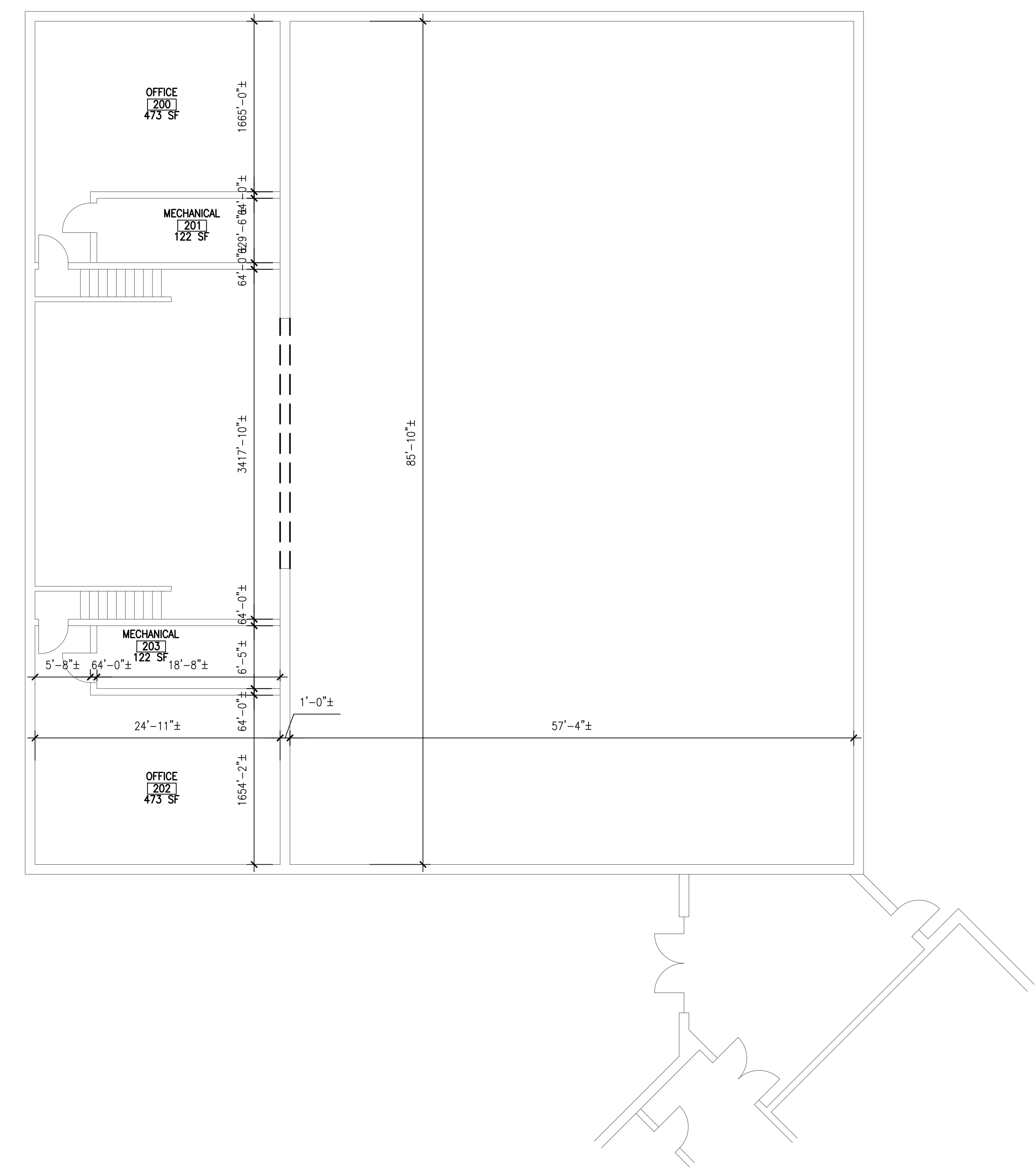
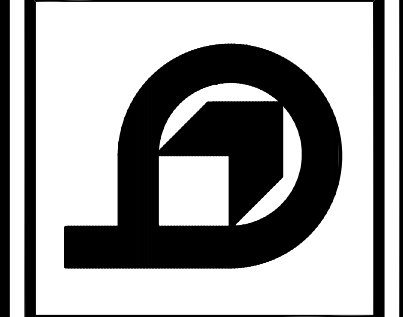


PLAN NORTH
 1 FIRST FLOOR PLAN
 EX 2.0 1/8"=1'-0" FILE: COMP.DWG



PLAN NORTH
 2 SECOND FLOOR PLAN
 EX 2.0 1/8"=1'-0" FILE: COMP.DWG

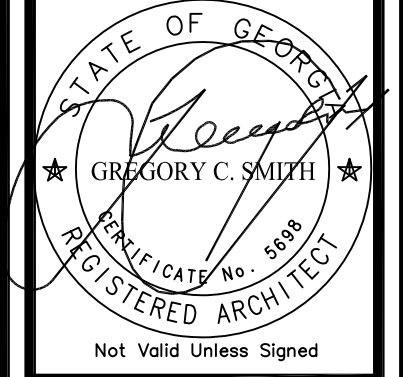


WALKER COUNTY SCHOOLS HVAC MODIFICATIONS
 FAIRLAND ELEMENTARY SCHOOL & CHEROKEE RIDGE ELEMENTARY SCHOOL FACILITY CODE: 746-2062 & 746-0199
 LAFAYETTE WALKER COUNTY GEORGIA
 JAMES W. BUCKLEY & ASSOCIATES, INC. - ARCHITECTS
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SHEET TITLE
 FLOOR PLAN

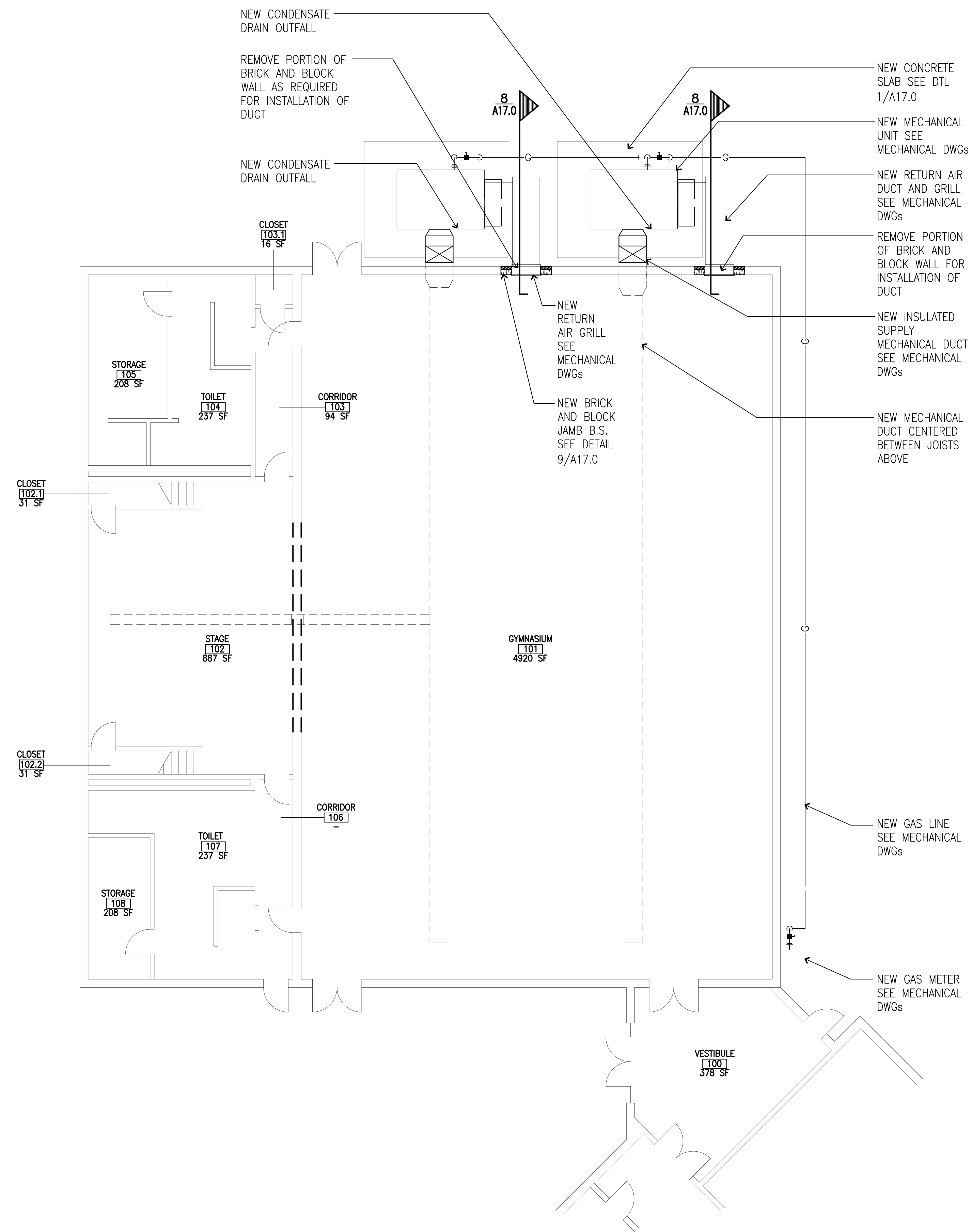
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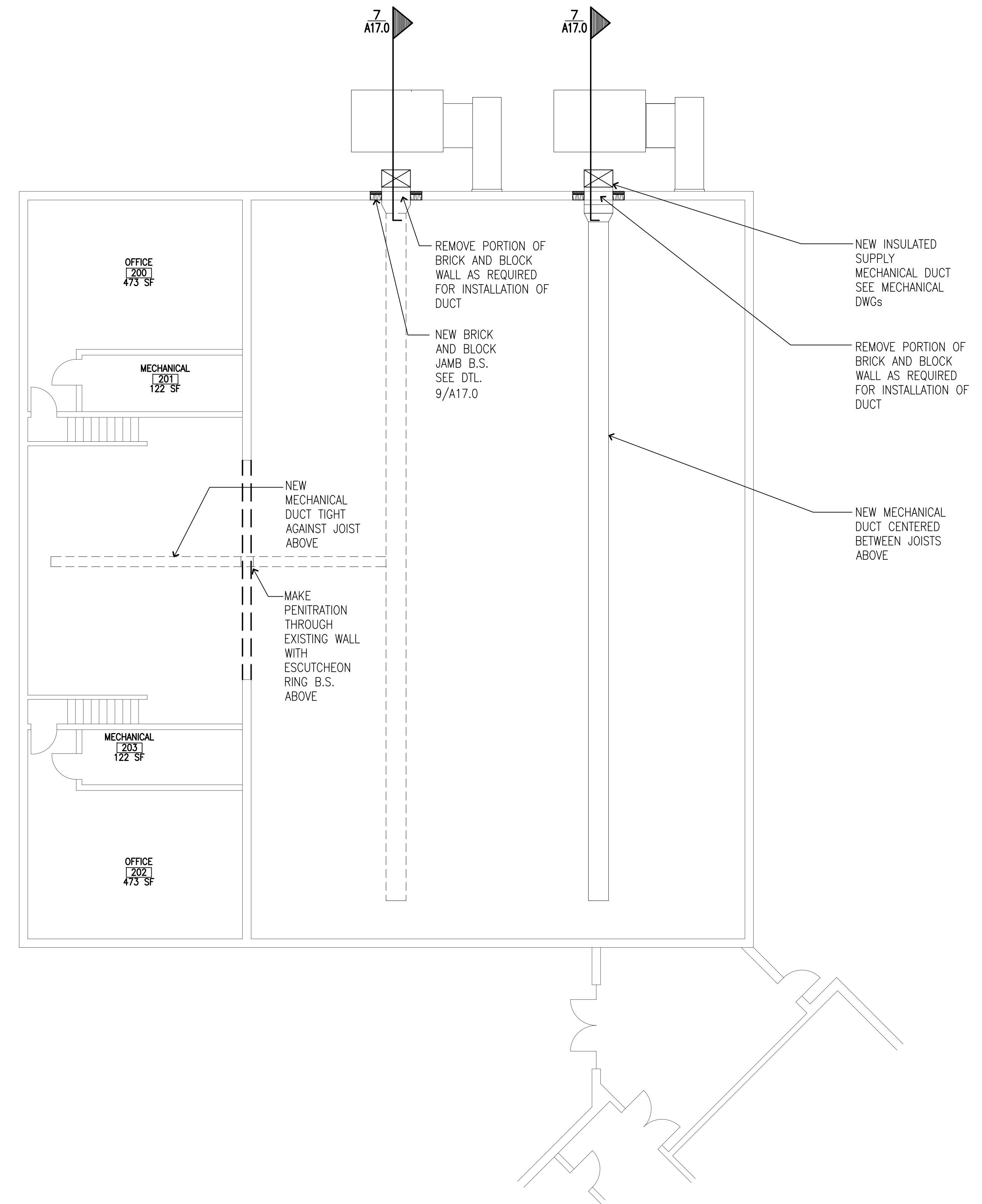
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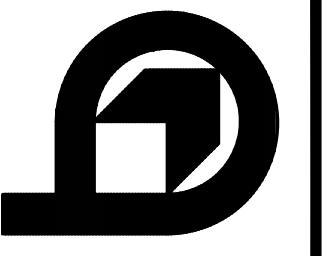
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 UPDATE: FEBRUARY 3, 2017
 FILE: EX 2.0 DWG



PLAN NORTH
 1 FIRST FLOOR PLAN
 1/8"=1'-0"
 FILE: COMP.DWG



PLAN NORTH
 2 SECOND FLOOR PLAN
 1/8"=1'-0"
 FILE: COMP.DWG

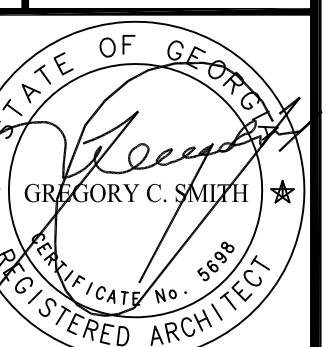


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 PLAN

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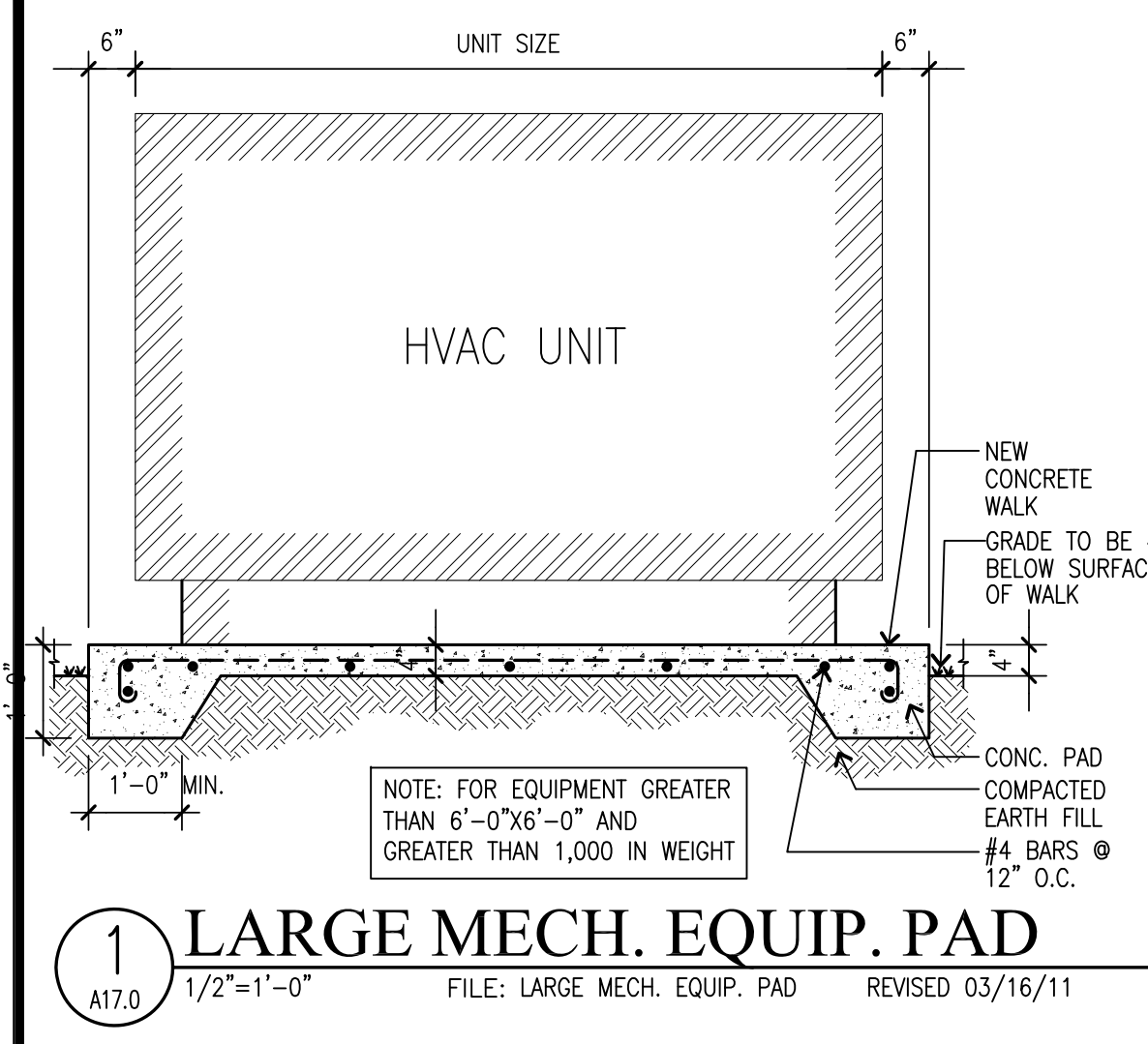


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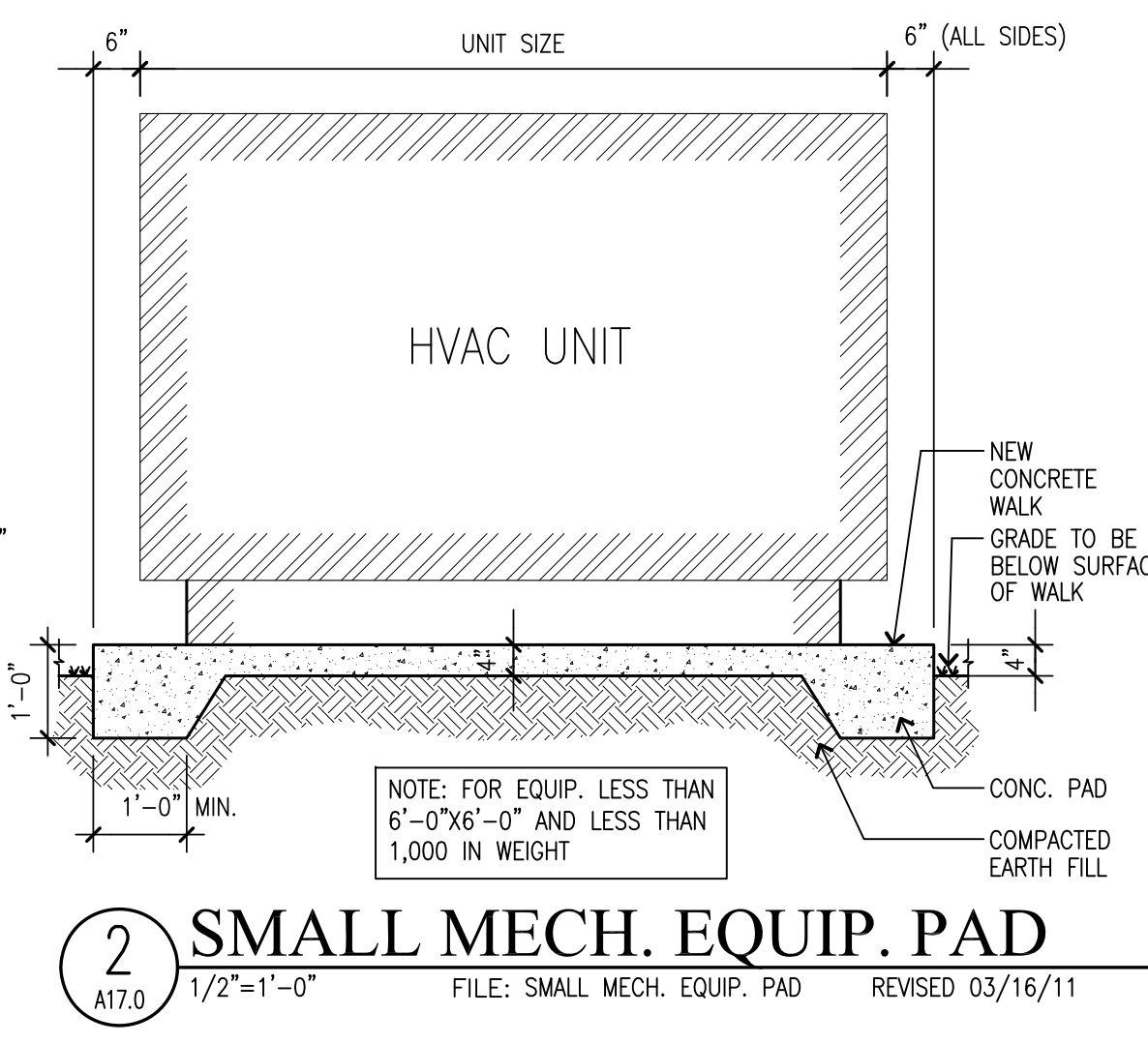
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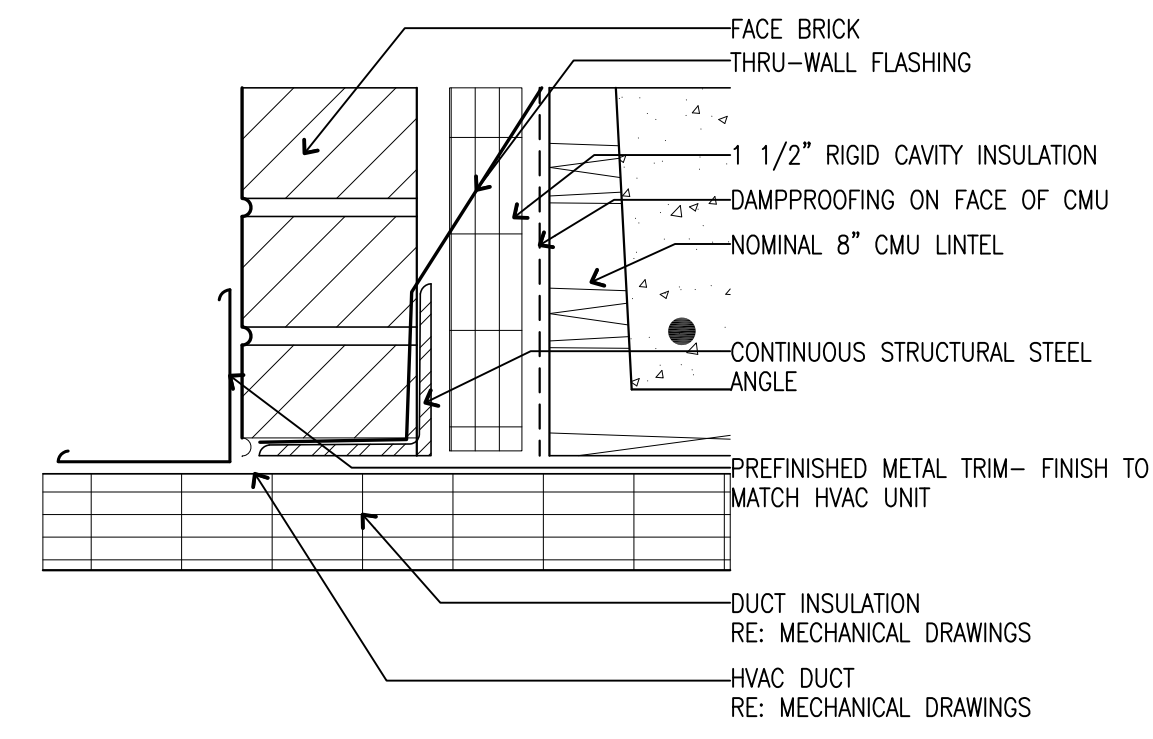
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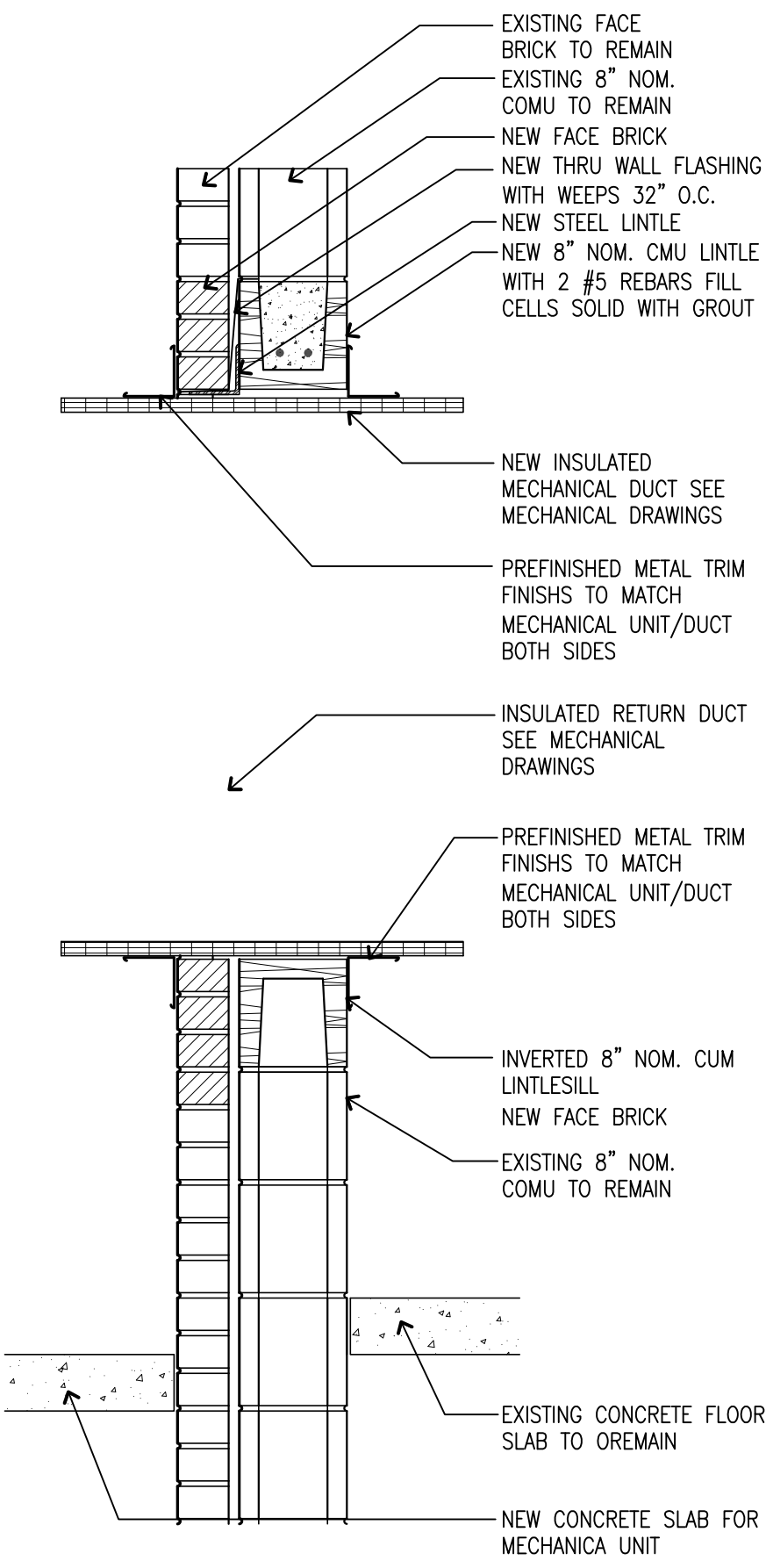
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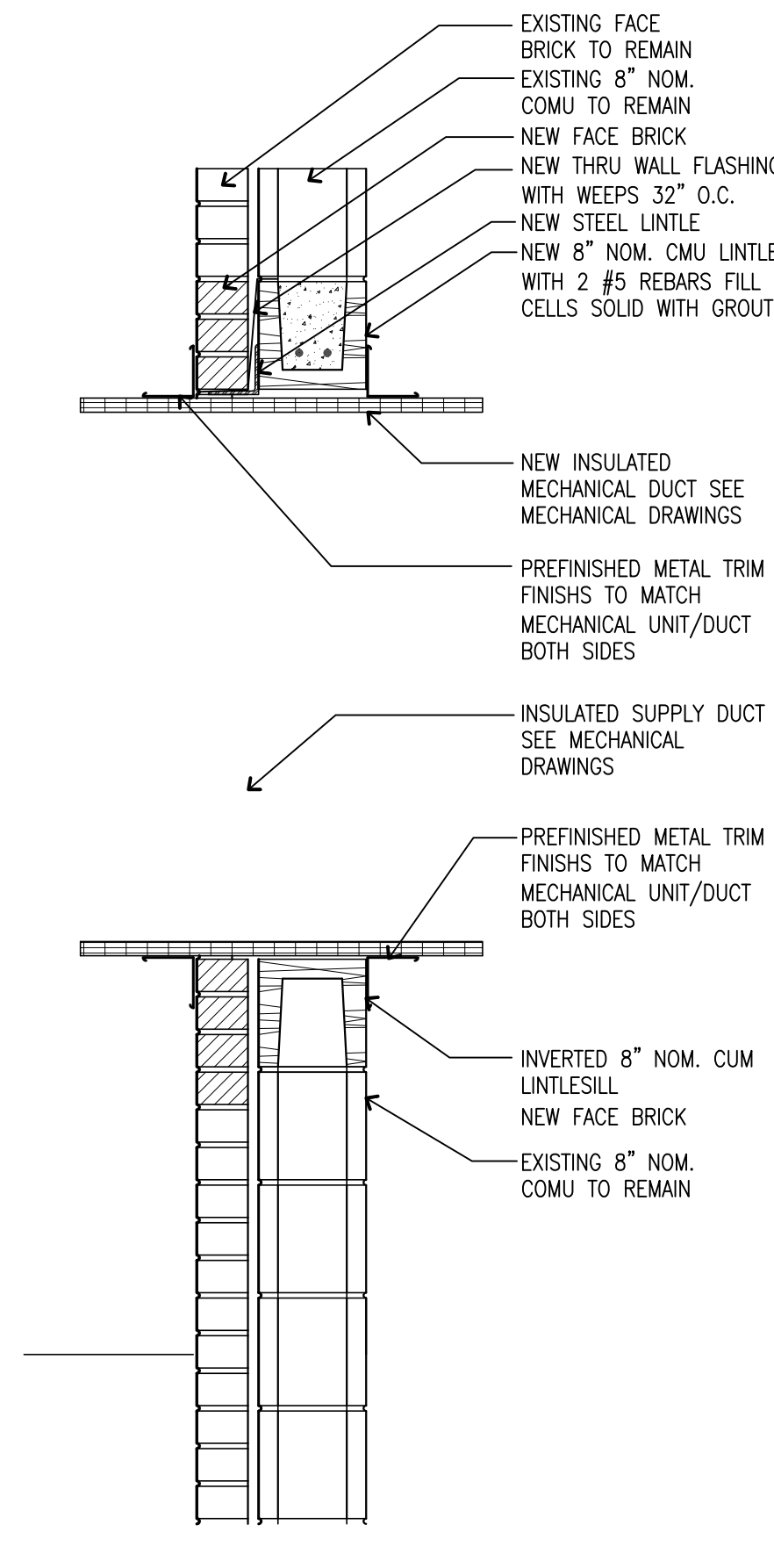
2 SMALL MECH. EQUIP. PAD
 A17.0 1/2"=1'-0" FILE: SMALL MECH. EQUIP. PAD REVISED 03/16/11



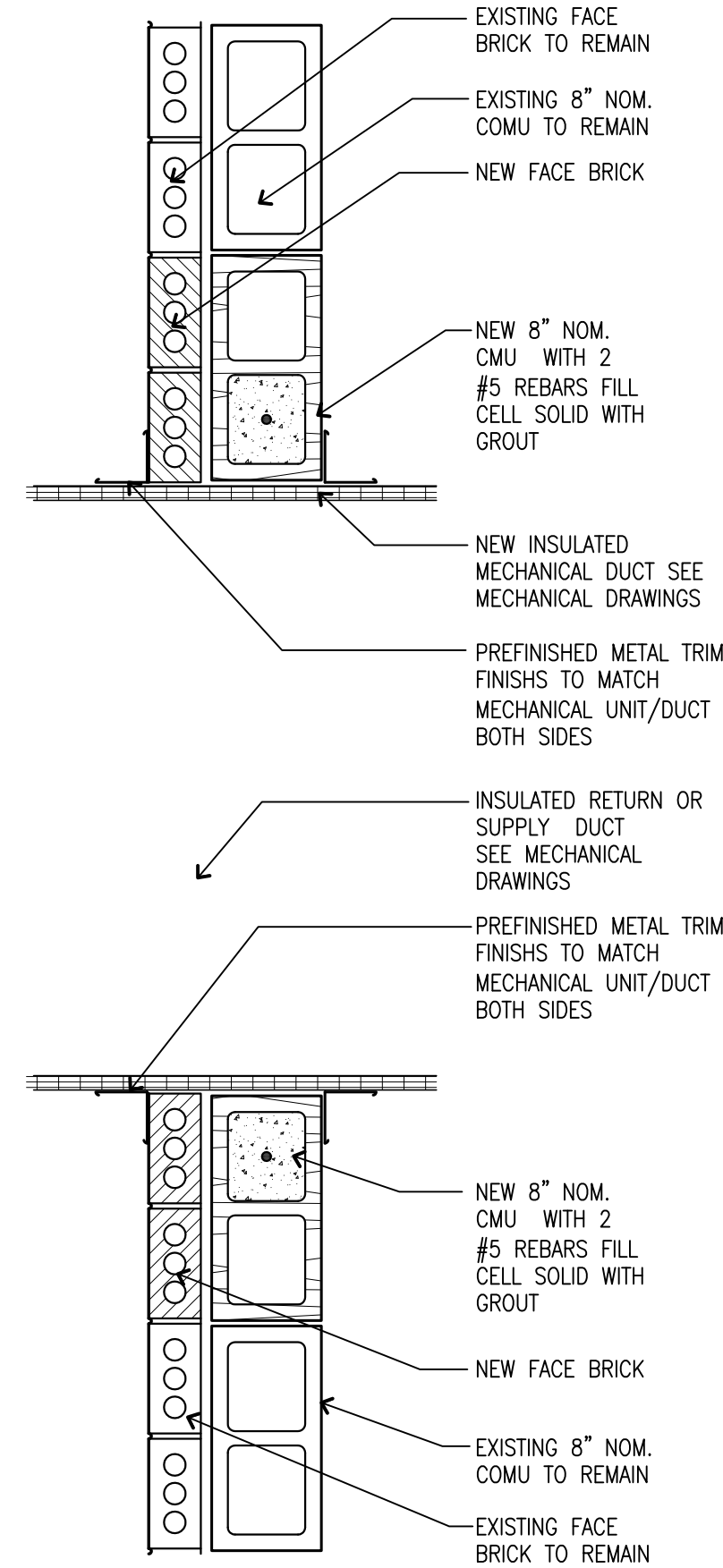
3 TRIM @ DUCT PENETRATION
 A17.0 3"=1'-0" FILE: TRIM AT DUCT PENETRATION REVISED 10/20/14



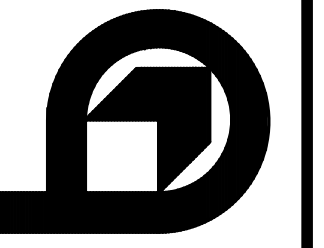
7 SECTION @ RETURN DUCT
 A17.0 1"=1'-0" FILE: SECTION AT RETURN DUCT REVISED 2/9/17



8 SECTION @ SUPPLY DUCT
 A17.0 1"=1'-0" FILE: SECTION AT SUPPLY DUCT REVISED 2/9/17



9 DETAIL @ DUCT PENETRATION
 A17.0 1"=1'-0" FILE: SECTION AT RETURN AIR DUCT REVISED 2/9/17

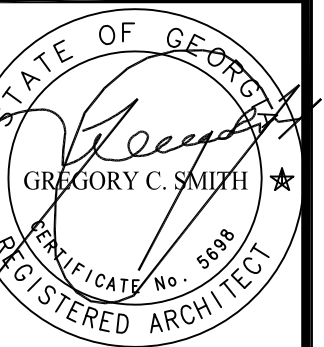


WALKER COUNTY SCHOOLS HVAC MODIFICATIONS
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SHEET TITLE
 HVAC
 DETAILS

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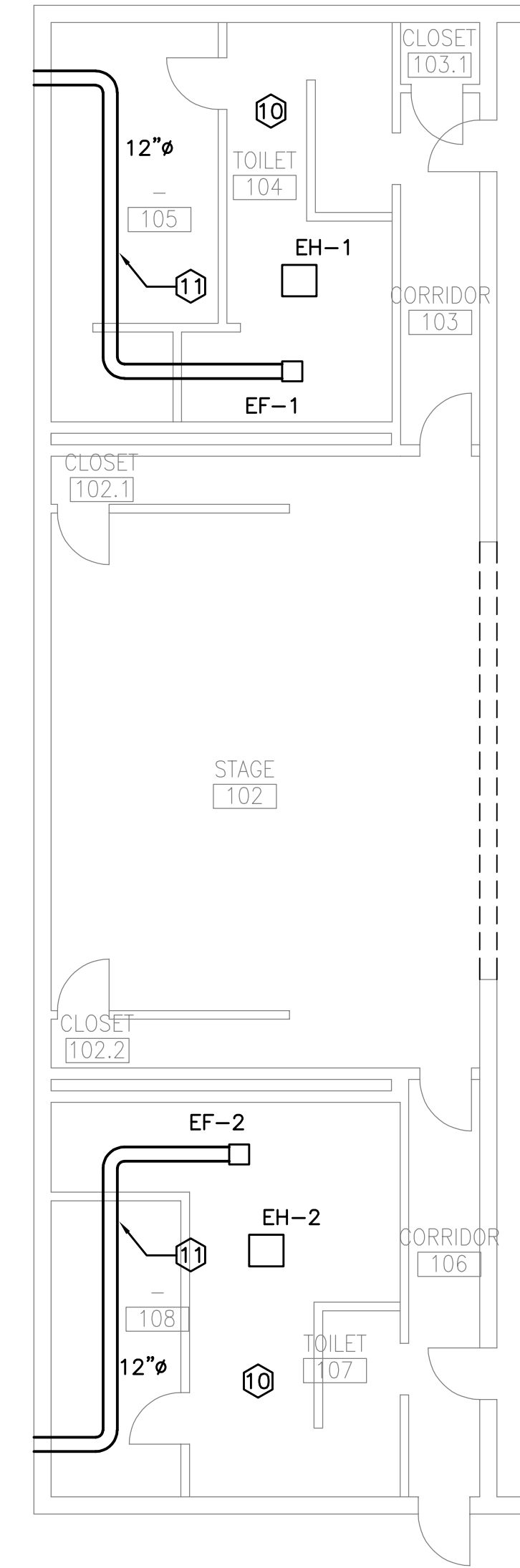
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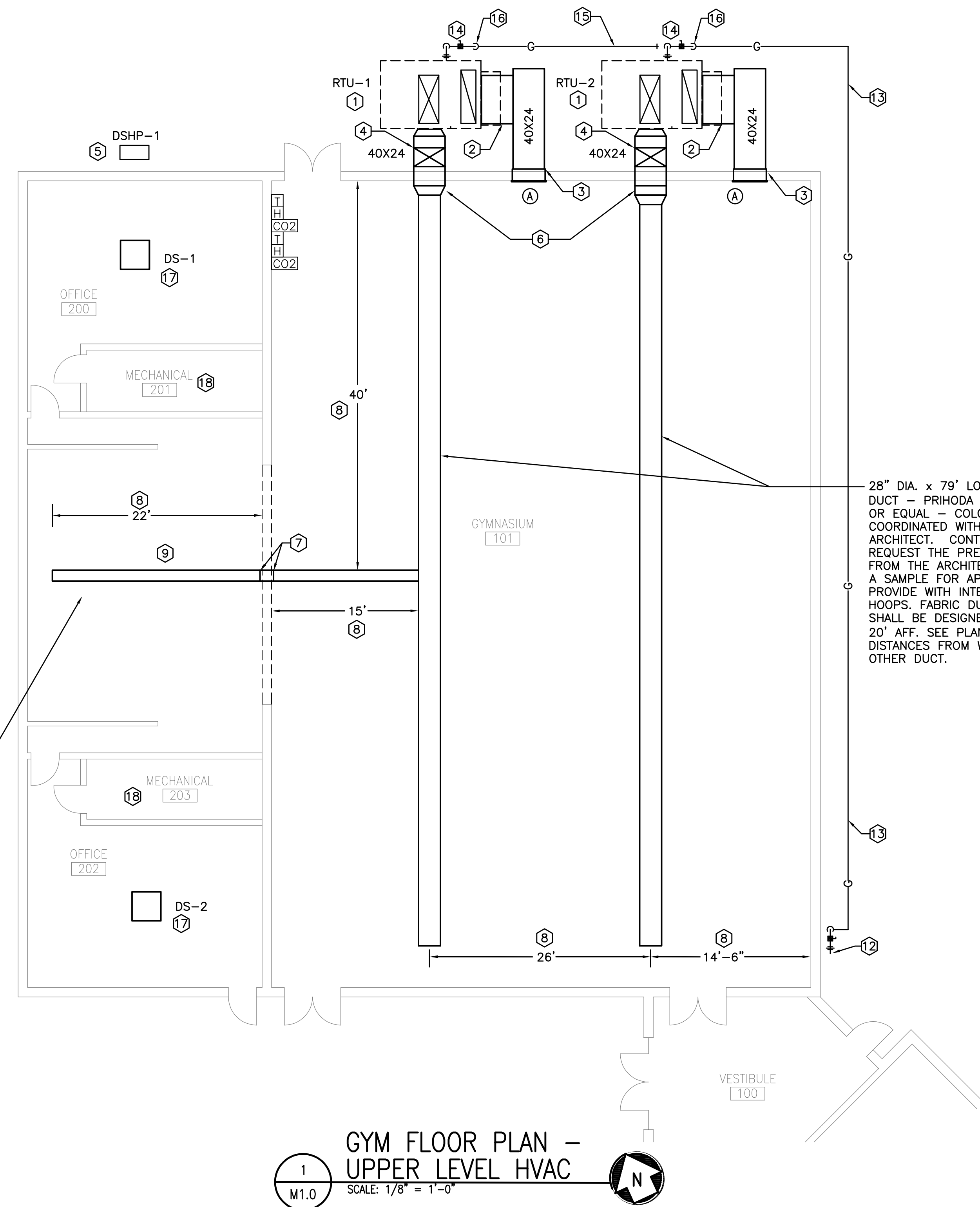
A17.0
 UPDATE: MARCH 1, 2017
 FILE: A17.4.dwg

PLAN NOTES (applies to this sheet only):

1. PAD MOUNTED UNIT ON CURB. REFER TO DETAIL 1/M.1.
2. DUCT FULL SIZE OF RETURN CONNECTION TO 40x24 RETURN DUCT.
3. TYPE "A" RETURN GRILLE MOUNTED IN GYM WALL 2'-0" A.F.F. RETURN DUCT ON BACK OF GRILLE. FULL SIZE OF GRILLE THROUGH WALL AND CONNECTED TO 40x24 RETURN DUCT. FULL LENGTH OF RETURN DUCT SHALL BE INTERNALLY INSULATED. SEAL DUCT AND CONNECTIONS.
4. 40x24 SUPPLY DUCT UP EXTERIOR WALL AND THROUGH WALL. SUPPLY DUCT SHALL BE ROUTED INTO GYM JUST BELOW STRUCTURE. ENTIRE LENGTH OF SUPPLY DUCT SHALL BE INTERNALLY LINED. REFER TO DETAIL 1/M.1.
5. EXTERIOR PAD MOUNTED DUCTLESS SPLIT SYSTEM HEAT PUMP. ROUTE REFRIGERANT PIPING UP WALL AND ABOVE CEILING TO ASSOCIATED DUCTLESS SPLIT FAN COIL.
6. RIGID METAL DUCT TO FABRIC DUCT. SEAL CONNECTION.
7. FABRIC DUCT TO INTERNALLY LINED RIGID DUCT THROUGH WALL. FABRIC DUCT CONNECTED ON BOTH SIDES OF STAGE WALL. SEAL CONNECTION. FABRIC DUCT BRANCH FROM MAIN DUCT TO WALL OF STAGE SHALL BE SOLID FABRIC WITH NO AIR OUTLETS. ALL AIR FROM BRANCH DUCT SHALL BE DISTRIBUTED OVER STAGE.
8. DIMENSIONS SHOWN ONLY FOR FABRIC DUCT SYSTEM DESIGN. ACTUAL PLACEMENT OF DUCT SHALL BE COORDINATE IN FIELD WITH EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO LIGHTING, STRUCTURE, ELECTRICAL AND OTHER DISCIPLINES. EXISTING LIGHTING SHALL NOT BE BLOCKED BY NEW DUCT.
9. EXISTING ROOF MOUNTED UNIT AND ALL ASSOCIATED CONTROLS, DUCT, AIR DEVICES AND ACCESSORIES SHALL BE DEMOLISHED AND DISCARDED OFF-SITE. EXISTING CURB SHALL BE CAPPED WITH INSULATED CAP AND SEALED.
10. EXISTING RESTROOM EXHAUST FAN AND ALL ASSOCIATED CONTROLS, DUCT, AND ACCESSORIES SHALL BE DEMOLISHED AND DISCARDED OFF-SITE.
11. NEW EXHAUST FAN IN EXISTING RESTROOM. ROUTE NEW EXHAUST DUCT TO NEW WALL CAP. CONNECT AND SEAL.
12. CONNECT NEW 2" GAS PIPE TO EXISTING GAS METER. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL MODIFICATIONS TO THE EXISTING GAS METER WITH THE UTILITY SERVICE PROVIDER. METER AND INCOMING SERVICE SHALL BE MODIFIED AS REQUIRED FOR THE INCREASED GAS USAGE INDICATED ON THE DRAWINGS. ALL CHARGES BY THE UTILITY SERVICE PROVIDER WILL BE PAID BY THE OWNER. CONTRACTOR SHALL COMPILE SCOPE OF WORK FROM THE UTILITY SERVICE PROVIDER, WITH ASSOCIATED CHARGES, FOR APPROVAL BY THE OWNER PRIOR TO THE BEGINNING OF METER MODIFICATIONS. CONTRACTOR SHALL VERIFY EXISTING CONNECTED LOAD.
13. NEW 2" PE PIPE (POLYETHYLENE) GAS PIPE SHALL BE ROUTED 18" BELOW GRADE. REMOVE EXISTING SHRUBBERY AS NEEDED FOR INSTALLATION. ALL UNDERGROUND PIPE SHALL HAVE #10 CONTINUOUS TRACER WIRE ATTACHED TO TOP OF PIPE WITH THE WRAPS MAX. 6'-0" OC TO EXTEND 0'-6" ABOVE GRADE AT BOTH ENDS. INSTALL TRANSITION COUPLING AT GRADE FOR DISSIMILAR MATERIALS. CONTRACTOR SHALL COORDINATE LOCATION OF EXISTING UTILITIES AND EXISTING CONDITIONS WHERE NEW GAS PIPE SHALL BE INSTALLED.
14. TYPICAL GAS CONNECTION AT RTU. SEE DETAIL 13/M.1.1.
15. NEW 1-1/2" PE PIPE (POLYETHYLENE) GAS PIPE SHALL BE ROUTED 18" BELOW GRADE. REMOVE EXISTING SHRUBBERY AS NEEDED FOR INSTALLATION. ALL UNDERGROUND PIPE SHALL HAVE #10 CONTINUOUS TRACER WIRE ATTACHED TO TOP OF PIPE WITH THE WRAPS MAX. 6'-0" OC TO EXTEND 0'-6" ABOVE GRADE AT BOTH ENDS. INSTALL TRANSITION COUPLING AT GRADE FOR DISSIMILAR MATERIALS. CONTRACTOR SHALL COORDINATE LOCATION OF EXISTING UTILITIES AND EXISTING CONDITIONS WHERE NEW GAS PIPE SHALL BE INSTALLED.
16. NEW 1-1/2" GAS PIPE UP FROM BELOW GRADE.
17. PROVIDE 4" O/A DUCT UP TO ROOF MOUNTED HOOD BALANCED TO O/A CFM ON SCHEDULE. REFER TO DETAIL 15/M.1.1. ROUTE CONDENSATE DRAIN UP THROUGH ROOF MOUNTED CURB. REFER TO DETAIL 14/M.1.1. USE EXISTING ROOF OPENING IN ADJACENT MECHANICAL CLOSET FOR O/A OR CONDENSATE. REFER TO NOTE 18.
18. CONTRACTOR SHALL DEMOLISH AND DISCARD OFF-SITE EXISTING GAS FIRED DUCT FURNACE IN MECHANICAL CLOSET. ASSOCIATED EXISTING DUCT SHALL BE DEMOLISHED AND DISCARDED OFF-SITE. DUCT SHALL BE DEMOLISHED IN ROOM TO WALL. EXISTING DUCT SHALL BE CAPPED AND SEALED AT WALL. EXISTING DUCT IN WALL SHALL BE ABANDONED IN PLACE. EXISTING GRILLES IN RESTROOM SHALL BE DEMOLISHED AND DISCARDED OFF-SITE. EXISTING OPENING SHALL BE PATCHED AND PAINTED TO MATCH EXISTING ADJACENT SURFACES. EXISTING GAS PIPING TO EXISTING DUCT FURNACE SHALL BE CAPPED AND SEALED. EXISTING FLUE THROUGH ROOF AND ROOF VENT CAP SHALL BE DEMOLISHED AND DISCARDED OFF-SITE. EXISTING OPENING IN ROOF SHALL BE REUSED FOR DUCTLESS SPLIT O/A AIR INTAKE OR CONDENSATE PIPING.



GYM FLOOR PLAN - LOWER LEVEL HVAC
 SCALE: 1/8" = 1'-0"



GYM FLOOR PLAN - UPPER LEVEL HVAC
 SCALE: 1/8" = 1'-0"

| ELECTRIC HEATER SCHEDULE | | | | | |
|--------------------------|-----|-----|----------|-----------------|-------|
| MARK | KW | CFM | LOCATION | BASIS OF DESIGN | NOTES |
| EH-1 | 2.0 | 425 | TOILET | MARKEL 3480 | 1 |
| EH-2 | 2.0 | 425 | TOILET | MARKEL 3480 | 1 |

NOTES:
 1. WITH INTEGRAL THERMOSTAT - INTERLOCK WITH BUILDING AUTOMATION SYSTEM

| DUCTLESS SPLIT SYSTEM SCHEDULE | | | | | | | | | | | |
|--------------------------------|-----|---------|----------|---------|------|----------|---------|------|---|---------|--------|
| MARK | CFM | O/A CFM | COOLING | | | HEATING | | | BASIS OF DESIGN "MITSUBISHI" INDOOR/OUTDOOR MODEL | NOTES | SERVES |
| | | | EATdb/wb | TOT.MBH | SEER | EATdb/wb | TOT.MBH | HSPF | | | |
| DS-1/DSHP-1 | 640 | 25 | 80/67 | 24.0 | 13.6 | 70 | 16.0 | 8.5 | PLA-A24BA4 / PUZ-A24NHA4 | 1,2,3,4 | OFFICE |
| DS-2/DSHP-2 | 640 | 25 | 80/67 | 24.0 | 13.6 | 70 | 16.0 | 8.5 | PLA-A24BA4 / PUZ-A24NHA4 | 1,2,3,4 | OFFICE |

NOTES:
 1. CONDENSING UNIT MOUNTED ON GRADE ON CONCRETE PAD.
 2. COOLING CAP. BASED ON 95°F/75°F AMBIENT, HEATING CAP. BASED ON 17°F/15°F AMBIENT.
 3. WITH REMOTELY WALL MOUNTED HARD WIRED THERMOSTAT.
 4. PROVIDE WITH INTEGRAL CONDENSATE PUMP. ROUTE CONDENSATE TO ROOF.

| ROOF MOUNTED AIR CONDITIONING UNIT SCHEDULE | | | | | | | | | | | | |
|---|------|----------|------------|----------------|----------|---------|---------|---------------|-----------|---------------------------|---------|-------------------|
| MARK | CFM | O.A. CFM | ESP (W.G.) | EVAP. FAN H.P. | COOLING | | | HEATING (MBH) | | BASIS OF DESIGN "CARRIER" | NOTES | |
| | | | | | EATdb/wb | TOT.MBH | SEN.MBH | SEER/EER | GAS INPUT | | | OUTPUT |
| RTU-1 | 6000 | 800 | 1.0" | 4.0 | 80/67 | 183.4 | 138.5 | (11.5) | 310 | 251 | 48HC017 | 1,2,3,4,5,6,7,8,9 |
| RTU-2 | 6000 | 800 | 1.0" | 4.0 | 80/67 | 183.4 | 138.5 | (11.5) | 310 | 251 | 48HC017 | 1,2,3,4,5,6,7,8,9 |

NOTES:
 1. INSTALL SMOKE DETECTOR IN SUPPLY DUCT AT UNIT - WIRE TO UNIT FOR AUTOMATIC SHUTDOWN PER NFPA CODE 90A.
 2. COOLING CAPACITIES BASED ON A.H.R.I. STANDARD CONDITIONS - COOLING CAPACITIES ARE BASED ON 95°F OUTDOOR TEMPERATURE AND 80°Fdb/67°Fwb RETURN.
 3. DE-HUMIDIFICATION CYCLE SHALL BE INCLUDED W/ UNIT (HOT GAS REHEAT)
 4. UNIT SHALL BE PROVIDED WITH A MINIMUM OF 2 STAGES OF COOLING AND MULTI-SPEED FAN.
 5. UNIT SHALL BE PAD MOUNTED ON A CURB.
 6. PROVIDE WITH SOFT START FAN.
 7. PROVIDE WITH IONIZATION UNIT POWERED FROM UNITS CONTROL TRANSFORMER. REFER TO SPECIFICATION.
 8. PROVIDE WITH DEMAND CONTROL VENTILATION.
 9. ROUTE CONDENSATE TO FRENCH DRAIN. REFER TO DETAIL.

| AIR DISTRIBUTION SCHEDULE | | | | | | | |
|---------------------------|--------|----------------|---------|--------|--------|-----------------|-------|
| MARK | TYPE | SIZE IN INCHES | | FINISH | O.B.D. | BASIS OF DESIGN | NOTES |
| | | NECK | FACE | | | | |
| A | RETURN | 42 x 42 | 44 x 44 | WHITE | NO | TITUS 33RL | 1 |

NOTE:
 1. SIDEWALL GRILLE INSTALLED 2'-0" A.F.F.

| FAN SCHEDULE | | | | | | | | |
|--------------|-----|---------|--------|--------|---------|-------------------------------------|---------|-------|
| MARK | CFM | S.P. WG | DRIVE | HP (W) | TYPE | BASIS OF DESIGN: GREENHECK (U.N.O.) | SERVICE | NOTES |
| | | | | | | | | |
| EF-2 | 450 | 0.25" | DIRECT | (350W) | CEILING | SP-A700 | TOILET | 1,2,3 |

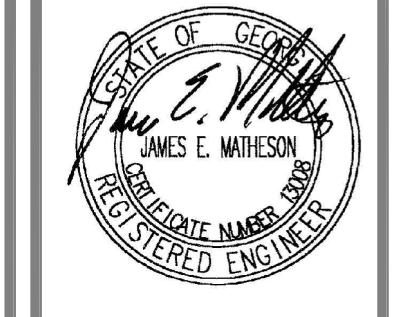
NOTES:
 1. PROVIDE WITH BACKDRAFT DAMPER, NEOPRENE VIBRATION ISOLATION HANGERS, & SPEED CONTROLLER FOR BALANCING.
 2. INTERLOCK CONTROL WITH BUILDING AUTOMATION SYSTEM.
 3. PROVIDE WITH EXTERIOR WALL CAP.

- GENERAL NOTES: - APPLIES TO ALL SHEETS**
1. MINIMUM 10' SEPARATION BETWEEN O.A. INTAKES AND EXHAUST OR PLUMBING VENTS.
 2. COORDINATE THE EXACT LOCATION OF WALL MOUNTED SWITCHES AND SENSORS WITH DIVISION 26.
 3. PROVIDE & INSTALL STEPDOWN TRANSFORMERS AS REQUIRED WHEN 120V IS PROVIDED FOR A 24V DEVICE.
 4. THE BID DOCUMENTS ARE DESIGNED BASED ON THE BASIS OF DESIGN. IF A LISTED "EQUAL" IS USED IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO MAKE ANY REVISIONS AND MODIFICATIONS REQUIRED TO ACCOMMODATE THE "EQUAL" MANUFACTURER AT NO ADDITIONAL COST TO THE OWNER.
 5. ALL EQUIPMENT SHALL BE LABELED PER SPECIFICATION REQUIREMENTS. EQUIPMENT LABELS SHALL INCLUDE UNIT NUMBER AND ROOM NAME & NUMBER OF THE SPACE SERVED. THE ROOM NAMES AND NUMBERS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND ARCHITECT TO VERIFY FINAL ROOM NAMES AND NUMBERS.
 6. COORDINATE ALL HVAC EQUIPMENT ELECTRICAL REQUIREMENTS WITH DIV. 26.
 7. ALL EXISTING EQUIPMENT AND SYSTEMS NOT IN THIS CONTRACT SHALL BE PROTECTED DURING THIS WORK AND IN GOOD WORKING ORDER AT PROJECT COMPLETION.
 8. ALL ROOF MOUNTED DEVICES SHALL BE MIN. 10'-0" FROM EDGE OF ROOF.

| DRAWING LEGEND | | | |
|----------------|--------------------------|--------|--------------------------|
| SYMBOL | DEFINITION | SYMBOL | DEFINITION |
| ☒ | SUPPLY AIR DIFFUSER | EF- | EXHAUST FAN |
| U.N.O. | UNLESS NOTED OTHERWISE | EH- | ELECTRIC HEATER |
| ☒ | RETURN AIR GRILLE | RTU- | ROOFTOP UNIT |
| DS- | DUCTLESS SPLIT FAN COIL | A.F.F. | ABOVE FINISHED FLOOR |
| DSHP- | DUCTLESS SPLIT HEAT PUMP | Ⓛ | KEY NOTE |
| Ⓛ | THERMOSTAT | Ⓛ | AIR DEVICE |
| Ⓛ | HUMIDITY SENSOR | CO2 | CARBON DIOXIDE SENSOR |
| Ⓛ | | Ⓛ | SPIN-IN W/ VOLUME DAMPER |

SHEET TITLE
 OVERALL FLOOR PLAN AND SCHEDULES

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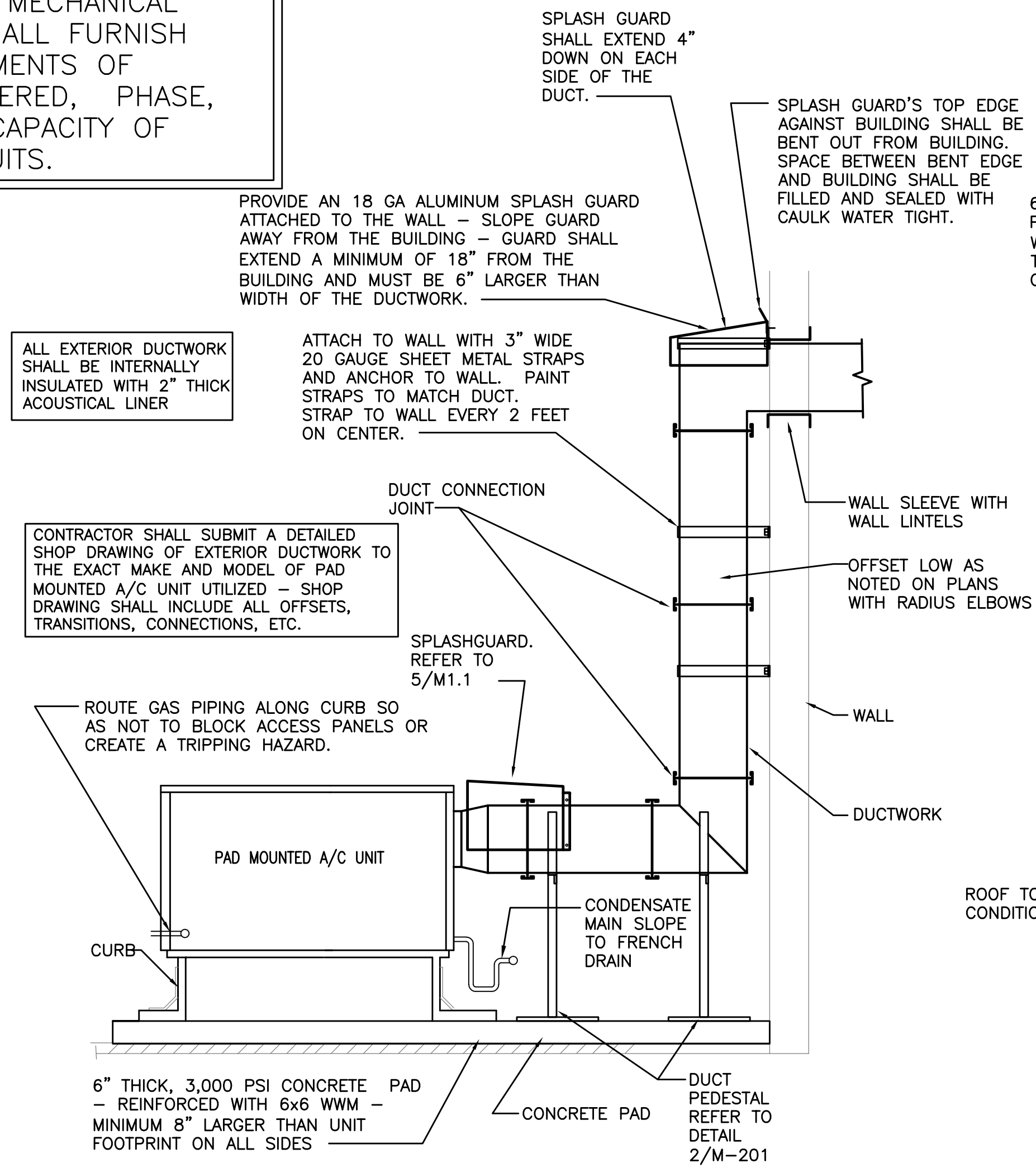


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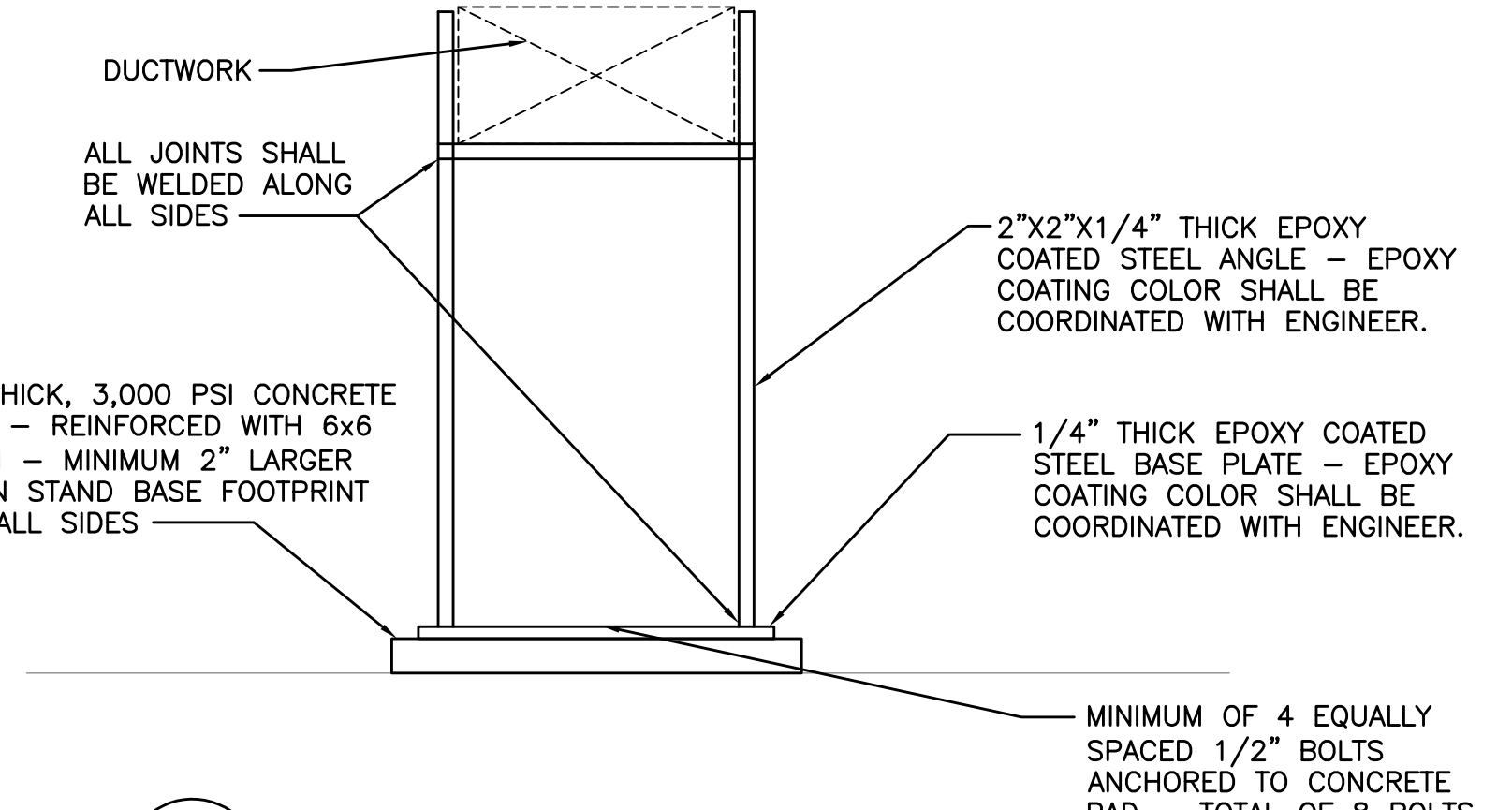
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 DESIGNED BY
 RSB
 CHECKED BY
 JEM
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 PROJECT NO.

M1.0
 UPDATE:
 FILE:

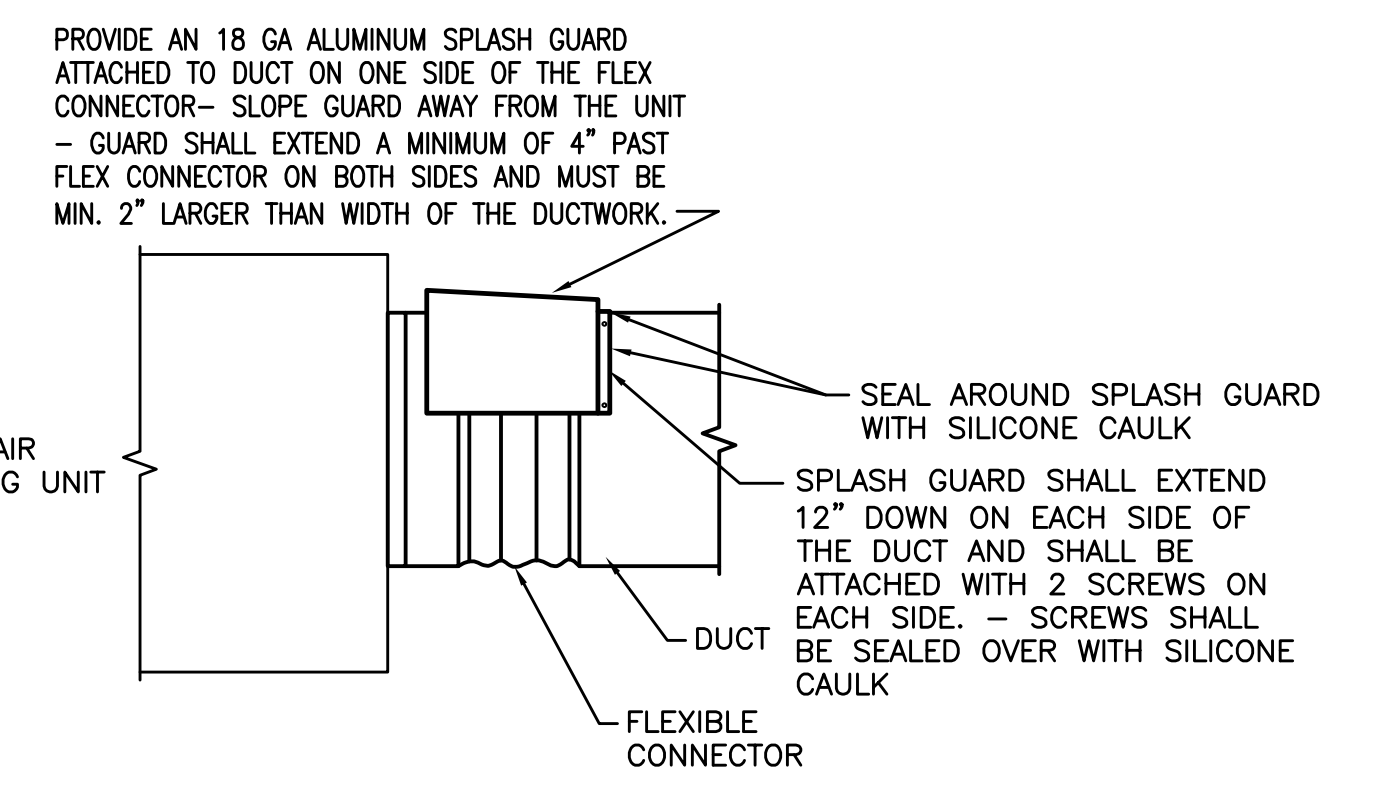
MECHANICAL CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR AT THE START OF THE PROJECT. MECHANICAL CONTRACTOR SHALL FURNISH EXACT REQUIREMENTS OF EQUIPMENT ORDERED, PHASE, VOLTAGE, AND CAPACITY OF REQUIRED CIRCUITS.



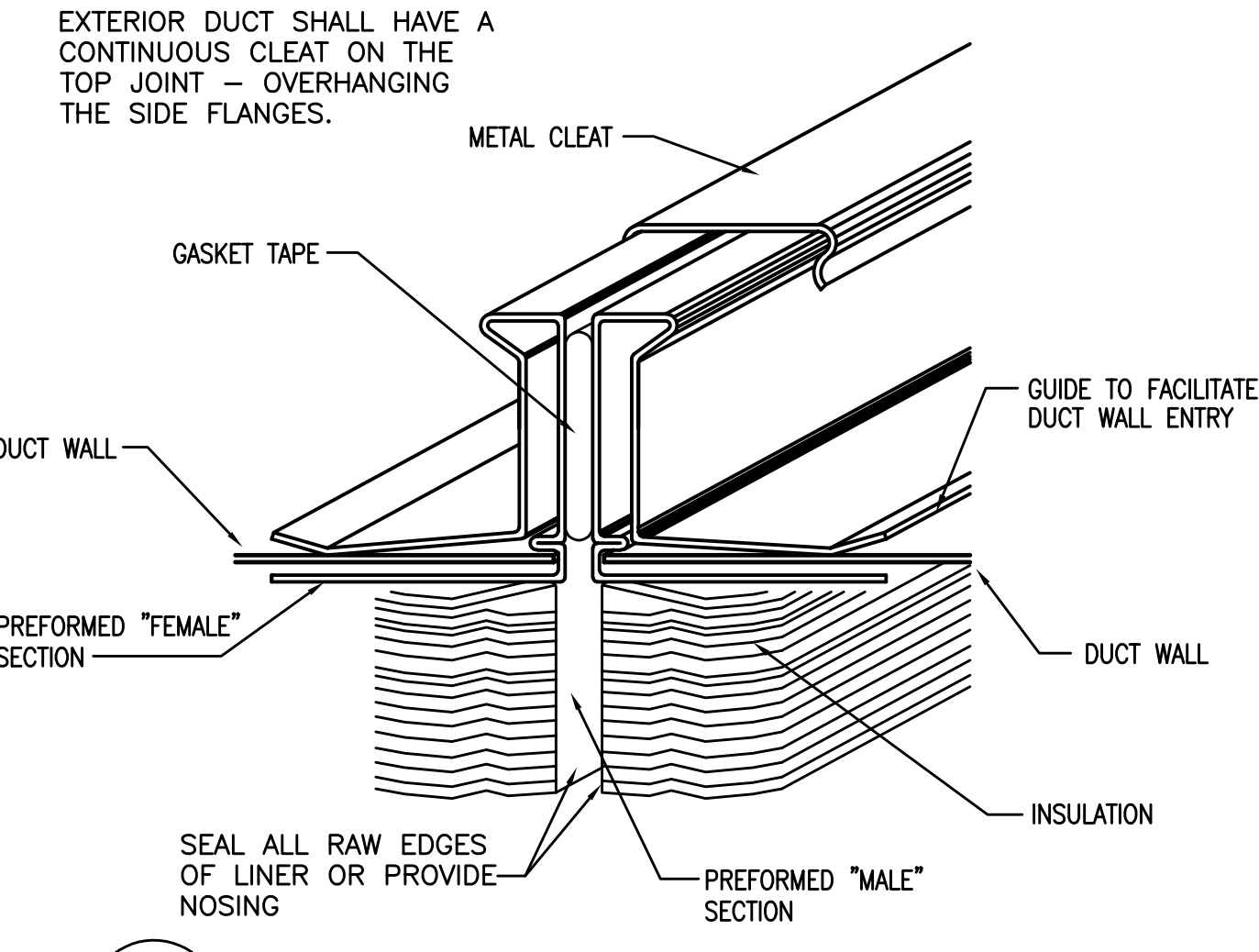
1 PAD MOUNTED A/C UNIT INSTALLATION DETAIL
M1.1 SCALE: NONE



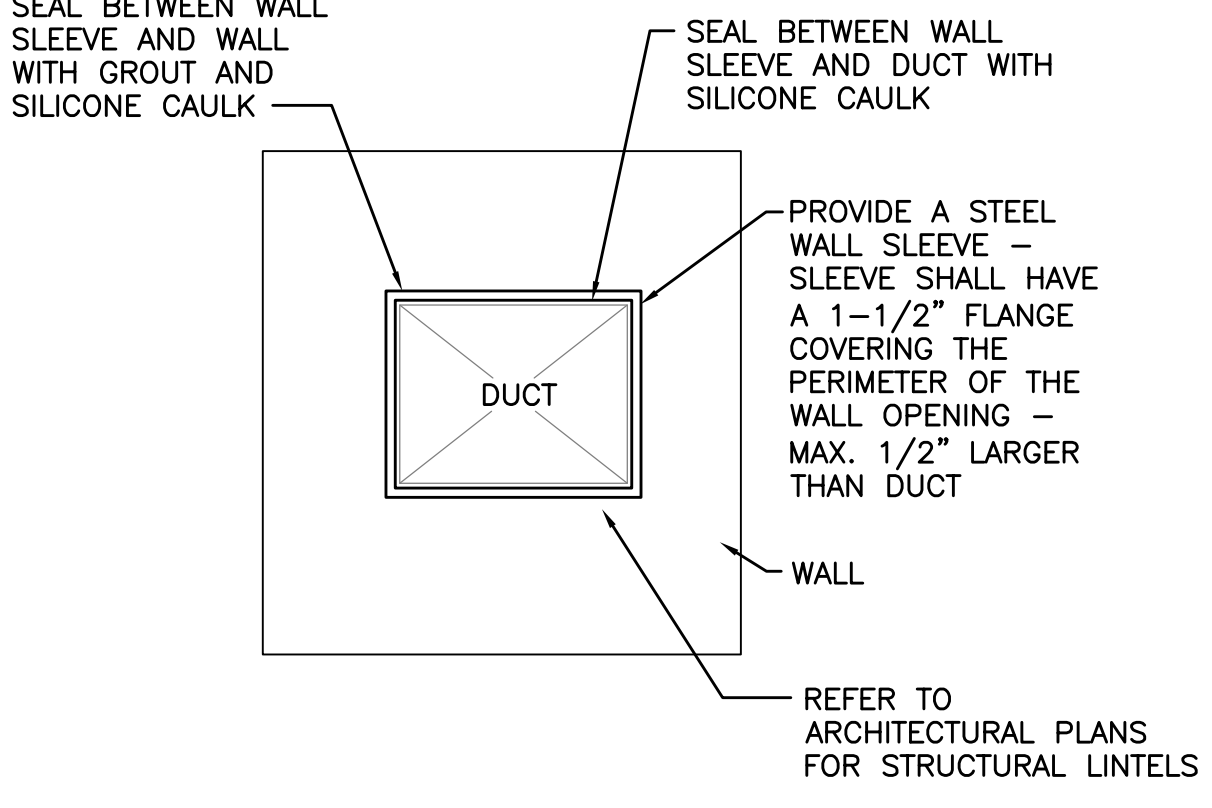
2 DUCT MOUNTING PEDESTAL DETAIL
M1.1 SCALE: NOT TO SCALE



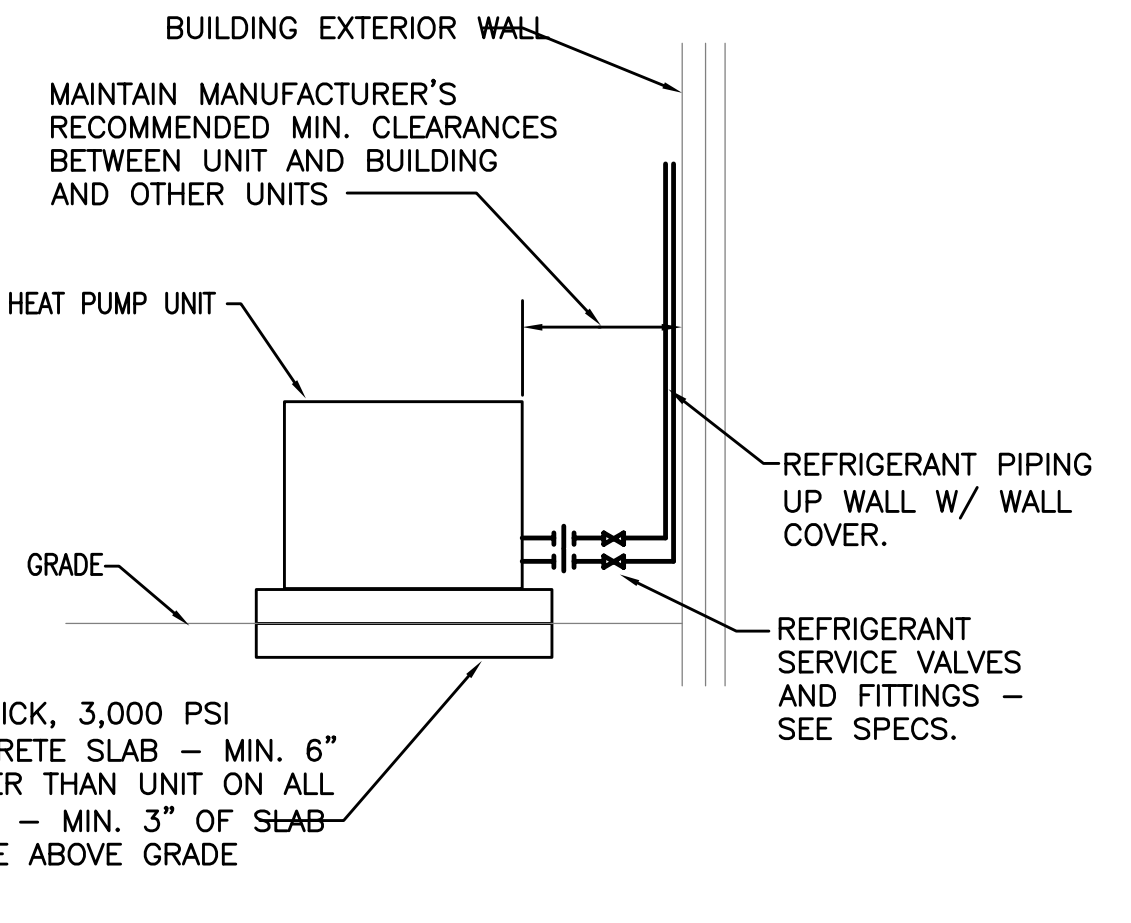
5 FLEXIBLE CONNECTOR SPLASH GUARD DETAIL
M1.1 SCALE: NOT TO SCALE



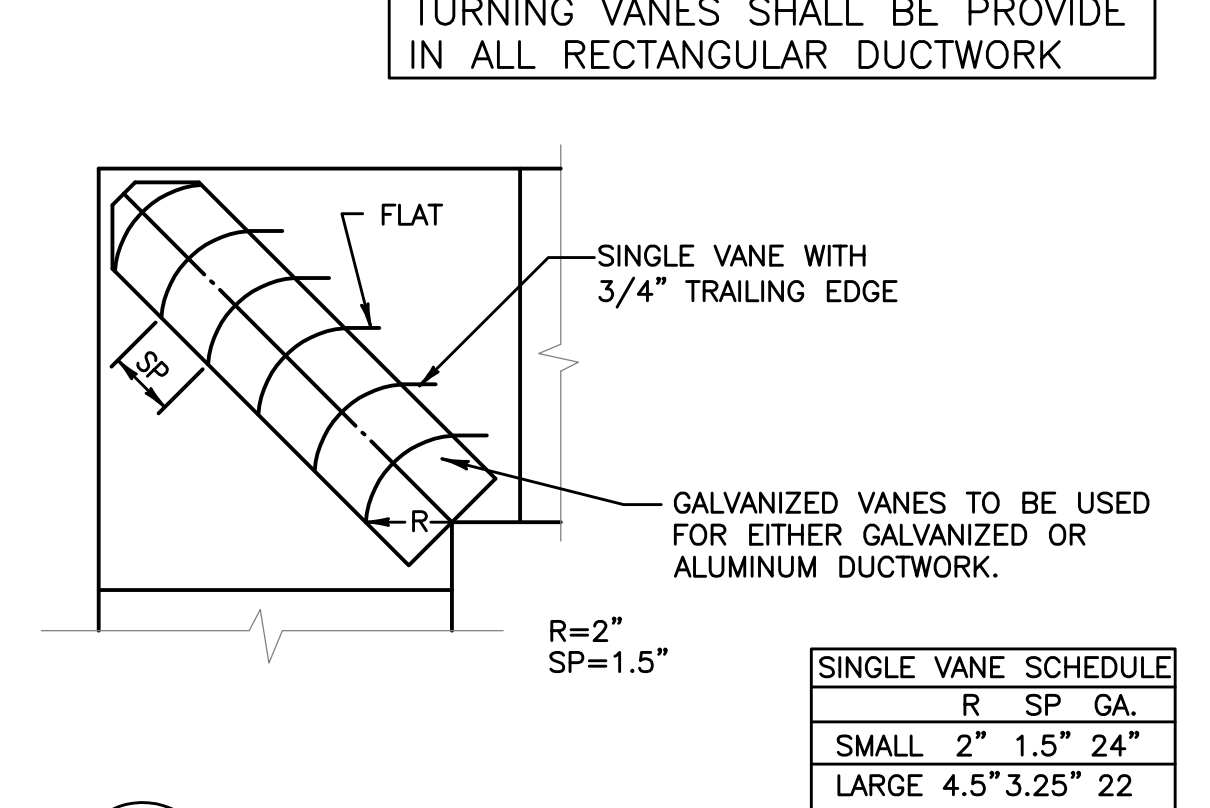
3 TRANSVERSE DUCT CONNECTION CROSS SECTION DETAIL
M1.1 SCALE: NOT TO SCALE



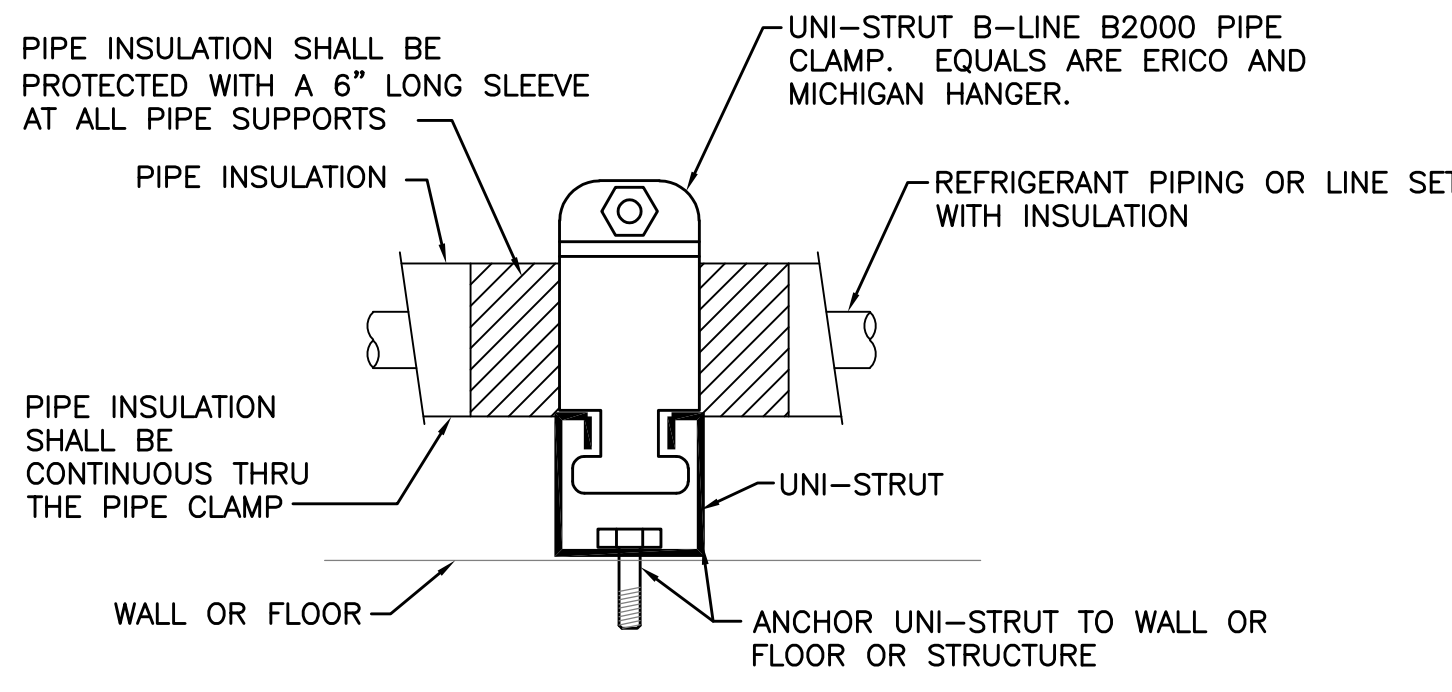
4 DUCT WALL PENETRATION DETAIL
M1.1 SCALE: NOT TO SCALE



6 OUTDOOR HEAT PUMP/CONDENSING UNIT DETAIL
M1.1 NOT TO SCALE

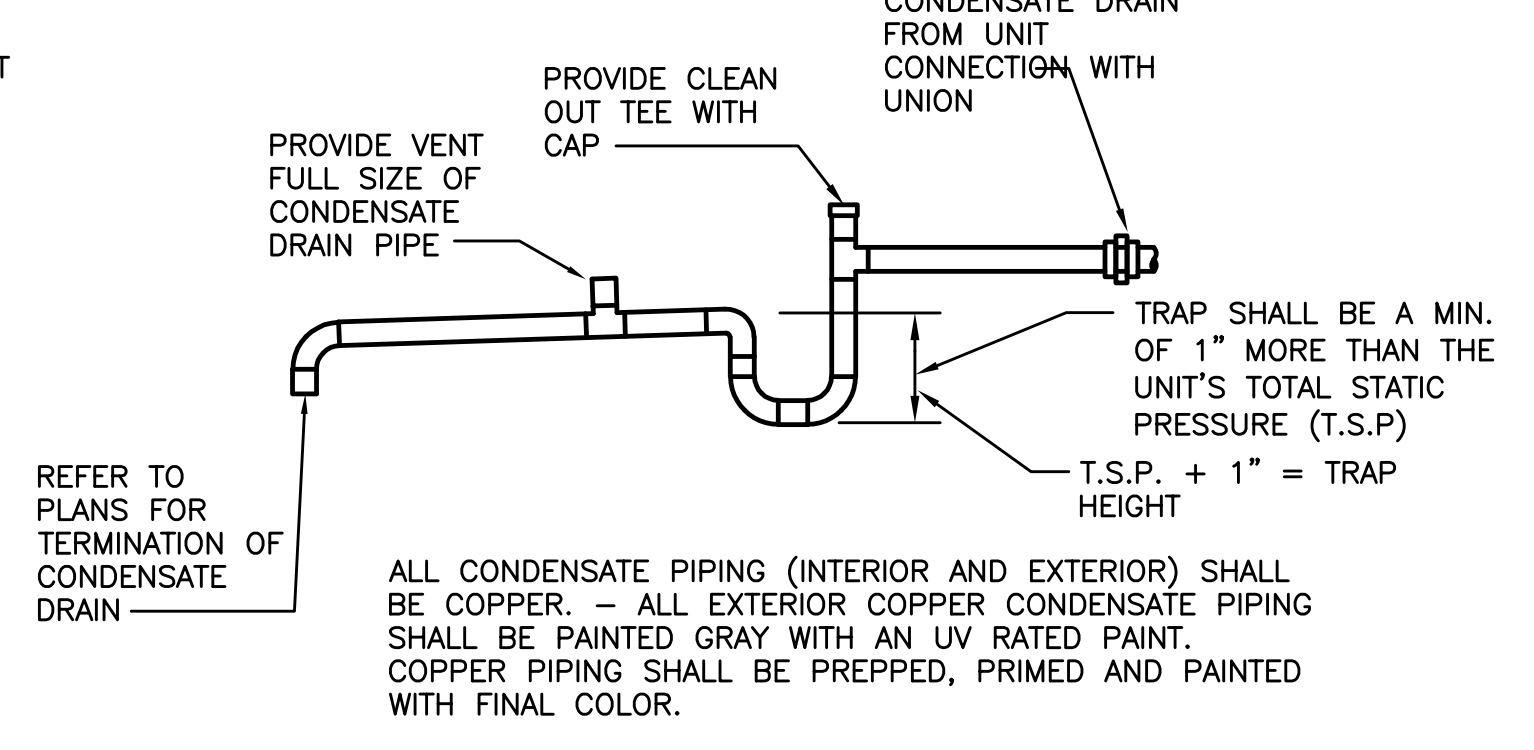


7 SQUARE ELBOW WITH TURNING VANES
M1.1 SCALE: NONE

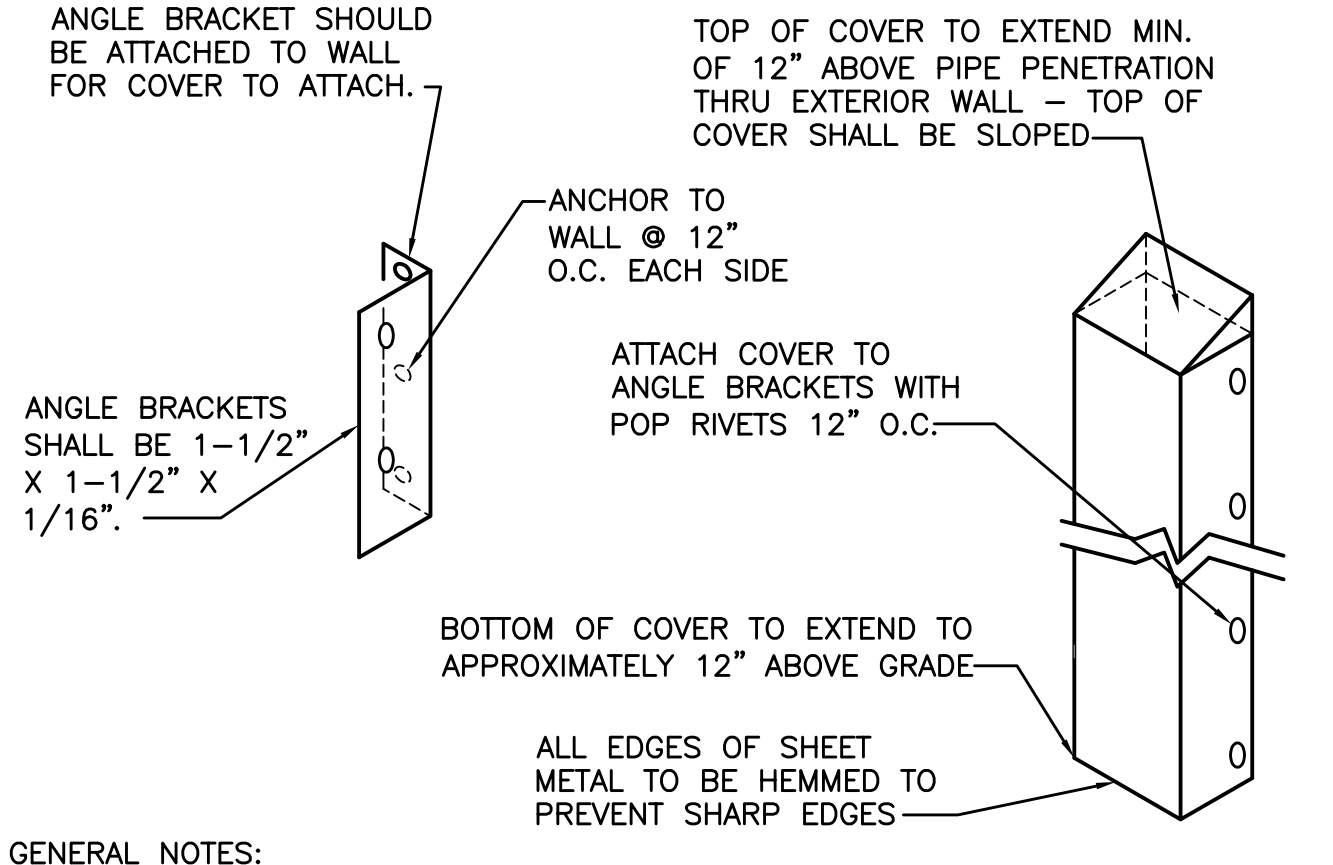


GENERAL NOTES:
PIPE SLEEVES AT PIPE CLAMPS SHALL BE CONSTRUCTED OF 20 GA ALUMINUM.
REFRIGERANT PIPE AND LINE SET PIPE WITHOUT INSULATION DO NOT REQUIRE ALUMINUM SLEEVE, BUT SHALL BE SUPPORTED IN A SIMILAR FASHION WITH A B1989 CUSHION PIPE CLAMP BY B-LINE. EQUALS ARE ERICO AND MICHIGAN HANGER.

8 REFRIGERANT PIPING SUPPORT DETAIL
M1.1 NOT TO SCALE

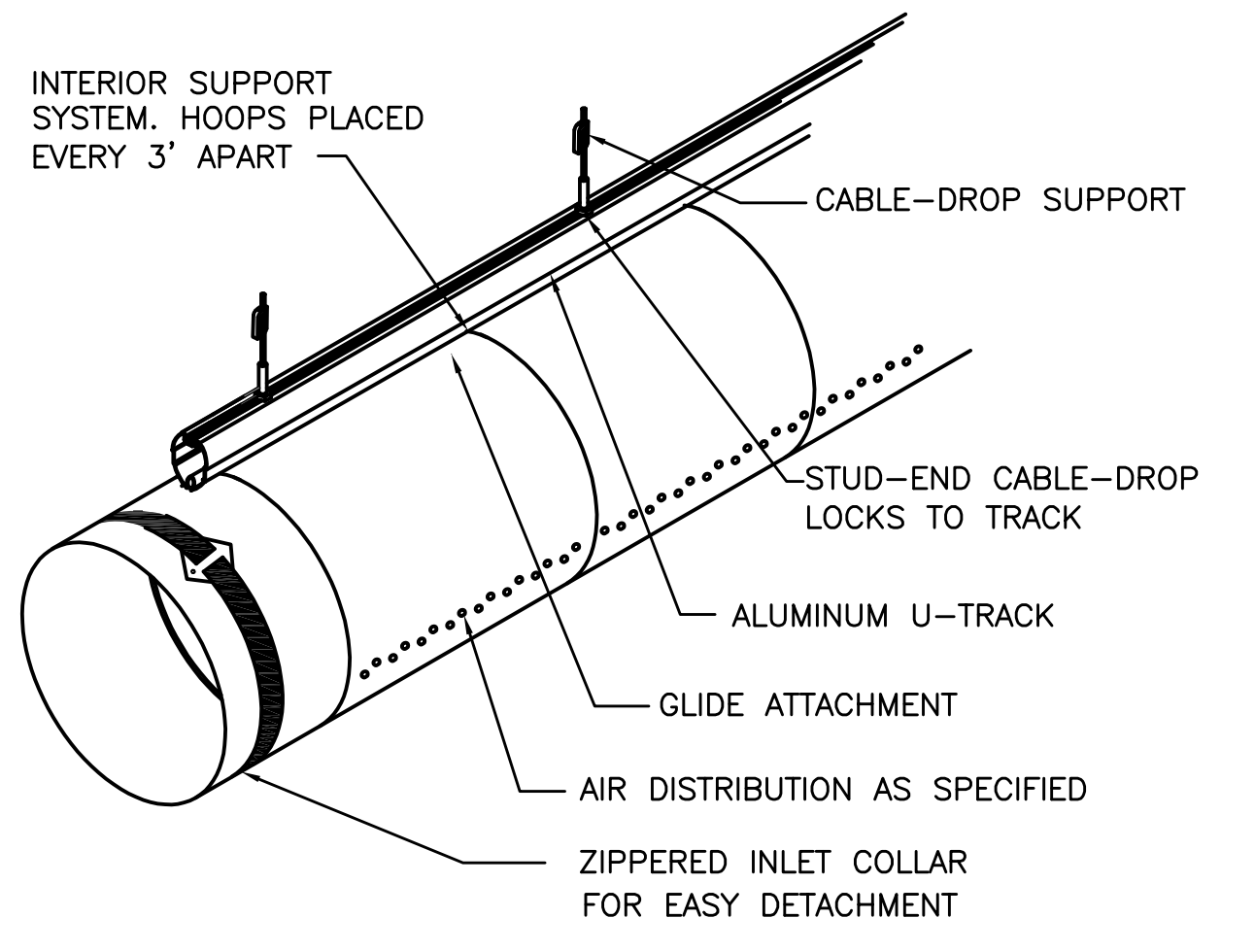


9 CONDENSATE TRAP DETAIL
M1.1 SCALE: NONE

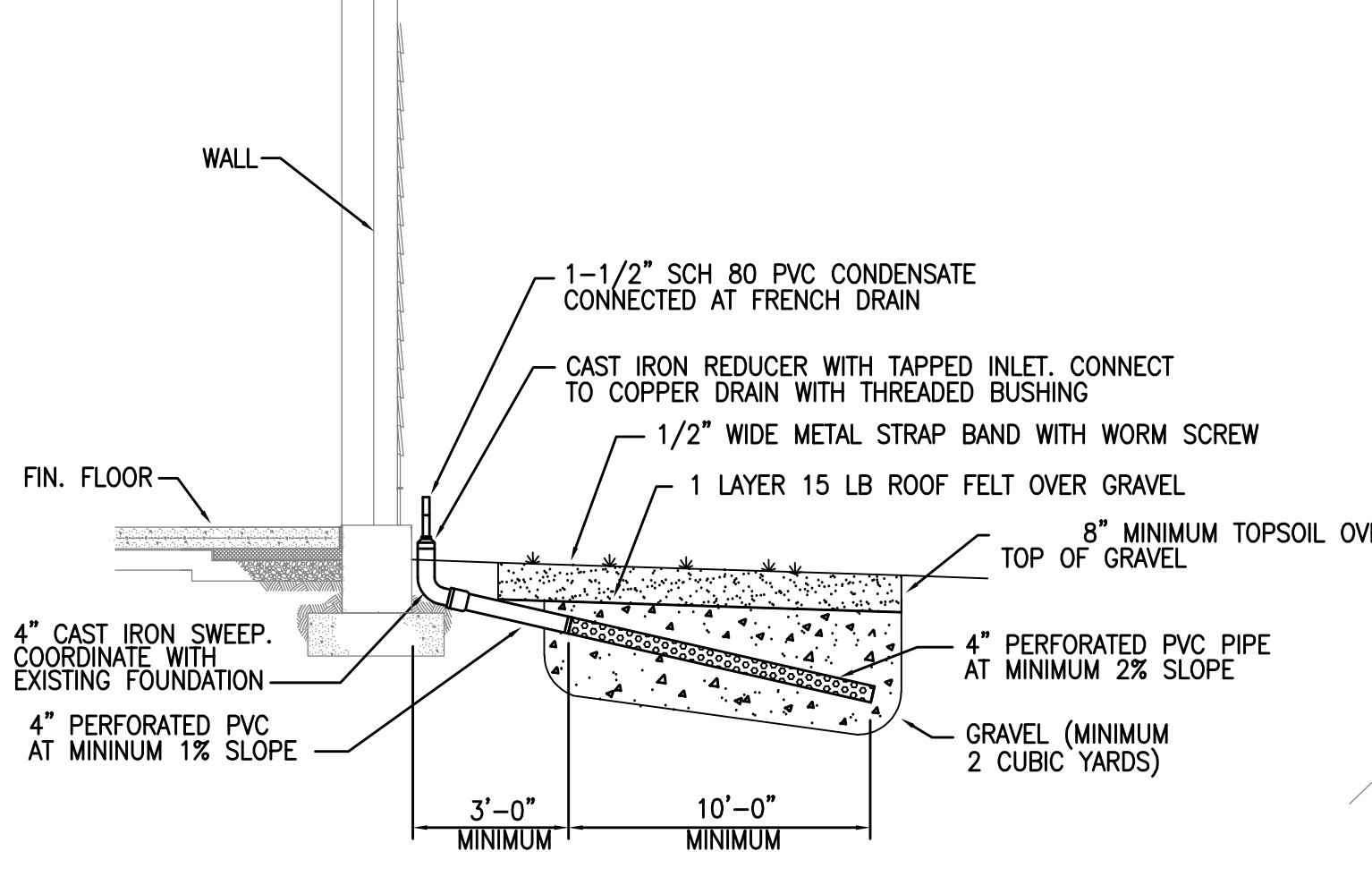


GENERAL NOTES:
- ROUTE REFRIGERANT PIPING AND CONTROL CONDUIT UP EXTERIOR WALL WITH 18 GAUGE ALUMINUM "PAINT GRIP" COVER. COVER SHALL BE PRIMED AND PAINTED PER ARCHITECTURAL REQUIREMENTS.
- INSIDE OF COVER TO BE SIZED A MINIMUM OF A 1/2" LARGER THAN PIPES AND INSULATION

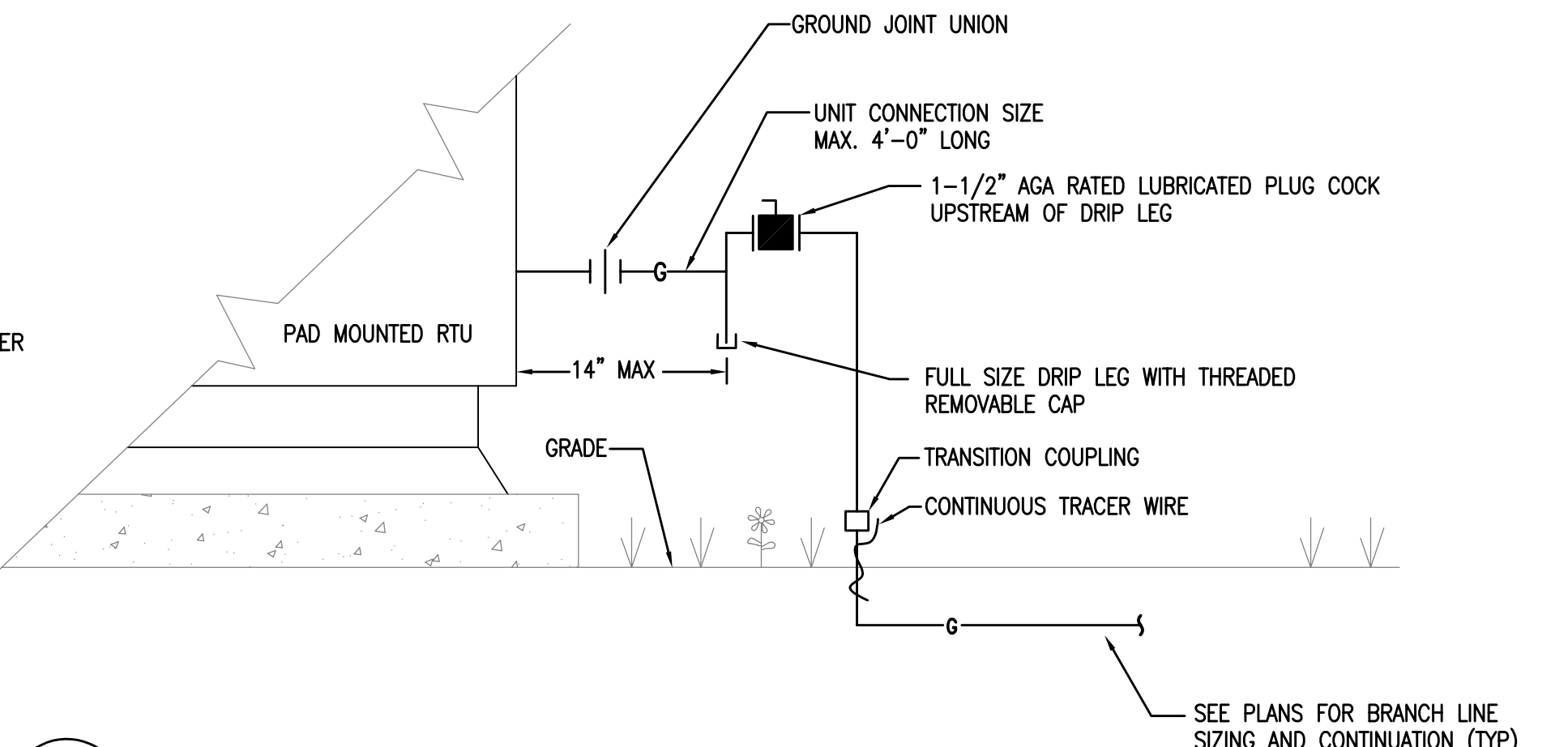
10 REFRIGERANT PIPING COVER DETAIL
M1.1 NOT TO SCALE



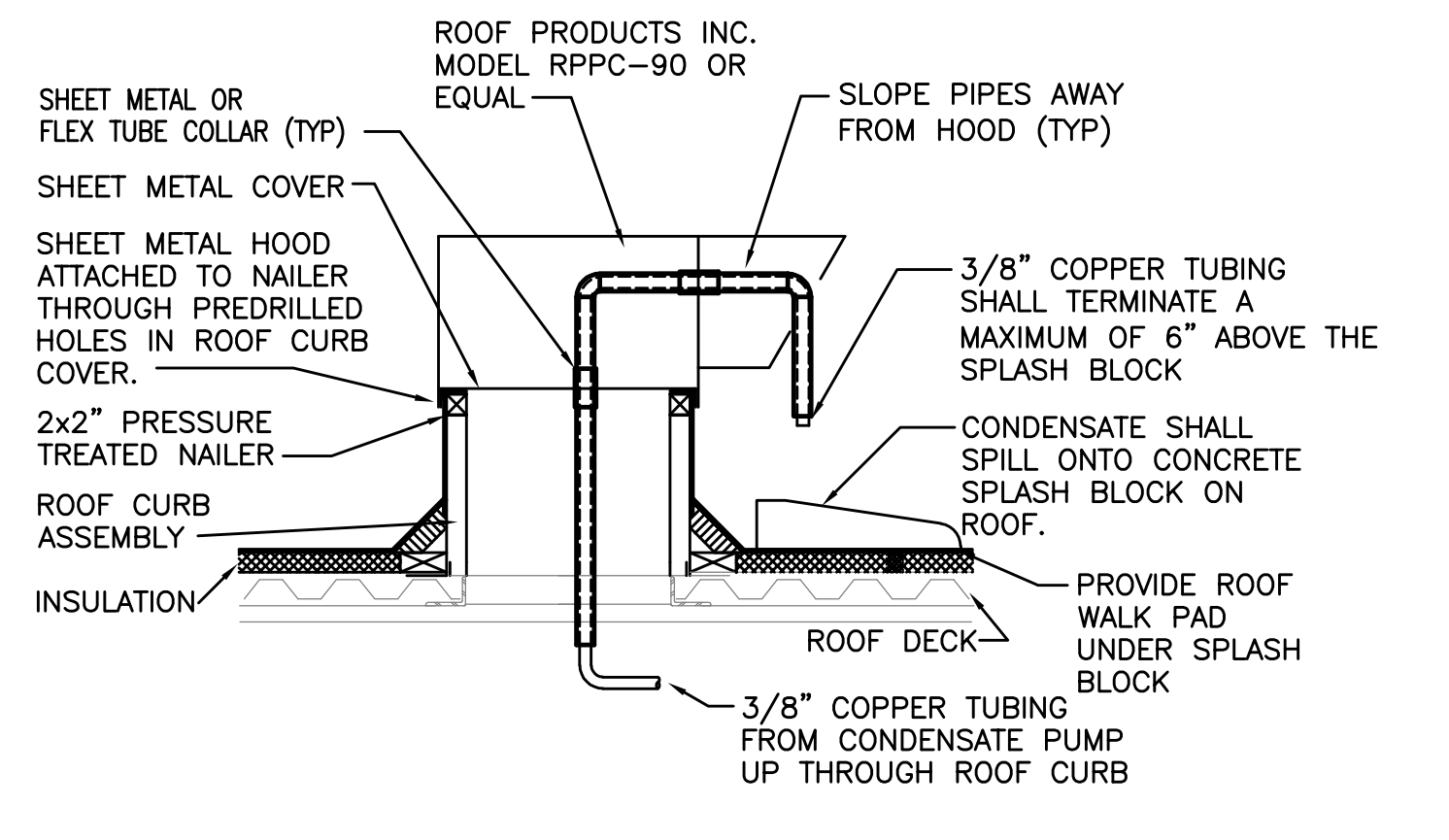
11 FABRIC DUCT SUSPENSION DETAIL
M1.1 SCALE: NONE



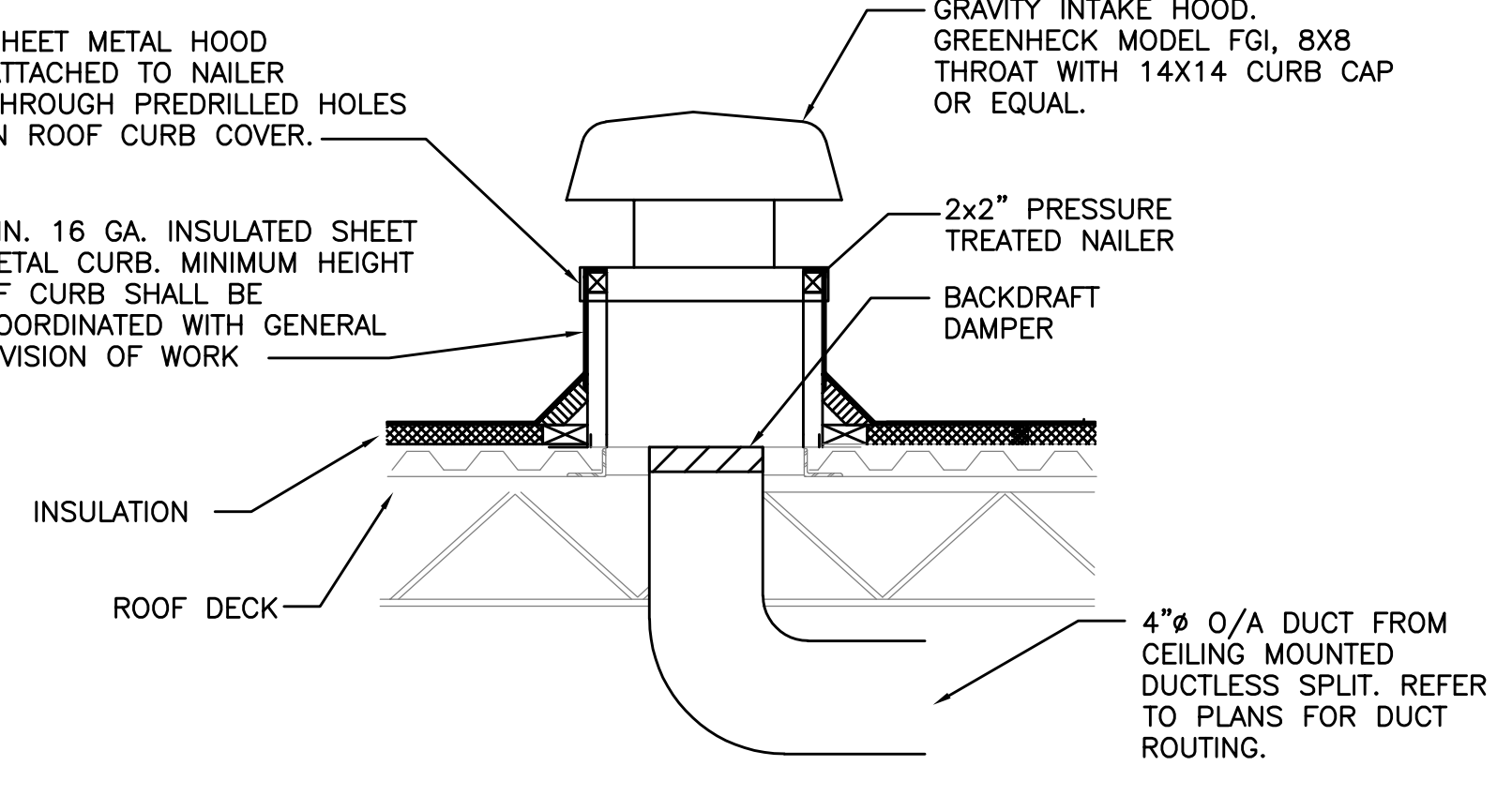
12 CONDENSATE DRAIN ON EXTERIOR WALL
M1.1 NO SCALE



13 DETAIL - TYPICAL PADMOUNTED RTU GAS CONNECTION
M1.1 NO SCALE



14 CONDENSATE DRAIN PIPE ROOF CURB DETAIL
M1.1 SCALE: NONE



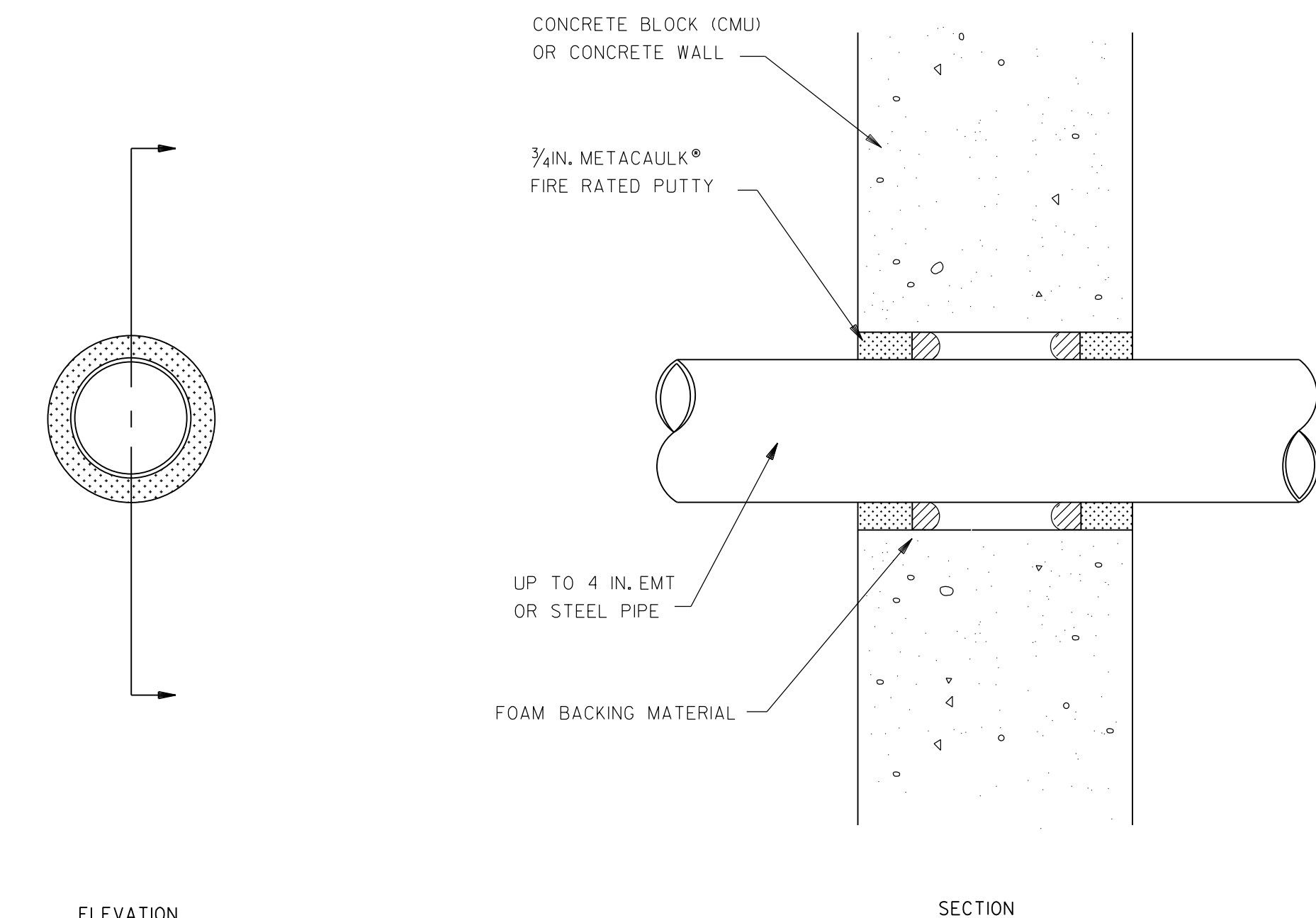
15 DUCTLESS SPLIT O/A INTAKE ROOF CURB DETAIL
M1.1 SCALE: NONE



1 SITE PLAN - ELECTRICAL
E.I.O. NOT TO SCALE

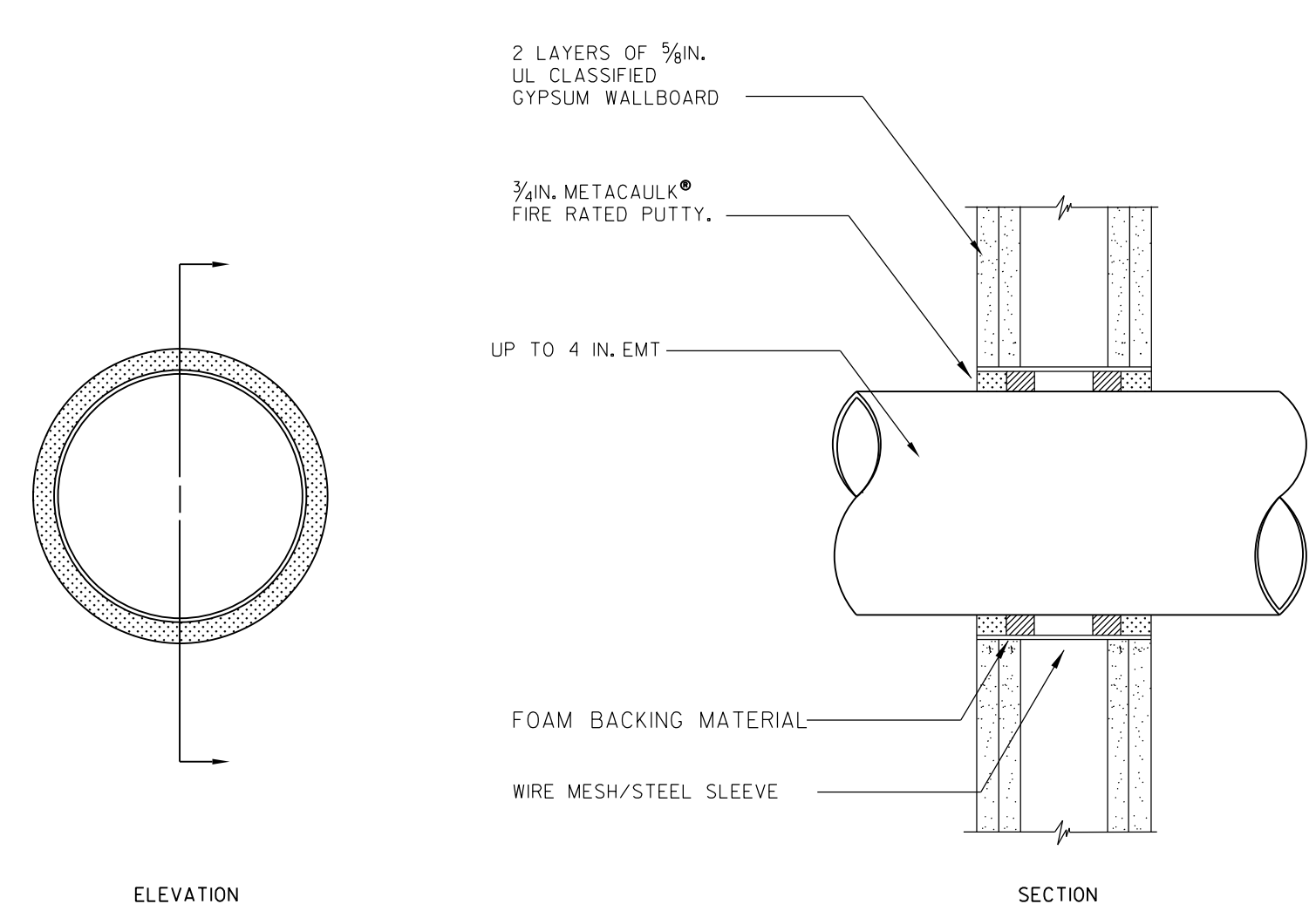
PROPOSED ROUTING LOCATION OF 400A FEEDER, CONCEALED IN ALL LOCATIONS WITH ACCESSIBLE CEILINGS.

| ELECTRICAL LEGEND | |
|-------------------|---|
| POWER AND SYSTEMS | |
| | CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL, HASH MARKS INDICATE NUMBER OF CONDUCTORS, 13 CONDUCTOR UNLESS SHOWN |
| | CONDUIT RUN CONCEALED BELOW FLOOR SLAB, OR UNDERGROUND. |
| | HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARD, NUMBERS INDICATES CIRCUIT NUMBERS. |
| | EXPOSED CONDUIT RUN. |
| | DUPLEX CONVENIENCE OUTLET, GFI TYPE, 18 IN. ABOVE FLOOR UNLESS OTHERWISE NOTED, "WP" WHERE SHOWN INDICATES WEATHERPROOF. |
| | PANELBOARD |
| | DISCONNECT SWITCH |
| | FIRE ALARM DUCT SMOKE DETECTOR (PHOTO ELECTRIC TYPE) LOCATED IN HVAC DUCT. PROVIDE RELAY AND CONNECTION TO FACP. MATCH EXISTING MANUFACTURER AND TYPE. PROVIDE ALL REPROGRAMMING REQUIRED. PROVIDE SAMPLING TUBE AND REMOTE STATUS INDICATOR. MOUNT STATUS INDICATOR IN CEILING BELOW WITH LABEL. |



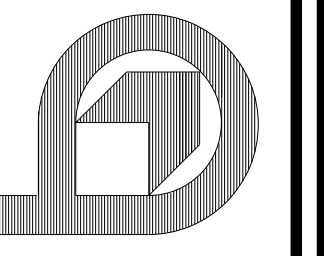
2 DETAIL - CONCRETE WALL PENETRATION
E.I.O. NOT TO SCALE

NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.



3 DETAIL - GYPSUM WALLBOARD PENETRATION
E.I.O. NOT TO SCALE

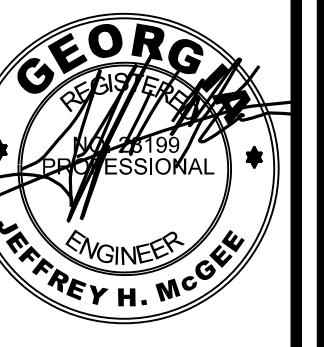
NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.



WALKER COUNTY SCHOOLS HVAC MODIFICATIONS
FAIRYLAND ELEMENTARY SCHOOL & CHEROKEE RIDGE ELEMENTARY SCHOOL FACILITY CODE: 746-2052 & 746-0199
LAFAYETTE WALKER COUNTY GEORGIA
JAMES W. BUCKLEY & ASSOCIATES, INC. - ARCHITECTS
SWAINSBORO - ALBANY - ROMIE - SAVANNAH - BRESNICK

SHEET TITLE
ELECTRICAL
LEGEND & DETAILS

WARNING
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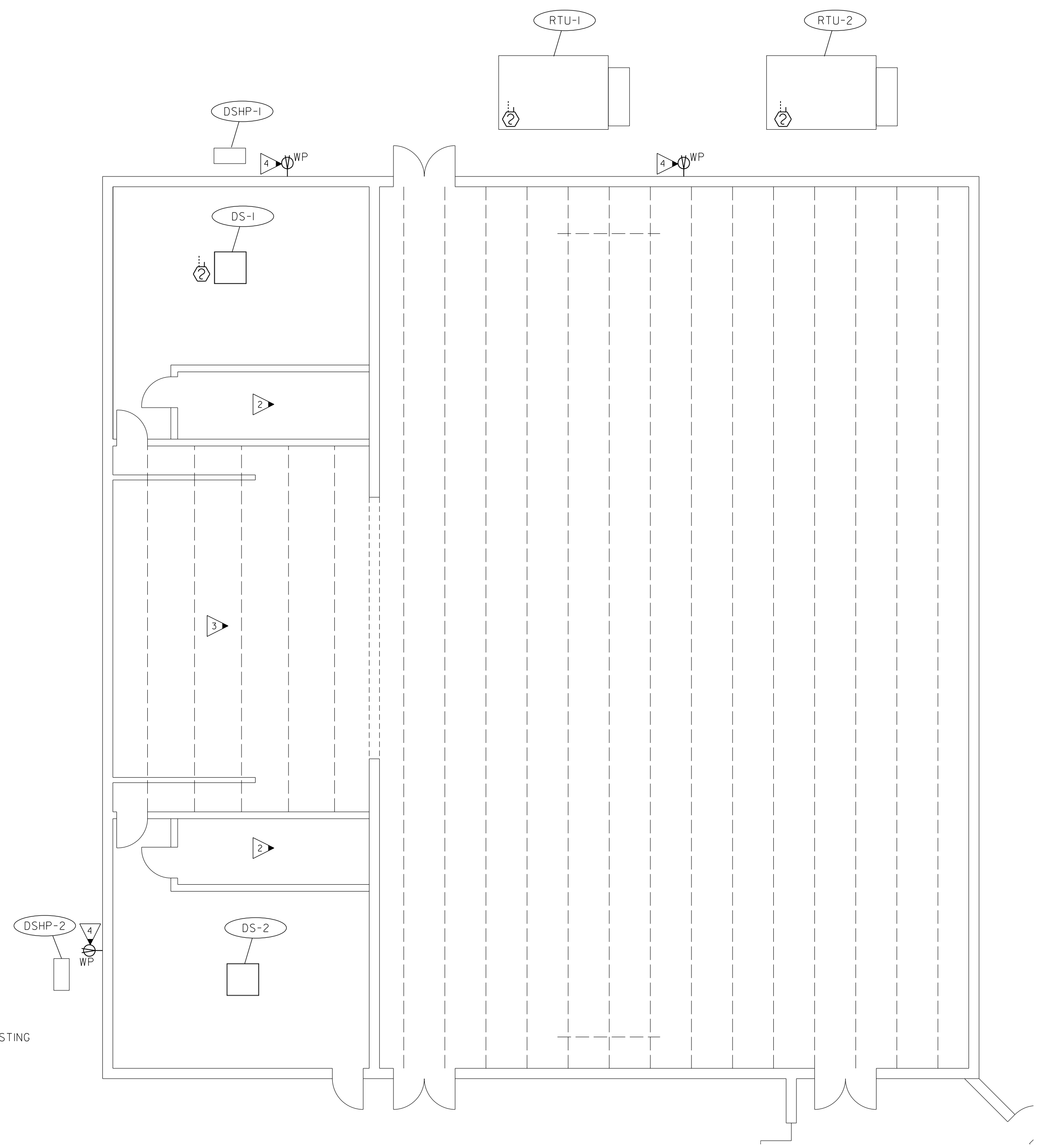
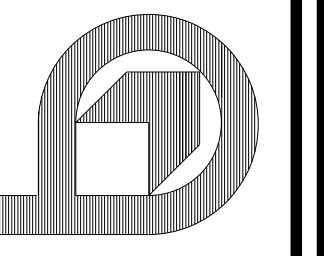


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DOE FINAL 02/12/17
BID 3/1/17

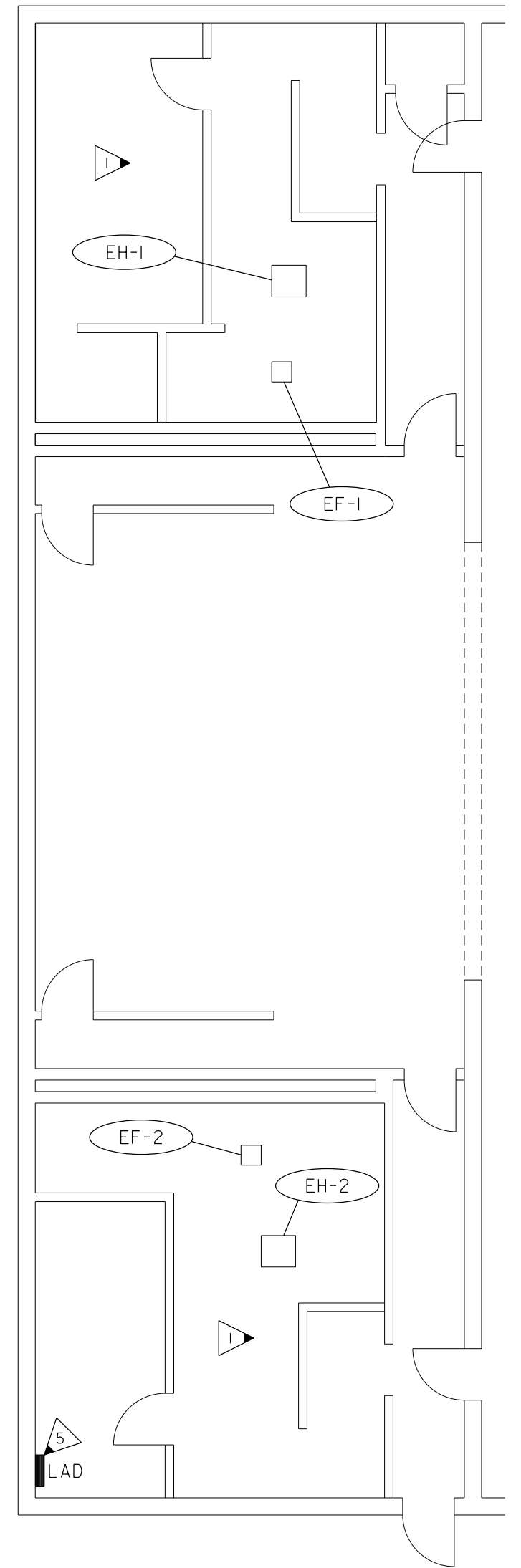
JHM
DRAWN BY
JHM
CHECKED BY
JHM
APPROVED BY
MARCH 1, 2017
DATE
206-17
PROJECT NO.

E1.0
UPDATE
FILE

ELECTRICAL DESIGN
EDC
CONSULTANTS, INC.
175 NEW ST., STE 11
MACON, GA 31201
EDC M17014
FAIRYLAND ELEMENTARY SCHOOL



2
 E1.1
 GYM UPPER LEVEL - MECHANICAL
 PLAN - ELECTRICAL - NEW WORK
 SCALE: 1/8"=1'-0"



1
 E1.1
 GYM LOWER LEVEL - MECHANICAL
 PLAN - ELECTRICAL - NEW WORK
 SCALE: 1/8"=1'-0"

GENERAL NOTES:

- A. DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT.
- B. THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
- C. SYMBOL FOR TYPE MECHANICAL OR PLUMBING EQUIPMENT. SEE MECHANICAL AND PLUMBING DRAWINGS.
- D. ELECTRICAL CONTRACTOR IS ADVISED TO CAREFULLY REVIEW ALL SPECIFICATION SECTIONS. STRICT ADHERANCE TO THESE REQUIREMENTS WILL BE CAREFULLY CHECKED AT FINAL INSPECTION.
- E. PRIOR TO PROJECT COMPLETION ELECTRICAL CONTRACTOR SHALL UPDATE ALL PANEL SCHEDULES AS NECESSARY.
- F. EXTEND ALL BRANCH CIRCUITS TO NEW/REPLACED EQUIPMENT AS REQUIRED.
- G. FIELD VERIFY ALL EXISTING EQUIPMENT LOCATIONS.

KEYED NOTES: (THIS SHEET ONLY)

- 1. EXISTING FANS IN RESTROOMS SHALL BE DEMOLISHED.
- 2. EXISTING HEATING UNITS IN CLOSET SHALL BE DEMOLISHED.
- 3. EXISTING ROOF MOUNTED UNIT ABOVE STAGE SHALL BE DEMOLISHED.
- 4. PROVIDE NEW RECEPTACLE IN THIS LOCATION POWERED FROM CLOSEST RECEPTACLE CIRCUIT.
- 5. NEW PANEL, SEE ELECTRICAL RISER FOR DETAIL.
- 6. PROVIDE NEW S.E. RATED 400A ENCLOSED BREAKER DISCONNECT ADJACENT TO EXISTING MDP. USE EXISTING EMPTY LUGS ON PRIMARY SIDE 2500A MAIN BREAKER. RELABEL EXISTING 2500A BREAKER MAIN 1 OF 2. LABEL NEW 400A BREAKER MAIN 2 OF 2. MATCH AIC RATINGS, FIELD VERIFY.
- 7. PROVIDE 2 SETS 4*4/0, 1*2G., 2-1/2IN.C. FROM DISCONNECT TO NEW PANEL LAD. SEE 3/ELO FOR ROUTING.

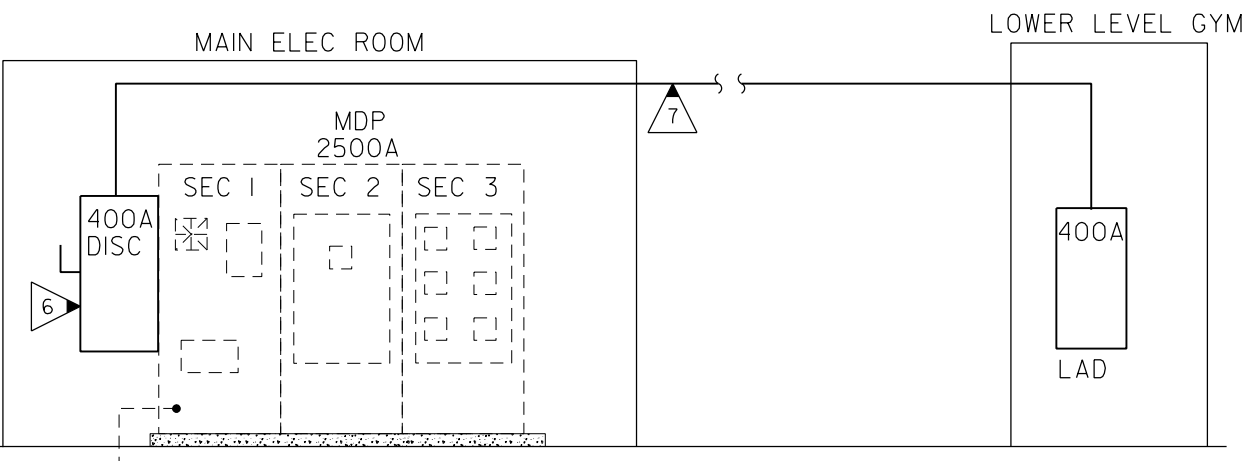
| MECHANICAL EQUIPMENT POWER SCHEDULE | | | | | | |
|-------------------------------------|----------------|-----------------|----------------------------|-----------------------|-------------------|-------|
| UNIT NAME | VOLTAGE/ PHASE | CIRCUIT BREAKER | PANEL NAME/ CIRCUIT NUMBER | FEEDER | DISCONNECT SWITCH | NOTES |
| RTU-1 | 208V/3Ø | 40A/3P | LAD-1 | 3*3, #8G., 1/4 IN. C. | 100A/3P/3R | 1 |
| RTU-2 | 208V/3Ø | 30A/3P | LAD-2 | 3*3, #8G., 1/4 IN. C. | 100A/3P/3R | 1 |
| DS-1 / DSHP-1 | 208V/1Ø | 30A/2P | LAD-7 | 3*10, 3/4 IN. C. | 30A/2P/3R | 2 |
| DS-2 / DSHP-2 | 208V/1Ø | 30A/2P | LAD-8 | 3*10, 3/4 IN. C. | 30A/2P/3R | 2 |
| EH-1 | 208V/1Ø | 20A/2P | LAD-11 | 3*12, 3/4 IN. C. | 30A/2P | |
| EH-2 | 208V/1Ø | 20A/2P | LAD-12 | 3*12, 3/4 IN. C. | 30A/2P | |
| EF-1 | 120V/1Ø | 20A/1P | LAD-15 | 3*12, 1/2 IN. C. | SWITCH | |
| EF-2 | 120V/1Ø | 20A/1P | LAD-15 | 3*12, 1/2 IN. C. | SWITCH | |

NOTES:
 1. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN SUPPLY AIR DUCT.
 2. INDOOR UNIT POWERED VIA OUTDOOR UNIT.

| DESCRIPTION | VOLT AMPS | | | BRKR | CKT | BUS CONN | NO | P | LOCATION MOUNTING | | | ELEC. ROOM SURFACE | |
|---------------|-----------|------|------|------|-----|----------|----|---|-------------------|------|-------|--------------------|---------------|
| | A | B | C | | | | | | MAN | MAIN | MAN | | |
| RTU-1 | 8928 | 8928 | 90 | 3 | 1 | A | 2 | 3 | 90 | | | 8928 | RTU-2 |
| DS-1 / DSHP-1 | 1872 | | 30 | 2 | 7 | A | 8 | 2 | 30 | | | 8928 | DS-2 / DSHP-2 |
| EH-1 | | 1000 | 20 | 1 | 13 | A | 14 | 1 | 20 | | | 1000 | EH-2 |
| EF-1 AND EF-2 | | 700 | 20 | 1 | 15 | B | 16 | 1 | 20 | | | | SPARE |
| SPARE | | | 20 | 1 | 17 | C | 18 | 1 | 20 | | | | SPARE |
| SPARE | | | 20 | 1 | 19 | A | 20 | 1 | 20 | | | | SPARE |
| SPARE | | | 20 | 1 | 21 | B | 22 | 1 | 20 | | | | SPARE |
| SPARE | | | 20 | 1 | 23 | C | 24 | 1 | 20 | | | | SPARE |
| SPARE | | | 1 | 25 | A | 26 | 1 | | | | | | SPARE |
| SPARE | | | 1 | 27 | B | 28 | 1 | | | | | | SPARE |
| SPARE | | | 1 | 29 | C | 30 | 1 | | | | | | SPARE |
| SPARE | | | 1 | 31 | A | 32 | 1 | | | | | | SPARE |
| SPARE | | | 1 | 33 | B | 34 | 1 | | | | | | SPARE |
| SPARE | | | 1 | 35 | C | 36 | 1 | | | | | | SPARE |
| SPARE | | | 1 | 37 | A | 38 | 1 | | | | | | SPARE |
| SPARE | | | 1 | 39 | B | 40 | 1 | | | | | | SPARE |
| SPARE | | | 1 | 41 | C | 42 | 1 | | | | | | SPARE |
| TOTALS | 1800 | 1500 | 9928 | | 41 | | 42 | | | 9928 | 10800 | 1800 | |

VOLT AMPS
 BUS A 23600
 BUS B 22500
 BUS C 9856
 TOTAL 65756

REMARKS:



3
 E1.1
 POWER RISER DIAGRAM
 NOT TO SCALE