

# USC AIKEN: HUMANITIES & SOCIAL SCIENCES ELEVATOR MODERNIZATION

AIKEN, SOUTH CAROLINA  
OSE # H-29-9542-JM  
AUGUST 28, 2013

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## ARCHITECTURAL DRAWING LIST

Sheet Number	Sheet Name
G-0	COVER SHEET & GENERAL INFORMATION
A-1	ENLARGED ELEVATOR PLANS, CODE SUMMARY, DOOR SCHED & DETAILS

## MECHANICAL DRAWING LIST

M-1	MECHANICAL PLANS
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## ELECTRICAL DRAWING LIST

E0-1	ELECTRICAL LEGENDS AND DETAILS
E1-1	ELECTRICAL PLANS AND DETAILS FOR HUMANITIES & SOCIAL SCIENCES BLDG

NO.	NUMBER	EXT.	EXTERIOR	P.P.	PUSH PLATE
#	NUMBER OR POUND	F.D.	FLOOR DRAIN	PT.	PATIENT
&	AND	F.E.	FIRE EXTINGUISHER	PROC.	PROCEDURE
@	AT	F.H.C.	FIRE HOSE CABINET	PROTECT.	PROTECTION
A.C.T.	ACOUSTICAL CEILING TILE	F.F.	FINISH FLOOR	R.	RADIUS
A.F.F.	ABOVE FINISH FLOOR	FIN.	FINISH	R.C.P.	REFLECTED CEILING PLAN
ADJ.	ADJUSTABLE	FLR.	FLOOR	REFRIG.	REFRIGERATOR
ALUM.	ALUMINUM	FT.	FOOT	REINF.	REINFORCEMENT
BATT.	BATTING	GA.	GAUGE	REQ'D.	REQUIRED
BD.	BOARD	GALV.	GALVANIZED	S.	STAFF
BLDG.	BUILDING	G.W.B.	GYPSUM WALL BOARD	S.A.B.	SOUND ATTENUATION BLANKETS
BRK.	BRICK	H.O.	MAGNETIC HOLD OPEN	S.A.T.	SUSPENDED ACOUSTIC TILE
C.	CENTER LINE	H.V.C.	HOSE VALVE CABINET	S.C.	SOUTH CAROLINA
C.G.	CORNER GUARD	H.V.A.C.	HEATING, VENTILATING & AIR CONDITIONING	S.F.	SQUARE FEET
C.J.	CONTROL JOINT	INFO.	INFORMATION	SM.	SIMILAR
CLR.	CLEAR	INSUL.	INSULATION	SPEC.	SPECIFICATIONS
CLG.	CEILING	INT.	INTERIOR	STER.	STERILE
C.M.U.	CONCRETE MASONRY UNIT	KC.	KEYCARD	STOR.	STORAGE
COL.	COLUMN	LB.	POUND	STL.	STEEL
CONC.	CONCRETE	M.O.	MASONRY OPENING	STRUCT.	STRUCTURAL
CONST.	CONSTRUCTION	MFG.	MANUFACTURER	TEMP.	TEMPERED
CONT.	CONTINUOUS	MECH.	MECHANICAL	TOIL.	TOILET
CORR.	CORRIDOR	MIN.	MINUTE	T.M.E.	TO MATCH EXISTING
CPT.	CARPET	MTL.	METAL	TYP.	TYPICAL
D.M.	DIETARY MEDICINE	N.B.G.	NOT IN CONTRACT	U.N.O.	UNLESS NOTED OTHERWISE
D.S.	DOWNSPOUT	N.C.	NONBEARING	VERT.	VERTICAL
DA.	DIAMETER	O.C.	ON CENTER	V.O.J.	VERIFY ON JOB
DRY.	DRYER	O.H.	OPPOSITE HAND	V.P.C.	VINYL WALL COVERING
DWGS.	DRAWINGS	O.M.	OCCUPATIONAL MEDICINE	WASH.	WASHER
E.I.F.S.	EXTERIOR INSULATED FINISH SYSTEM	P.	PLATE	W.F.F.	WELDED WIRE FABRIC
E.J.	EXPANSION JOINT	P.L.	PLASTIC LAMINATE	WD.	WOOD
E.W.C.	ELECTRIC WATER COOLER	P.LAM.	PLASTIC LAMINATE		
ELEC.	ELECTRICAL	PARTNS	PARTITIONS		
ELEV.	ELEVATION	PLYWD.	PLYWOOD		
ENCL.	ENCLOSURE				
EQ.	EQUAL				
ETC.	ET CETERA				
EXIST.	EXISTING				

## CONSTRUCTION TERMS & ABBREVIATIONS

1 1/2" = 1'-0"

- 1) ALL CONTRACTORS AND SUB-CONTRACTORS ARE TO REVIEW ARCHITECT'S DRAWINGS AS WELL AS ENGINEER'S DRAWINGS AND COORDINATE EACH WITH THEIR SPECIFIC FIELD. REFER ANY QUESTIONS OR CONFLICTS TO ARCHITECT BEFORE BEGINNING CONSTRUCTION.
- 2) WHEN INDIVIDUAL DRAWINGS DO NOT AGREE WITH EACH OTHER OR DRAWINGS AND SPECIFICATIONS DO NOT AGREE WITH EACH OTHER, THE ARCHITECT SHALL DETERMINE WHICH IS CORRECT AND TO BE FURNISHED, SUPPLIED AND/OR INSTALLED UNDER THIS CONTRACT. CONTRACTOR SHALL INCLUDE IN HIS BID THE MOST RESTRICTIVE OR COSTLY ALTERNATIVE.
- 3) CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY POSSIBLE CONFLICTS PRIOR TO INITIATING ANY WORK IN QUESTION.
- 4) GENERAL CONTRACTOR SHALL VERIFY EXISTENCE OF ALL UNDERGROUND UTILITIES AND PIPING AND PROTECT BEFORE BEGINNING WORK. GENERAL CONTRACTOR SHALL EMPLOY A LOCATION SERVICE AT HIS EXPENSE AND WILL BE RESPONSIBLE FOR ANY REPAIRS NECESSARY AS A RESULT OF DAMAGES CAUSED BY CONSTRUCTION OPERATIONS.
- 5) ALL DOORS SHALL BE INSTALLED WITH MINIMUM CLEARANCES AS SHOWN ON A10-G U.N.O.
- 6) TYP. ALL EXTERIOR WALLS - FILL VOIDS WITH BATT INSUL. WHERE CMU IS FRAMED AROUND BEAMS AND BAR JOISTS AT ROOF DECK.
- 7) FILL ALL PENETRATIONS (I.E. PLUMBING, MECHANICAL, ELECTRICAL) IN RATED WALLS WITH UL RATED COATED MINERAL WOOL AND COAT WITH UL RATED FIRE STOP COATING.
- 8) ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL PLUMBING CODE, THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL STATE OF FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
- 9) ALL CONSTRUCTION SHALL BE HANDICAPPED ACCESSIBLE AND COMPLY WITH BARRIER FREE DESIGN AND OTHER APPLICABLE STANDARDS.
- 10) DIMENSIONS SHOWN FOR EXTERIOR DOORS AND WINDOWS ARE TO MASONRY OPENINGS UNLESS OTHERWISE NOTED. ALL OTHER DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
- 11) DUE TO THE NATURE OF THE PROJECT, ALL DIMENSIONS SHOULD BE FIELD VERIFIED BEFORE ANY WORK IS PERFORMED. CONTRACTOR SHALL VERIFY CONDITIONS OF ALL EXISTING WALLS, STRUCTURE, MATERIALS, FINISHES OR SUBSTRATES TO VERIFY COMPATIBILITY W/ PROPOSED NEW CONSTRUCTION.
- 12) DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH THE WORK.

## GENERAL CONSTRUCTION NOTES

1/8" = 1'-0"

- 1 HOUR RATED FIRE WALL
- 2 HOUR RATED FIRE WALL
- 45-S MIN. FORTY-FIVE MINUTE "S" RATED DOOR IN RATED FRAME
- FE SURFACE MNTD TYPE A,B,C DRY CHEMICAL FIRE EXTINGUISHER
- Room name ROOM NAME
- 101 ROOM NUMBER
- 101 DOOR NUMBER
- 1 BUILDING SECTION AND WALL SECTION CALLOUT
- 101 PLAN DETAIL CALLOUT
- 101 SHEET NUMBER
- 1 BUILDING NORTH
- 1 DRAWING REVISION

## SYMBOL & LIFESAFETY LEGEND

1 1/2" = 1'-0"

## HUMANITIES & SOC. SCIENCES KEY PLAN

1 1/2" = 1'-0"

## GENERAL DEMOLITION NOTES

1/4" = 1'-0"

1. THESE PLANS ARE BASED ON DRAWINGS OF THE EXISTING FACILITY AND SHOULD BE USED FOR REFERENCE ONLY IN REPRESENTING THE AS-BUILT CONDITIONS. THE CONTRACTOR SHOULD VERIFY EXISTING CONDITIONS PRIOR TO THE DEMOLITION OF ANY EXISTING MATERIALS OR THE PLACEMENT OF ANY NEW WORK.
2. DURING CONSTRUCTION, IF ANY HAZARDOUS MATERIALS ARE SUSPECTED, INCLUDING BUT NOT LIMITED TO ASBESTOS, MERCURY OR LEAD, THE CONTRACTOR SHOULD STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND ARCHITECT.
3. GC SHALL FIELD VERIFY EXISTING BUILDING AND BECOME FAMILIAR WITH EXISTING STRUCTURAL SYSTEM PRIOR TO DEMOLITION. REMOVE ITEMS IN SUCH A WAY AS NOT TO DAMAGE ADJACENT MATERIAL NOR STRUCTURAL INTEGRITY OF EXISTING BUILDING.
4. CONTRACTOR SHOULD REMOVE EXISTING PLUMBING AND ELECTRICAL EQUIPMENT/FIXTURES AS INDICATED ON DRAWINGS. ALL EXISTING PIPING AND CONDUIT SHOULD BE REMOVED AS NECESSARY TO INSTALL NEW FIXTURES IN NEW LOCATIONS AND TO BRING CURRENT SERVICE TO CODE.
5. ALL DEMOLITION AREAS SHALL BE CLEANED AND READY FOR NEW CONSTRUCTION AT THE END OF THE DEMOLITION.
6. PATCH AND REPAIR AND/OR MAKE READY ALL ADJACENT SURFACES TO RECEIVE NEW CONSTRUCTION.
7. CONTRACTOR SHALL CAREFULLY REMOVE AND PROPERLY DISPOSE OF ANY ELECTRICAL FIXTURES, CONDUIT WIRING, OUTLETS, FANS, WITHIN THE REMAINING SPACE AS REQUIRED TO ACCOMMODATE NEW WORK. CONTRACTOR SHALL IDENTIFY CIRCUITS IN EXISTING PANELS AS ELECTRICAL DEMOLITION OCCURS. EXAMINE EXISTING ELECTRICAL PANEL FOR POSSIBLE REUSE AS INDICATED ON THE ELECTRICAL DRAWINGS.
8. THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING STRUCTURE AND WALLS THAT ARE TO REMAIN.
9. ALL AREAS OF EGRESS SHALL REMAIN OPEN AND FREE OF DEBRIS DURING THE DURATION OF CONSTRUCTION.
10. CONTRACTOR SHALL REPLACE ALL DAMAGED ITEMS AS A RESULT OF DEMOLITION WORK.
11. COORDINATE AND COMPLY W/ ALL LOCAL CODES, ORDINANCES AND INSTRUCTION BY AUTHORITIES HAVING JURISDICTION.
12. THE GC IS RESPONSIBLE TO COMPLY WITH ALL OF USC AIKEN'S INFECTION CONTROL AND CONSTRUCTION PROCEDURES AND REGULATIONS REGARDING DUST BARRIERS, DAILY WORK CLEAN UP, SCHEDULING OF OPERATIONS AND NOTIFICATION OF THE APPROPRIATE SCHOOL PERSONNEL REGARDING SHUT DOWNS AND WORK SCHEDULES.
13. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND GETTING APPROVAL FOR TEMPORARY EXIT PLANS / EXIT SIGNAGE ETC.
14. COORDINATE HOURS OF OPERATION AT OCCUPIED AREAS. COORDINATE WORK TO AVOID DISRUPTION OF STAFF / STUDENT ACTIVITIES - NO EARLY MORNING OR LATE NIGHT NOISE, ETC.

USC AIKEN  
HUMANITIES & SOCIAL  
SCIENCES ELEVATOR  
REPLACEMENT  
OSE # H-29-9542-JM  
471 UNIVERSITY PARKWAY  
AIKEN, SC 29801



SHEET ISSUE:  
NO. DATE DESCRIPTION BY

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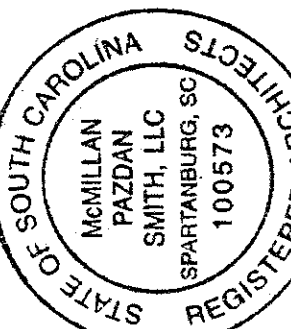
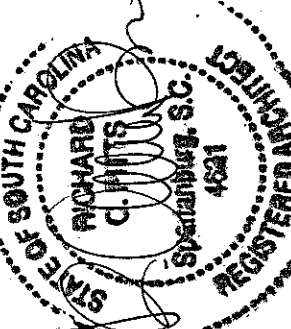
PRINCIPAL IN CHARGE: RGS  
PROJECT ARCHITECT: SN  
DRAWN BY: SN, HN

SHEET TITLE:  
COVER SHEET & GENERAL  
INFORMATION

SHEET NO. PROJ. NO.  
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G-0

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A-1

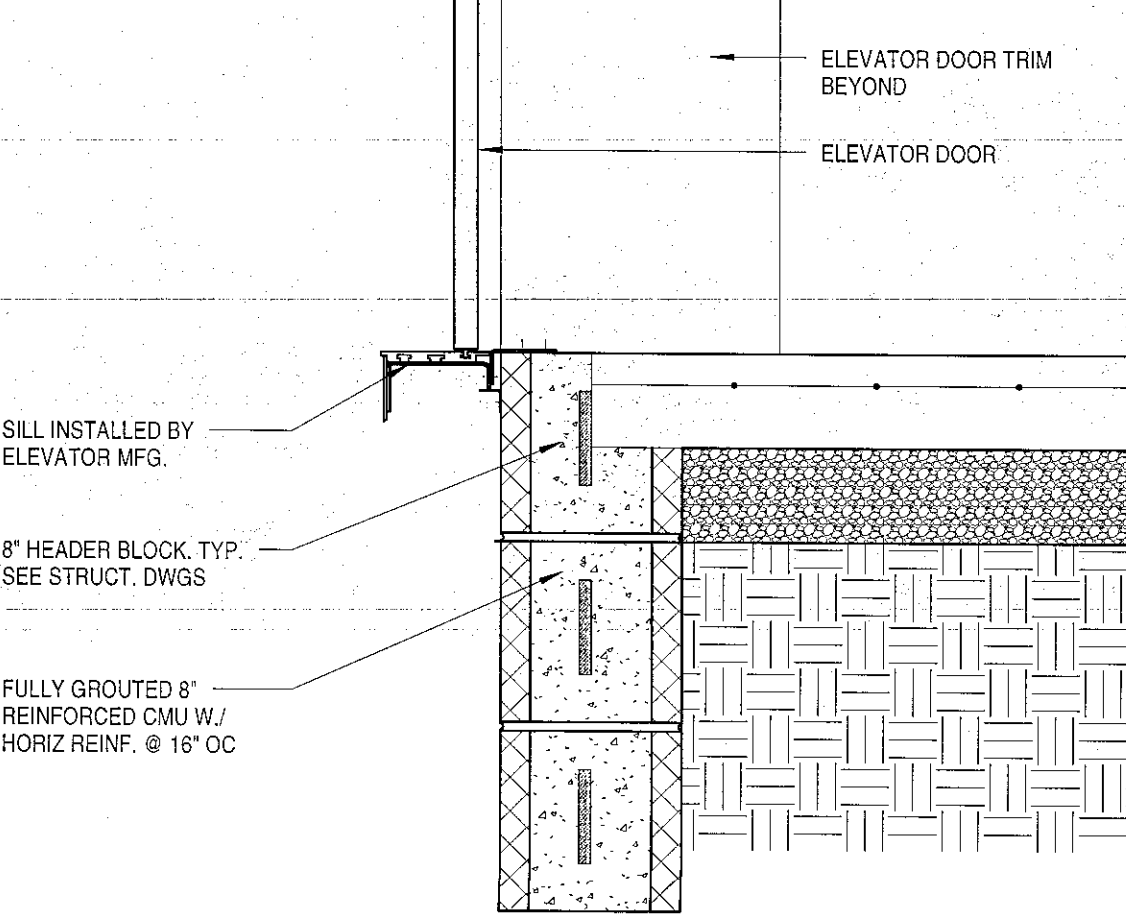
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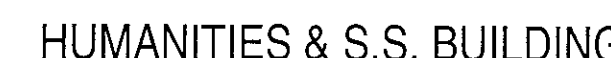
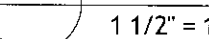
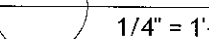
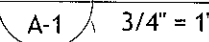
A4

 $1/4'' = 1'-0''$ 

4

**F**

1.1	1.1/2" = 1' 6"
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**DIMENSIONS:**  
MACHINE ROOM: 92 1/2" X 73"  
SHAFT SIZE: 88" X 72"  
PIT DEPTH: 48"  
FLOOR TO FLOOR: 168" +/-

2 STOPS

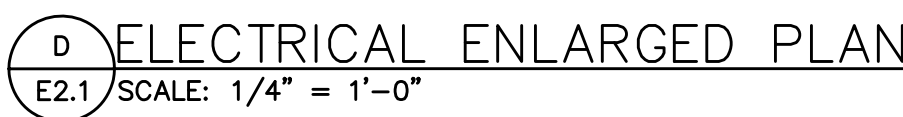
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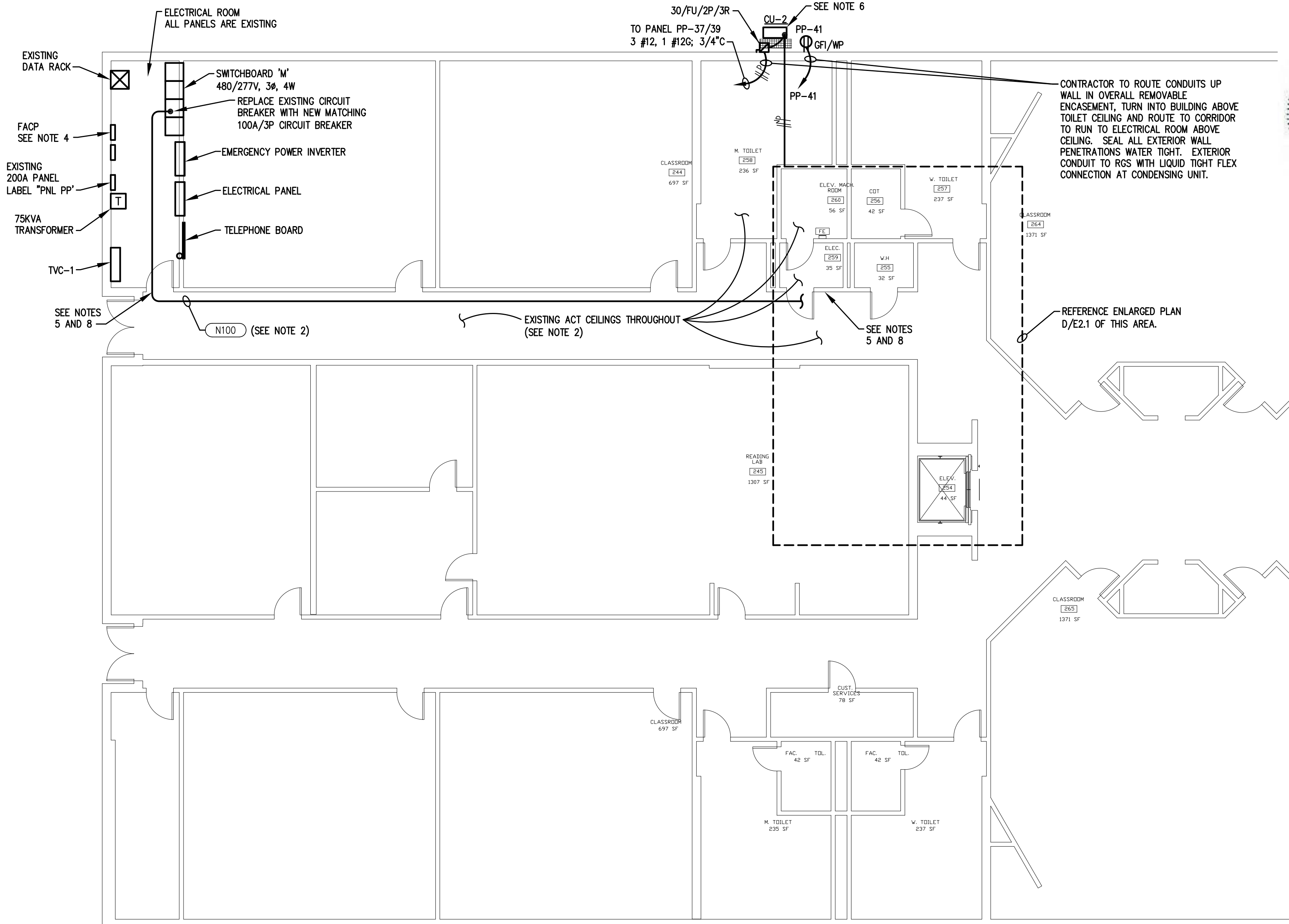
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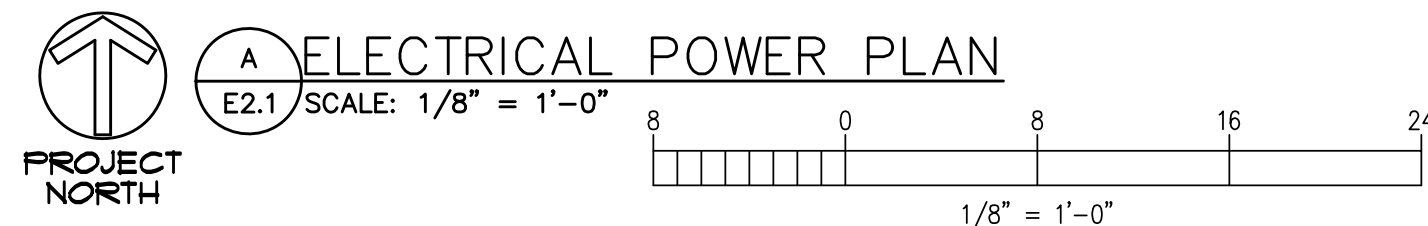
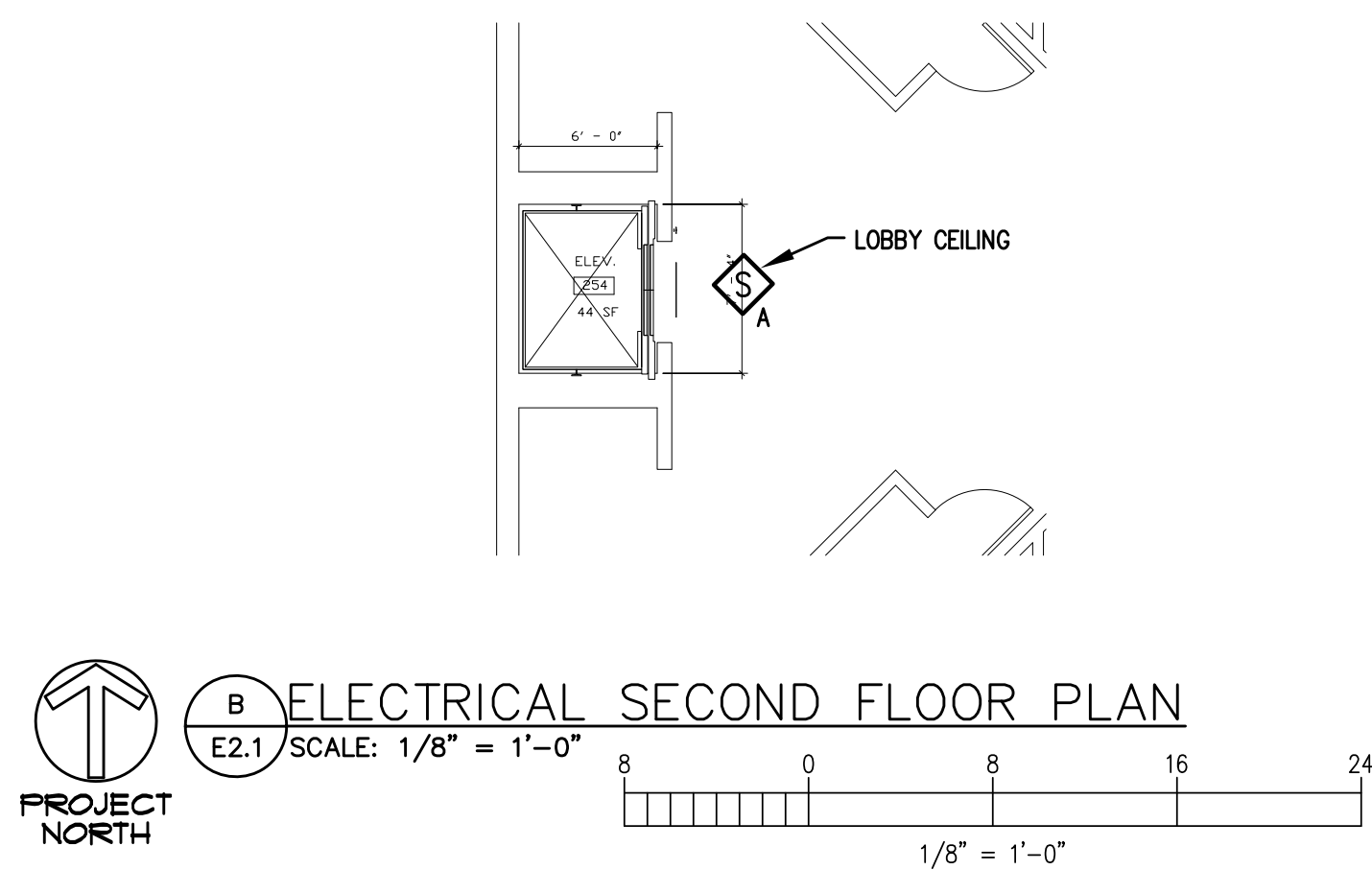


NOTES:

1. PROVIDE AND INSTALL NEW CIRCUIT BREAKERS. LABEL AS SHOWN.



- NOTES:
1. DEMOLITION. REMOVE EXISTING UNUSED DISCONNECTS AND FEEDERS. INSTALL NEW GFI DEVICES IN ALL MACHINE ROOMS AND PIT.
2. ALL NEW CONDUIITS SHALL BE ROUTED ABOVE EXISTING ACoustICAL TILE CEILINGs THROUGHOUT. EXISTING GRID SHALL REMAIN. REPLACE ANY DAMAGED TILES OR GRID WITH MATCHING TYPES.
3. EXISTING TELEPHONE LINE APPEARS TO ROUTE DIRECTLY TO ELEVATOR FROM ELECTRICAL ROOM. COORDINATE WITH NEW ELEVATOR INSTALLER AND PROVIDE REQUIRED CONDUIT AND TELEPHONE CABLEING TO ELEVATOR.
4. EXISTING FIRE ALARM PANEL IS SIMPLY 4010 INCLUDE ALL COSTS OF MODIFICATIONS TO EXISTING FIRE ALARM FOR NEW DETECTORS AND FREEMAN'S REPAIR FUNCTION.
5. FIRE CABLE ALL NEW CONDUIT PENETRATIONS OF CORRIDOR WALLS. FIRE CABLE EXISTING UNSEALED CONDUIT PENETRATIONS WERE EXTENSIVE MAIN ELECTRICAL ROOM, ELECTRICAL ROOM 259 AND ELEVATOR MACHINE ROOM.
6. COORDINATE WITH HVAC INSTALLER FOR ACTUAL EQUIPMENT BEING INSTALLED.
7. PROVIDE BUSSMAN POWER METER SWITCH OR K-A-FI FOR ELEVATOR DISCONNECT. PROVIDE CAT. # PSI-148-R-K-G-A-41 WITH AUXILIARY CONTACTS FOR ELEVATOR RECALL INSTALLER'S USE AND FOR MONITORING BY FIRE ALARM SYSTEM.
8. ALL EXISTING GROUNDS AND CONDUITS BEING REUSED SHALL BE CHECKED FOR CORROSION, CORROSION, COLOR CODING AND CONDUIT SUPPORTS. CORRECTIONS AS REQUIRED.





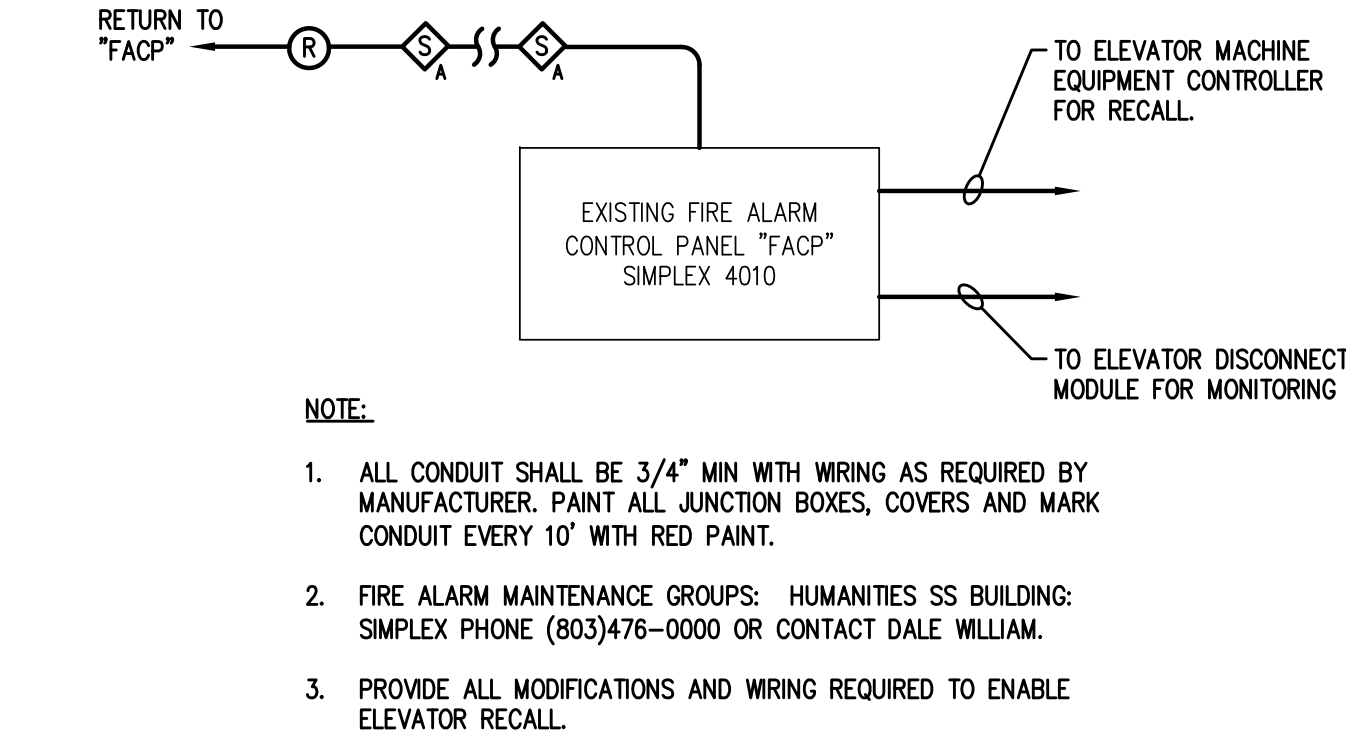
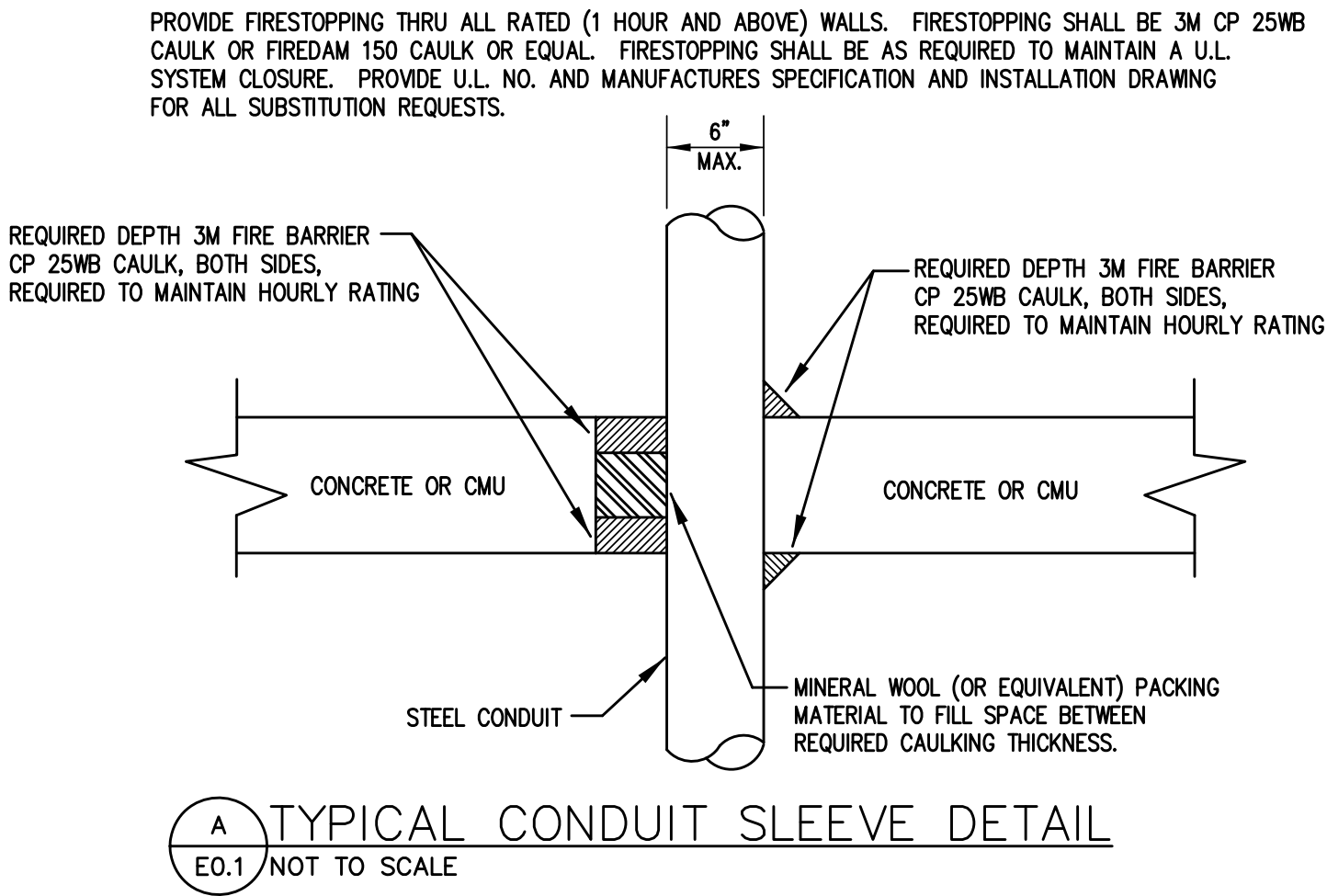
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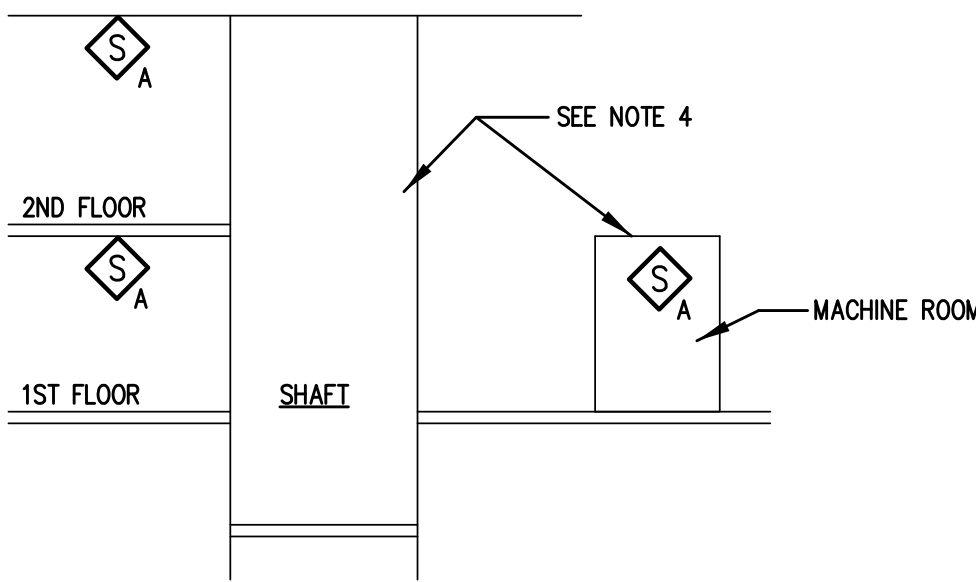


**FIRE ALARM RISER DIAGRAM (TYPICAL FOR 3)**  
E0.1 NOT TO SCALE

**ELEVATOR RECALL SYSTEM NOTES**

**OPERATION:**

1. UPON SENSING SMOKE FROM ANY OF THE LOBBY, SHAFT OR MACHINE ROOM SMOKE DETECTORS, BRING ELEVATOR TO MAIN RECALL LEVEL. IF INITIATING DETECTOR IS ON MAIN RECALL LEVEL, BRING TO ALTERNATE RECALL LEVEL. COORDINATE EXACT LEVELS WITH AUTHORITY HAVING JURISDICTION.
2. THE BUILDING IS NOT SPRINKLED. THERE IS NOT A REQUIREMENT FOR SHUNT TRIP. NO SMOKE DETECTORS ARE IN SHAFT PER NFPA 72 21.3.6 (2010).
3. PROVIDE GENERAL ALARM TO FIRE ALARM PANEL WHEN ANY DETECTOR IS ACTIVATED. ALL DETECTORS SHOWN SHALL HAVE AUXILIARY CONTACTS.
4. NO ELECTRICAL CONDUIT OR CABLING IS ALLOWED IN SHAFT OR MACHINE ROOM UNLESS IT PERTAINS TO THE ELEVATOR.



**ELEVATOR RECALL SYSTEM**  
E0.1 NOT TO SCALE

SYMBOL	DESCRIPTION
	HOME RUN TO LIGHTING/SERVICE PANEL. HASH MARKS, WHEN SHOWN, INDICATE NUMBERS OF CONDUCTORS. "H" INDICATES HOT WIRE, "N" INDICATES NEUTRAL CONDUCTOR, "G" INDICATES GROUND CONDUCTOR. HOME RUN NOTE INDICATES PANEL NAME AND CIRCUIT NAME OR FEEDER TAG. CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT UNLESS NOTED OTHERWISE. ANY HOME RUN OR CONDUIT WITHOUT HASH MARKS IS TO CONTAIN 3 CONDUCTORS: 1 HOT, 1 NEUTRAL, AND 1 EQUIPMENT GROUND. EXCEPT THAT CIRCUITS SUPPLYING ISOLATED GROUND TYPE RECEPTACLES SHALL ADDITIONALLY CONTAIN A SEPARATE ISOLATED GROUND CONDUCTOR.
	EXPOSED CONDUIT
	CONDUIT RUN IN SLAB OR UNDERGROUND.
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS, UNLESS NOTED OTHERWISE.
	CONDUIT JUNCTION IN CONDUIT OR JUNCTION BOX.
	FLEXIBLE CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	JUNCTION BOX STEM INDICATES WALL MOUNTED
	JUNCTION BOX FLOOR MOUNTED
	LIGHTING OR SERVICE PANEL, SURFACE MOUNTED.(208V)
	LIGHTING OR SERVICE PANEL, FLUSH MOUNTED.(208V)
	MAIN DISTRIBUTION PANEL, FLUSH MOUNTED.
	MOTOR, HORSEPOWER AS SHOWN.
	SAFETY DISCONNECT SWITCH. "30" INDICATES AMP RATING, "20" INDICATES FUSE SIZES, "3P" INDICATES NUMBER OF POLES, ENCLOSURE TO BE NEMA 1 UNLESS NOTED OTHERWISE (3R, 4X, ETC.) SQUARE D H3000 SERIES HEAVY DUTY SAFETY SWITCH. PROVIDE AUXILIARY CONTACTS WHERE REQUIRED FOR ELEVATOR FEEDER.
	CONNECTION TO A SPECIFIC PIECE OF EQUIPMENT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PROVIDER / INSTALLER OF THE EQUIPMENT.
	<b>WIRING DEVICES</b> NOTE: ALL WIRING DEVICES TO BE IVORY, WITH #302 STAINLESS STEEL COVERPLATE (FLUSH MOUNTED) UNLESS NOTED OTHERWISE ON THE DRAWING OR SPECIFICATIONS. <b>SWITCH SYMBOLS</b> MANUAL MOTOR STARTER SINGLE POLE LIGHTING SWITCH 120-277 VOLT, 20 AMP, SPEC GRADE. LETTER ("S") DESIGNATES WHICH FIXTURES ARE CONTROLLED FROM WHICH SWITCHES WHEN MULTIPLE SWITCHES ARE USED ON ONE CIRCUIT. <b>STRAIGHT BLADE DEVICE SYMBOLS</b> 20A, 125V, 2P, 3W, NEMA 5-20R, DUPLEX RECEPTACLE. HUBBELL 5362-1 OR EQUAL. STANDARD POWER. "WP" DENOTES WEATHERPROOF COVER PLATE. "GFI" DENOTES GFCI TYPE. REPLACE EXISTING PIT AND MACHINE ROOM RECEPTACLES WITH NEW GFI TYPE.
	<b>FIRE ALARM, COMMUNICATIONS AND CONTROLS</b> COMBINATION DATA/TELEPHONE OUTLET WITH 1" CONDUIT AND TELEPHONE CABLE TO TELEPHONE BOARD. JACKS, CABLE AND BOX COVER BY SYSTEM INSTALLER. TELEPHONE BOARD, ROUTE NO. 6 AWG CU. GROUND TO SERVICE GROUND  FIRE ALARM CONTROL PANEL (EXISTING)  AREA SMOKE DETECTOR.  SMOKE DETECTOR, SAME AS ABOVE, EXCEPT SUPPLIED WITH 120 VOLT AUXILIARY CONTACTS  COMBINATION RATE OF RISE AND FIXED TEMPERATURE OR RATE COMPENSATED HEAT DETECTOR

ELECTRICAL GENERAL NOTES:	
1.	INSPECT SITE PRIOR TO SUBMITTING BID. DRAWINGS ARE INTENDED TO COVER THE REQUIRED ELECTRICAL SYSTEMS. DRAWINGS 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.
2.	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.
3.	FURNISH AND INSTALL ALL MATERIALS IN A NEAT AND WORKMANLIKE FASHION. ALL MATERIALS SHALL BE NEW, WITH FIRST QUALITY AND UL LABEL.
4.	VERIFY ALL DIMENSIONS AND CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT AND RACEWAYS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK WITH THAT OF ALL OTHER TRADES AS REQUIRED.
5.	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.
6.	PROVIDE GROUNDING FOR ALL EQUIPMENT IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
7.	ALL ENCLOSURES SHALL BE OF THE NEMA TYPE WHICH IS SUITABLE FOR THE APPLICATION.
8.	SEAL ALL CONDUIT PENETRATIONS TO MATCH RATING OF WALL BEING PENETRATED.
9.	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.
10.	ALL BREAKERS ON CIRCUITS SUPPLYING HVAC EQUIPMENT SHALL BE TYPE HACR BREAKERS.
11.	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.
12.	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.
13.	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 WITHOUT COST TO THE OWNER.
14.	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.
15.	ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO MEET SDG&C REQUIREMENTS OF 2006 IBC. CONTRACTOR SHALL PROVIDE DRAWINGS FOR ALL INSTALLATION METHODS AND MEET ALL REQUIREMENT PER AUTHORITY HAVING JURISDICTION.

GENERAL LIGHTING NOTES:	
1.	MANUFACTURERS & NUMBERS ARE LISTED TO ESTABLISH QUALITY ONLY AND NOT TO LIMIT COMPETITION. PRIOR TO BIDDING, SUBSTITUTIONS ARE ALLOWED SUBJECT TO SUBMITTAL DATA, PHOTOMETRICS & ENGINEERS APPROVAL AS REQUIRED BY SPECIFICATIONS.
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.
3.	ALL FIXTURES TO BE U.L. LABELED.
4.	PROVIDE ALL MOUNTING ACCESSORIES & HARDWARE REQUIRED.

LIGHTING FIXTURE SCHEDULE						
FIXTURE TYPE	FIXTURE DESCRIPTION	ACCEPTABLE MANUFACTURERS	MOUNTING HEIGHT	LAMPS	FIXTURE WATTAGE	VOLTAGE
PL	ELEVATOR PIT LIGHT, WALL MOUNTED, SCREW IN COMPACT FLUORESCENT, WITH GLOBE GUARD	CROUSE HINDS # VXH12GP OR EQUAL BY PAULHIN OR APPLETON	.	1-42W T4 SPIRAL	70	UNIVERSAL VOLTAGE OR MULTI-TAP

ABBREVIATIONS:			
ACT	ACOUSTICAL CEILING TILE	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
AFG	ABOVE FINISHED GRADE	MSB	MAIN SWITCHBOARD
ACH	ABOVE COUNTER HEIGHT	NTS	NOT TO SCALE
BKR	BREAKER	PH	PHASE
CU	COPPER	PNL	PANEL
CKT	CIRCUIT	RECP	RECEPTACLE (R.)
D	DEDICATED OUTLET	REQD	REQUIRED
DWG	DRAWING	SW	SWITCH
EC	ELECTRICAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
FU	FUSE	UGND	UNDERGROUND
FWE	FURNISHED WITH EQUIPMENT	W/	WITH
GFI	GROUND FAULT INTERRUPTER DEVICE	WP	WEATHER PROOF
LTG	LIGHTING (L)	XFMR	TRANSFORMER
MLO	MAIN LUGS ONLY		



USC AIKEN  
HUMANITIES & SOCIAL SCIENCES ELEVATOR REPLACEMENT  
OSE # H-29-9542-JM  
471 UNIVERSITY PARKWAY  
AIKEN, SC 29801



SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY

ISSUED FOR BID 08.28.13

PRINCIPAL IN CHARGE:	DJB
PROJECT ENGINEER:	DJB
DRAWN BY:	TMP

SHEET TITLE:  
ELECTRICAL LEGEND AND DETAILS

SHEET NO.	PROJ. NO. 011077.00
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