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ARCHITECTURE

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McMILLAN PAZDAN SMITH

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MECHANICAL 20 PLUMBING

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ECTRICAL

DONALD BURDETTE, PE 102 PILGRIM RD GREENVILLE, SC 29607 PH: 864.297.8717 ENGINEERING INC,

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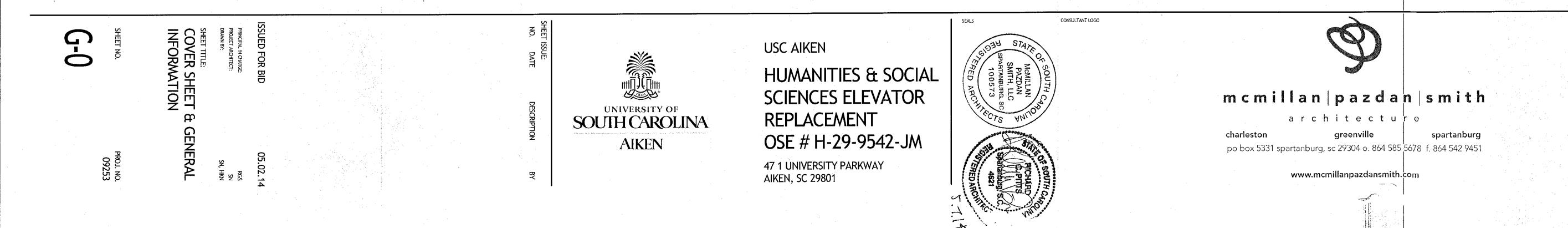
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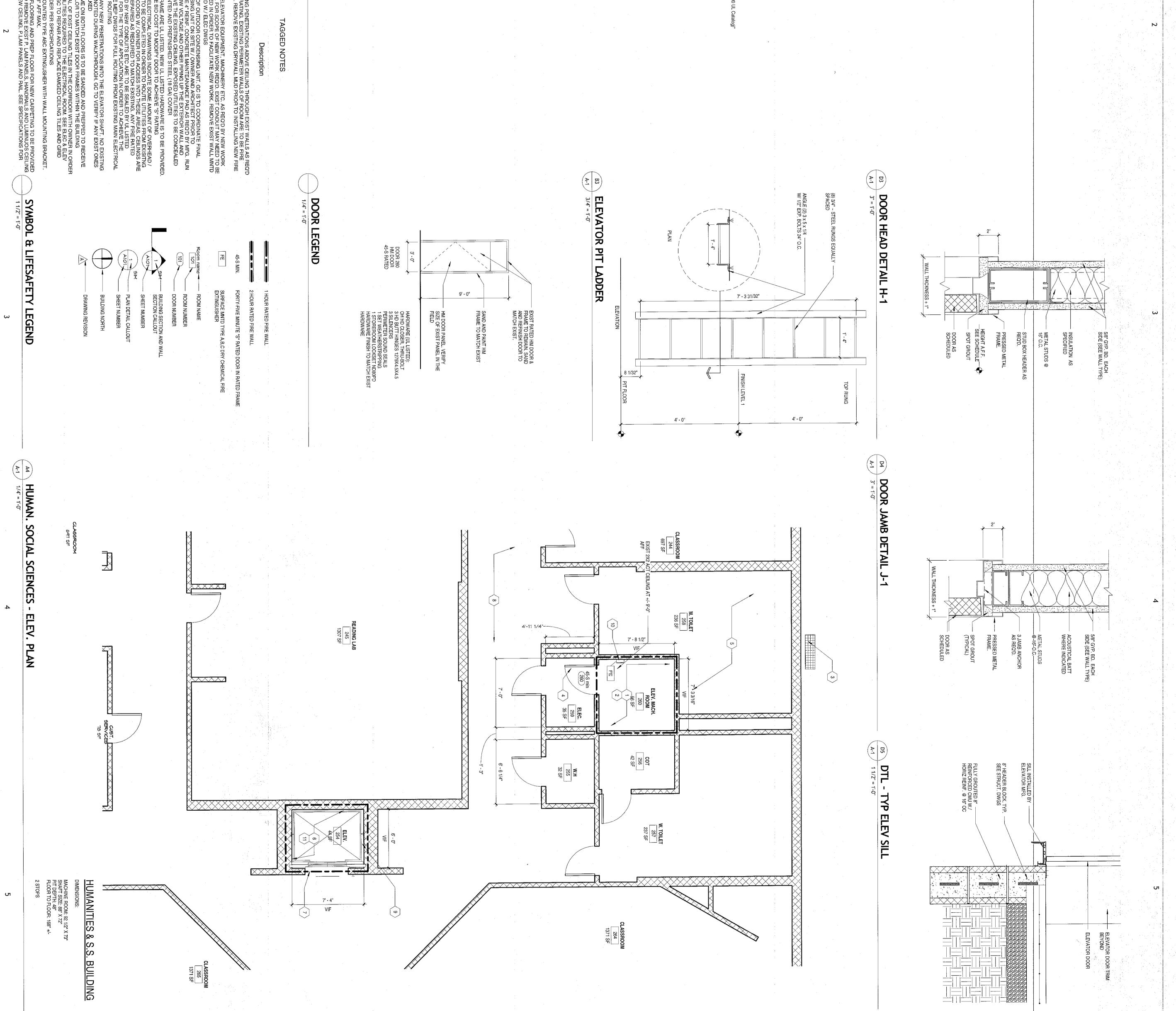
MINIMUM REQUIRED CLEARANCES AT ALL DOORS. NOTIFY ARCHITECT PRIOR TO INSTALLING FRAME IF THESE CLEARANCES CANNOT BE MAINTAINED.

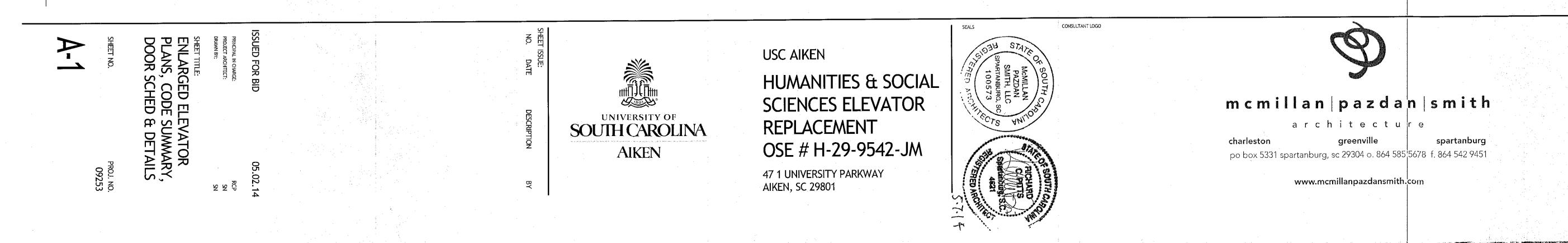
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ALCONCERNING SUBJECT S		ANITIES & SOCIAL SCIENCES
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D \cap σ ⊳ (<u>+</u> | +) a P þ 2 g Ĵ e त g) FIRESTOPPING DETAILS STENCIL THE ABOVE SIGN ON ALL FIREWALLS, BOTH SIDES. LOCATE SIGNS ON 30 FOOT CENTERS CONNECTED BY A CONTINUOUS 1 INCH WIDE RED LINE. IN LIEU OF THE CONNECTING LINE, STENC SIGNS ON 15 FOOT CENTERS. LETTERS TO BE 4" HIGH JATING S REQUIRED BY REA FOR RATING IRE SAFING S'@ RED BY iie (2 ONE HOUR FIRE BARRIER PROTECT ALL OPENINGS tion 10-5-210 ω O O Class B Class B Class C **_** 0 0 1 N 1 0 0 0 0 1 LL BETWEEN TOP OF WALL & META ECK W/ FIRE SAFING MATERIAL E MECHANICAL FOR SPECIAL TAILS WHERE DUCTWORK & PIP SS THRU FIRE WALLS AROUND JOIST SEAT & BETWEEN ES OF JOIST W/ FIRE SAFING FIIAL, TIGHTLY PACKED BETWEEN THE FLUTES OF THE (W/ FIRE SAFING MATERIAL, FLY PACKED THE FULL WIDTH O VALL ALL HOLES HAVE BEEN FILLED, / JOINT BETWEEN WALL & DECK E STOP COATING AS SHOWN, LL REQUIREMENTS L HOLES IN WALL & AROUND RICAL CONDUIT W/ MORTAR OR M BOARD JOINT COMPOUND. PLY IF CRACKS APPEAR, THEN FIRE CAULK Class B Class C Class C | | | 5 N Class C Class C Class C Tag _i≻≱ UR RATING. ECK. REMOV





ALL DRAWINGS, SPECIFICATIONS AND COPIES THEREOF FURNISHED BY MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROPERTY OF MCMILLAN PAZDAN SMITH ARCHITECTURE ARE AND SHALL REMAIN THE PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE USED ONLY WITH RESPECT TO THIS PROJECT. WITH THE EXCEPTION OF ONE CONTRACT SET FOR EACH PARTY TO THE CONTRACT, SUCH DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO MCMILLAN PAZDAN SMITH ARCHITECTURE UPON COMPLETION OF THE PROJECT. IS NOT TO BE CONSTRUED AS PUBLICATION OF MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER RESERVED RIGHTS. COPYRIGHT 2011 MCMILLAN PAZDAN SMITH - ALL RIGHTS RESERVED

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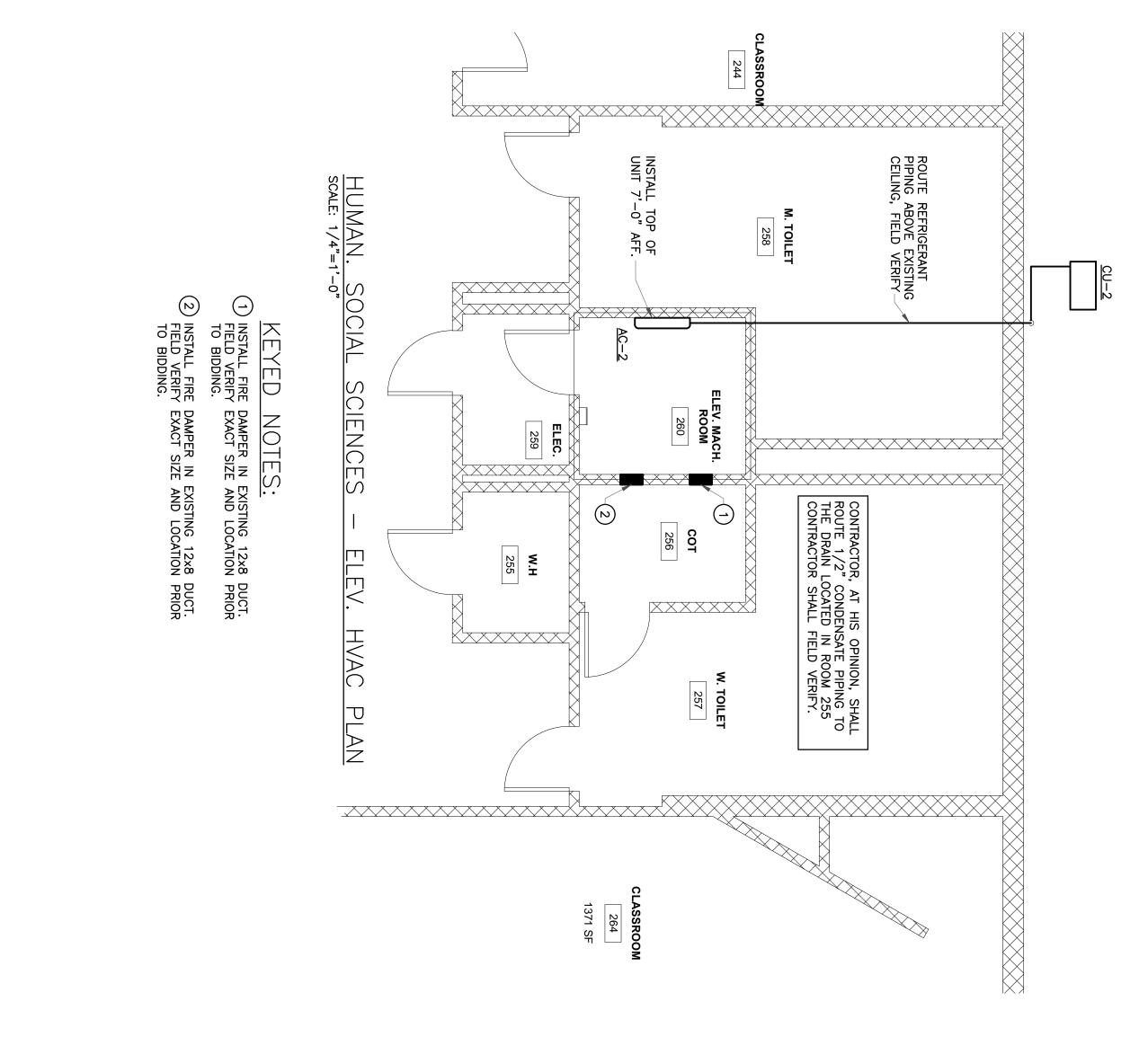
HVAC GENERAL NOTES: Ν

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COORDINATE EXACT ROUTING OF HVAC PIPING WITH ALL OTHER TRADES
 HVAC WORK SHALL BE PER INTERNATIONAL MECHANICAL CODE – 2006 AND ALL LOCAL CODE.

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- 3. ALL HVAC DUCTWORK, PIPING AND EQUIPMENT INSTALLATION SHALL BE COMPLETELY COORDINATED WITH EXISTING DUCTWORK, PIPING, CONDUIT, ETC. AND ALL OTHER TRADES. NO DUCT OR PIPE SHALL BE FABRICATED OR INSTALLED OR ANY EQUIPMENT SET IN PLACE UNTIL SUCH COORDINATION HAS TAKEN PLACE.
- 4. FINAL EXACT LOCATION OF DUCT, PIPING, AND EQUIPMENT MAY VARY SOMEWHAT FROM THAT SHOWN DUE TO COORDINATION REQUIRED IN NOTE ABOVE. AS A RESULT, THESE PLANS DO NOT NECESSARILY SHOW EACH AND EVERY DUCT AND PIPING OFFSET AND FITTING THAT MAY BE REQUIRED, BUT SHALL BE PROVIDED BY THE CONTRACTOR. DUE TO THE TIGHT CEILING SPACES, IT IS IMPERATIVE THAT THE DUCTWORK BE CLOSELY COORDINATED SO THAT CEILING HEIGHTS ARE NOT COMPROMISED.
 5. ALL CONDENSATE DRAIN PIPING SHALL BE TYPE L COPPER.
- ი.
- ALL CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 3/4" THICK ARMAFLEX INSULATION.

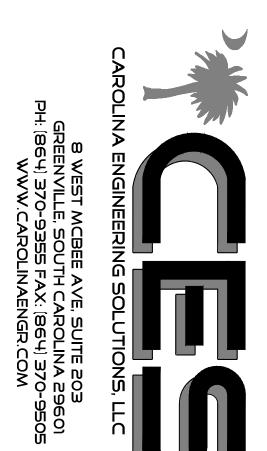


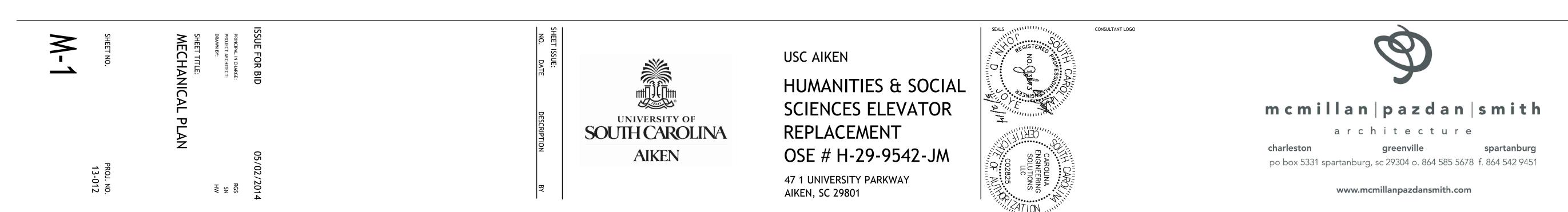
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AC-2	AC-2 PKA-A12GAL 400 12,000	400	12,000	CU-2	CU-2 PUY-A12NHA 13.0	13.0	15	208/1/60	ELEVATOR MACHINE 260	1,2,3,4,5,6
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ດບ - UN 4 4" APHT APHT "" -IDOOR UNIT IS FED FROM OUTDOOR UNIT. IF USED, CONTRACTOR IS RESPONSIBLE FOR DOOR UNIT IF REQUIRED BY MANUFACTURER. (EN. TO ZERO DEGREE F.

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> REQUIRED DEPTH 3M FIRE BARI 3P 25WB CAULK, BOTH SIDES, 2EQUIRED TO MAINTAIN HOURL' Return "Facp" NOT TO SCALE ELEVATOR REC H STEEL ନ୍ନ URER. VERY Ĩ A S S S S SMU Hall be 3/4" min .: Paint all junc . 10' with red pa CONDU INTENANCE (803)476-EXISTING CONTROL SIMP

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CAULK SYSTEM FOR ALL

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ABBREVIATIONS:ACTAcoustical ceiling tilAFFAbove finish floorAFGAbove finish floorACHAbove counter heighACHAbove counter heighACHBreakerCUcopperCKTcircuitDdedicated outletDWGDrawingECelectrical contractoFWEFurnished with equipaGFIGround fault interruLTGLighting (L)MLOMain lugs only

MCB MFR MSB NTS PH PNL PNL REQD SW UNO UNO UNO UNO UNO UNO VP XFMR

required SMTCH UNLESS NOTED (UNDERGROUND

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dedicated outlet drawing electrical contractor

acoustical ceiling tile Above finish floor Above finished grade Above counter height Breaker Copper Circuit

MAIN CIRCUIT BREAKER MANUFACTURER MAIN SWITCHBOARD NOT TO SCALE PHASE PANEL RECEPTACLE (R.)

Fuse Furnished with equipment Ground Fault Interrupter Lighting (L.) Main Lugs Only

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DEVICE

with Weather Proof Transformer

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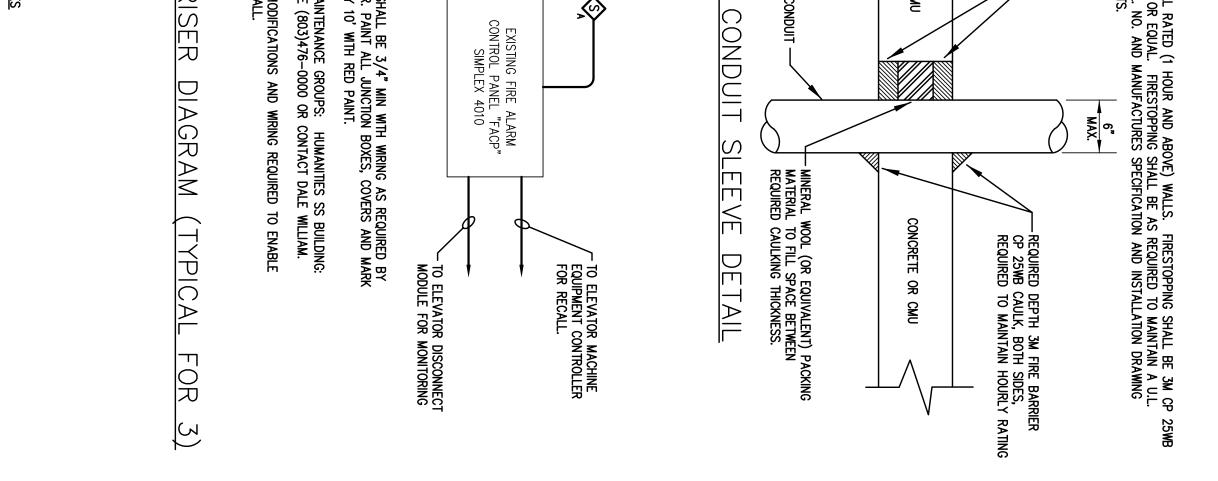
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FIRE ALARM RISER

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N SENSING SMOKE FROM ANY OF THE LOBBY, SHAFT OR MACHINE ROOM SMOKE CTORS, BRING ELEVATOR TO MAIN RECALL LEVEL. IF INITIATING DETECTOR IS ON RECALL LEVEL, BRING TO ALTERNATE RECALL LEVEL. COORDINATE EXACT LEVELS AUTHORITY HAVING JURISDICTION.



HE BUILDING IS NOT SPRINKLED. THERE IS NOT A REQUIREMENT FOR SHUNT TRIP. NO MOKE DETECTORS ARE IN SHAFT PER NFPA 72 21.3.6 (2010). ROVIDE GENERAL ALARM TO FIRE ALARM PANEL WHEN ANY DETECTOR IS ACTIVATED. LL DETECTORS SHOWN SHALL HAVE AUXILIARY CONTACTS.

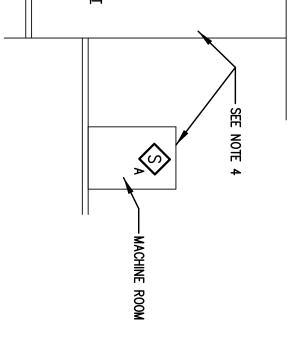
WED IN SHAFT OR MACHINE ROOM UNLESS

NO ELECTRICAL O

Conduit or Cabling The Elevator.

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FLOOR

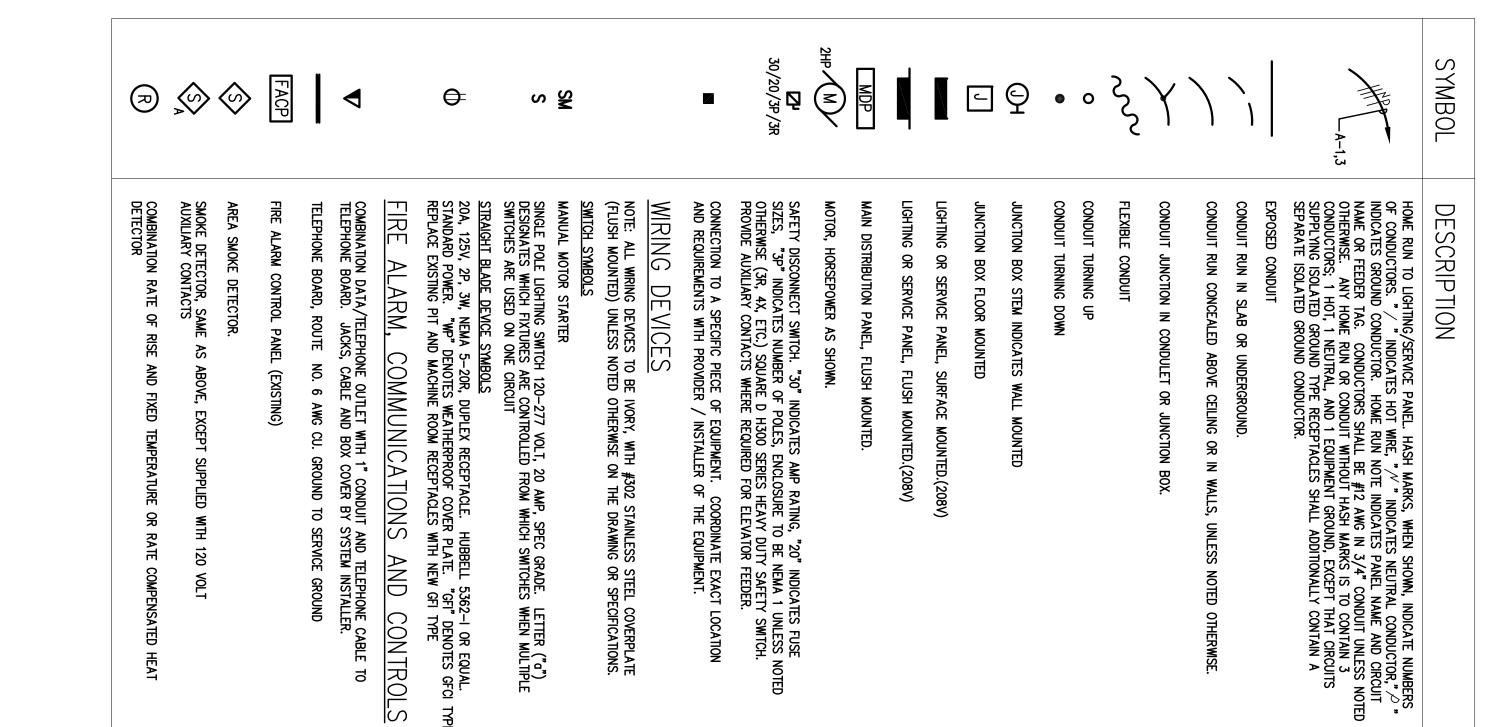
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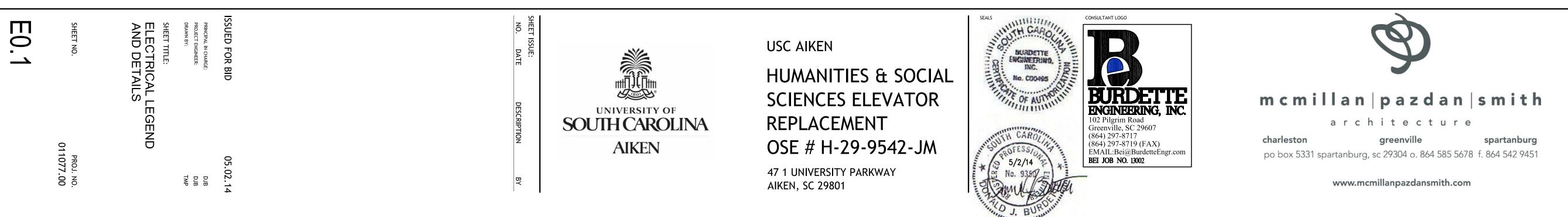


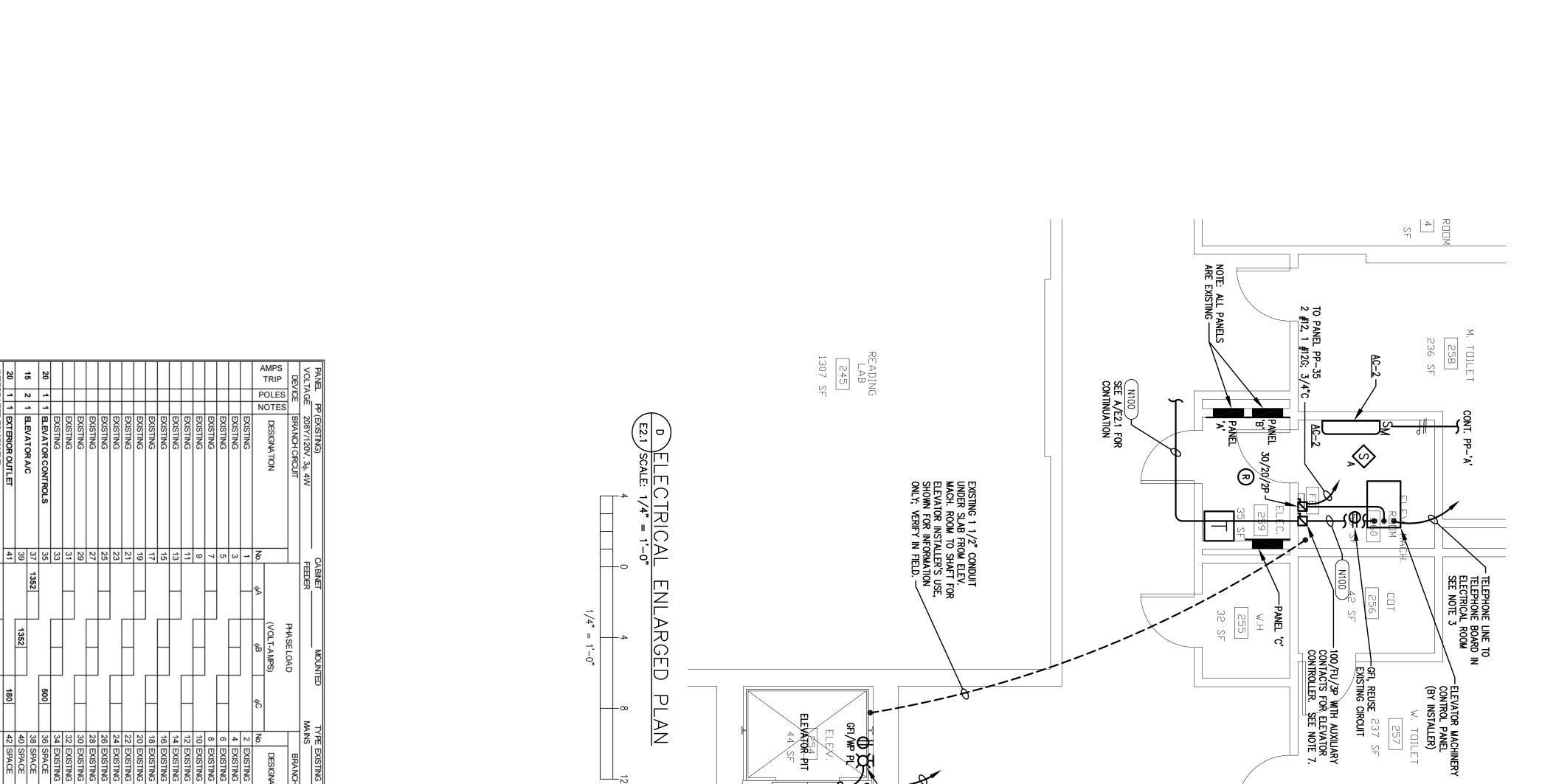
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ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO MEET SEISMIC REQUIREMENTS OF 2006 IBC. CONTRACTOR SHALL PROVIDE DRAWINGS FOR ALL INSTALLATION METHODS AND MEET ALL REQUIREMENT PER AUTHORITY HAVING JURISDICTION	CONTRACTOR SHALL KEEP CURRENT A SET OF PLANS FOR THE DURATION OF CONSTRUCTION WITH ALL CHANGES TO WORK NEATLY AND ACCURATELY MARKED IN RED AND SHALL TURN OVER TO OWNER AT COMPLETION OF PROJECT.	GUARANTEE THE WORK INSTALLED FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE. DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER MITHOUT COST TO THE OWNER.	THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION. INSTRUCT THE OWNERS' PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF THE SYSTEMS. FURNISH TO THE OWNER THREE SETS OF OPERATION AND MAINTENANCE MANUALS FOR EACH SYSTEM.	PROVIDE TELEPHONE CONNECTION FOR ELEVATOR AS REQUIRED. COORDINATE WITH OWNER & BELL SOUTH AND PAY ALL CHARGES FOR A COMPLETE SYSTEM. REUSE EXISTING PHONE LINES, IF POSSIBLE.	ALL BREAKERS ON CIRCUITS SUPPLYING HVAC EQUIPMENT SHALL BE TYPE HACR BREAKERS.	ALL WORK SHALL HAVE PROPER LABELING AND NAMEPLATES. ALL CIRCUITS SHALL BE LABELED AT PANELS AND BOXES AS INDICATED. ALL PANELS AND DISCONNECTS ARE TO BE PERMANENTLY MARKED WITH NAME OR EQUIPMENT SERVED. ALL PANELS ARE TO BE PROVIDED WITH TYPEWRITTEN PANEL SCHEDULES.	SEAL ALL CONDUIT PENETRATIONS TO MATCH RATING OF WALL BEING PENETRATED.	ALL ENCLOSURES SHALL BE OF THE NEMA TYPE WHICH IS SUITABLE FOR THE APPLICATION.	PROVIDE GROUNDING FOR ALL EQUIPMENT IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.	CONDUIT SHALL BE EMT FOR BRANCH CIRCUIT WIRING AS ALLOWED BY NEC, EXCEPT THAT SET SCREW OR CRIMP FITTINGS ARE NOT ALLOWED. WHERE EXPOSED TO PHYSICAL DAMAGE CONDUITS SHALL BE RIGID GALVANIZED STEEL. MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL CONDUCTORS SHALL BE STRANDED TYPE THHN/THWN, 600V COPPER BUILDING WIRE. MINIMUM SIZE SHALL BE #12 AWG COPPER UNLESS NOTED. UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 WITH TRANSITION TO RIGID GALVANIZED STEEL FOR EXPOSED CONDUITS.	VERIFY ALL DIMENSIONS AND CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT AND RACEWAYS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK MITH THAT OF ALL OTHER TRADES AS REQUIRED.	FURNISH AND INSTALL ALL MATERIALS IN A NEAT AND WORKMANLIKE FASHION. ALL MATERIALS SHALL BE NEW, WITH FIRST QUALITY AND UL LABEL.	CONFORM TO THE NATIONAL ELECTRICAL CODE (2008), IBC (2009), APPLICABLE NEMA, ANSI AND IEEE PUBLICATIONS, U.L. AND ADA STANDARDS AND OSHA REQUIREMENTS. COMPLY WITH LOCAL, COUNTY, STATE AND NATIONAL CODES HAVING JURISDICTION.	INSPECT SITE PRIOR TO SUBMITTING BID. DRAMINGS ARE INTENDED TO COVER THE REQUIRED ELECTRICAL SYSTEMS. DRAMINGS MAY NOT SHOW COMPLETE OR ACCURATE DETAILS OF THE BUILDING OR SYSTEM IN EVERY RESPECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY ADDITIONAL INFORMATION AS REQUIRED.	LECTRICAL GENERAL NOTES:

GENERAL LIGHTING NOTES

- -MANUFACTURERS & NUMBERS ARE LISTED TO ESTABLISH QUALITY ONLY AND NOT TO LIMIT COMPETITION. SUBMITTAL DATA, PHOTOMETRICS & ENGINEERS APPROVAL AS REQUIRED BY SPECIFICATIONS. PRIOR TO BIDDING, SUBSTITUTIONS ARE ALLOWED SUBJECT TO
- 2 ALL FLUORESCENT FIXTURES SHALL HAVE PREMIUM ELECTRONIC BALLASTS WITH 90% MIN. BALLAST FACTOR AND MAX. THD OF 15%. ALL FIXTURES TO BE PAINTED AFTER FABRICATION. BALLASTS SHALL BE MANUFACTURED BY SYLVANIA, ADVANCE OR MAGNETEK. LAMPS SHALL BE MANUFACTURED BY G.E. OR SYLVANIA.
- ω. 4. PROVIDE ALL MOUNTING ALL FIXTURES TO BE U.L. LABELED. ACCE ËS REQUI





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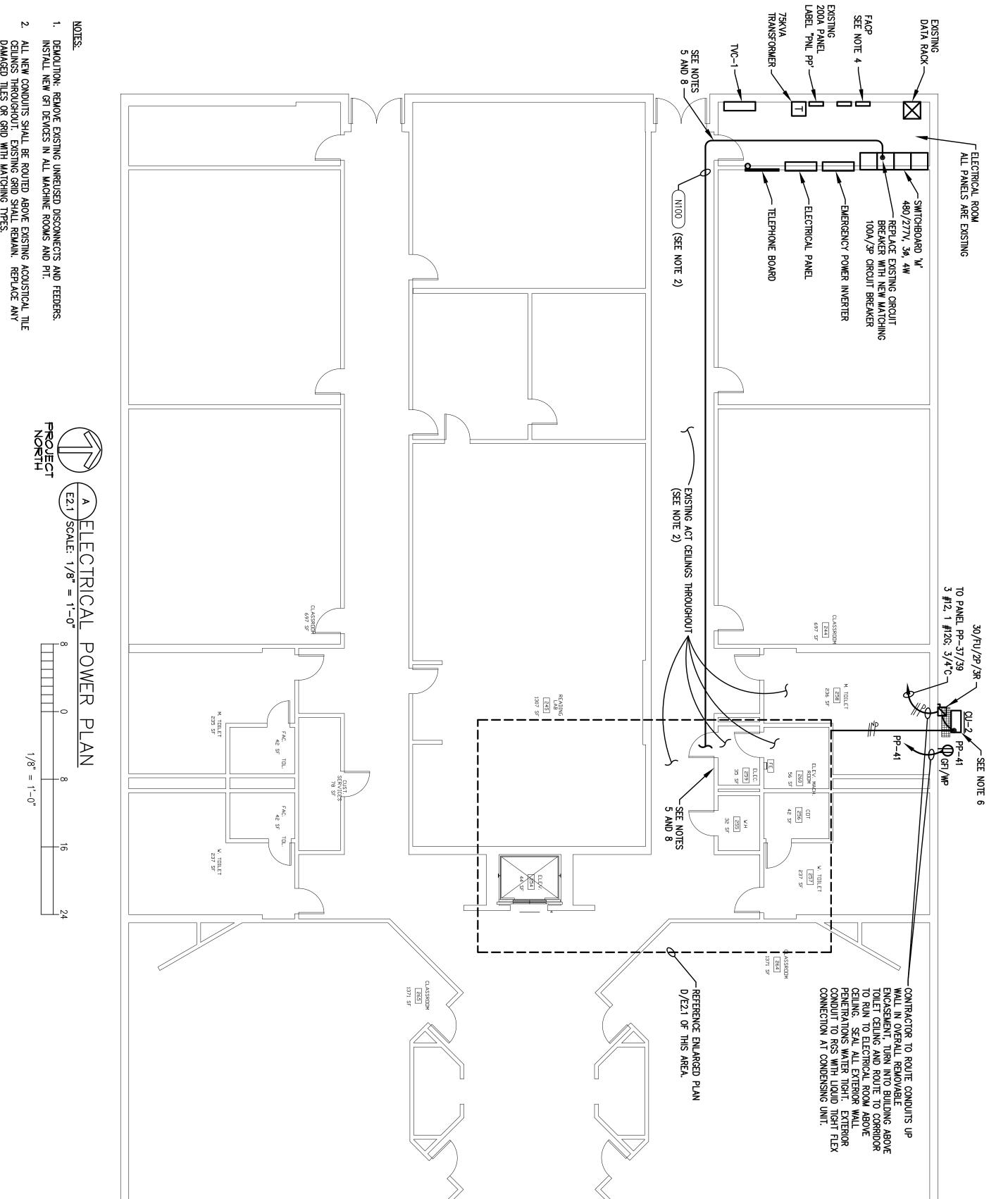


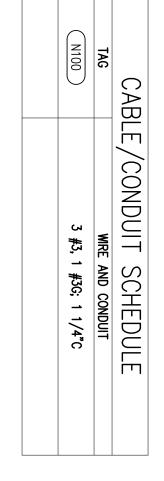
- Provide Bussman Power Module Switch or Equal For Elevator Disconnect. Provide Cat. # PS1-T48-RI-K-G-A-F1 with Auxiliary Contacts for Elevator Recall Installer's use and for Monitoring By Fire Alarm System.
 - - FIRE CAULK ALL NEW CONDUIT PENETRATIONS OF CORRIDOR WALLS. FIRE CAULK EXISTING UNSEALED CONDUIT PENETRATIONS WHERE ENTERING MAIN ELECTRICAL ROOM, ELECTRICAL ROOM 259 AND ELEVATOR MACHINE ROOM. COORDINATE MITH HVAC INSTALLER FOR ACTUAL EQUIPMENT BEING INSTALLED.

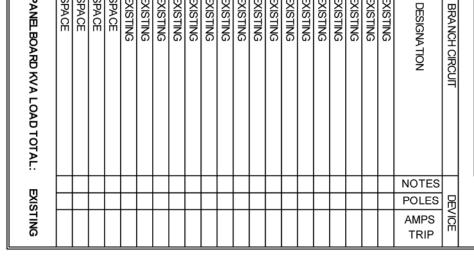
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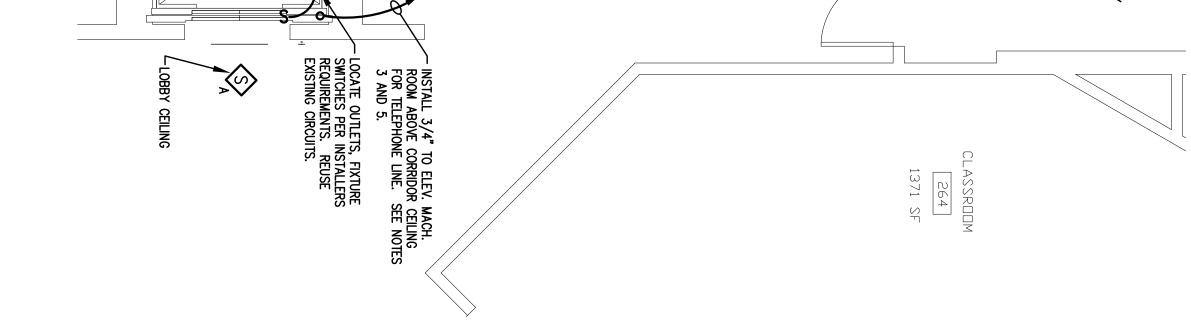
- EXISTING FIRE ALARM PANEL IS SIMPLEX 4010 INCLUDE ALL COSTS OF MODIFICATIONS TO EXISTING FIRE ALARM FOR NEW DETECTORS AND FIREMEN'S RECALL FUNCTIONS.
- EXISTING TELEPHONE LINE APPEARS TO ROUTE DIRECTLY TO ELEVATOR FROM ELECTRICAL ROOM. COORDINATE WITH NEW ELEVATOR INSTALLER AND PROVIDE REQUIRED CONDUIT AND TELEPHONE CABLING TO ELEVATOR.
- - ALL NEW CONDUITS SHALL BE ROUTED ABOVE EXISTING ACOUSTICAL TILE CEILINGS THROUGHOUT. EXISTING GRID SHALL REMAIN. REPLACE ANY DAMAGED TILES OR GRID WITH MATCHING TYPES.

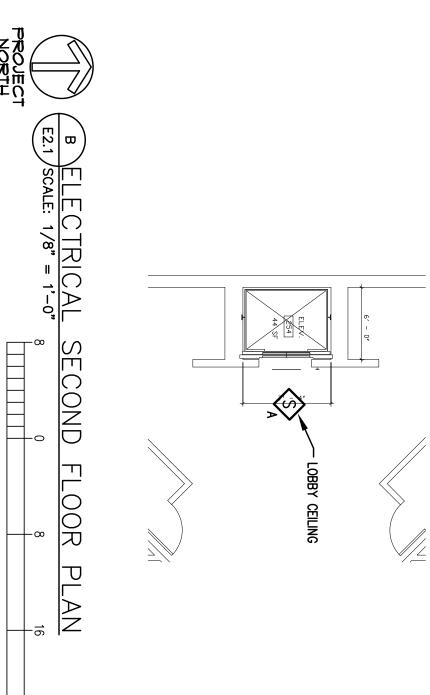
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