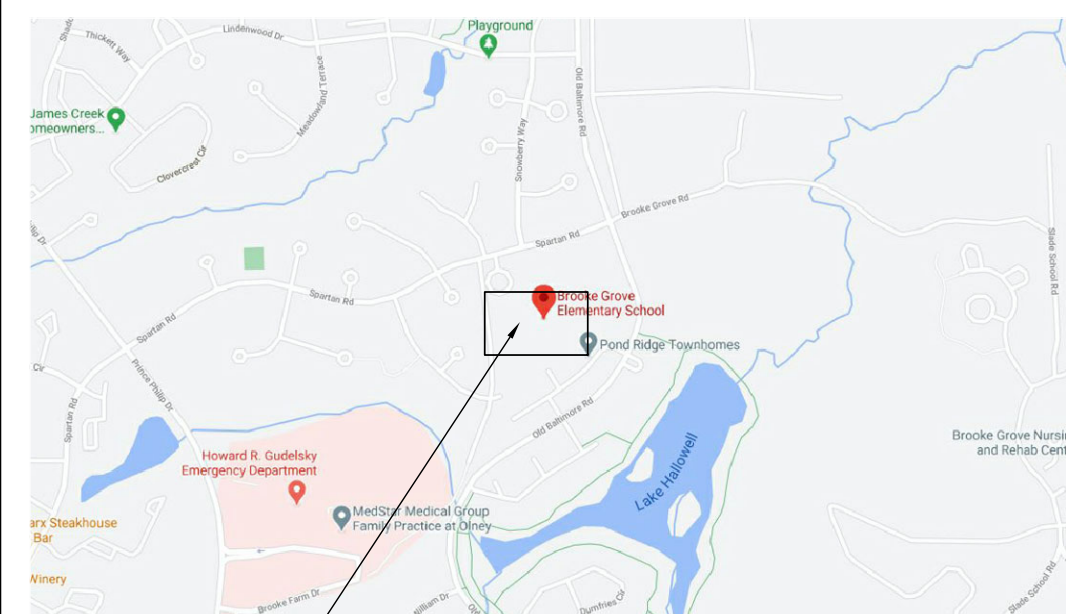


PROJECT INFORMATION

ELEVATOR MODERNIZATION FOR:
BROOKE GROVE ELEMENTARY SCHOOL
MONTGOMERY COUNTY PUBLIC SCHOOLS
2700 SPARTAN ROAD
OLNEY, MD 20832



VICINITY & LOCATION MAP



VICINITY MAP
NOT TO SCALE



LOCATION OF BROOKE GROVE ELEMENTARY SCHOOL
NOT TO SCALE

LEGEND

Legend table listing symbols for materials like BRICK, CONCRETE, METAL, and structural elements like DOOR / FRAME, WINDOW OPENING, etc.

ABBREVIATIONS

Table of abbreviations for architectural elements such as ANGLE, ACUSTIC, JAN., JANITOR, etc.

CONTACT LIST

OWNER: MONTGOMERY COUNTY PUBLIC SCHOOLS
DIVISION OF DESIGN AND CONSTRUCTION
45 WEST GUIDE DRIVE, SUITE 4300
ROCKVILLE, MD 20850
TEL. : (240)-314-1000
FAX : (301)-279-3003
ARCHITECT: PROFFITT & ASSOCIATES ARCHITECTS, PC
MECH. / ELEC. ENGINEER : ALBAN ENGINEERING INC.

DRAWINGS LIST

- AO.1 COVER SHEET
ARCHITECTURAL DRAWINGS
A1.1 EXISTING / DEMOLITION & PROPOSED FLOOR PLANS
A5.1 INTERIOR ELEVATION
ELECTRICAL DRAWINGS
EO.1 LEGEND, ABBREVI., CONVENTIONS, & PROPOSED ROUTING
EI.1 EXISTING / DEMOLITION & PROPOSED FLOOR PLANS
MO.1 MECHANICAL NOTES & LEGEND
MI.1 MECHANICAL FLOOR PLANS
MT.1 MECHANICAL DETAILS & CONTROL DIAGRAMS

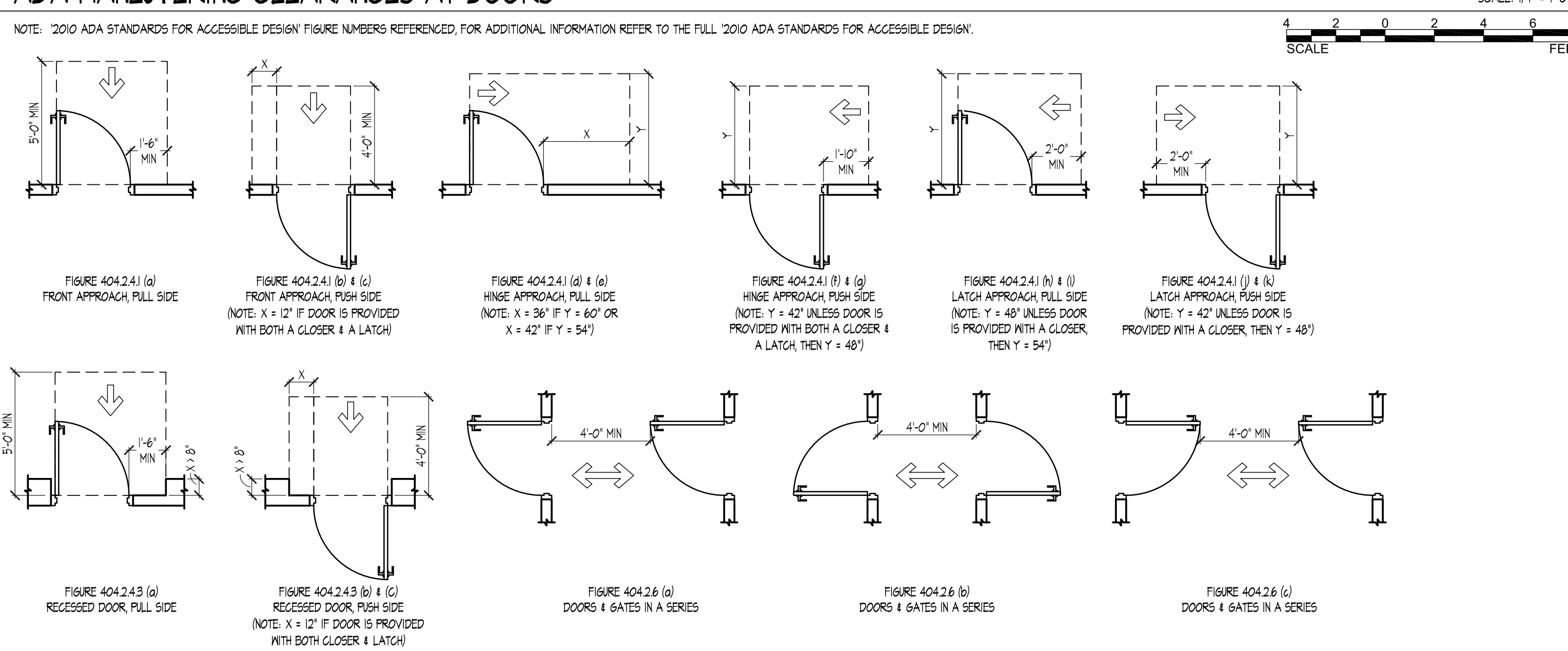
GENERAL NOTES

- 1. BIDDERS SHALL CAREFULLY EXAMINE THE PERMIT/BID DOCUMENTS, ACQUAINT THEMSELVES WITH ALL GOVERNING LAWS AND CODES, VISIT THE SITE AND THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS BEFORE SUBMITTING BIDS.
2. PART OF THE CONTRACTOR'S WORK INVOLVES ALTERATIONS TO AN EXISTING FACILITY. THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE ACTUAL FIELD CONDITIONS, AND CHECK THE ACCURACY OF THE EXISTING CONDITIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR EXECUTING ANY AND ALL WORK SHOWN, NOTED, OR SPECIFIED.
3. THE INTENT OF THESE DRAWINGS IS FOR THE CONTRACTOR TO PROVIDE ALL LABOR, MATERIAL, FINISHES EQUIPMENT, INSTALLATION, AND SERVICES NECESSARY FOR AND INCIDENTAL WITH THE WORK, TO PROVIDE THE OWNER WITH A COMPLETE PROJECT INCLUSIVE OF ALL SYSTEMS.
4. ALL WORK DESCRIBED WITHIN THE CONTRACT DOCUMENTS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, INCLUDING BUT NOT LIMITED TO THE CURRENT BUILDING CODE, LIFE SAFETY CODE, ADAAS, AS WELL AS ORDINANCES AND REGULATIONS AND OTHER BUILDING CODES ENFORCED BY THE AUTHORITY HAVING JURISDICTION.
5. ALL MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND WARRANTY REQUIREMENTS.
6. INDIVIDUAL SUBCONTRACTORS FOR ANY ELECTRICAL AND MECHANICAL WORK SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS, ETC., AND PERFORM ALL WORK IN CONFORMANCE TO ALL LOCAL CODES.
7. DISTURB AS SMALL AN AREA OF THE SITE AS POSSIBLE DURING CONSTRUCTION OPERATIONS, UNLESS OTHERWISE NOTED, PREPARE AND SEED DISTURBED AREAS AT THE COMPLETION OF THE PROJECT.
8. REPAIR ALL AREAS DISTURBED BY THE WORK OF THIS PROJECT, INCLUDING SUBSTRATES OR STRUCTURAL REPAIRS, AND REPAIRS TO FINISHES TO MATCH AND ALIGN WITH EXISTING FINISHES TO REMAIN OR NEW FINISHES INSTALLED.
9. THE JOB SITE IS TO BE LEFT CLEAN AND FREE FROM DEBRIS AT ALL TIMES.
10. UNLESS OTHERWISE NOTED, ALL WORK IS CONSIDERED TO BE NEW CONSTRUCTION.
11. CONTRACTOR TO PROTECT ALL EXISTING UNDERGROUND UTILITIES AND VERIFY LOCATION PRIOR TO ANY EXCAVATION.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING, BRACING, AND TAKE OTHER PRECAUTIONS NECESSARY FOR SAFETY AS REQUIRED BY CODE AND PRACTICE.
13. CONTRACTOR SHALL STAGE WORK IN SUCH A MANNER AS TO ENSURE SAFE EMERGENCY EGRESS AT ALL TIMES.
14. EXCEPT FOR PRE-FINISHED SURFACES ALL ITEMS DISTURBED OR DAMAGED BY WORK SHALL BE REFINISHED TO MATCH SURROUNDING AREA OR FINISHED AS INDICATED. REPAIRED AND NEW AREAS OF WALLS OR CEILING SHALL BLEND AND FEATHER INTO SURROUNDING AREA WITHOUT ANY VISIBLE SEAMS OR CHANGE IN APPEARANCE BETWEEN THE REPAIRED OR NEW AREA AND THE SURROUNDING AREA WHEN VIEWED FROM A DISTANCE OF 3 FEET.
15. CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, CONCEALED WITHIN THE WALLS, FOR ATTACHMENT OF SURFACE AND/OR RECESSED MOUNTED EQUIPMENT OR ACCESSORIES, WHETHER SHOWN IN THE DRAWINGS OR NOT. BLOCKING TO BE FIRE RETARDANT.
16. CONTRACTOR SHALL SUPPLY ALL NECESSARY ANCHORS, TIES, CLIPS, HANGERS, BOLTS, AND OTHER FASTENING DEVICES AS REQUIRED BY CODE AND GOOD PRACTICE.
17. CONTRACTOR SHALL PROVIDE SEALANT AROUND LOUVERS, DOOR JAMBS AND HEADS, AND ADJACENT CONSTRUCTION.
18. PART OF THIS WORK MAY INCLUDE THE INSTALLATION AND/OR MODIFICATION OF A SPRINKLER SYSTEM IN AN EXISTING BUILDING. CONTRACTOR IS RESPONSIBLE TO CONCEAL ALL NEW PIPING WITHIN EXISTING CONSTRUCTION AND MAKE REPAIRS AS NECESSARY TO MATCH EXISTING OR NEW FINISHES.
19. PRIOR TO MODIFICATION OR ADDITION OF SPRINKLER IN EXISTING BUILDING, SUBCONTRACTOR TO CONFIRM FINAL CEILING HEIGHT WITH CONTRACTOR DUE TO JOB CONDITIONS.
20. EXISTING BUILDING INFORMATION IS BASED ON INFORMATION PROVIDED BY OTHERS AND PROFFITT & ASSOCIATES ARCHITECTS' FIELD SURVEYS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO SUBMITTING SHOP DRAWINGS, AND BEFORE CONSTRUCTION AND FABRICATION OF MATERIALS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES FROM THE INFORMATION PROVIDED IN A TIMELY MANNER.
21. DRAWING INTENT IS TO INDICATE GENERAL ARRANGEMENT, DESIGN AND INTENT OF WORK AND IS PARTIALLY DIAGRAMMATIC. IT SHALL NOT BE SCALED FOR ROUGH-IN MEASUREMENTS, INCLUDING CONSTRUCTION OR FABRICATION. ALL DIMENSIONS FOR BUILT-IN ITEMS SHALL BE BASED ON FIELD DIMENSIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DIMENSIONS.
22. DIMENSIONS, NOTES, FINISHES AND FIXTURES SHOWN ON TYPICAL PLANS, SECTIONS OR DETAILS SHALL APPLY TO SIMILAR, SYMMETRICAL, OR OPPOSITE PLANS, SECTIONS OR DETAILS.
23. THE CONTRACTOR SHALL, UPON COMPLETION OF THE WORK, CLEAN THE SPACE, INCLUDING BUT NOT LIMITED TO GLASS, DOORS, FRAMES, FLOORS, BASE, HVAC DIFFUSERS AND GRILLS, AND LIGHT LENSES AND VACUUM THE CARPETS.
24. CONTRACTOR SHALL SEPARATE CONSTRUCTION AREA FROM EXISTING BUILDINGS WITH DUST FLOOD BARRIERS.
25. CONTRACTOR SHALL SUPPLY AND REPLACE EXISTING AIR FILTERS IN AREAS OF RENOVATION AND PROTECT DUCTWORK DURING CONSTRUCTION WITH TEMPORARY FILTER ON RETURN DUCTWORK.
26. REFER TO THE GENERAL SPECIFICATIONS.

SCOPE OF WORK

THIS PROJECT CONSISTS OF INTERIOR RENOVATIONS TO AN EXISTING ELEMENTARY SCHOOL IN ORDER TO MODERNIZE THE EXISTING ELEVATOR.
IMPROVEMENTS TO THE SPACE ARE LIMITED TO INTERIOR WORK AND INCLUDE ALL OR MOST OF THE FOLLOWING ASPECTS: (SEE DRAWINGS & SPECIFICATIONS FOR FULL SCOPE OF WORK)
SELECTIVE DEMOLITION - PROJECT INCLUDES REMOVAL OF EXISTING ELEVATOR AND EQUIPMENT.
FINISHES - THE PROJECT REQUIRES REPLACEMENT OF ALL ELEVATOR CAB FINISHES. THE PROJECT ALSO REQUIRES GYP. WALL PATCHING, AND WALL PAINTING AT EXISTING WALLS IMMEDIATELY ADJACENT TO THE WORK AREA.
STEEL & ROOFING - THE PROJECT REQUIRES MODIFICATION TO THE EXISTING METAL ROOF DECK & BUILT-UP ASPHALT ROOFING SYSTEM IN ORDER TO ACCOMMODATE A NEW OUTDOOR UNIT FOR THE SPLIT SYSTEM HVAC. ALL ROOFING WORK SHALL BE PERFORMED BY A CONTRACTOR CERTIFIED BY THE ROOFINGS MANUFACTURER IN ORDER TO MAINTAIN THE EXISTING WARRANTY.
SPRINKLER SYSTEM - THE BUILDING IS EQUIPPED WITH A SPRINKLER SYSTEM THAT MAY REQUIRE RETROFIT. THE SCOPE OF SPRINKLER WORK IS EXPECTED TO BE LIMITED TO ADJUSTING HEAD LOCATIONS AND ADDING HEADS WHERE NECESSARY.
MECHANICAL - THE PROJECT REQUIRES THE REMOVAL OF THE EXISTING MACHINE ROOM EXHAUST SYSTEM AND PROVISION OF A NEW SPLIT SYSTEM HVAC UNIT.
ELECTRICAL - THE PROJECT INCLUDES REMOVAL & REPLACEMENT OF EXISTING ELECTRICAL COMPONENTS ASSOCIATED WITH THE ELEVATOR, INCLUDING BUT NOT LIMITED TO WIRING, DISCONNECTS, CIRCUIT BREAKERS, AND LIGHTING.
NO SITE WORK OR UTILITY WORK IS INCLUDED. NO CONCRETE WORK IS INCLUDED.
NO CARPENTRY WORK IS INCLUDED. NO PLUMBING WORK IS INCLUDED.

ADA MANEUVERING CLEARANCES AT DOORS



DESIGN CODES:

INTERNATIONAL BUILDING CODE 2018
MD BUILDING REHABILITATION CODE - COMAR 5.16.01
INTERNATIONAL EXISTING BUILDING CODE 2018
NFAA (LIFE SAFETY CODE) 2015
NFAA (FIRE CODE) 2015
NFAA TO (NATIONAL ELECTRIC CODE) 2017
IFGC PLUMBING & FUEL GAS CODE
AMERICANS WITH DISABILITIES ACT 2010
MD ACCESSIBILITY CODE - COMAR 04.12.35
ASME A11-2016
AUTHORITY HAVING JURISDICTION: MONTGOMERY COUNTY, MARYLAND

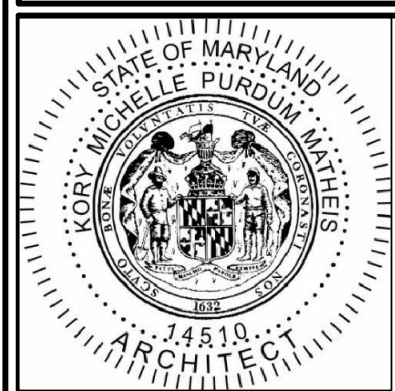
SQUARE FOOTAGE SUMMARY & CONSTRUCTION TYPES:

Table with columns for construction type and square footage. Includes rows for Overall Existing Buildings, Area of Demolition, Area of Addition, Area of Renovation, and Total Area of Proposed Bldg.



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FREDERICK, MARYLAND 21701
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FAX (301) 662-4192
info@proffittandassociates.com

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED ARCHITECT OF THE STATE OF MARYLAND.
LICENSE NO. 14510
EXPIRATION DATE 03/07/2022



ELEVATOR MODERNIZATION FOR:
BROOKE GROVE ELEMENTARY SCHOOL
MONTGOMERY COUNTY PUBLIC SCHOOLS
2700 SPARTAN ROAD
OLNEY, MD 20832
CONSTRUCTION DOCUMENTS

ISSUE

Table with columns for REV, DATE, and DESCRIPTION. Shows one issue dated 01/20/21 for MCPS REVIEW SET.

PROJECT NO.: 18-12.25
DATE: 01 / 20 / 2021

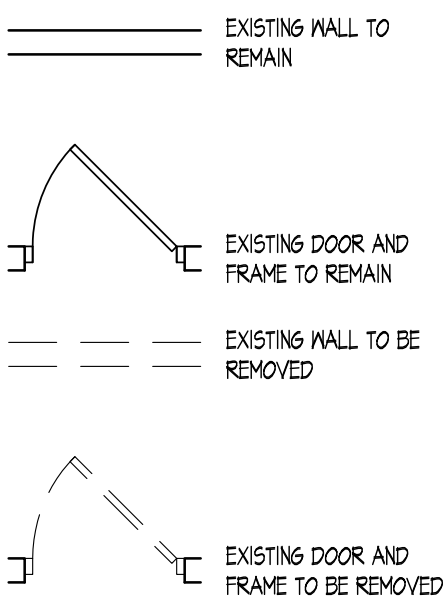
COVER SHEET

A0.1

SELECTIVE DEMOLITION NOTES:

- 1 COMPLETELY REMOVE ALL EXISTING ELEVATOR MACHINE ROOM CONTROLLERS, DRIVE MACHINES, PANELS, DISCONNECT SWITCHES, CONDUIT, AND LIGHT FIXTURES, ETC. PATCH AND REPAIR THE WALL/FLOOR AS REQUIRED WHERE EXISTING EQUIPMENT WAS MECHANICALLY ATTACHED. SEE SPECIFICATION SECTION 42410 FOR FULL DESCRIPTION OF SCOPE OF WORK.
- 2 COMPLETELY REMOVE EXISTING ELEVATOR EQUIPMENT IN THE ELEVATOR HOISTWAYS, INCLUDING BUT NOT LIMITED TO, HATCH EQUIPMENT, CAR DOOR EQUIPMENT, HOISTWAY DOOR COMPONENTS & DOOR PANELS. SEE SPECIFICATION SECTION 42410 FOR FULL LISTING OF EQUIPMENT TO BE REPLACED, RETAINED, AND RECONDITIONED.
- 3 COMPLETELY REMOVE ALL CAR AND CORRIDOR FIXTURES NOTED TO BE REPLACED IN SPECIFICATION SECTION 42410. EXISTING ENTRANCE FRAMES TO REMAIN FOR REGLOADING. PATCH EXISTING LOCATIONS WHERE EQUIPMENT IS REMOVED TO MATCH EXISTING IN ALL ASPECTS, I.E. SIZE, TYPE, COLOR, ETC.
- 4 REMOVE EXISTING CAB INTERIOR FINISHES COMPLETELY, INCLUDING BUT NOT LIMITED TO, HANDRAILS, WALL GLAZING, CEILING, AND LIGHTING. PREPARE TO RECEIVE NEW FINISHES.
- 5 REMOVE EXISTING HOISTWAY DOORS AND OPERATING COMPONENTS.

DEMOLITION KEY:



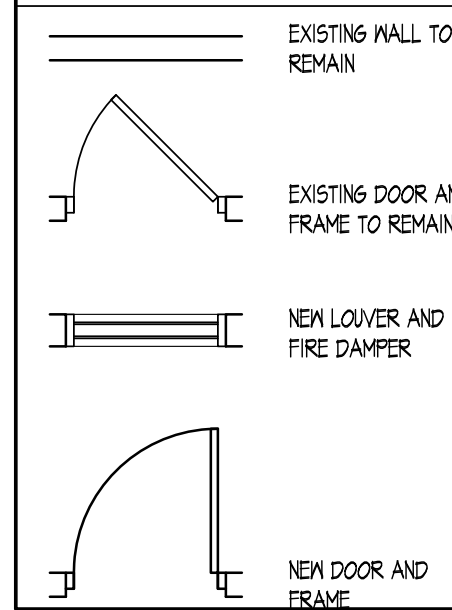
TYPICAL DEMOLITION GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED FOR INSTALLATION OF NEW WORK. DEMOLITION PLANS ARE FOR GRAPHICAL INFORMATION ONLY AND MAY NOT INDICATE COMPLETE EXTENT OF DEMOLITION/REMOVAL REQUIRED TO PREPARE SPACE FOR INSTALLATION OF NEW WORK.
2. AREAS OF DEMOLITION DENOTED BY DASHED LINES.
3. THE CONTRACTOR SHALL RETURN ALL SALVAGEABLE MATERIAL AND/OR EQUIPMENT NOTED TO BE REMOVED ON SHEET A11 TO THE OWNER. THE OWNER SHALL STORE SALVAGEABLE MATERIAL AND/OR EQUIPMENT AT THEIR DISCRETION. THE CONTRACTOR SHALL DISPOSE OF ALL NON-SALVAGEABLE MATERIALS IN ACCORDANCE WITH LOCAL CODES.
4. THE CONTRACTOR SHALL CONSULT WITH THE ARCHITECT ON ANY CONCEALED CONDITIONS UNCOVERED DURING DEMOLITION THAT IMPEDES THE EXECUTION OF THE DESIGN AS INDICATED ON THE DRAWINGS.
5. ALL AREAS OF DEMOLITION SHALL BE PATCHED OR REPAIRED AS REQUIRED.
6. COORDINATE DEMOLITION WITH PROPOSED NEW CONSTRUCTION INCLUDING CEILING, LIGHTS, POWER, DATA, SPRINKLER HEADS, WALLS, DOORS, FRAMES, HARDWARE, FINISHES, ETC.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE BUILDING AT ALL TIMES AND TO PROVIDE AND BE RESPONSIBLE FOR SHORING AND BRACING REQUIRED THROUGHOUT THE CONSTRUCTION PERIOD.
8. ANY ITEMS NOT NOTED TO BE DEMOLISHED, BUT REQUIRING REMOVAL, IN ORDER TO ACCOMPLISH THE REQUIRED DEMOLITION WORK, SHALL BE REINSTALLED OR REPLACED IN KIND IN LOCATION DIRECTED BY OWNER UPON COMPLETION OF THE NEW CONSTRUCTION UNLESS OTHERWISE NOTED.
9. JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. ANY AREAS DAMAGED BY THE DEMOLITION AND/OR CONSTRUCTION WORK SHALL BE REPAIRED AND/OR RECEIVE NEW SUBSTRATES, FINISHES, AND/OR MATERIALS TO MATCH THE EXISTING AFFECTED ITEMS. ANY REPAIR OR REPLACEMENT WORK SHALL BE PERFORMED TO A LEVEL OF QUALITY EQUAL TO THAT FOUND PRIOR TO BEGINNING WORK ON THIS PROJECT.
11. THE SELECTIVE DEMOLITION AS SHOWN ON THE DRAWINGS IS DIAGNOSTIC, AND IN NO WAY ATTEMPTS TO SHOW ALL EXISTING FIXTURES, CONNECTIONS AND FITTINGS, AND OTHER MISCELLANEOUS ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING/COORDINATING ALL MISCELLANEOUS DEMOLITION AS REQUIRED DUE TO FIELD CONDITIONS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL THE CONTAINMENT OF DUST AND DEBRIS DURING THE DEMOLITION PERIOD AND SHALL OBTAIN ALL REQUIRED PERMITS AND COORDINATE WITH THE COUNTY BUILDING DEPARTMENT THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. DAILY SITE CLEANING WILL BE REQUIRED WITH ADDITIONAL CLEANING IF REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.
13. PRIOR TO BEGINNING DEMOLITION, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A DEMOLITION PLAN OUTLINING THE DESIRED PLACEMENT OF DUMPSTERS, DUST AND DEBRIS CONTROL MEASURES AND SCHEDULE OF ACTIVITIES. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO EACH DEMOLITION ACTIVITY.
14. PROVIDE TEMPORARY COVER OR PARTITIONS TO PROTECT EXIST. BUILDINGS DURING CONSTRUCTION FROM EXPOSURE TO AND DAMAGE FROM THE ELEMENTS.
15. EXISTING FINISHES SPECIFICALLY NOT CALLED OUT TO BE REMOVED ARE TO REMAIN (PAINT, FLOORING, ETC.). PREPARE EXISTING SURFACES FOR APPLICATION OF NEW FINISHES AS REQUIRED BY MANUFACTURER RECOMMENDATIONS.
16. SEE MECHANICAL, PLUMBING, & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

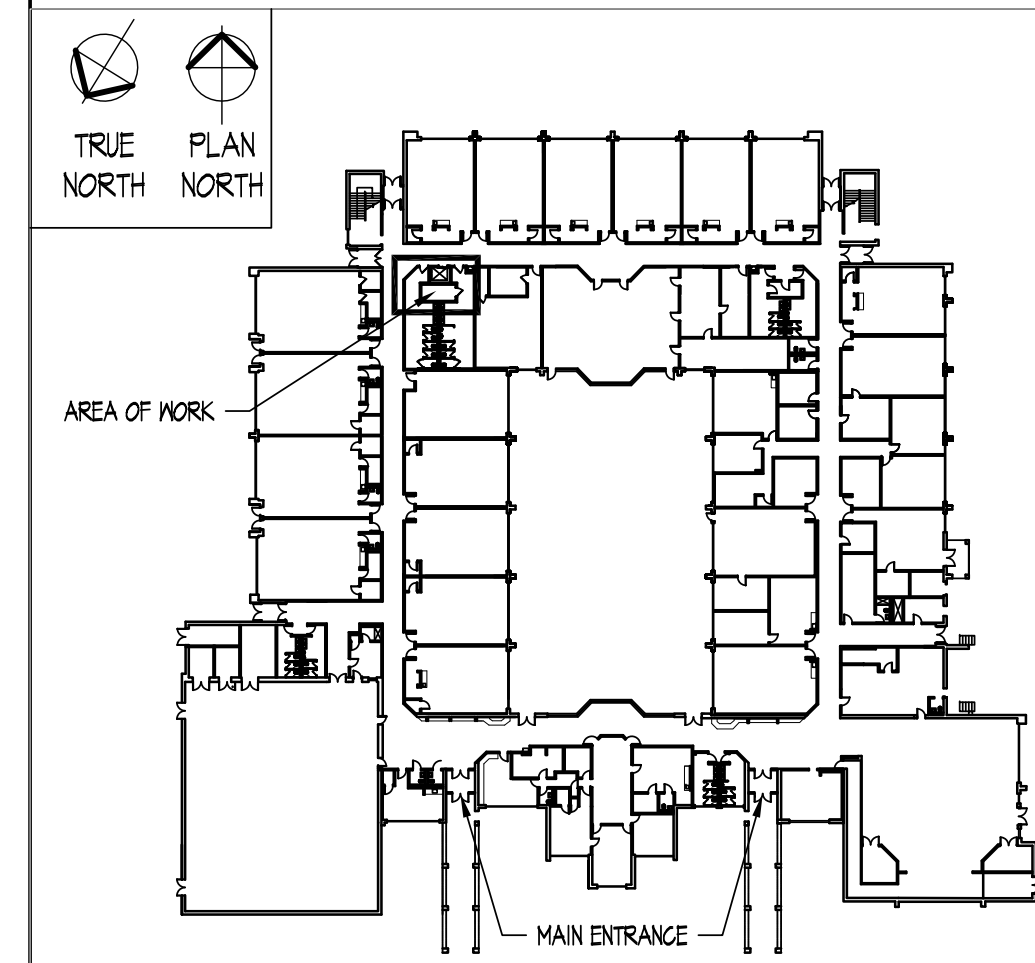
SELECTIVE PROPOSED NOTES:

- 1 INSTALL NEW STAINLESS STEEL ELEVATOR DOOR JAMB WRAP OVER EXISTING METAL ELEVATOR ENTRANCE FRAME. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION. PROVIDE SEALANT AT ALL INTERSECTIONS WITH DISSIMILAR MATERIALS.
- 2 PROVIDE NEW ADA-COMPLIANT CORRIDOR BUTTONS, PANELS, LANTERNS, & CALL STATION. PROVIDE COMPLIANT EVACUATION AND JAMB SIGNAGE. REPAIR ALL SURFACES TO MATCH EXIST. SEE INTERIOR ELEVATIONS.
- 3 NEW DOOR PANELS, SEE SPECIFICATION SECTIONS FOR EXTENT OF NEW ELEVATOR DOOR WORK.
- 4 PROVIDE NEW FINISHES WITHIN THE ELEVATOR CAB, INCLUDING BUT NOT LIMITED TO; FLOORING, CEILING, AND WALL FINISHES. INSTALL NEW ELEVATOR CAB ACCESSORIES, GRAB RAILS, LIGHTING, COMMUNICATION EQUIPMENT, AND CONTROLS PER SPECIFICATIONS.
- 5 INSTALL NEW HYDRAULIC ELEVATOR MACHINE ROOM EQUIPMENT, INCLUDING BUT NOT LIMITED TO; MOTION CONTROLLERS, DRIVE MACHINES, WIRING, ETC. PER SPECIFICATION. INSTALL NEW SPLIT-SYSTEM HVAC UNIT, SEE MEP DRAWINGS FOR INFORMATION.
- 6 INSTALL NEW POWER & LIGHTING @ ELEVATOR SHAFT, SEE ELECTRICAL DRAWINGS FOR INFORMATION.
- 7 MODIFY OR REPLACE EXISTING STL. PIT LADDER AS REQUIRED TO FULLY COMPLY WITH CURRENT CODES, INCLUDING; GRAB BARS 48" ABOVE SILL, RINGS AT LEAST 12" WIDE, AND A RING ADJACENT TO FLUSH WITH ENTRANCE SILL.

PROPOSED KEY:



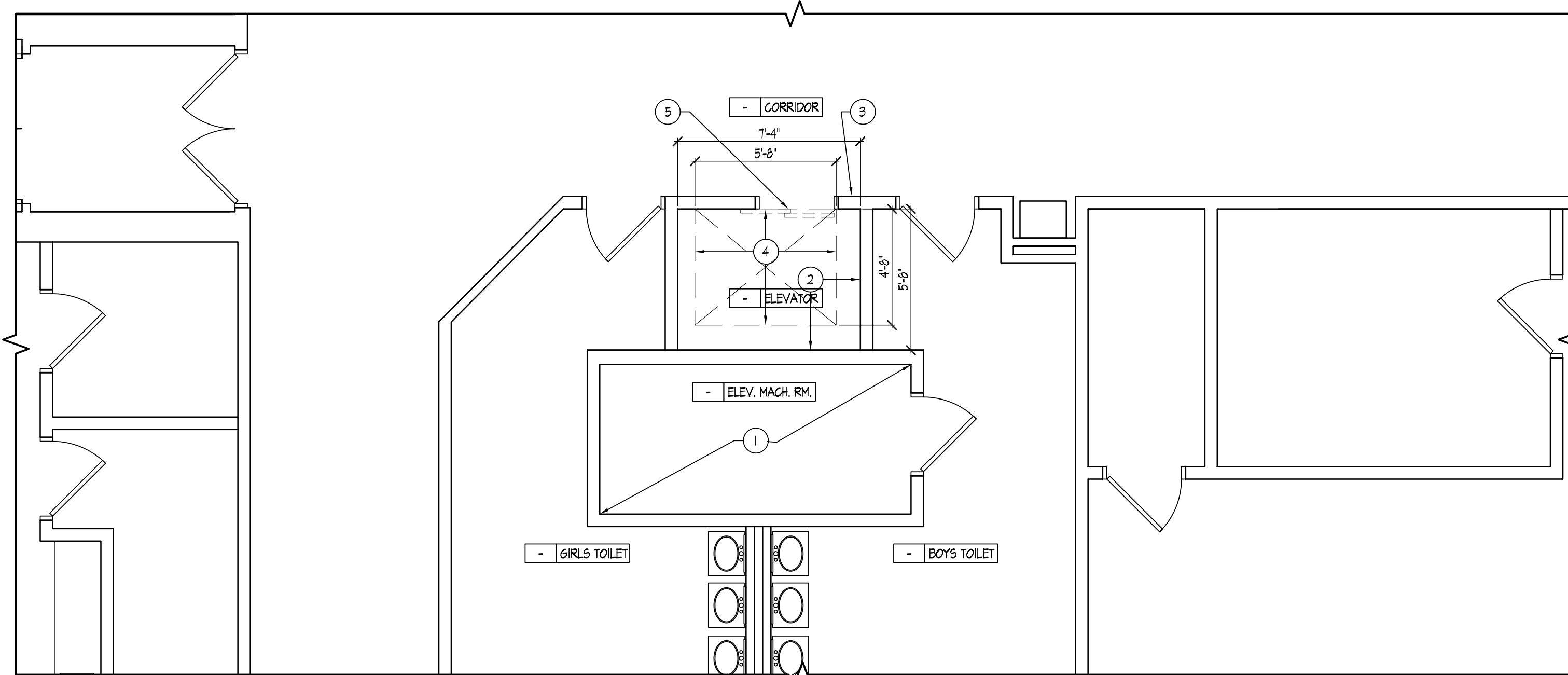
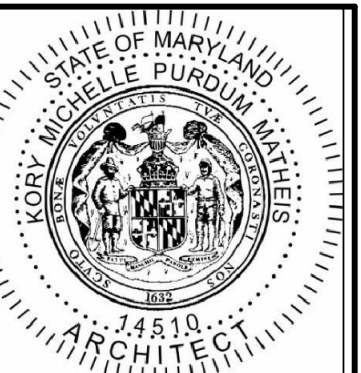
BUILDING KEY PLAN: (NTS)



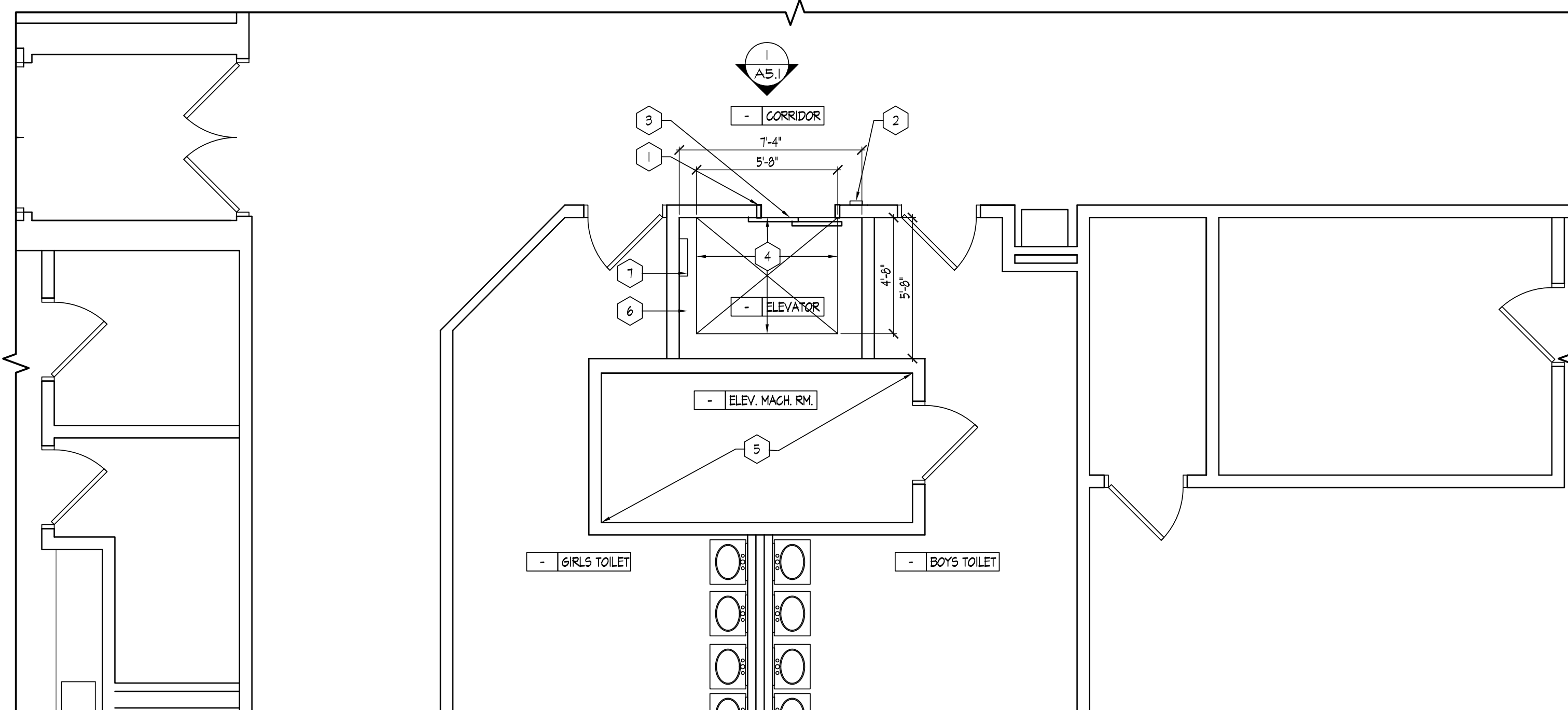
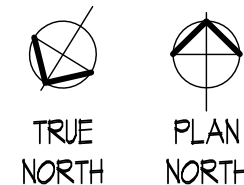
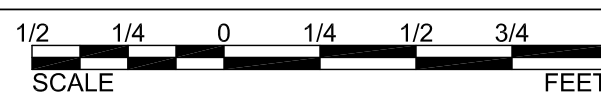
Proffitt & Assoc.
ARCHITECTS

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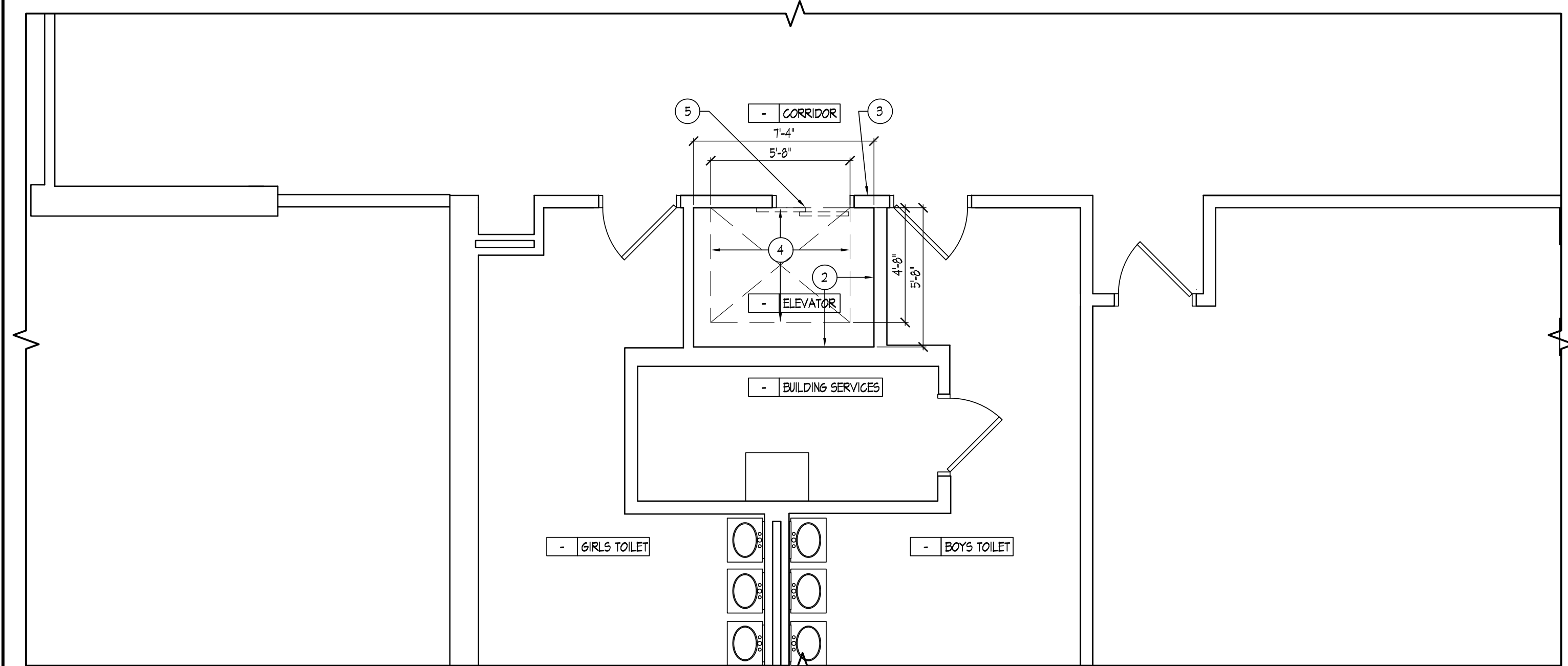
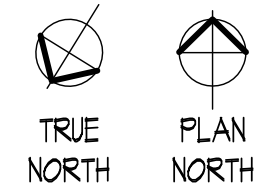
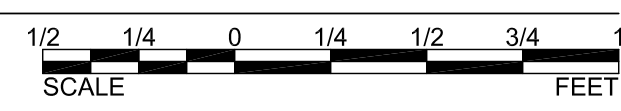
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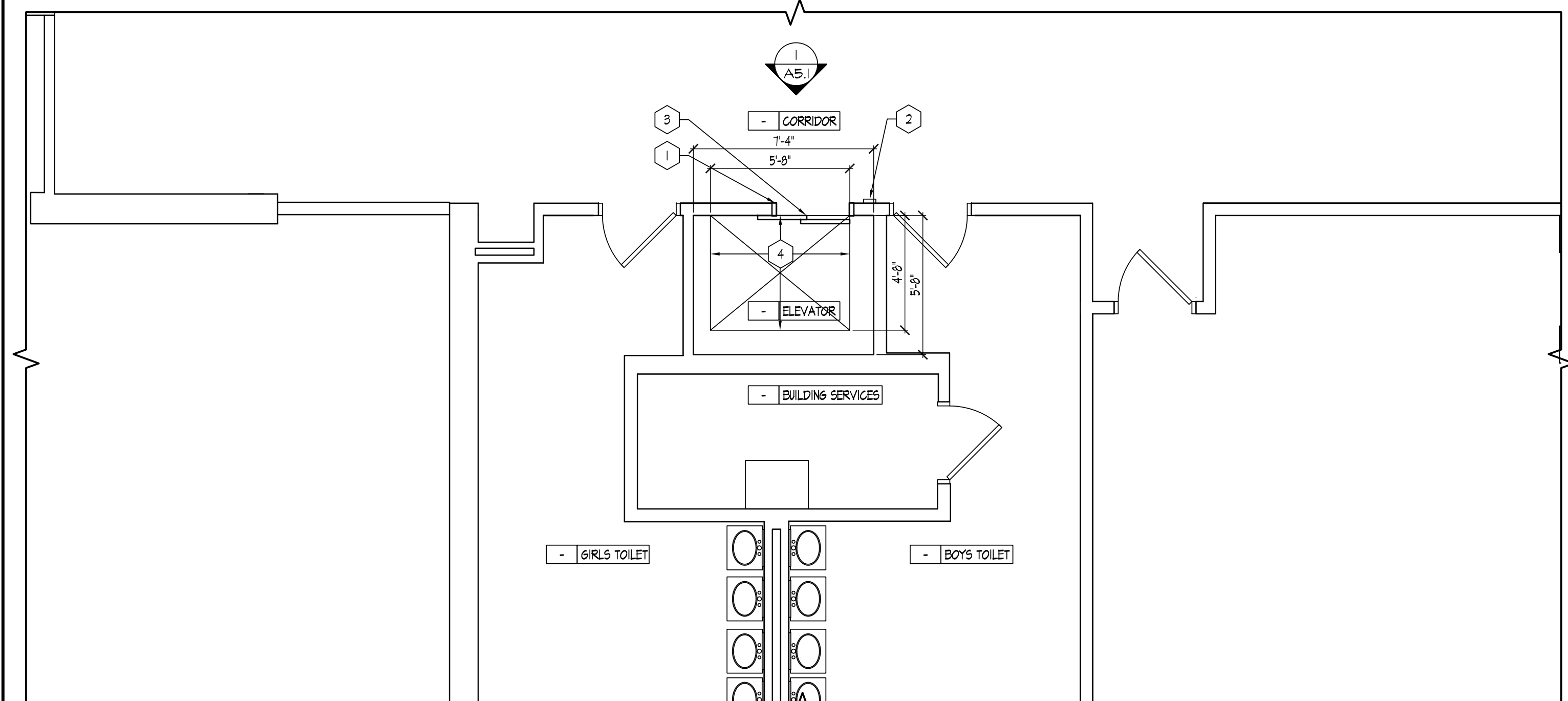
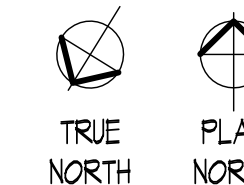
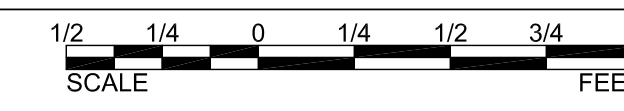
1
A1.1 EXISTING / DEMOLITION FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



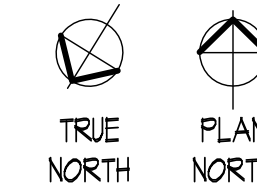
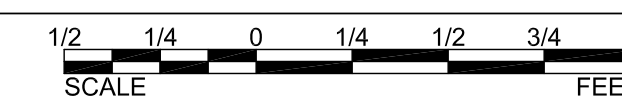
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A1.1 PROPOSED FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



3
A1.1 EXISTING / DEMOLITION SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



4
A1.1 PROPOSED SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



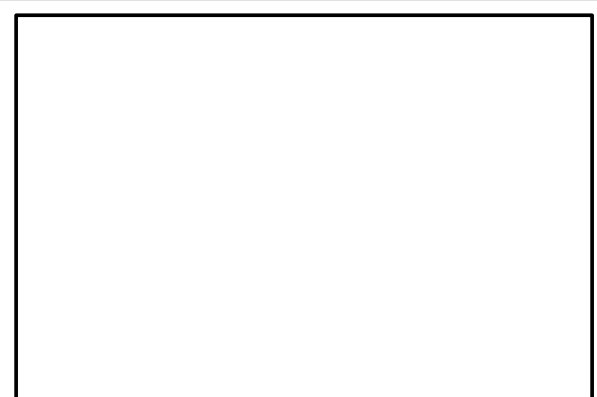
ELEVATOR MODERNIZATION FOR:
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MONTGOMERY COUNTY PUBLIC SCHOOLS
2700 SPARTAN ROAD
OLNEY, MD 20832
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CONSTRUCTION DOCUMENTS

ISSUE		
REV	DATE	DESCRIPTION

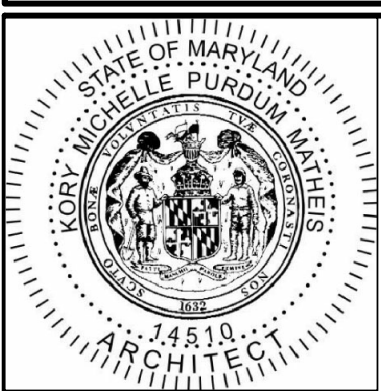
PROJECT NO.: 18-12.25
DATE: 01/20/2021
EXISTING / DEMOLITION & PROPOSED FLOOR PLANS

A1.1



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 info@proffittandassociates.com

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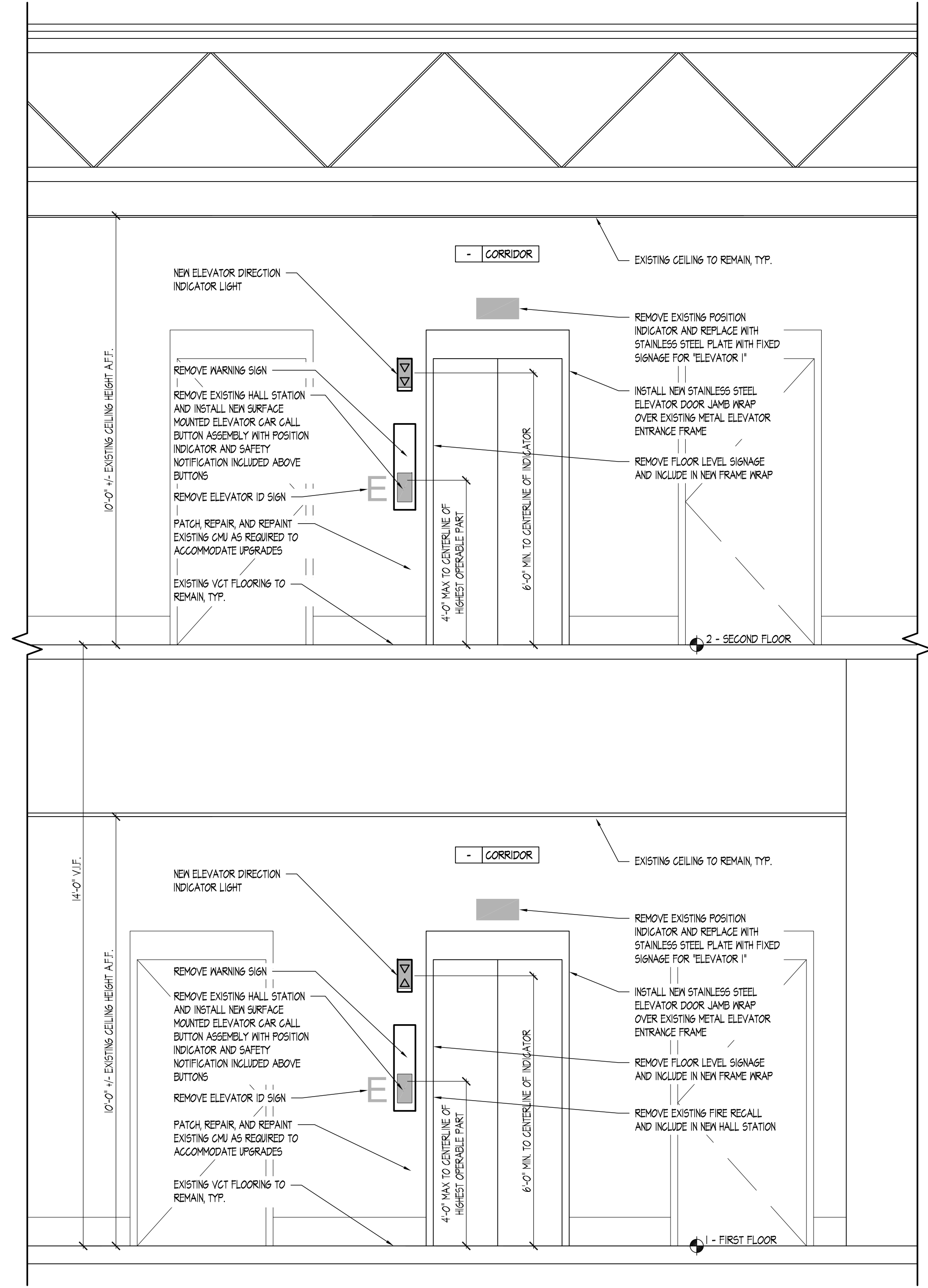
ELEVATOR MODERNIZATION FOR:
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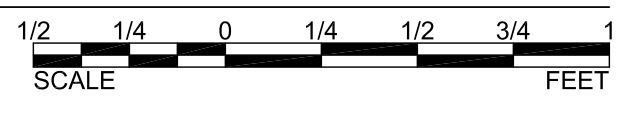
INTERIOR ELEVATION

A5.1



NOTE: NEW ELEVATOR CORRIDOR FIXTURES SHALL BE SIZED & INSTALLED TO FULLY COVER AREAS WHERE EXISTING FIXTURES ARE REMOVED. ALL NEW CORRIDOR FIXTURES & SIGNAGE SHALL COMPLY WITH APPLICABLE CODES AND SHALL BE ADA-COMPLIANT. NEW ADA-COMPLIANT ROOM SIGNAGE SHALL BE MOUNTED W/BASELINE OF LOWEST TACTILE CHARACTER 48" MIN. A.F.F. & BASELINE OF HIGHEST TACTILE CHARACTER 60" MAX. A.F.F.

1 INTERIOR ELEVATION - ELEVATOR LOBBY
 A5.1 SCALE: 1/2" = 1'-0"



ELECTRICAL LEGEND:
(MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE UON)

GENERAL NOTES:

- THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE DRAWINGS OF ALL OTHER TRADES ON THE PROJECT. ELECTRICAL OR SYSTEMS CONNECTIONS INDICATED ON ARCHITECTURAL, MECHANICAL, CIVIL, STRUCTURAL, KITCHEN AND ALL OTHER DRAWINGS WHICH ARE PART OF THIS PROJECT, SHALL BE CONSIDERED A PART OF THIS CONTRACT AND SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AT NO EXTRA COST TO THE OWNER.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND AS SUCH SHALL NOT BE SCALED. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEVICES AND EQUIPMENT AND DIMENSIONAL INFORMATION PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN OF SERVICE EQUIPMENT AND WIRING.
- COORDINATE MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS AND CASEWORK DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ROUTING OF WIRING AND CONDUITS AND SHALL BE RESPONSIBLE FOR SIZING ALL BRANCH CIRCUIT WIRING TO LIMIT VOLTAGE DROP TO 3%. CONTRACTOR SHALL SIZE CONDUIT TO ACCOMMODATE WIRING PER NEC. 20 AMPERE CIRCUITS SHALL BE SIZED AS FOLLOWS:

20 AMPERE CIRCUITS				
120 VOLT		277 VOLT		MINIMUM CONDUIT SIZE
WIRING LENGTH	WIRE SIZE	WIRING LENGTH	WIRE SIZE	
0' - 60'	#12	0' - 130'	#12	3/4"
60' - 100'	#10	130' - 210'	#10	
100' - 150'	#8	210' - 340'	#8	
150' - 240'	#6	340' - 540'	#6	3/4"
OVER 240'	#4	OVER 540'	#4	1"




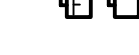

NOTES:
BRANCH CIRCUITS IN PANELBOARDS WITH 200% RATED NEUTRAL BUS AND ALL DIMMED LIGHTING CIRCUITS & ECM MOTORS SHALL HAVE DEDICATED NEUTRAL CONDUCTORS.

- WIRING AND CONDUIT SIZES INDICATED IN PANEL SCHEDULES ARE MINIMUM ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT WIRING AND CONDUIT SIZES. CONTRACTOR SHALL PROVIDE SPLICE BLOCKS AND REDUCING PINS AS REQUIRED TO TERMINATE WIRING AND MAKE FINAL CONNECTIONS.
- ELECTRICAL BOXES IN FIRE RATED PARTITIONS SHALL NOT EXCEED 16 SQUARE INCHES IN AREA (IF 4"x4"), SHALL BE MADE OF STEEL, AND SHALL BE SUCH THAT THE CUMULATIVE AREA OF BOX "CUTOUPS" IN THE FIREWALL DOES NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL AREA. ELECTRICAL BOXES ON OPPOSITE SIDES OF THE SAME FIREWALL SHALL BE SEPARATED BY A HORIZONTAL AND VERTICAL DISTANCE OF NOT LESS THAN 24 INCHES. THE ELECTRICAL CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS, AS NECESSARY, TO ELECTRICAL BOX LOCATIONS TO ENSURE COMPLIANCE WITH THIS REQUIREMENT SINCE BOX LOCATIONS ARE TYPICALLY NOT DIMENSIONED ON THE DRAWINGS. CONSULT ARCHITECT IF CLARIFICATION IS REQUIRED.
 - NEW WALLS ARE SHADED ON THE FLOOR PLANS, EXISTING WALLS ARE NOT SHADED. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING MOUNTING OF DEVICES WITH WALL TYPE.




DEMOLITION NOTES:

- DEMOLITION DRAWING IS DIAGRAMMATIC IN NATURE. NO ATTEMPT HAS BEEN MADE TO SHOW ALL EXISTING ELECTRICAL WORK IN AREAS INDICATED TO BE RENOVATED. ALL EXISTING ELECTRICAL WORK IS TO BE REMOVED UNLESS OTHERWISE NOTED. WHEN AN ITEM IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED ELECTRICAL WORK BACK TO POINT OF SOURCE. CONTRACTOR TO VISIT SITE TO SURVEY EXISTING CONDITIONS PRIOR TO BID.
- WHERE WORK PASSES THROUGH THE RENOVATION AREA TO SERVE OTHER PORTIONS OF THE BUILDING, OR WORK IN THE RENOVATION AREA INDICATED TO REMAIN, IT SHALL BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL. COORDINATE ANY OUTAGES WITH OWNER 7 DAYS IN ADVANCE.
- WORK INDICATED TO REMAIN SHALL BE SUITABLY PROTECTED AGAINST DAMAGE.
- ALL REMOVED DEVICE WALL PENETRATIONS SHALL BE PATCHED AND PAINTED TO MATCH EXISTING WALL COLOR OR FINISH PER ARCHITECT'S DIRECTION.



POWER

-  PANELBOARD; RECESSED, SURFACE MOUNTED; MOUNT AT 5-6" AFF TO TOP OF PANEL.
-  PANELBOARD; RECESSED, SURFACE MOUNTED; MOUNT AT 5-6" AFF TO TOP OF PANEL.
-  MOTOR; AS NOTED
-  SAFETY DISCONNECT SWITCH; FUSED, NONFUSED IN NEMA 1 ENCLOSURE UON; MOUNT AT 48" AFF UON; RATING AND FUSING AS NOTED
-  JUNCTION BOX; CEILING, WALL MOUNTED


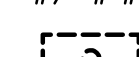


CONDUIT

-  HOMERUN TO PANELBOARD; REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES
-  BRANCH CIRCUIT CONDUIT AND WIRING CONCEALED IN CEILING OR WALL SPACE, OR SURFACE MOUNTED WHERE NO CEILING OR WALL SPACE EXISTS; REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES
-  BRANCH CIRCUIT CONDUIT AND WIRING IN SLAB, UNDER FLOOR OR UNDERGROUND; REFER TO PANEL SCHEDULES FOR MINIMUM WIRE AND CONDUIT SIZES

OUTLETS

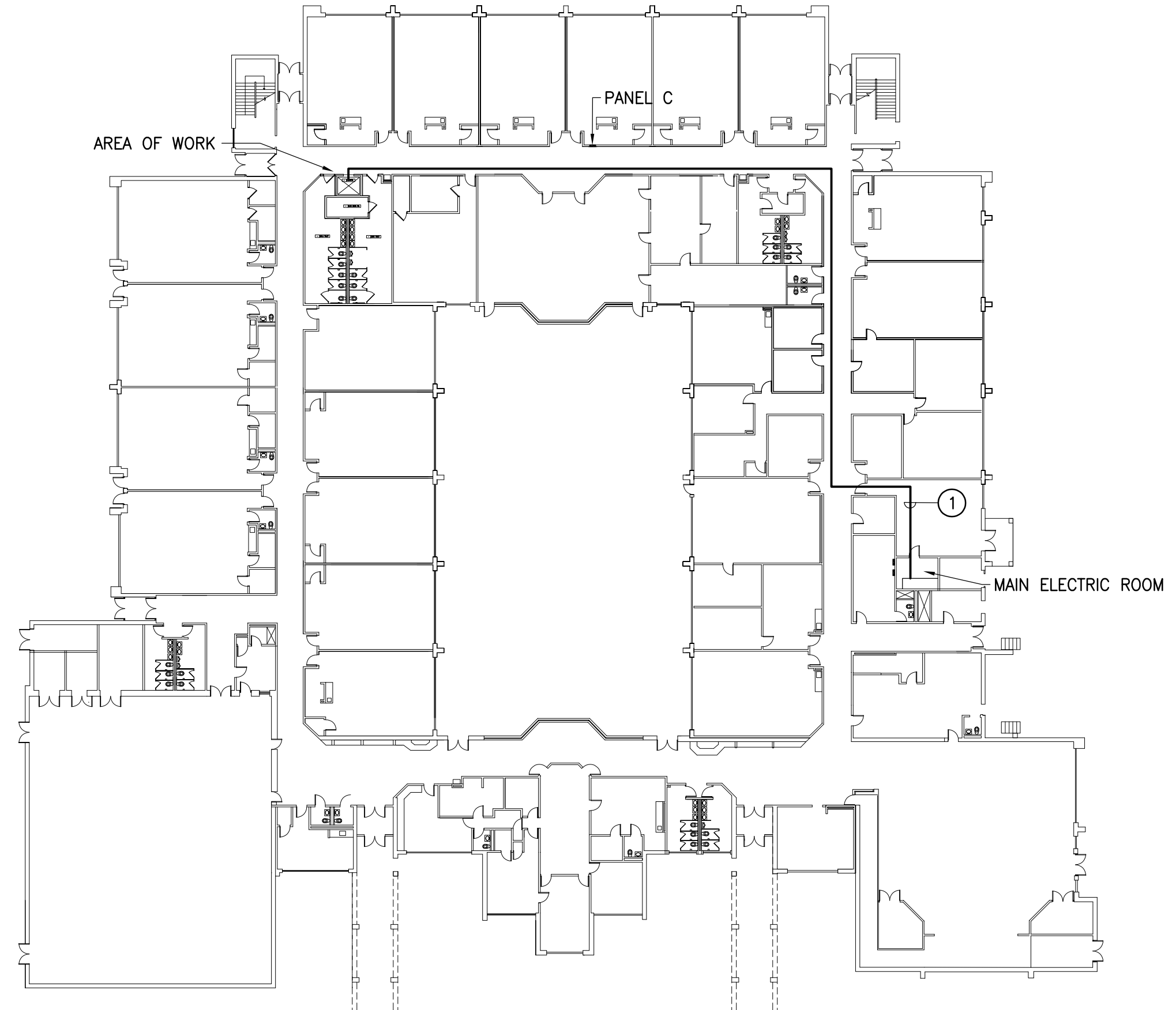
-  DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, NEMA 5-20R; MOUNT AT 18" AFF UON.
-  DUPLEX RECEPTACLE; 2P, 3W, 20A, 125V, NEMA 5-20R; GROUND FAULT INTERRUPTING CIRCUIT MOUNT AT 18" AFF UON.

MISCELLANEOUS

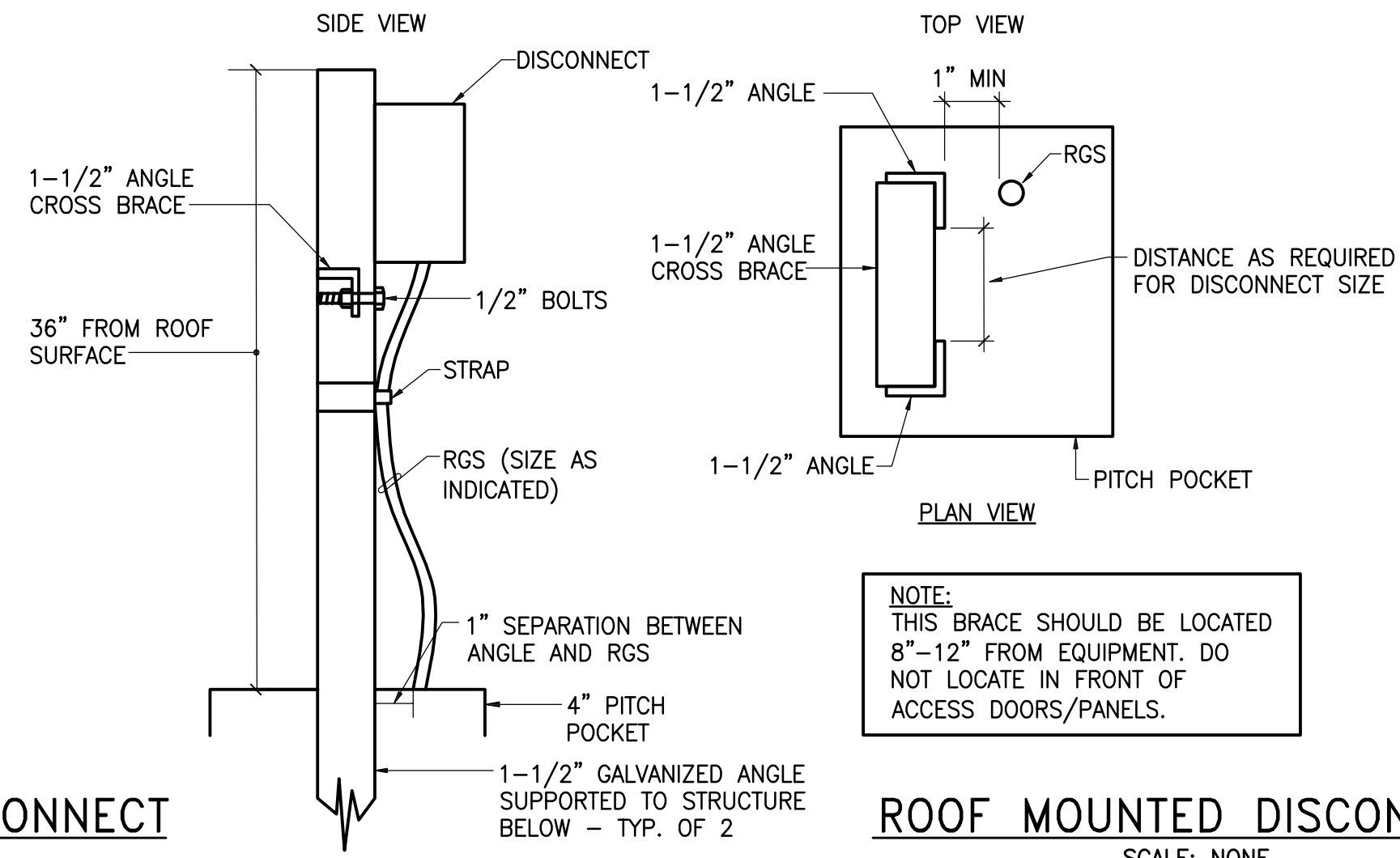
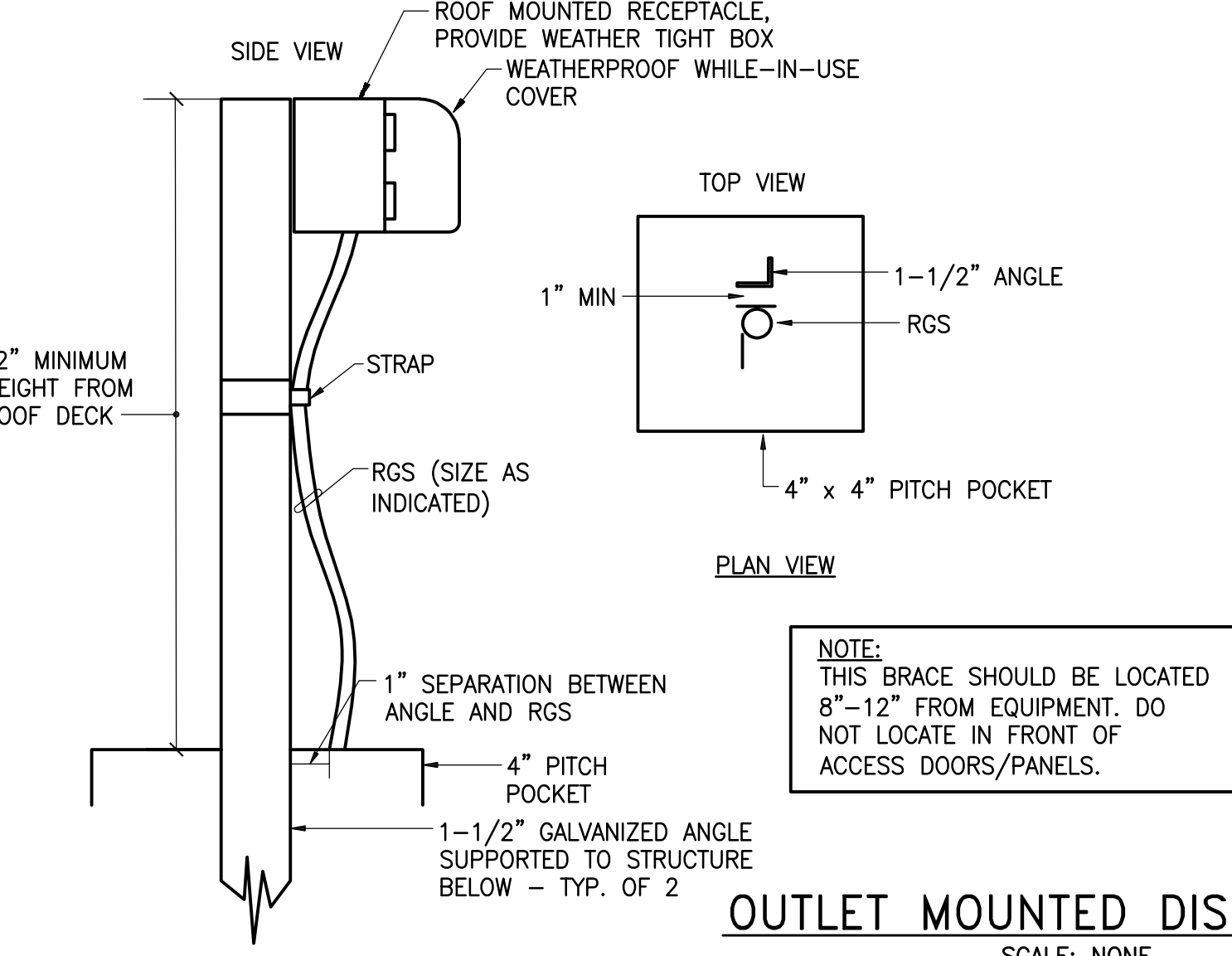
-  REFERENCE TO DRAWING NOTE
-  DETAIL REFERENCE: DETAIL NUMBER/DRAWING NUMBER
-  ITEMS SHOWN DASHED/HEAVY ARE TO BE REMOVED
-  ITEMS SHOWN SOLID/LIGHT ARE EXISTING TO REMAIN

ABBREVIATIONS:

- | | |
|--|---|
| A AMPERE, AMPERES | MCA MINIMUM CIRCUIT AMPERES |
| AFF ABOVE FINISHED FLOOR | MCB MAIN CIRCUIT BREAKER |
| AHU AIR HANDLING UNIT | MDF MAIN DISTRIBUTION FRAME |
| AIC AMPERE INTERRUPTING CAPACITY | MLO MAIN LUGS ONLY |
| ATS AUTOMATIC TRANSFER SWITCH | MPOP MAIN POINT OF PRESENCE |
| AWG AMERICAN WIRE GAUGE | MSB MAIN SWITCHBOARD |
| CATV CABLE TELEVISION | MTD MOUNTED |
| CCTV CLOSED CIRCUIT TELEVISION | MH MOUNTING HEIGHT/MANHOLE |
| CONDUIT | NEC NATIONAL ELECTRICAL CODE |
| CB CIRCUIT BREAKER | NEMA NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION |
| DWG DRAWING | NF/SS NONFUSED SAFETY SWITCH |
| ECB ENCLOSED CIRCUIT BREAKER | NO NUMBER |
| EF EXHAUST FAN | OC ON CENTERS |
| EPO EMERGENCY POWER OFF | P POLE, POLES |
| ETR EXISTING TO REMAIN | Ø PHASE |
| EWC ELECTRIC WATER COOLER | PNL PANEL |
| EX EXISTING | PVC POLYVINYL CHLORIDE |
| FAAP FIRE ALARM ANNUNCIATOR PANEL | RAF RETURN AIR FAN |
| FACP FIRE ALARM CONTROL PANEL | RGS RIGID GALVANIZED STEEL |
| FLA FULL LOAD AMPERES | RX REMOVE EXISTING |
| FSS FUSED SAFETY SWITCH | SPD SURGE PROTECTION DEVICE |
| G GROUND | TYP TYPICAL |
| GFEF GROUND FAULT EQUIPMENT PROTECTION | UH UNIT HEATER |
| GFI GROUND FAULT INTERRUPTING | V VOLT, VOLTS |
| HOA HAND-OFF-AUTOMATIC | VR VANDALL RESISTANT |
| HP HORSEPOWER | WP WEATHERPROOF |
| HWH HOT WATER HEATER GENERATOR | W WATTS, WIRE, WIRES |
| IDF INTERMEDIATE DISTRIBUTION FRAME | XFMR TRANSFORMER |
| IMC INTERMEDIATE METAL CONDUIT | TTB TELEPHONE TERMINAL BOARD |
| KCMIL THOUSAND CIRCULAR MILS | UTP UNSHIELDED TWISTED PAIR |
| KVA KILOVOLT-AMPERES | UON UNLESS OTHERWISE NOTED |
| KW KILOWATT | |
| LRA LOCKED ROTOR AMPERES | |



PROPOSED ROUTING OF NEW ELEVATOR FEED
SCALE: 1/32" = 1'-0"



GENERAL NOTES:

- PROVIDE ALL PROGRAMMING BY CERTIFIED HONEYWELL REPRESENTATIVE, TO INTERFACE WITH NEW ELEVATOR CONTROLS AS REQUIRED.

DRAWING NOTES:

- ① **CONTRACTOR OPTION:**
- REUSE EXISTING CONDUIT AND PULL (3) #2 + #6GW TO CONNECT TO NEW DISCONNECT AT SAME LOCATION.
 - PROVIDE (3) #2 + #6GW - 1-1/4". ELECTRICAL CONTRACTOR SHALL INSTALL RUN ABOVE CEILING AND MAINTAIN ALL EXISTING CEILING DEVICES AT CURRENT LOCATIONS.

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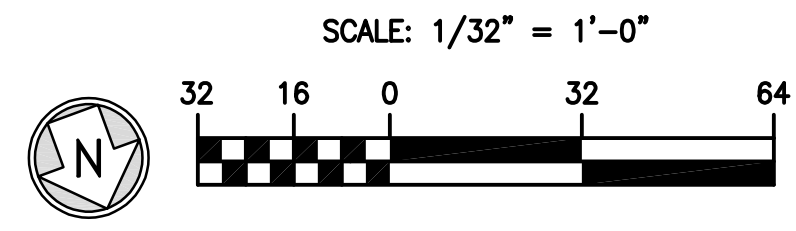
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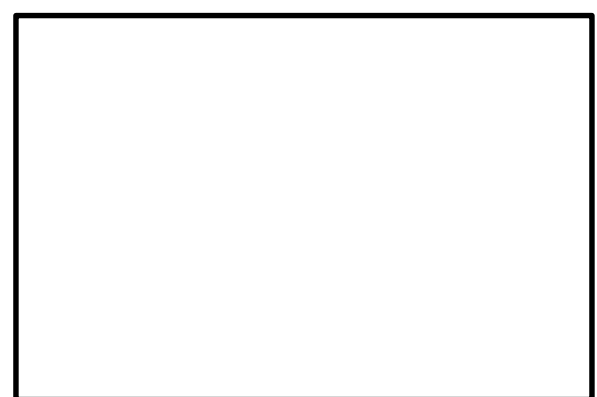
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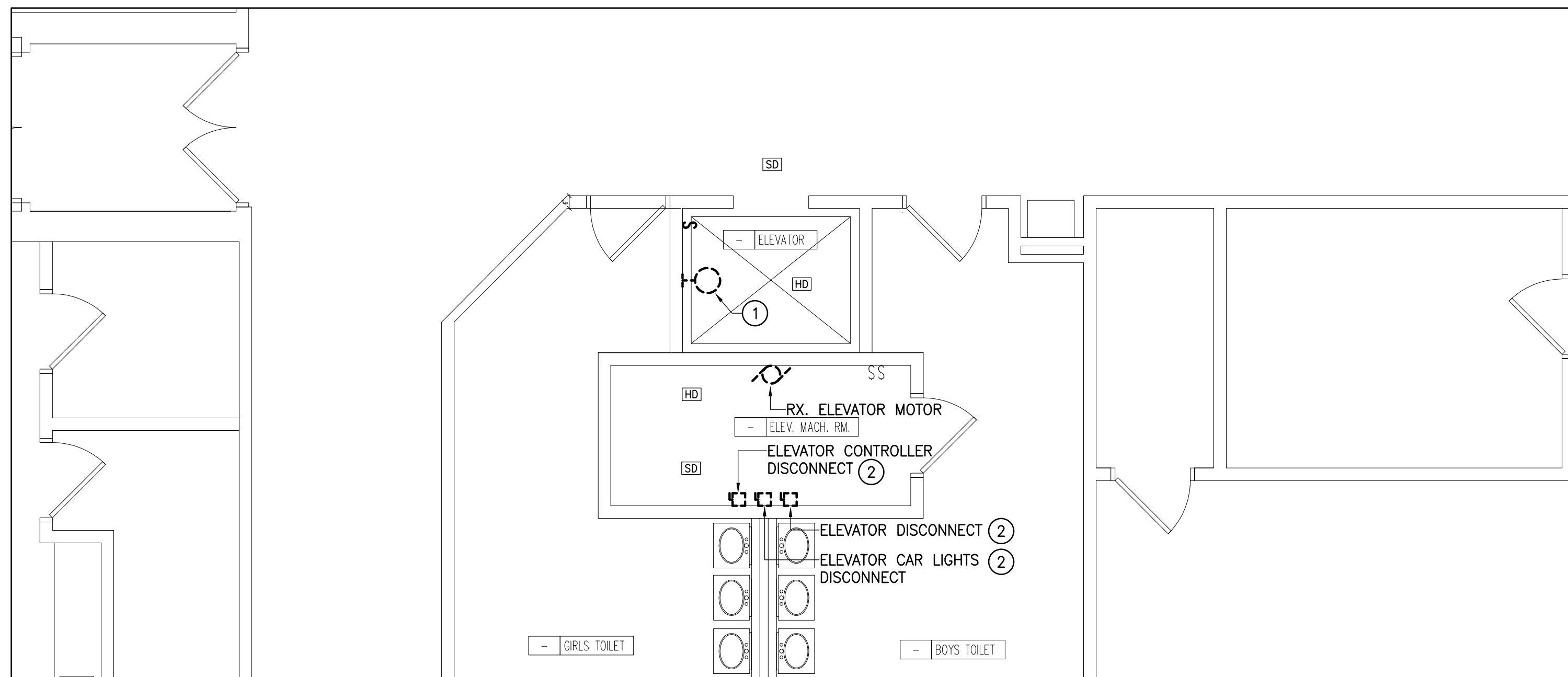
PROJECT NO.: 18-12-25
DATE: 01/11/2021
LEGEND, ABBREV., CONVENTIONS, & PROPOSED ROUTING
E0.1



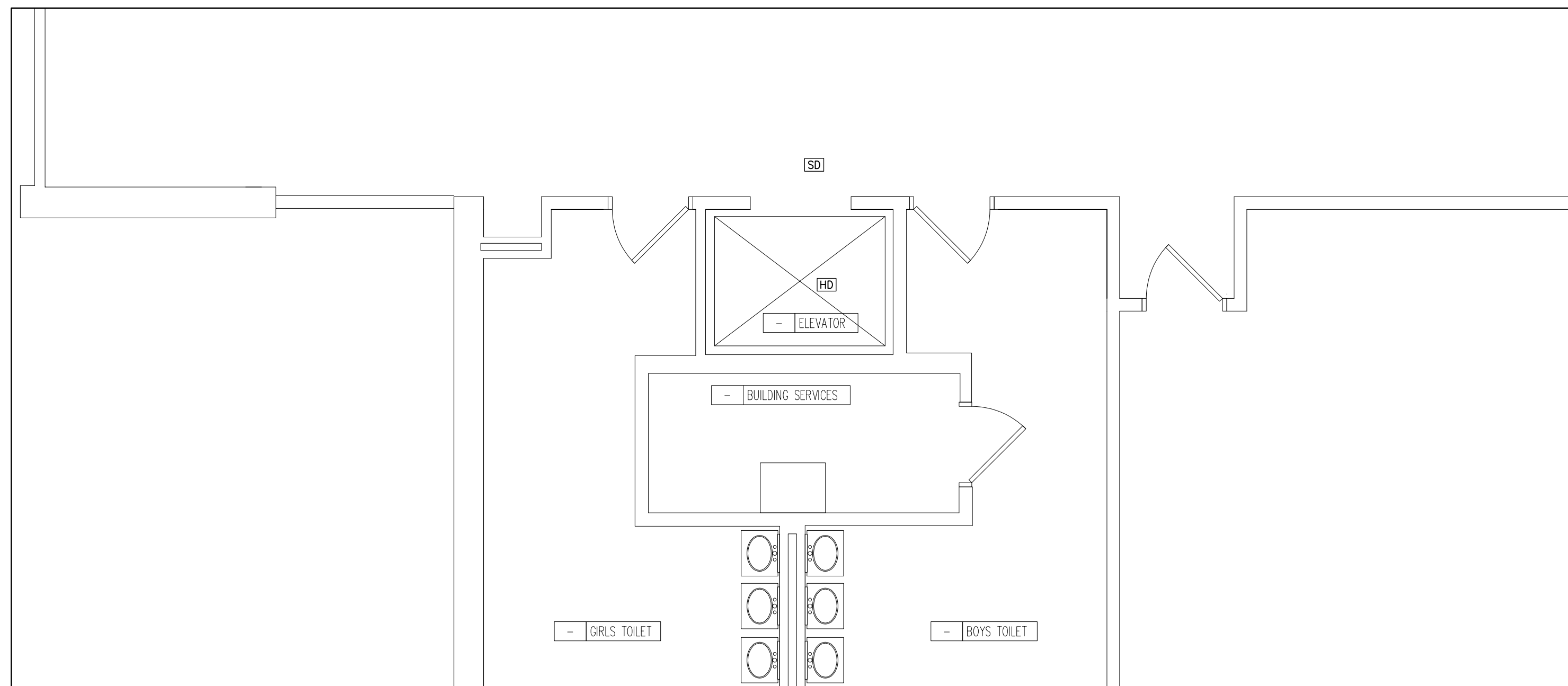


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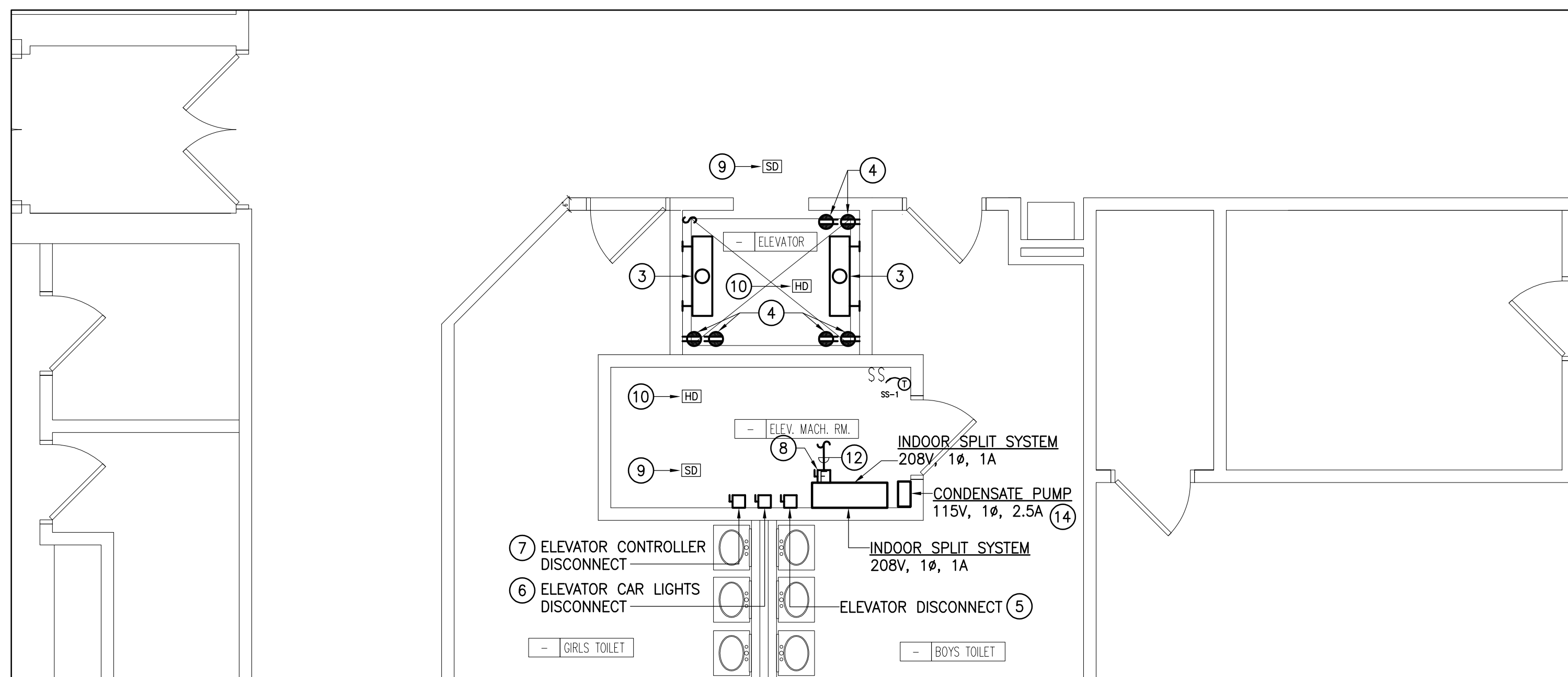
- ① RX. PIT LIGHTING AND MAINTAIN EXISTING CIRCUIT FOR RECONNECTION OF NEW LIGHTS.
- ② REMOVE DISCONNECT AND MAINTAIN EXISTING CIRCUIT FOR EXTENSION TO NEW EQUIPMENT.
- ③ METALUX 4VT2.LED4.4.FR50.x.UNV.x.L840.CD1.WL.SSL. PROVIDE TWO AT PIT LEVEL AND TOP OF ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER PRIOR TO ROUGH-IN. RECONNECT TO EXISTING CIRCUIT AHEAD OF RECEPTACLES.
- ④ GFCI/WP DUPLEX RECEPTACLES SHALL BE MOUNTED 2'-6" ABOVE BOTTOM OF ELEVATOR PIT AND 2'-6" BELOW TOP OF ELEVATOR SHAFT. RECONNECT TO EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- ⑤ PROVIDE 3P-200A-F/SS (FUSED PER MANUFACTURER'S NAMEPLATE DATA) AT SAME LOCATION. MAKE ALL CONNECTIONS AS REQUIRED TO NEW ELEVATOR.
- ⑥ PROVIDE 2P-30A-F/SS (FUSED AT 20A) AT SAME LOCATION. MAKE ALL CONNECTIONS AS REQUIRED TO NEW ELEVATOR LIGHTS. PROVIDE CONNECTION VIA (2) #12 + #12GW - 3/4".
- ⑦ PROVIDE 2P-30A-F/SS (FUSED AT 20A). MAKE ALL CONNECTIONS AS REQUIRED TO NEW ELEVATOR CONTROLS. CONNECT TO EXISTING MAINTAINED CIRCUIT
- ⑧ PROVIDE 2P-30A-F/SS (FUSED PER MANUFACTURER'S NAMEPLATE DATA) IN NEMA 1 ENCLOSURE. MOUNT AT UNIT AND MAKE ALL CONNECTIONS TO EXTERIOR UNIT AS REQUIRED.
- ⑨ EXISTING ELEVATOR RECALL SMOKE DETECTOR. INTERLOCK WITH ELEVATOR CONTROLLER RECOMMENDED BY ELEVATOR MANUFACTURER.
- ⑩ EXISTING HEAT DETECTOR. INTERLOCK WITH SHUNT-TRIP OF ELEVATOR FEEDER CIRCUIT BREAKER FOR SHUT DOWN UPON INITIATION OF SPRINKLER SYSTEM.
- ⑪ REFER TO DETAIL ON DRAWING ED.1 FOR ADDITIONAL INFORMATION.
- ⑫ (2) #10 + #10GW - 3/4".
- ⑬ PROVIDE 2P-30A-F/SS (FUSED PER MANUFACTURER'S NAMEPLATE DATA) IN NEMA 4X STAINLESS STEEL ENCLOSURE. MOUNT AT UNIT AND CONNECT TO PANEL C VIA 2P-30A BREAKER WITH (2) #10 + #10GW - 3/4".
- ⑭ CONNECT TO PANEL C VIA 1P-15A BREAKER WITH (2) #10 + #10GW - 3/4". PROVIDE FRACTIONAL MANUAL MOTOR STARTER WITH GREEN PILOT LIGHT. MAKE ALL CONNECTIONS AS REQUIRED.
- ⑮ PATCH AND REPAIR ROOF WHERE REQUIRED TO INSTALL SPLIT SYSTEM HVAC UNIT. PROVIDE CRICKETS ON THE HIGH SIDE OF ANY NEW CURBS AS REQUIRED TO MAINTAIN DRAINAGE, SLOPE CRICKETS 1/2" FOOT MIN. PROVIDE 4"x3" STEEL ANGLE FRAME AND NEW ROOF DECK OPENING AND EXTEND TO SUPPORT FROM EXISTING JOISTS.



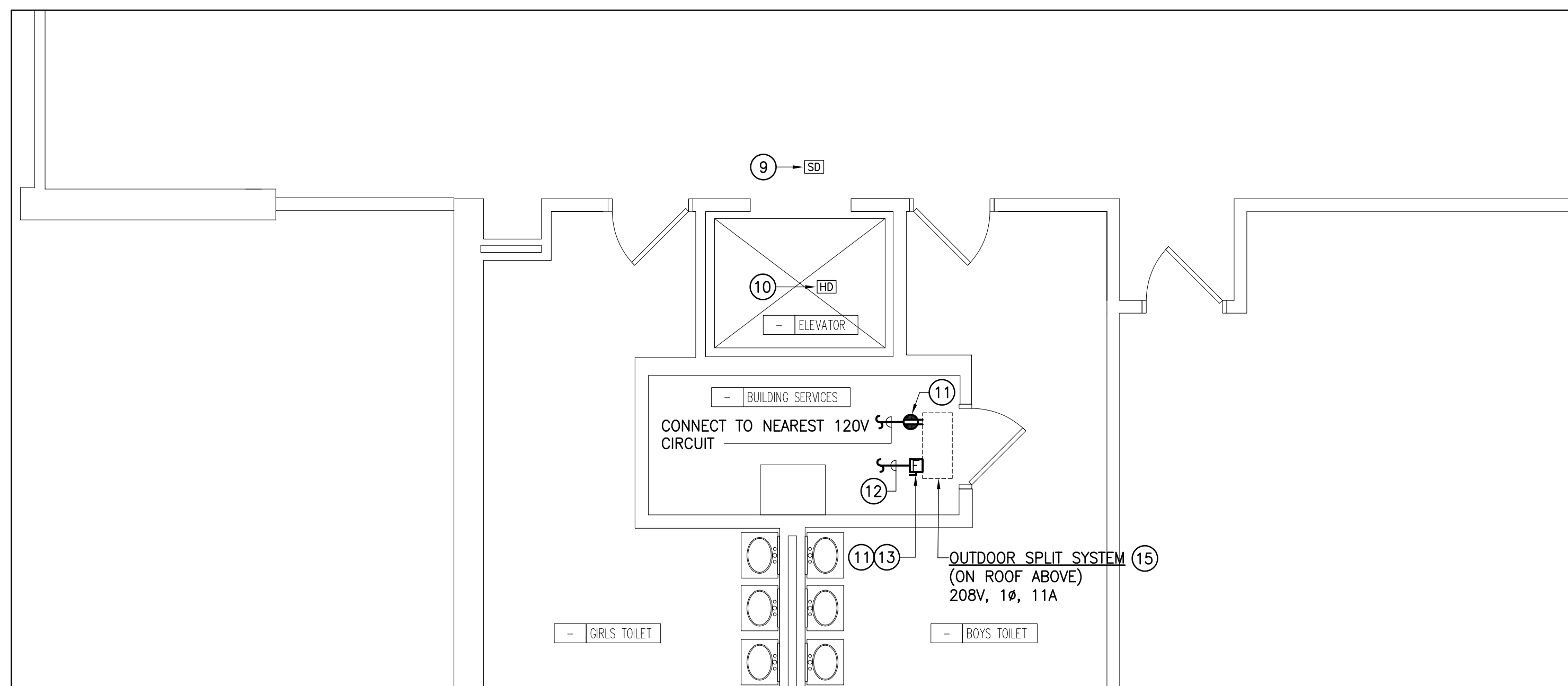
LOWER LEVEL FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



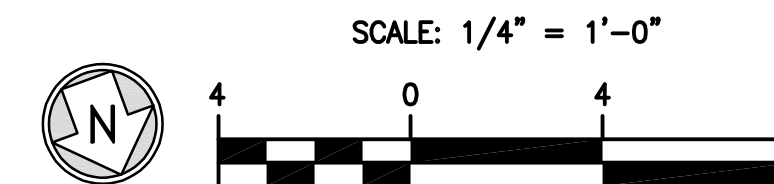
UPPER LEVEL FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



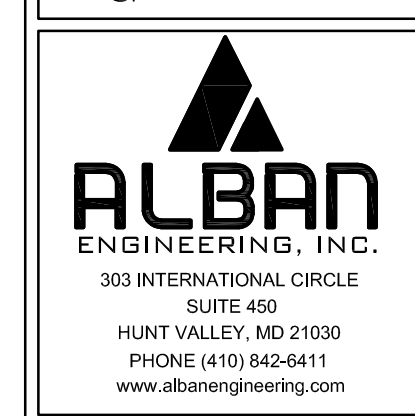
LOWER LEVEL FLOOR PLAN - POWER
SCALE: 1/4" = 1'-0"



UPPER LEVEL FLOOR PLAN - POWER
SCALE: 1/4" = 1'-0"



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PROJECT NO.: 18-12.25
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EXISTING / DEMOLITION & PROPOSED FLOOR PLANS
E1.1

CONSTRUCTION DOCUMENTS



GENERAL NOTES:

- PATCH AND REPAIR ROOF WHERE REQUIRED TO INSTALL SPLIT SYSTEM HVAC UNIT. PROVIDE CRICKETS ON THE HIGH SIDE OF ANY NEW CURBS AS REQUIRED TO MAINTAIN DRAINAGE. SLOPE CRICKETS 1/2" / FOOT MINIMUM. PROVIDE 4"x3" STEEL ANGLE FRAME AND NEW ROOF OPENING AND EXTEND TO SUPPORT FROM EXISTING JOISTS.

DRAWING NOTES:

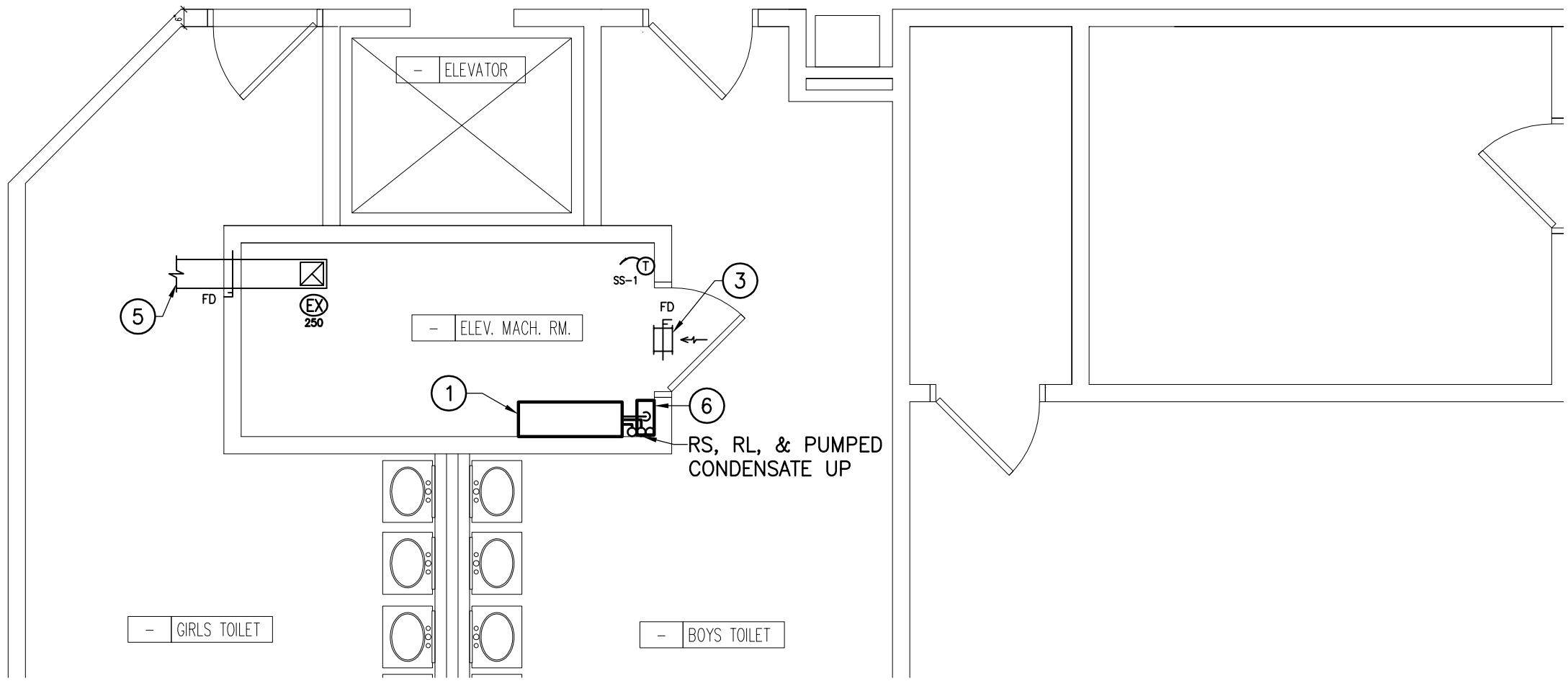
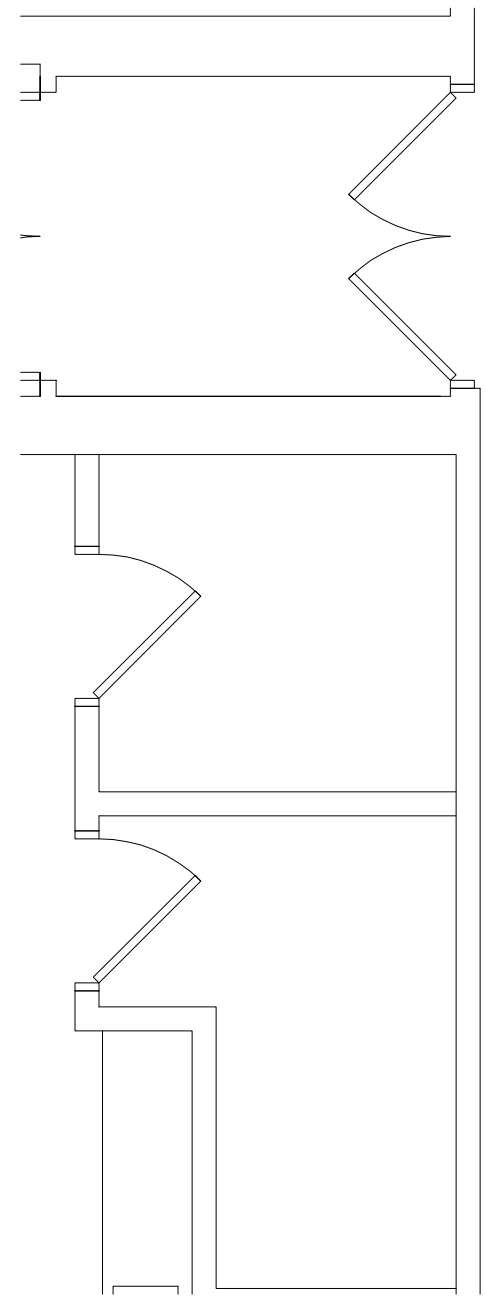
- SS-1 (EVAPORATOR)
425 CFM, 12,000 BTU/H COOLING CAPACITY
80°F DB EAT, 67°F WB EAT
36"x12"x10", 29 LBS
BASED ON MITSUBISHI MODEL PKA-A12HA7
PROVIDE WITH MAXIBLUE ADVANCED BLUE DIAMOND MINI CONDENSATE PUMP W/ RESEVOIR AND SENSOR (INTEGRAL TO UNIT)
- SS-1 (CONDENSER, ON ROOF)
95°F DB EAT
37"x16"x28", 100 LBS
208V/1φ/60Hz, 28A MOCB, 11A MCA
BASED ON MITSUBISHI MODEL PUY-A12NKAT
REFER TO DETAILS FOR SUPPORT INFORMATION
- EX 8x8 TRANSFER DUCT & GRILLES ABOVE DOOR
- RS, RL, & PUMPED CONDENSATE DN & UP TO ROOF IN PIPE ENCLOSURE
- EX 10x6 E/A DUCT
- CONDENSATE PUMP
MOUNT TO WALL
LARGE CAPACITY CONDENSATE PUMP W/ INTEGRAL TANK
BASED ON LITTLE GIANT MODEL VCL-24 ULS
115V/1φ/60Hz, 2.5 FLA, 148W



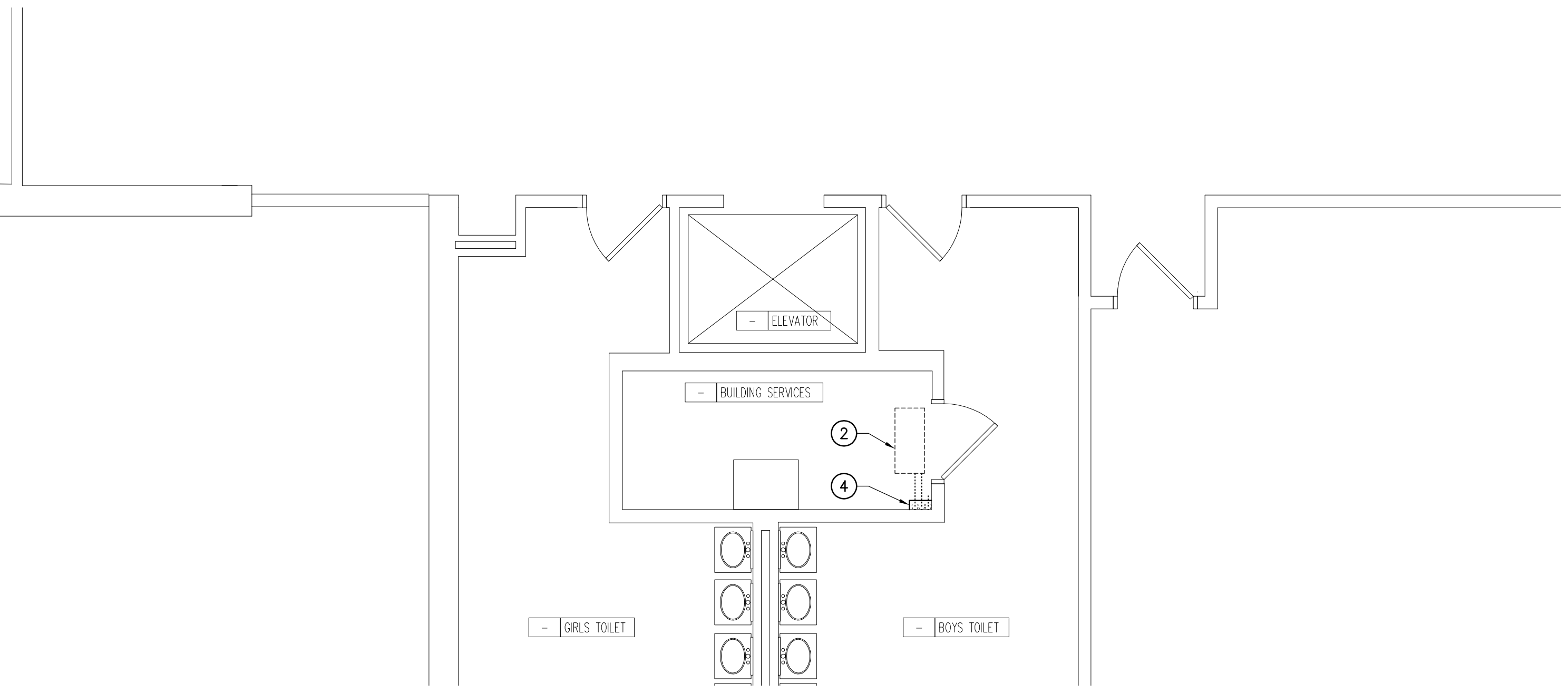
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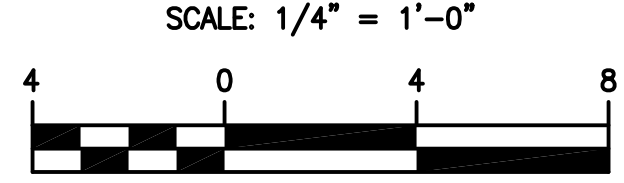
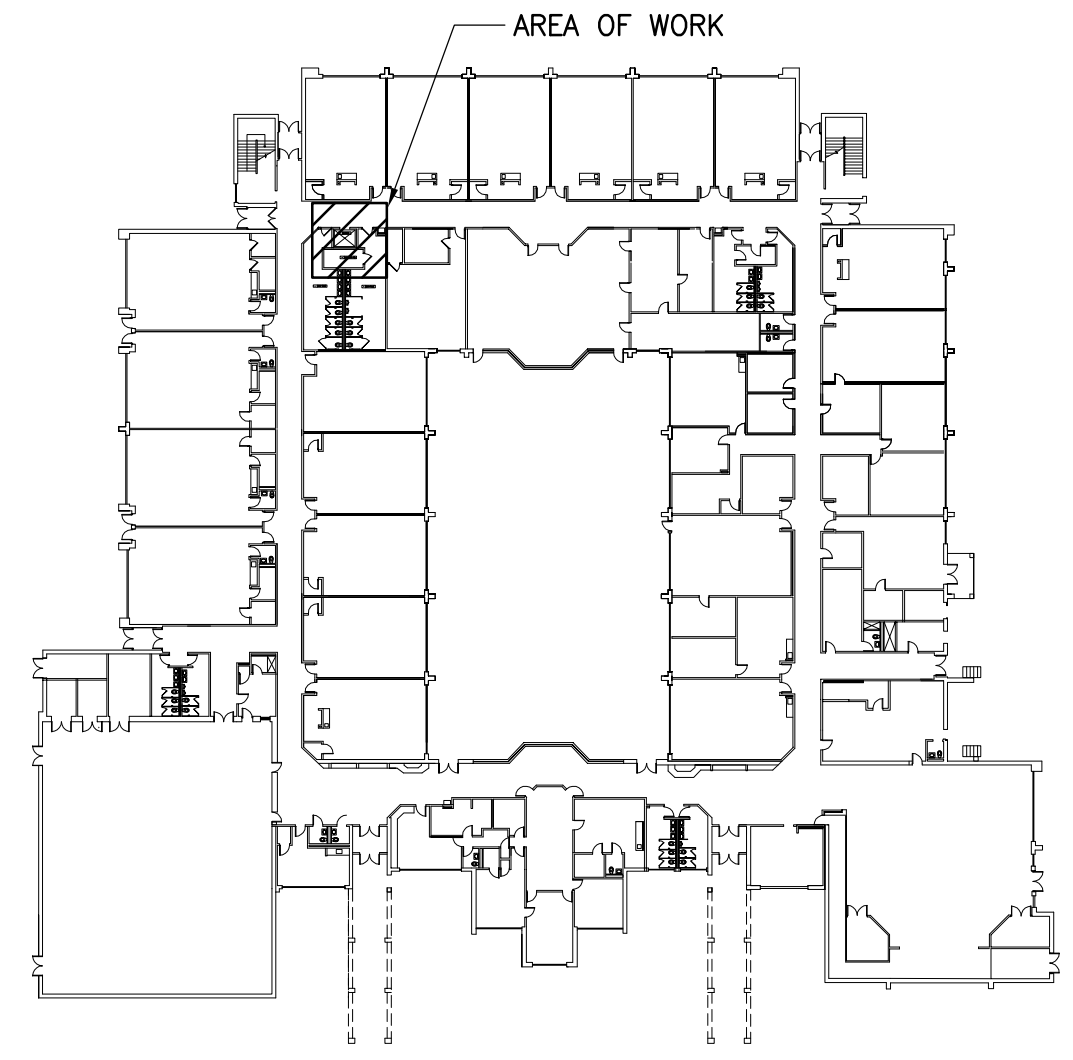
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LOWER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"



UPPER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"



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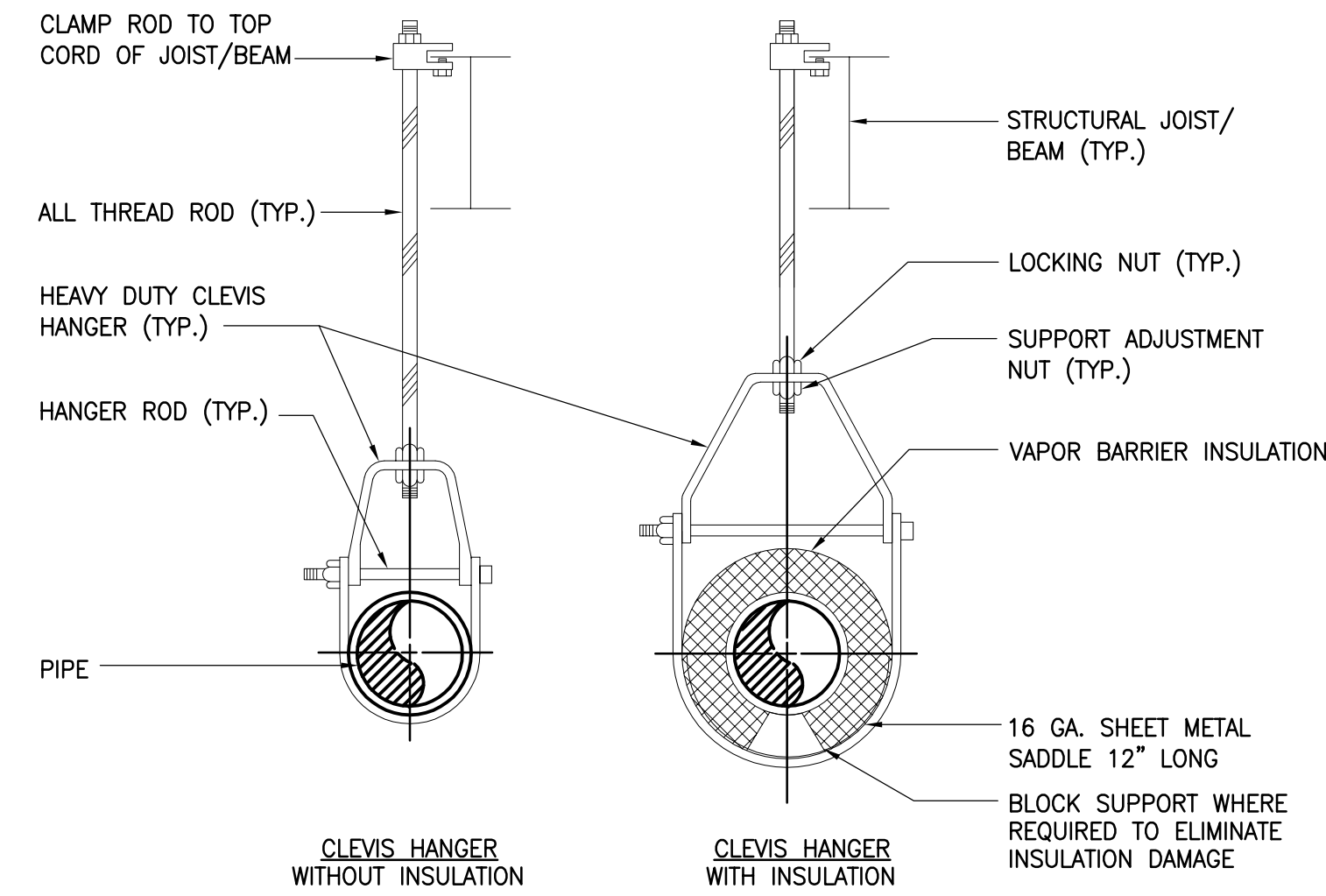
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MECHANICAL FLOOR PLANS

M1.1

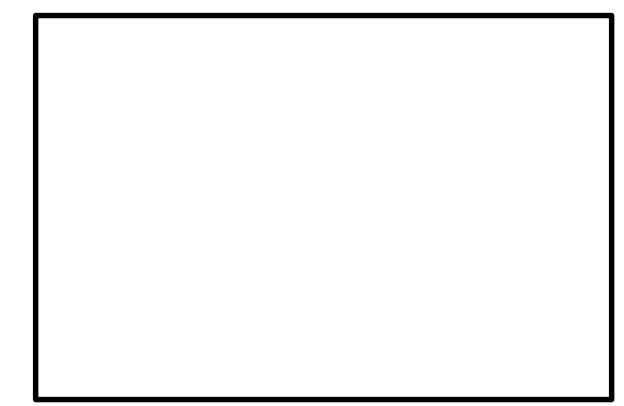
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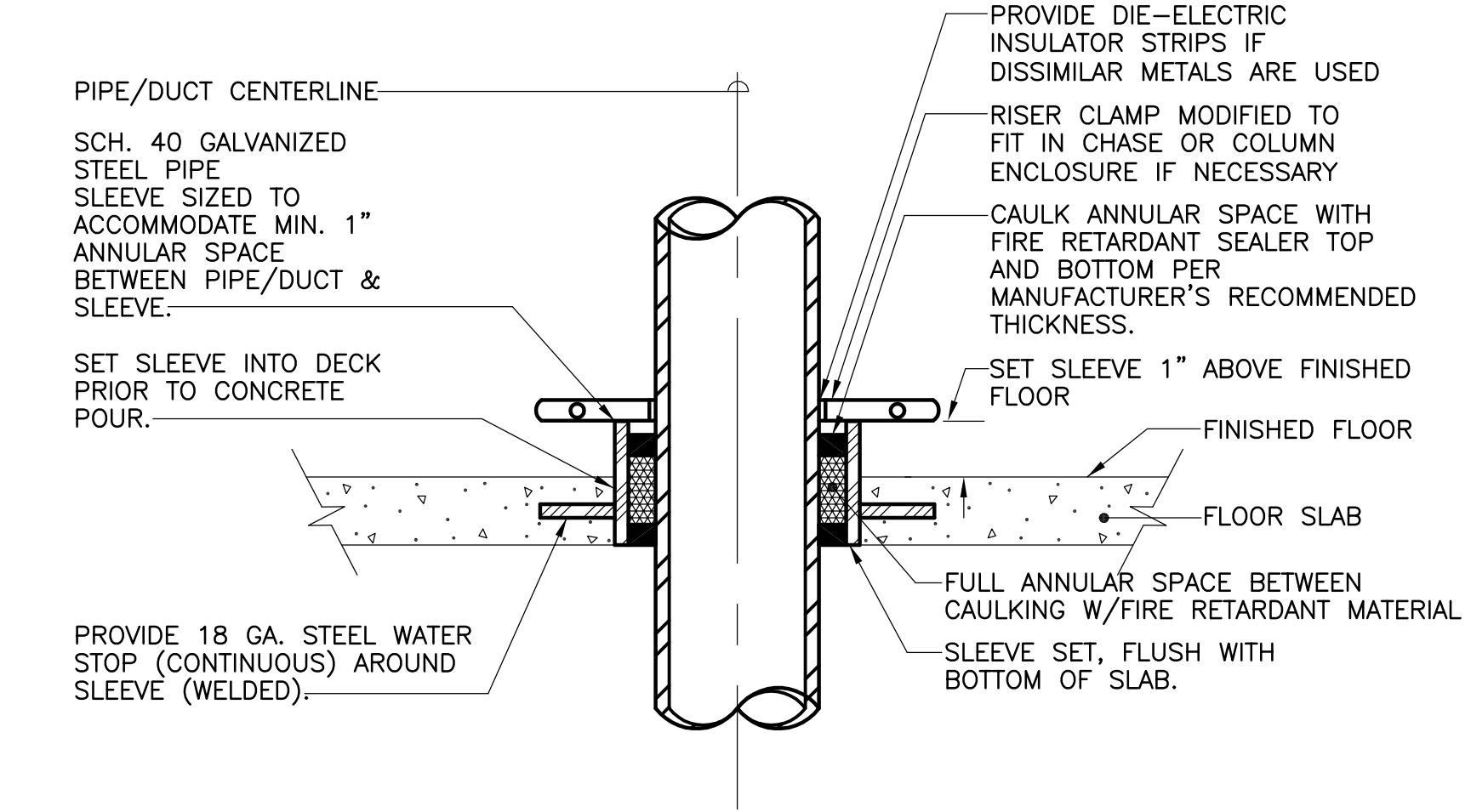
1 TYPICAL PIPE SUPPORT DETAIL

SCALE: NONE



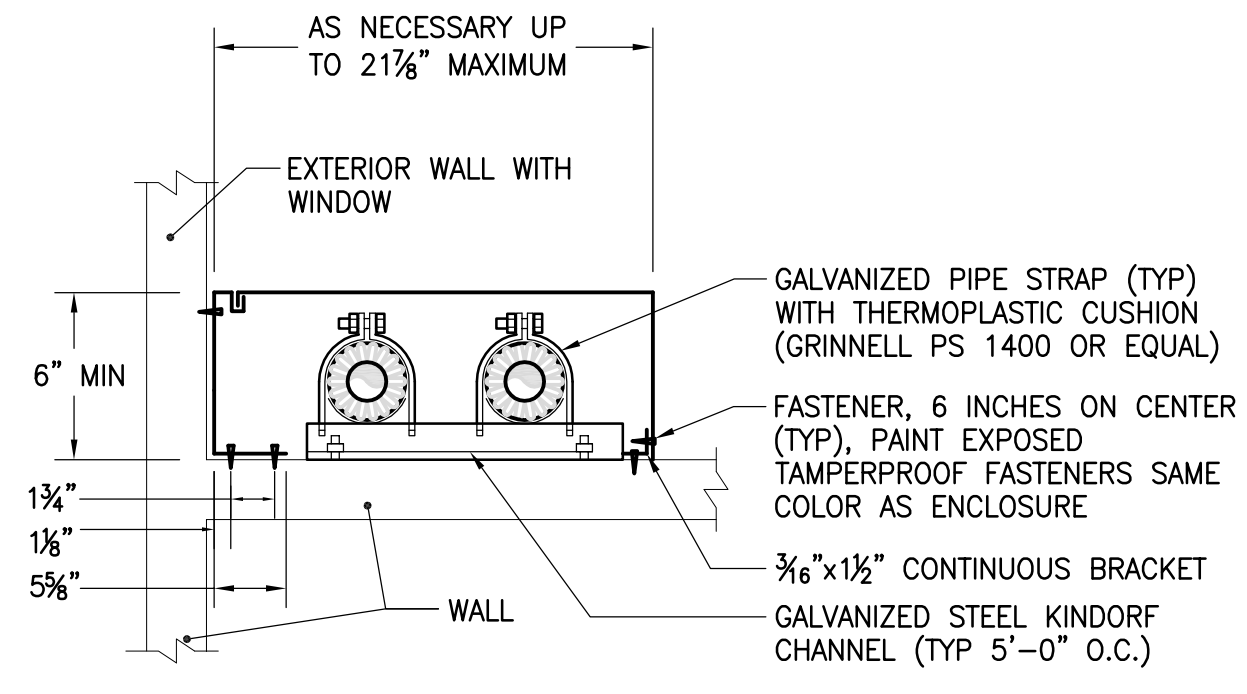
2 NOT USED

SCALE: NONE



3 TYPICAL SLEEVE THRU FLOOR DETAIL

SCALE: NONE

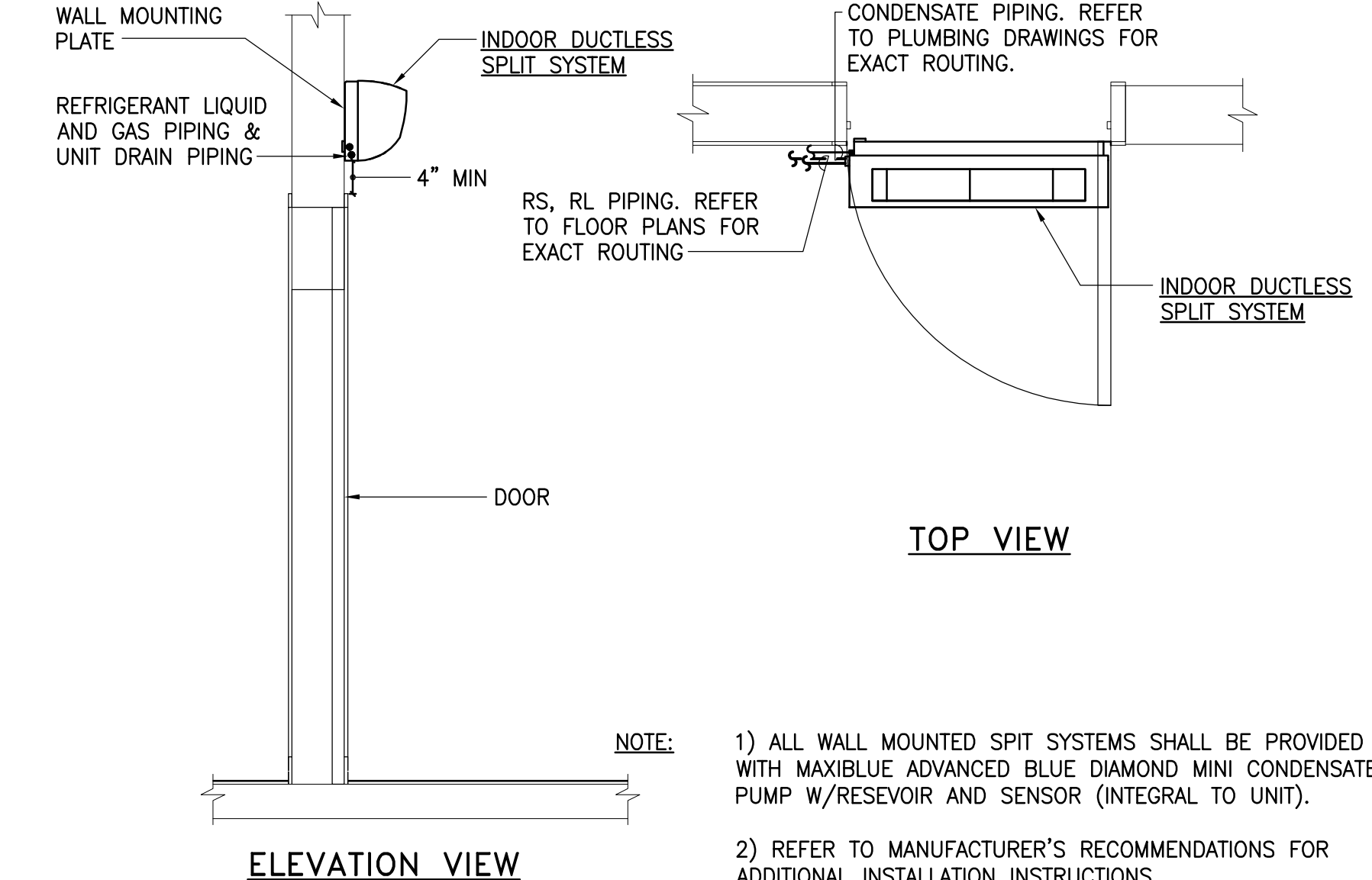


PLAN VIEW

- NOTES:
1. DETAIL SAME FOR HORIZONTAL AND VERTICAL PIPE ENCLOSURE
 2. FOR WALL MOUNTED HORIZONTAL ENCLOSURES, PROVIDE WALL MOUNTED FORKED BOTTOM BRACKET
 3. PIPE ENCLOSURE SHALL BE 14 GAUGE WITH CUSTOM COLOR AND FINISH TO MATCH EXISTING WALL. COVER SHALL BE REMOVABLE FOR ACCESS TO PIPING.

4 METAL PIPE ENCLOSURE DETAIL

SCALE: NONE



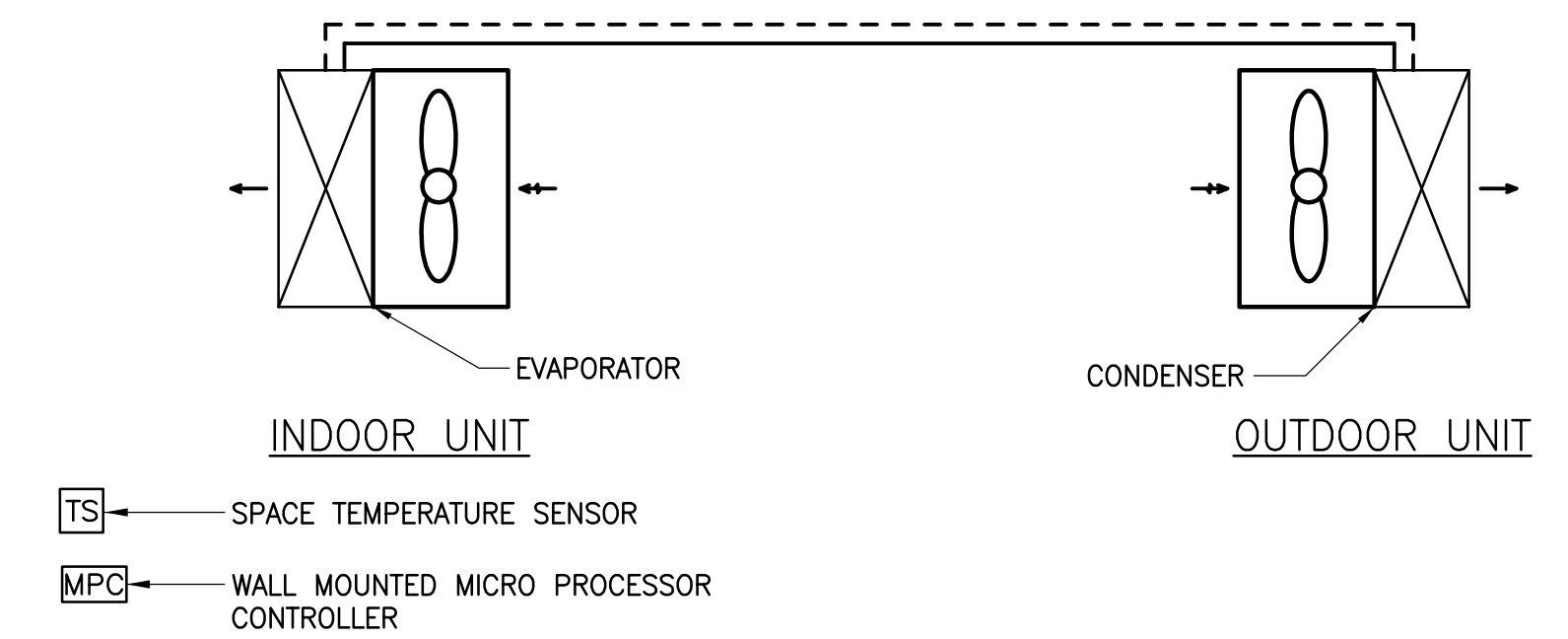
TOP VIEW

ELEVATION VIEW

- NOTE:
- 1) ALL WALL MOUNTED SPIT SYSTEMS SHALL BE PROVIDED WITH MAXIBLUE ADVANCED BLUE DIAMOND MINI CONDENSATE PUMP W/RESEVOIR AND SENSOR (INTEGRAL TO UNIT).
 - 2) REFER TO MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL INSTALLATION INSTRUCTIONS.

5 TYPICAL WALL MOUNTED SPLIT SYSTEM UNIT INSTALLATION DETAIL

SCALE: NONE

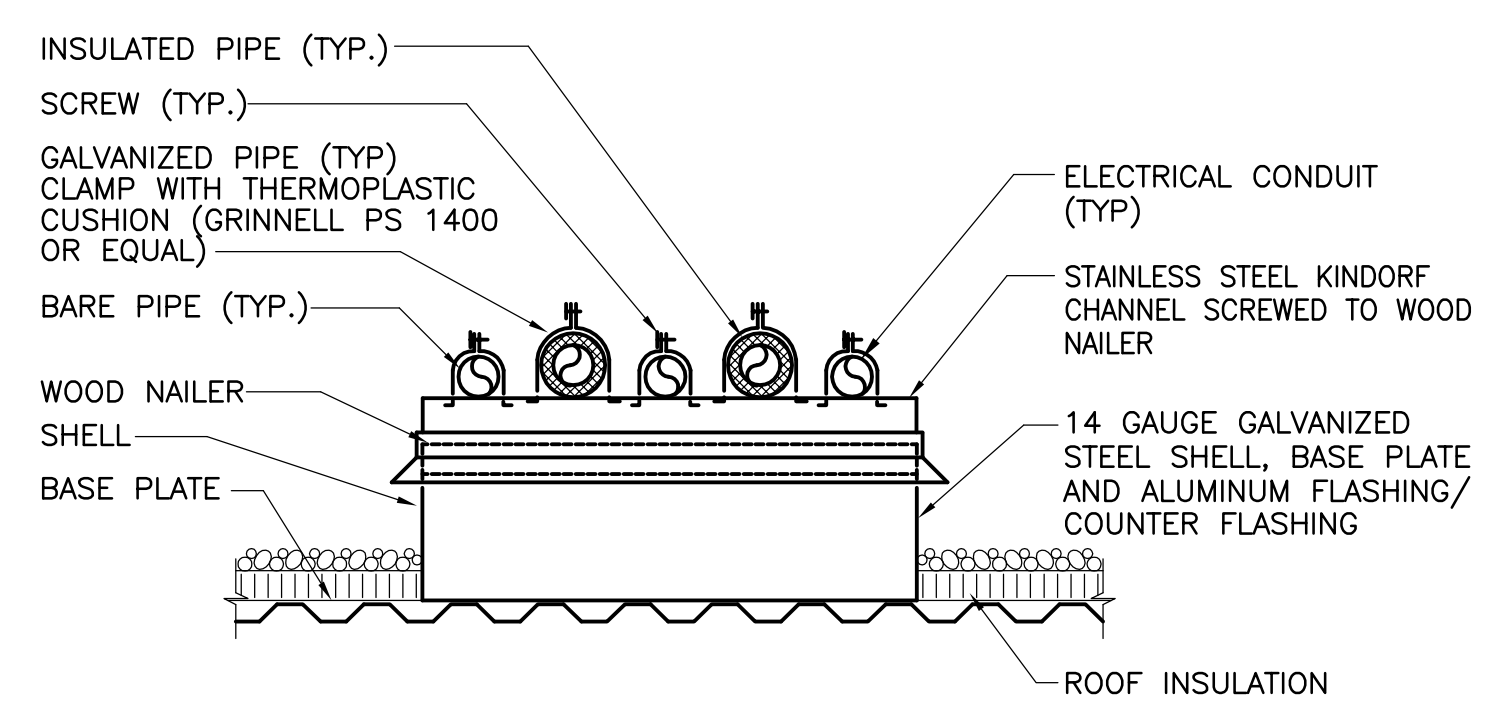


SEQUENCE OF OPERATION

1. MICRO PROCESSOR CONTROLLER SHALL SEQUENCE INDOOR A/C UNIT TO MAINTAIN 70°F (ADJUSTABLE).
2. SPACE TEMPERATURE SHALL MONITOR SPACE TEMPERATURE AND SEND AN ALARM TO THE EMS WHEN A HIGH TEMPERATURE SETPOINT LIMIT (80°F - ADJUSTABLE THROUGH SOFTWARE) IS REACHED.

6 TYPICAL DUCTLESS SPLIT A/C UNIT CONTROL DIAGRAM

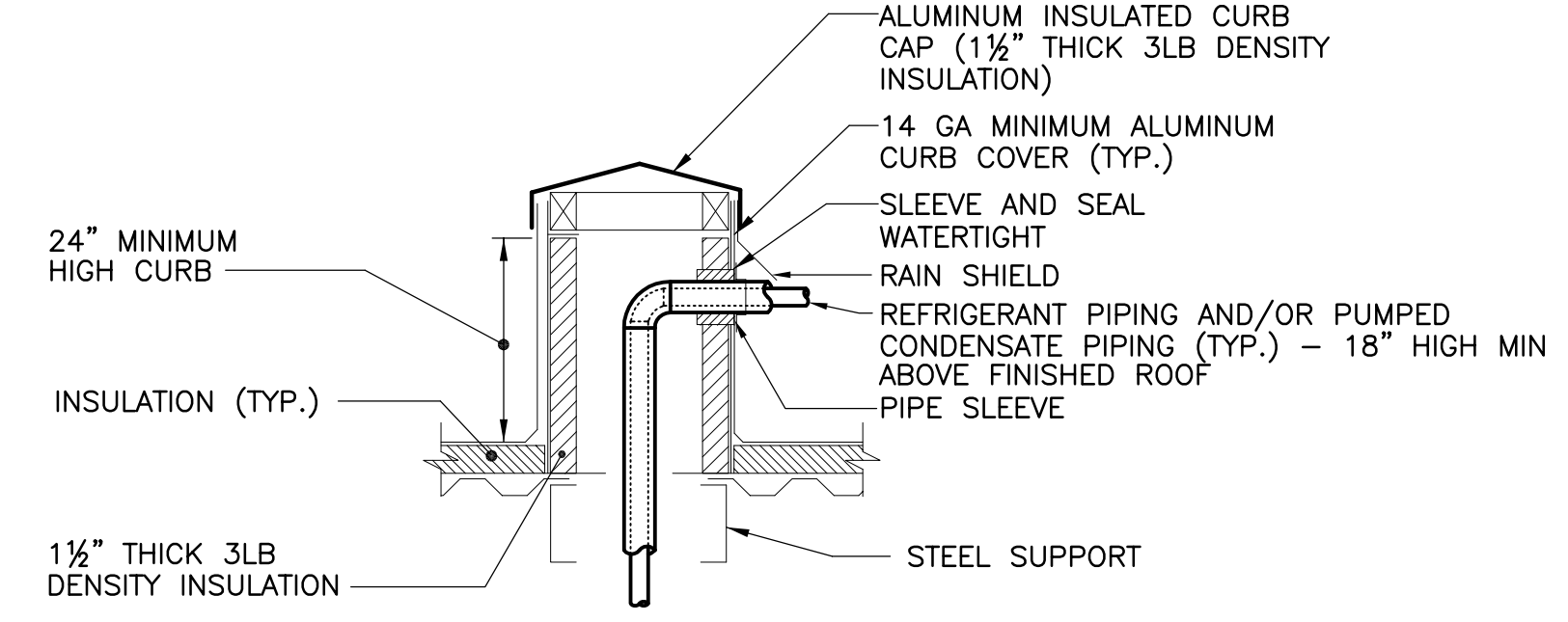
SCALE: NONE



- NOTE:
1. DETAIL TYPICAL FOR CONDENSATE DRAIN PIPING
 2. TOP OF SUPPORT SHALL BE A MINIMUM OF 18\"/>

7 TYPICAL PIPE ROOF SUPPORT DETAIL

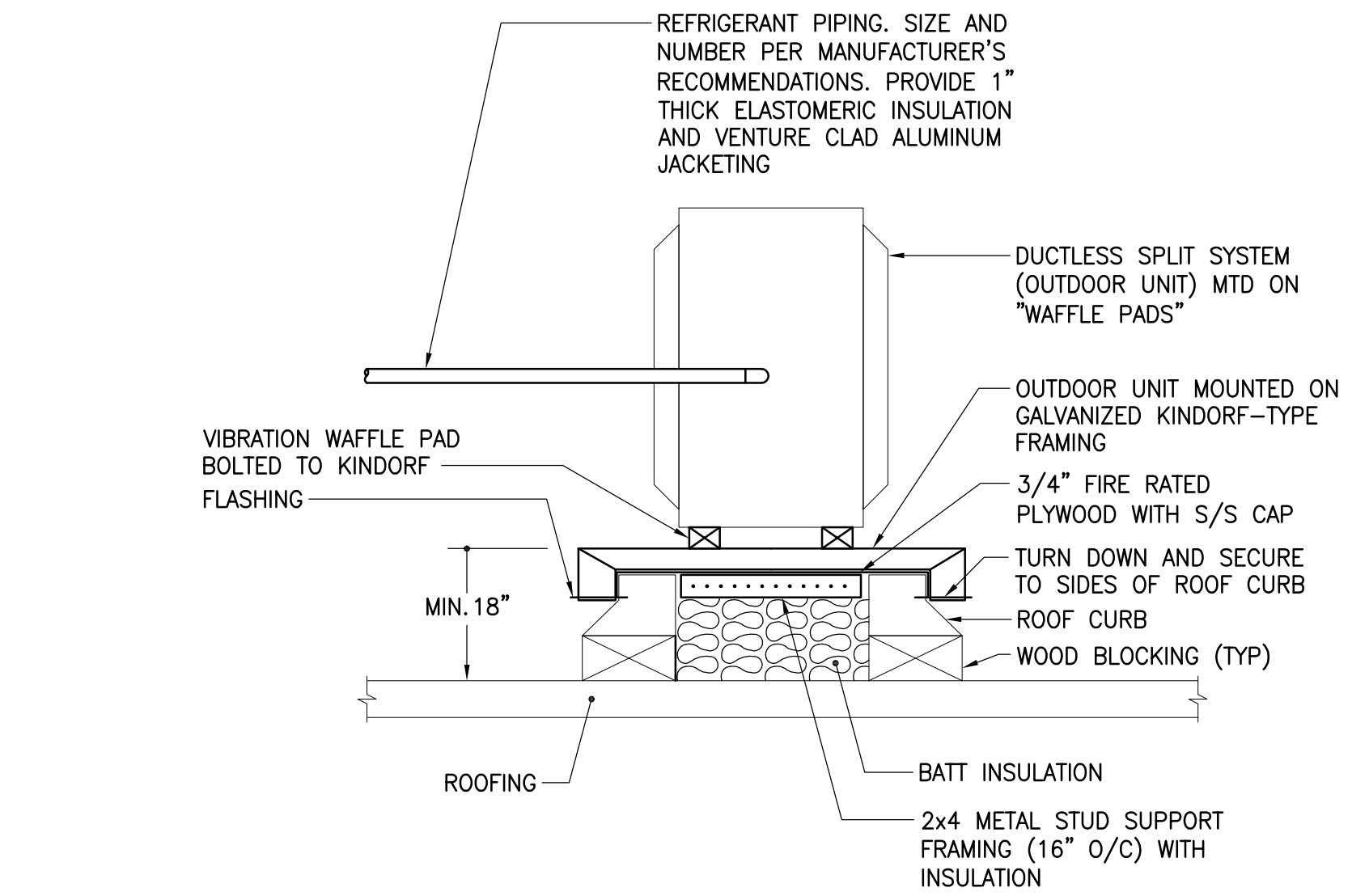
SCALE: NONE



- NOTE: TERMINATE PUMPED CONDENSATE WITH 45° ELBOW WITH BUG SCREEN. PLACE SPLASH BLOCK BELOW ELBOW.

8 TYPICAL REFRIGERANT PIPE CURB DETAIL

SCALE: NONE



8 DUCTLESS SPLIT SYSTEM OUTDOOR UNIT INSTALLATION

SCALE: NONE



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MONTGOMERY COUNTY PUBLIC SCHOOLS
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OLNEY, MD 20832
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CONSTRUCTION DOCUMENTS

ISSUE		
REV	DATE	DESCRIPTION
01	11-21	BID SET

PROJECT NO.: 18-12-25
DATE: 01/11/2021

MECHANICAL DETAILS & CONTROL DIAGRAMS

M7.1