

# ELEVATOR REPLACEMENT

FOR  
LYNCHBURG CITY SCHOOLS  
ADMINISTRATION BUILDING  
915 COURT STREET  
LYNCHBURG, VIRGINIA 24504



ARCHITECTURAL PARTNERS

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## ARCHITECT

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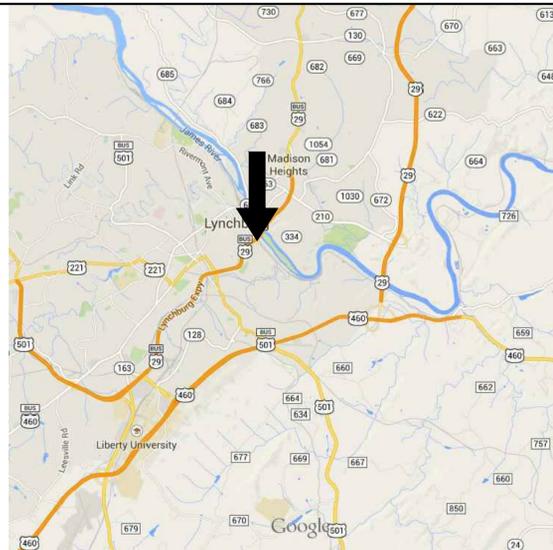
## OWNER

LYNCHBURG CITY SCHOOLS

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## DRAWING LIST

- CS1.1 Cover Sheet
- A1.1 Elevator Floor Plans and Section
- MP1.0 Basement HVAC and Plumbing Plan
- E1.0 Basement Electrical Plan



VICINITY MAP



SITE MAP



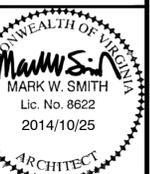
## ABBREVIATIONS

|  |  |  |  |   |                                    |
|--|--|--|--|---|------------------------------------|
| AB ANCHOR BOLT                         | DET DETAIL(ED)                         | GRG GRATING                                  | LLV LONG LEG VERTICAL                    | FLYND FLYWOOD                                   | STC SOUND TRANSMISSION COEFFICIENT |
| ABV ABOVE                              | DIA DIAMETER                           | GNB GYPSUM WALLBOARD                         | LOC LOCATION                             | PNLG PANELING                                   | STD STANDARD                       |
| ACST ACOUSTIC                          | DIAG DIAGONAL, DIAGRAM                 | GYP GYPSUM                                   | LONGS LONGitudINAL                       | FR PAIR   | STL STEEL                          |
| ACT ACOUSTICAL CEILING TILE            | DIM DIMENSION                          | H HEIGHT, HIGH                               | LPT LOW POINT                            | PSF POUNDS PER SQUARE FOOT                      | STO STORAGE                        |
| AFF ABOVE FINISHED FLOOR               | DK DECK                                | HB HOSE BIBB                                 | MACH MACHINE                             | PSI POUNDS PER SQUARE INCH                      | STRUCT STRUCTURAL                  |
| ASGR AGGREGATE                         | DN DOWN                                | HED HARDWOOD                                 | MAS MASONRY                              | PTT PRESSURE TREATED, POINT, POINT OF TANG.     | SUSP SUSPENDED                     |
| AHR ANCHOR                             | DOH DOOR OPENING HEIGHT                | HC HANDICAPPED                               | MATL MATERIAL                            | PTN PARTITION                                   | SYM SYMMETRICAL                    |
| AL ALUMINUM                            | DON DOOR OPENING WIDTH                 | HDR HARDWARE                                 | MATL MATERIAL                            | PVC POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE | SYS SYSTEM                         |
| APC ARCHITECTURAL PRECAST              | DP DAMPROOFING                         | HND HARDWOOD                                 | MCT MARMOLEUM COMPOSITE TILE             | QT QUARRY TILE                                  | TEL TELEPHONE                      |
| APPROX APPROXIMATE                     | DR DOOR                                | HM HOLLOW METAL                              | MDF MEDIUM DENSITY FIBERBOARD            | R RADIUS, REACTION, RISER, RESISTANCE           | T&G TONGUE AND GROOVE              |
| ARCH ARCHITECTURAL                     | DS DOWNSPOUT                           | HMD HOLLOW METAL DOOR                        | MECH MECHANICAL                          | RA RETURN AIR                                   | THK THRESHOLD                      |
| AVG AVERAGE                            | DWG DRAWING                            | HMF HOLLOW METAL FRAME                       | MEZZ MEZZANINE                           | RAF RESILIENT ATHLETIC FLOORING                 | THR THRESHOLD                      |
| BD BOARD                               | EA EACH                                | HOR HORIZONTAL                               | MFR MANUFACTURER                         | RCP REFLECTED CEILING PLAN                      | T&G TONGUE AND GROOVE              |
| BET BETWEEN                            | EJFS EXTERIOR INSULATION FINISH SYSTEM | HPT HIGH POINT                               | MIN MINIMUM                              | RCPT RECEPTACLE(S)                              | TOS TOP OF STEEL                   |
| BLDG BUILDING                          | EJ EXPANSION JOINT                     | HR HANDRAIL                                  | MISC MISCELLANEOUS                       | RD ROOF DRAIN                                   | TOT TOTAL                          |
| BLK BLOCKING                           | EL ELEVATION                           | HT HEIGHT                                    | NO MASONRY OPENING                       | REF REFERENCE                                   | TRD TREAD                          |
| BH BEAM                                | ELEC ELECTRICAL                        | HVAC HEATING, VENTILATING & AIR CONDITIONING | MOH MASONRY OPENING HEIGHT               | REINF REINFORCE(MENT) (ING)                     | TRD TREAD                          |
| BOT BOTTOM                             | ELEV ELEVATOR, ELEVATION               | HW HOT WATER                                 | MOW MASONRY OPENING WIDTH                | REQD REQUIRED                                   | T&G TONGUE AND GROOVE              |
| BRG BEARING                            | ENCL ENCLOSE(URE)                      | IN INCH                                      | NT NUT                                   | REQMT REQUIREMENT(S)                            | T&G TONGUE AND GROOVE              |
| BUR BUILT-UP ROOF(ING)                 | EG EQUAL                               | INCL INCLUSIVE                               | MUL MULLION                              | REIL RESILIENT                                  | T&G TONGUE AND GROOVE              |
| C/C CENTER TO CENTER                   | EGPT EQUIPMENT                         | INSTL INSTALL(ED)                            | MMP MEMBRANE WATERPROOFING               | RET RETURN                                      | T&G TONGUE AND GROOVE              |
| CIP CAST-IN-PLACE, CAST IRON PIPE      | ENC ELECTRIC WATER COOLER              | INSUL INSULATE(ED) (ING) (ION)               | N NORTH                                  | REV REVERSE ACTING, REVISED, REVISION           | T&G TONGUE AND GROOVE              |
| CL CENTER LINE                         | EXH EXHAUST                            | INT INTERIOR                                 | NIC NOT IN CONTRACT                      | RF RETURN FAN, ROOF                             | T&G TONGUE AND GROOVE              |
| CLS CENTER LINE                        | EXP EXPOSED                            | INTMD INTERMEDIATE                           | NO NUMBER                                | RGD RETURN GRILLE                               | T&G TONGUE AND GROOVE              |
| CFG COLD FORMED STEEL                  | EXPN EXPANSION                         | ISOL ISOLATION                               | NOM NOMINAL                              | RM ROOM   | T&G TONGUE AND GROOVE              |
| CFMF COLD FORMED METAL FRAMING         | EXT EXTERIOR                           | JAN JANITOR                                  | NST NONSLIP TREAD                        | RO ROUGH OPENING                                | T&G TONGUE AND GROOVE              |
| CLG CEILING                            | F4M FLASHING & KEEPS                   | JT JOINT(S), JOYER TRANSMITTER               | NTS NOT TO SCALE                         | RU ROLL UP                                      | T&G TONGUE AND GROOVE              |
| CLR CLEAR                              | FD FLOOR DRAIN                         | KCP KNOCKOUT PANEL                           | OAH OVERALL HEIGHT                       | SA STATUS ALARM, SUPPLY AIR                     | T&G TONGUE AND GROOVE              |
| CMU CONCRETE MASONRY UNIT              | FCN FOUNDATION                         | L LENGTH, LINE, LONG                         | OC ON CENTER                             | SCHD SCHEDULE                                   | T&G TONGUE AND GROOVE              |
| COL COLUMN                             | F/F FACE TO FACE                       | LAB LABORATORY                               | OD OUTSIDE DIAMETER                      | SECT SECTION                                    | T&G TONGUE AND GROOVE              |
| CONC CONCRETE, CONCENTRATED            | FIN FINISH(ED)                         | LAM LAMINATE                                 | OFD OWNER FURNISHED CONTRACTOR INSTALLED | SF SQUARE FEET (FOOT)                           | T&G TONGUE AND GROOVE              |
| CONN CONNECT(ED), CONNECTION           | FL FLOOR                               | LAV LAVATORY                                 | OFF OWNER FURNISHED OWNER INSTALLED      | SG SUPPLY GRILLE                                | T&G TONGUE AND GROOVE              |
| CONSTR CONSTRUCTION                    | FRP FIBERGLASS REINFORCED POLYESTER    | LB ROUND                                     | OFF OFFICE                               | SGF STRUCTURAL GLAZED FACING UNITS              | T&G TONGUE AND GROOVE              |
| CONT CONTINUATION, CONTINUOUS, CONTROL | FT FOOT(FEET)                          | LF LINEAR FOOT                               | OH OVERHEAD                              | SH SHEET  | T&G TONGUE AND GROOVE              |
| CONTR CONTRACT, CONTRACTOR             | FRT FIRE RETARDANT TREATED             | L6 LENGTH, LONG                              | OPNG OPENING                             | SIM SIMILAR                                     | T&G TONGUE AND GROOVE              |
| COORD COORDINATE                       | FTG FOOTING                            | LIN LINEAR                                   | OPP OPPOSITE                             | SNT SEALANT                                     | T&G TONGUE AND GROOVE              |
| CORR CORR(D)OR, CORRUGATED             | FUT FUTURE                             | LL LIVE LOAD                                 | O/O OUT TO OUT                           | SPEC SPECIFICATION(S)                           | T&G TONGUE AND GROOVE              |
| CT CERAMIC TILE                        | GA GAGE                                | LLH LONG LEG HORIZONTAL                      | PI PERIMETER INSULATION                  | SFFI SPRAY POLYURETHANE FOAM INSULATION         | T&G TONGUE AND GROOVE              |
| CTNG COATING                           | GAL GALLON                             |  | PL PLATE                                 | SFM SINGLE PLY MEMBRANE                         | T&G TONGUE AND GROOVE              |
| CTR CENTER                             | GALV GALVANIZE(D)                      |  | PL PROPERTY LINE                         | SQ SQUARE                                       | T&G TONGUE AND GROOVE              |
| COUNTERSUNK                            | GL GLASS                               |  | PLAS PLASTER                             | SS STAINLESS STEEL                              | T&G TONGUE AND GROOVE              |
| DEPTH, DEEP                            |  |  |  |   |                                    |

## SYMBOL LEGEND

|  |                                       |  |   |
|--|---------------------------------------|--|---|
|  | PRE CAST ARCHITECTURAL CONCRETE "APC" |  | FINISH WOOD                                   |
|  | GYPSUM WALLBOARD                      |  | PLYWOOD                                       |
|  | BRICK OR MASONRY VENEER               |  | CONCRETE                                      |
|  | CONCRETE MASONRY UNITS "CMU"          |  | CRUSHED STONE BASE MATERIAL                   |
|  | RIGID INSULATION                      |  | EARTH   |
|  | BATT INSULATION                       |  | STEEL   |
|  | COLUMN TAG                            |  | ELEV. NO. SYMBOL ELEV. SHOWN ON THIS DWG.     |
|  | WALL TYPE TAG                         |  | DOOR TAG                                      |
|  | GENERAL NOTE TAG                      |  | DETAIL NO. SYMBOL ELEV. SHOWN ON THIS DWG.    |
|  | LOUVER TAG                            |  | SECTION NO. SYMBOL ELEV. SHOWN ON THIS DWG.   |
|  | WINDOW TAG                            |  | SECTION NO. SYMBOL 2 ELEV. SHOWN ON THIS DWG. |
|  | ELEVATION MARKER                      |  | SECTION NO. SYMBOL 3 ELEV. SHOWN ON THIS DWG. |
|  | INTERIOR ELEVATION MARKER             |  | SECTION NO. SYMBOL 4 ELEV. SHOWN ON THIS DWG. |
|  | FINISH SCHEDULE TAG                   |  | TOP OF PARAPET                                |

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LYNCHBURG, VA PROJECT NO: 14153



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

DESIGNED: WDV  
DRAWN: MKG, WDV  
CHECKED: MWS  
DATE: 2014-10-24  
REVISIONS:

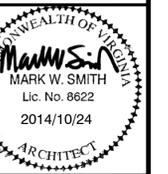
COVER SHEET

CS1.1



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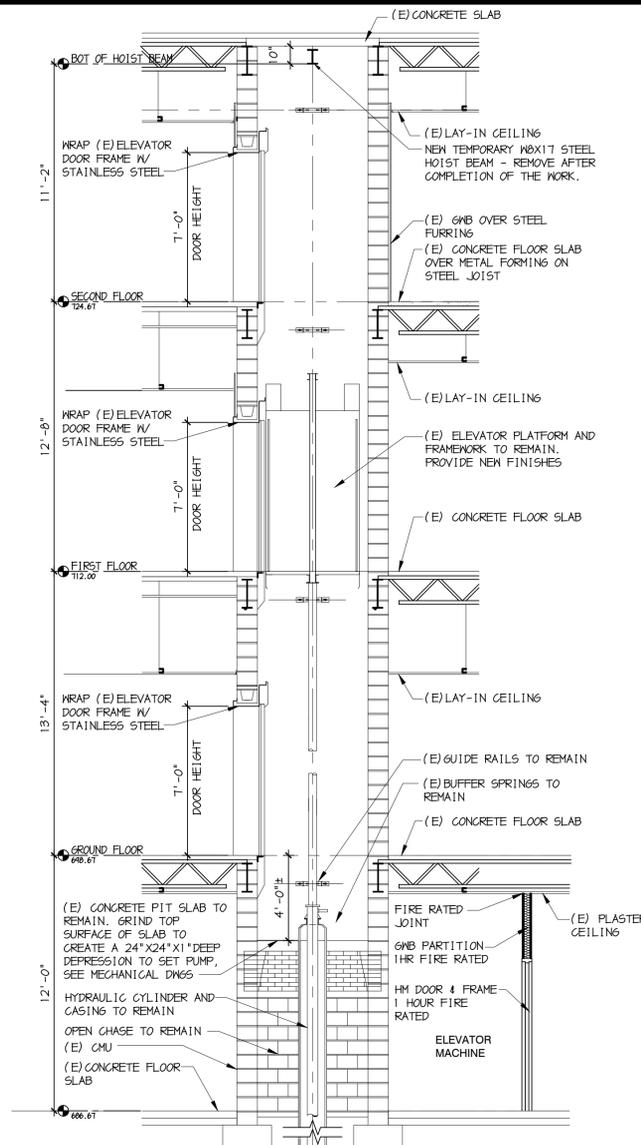
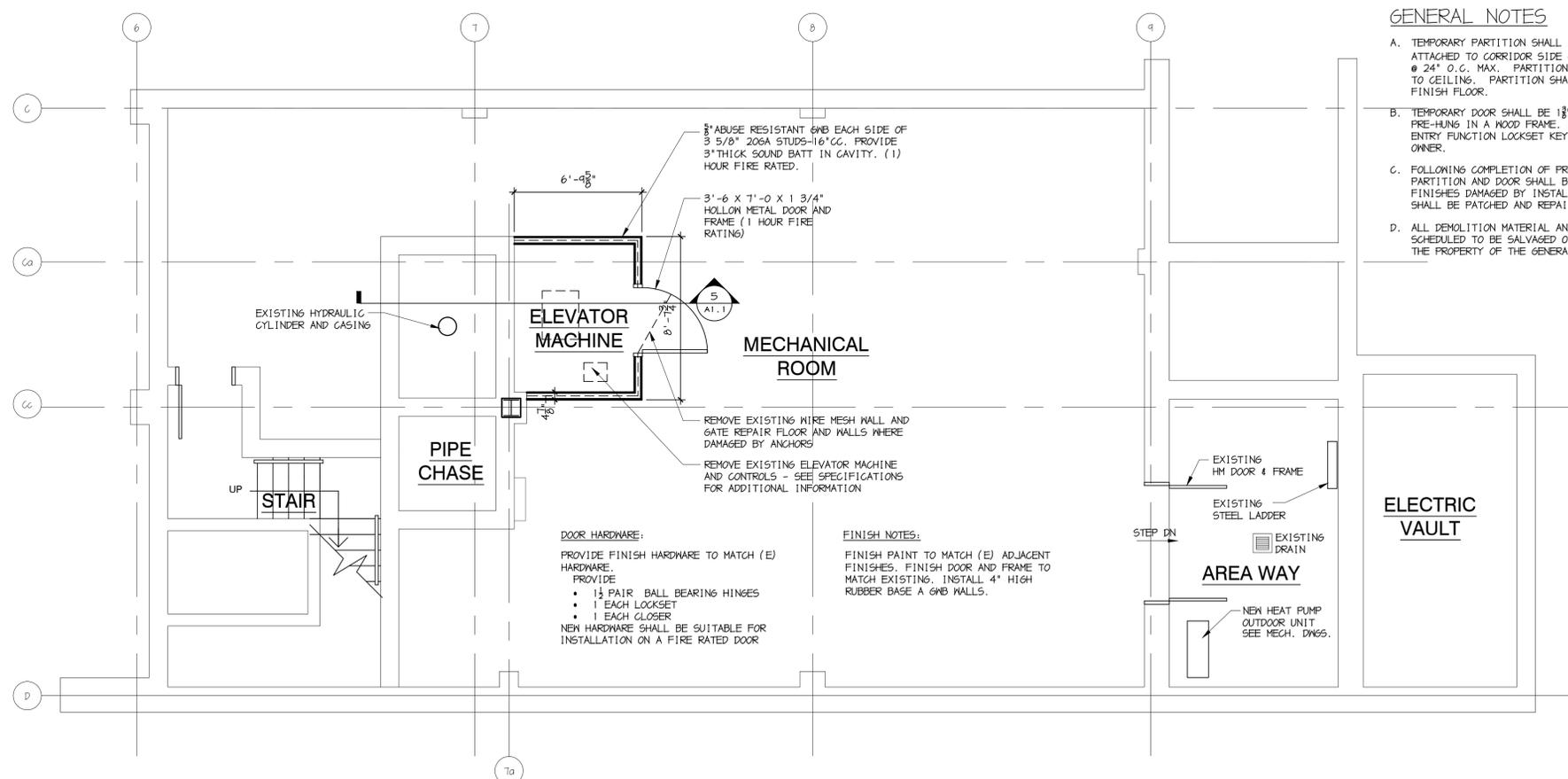


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**ELEVATOR FLOOR PLANS & SECTION**

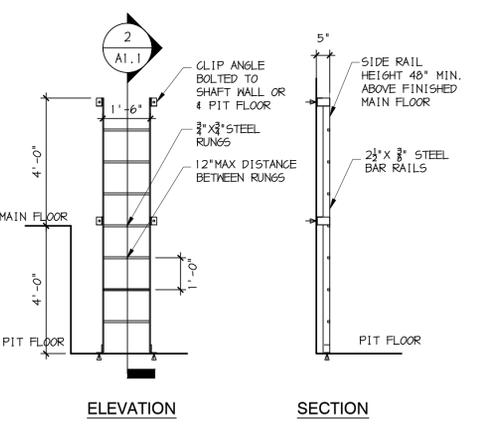
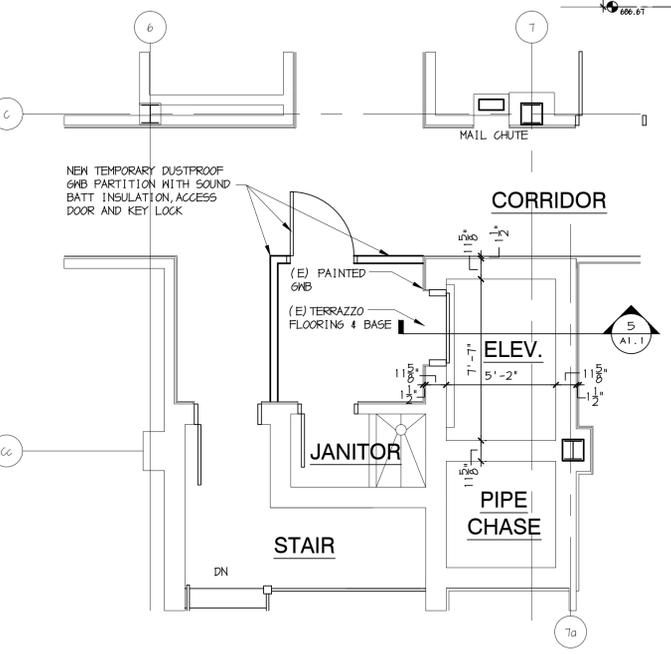
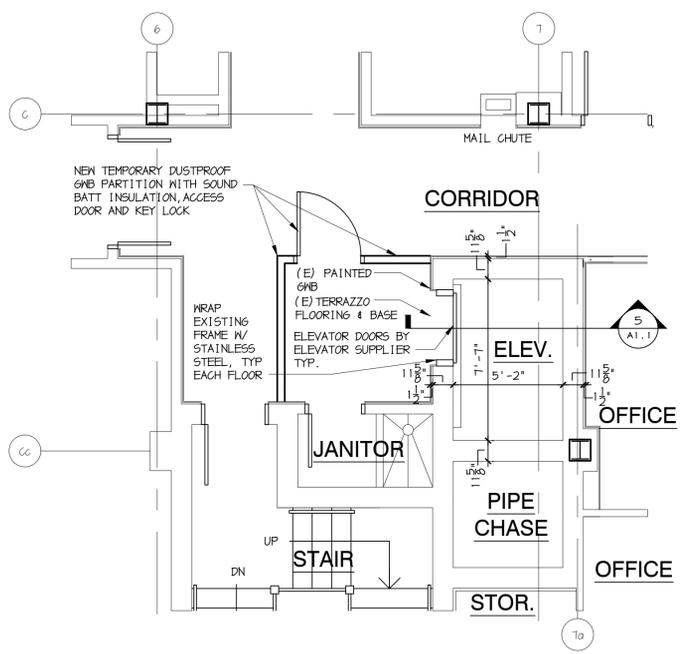
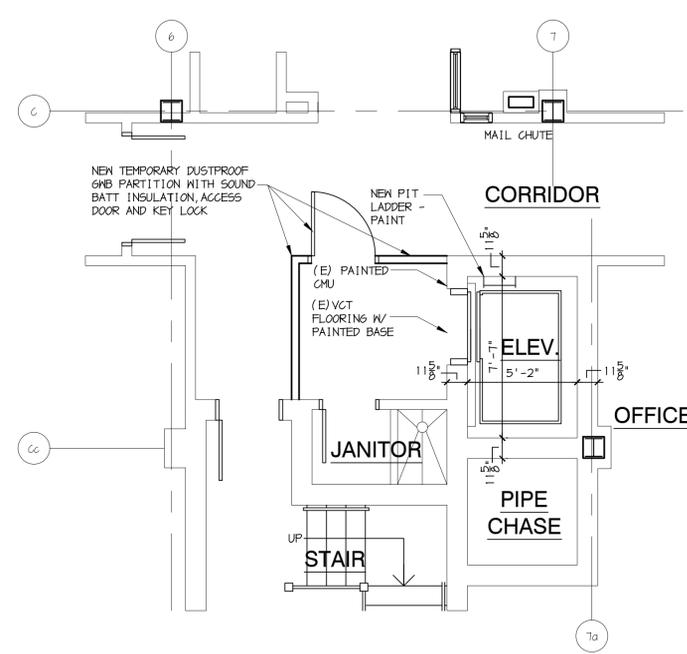
**A1.1**



**1 BASEMENT FLOOR PLAN**  
 1/4" = 1'-0"

**ALTERNATE#1**  
 IN LIEU OF WRAPPING THE EXISTING STEEL HOISTWAY DOOR FRAMES, REMOVE THE EXISTING HOISTWAY DOOR FRAMES AND REPLACE WITH NEW STAINLESS STEEL FRAMES TO MATCH THE NEW DOORS.  
 REMOVE CMU SURROUNDING THE EXISTING HOISTWAY DOOR OPENINGS AS REQUIRED TO INSTALL NEW DOOR FRAMES. INSTALL NEW LINTEL AT OPENINGS AND REPAIR TO MATCH ADJACENT FINISHES.

**ALTERNATE#2**  
 IN LIEU OF REUSING EXISTING ELEVATOR EQUIPMENT AS INDICATED IN THE BASE BID, REMOVE ALL ELEVATOR EQUIPMENT AND REPLACE W/ NEW ELEVATOR UNIT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
 ENLARGE HOISTWAY OPENINGS AS REQUIRED TO INSTALL NEW ELEVATOR EQUIPMENT. FURNISH & INSTALL NEW LINTEL AT EACH HOISTWAY OPENING. REPAIR HOISTWAY WALLS TO MATCH EXISTING ADJACENT FINISHES.



**2 GROUND FLOOR PLAN**  
 1/4" = 1'-0"

**3 FIRST FLOOR PLAN**  
 1/4" = 1'-0"

**4 SECOND FLOOR PLAN**  
 1/4" = 1'-0"

**6 PIT LADDER DETAILS**  
 3/8" = 1'-0"

MECHANICAL & PLUMBING LEGEND

SYMBOLS

- CONDENSING UNIT
- FAN COIL UNIT
- PUMP
- FORCED AIRFLOW

PIPING

- CONDENSATE
- REFRIGERANT LINES
- "/> SANITARY SEWER & SLOPE
- PIPE DOWN
- PIPE UP

GENERAL NOTES AND SPECIFICATIONS

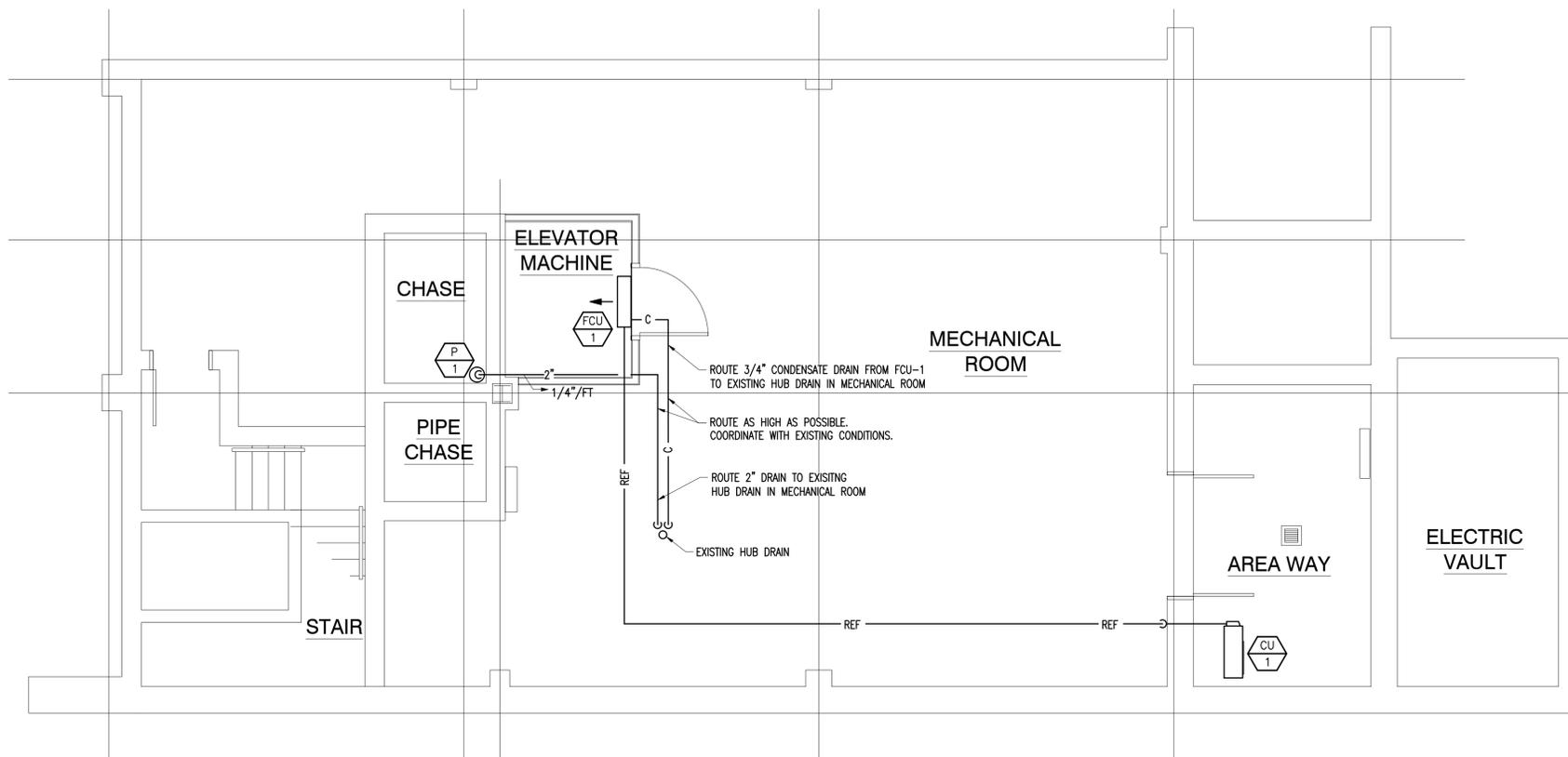
1. WORK AND INSTALLATION SHALL MEET REQUIREMENTS OF LOCAL BUILDING CODES AND ORDINANCES AND APPLICABLE REQUIREMENTS OF THE VUSBC AND NFPA. PLUMBING WORK SHALL ALSO MEET REQUIREMENTS OF LOCAL PLUMBING CODE.
2. PROVIDE ALL NECESSARY LABOR AND MATERIALS FOR THE WORK SHOWN ON THE DRAWINGS, WHICH INCLUDES REMOVAL OF EQUIPMENT AND COMPONENTS TO BE REMOVED AS WELL AS INSTALLATION OF HVAC SYSTEMS AND ALL PLUMBING PIPING AND EQUIPMENT.
3. THE GENERAL ARRANGEMENT AND LOCATIONS OF PIPING, FIXTURES, ETC., ARE INDICATED BY THE DRAWINGS AND SHALL BE INSTALLED IN ACCORDANCE THEREWITH, WITH THE EXCEPTION OF SUCH CHANGES AS MAY BE REQUIRED ON ACCOUNT OF OTHER TRADES. CONTRACTOR SHALL COORDINATE WORK WITH INSTALLATION OF OTHER SUBCONTRACTORS.
4. WHERE SPACE IS LIMITED, ROUTES AND CLEARANCES AND INSTALLATION PROCEDURES FOR PIPING, VALVES, AND OTHER MECHANICAL EQUIPMENT SHALL BE VERIFIED AND COORDINATED WITH OTHER WORK BEFORE EQUIPMENT IS INSTALLED.
5. PROVIDE SUPPORTS TO RIGIDLY ATTACH ALL EQUIPMENT, APPURTENANCES AND PIPE AS REQUIRED FOR SUPPORT PRIOR TO INSTALLATION OF HANGERS AND INSERTS. THE CONTRACTOR SHALL COORDINATE LOCATIONS AND EQUIPMENT TO MINIMIZE CONFLICTS WITH OTHER BUILDING SYSTEMS.
6. IF ANY EQUIPMENT OTHER THAN THAT SHOWN OR SPECIFIED IS FURNISHED, THE CONTRACTOR SHALL VERIFY THAT THE EQUIPMENT CAN BE INSTALLED IN THE SPACE AVAILABLE, INCLUDING PASSAGE THROUGH DOORS AND ACCESS DOORS AND ACCESS TO THOSE PARTS OF THE EQUIPMENT REQUIRING SERVICE.
7. RUN CONDENSATE LINE FROM DRAINS ON FAN COIL UNITS AS SHOWN. CONDENSATE DRAIN PIPING SHALL BE TYPE L COPPER WITH WROUGHT COPPER SOLDER FITTINGS. INSULATE WITH 1-1/2" THICK GLASS FIBER INSULATION.
8. ROUTE REFRIGERANT PIPING AS SHOWN. REFRIGERANT PIPING SHALL BE TYPR ACR COPPER WITH WROUGHT COPPER BRAZE FITTINGS. INSULATE WITH 3/4" FLEXIBLE ELASTOMERIC PIPE INSULATION.
9. ROUTE DRAIN PIPING AS SHOWN. DRAIN PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELDED FITTINGS.
10. OFFSET PIPING WHERE NECESSARY TO CLEAR OTHER WORK SUCH AS BEAMS, PIPES, ELECTRICAL EQUIPMENT, ETC.
11. WHERE CONNECTIONS OR ALTERATIONS ARE MADE TO EXISTING PIPING, OR OTHER MECHANICAL EQUIPMENT, THE EXACT LOCATION AND CONFIGURATION OF THIS EQUIPMENT SHALL BE DETERMINED ON THE JOB SITE. ROUTE AND CLEARANCES FOR NEW PIPING, OR OTHER MECHANICAL EQUIPMENT CONNECTING TO EXISTING EQUIPMENT SHALL BE VERIFIED ON THE JOB SITE BEFORE FABRICATING ANY NEW EQUIPMENT.
12. ALL REQUIRED WALL OR FLOOR OPENINGS SHALL BE COORDINATED WITH THE CONTRACTOR. PROVIDE PIPE SLEEVES THROUGH WALL AND FLOOR PENETRATIONS.
13. WHERE ANY PART OF BUILDING OR EXISTING EQUIPMENT IS CUT OR OTHERWISE DISFIGURED TO PERMIT INSTALLATION OF NEW EQUIPMENT OR RELOCATION OF EXISTING EQUIPMENT, THIS PART OF BUILDING OR EXISTING EQUIPMENT SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING.
14. MAJOR ITEMS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INCIDENTAL ITEMS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.
15. TRADE NAMES AND CATALOG NUMBERS SHALL BE INTERPRETED AS ESTABLISHING A GENERAL DESIGN AND STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION. UNLESS STATED OTHERWISE, THE CONTRACTOR MAY USE ANY ARTICLE WHICH, IN HIS JUDGMENT AND WITH WRITTEN COMMENT FROM THE ARCHITECT/ENGINEER INDICATING NO OBJECTION, IS EQUAL OR SUPERIOR TO THAT SPECIFIED. DRAWINGS SHOWING CHANGES OR REVISIONS REQUIRED BY THE SUBSTITUTION FOR SPECIFIED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
16. ALL EQUIPMENT SHALL BE WIPED CLEAN, REMOVING ALL TRACES OF OIL, DIRT OR PAINT SPOTS.
17. PIPING SYSTEM SHALL BE SUPPORTED IN ACCORDANCE WITH ANSI B31.1 "POWER PIPING" SO AS TO MAINTAIN REQUIRED PITCH OF LINES, PREVENT VIBRATION AND PROVIDE FOR EXPANSION AND CONTRACTION MOVEMENT.
18. PLUMBING DRAINAGE AND VENT SYSTEMS INSIDE THE BUILDING SHALL BE WATER TESTED UPON COMPLETION OF THE ROUGH PIPING INSTALLATION AND PROVED WATERTIGHT.
19. TEST FIELD-ASSEMBLED REFRIGERANT PIPING AND APPARATUS FOR ONE HOUR WITH DRY CARBON DIOXIDE OR NITROGEN, PLUS A SMALL AMOUNT OF REFRIGERANT. TEST PRESSURES SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARD SAFETY CODE FOR MECHANICAL REFRIGERATION.
20. SUBMIT SHOP DRAWINGS FOR SUMP PUMP, AIR CONDITIONING EQUIPMENT, PIPING MATERIAL, AND INSULATION.
21. BEFORE BEING PLACED INTO OPERATION, ALL EQUIPMENT REQUIRING PREOPERATIONAL ATTENTION SHALL BE SERVICED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS AND THE MANUFACTURER'S RECOMMENDATIONS. THIS SERVICING SHALL INCLUDE LUBRICATION, CONTROL CALIBRATIONS AND ADJUSTMENTS, AND TESTING AND ADJUSTING OF OPERATING CONTROLS.
22. AT THE COMPLETION OF PERFORMANCE TEST AND FOLLOWING APPROVAL OF TEST RESULTS, THE CONTRACTOR SHALL RECHECK ALL EQUIPMENT AND VERIFY THAT EACH ITEM IS FUNCTIONING CORRECTLY.
23. FURNISH ALL NECESSARY EQUIPMENT AND ASSUME ALL COSTS INVOLVED TO PERFORM ALL TESTING, CLEANING, AND BALANCING OPERATIONS REQUIRED.
24. TEST, ADJUST AND BALANCE ALL SYSTEMS UNTIL DESIGN FUNCTION AND OPERATION ARE ACHIEVED.

| DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE |          |                |              |             |             |          |         |
|--|----------|----------------|--------------|-------------|-------------|----------|---------|
| MARK                                     | MODEL    | AREA SERVED    | NOMINAL TONS | ACTUAL BTUH | HEATING MBH | V/Ph/Hz  | REMARKS |
| CU-1                                     | MU-A09WA | ELEVATOR EQUIP | 0.75         | 9,500       | N/A         | 115/1/60 | 1,2,3,4 |
| FCU-1                                    | MS-A09WA | ELEVATOR EQUIP | 0.75         | 9,500       | N/A         | 115/1/60 | 1,2     |

- REMARKS:
1. MODEL NUMBER BASED ON MITSUBISHI ELECTRIC.
  2. WITH UNIT-MOUNTED COOLING-ONLY THERMOSTAT SET TO MAINTAIN 90°F COOLING.
  3. LOCATE CU-1 IN AREA WAY.
  4. PROVIDE LOW AMBIENT CONTROLS FOR OPERATION TO 0°F.

| PUMP SCHEDULE |                        |               |      |     |     |          |              |       |         |  |
|---------------|------------------------|---------------|------|-----|-----|----------|--------------|-------|---------|--|
| MARK          | DUTY                   | MODEL         | RPM  | HP  | GPM | HEAD, FT | V/Ph/Hz      | AMPS  | REMARKS |  |
| P-1           | ELEVATOR PIT SUMP PUMP | SE-40 O/M ELV | 3600 | 0.4 | 50  | 6        | 115/230/1/60 | 5/2.3 | 1,2     |  |

- REMARKS:
1. MODEL NUMBER BASED ON STANCOR.
  2. PROVIDE WITH CHECK VALVE, OIL MINDER CONTROLLER INCLUDING ALARMS, LIGHTS, SILENCE SWITCH, AND REMOTE MONITORING CIRCUIT FOR OIL, HIGH LIQUID, AND HIGH AMPERAGE CONDITIONS.



**BASEMENT HVAC AND PLUMBING PLAN**  
SCALE: 1/4"=1'-0"  
ACTUAL NORTH

**MASTER ENGINEERS & DESIGNERS**  
904 Lakeside Drive, Lynchburg, VA 24504  
423-191 434-846-1350 Fax: 434-846-1351

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COMMONWEALTH OF VIRGINIA  
CHRISTOPHER L. SNIDER  
Lic. No. 046584  
10-24-2014  
PROFESSIONAL ENGINEER

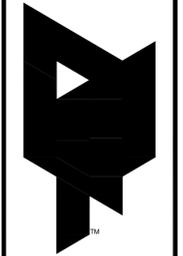
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BASEMENT  
HVAC AND  
PLUMBING PLAN

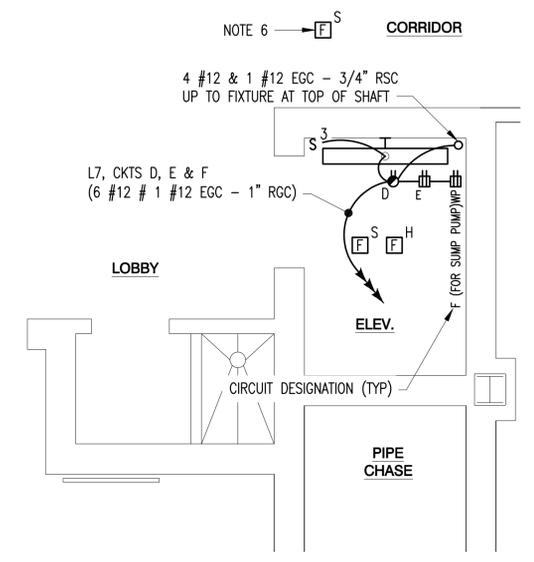
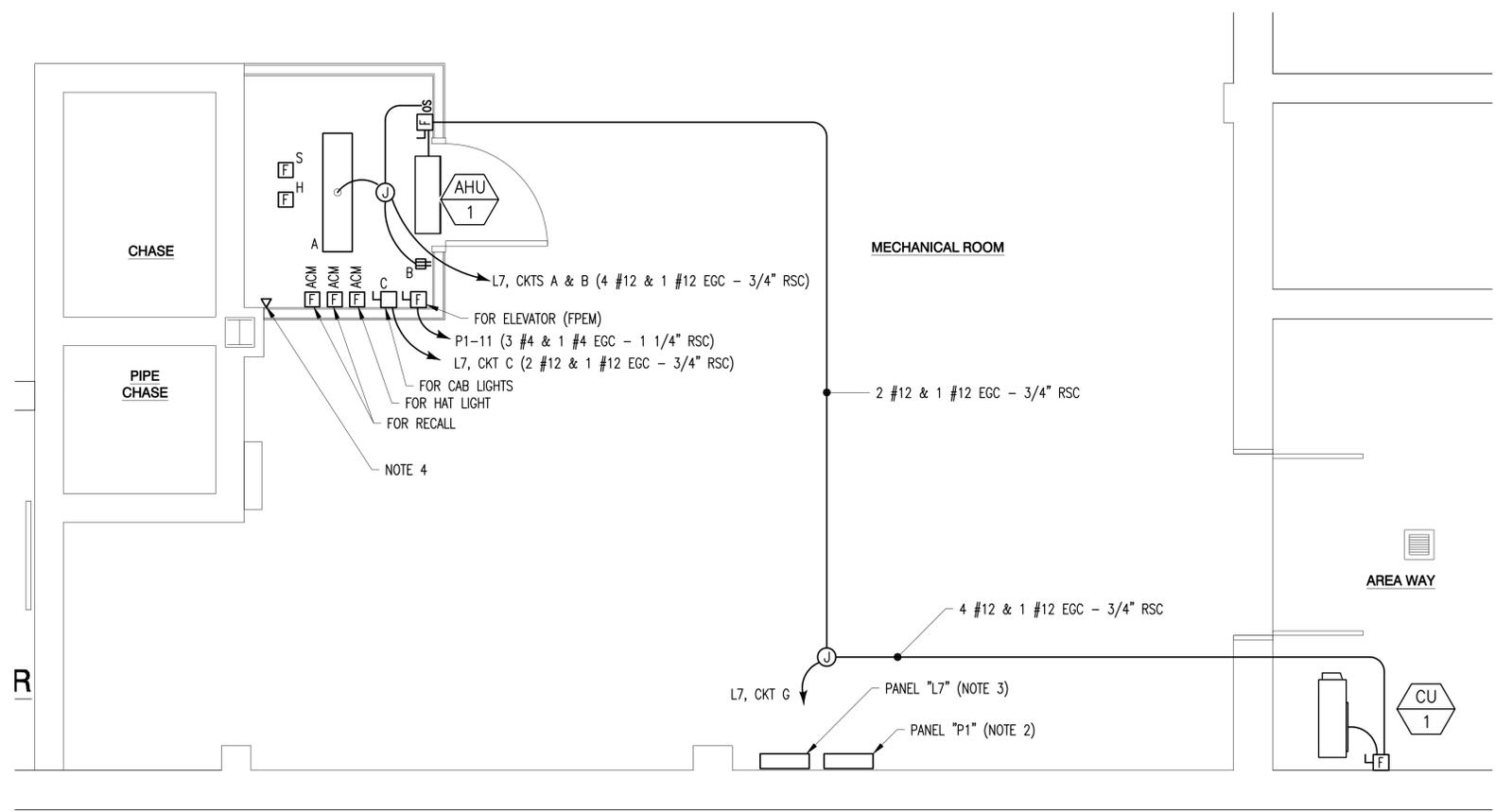
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 LYNCHBURG, VA  
 PROJECT NO. 14153

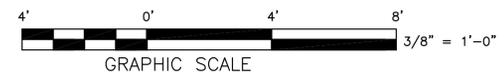
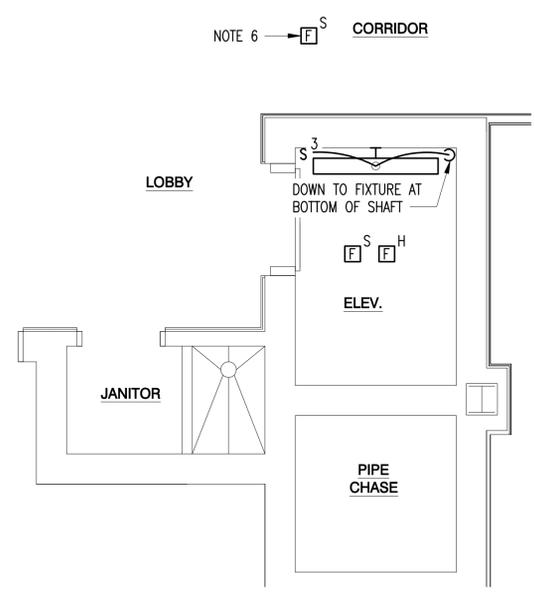
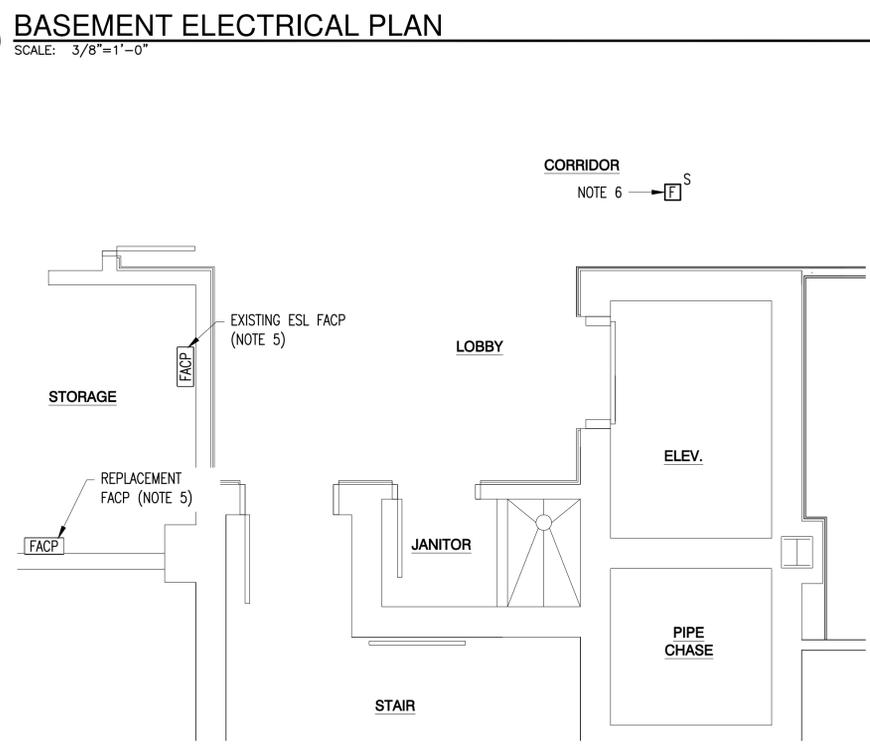


**NOTES (DRAWING E1.0)**

1. LIGHT FIXTURES SHALL BE LITHONIA DM-232, 120 VOLTS.
2. PANEL "P1" IS SQUARE D TYPE HCM (EXISTING, TO REMAIN).
3. PANEL "L7" IS SQUARE D TYPE NQOB (EXISTING, TO REMAIN). INSTALL SEVEN, 1P, 20AT, BREAKERS FOR ELEVATOR PIT SUMP PUMP, ELEVATOR SHAFT RECEPTACLE, ELEVATOR SHAFT LIGHTS, ELEVATOR MACHINE ROOM LIGHT, ELEVATOR MACHINE ROOM RECEPTACLE, ELEVATOR CAB LIGHTS AND DUCTLESS SPLIT SYSTEM.
4. STUB 3/4" RSC WITH PULL STRING OUT INTO MECHANICAL ROOM NEAR CEILING.
5. REMOVE ESL FACP. INSTALL REPLACEMENT, ADDRESSABLE, INTELLIGENT FACP. RECONNECT EXISTING WIRING TO EXISTING ESL FACP TO REPLACEMENT FACP.
6. REPLACE SMOKE DETECTORS AT EACH OF THE THREE ELEVATOR LANDINGS WITH ADDRESSABLE, INTELLIGENT SMOKE DETECTORS.

**LEGEND**

- ADDRESSABLE CONTROL MODULE
- ADDRESSABLE HEAT DETECTOR
- ADDRESSABLE, INTELLIGENT SMOKE DETECTOR
- SAFETY SWITCH, HEAVY DUTY, NON-FUSIBLE
- SAFETY SWITCH, HEAVY DUTY, FUSIBLE
- WEATHERPROOF GROUND FAULT INTERRUPTER RECEPTACLE
- WEATHERPROOF FACELESS GROUND FAULT INTERRUPTER (TO PROTECT LIGHTING CIRCUIT)
- FIRE ALARM CONTROL PANEL
- RSC RIGID STEEL CONDUIT
- FPFM FUSE PER MANUFACTURER OF PROTECTED EQUIPMENT
- TELEPHONE OUTLET
- OS OCCUPANCY SENSOR



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**BASEMENT ELECTRICAL PLAN**

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