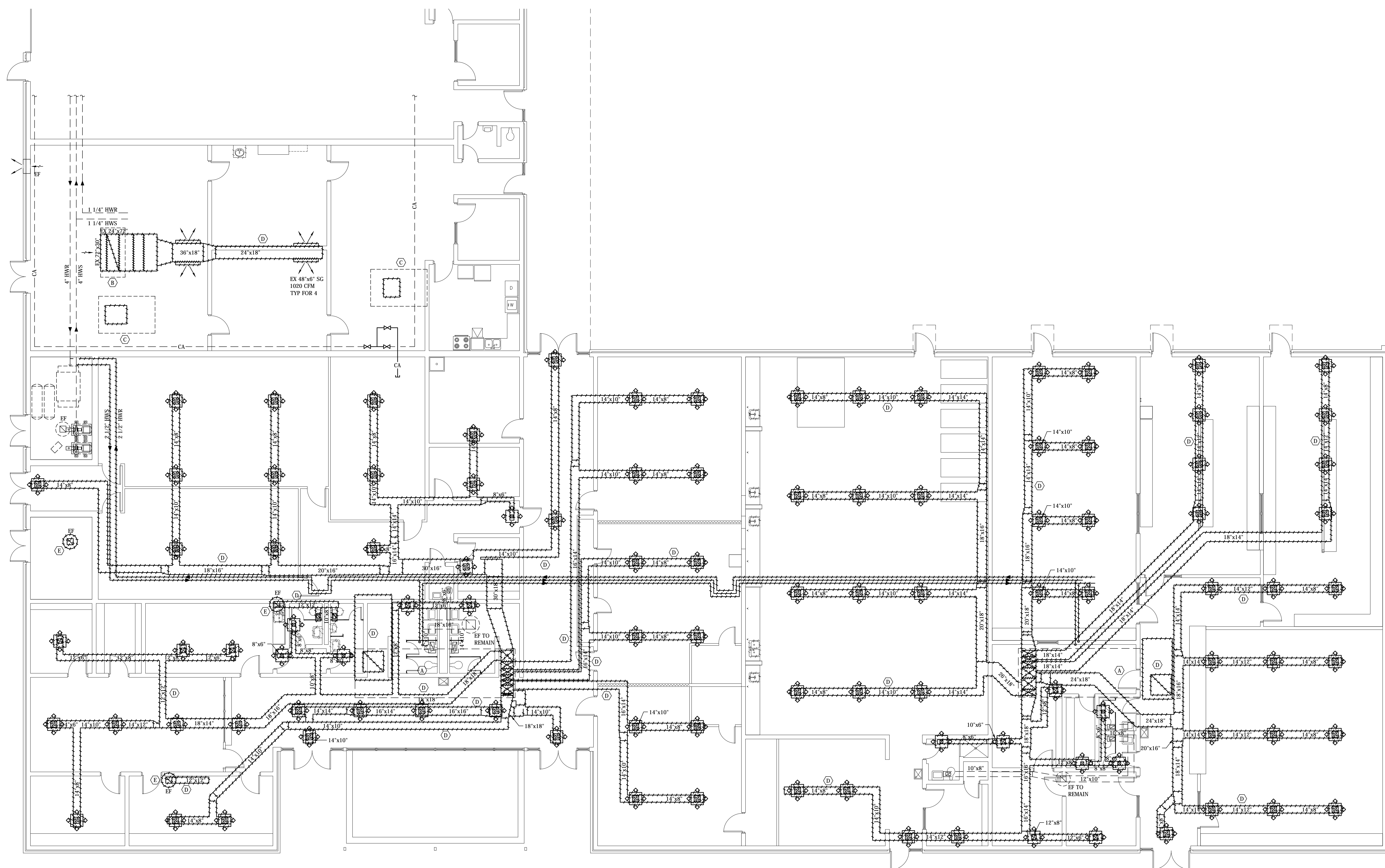


DHS CULINARY  
MECHANICAL FLOOR PLAN  
SCALE: 1/8" = 1'-0"

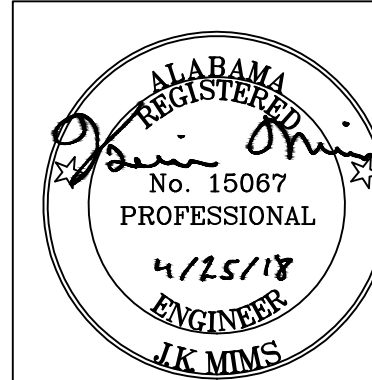
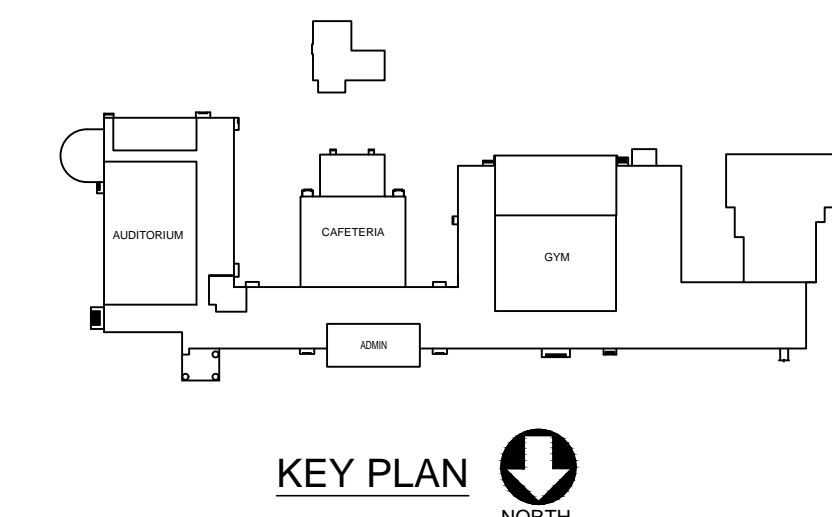


DHS CULINARY  
MECHANICAL ROOF PLAN  
SCALE: 1/8" = 1'-0"

- M-1.2 MECHANICAL DEMOLITION NOTES**
- (A) Existing Aeon unit is shown on the M-1.1 Demolition Roof Plan to be removed. All duct systems for this unit is to be removed. Removal shall include all straps, supports and grilles.
  - (B) Existing heating and ventilating unit is to be removed. Removal shall include all of the ducted systems, hydronic hot water piping back to the mains, pneumatic operators and tubing back to the mains, controls and control wiring and support steel. After removal of the branch runouts, new 1-1/4" service valves and a full size calibrated balancing valve shall be installed and set for 12 GPM. Coordinate with the Electrical Contractor for removal of the power wiring and conduit. See Renovation Mechanical Floor Plans for the new balancing valves required on the hydronic pipe runouts. Coordinate with the Electrical Contractor for removal of the power wiring and conduit.
  - (C) Existing Trane units are shown on M-1.1 Mechanical Roof Plan to be removed. All existing supply, return duct drops into the plenum area to be removed. Removal shall include all flex duct runouts, attached grilles and duct support straps.
  - (D) Existing air distribution system is to be removed. Removal is to include insulation, runouts, supports, straps and grilles. Coordinate with the General Contractor where the duct is removed through a rated wall as identified on the Architectural Plans. Those opening will require infill.
  - (E) Controls for the Aeon units, Trane Units and Heating and Ventilating unit are present in the spaces but have not been shown. Controls that are removed and not replaced with new shall have a stainless steel wall cover plate installed on the junction box.
  - (F) Existing hydronic heating supply and return piping to be removed. Removal shall be made back to the wall of the boiler room. After removal of the branch runouts, new 2-1/2" service valves and a full size calibrated balancing valve shall be installed and set for 56 GPM.
- M-1.2 DECATUR HIGH SCHOOL CULINARY MECHANICAL DEMOLITION NOTES**
- (G) Existing range hood shall be removed and relocated to Austin Career Tech Culinary. Care must be taken when removing the existing steel exhaust duct and supply duct to the supply plenum assembly. Removal shall include the complete Ansul-R 102 Fire Suppression system including the pull station, Main Hood Controller, area thermostat and all attachments. Prior to removal, the complete system must be energized to confirm operation. A document shall be prepared to include results of that test. The Ansul-R system will be tested with a compressed air tank to determine functionality of the system. All component will be transported to Austin Career Tech for installation. See renovation drawings for additional required work.
  - (H) Existing gas to be removed. Removal shall include the gas piping on the roof, down and into the kitchen and connections to all cooking devices.
  - (I) Existing welded steel exhaust duct is to be removed. Removal shall include all duct supports and wrap insulation. The duct will not be reused for the installation at Austin. See Specifications for the new duct.
  - (J) Existing exhaust fan on the roof shall be removed and relocated to the Austin Career Tech Culinary. All exhaust duct inside the curb is to be removed. After removal, a permanent sheet metal cap shall be installed on the curb. See Mechanical Notes and Exhaust Fan Schedule for EF-1 requirements.



DEMOLITION - DUCTED SYSTEMS  
MECHANICAL FLOOR PLAN  
SCALE: 1/8" = 1'-0"



**NOLA VANPEURSEM**  
ARCHITECTS, PC  
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
301 LEFFERSON STREET  
HUNTSVILLE, ALABAMA 35891  
(256) 868-8487  
NVPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPEURSEM ARCHITECTS

**DECATUR CITY SCHOOLS**  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
DECATUR, ALABAMA

JOB NUMBER  
17922

ZWW/USD / JRM / 04-25-2016  
DRAWN - CHECKED - DATE

REVISIONS


SHEET TITLE  
**MECHANICAL DEMOLITION FLOOR PLANS**

SHEET NUMBER  
**M-1.2**  
OF  
**7**

**M E** **MIMS ENGINEERING INC.**  
CONSULTING ENGINEERS  
112 SOUTH SIDE SQUARE, SUITE B  
HUNTSVILLE, ALABAMA 35891  
PHONE: 256-881-4120  
WWW.MIMSENGINEERING.COM



**NOLA VANPEURSEM**  
 ARCHITECTS, PC  
 MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
 301 LEEFLESON STREET  
 HUNTSVILLE, ALABAMA 35891  
 (256) 858-8477  
 NVPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPEURSEM ARCHITECTS

DECATUR CITY SCHOOLS  
 AUSTIN HIGH SCHOOL  
 CAREER TECH CENTER  
 DECATUR, ALABAMA

JOB NUMBER  
 17922

ZWW/JSD / JRM / 04-25-2016  
 DRAWN - CHECKED - DATE

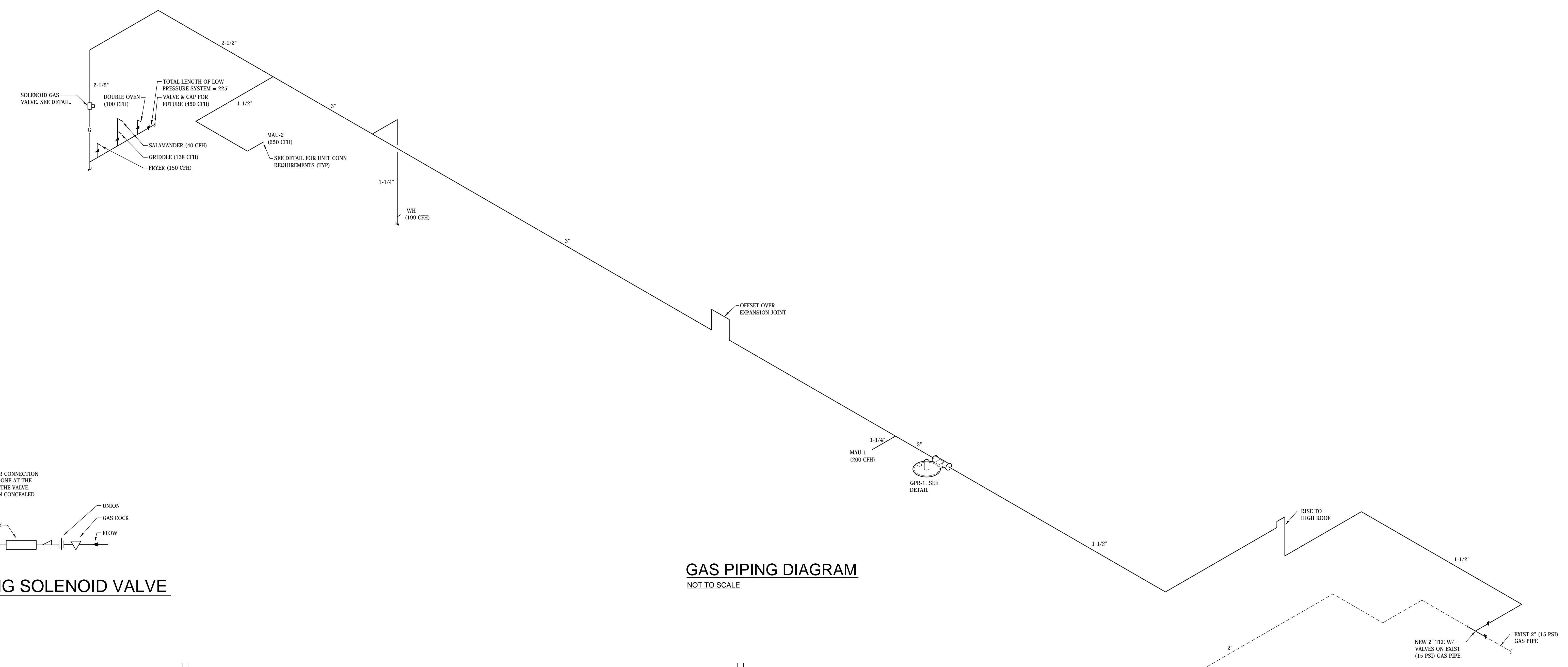
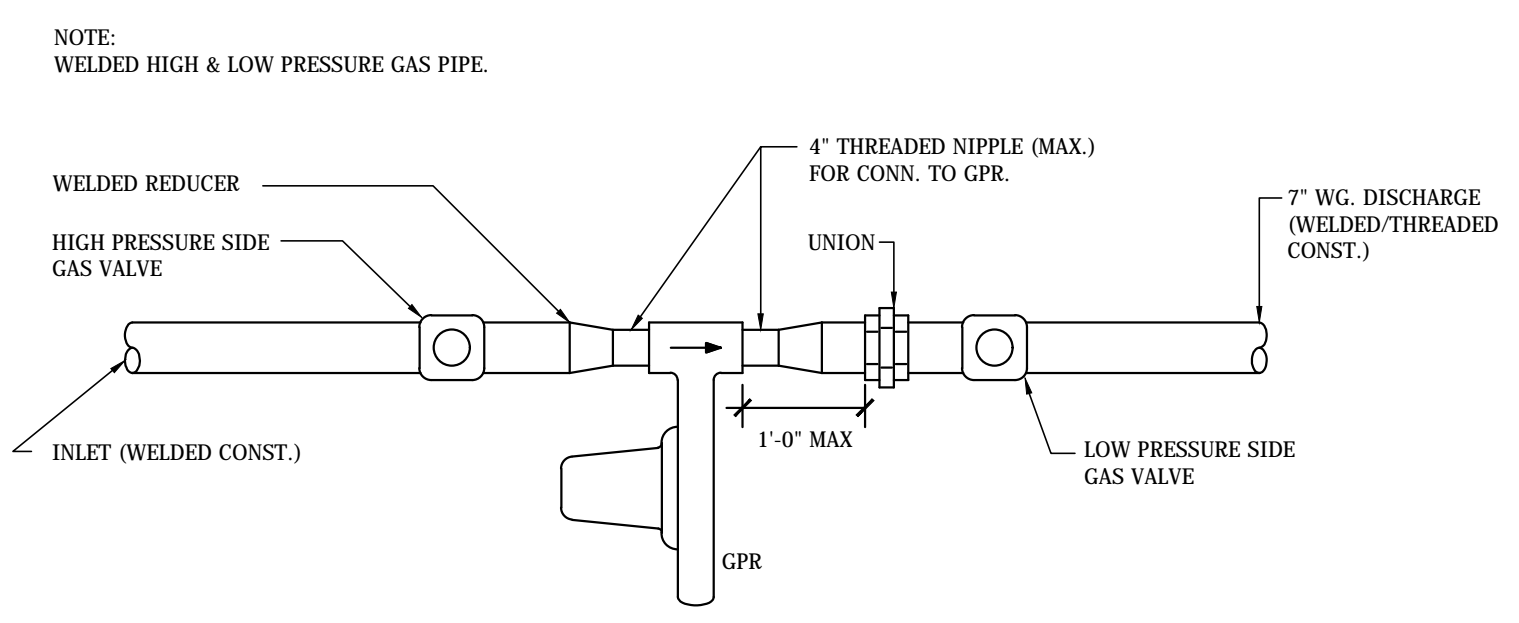
REVISIONS

SHEET TITLE

MECHANICAL  
 ROOF PLAN

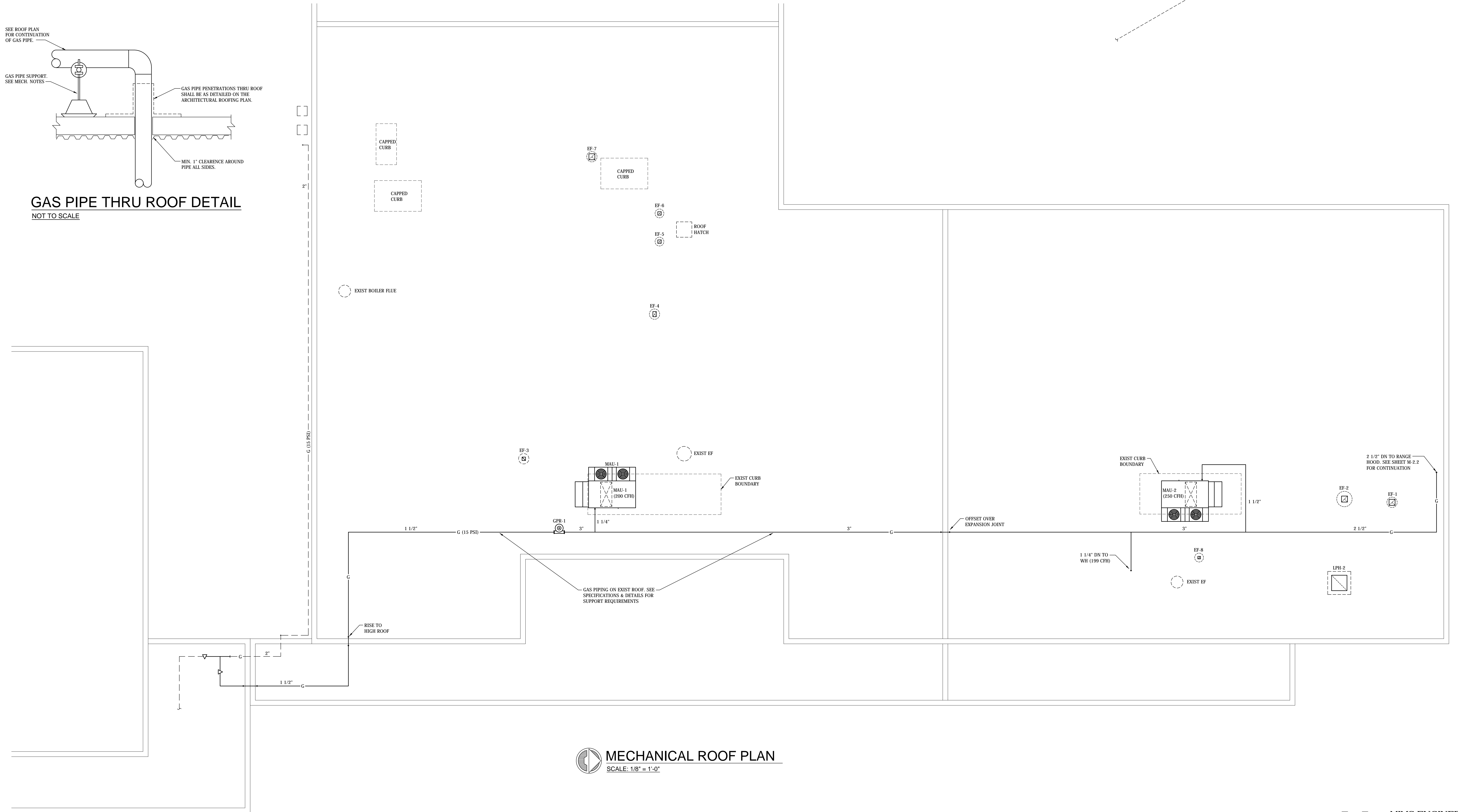
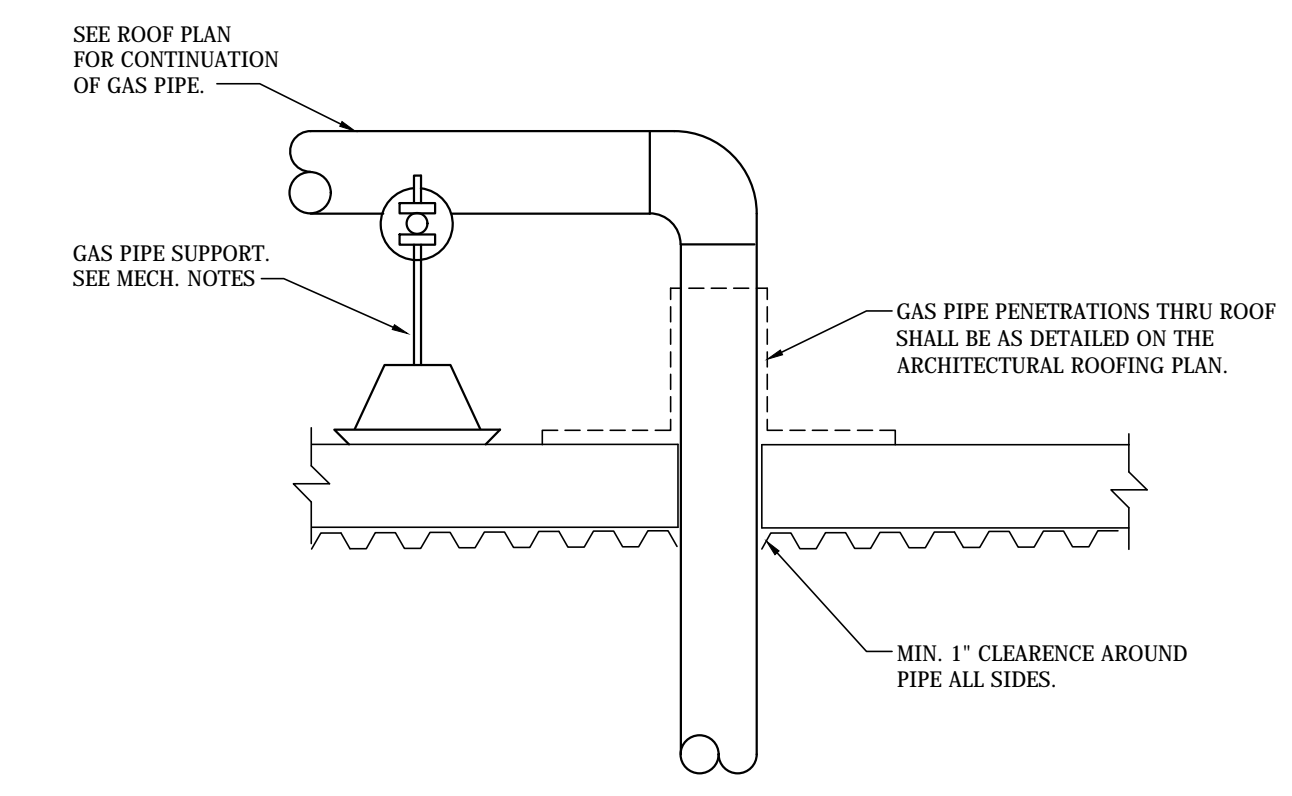
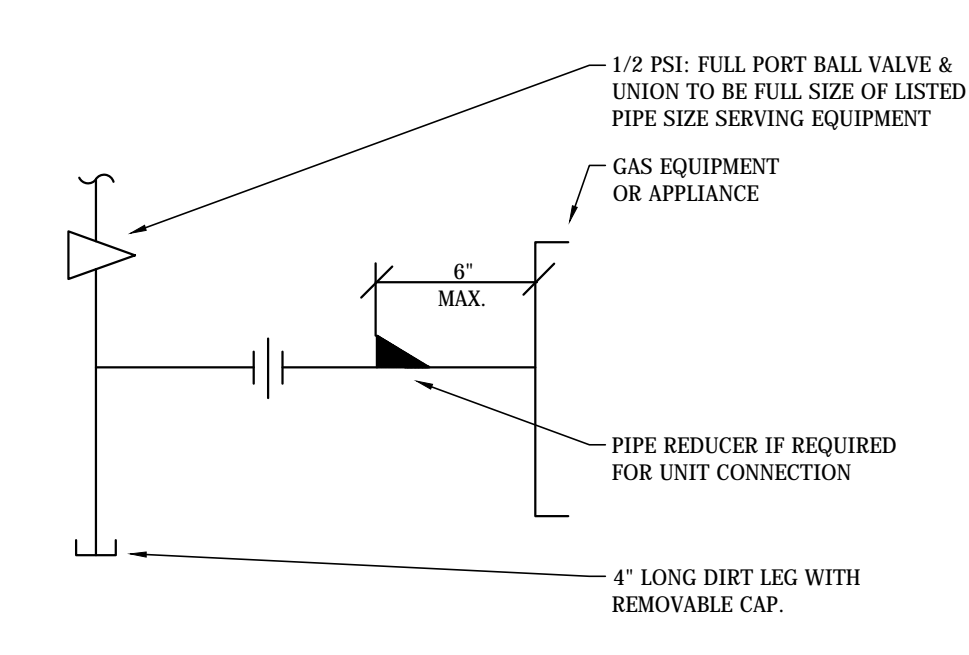
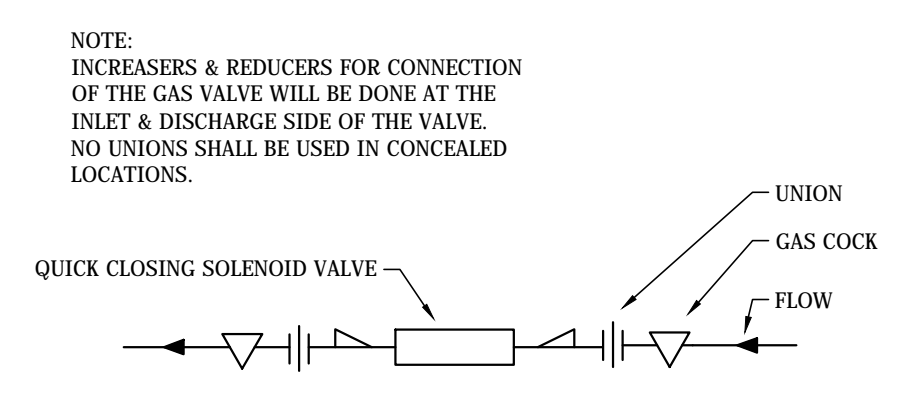
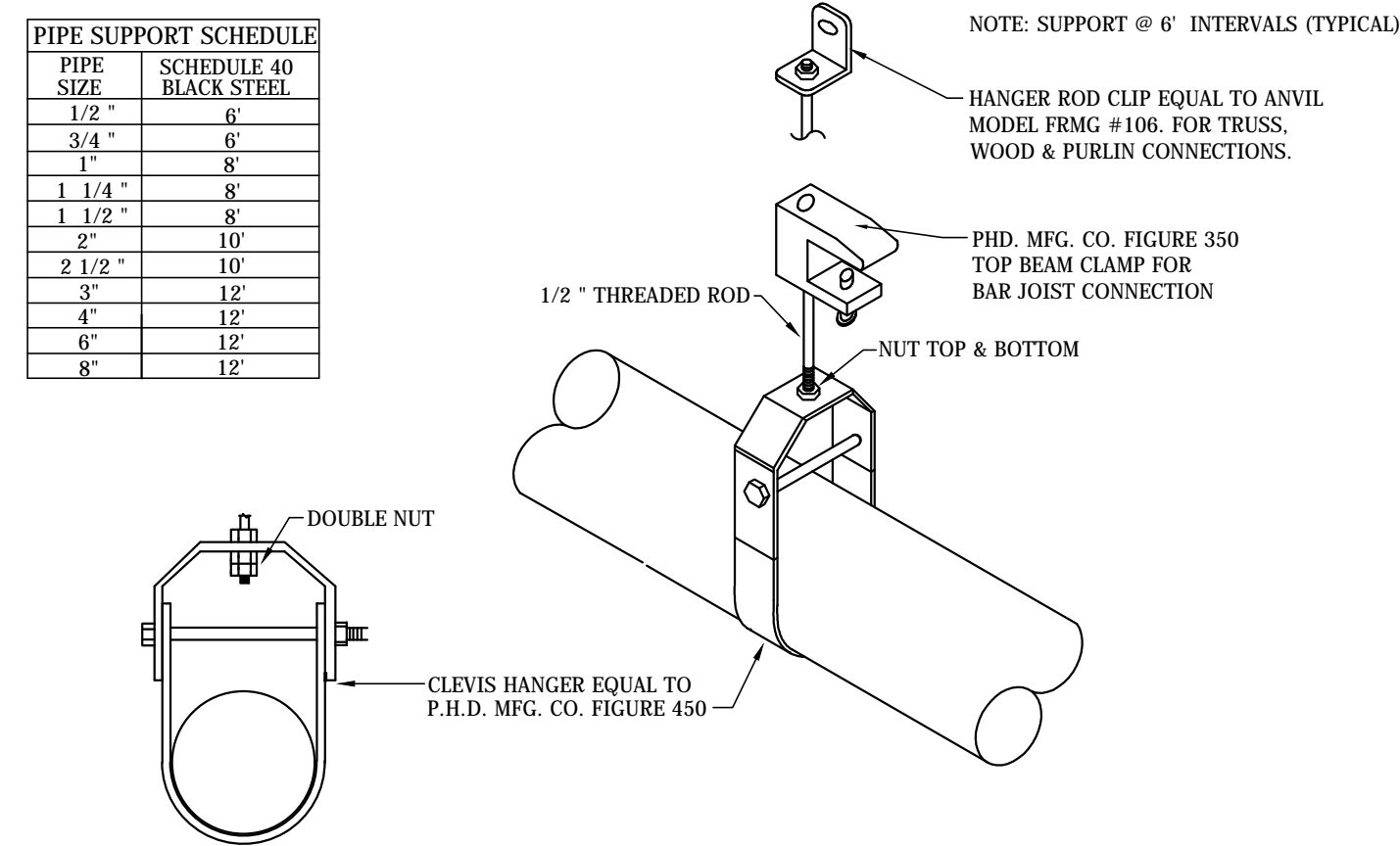
SHEET NUMBER

M-2.1  
 OF  
 7



PIPE SUPPORT SCHEDULE

PIPE SIZE	SCHEDULE 40 BLACK STEEL
1/2"	6
3/4"	6
1"	8
1 1/4"	8
1 1/2"	8
2"	10
2 1/2"	10
3"	12
4"	12
6"	12
8"	12





**NOLA VANPEURSEM**  
ARCHITECTS, PC

MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
301 LITTLETON STREET  
MONTGOMERY, ALABAMA 36101  
(205) 659-8477  
NYPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPEURSEM ARCHITECTS

**DECATUR CITY SCHOOLS**  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
DECATUR, ALABAMA

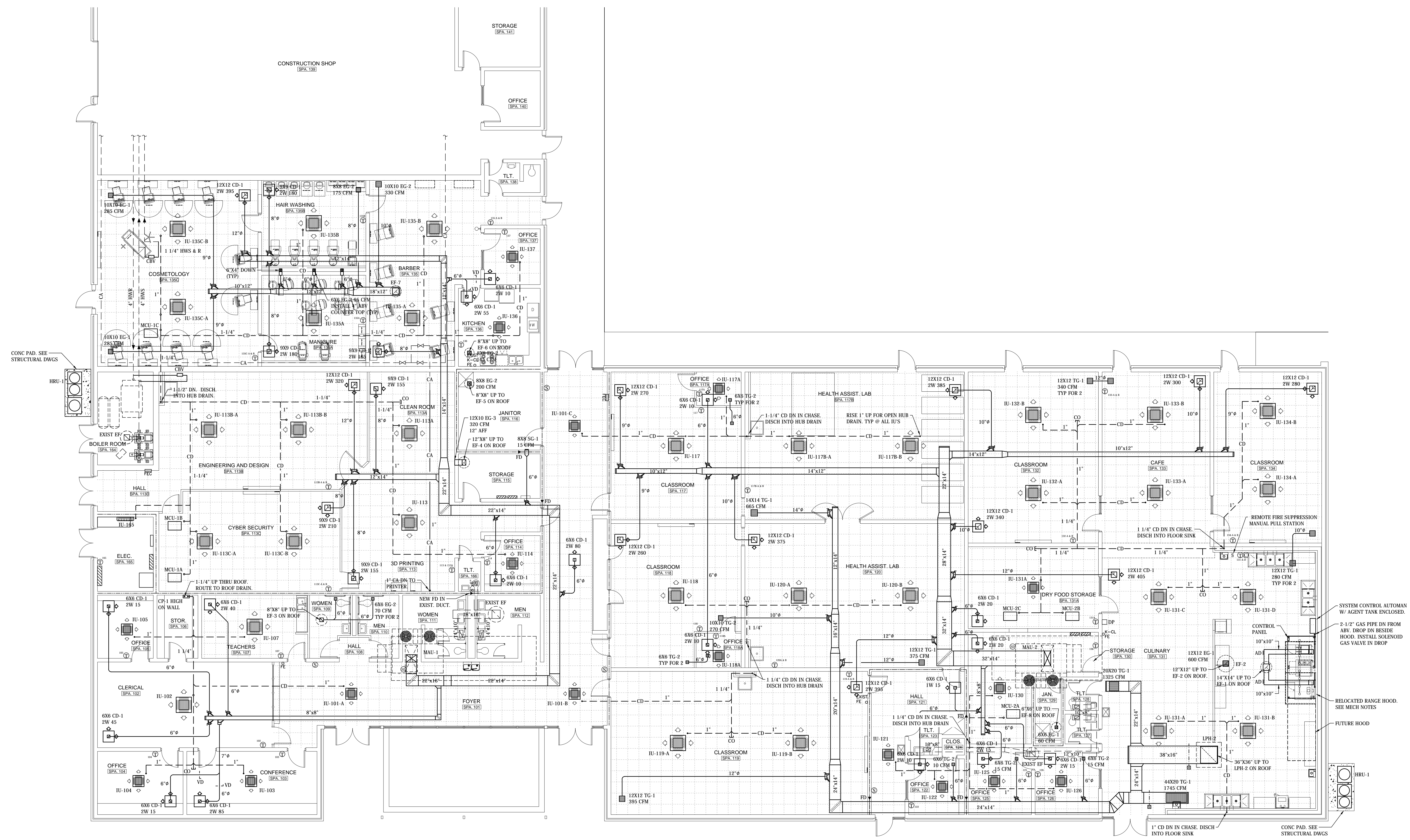
JOB NUMBER  
17922

ZWW/JSD / JMM / 04-25-2016  
DRAWN - CHECKED - DATE

REVISKS

SHEET TITLE  
MECHANICAL RENOVATION FLOOR PLAN

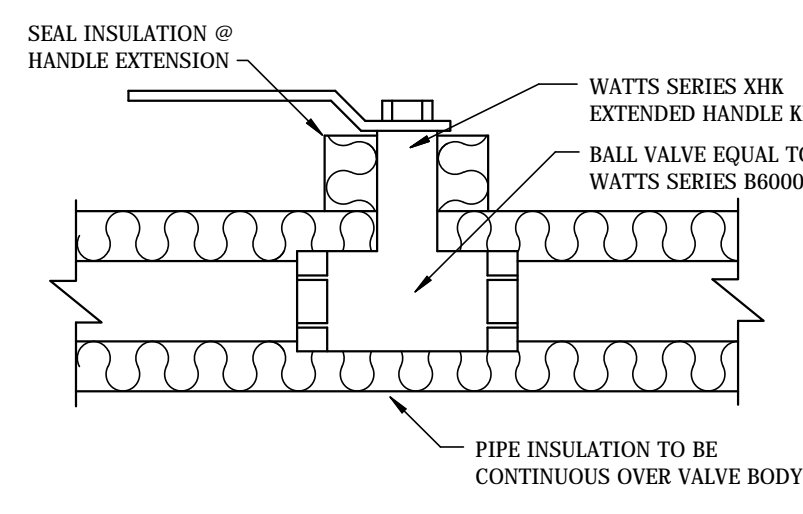
SHEET NUMBER  
M-2.2  
OF  
7



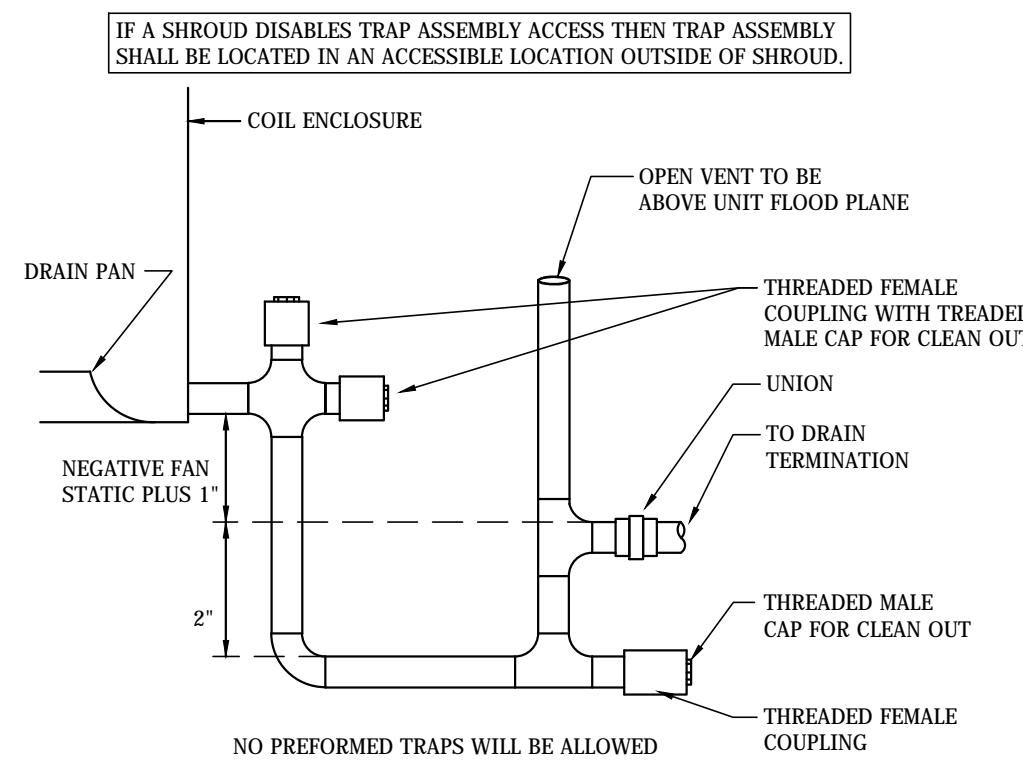
**MECHANICAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



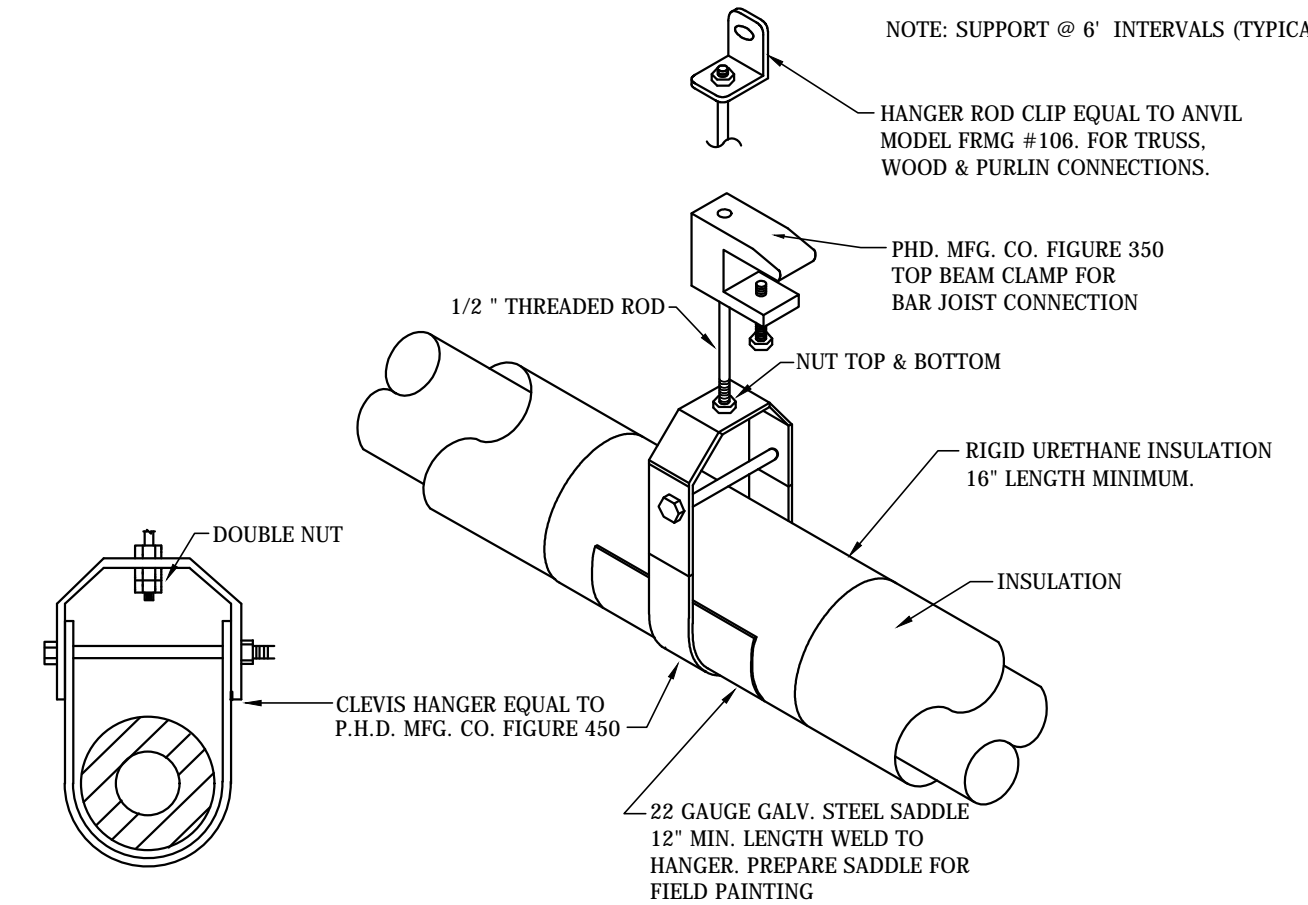




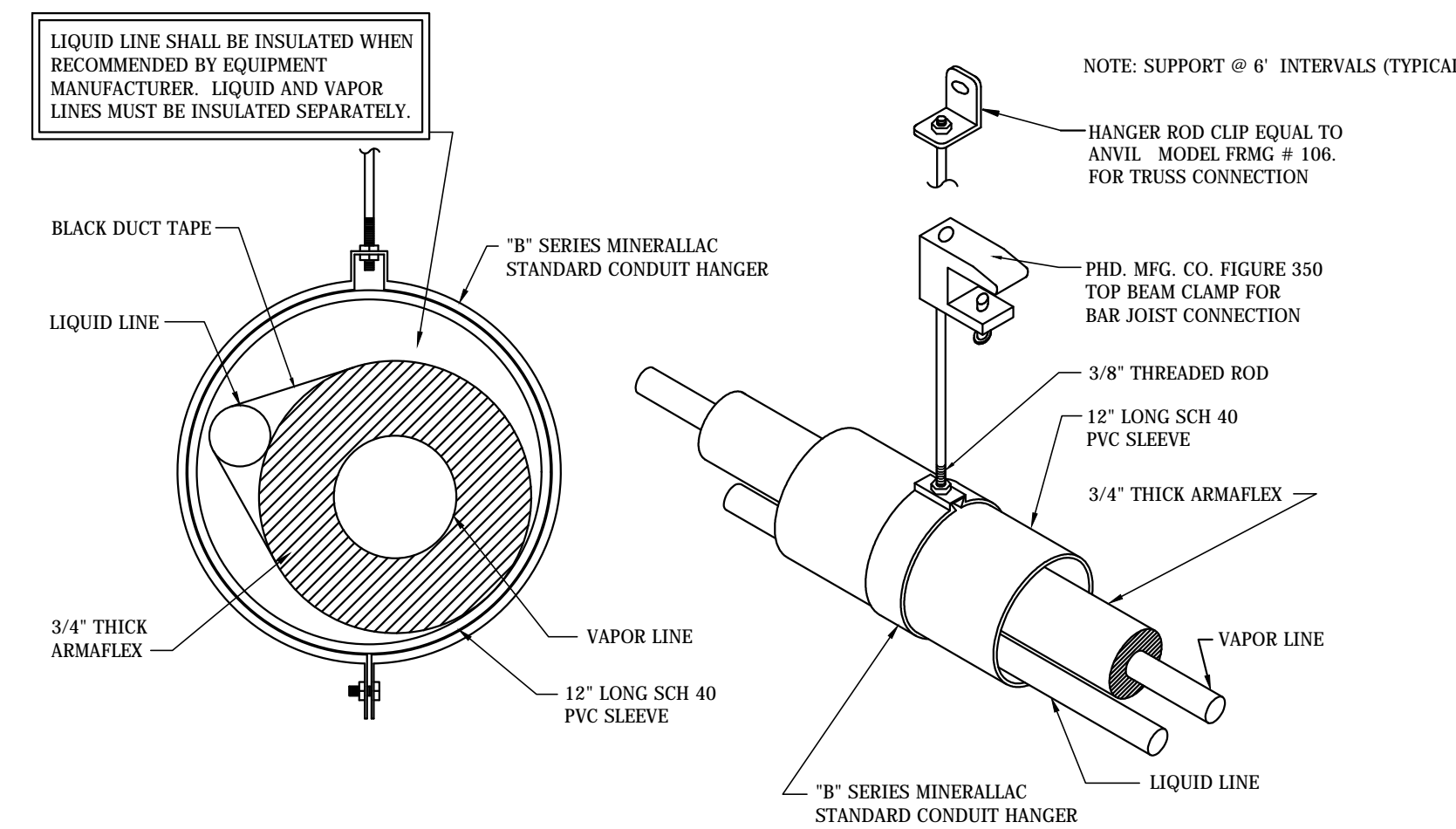
**HOT & COLD WATER PIPING SERVICE VALVE DETAIL**  
NOT TO SCALE



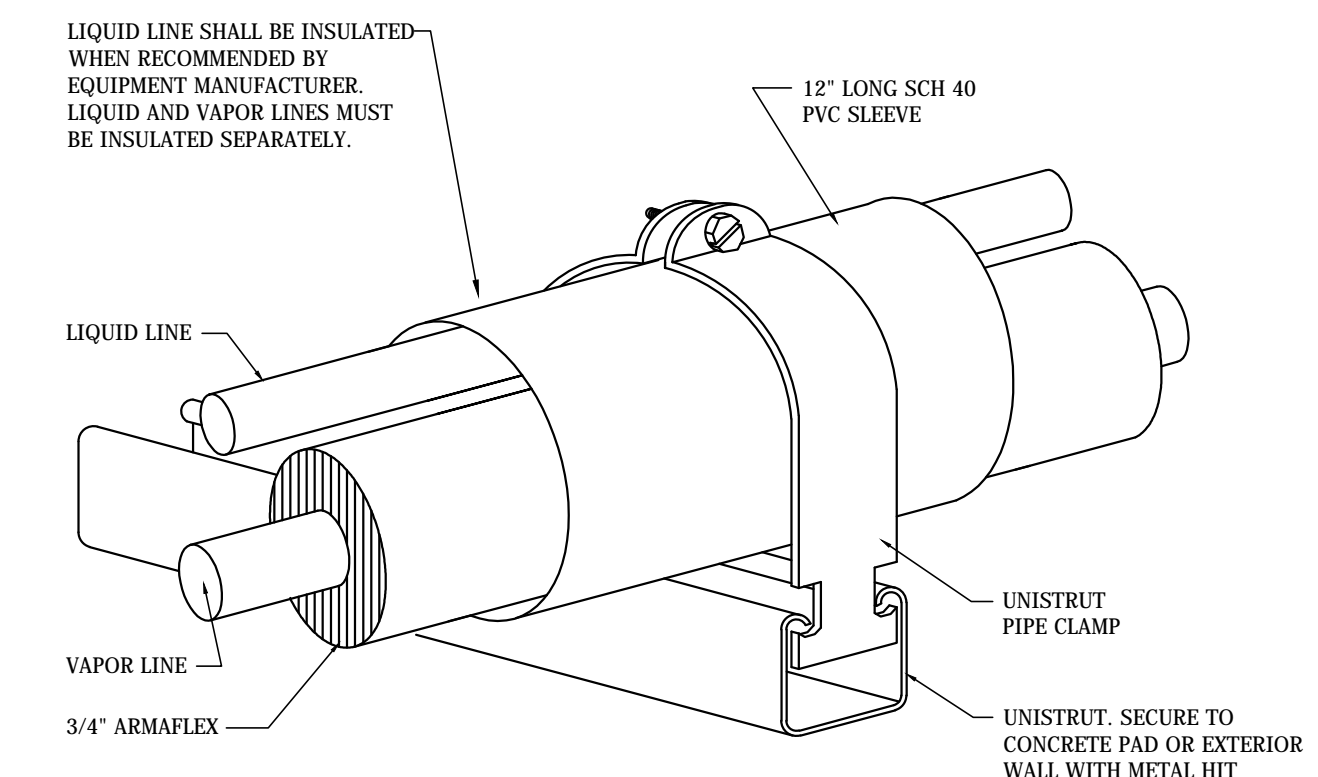
**TYPICAL CONDENSATE CONDENSATION DRAIN TRAP DETAIL**  
NOT TO SCALE



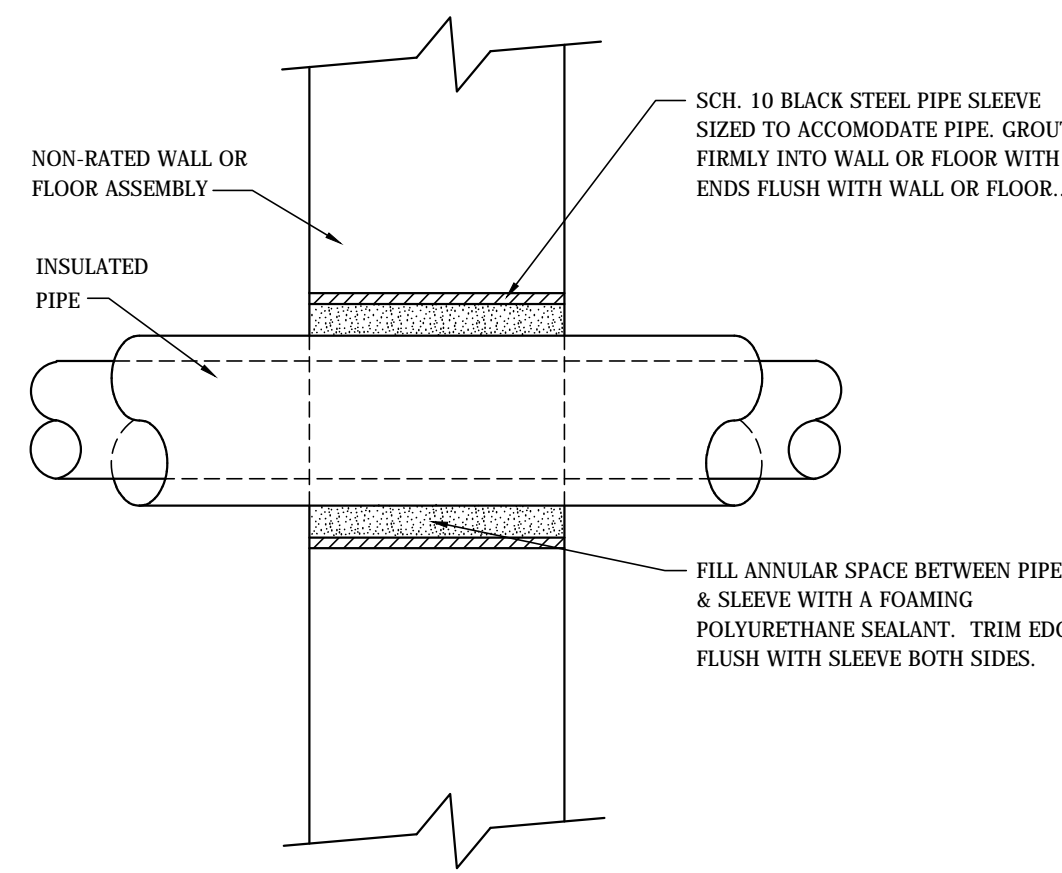
**HOT & CHILLED WATER PIPE HANGER DETAIL**  
NOT TO SCALE



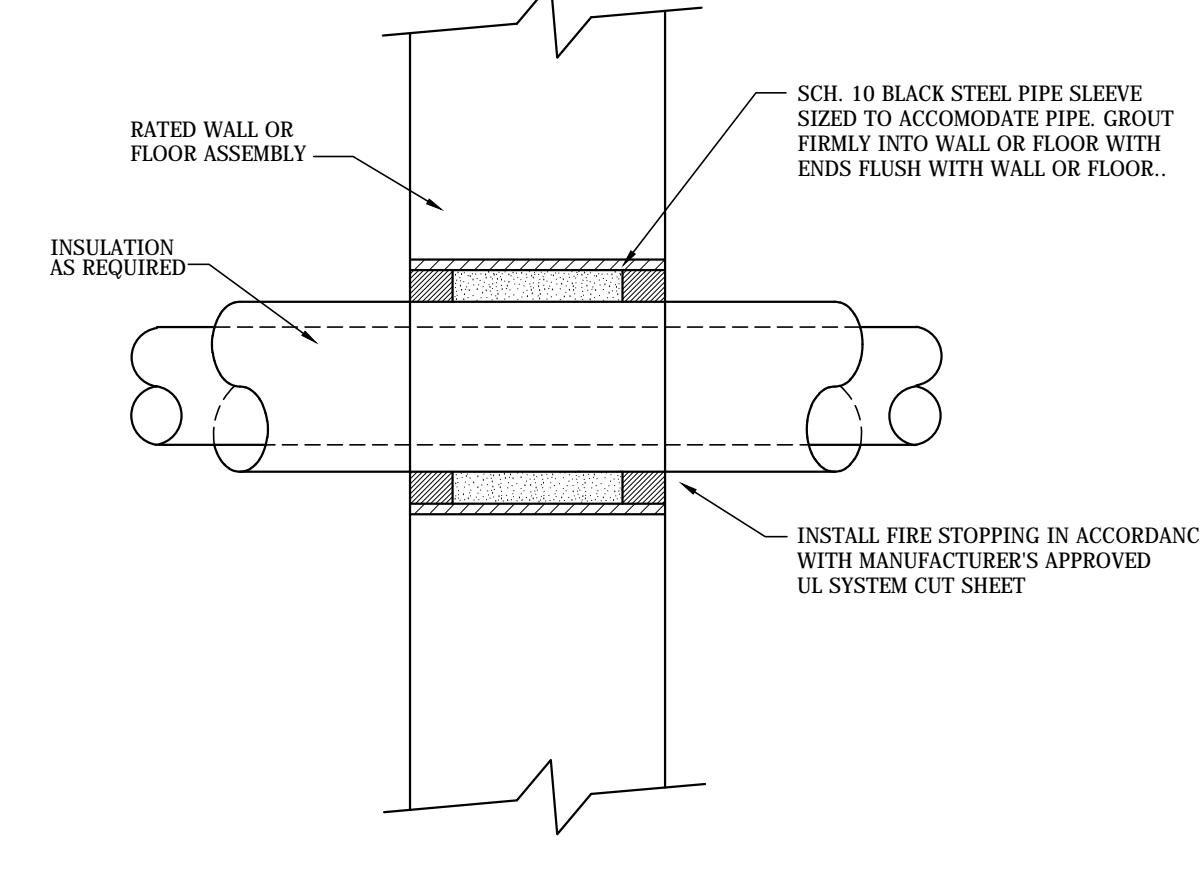
**REFRIGERANT PIPE HANGER DETAIL**  
NOT TO SCALE



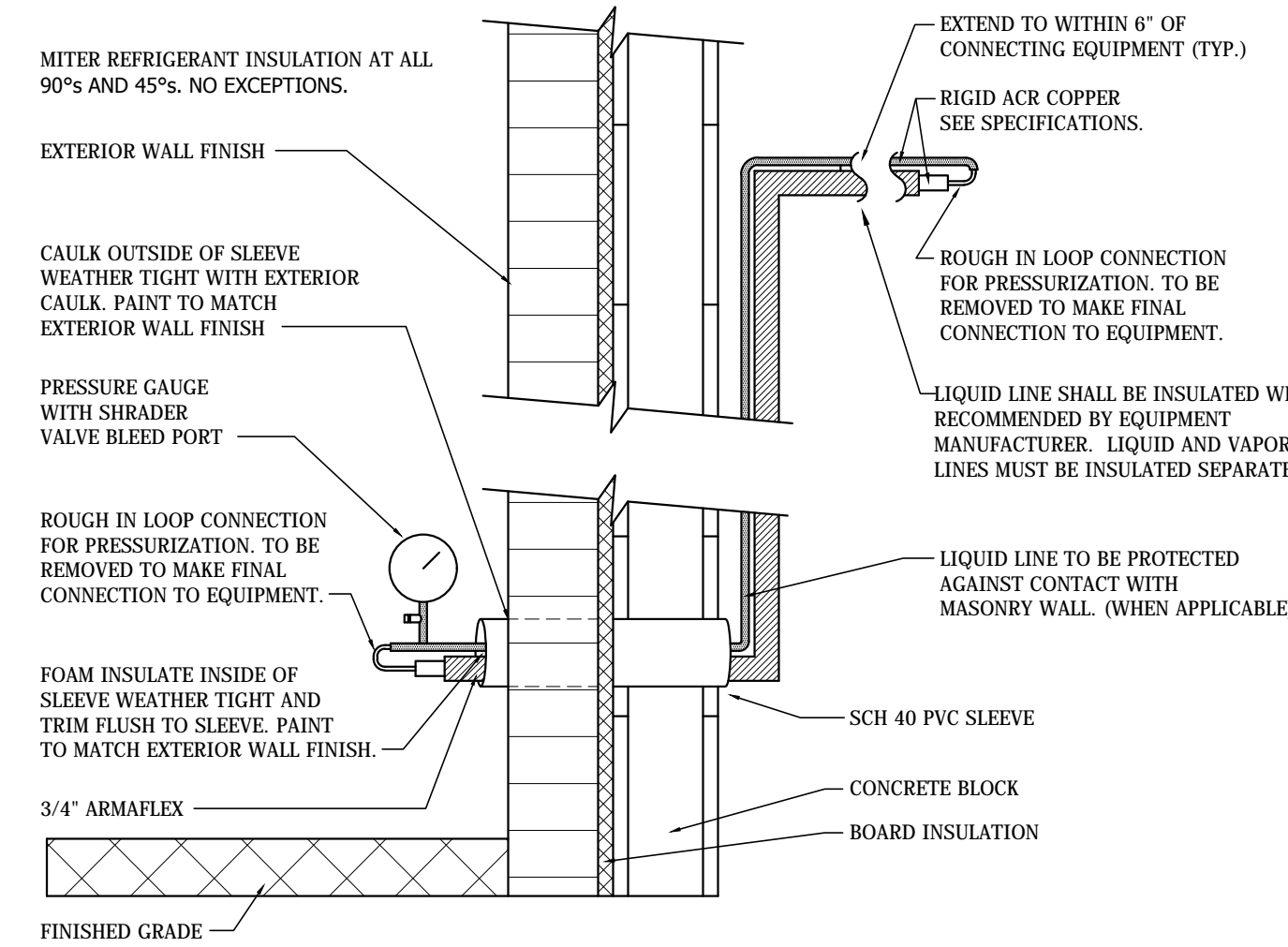
**REFRIGERANT EXTERIOR PIPE SUPPORT DETAIL**  
NOT TO SCALE



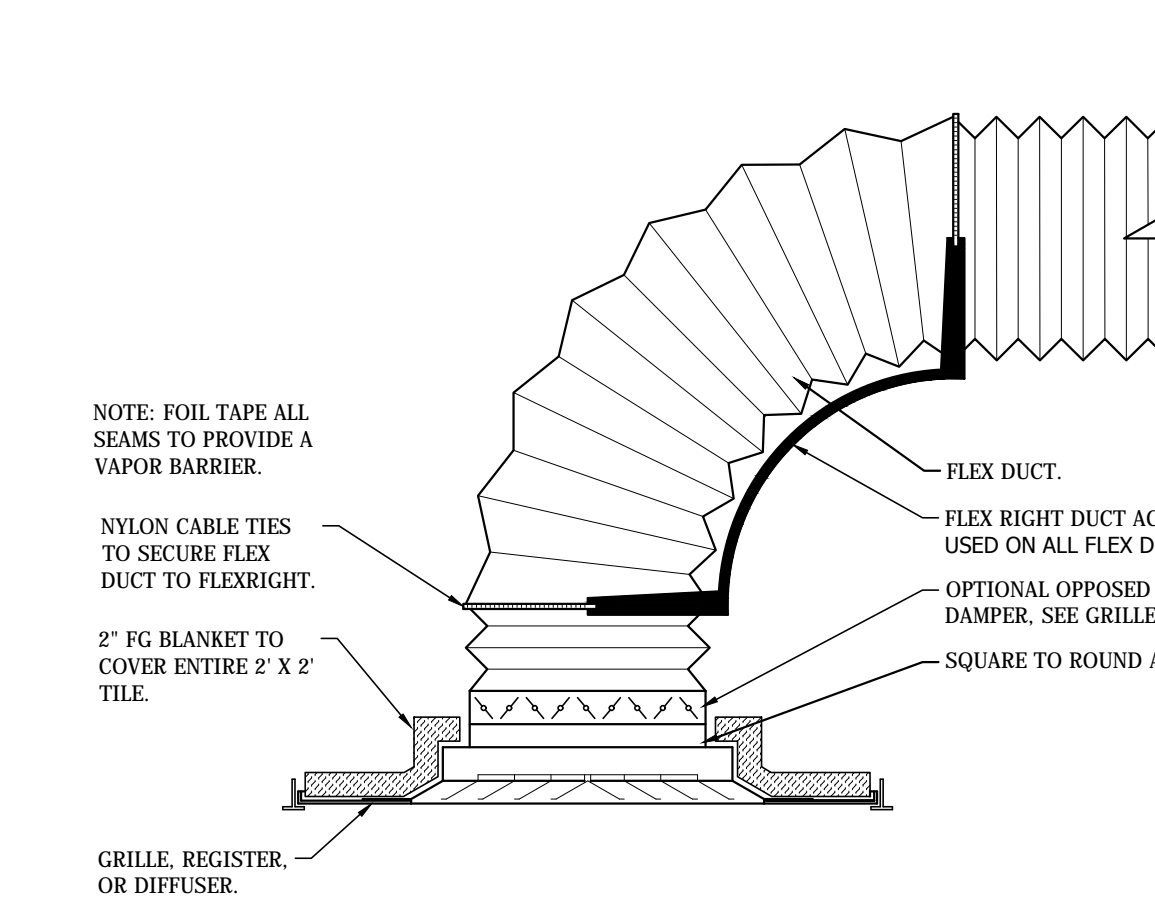
**NON-RATED PIPE SLEEVE DETAIL**  
NOT TO SCALE



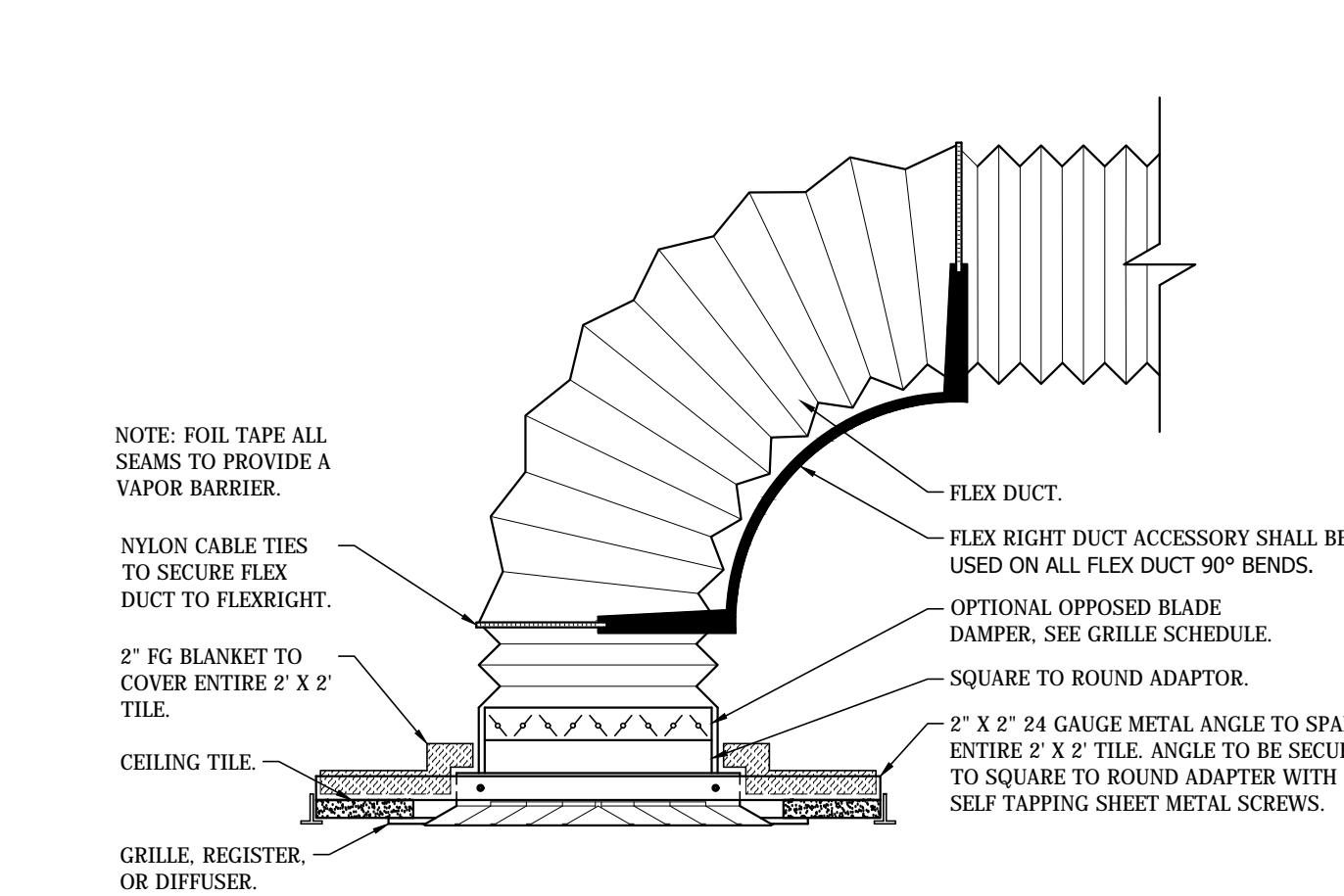
**RATED-UL LISTED PIPE SLEEVE DETAIL**  
NOT TO SCALE



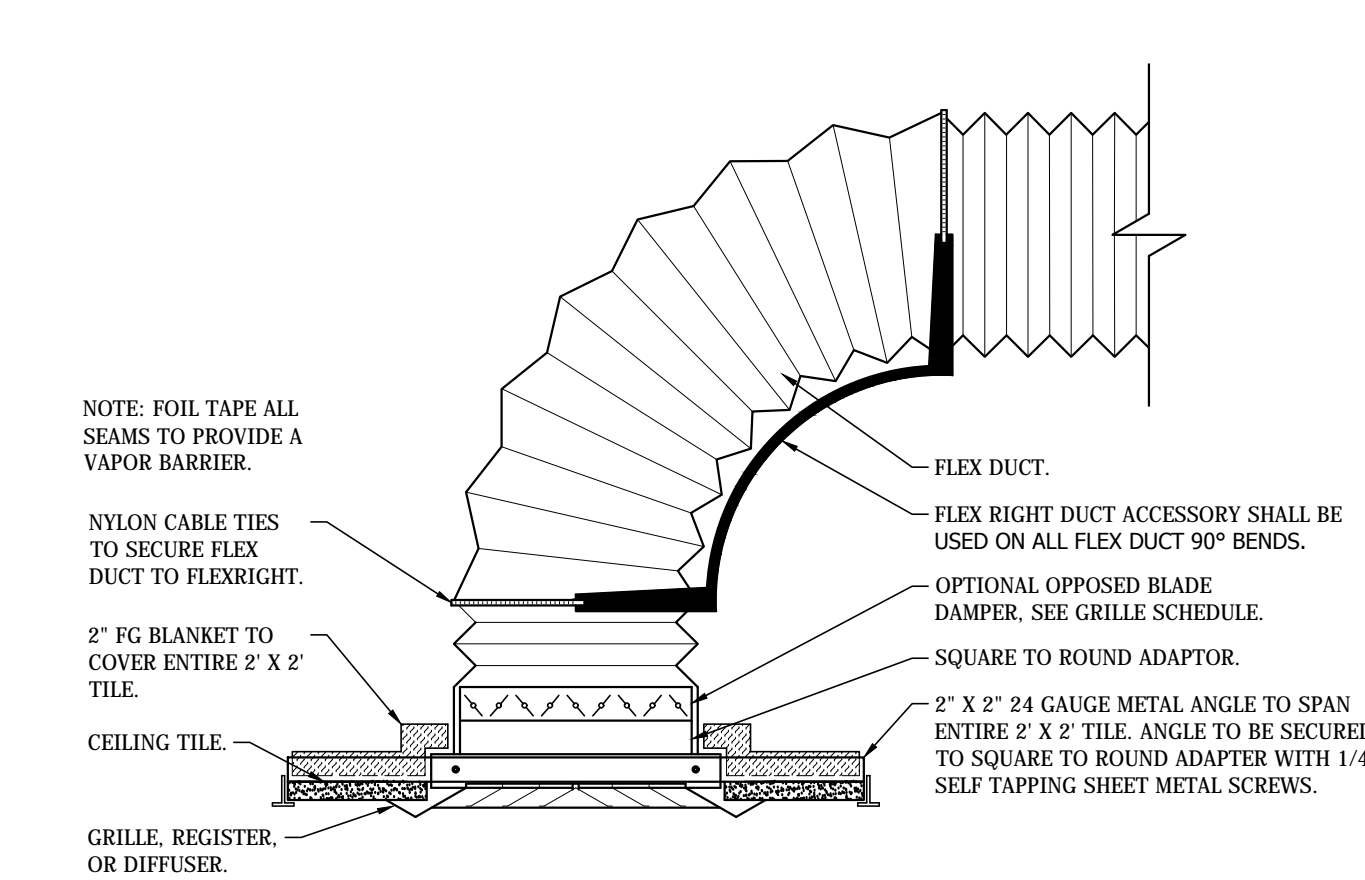
**CMU WALL LINE SET ROUGH IN DETAIL**  
NOT TO SCALE



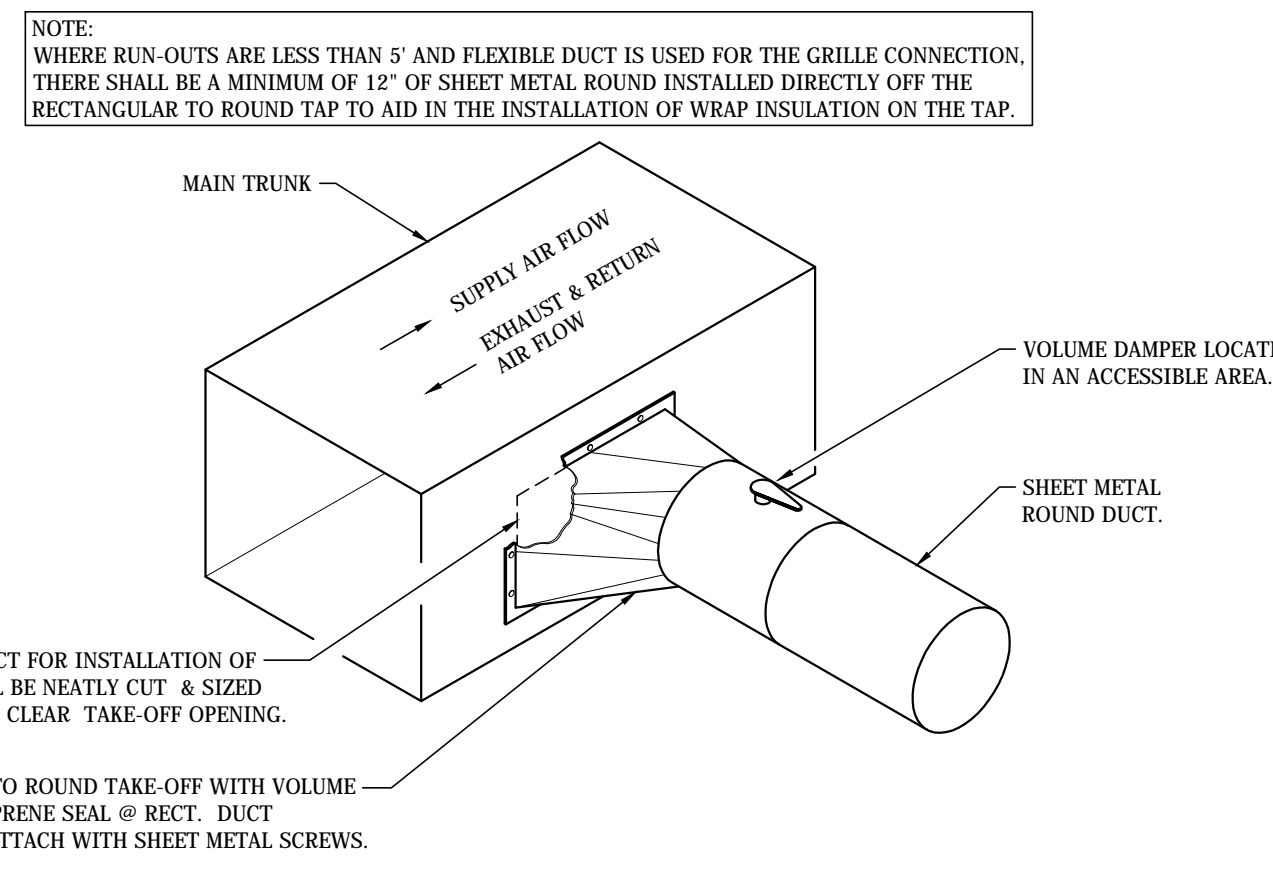
**LAY-IN GRILLE, REGISTER, DIFFUSER DETAIL**  
NOT TO SCALE



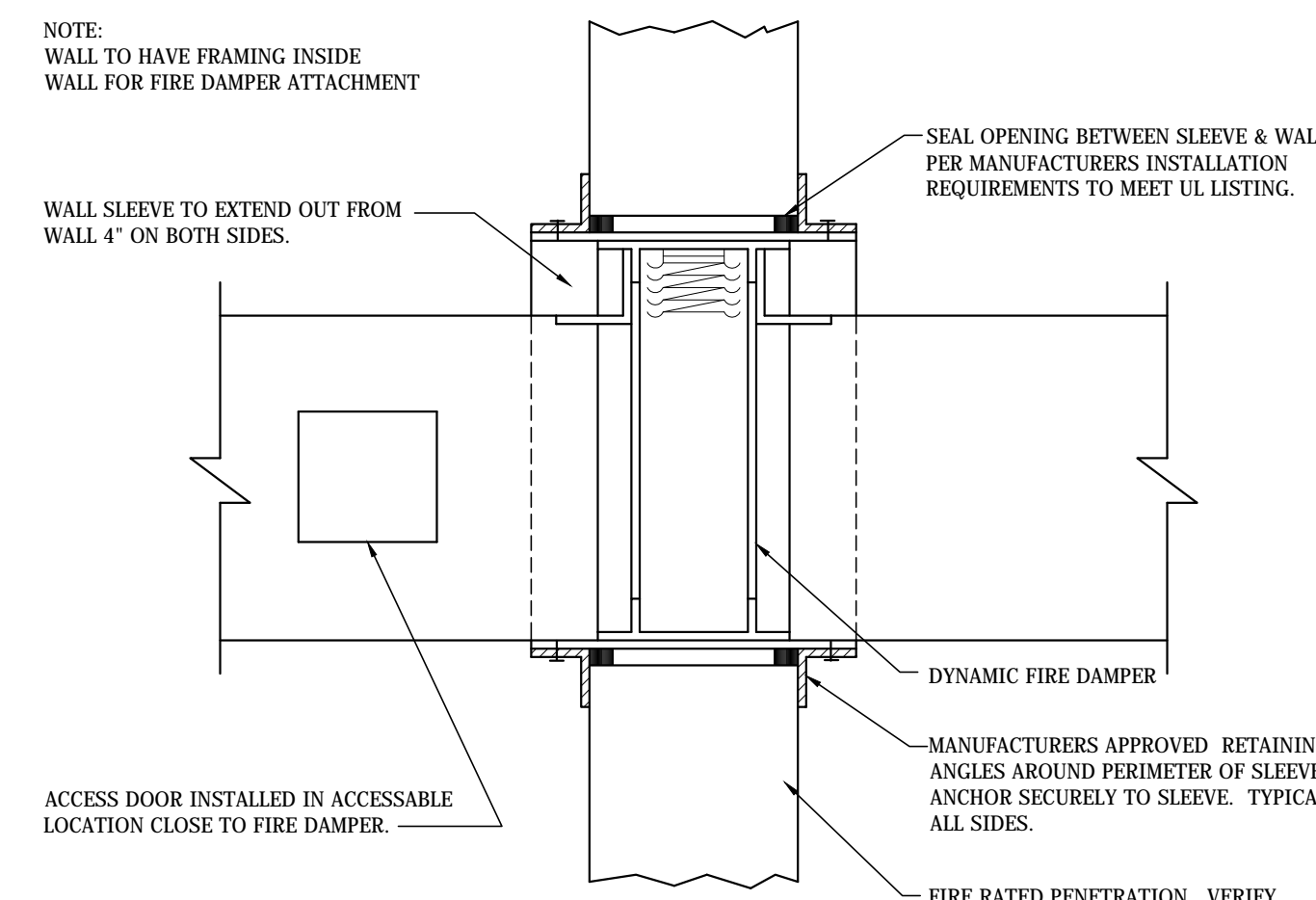
**SURFACE MOUNT GRILLE, REGISTER, DIFFUSER DETAIL**  
NOT TO SCALE



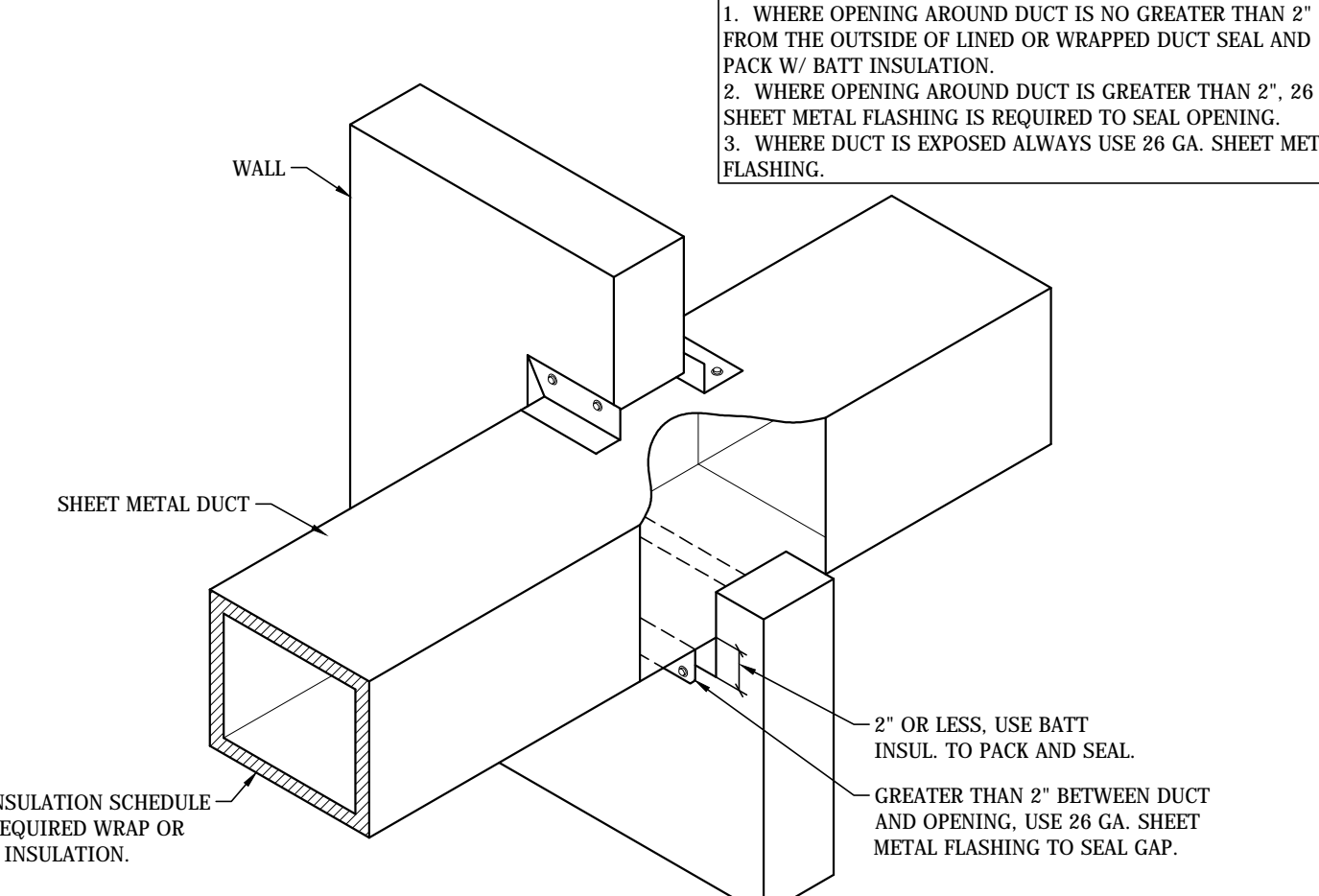
**SURFACE MOUNT GRILLE, REGISTER, DIFFUSER DETAIL**  
NOT TO SCALE



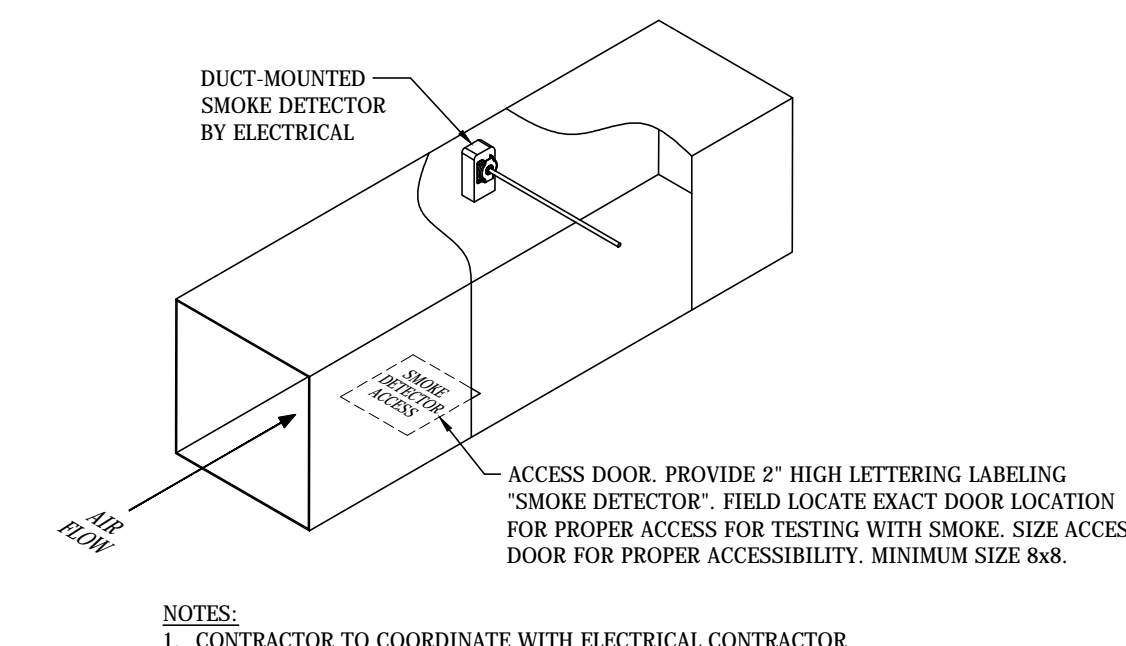
**RECTANGULAR TO ROUND BRANCH DUCT DETAIL**  
NOT TO SCALE



**FIRE DAMPER MOUNTING DETAIL**  
NOT TO SCALE



**NON-RATED WALL TYPICAL DUCT PENETRATION DETAIL**  
NOT TO SCALE



**DUCT-MOUNTED SMOKE DETECTOR DETAIL**  
NOT TO SCALE



**NOLA VANPURSEUM ARCHITECTS, PC**  
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS  
301 LITTLEPERSON STREET  
HUNTSVILLE, ALABAMA 35891  
(256) 938-6877  
NYPARCHITECTS.COM

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPURSEUM ARCHITECTS

**DECATUR CITY SCHOOLS**  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
**DECATUR, ALABAMA**

JOB NUMBER  
**17922**

DWG./JOB / 04/25/2016  
DRAWN - CHECKED - DATE

REVISIONS

SHEET TITLE

MECHANICAL  
DETAILS

SHEET NUMBER

**M-4.1**  
OF  
**7**





THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPURSEM ARCHITECTS

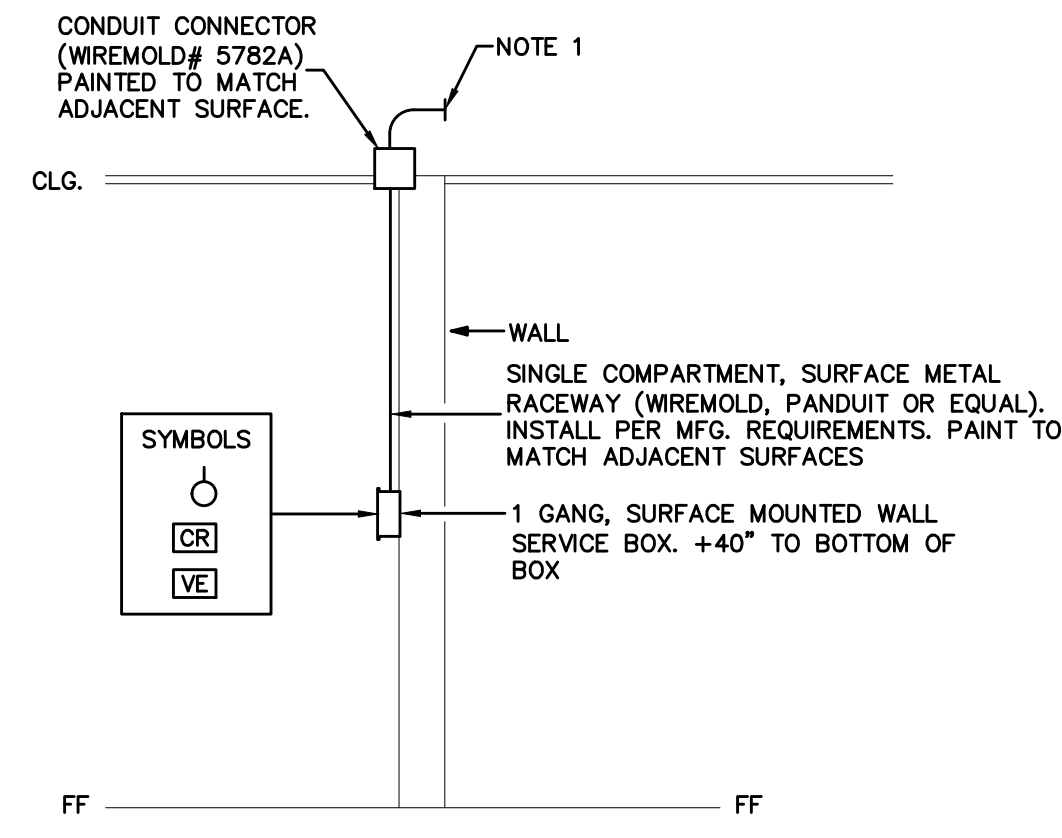
JOB NUMBER  
 17922

JRM / JRM / 06-20-2011  
 DRAWN - CHECKED - DATE

REVISIONS


SHEET TITLE  
 ELECTRICAL DETAILS

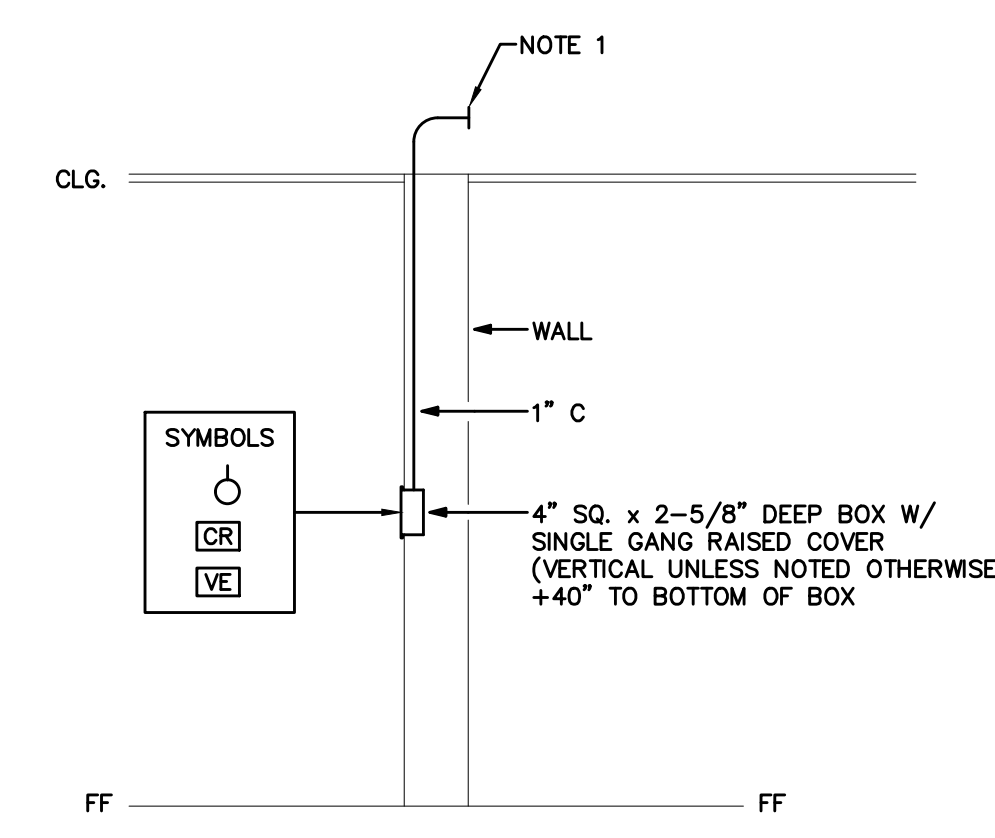
SHEET NUMBER  
 E-0.2  
 OF  
 9



**DETAIL: AUXILIARY OUTLET**  
 SURFACE MOUNTED WHERE SHOWN ON EXISTING WALL TO REMAIN  
 NOT TO SCALE

AUXILIARY OUTLET DETAIL NOTES

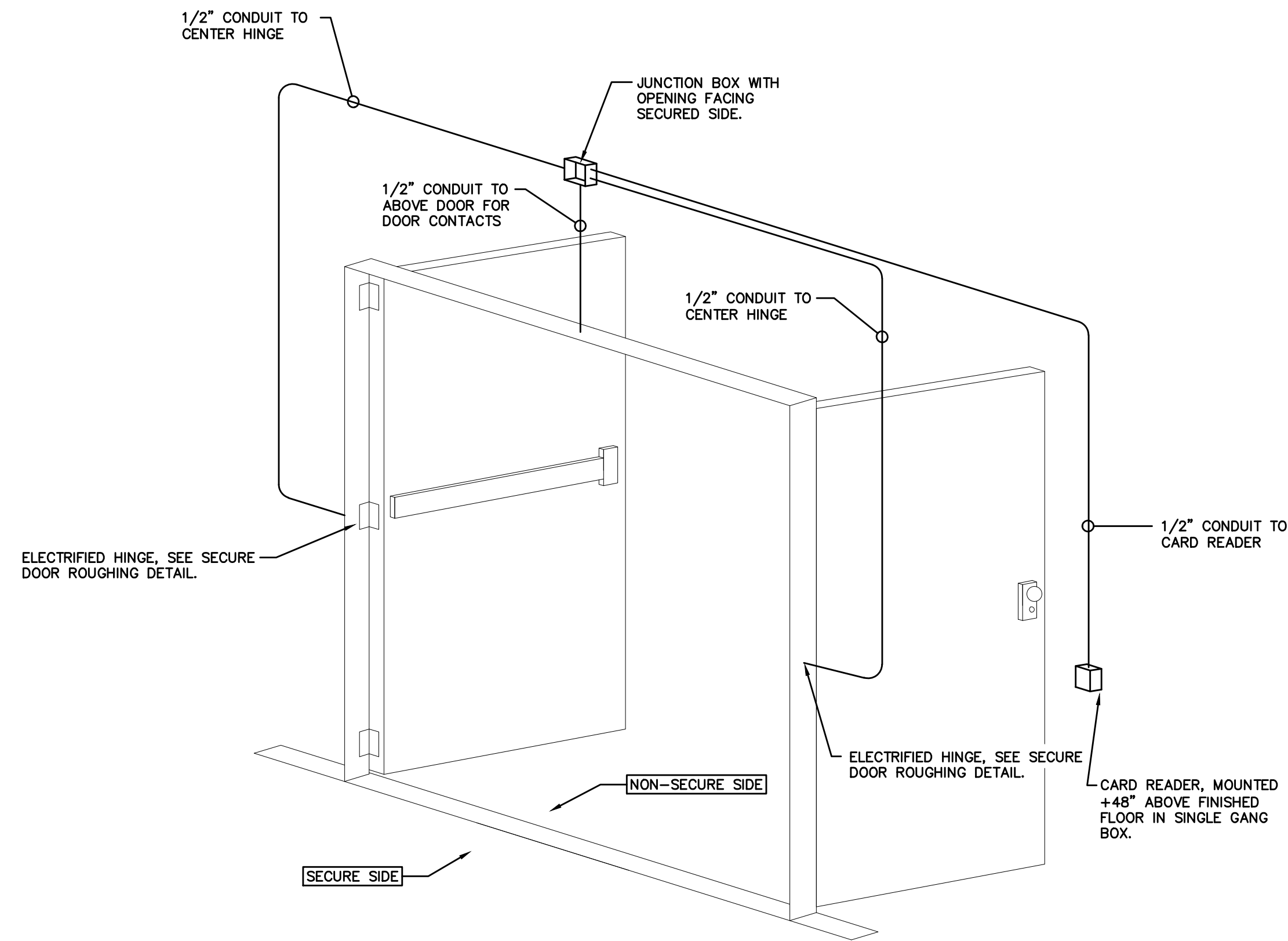
- ROUTE ALL AUXILIARY CONDUITS TO ABOVE NEAREST ACCESSIBLE CEILING AND TERMINATE WITH SMOOTH BUSHING. LABEL ALL CONDUITS PER SPECIFICATIONS. PROVIDE PULL WIRE IN ALL CONDUITS.



**DETAIL: AUXILIARY OUTLET**  
 FLUSH MOUNTED WHERE SHOWN ON NEW WALL  
 NOT TO SCALE

AUXILIARY OUTLET DETAIL NOTES

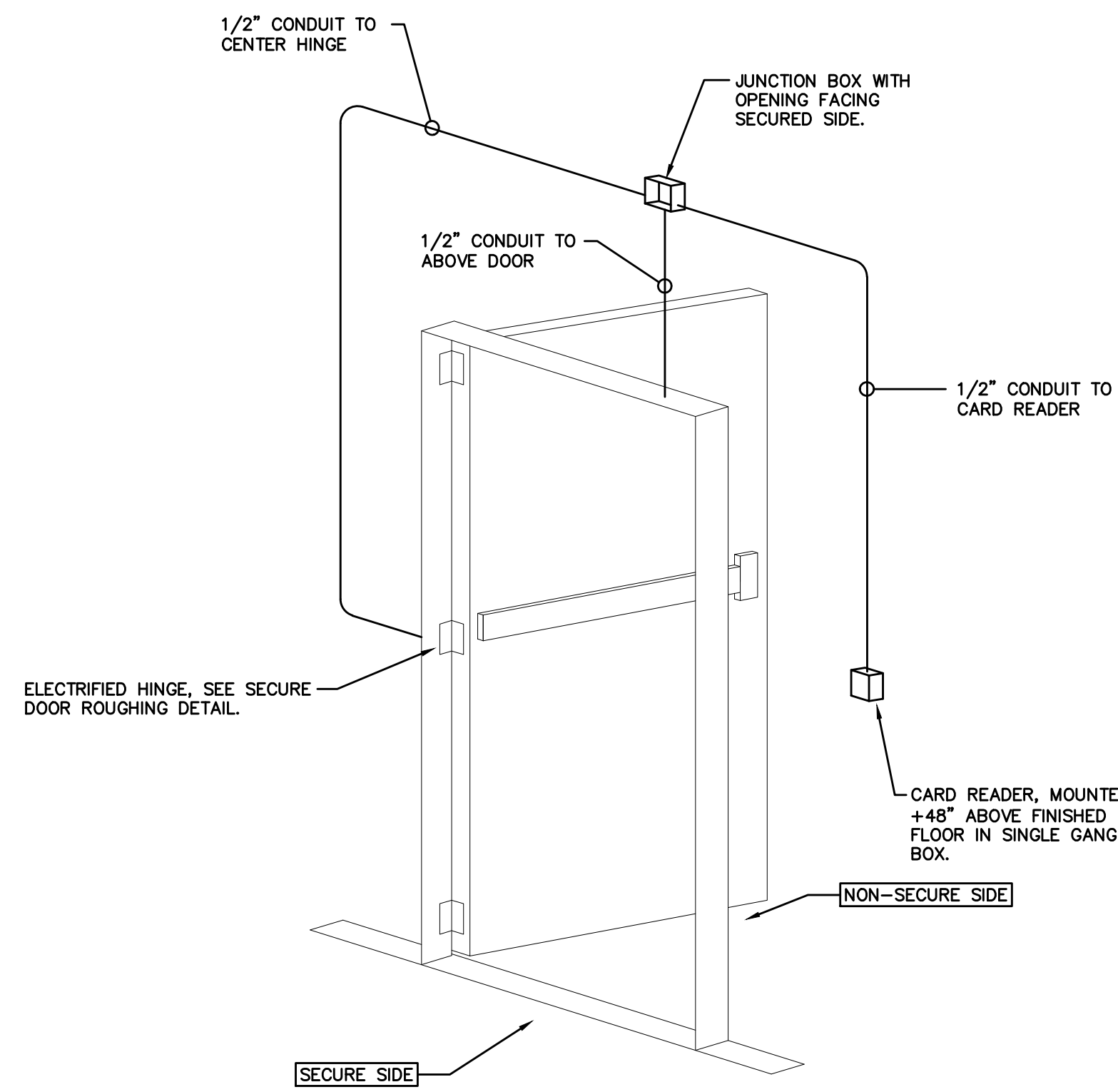
- ROUTE ALL AUXILIARY CONDUITS TO ABOVE NEAREST ACCESSIBLE CEILING AND TERMINATE WITH SMOOTH BUSHING. LABEL ALL CONDUITS PER SPECIFICATIONS. PROVIDE PULL WIRE IN ALL CONDUITS.



**CARD READER SECURE DOOR (DOUBLE)**  
 NOT TO SCALE

GENERAL DETAIL NOTES:

- BOXES AND CONDUIT ONLY TO BE INSTALLED. ALL SECURITY DEVICES AND CABLING TO BE FURNISHED AND INSTALLED BY OTHERS, INC.

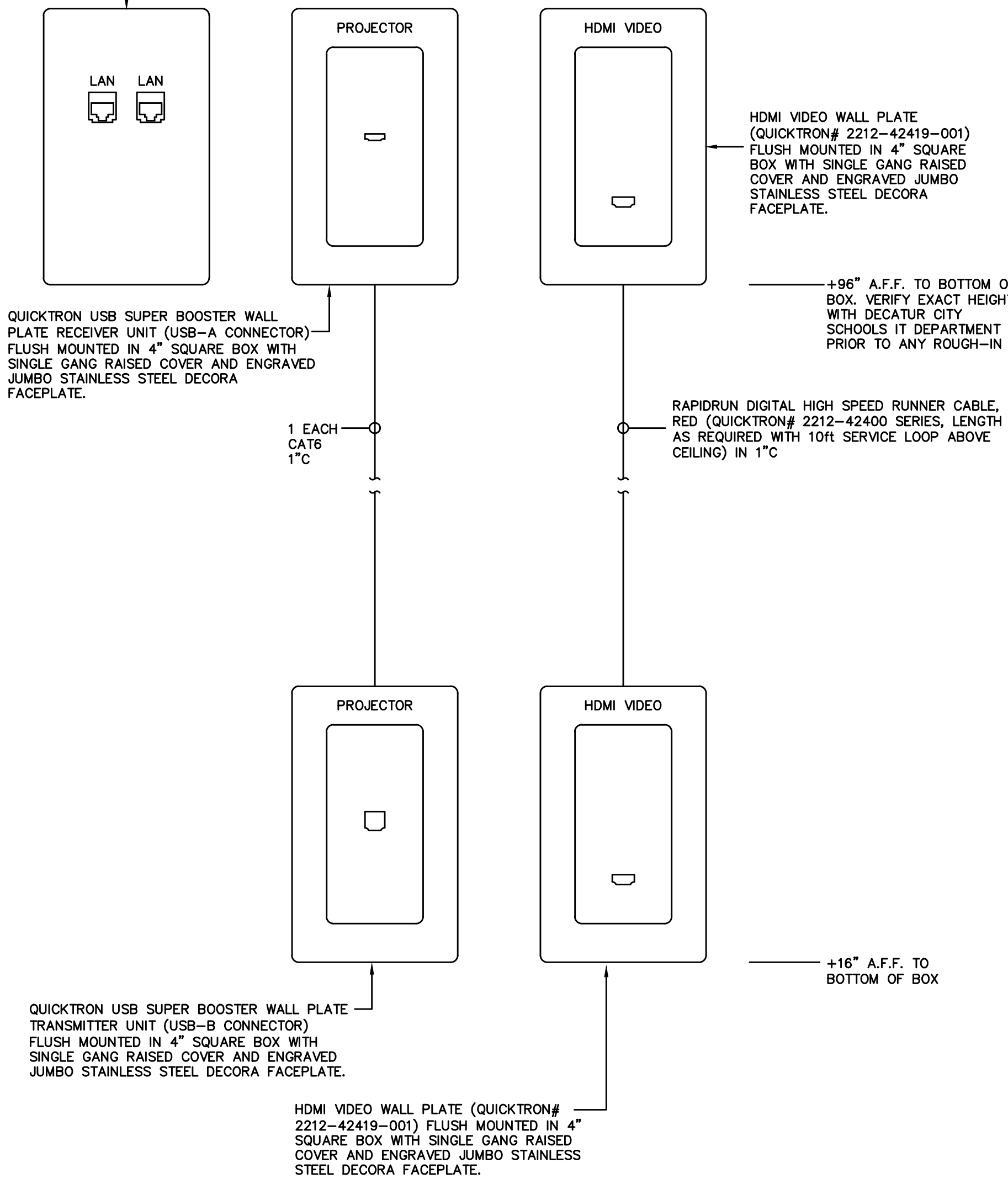


**CARD READER SECURE DOOR (SINGLE)**  
 NOT TO SCALE

GENERAL DETAIL NOTES:

- BOXES AND CONDUIT ONLY TO BE INSTALLED. ALL SECURITY DEVICES AND CABLING TO BE FURNISHED AND INSTALLED BY OTHERS, INC.

DATA OUTLET (2 DATA) - FLUSH MOUNTED IN 4" SQUARE BOX WITH SINGLE GANG RAISED COVER. FURNISH AND INSTALL CAT5 CONNECTOR (LEVITON# 8110-1R6) WITH DATA ICONS FOR EACH DATA JACK AS INDICATED. ONE EACH FACEPLATE (LEVITON# 43990-15A). FURNISH AND INSTALL CAT5 PLENUM RATED CABLES (# AS INDICATED FOR DATA) FROM OUTLET TO NEAREST AUXILIARY BACKBOARD VIA CONDUIT, J-HOOKS, SLEEVES AND/OR CABLE TRAY. ALL CABLES SHALL BE TERMINATED, BOTH ENDS, AS DIRECTED BY OWNER.



**DETAIL: EQUIPMENT STATION**  
 NOT TO SCALE

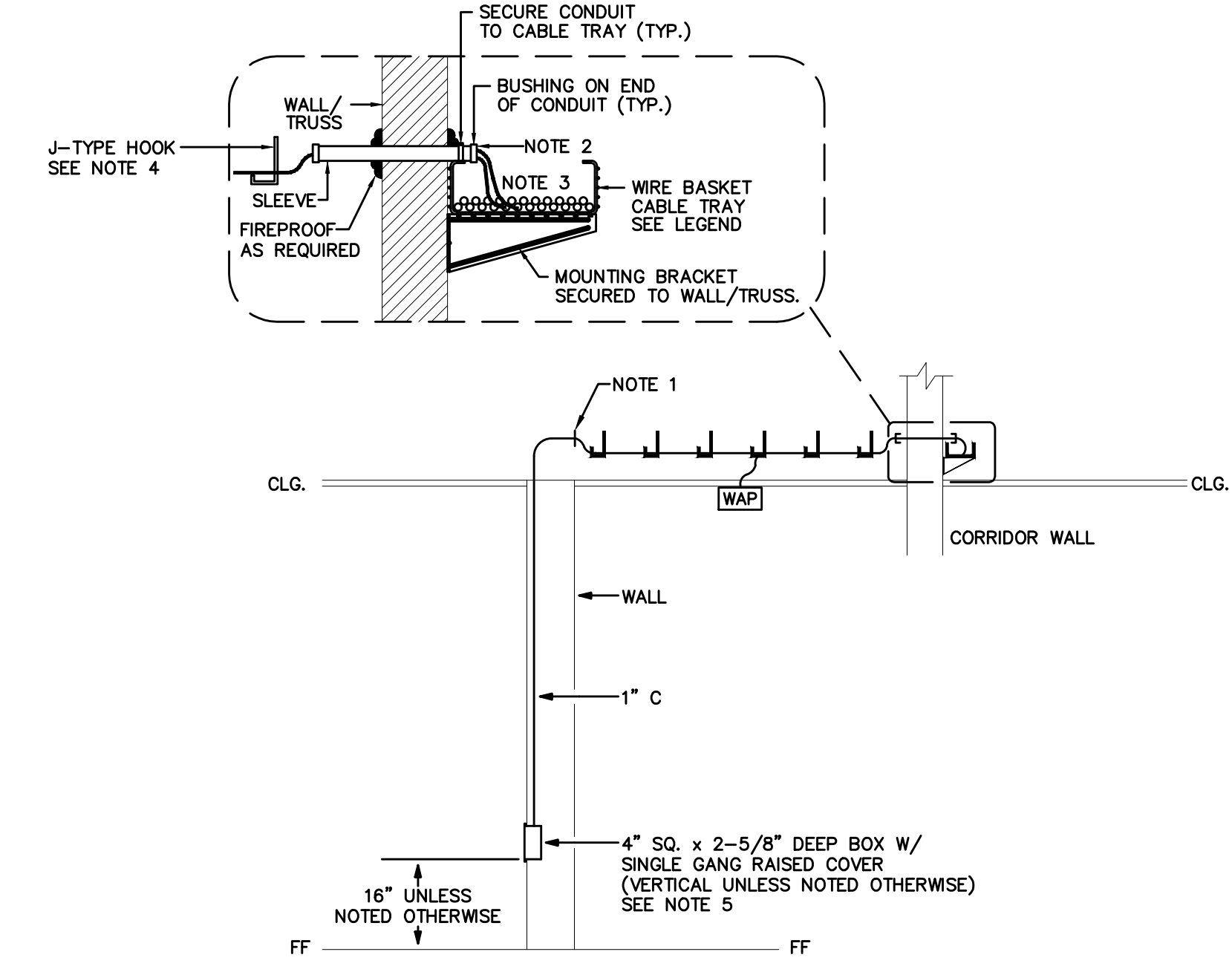
NOTES THIS DETAIL:

- PROVIDE 10H SERVICE LOOP ABOVE CEILING FOR ALL CABLES.
- FURNISH AND INSTALL PROJECTOR MOUNTING PLATE (PEERLESS# CM455) COMPLETE WITH PROJECTOR MOUNT (P#2-LINK). FURNISH AND INSTALL DUPLEX RECEPTACLE IN MOUNTING PLATE (SEE AUXILIARY PLANS FOR CIRCUIT DESIGNATION). FURNISH AND INSTALL 2 EACH DATA OUTLETS (CAT5 JACKS IN SINGLE GANG PLATE) WITH 2 EACH CAT5 CABLES TO DESIGNATED BACKBOARD VIA CONDUIT, J-HOOKS/ SLEEVES AND CABLE TRAY.
- FIELD TERMINATABLE CONNECTORS WILL NOT BE ACCEPTABLE FOR USB, HDMI, OR VGA CONNECTORS. ONLY FACTORY TERMINATED CONNECTORS WILL BE ACCEPTABLE.
- PROVIDE ACTIVE WALL PLATES AND LEADS AS REQUIRED FOR ALL RAPIDRUN DIGITAL HIGH SPEED RUNNER CABLES THAT EXCEED 33FT IN LENGTH.

SYMBOL [PS] [ES]

GENERAL NOTES THIS DETAIL:

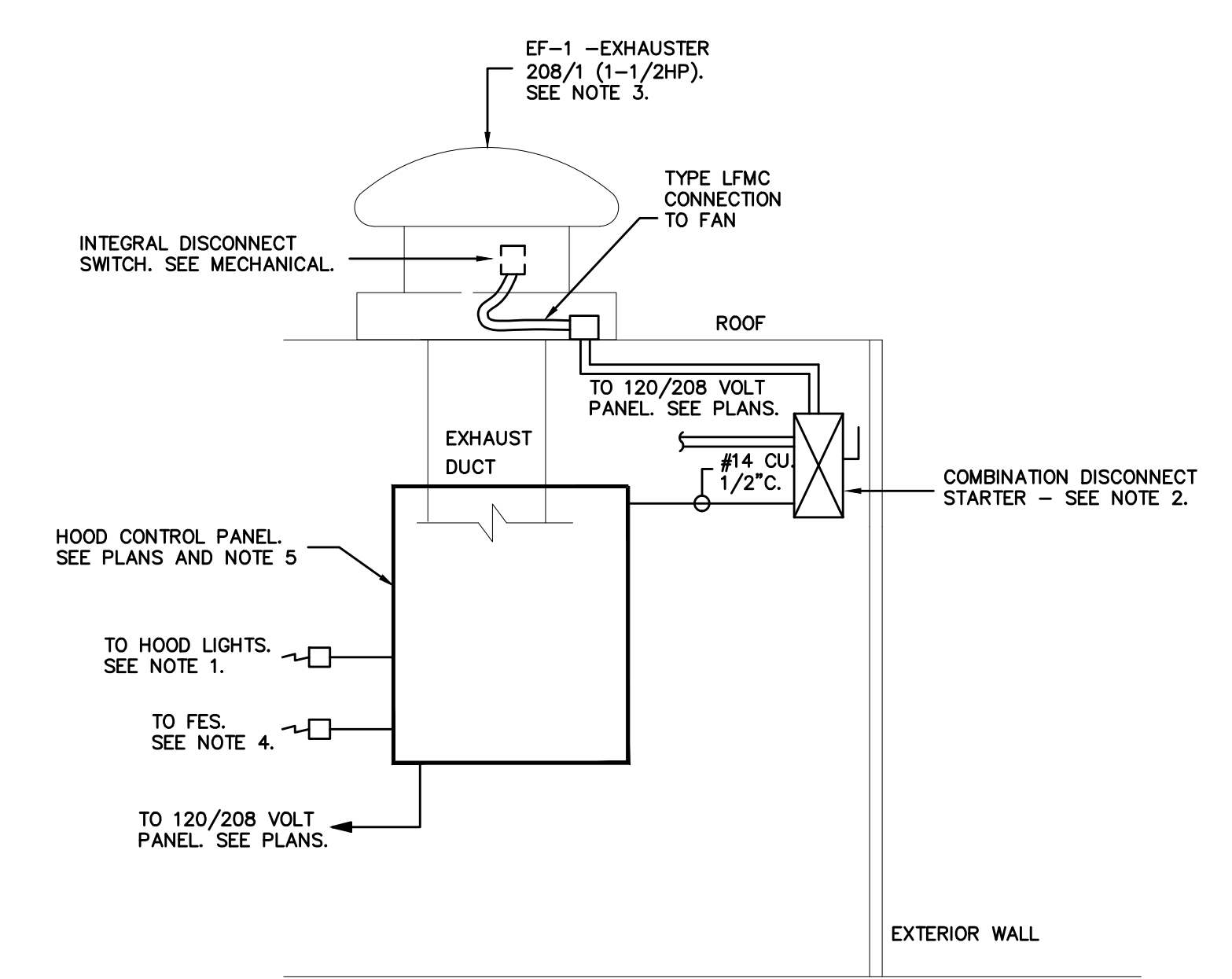
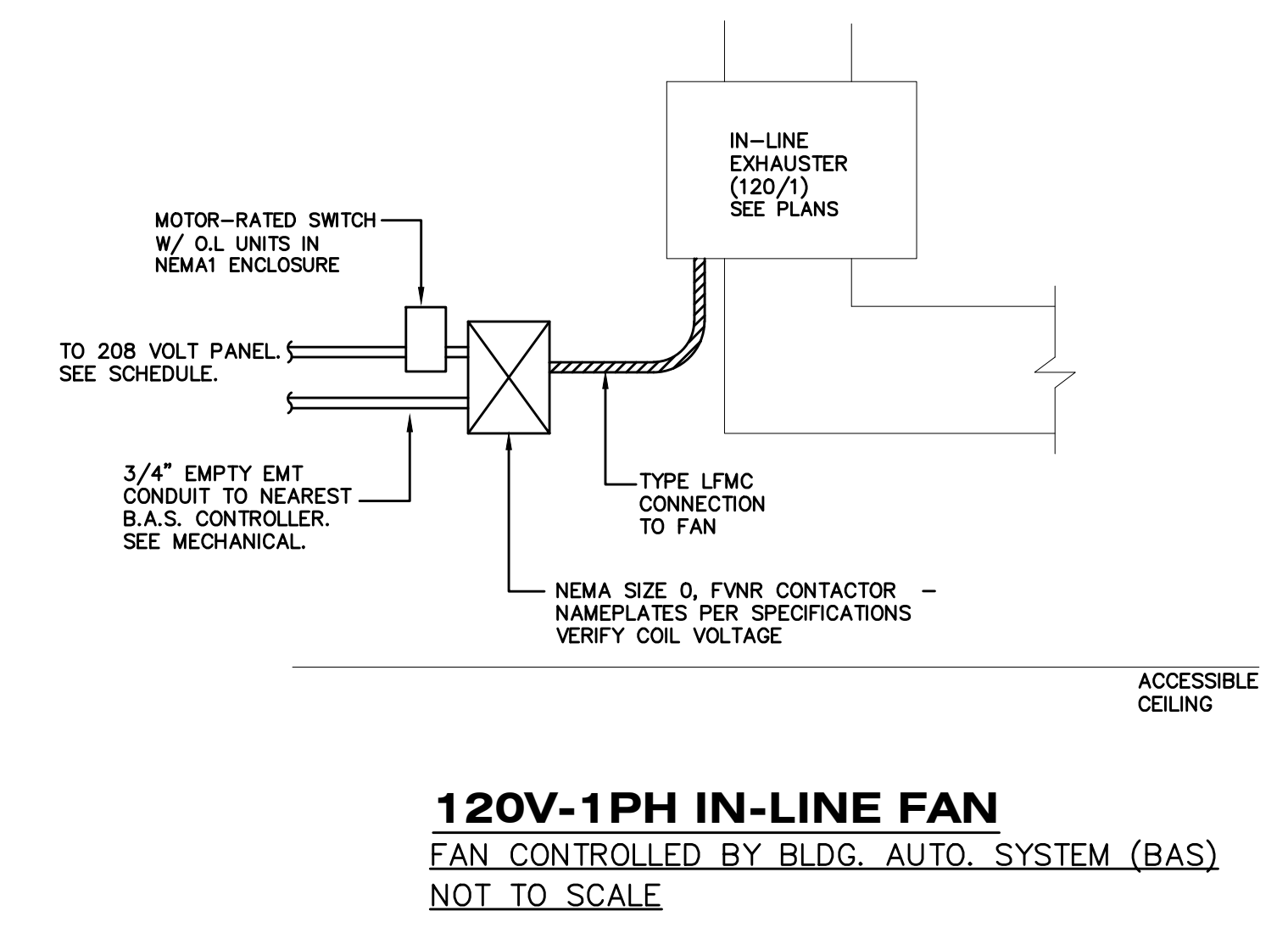
- FIELD TERMINATABLE CONNECTORS WILL NOT BE ACCEPTABLE FOR USB, HDMI, OR VGA CONNECTORS. ONLY FACTORY TERMINATED CONNECTORS WILL BE ACCEPTABLE.
- PROVIDE ACTIVE WALL PLATES AND LEADS AS REQUIRED FOR ALL RAPIDRUN DIGITAL HIGH SPEED RUNNER CABLES THAT EXCEED 33FT IN LENGTH.



**DETAIL: AUXILIARY OUTLET**  
 NOT TO SCALE

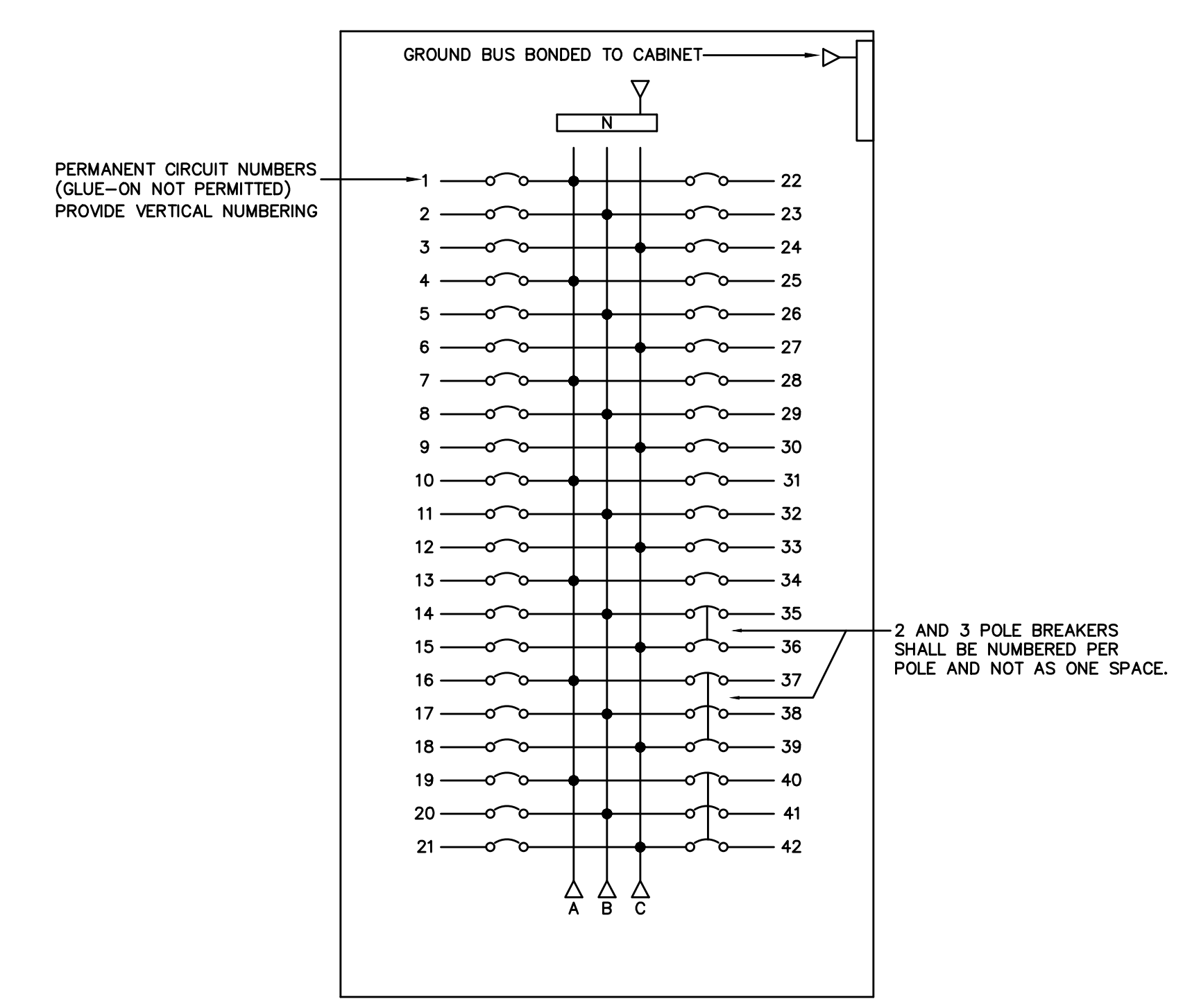
AUXILIARY OUTLET DETAIL NOTES

- ROUTE ALL AUXILIARY CONDUITS TO NEAREST CABLE TRAY (SEE PLANS FOR CABLE TRAY LOCATIONS)/ CONDUIT SLEEVE/ AUXILIARY BACKBOARD VIA J-HOOKS. TERMINATE CONDUITS WITH SMOOTH BUSHING. LABEL ALL CONDUITS PER SPECIFICATIONS. PROVIDE PULL WIRE IN ALL CONDUITS.
  - FURNISH AND INSTALL SLEEVE SIZES AND QUANTITIES AS REQUIRED FOR FULL CABLE CAPACITY REQUIRED PLUS 10% FUTURE GROWTH. CONDUIT FILL SHALL NOT EXCEED 40%. WHERE SLEEVES PENETRATE FIRE RATED PARTITIONS, FURNISH AND INSTALL WIREMOLD FLAMESTOPPER.
  - ALL DATA/ VOICE CABLES SHALL BE ROUTED TO BACKBOARD BB-A VIA CONDUIT/ J-HOOKS/ CONDUIT SLEEVES/ CABLE TRAY AND TERMINATED AS DIRECTED BY OWNER. LABEL ALL CABLES PER SPECIFICATIONS. ALL DATA/ VOICE CABLES, BOTH ENDS, SHALL BE LABELED AND TERMINATED PER SPECS/ AS DIRECTED BY OWNER. PROVIDE 10FT SERVICE LOOP ABOVE CEILING AT WORK AREA OUTLET FOR ALL CABLES. NO CABLE SHALL BE UNSUPPORTED FOR A DISTANCE GREATER THAN 3FT.
  - J-TYPE HOOKS SHALL BE WALKER/ WIREMOLD# 030306 AND SHALL BE MOUNTED ABOVE L.A.T. CEILING WHERE SHOWN/ REQUIRED. J-HOOKS SHALL BE SPACED AT MAXIMUM 3FT ON CENTER.
  - AUXILIARY OUTLETS SHALL BE MOUNTED AT +18" ABOVE FINISHED FLOOR (UNLESS SHOWN OTHERWISE) AND SHALL BE CONFIGURED AS FOLLOWS WITH DEVICE, PLATE AND ICON COLORS AS DIRECTED BY ARCHITECT.
- #DI DATA OUTLET (# DATA AS INDICATED) - FLUSH MOUNTED IN 4" SQUARE BOX WITH SINGLE GANG RAISED COVER. FURNISH AND INSTALL CAT5 CONNECTOR (LEVITON# 8110-1R6) WITH DATA ICONS FOR EACH DATA JACK AS INDICATED. ONE EACH UNBREAKABLE NYLON FACEPLATE WITH PORT CAPACITY AS REQUIRED TO PROVIDE ONE FUTURE PORT) WITH ONE EACH BLANK (LEVITON# 4108-1R6). FURNISH AND INSTALL CAT5 PLENUM RATED CABLES (# AS INDICATED FOR DATA) FROM OUTLET TO NEAREST AUXILIARY BACKBOARD VIA CONDUIT, J-HOOKS, SLEEVES AND/OR CABLE TRAY. ALL CABLES SHALL BE TERMINATED, BOTH ENDS, AS DIRECTED BY OWNER.
- #WAP DATA OUTLET (FOR WIRELESS ACCESS POINT) - FLUSH MOUNTED IN 4" SQUARE BOX IN CEILING WITH SINGLE GANG RAISED COVER. FURNISH AND INSTALL TWO EACH CAT5 CONNECTORS (LEVITON# 8110-1R6) WITH DATA ICONS FOR EACH DATA JACK AS INDICATED. ONE EACH UNBREAKABLE NYLON FACEPLATE WITH PORT CAPACITY AS REQUIRED TO PROVIDE ONE FUTURE PORT) WITH ONE EACH BLANK (LEVITON# 4108-1R6). FURNISH AND INSTALL CAT5 PLENUM RATED CABLES FROM OUTLET TO SPECIFIED BACKBOARD (SEE DETAIL NOTE 2) VIA CONDUIT, J-HOOKS, SLEEVES AND/OR CABLE TRAY. ALL CABLES SHALL BE TERMINATED, BOTH ENDS, AS DIRECTED BY OWNER. PROVIDE A MINIMUM 20FT SERVICE LOOP AT WAP LOCATION COILED ABOVE ACCESSIBLE CEILING.



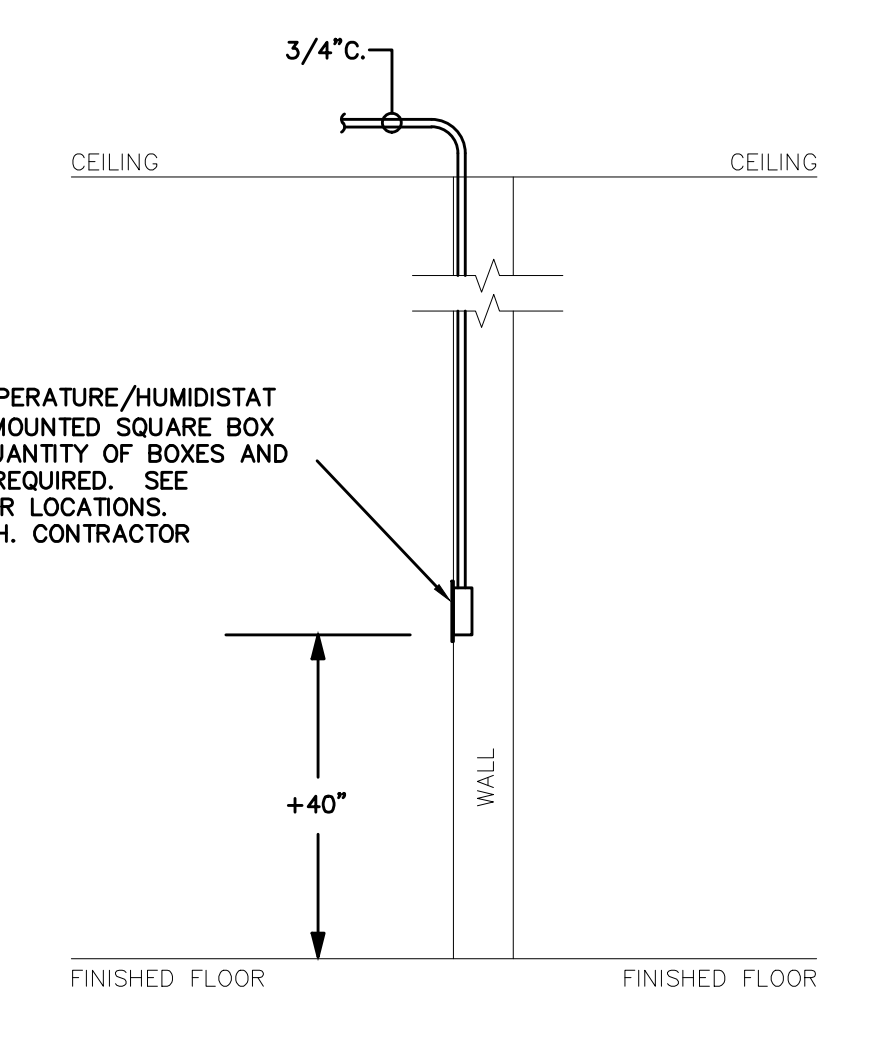
**DETAIL: HOOD AND EXHAUSTER**  
 NOT-TO-SCALE

- DETAIL NOTES:**
- LAMPS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE WITH HOOD SUPPLIER.
  - COMBINATION NON-FUSED SAFETY SWITCH/NEMA SIZE 1 FUSE STARTER W/20VAC COILS IN NEMA 4XSS ENCLOSURE COMPLETE WITH THERMAL OVERLOAD UNITS. COORDINATE WITH HOOD SUPPLIER/INSTALLER FOR MOUNTING STARTERS TO HOOD STRUCTURE. VERIFY COIL VOLTAGE REQUIRED PRIOR TO ORDERING SWITCH.
  - COORDINATE ALL ASPECTS OF EXHAUST FAN ROUGHING W/ APPROVED SHOP DRAWINGS PRIOR TO ANY ROUGHING. FURNISH AND INSTALL ANY/ALL MATERIALS AND CONNECTIONS REQUIRED FOR A FULL FUNCTIONING HOOD AS SPECIFIED.
  - COORDINATE EXACT LOCATIONS, ELECTRICAL REQUIREMENTS, ROUGHING AND TERMINATIONS FOR NEW HOOD EXTINGUISHING SYSTEM WITH APPROVED EQUIPMENT SUBMITTALS AND INSTALLING CONTRACTOR PRIOR TO ANY ROUGHING AND/OR ORDERING MATERIALS.

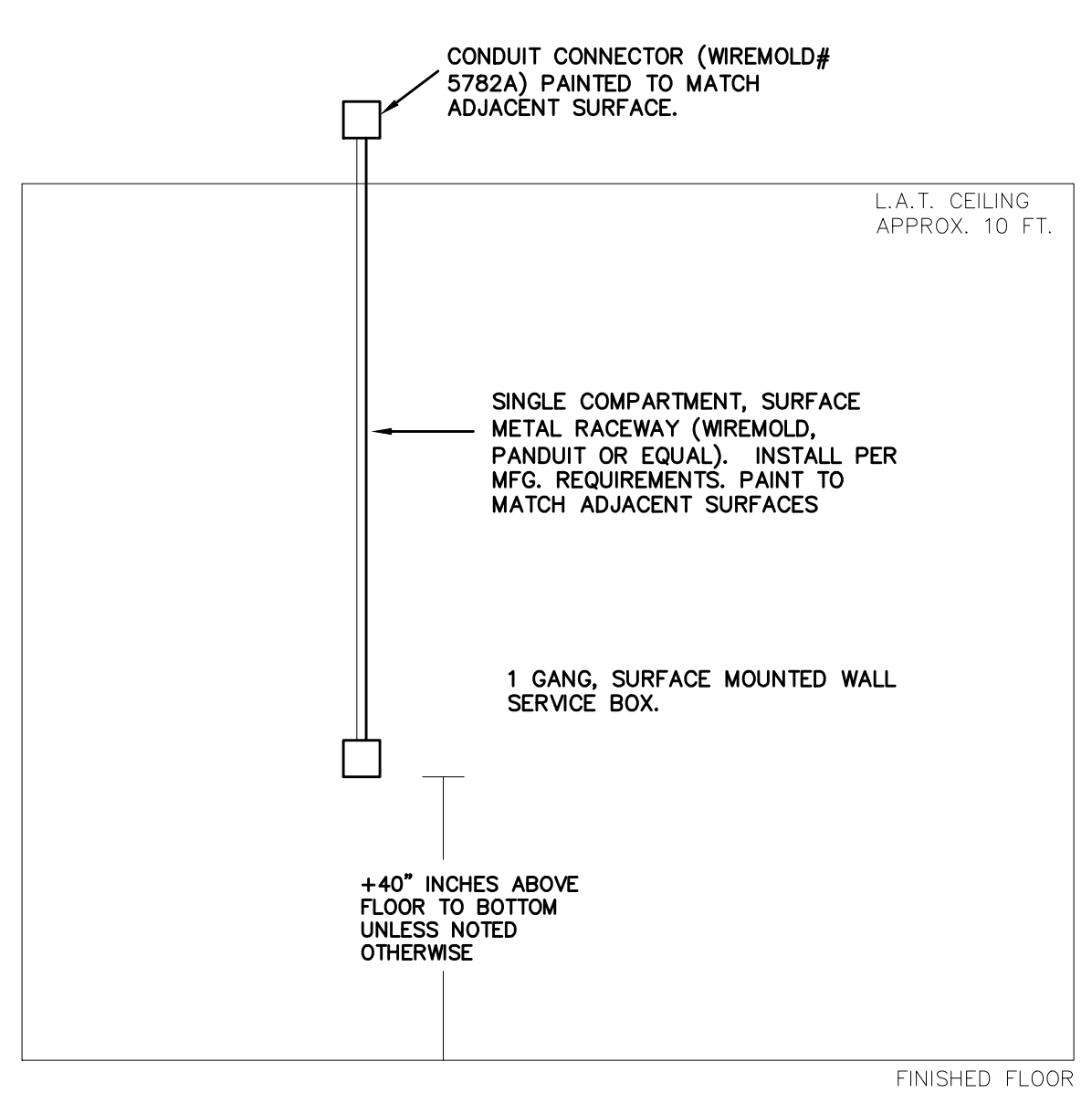


**PANELBOARD NOTES**  
 NOT TO SCALE

- DETAIL NOTES:**
- ARRANGE BREAKERS AS FOLLOWS: 1 POLE, LOW TO HIGH TRIP; 2 POLE, LOW TO HIGH TRIP; 3 POLE, LOW TO HIGH TRIP; SPARES THEN SPACE.
  - ALL PANELS TO HAVE DOOR-IN-DOOR (HINGED TRIM) CONSTRUCTION.
  - FOR SURFACE MOUNTED PANELS INSTALL ALL NAMEPLATES (PER DETAILS) USING MACHINE SCREWS; FOR FLUSH PANELS IN FINISHED SPACES, INSTALL NAMEPLATES TO INSIDE OF DOOR USING 2 PART EPOXY (15HR).
  - FOR ALL FLUSH PANELS, FURNISH AND INSTALL 4EA. 1" EMPTY CONDUITS TO ABOVE NEAREST ACCESSIBLE CLG. LABELS AS SPARES AND PROVIDE REGD. FIRESTOP.
  - ALL PANELS TO HAVE WELDED METAL DIRECTORY CARD HOLDERS.

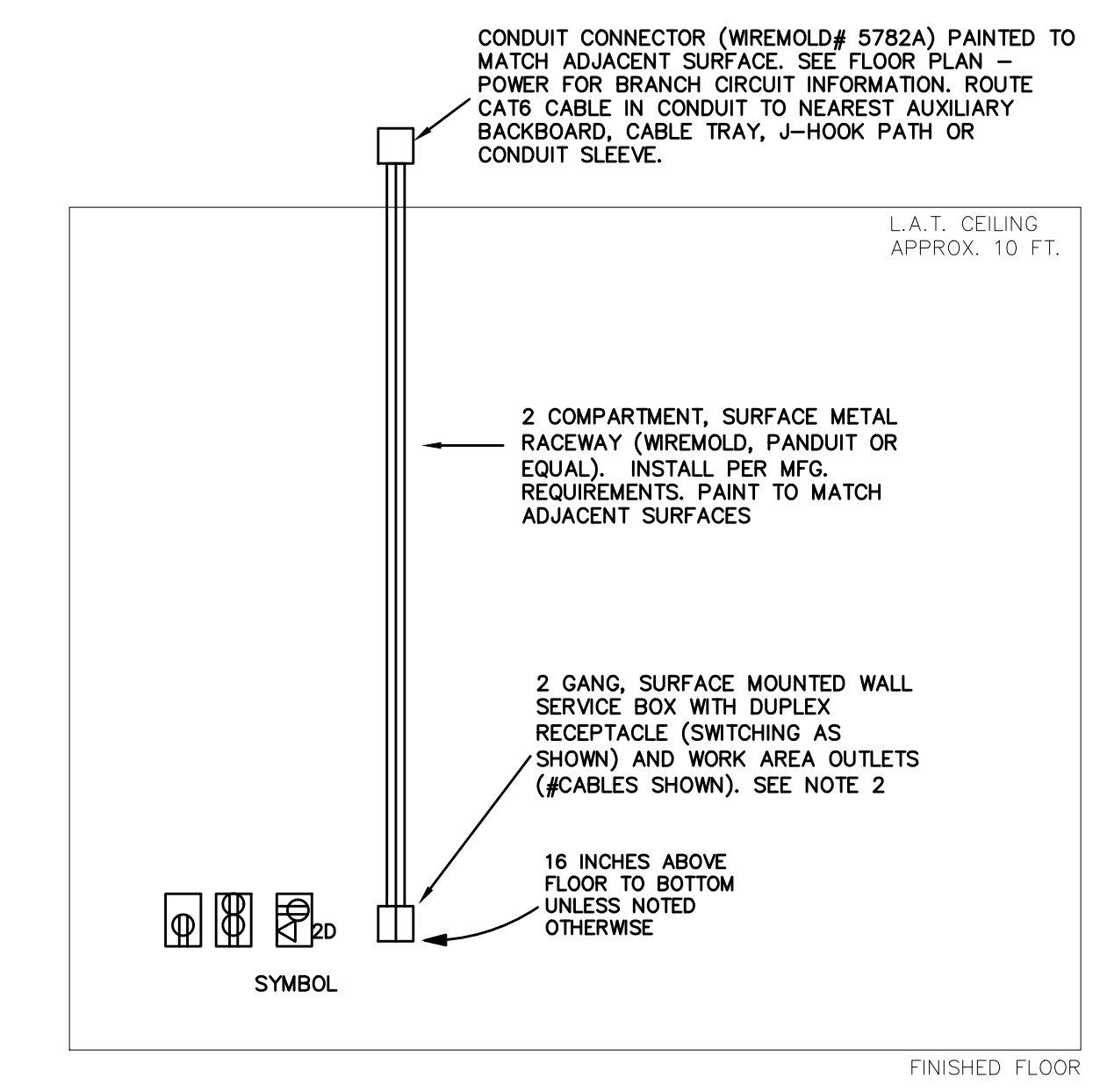


**DETAIL: MECHANICAL CONTROLS**  
 FLUSH MOUNTED WHERE SHOWN ON NEW WALLS  
 NOT TO SCALE



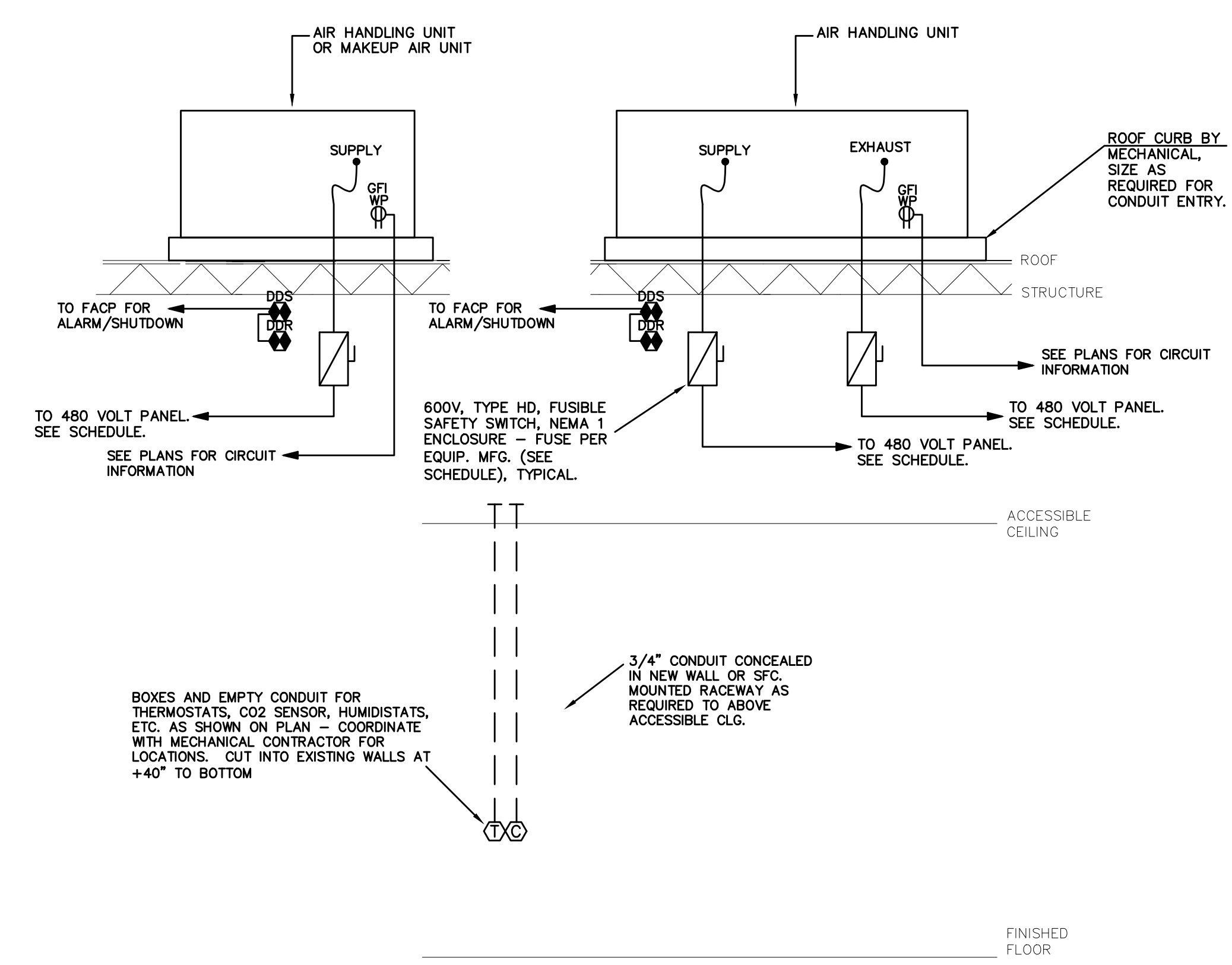
**DETAIL: MECHANICAL CONTROLS**  
 SURFACE MOUNTED WHERE SHOWN ON EXISTING WALLS  
 NOT TO SCALE

- DETAIL NOTES:**
- SEE MECHANICAL PLANS FOR CONTROL DEVICE LOCATIONS. INCLUDE CHARGES FOR REQUIRED DEVICE BOXES AS SHOWN.

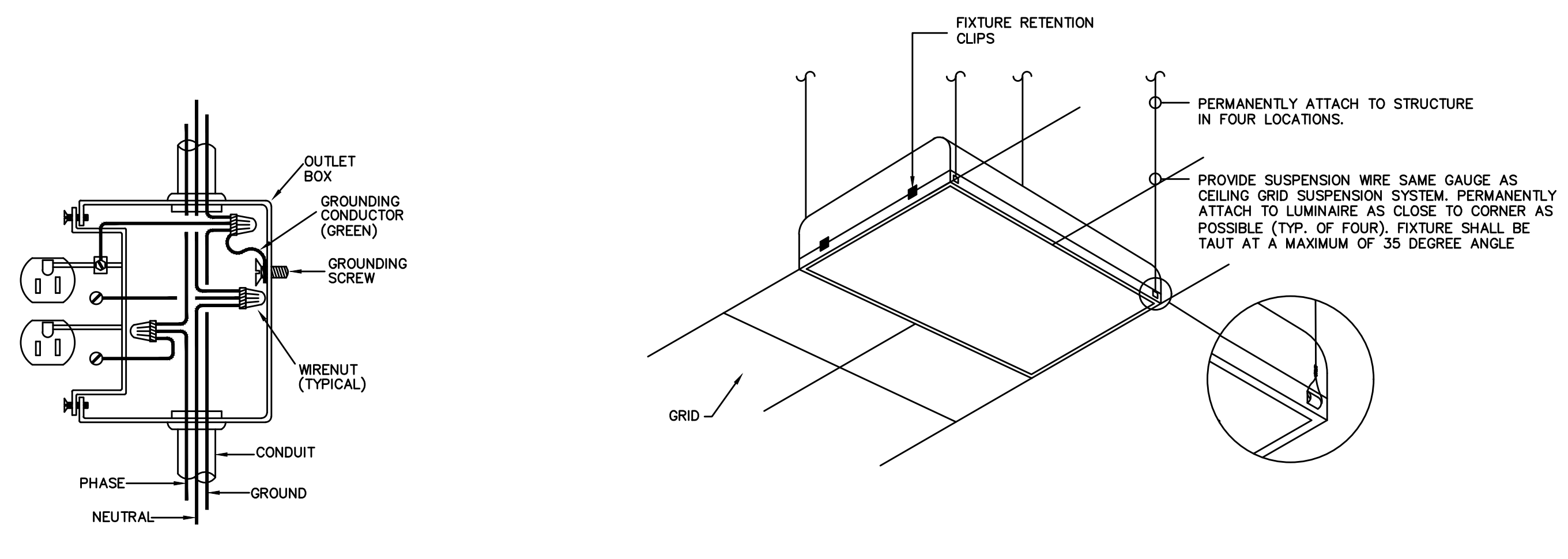


**DETAIL: SURFACE MOUNTED RECEPTACLES AND LAN OUTLETS**  
 NOT TO SCALE

- DETAIL NOTES:**
- SEE MECHANICAL PLANS FOR CONTROL DEVICE LOCATIONS. INCLUDE CHARGES FOR REQUIRED DEVICE BOXES AS SHOWN.
  - DATA OUTLET (# DATA AS INDICATED) - FURNISH AND INSTALL CAT6 CONNECTOR (LEVITON 6110-8RD) WITH DATA ICONS FOR EACH DATA JACK AS INDICATED. ONE EACH UNBREAKABLE NYLON FACEPLATE WITH PORT CAPACITY AS REQUIRED TO PROVIDE ONE FUTURE PORT) WITH ONE EACH BLANK (LEVITON 4184-8PS). FURNISH AND INSTALL CAT6 PLENUM RATED CABLES (# AS INDICATED FOR DATA) FROM OUTLET TO NEAREST AUXILIARY BACKBOARD VIA CONDUIT, J-HOOKS, SLEEVES AND/OR CABLE TRAY. ALL CABLES SHALL BE TERMINATED, BOTH ENDS, AS DIRECTED BY OWNER.
  - VERIFY AT EACH LOCATION IF THE RECEPTACLES SHOWN ARE HALF SWITCHED OF ALL SWITCHED.

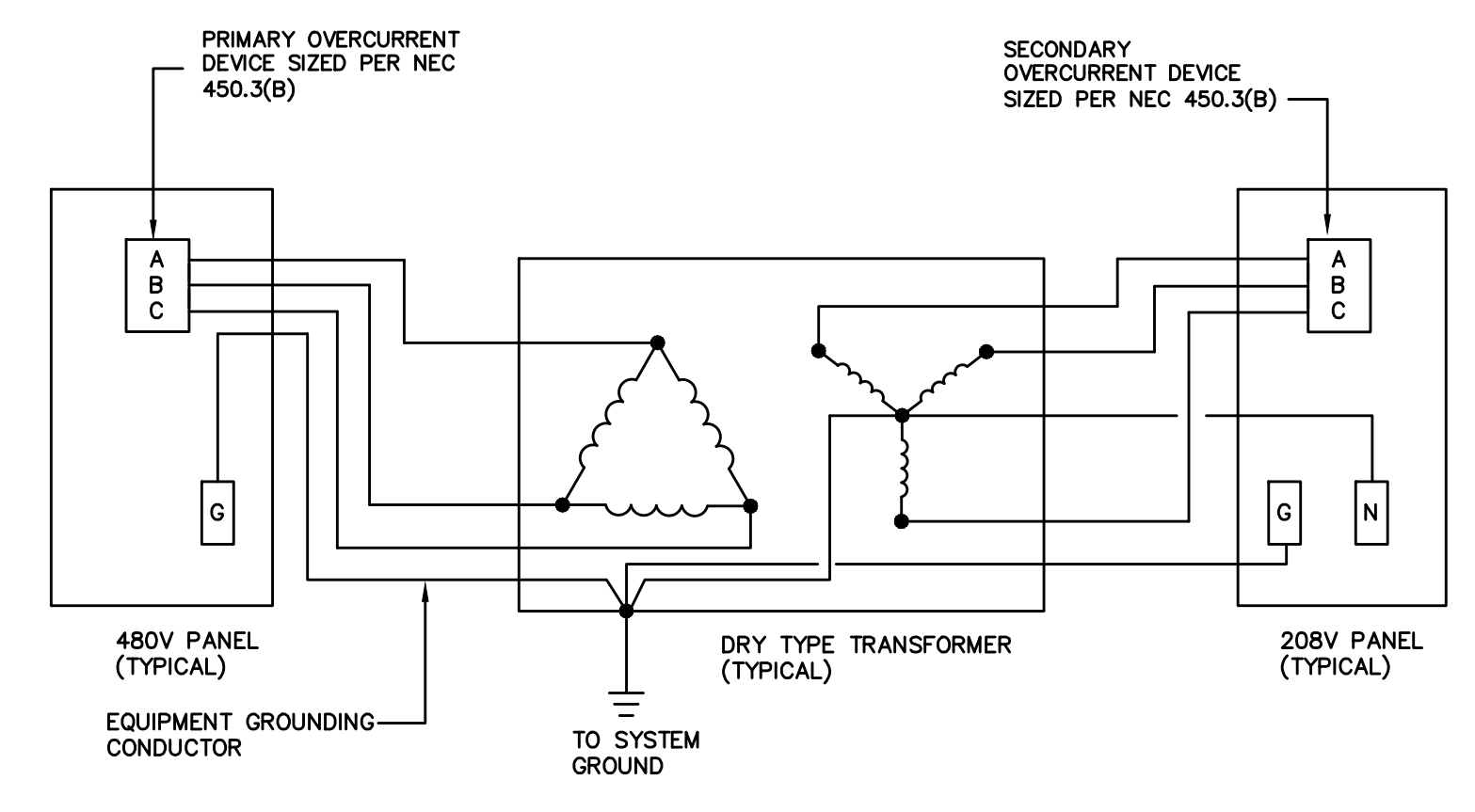


**ROOF MOUNTED AHU/MAU CONNECTIONS**  
 NOT TO SCALE

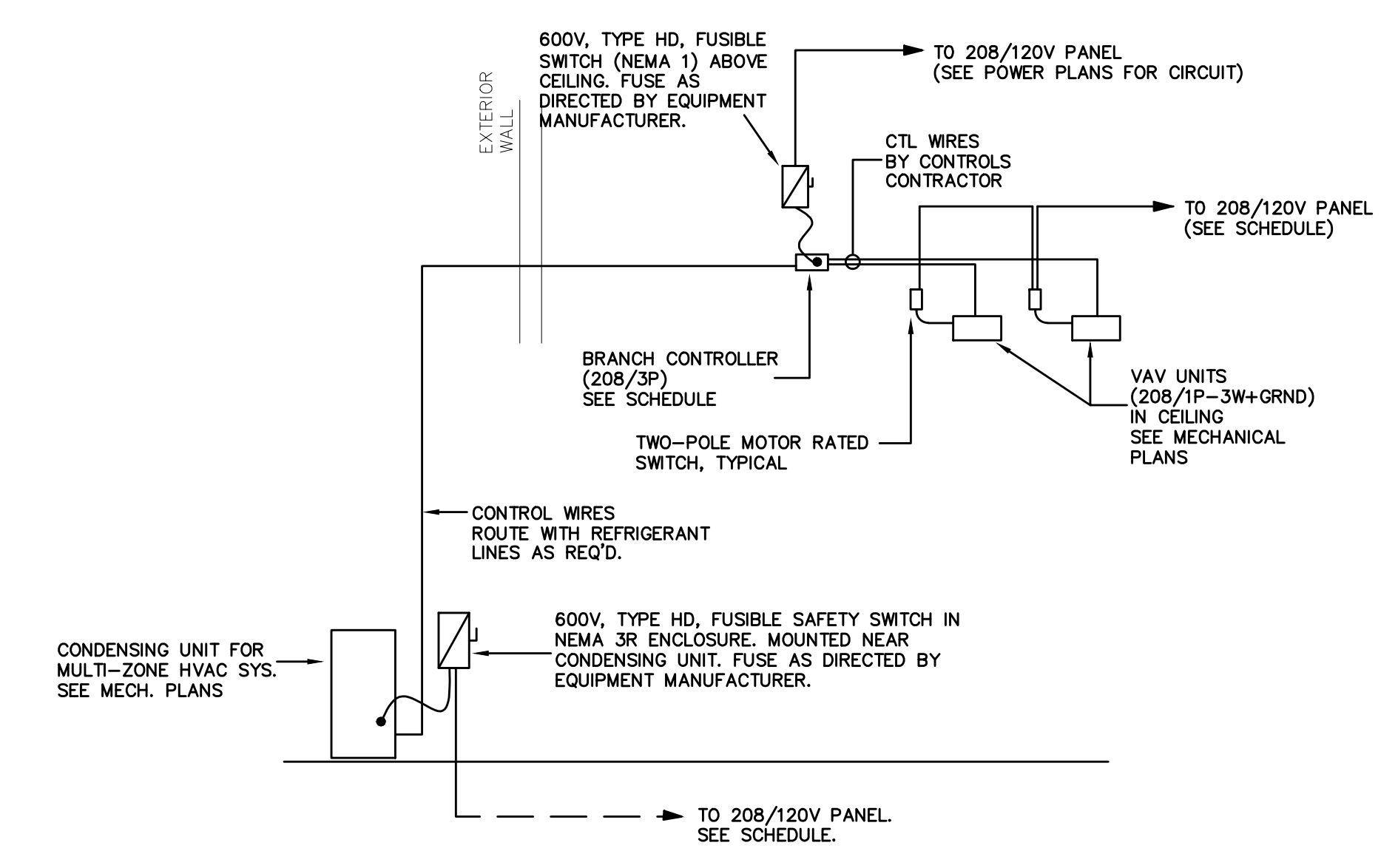


**RECESSED FIXTURE SUPPORTS**  
 NOT TO SCALE

**RECEPTACLE INSTALLATION**  
 NOT TO SCALE



**TRANSFORMER GROUNDING**  
 NOT TO SCALE



**MULTI-ZONE VRF SYSTEM CONNECTIONS**  
 NOT TO SCALE

- DETAIL NOTES:**
- CONTROL WIRING SHALL BE TWO (2) EACH, #16 STRANDED, TWISTED PAIR, SHIELDED, PLENUM RATED OR AS DIRECTED BY MECHANICAL EQUIPMENT PROVIDER. PROVIDE CONDUIT FOR CONTROL WIRING ADJACENT TO REFRIGERANT PIPING SLEEVES. FOR CONTROL WIRING INSIDE BUILDING, ROUTE WITH REFRIGERANT LINES, SECURE USING TIE-WRAPS IDENTIFY 10 FT. CENTERS, SUPPORT FROM STRUCTURE USING J-TYPE HOOKS OR OTHER APPROVED METHODS.

JOB NUMBER  
**17922**

DATE  
 04-25-2011

NO.	REVISIONS	DATE

SHEET TITLE

ELECTRICAL DETAILS

SHEET NUMBER  
**E-0.3**

OF  
**9**

THIS DRAWING MAY NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF NOLA VANPURSEM ARCHITECTS

DECATUR CITY SCHOOLS  
**AUSTIN HIGH SCHOOL**  
**CAREER TECH CENTER**  
 DECATUR, ALABAMA

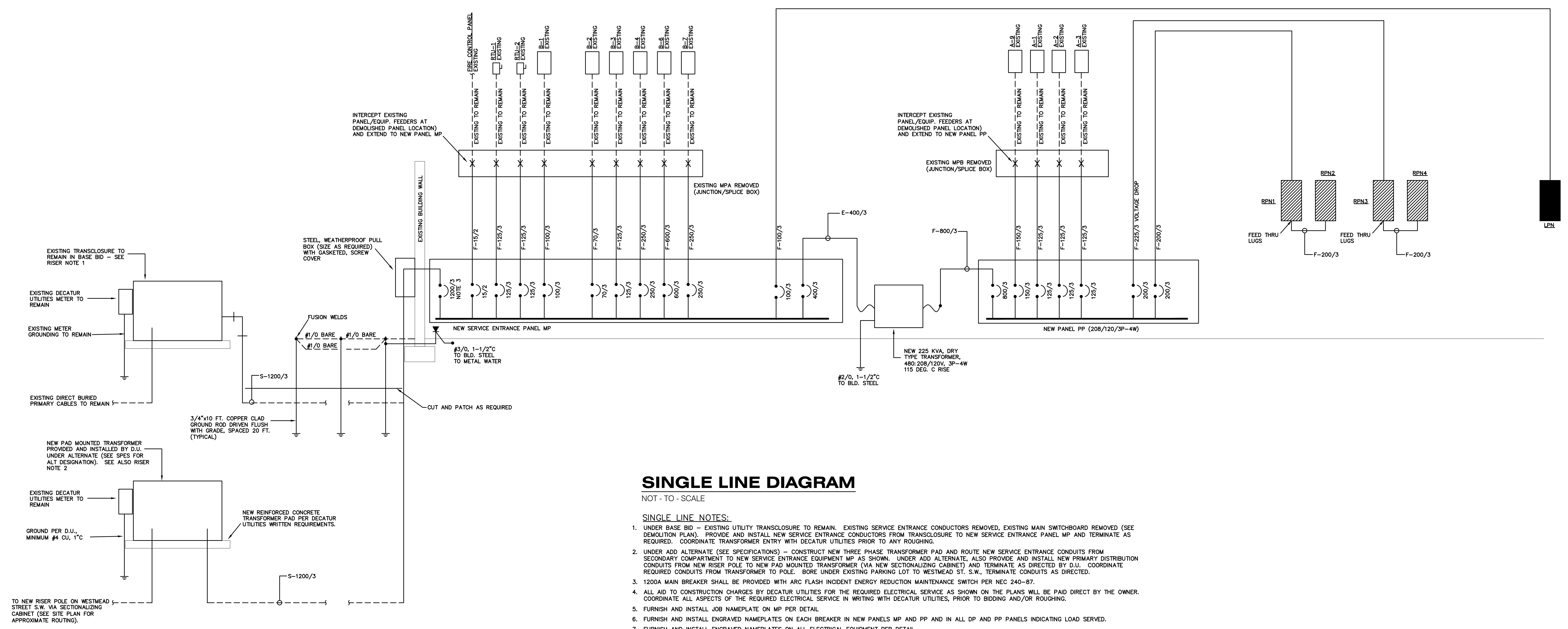
JOB NUMBER  
**17922**

DRWN / JRM / 04-25-2018  
 CHECKED / DATE

REVISIONS


SHEET TITLE  
**ELECTRICAL SINGLE LINE DIAGRAM**

SHEET NUMBER  
**E-0.4**  
 OF  
**9**



**SINGLE LINE DIAGRAM**

NOT TO SCALE

**SINGLE LINE NOTES:**

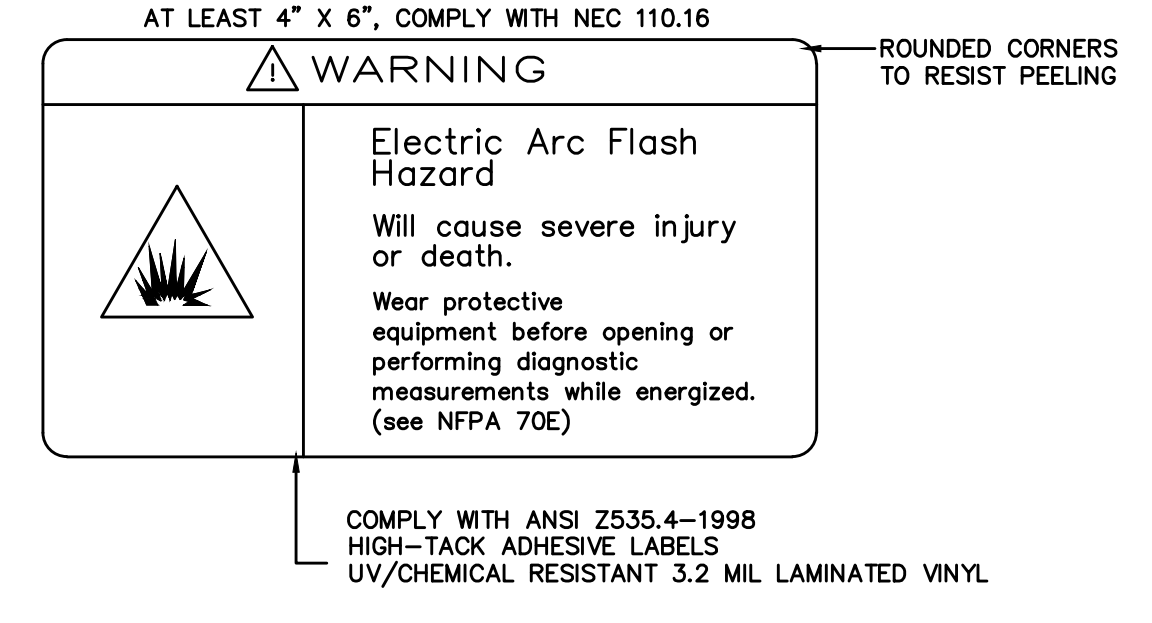
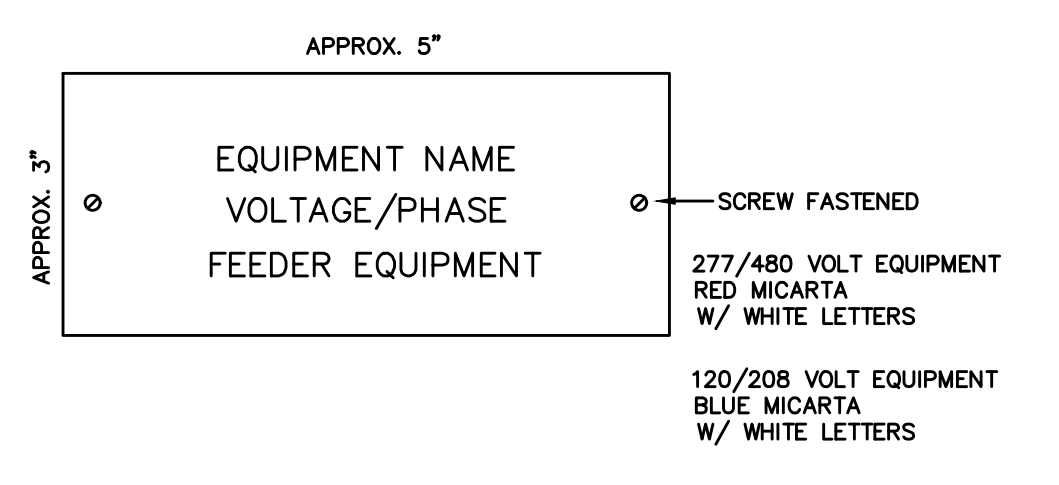
1. UNDER BASE BID - EXISTING UTILITY TRANSLOUSE TO REMAIN. EXISTING SERVICE ENTRANCE CONDUCTORS REMOVED, EXISTING MAIN SWITCHBOARD REMOVED (SEE DEMOLITION PLAN). PROVIDE AND INSTALL NEW SERVICE ENTRANCE CONDUCTORS FROM TRANSLOUSE TO NEW SERVICE ENTRANCE PANEL MP AND TERMINATE AS REQUIRED. COORDINATE TRANSFORMER ENTRY WITH DECATUR UTILITIES PRIOR TO ANY ROUGHING.
2. UNDER ADD ALTERNATE (SEE SPECIFICATIONS) - CONSTRUCT NEW THREE PHASE TRANSFORMER PAD AND ROUTE NEW SERVICE ENTRANCE CONDUITS FROM SECONDARY COMPARTMENT TO NEW SERVICE ENTRANCE EQUIPMENT MP AS SHOWN. UNDER ADD ALTERNATE, ALSO PROVIDE AND INSTALL NEW PRIMARY DISTRIBUTION CONDUITS FROM NEW RISER POLE TO NEW PAD MOUNTED TRANSFORMER (VA NEW SECTIONALIZING CABINET) AND TERMINATE AS DIRECTED BY D.U. COORDINATE REQUIRED CONDUITS FROM TRANSFORMER TO POLE. BORE UNDER EXISTING PARKING LOT TO WESTMEAD ST. S.W. TERMINATE CONDUITS AS DIRECTED.
3. 1200A MAIN BREAKER SHALL BE PROVIDED WITH ARC FLASH INCIDENT ENERGY REDUCTION MAINTENANCE SWITCH PER NEC 240-87.
4. ALL AID TO CONSTRUCTION CHARGES BY DECATUR UTILITIES FOR THE REQUIRED ELECTRICAL SERVICE AS SHOWN ON THE PLANS WILL BE PAID DIRECT BY THE OWNER. COORDINATE ALL ASPECTS OF THE REQUIRED ELECTRICAL SERVICE IN WRITING WITH DECATUR UTILITIES, PRIOR TO BIDDING AND/OR ROUGHING.
5. FURNISH AND INSTALL JOB NAMEPLATE ON MP PER DETAIL.
6. FURNISH AND INSTALL ENGRAVED NAMEPLATES ON EACH BREAKER IN NEW PANELS MP AND PP AND IN ALL DP AND PP PANELS INDICATING LOAD SERVED.
7. FURNISH AND INSTALL ENGRAVED NAMEPLATES ON ALL ELECTRICAL EQUIPMENT PER DETAIL.
8. FURNISH HINGED TRIM FOR ALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT PANELS THIS PROJECT.
9. PROVIDE REQUIRED GROUNDING ELECTRODE CONNECTIONS AS SHOWN ON DETAIL.
10. ALL DRY-TYPE TRANSFORMERS SHALL BE ENERGY EFFICIENT (WATCHDOG) 115° C RISE, NEMA 1 ENCLOSURE, ALUMINUM WINDINGS.

**CONDUCTOR/CONDUIT SCHEDULE**

FEEDER IDENTIFIER	MOCP	SERVICE FEEDER EQUIPMENT	COPPER WIRE AND CONDUIT SIZE *
S-1200/3	1200/3	SERVICE	4-RUNS #4350MCM-3 1/2" C.
F-15/2	15/2	FEEDER	3#12, 1#12(G)-3/4" C.
F-70/3	70/3	FEEDER	4#4, 1#8(G)-1 1/4" C.
F-100/3	100/3	FEEDER	4#3, 1#8(G)-1 1/4" C.
F-125/3	125/3	FEEDER	4#1, 1#8(G), 1-1/2" C.
F-150/3	150/3	FEEDER	4#1/0, 1#8(G), 2" C.
F-200/3	200/3	FEEDER	4#3/0, 1#8(G), 2" C.
F-250/3	250/3	FEEDER	4#250MCM, 1#4(G), 2-1/2" C.
F-600/3	600/3	FEEDER	2-RUNS #43550MCM, 1#1(G), 3-1/2" C.
F-800/3	800/3	FEEDER	2-RUNS #4600MCM, 1#1/0(G), 4" C.
E-400/3	400/3	EQUIPMENT	4#500MCM, 1#3(G), 3-1/2" C.

**NAMEPLATES DETAIL**

ALL ELECTRICAL EQUIPMENT PER SPECIFICATIONS  
 NOT TO SCALE



**ARC FLASH HAZARD LABEL**

ALL ELECTRICAL EQUIPMENT PER SPECIFICATIONS  
 NOT TO SCALE

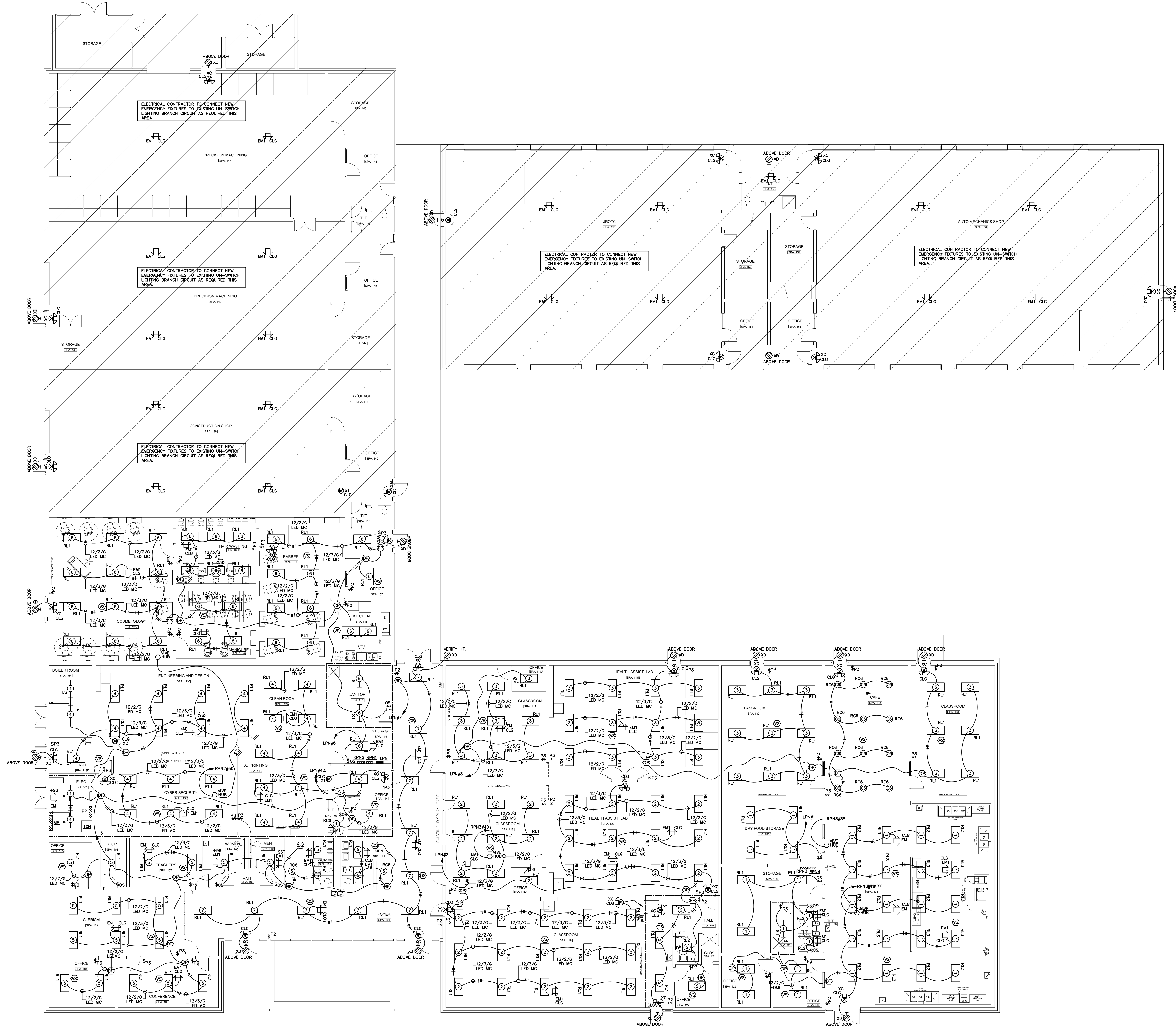
REVISIONS



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

**DEMOLITION NOTES:**

- EXISTING CMU WALL TO BE REMOVED. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED RACEWAY, BRANCH CIRCUITS, CONDUIT AND BOXES COMPLETE TO PANEL OF ORIGIN. LEAVE BREAKER AS SPARE. UPDATE PANEL DIRECTORY TO REFLECT CHANGES. RE-CONNECT AND ISOLATED LOADS DUE TO DEMOLITION.
- EXISTING CMU WING WALL TO BE REMOVED. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED RACEWAY, BRANCH CIRCUITS, CONDUIT AND BOXES COMPLETE TO PANEL OF ORIGIN. LEAVE BREAKER AS SPARE. UPDATE PANEL DIRECTORY TO REFLECT CHANGES. RE-CONNECT AND ISOLATED LOADS DUE TO DEMOLITION.
- EXISTING SWITCHBOARD TO BE DEMOLISHED. DISCONNECT EXISTING SWITCHBOARD FROM EXISTING TRANSFERENCE. PREPARE EXISTING FEEDER BRANCH CIRCUITS AND EXTEND TO NEW PANEL. SEE SINGLE LINE DIAGRAM FOR REQUIRED WORK. ELECTRICAL CONTRACTOR TO USE BOTTOM PORTION OF SWITCHBOARD AS A PULL BOX. CONTRACTOR TO FABRICATE SCREW FASTENED COVER AS REQUIRED.
- EXISTING 225KVA TRANSFORMER - DISCONNECT AND REMOVE EXISTING 480V FEEDER AND CONDUIT FROM EXISTING SWITCHBOARD. DISCONNECT AND REMOVE EXISTING 208V FEEDER AND CONDUIT FROM EXISTING PANEL 'B'.
- DISCONNECT AND REMOVE EXISTING FEEDER BRANCH CIRCUITS. PREPARE AND EXTEND TO NEW PANEL 'B'. SEE RISER DIAGRAM. REMOVE EXISTING PANEL 'B' INTERIOR AND USE AS PULL BOX. ELECTRICAL CONTRACTOR TO FABRICATE SCREW FASTENED COVER AS REQUIRED.
- EXISTING CASEWORK TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED RACEWAY, BRANCH CIRCUITS, CONDUIT AND BOXES COMPLETE TO PANEL OF ORIGIN. LEAVE BREAKER AS SPARE. UPDATE PANEL DIRECTORY TO REFLECT CHANGES. RE-CONNECT AND ISOLATED LOADS DUE TO DEMOLITION.
- EXISTING STUD WALL TO BE REMOVED. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED RACEWAY, BRANCH CIRCUITS, CONDUIT AND BOXES COMPLETE TO PANEL OF ORIGIN. LEAVE BREAKER AS SPARE. UPDATE PANEL DIRECTORY TO REFLECT CHANGES. RE-CONNECT AND ISOLATED LOADS DUE TO DEMOLITION.
- DISCONNECT AND REMOVE EXISTING UPS, FEEDERS AND ALL ASSOCIATED COMPONENTS COMPLETE TO SOURCE PANEL. UPDATE PANEL DIRECTORY TO REFLECT CHANGES.
- EXISTING FLOORING TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING FLOOR BOXES, BRANCH CIRCUIT WIRING COMPLETE TO NEAREST JUNCTION BOX AND MAKE SAFE. ABANDON CONDUIT IN PLACE. LEAVE BREAKER AS SPARE. UPDATE PANEL DIRECTORY TO REFLECT CHANGES. RE-CONNECT AND ISOLATED LOADS DUE TO DEMOLITION.
- EXISTING CEILING TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING FEATURES, BRANCH CIRCUIT WIRING, LIGHTING CONTROL DEVICES, CONDUIT AND BOXES COMPLETE TO PANEL OF ORIGIN. LEAVE BREAKER AS SPARE. UPDATE PANEL DIRECTORY TO REFLECT CHANGES. RE-CONNECT AND ISOLATED LOADS DUE TO DEMOLITION. CONTRACTOR TO HANG EXISTING FIXTURES AND USE AS TEMPORARY LIGHTING DURING CONSTRUCTION.
- DISCONNECT AND REMOVE EXISTING AUXILIARY BACKBOARD, EXISTING OBSOLETE PHONE SYSTEM, ASSOCIATED TELEPHONE WIRING AND ANY COMPONENTS COMPLETE TO SOURCE.
- DISCONNECT AND REMOVE EXISTING FLOOR BOX, BRANCH CIRCUIT WIRING AND MAKE SAFE. CONTRACTOR TO FILL EXISTING OPENING WITH GROUT. ABANDON CONDUIT IN PLACE. LEAVE BREAKER AS SPARE. UPDATE PANEL DIRECTORY TO REFLECT CHANGES. RECONNECT ANY ISOLATED LOADS DUE TO DEMOLITION.
- ELECTRICAL CONTRACTOR TO REMOVE ANY EXISTING AUXILIARY CABLING THAT HAS BEEN ABANDONED BY DEMOLITION.



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

JOB NUMBER	17922
DATE	04/25/2018
REVISIONS	
SHEET TITLE	FLOOR PLAN - LIGHTING
SHEET NUMBER	E-2.0
OF	9

DECATUR CITY SCHOOLS  
**AUSTIN HIGH SCHOOL  
 CAREER TECH CENTER**  
 DECATUR, ALABAMA

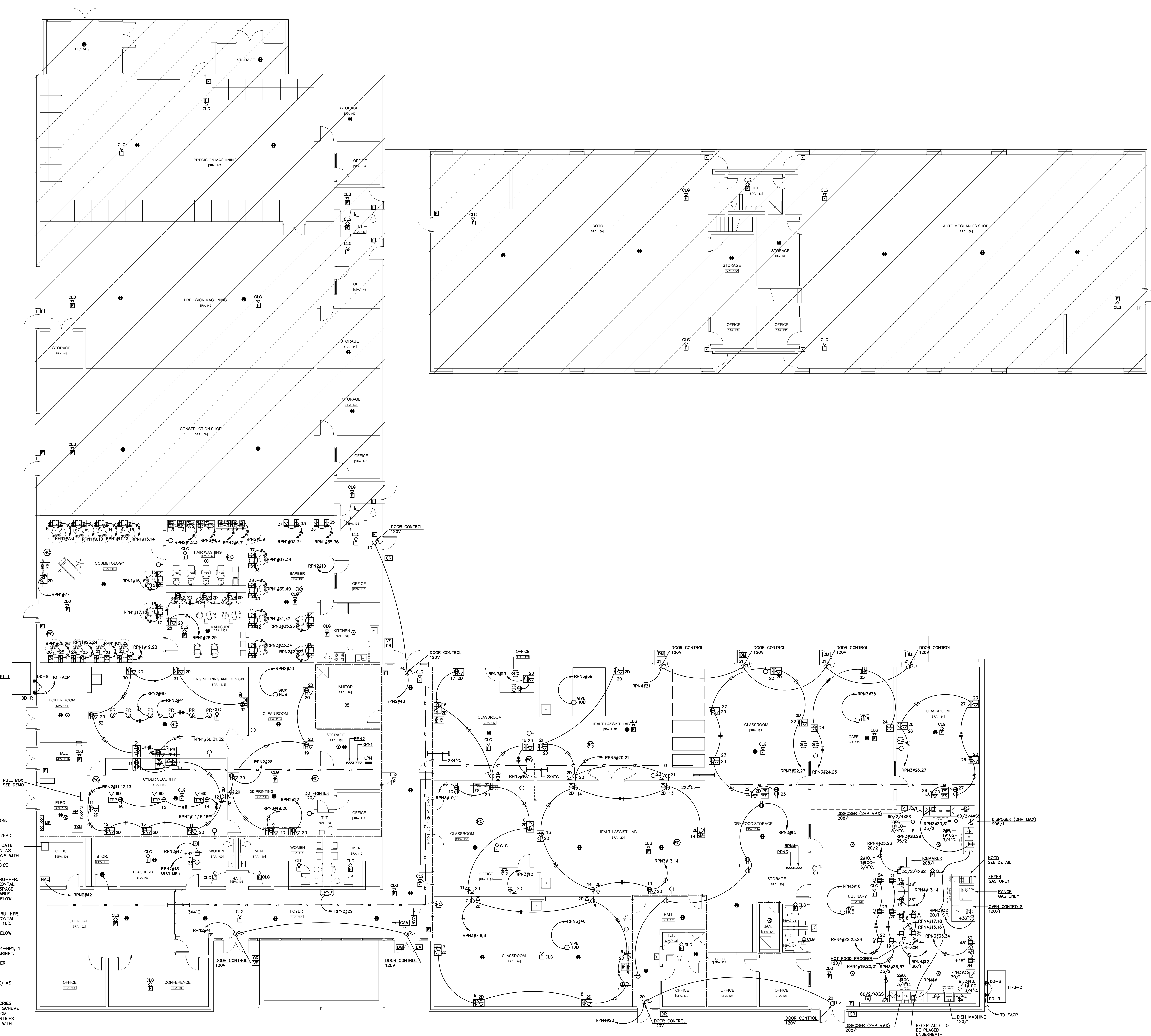
JOB NUMBER  
**17922**

DATE  
 04-25-2018

NO.	REVISIONS	DATE

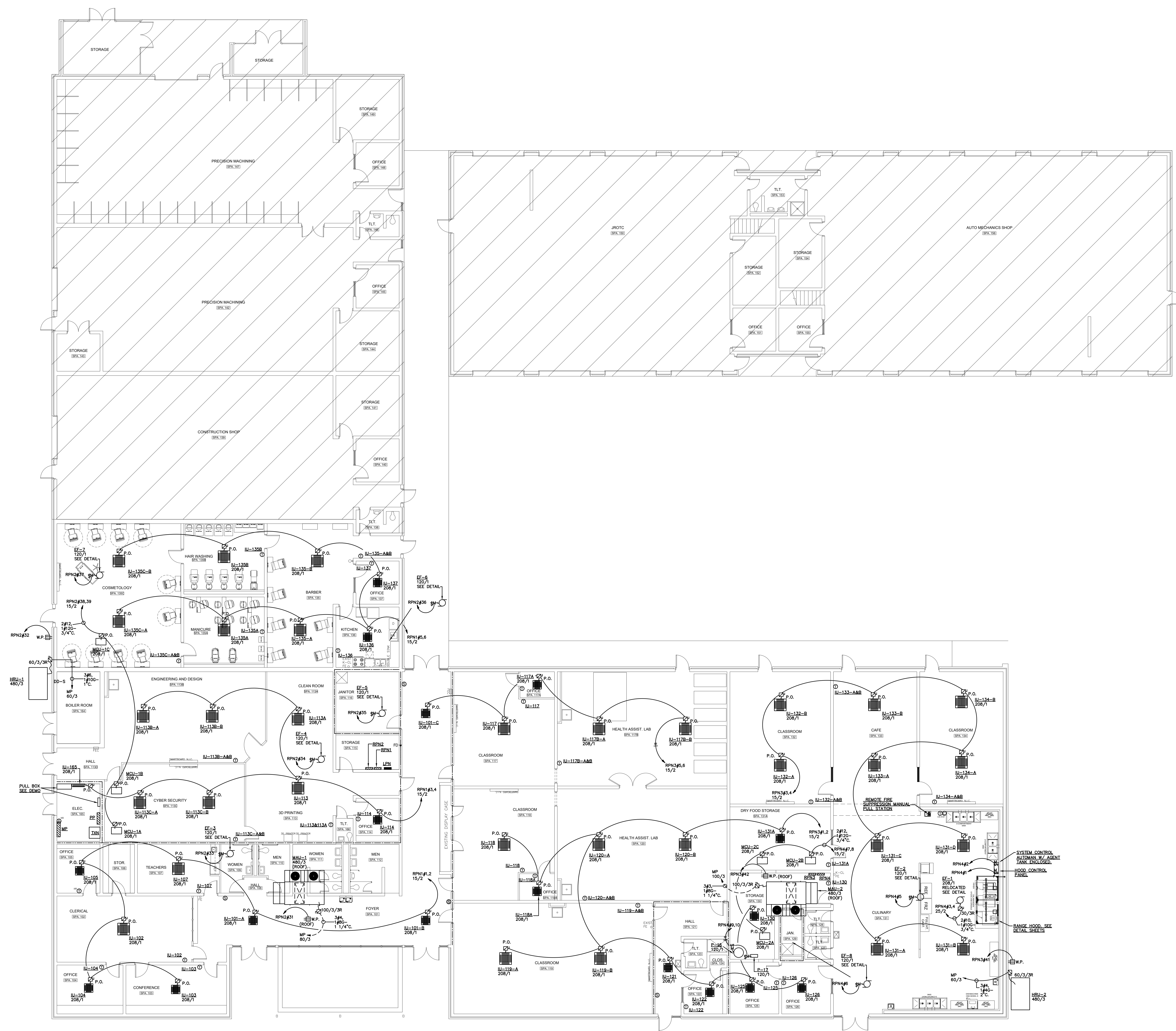
SHEET TITLE  
**FLOOR PLAN - POWER AND AUXILIARY**

SHEET NUMBER  
**E-3.0**  
 OF  
**9**



- AUXILIARY CABINET (BB-1) SEE FLOOR PLANS FOR BACKBOARD LOCATION. FURNISH AND INSTALL ALL EQUIPMENT AS LISTED/REQUIRED.**
- WALL-MOUNTED CABINET SHALL BE GREAT LAKES MODEL# DWR-18-26PD.
  - 48 PORT PATCH PANEL SHALL BE LEVITON# 69586-1145 (48-PORT, CAT6 HIGH-DENSITY PATCH PANEL). PROVIDE QUANTITY AT EACH LOCATION AS REQUIRED FOR ALL HORIZONTAL DATA AND VOICE CABLE TERMINATIONS WITH ADDITIONAL SPACE FOR 10% FUTURE GROWTH. ALL DATA, VOICE AND SECURITY CABLES TO BE PATCHED TO SEPARATE PATCH PANELS. VOICE CABLES SHALL BE TERMINATED ON SEPARATE PATCH PANELS.
  - 1 RACK UNIT HORIZONTAL CABLE MANAGER SHALL BE LEVITON# 4918U-HFR. PROVIDE QUANTITY AT EACH LOCATION AS REQUIRED FOR ALL HORIZONTAL DATA, VOICE AND SECURITY CABLE TERMINATIONS WITH ADDITIONAL SPACE FOR 10% FUTURE GROWTH. PROVIDE 1 RACK UNIT OF HORIZONTAL CABLE MANAGEMENT PER EACH 24 PATCH OR SWITCH PORTS (ABOVE OR BELOW ASSOCIATED PATCH PANEL/ OWNER FURNISHED SWITCH LOCATION).
  - 2 RACK UNIT HORIZONTAL CABLE MANAGER SHALL BE LEVITON# 4928U-HFR. PROVIDE QUANTITY AT EACH LOCATION AS REQUIRED FOR ALL HORIZONTAL DATA AND VOICE CABLE TERMINATIONS WITH ADDITIONAL SPACE FOR 10% FUTURE GROWTH. PROVIDE 1 RACK UNIT OF HORIZONTAL CABLE MANAGEMENT PER EACH 24 PATCH OR SWITCH PORTS (ABOVE OR BELOW ASSOCIATED PATCH PANEL/ OWNER FURNISHED SWITCH LOCATION).
  - BLANK FILLER PANEL SHALL BE LEVITON# 49254-SF2, 2 RU./ 49254-SF1, 1 RU. PROVIDE QUANTITY AS REQUIRED FOR ALL BLANK SPACES IN CABINET.
  - RACK GROUNDING KIT SHALL BE GREAT LAKES# GR101. PROVIDE 1 PER CABINET AND CONNECT TO TELECOM GROUND BAR.
  - RACK MOUNT FIBER CABINET(S). EACH CABINET SHALL BE LEVITON# SH4U-303 COMPLETE WITH ADAPTER PANELS LEVITON# 2F100-122) AS REQUIRED TO TERMINATE ALL FIBER PAIRS AND BLANKS (LEVITON# 5F100-BP1) FOR OPEN PANEL LOCATIONS.
  - AT EACH CABINET PROVIDE, AT A MINIMUM, THE FOLLOWING ACCESSORIES: COLOR CODED CABLE MANAGEMENT STRAPS (TO COORDINATE COLOR SCHEME WITH OWNER PRIOR TO ORDERING), 2" C (QUANTITY AS REQUIRED) FROM ABOVE CEILING TO CABINET FOR ALL HORIZONTAL AND RACKING ENTRIES INTO RACK, 1 EACH HORIZONTAL POWER STRIP (20AMP, 6 POSITION, WITH AMP METER - NO SWITCH) AND EQUIPMENT GROUND ASSEMBLY.
  - FURNISH AND INSTALL FIBER JUMPERS FROM EXISTING WALL-MOUNTED CABINET IN SAME ROOM FOR PROVISION OF LAN CONNECTION AS REQUIRED.

**FLOOR PLAN - POWER AND AUXILIARY**  
 SCALE: 1/8" = 1'-0"



**FLOOR PLAN - HVAC EQUIPMENT CONNECTIONS**  
 SCALE: 1/8" = 1'-0"

JOB NUMBER  
 17922

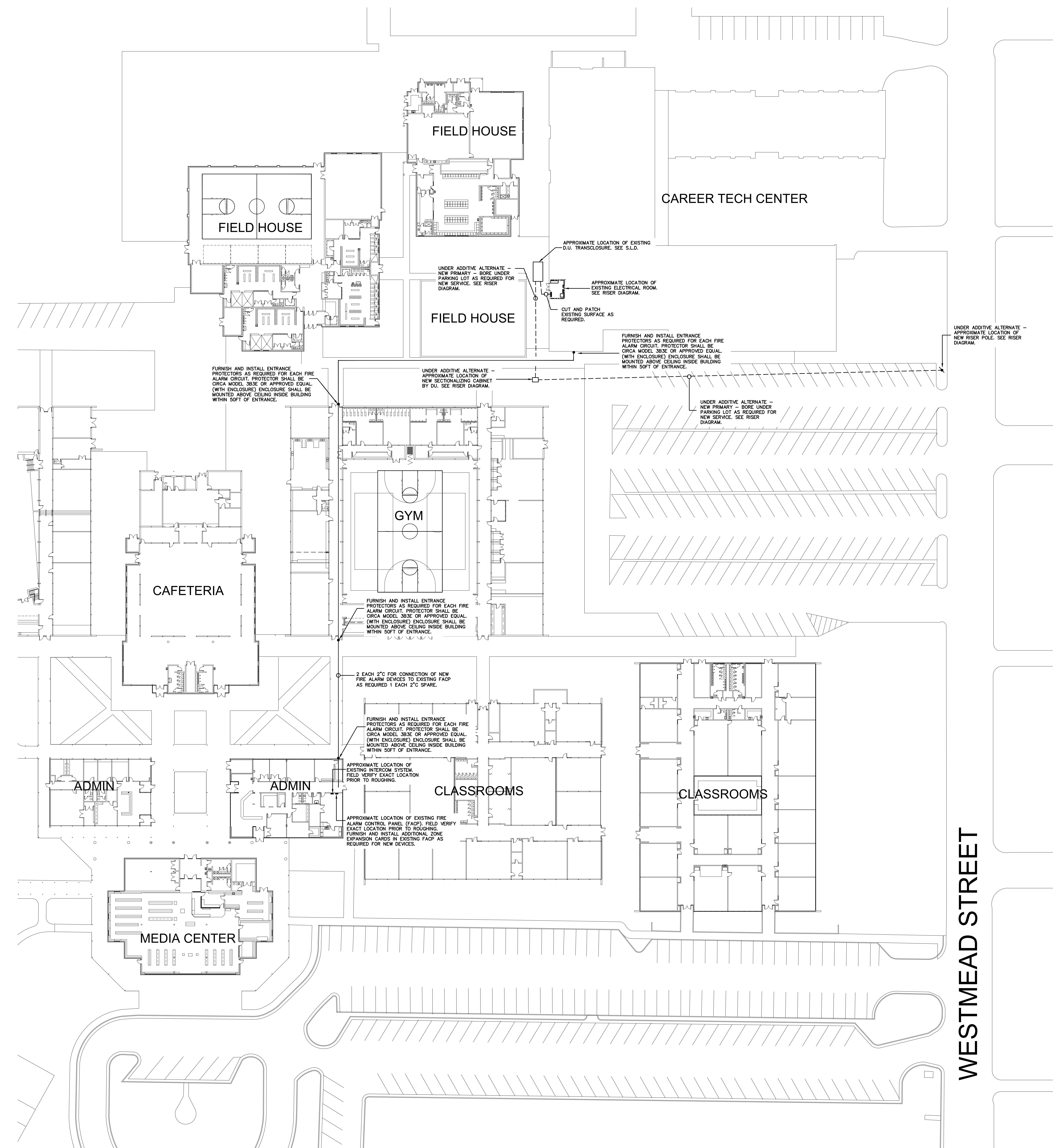
DATE  
 04/25/2011

NO.	REVISIONS

SHEET TITLE  
 FLOOR PLAN - HVAC EQUIPMENT CONNECTIONS

SHEET NUMBER  
 E-4.0  
 OF  
 9

NO.	REVISIONS



**SITE PLAN - ELECTRICAL**  
 SCALE: 1" = 30'-0"

WESTMEAD STREET