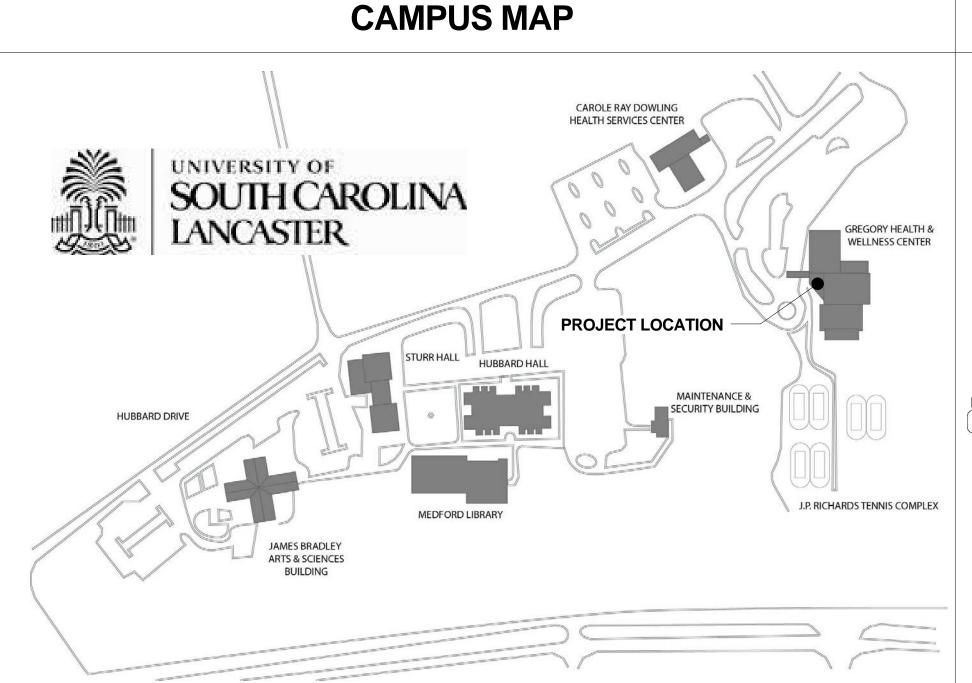
USC GREGORY CENTER HVAC UPGRADES & REFURBISHMENT

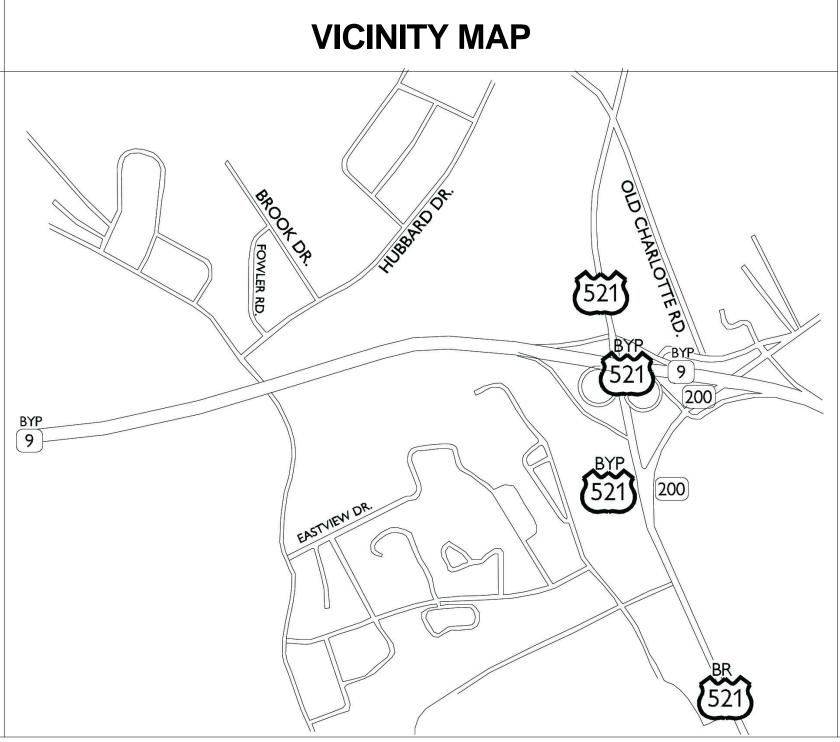
OSE # H37-9513 476 HUBBARD DRIVE LANCASTER, S.C. 29720 for

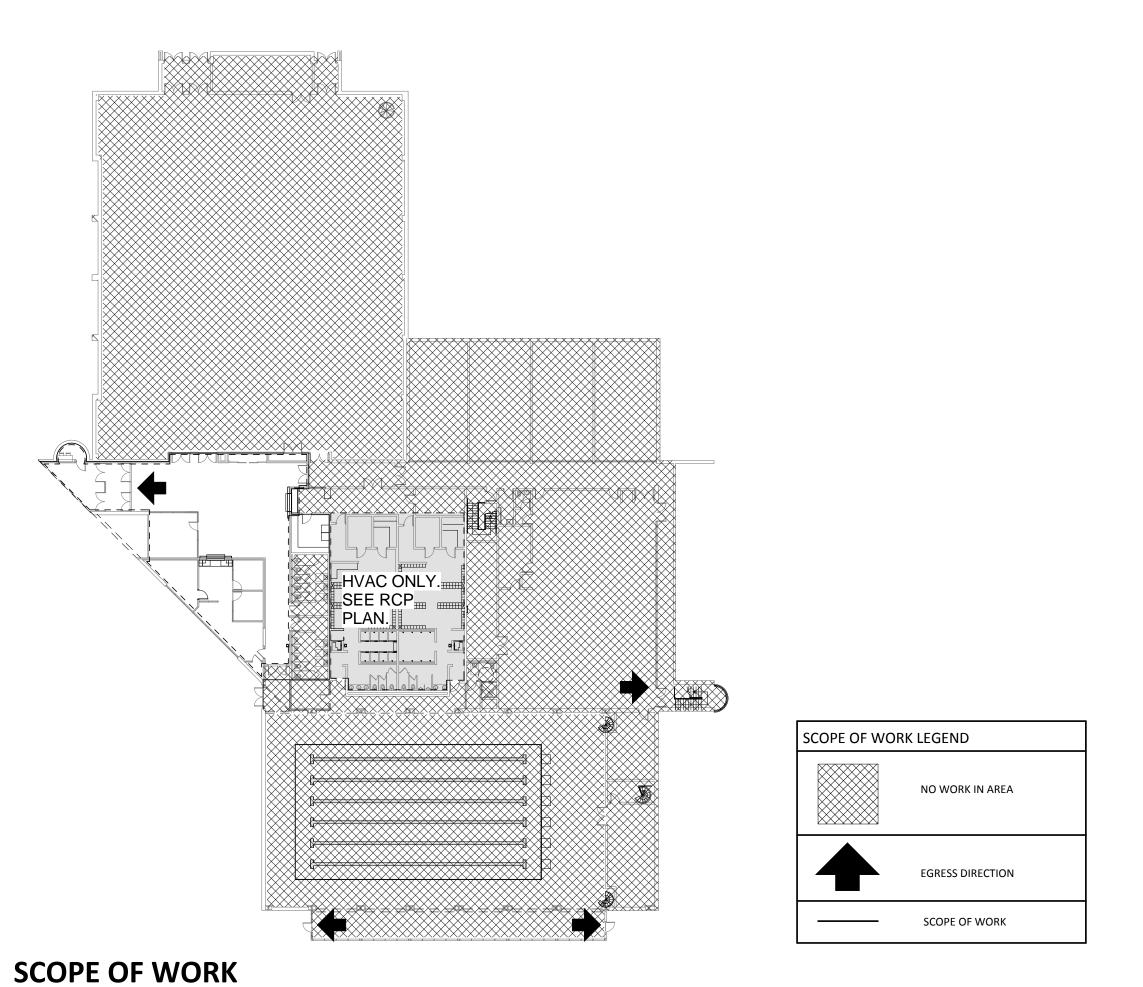


PROJECT TEAM

GENERAL CONTRACTOR ARCHITECTS INTERIOR DESIGNERS **ELECTRICAL ENGINEERS** TBD GOODWYN MILLS AND CAWOOD, INC. GOODWYN MILLS AND CAWOOD, INC. LAND ENGINEERING ASSOCIATES, LLC.







SCALE: 1/32" = 1'-0"

BUILDING	CODE SU	JMMARY					
Name of Project:	GREGO	DRY LOBBY RENOVATION					
Address:	476 Hubbard D	Or. Lancaster SC 29720					
Proposed Use:	LOBBY	(EXISTING)					
Owner or Authorized Agent:		USC LANCASTER		Phone #	(803) 313-7		
Owned By:		☐ City/County	☐ Private	State			
Code Enforcement	Jurisdiction:	OSE / USC	☐ County				

LEAD DESIGN PROFESSIONAL: Michael Keeshen, Architect 864.527.0460

YEAR EDITION OF CODE:	2012 International Existing	Building Code		
☐ New Construction	☐ Renovation (Existing Bldg.)	Upfit	☐ Alteration	
BUILDING DATA IBC				
Construction Type: Sprinklers: Standpipes: Fire District: Building Height: Mezzanine: High Rise: No Yes No Yes No Yes High Rise: Kon yes Rooss Building Area (sq. ft.): FLOOR	es	EXISTING	NEW	RENO/ UPFIT
BASEMENT		NA NA	NA	N.
FIRST FLOOR		22,555	0	3,24
SECOND FLOOR		15,055	00	
THIRD FLOOR		NA	NA_	N
FOURTH FLOOR		NA	NA	N.

BUILDING ELEMENT

Tenant Separation

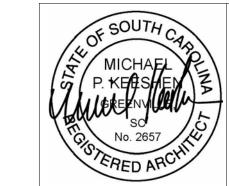
FIRE PROTECTION REQUIREMENTS Life Safety Plan Sheet #, if provided

NA (No Change to Corridor)

LIFE SAFETY SYSTEM F	REQUIREMEN ⁻	ΓS
Emergency Lighting:	☐ No	Yes
Exit Signs:	☐ No	Yes
Fire Alarm:	□No	Yes

Smoke Detection Systems: EXIT REQUIREMENTS NUMBER AND ARRANGEMENT OF EXITS

NO CHANGE TO EGRESS COMPONENTS



INDEX OF DRAWINGS

DEMOLITION PLANS

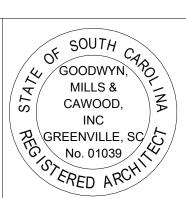
NEW CONSTRUCTION PLANS

INTERIOR ELEVATIONS &WALL SECTIONS

LIGHTING RENOVATION PLAN- FIRST FLOOR

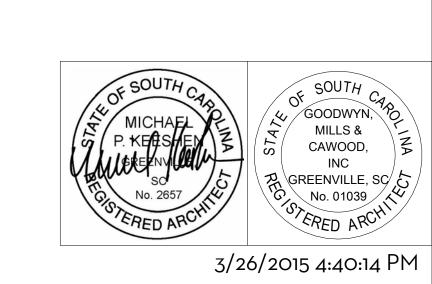
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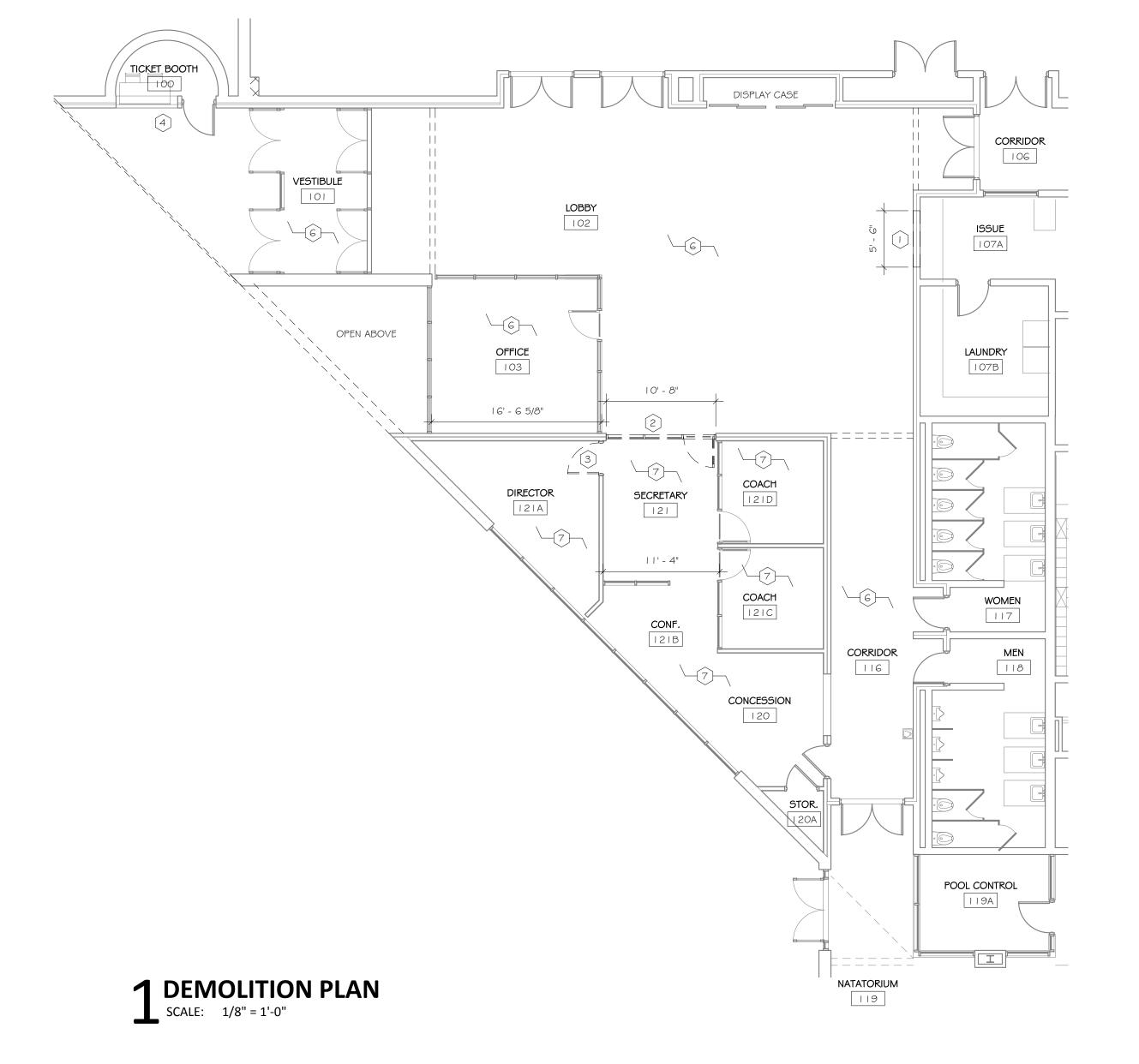
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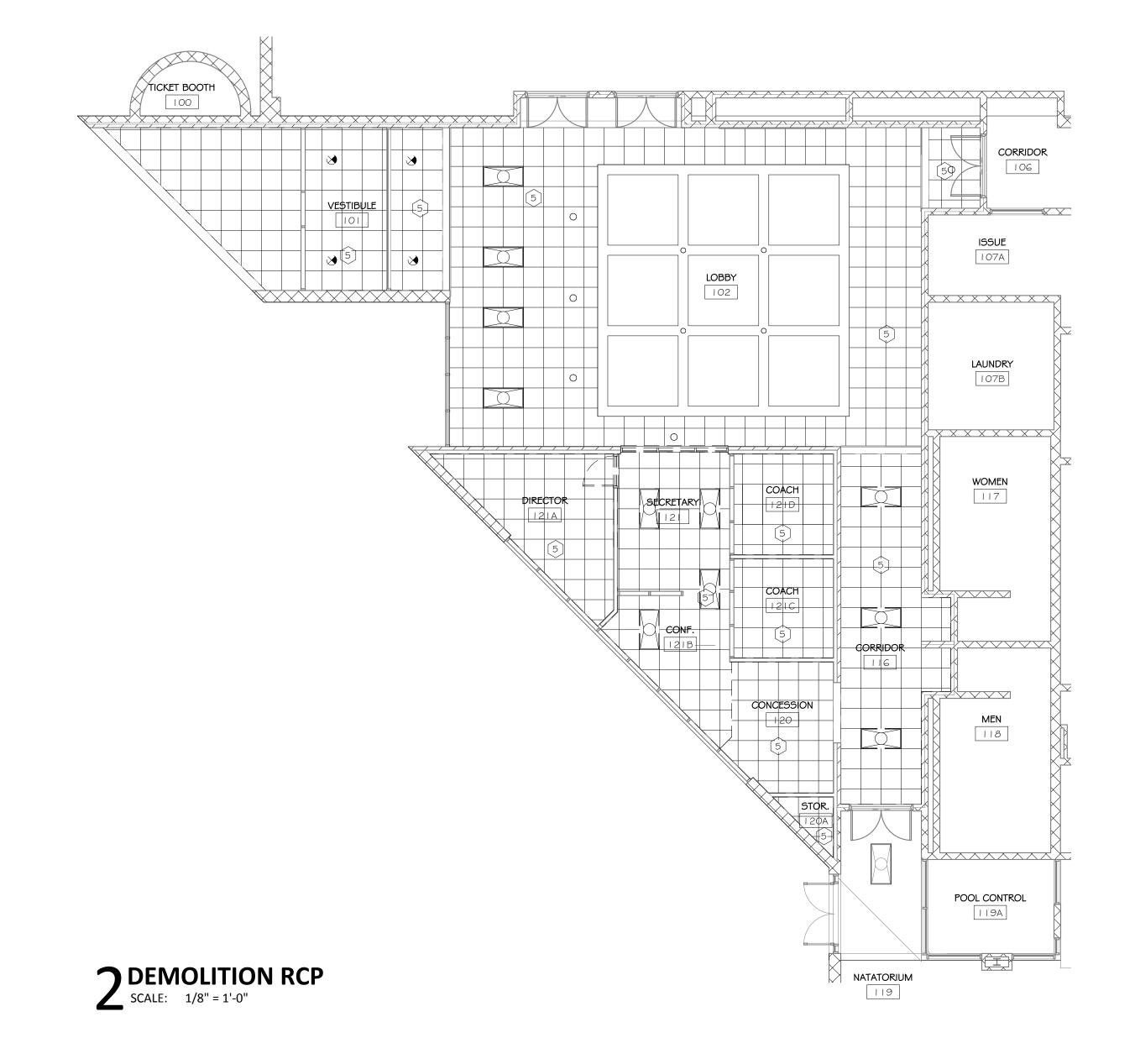


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GORY CENTER HVAC

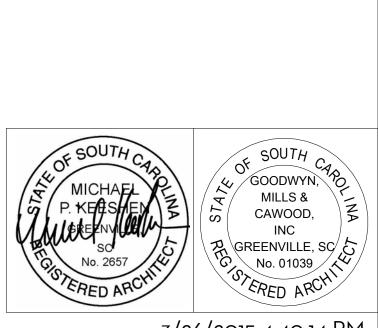






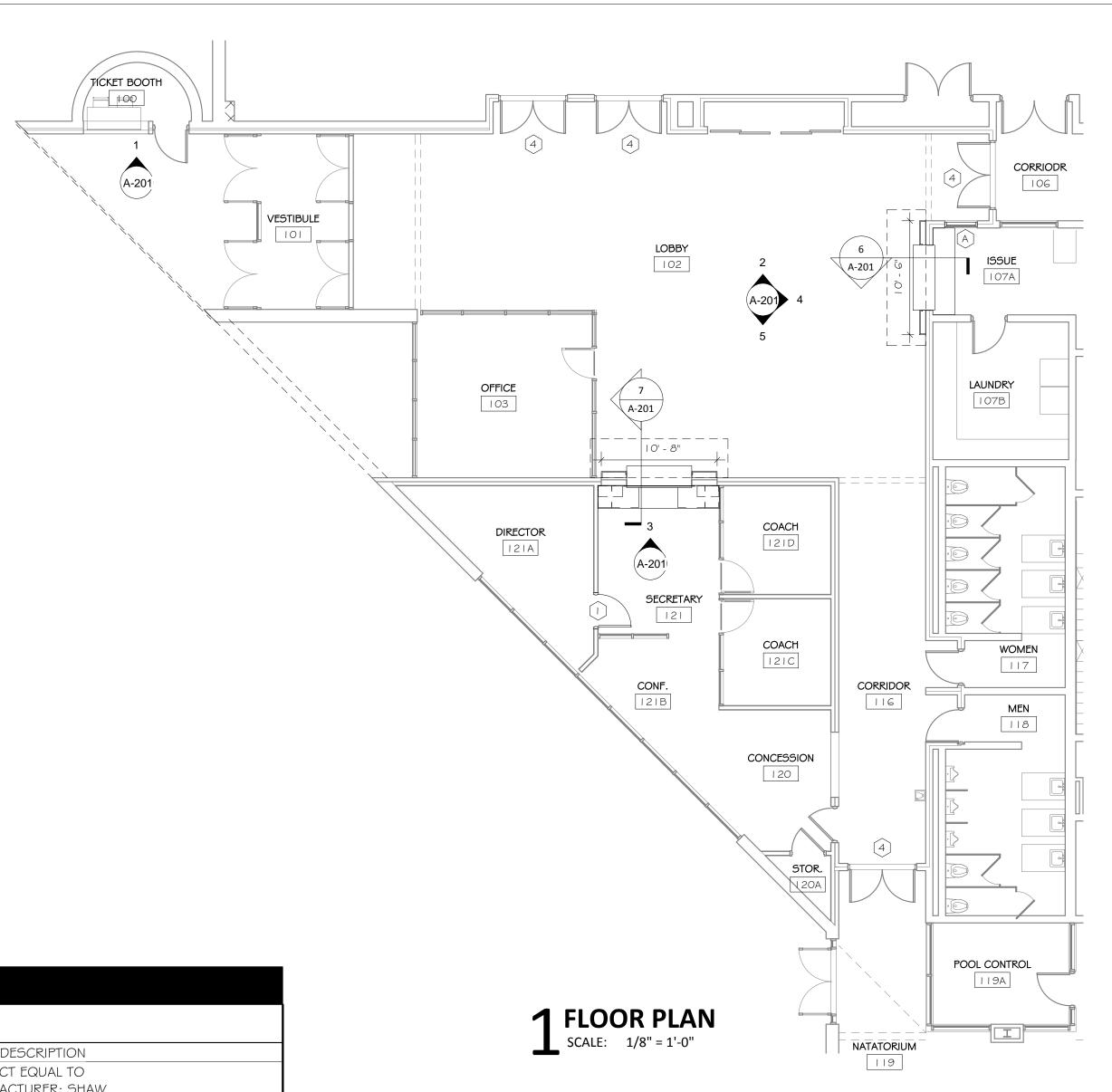
DEMOLITION NOTES

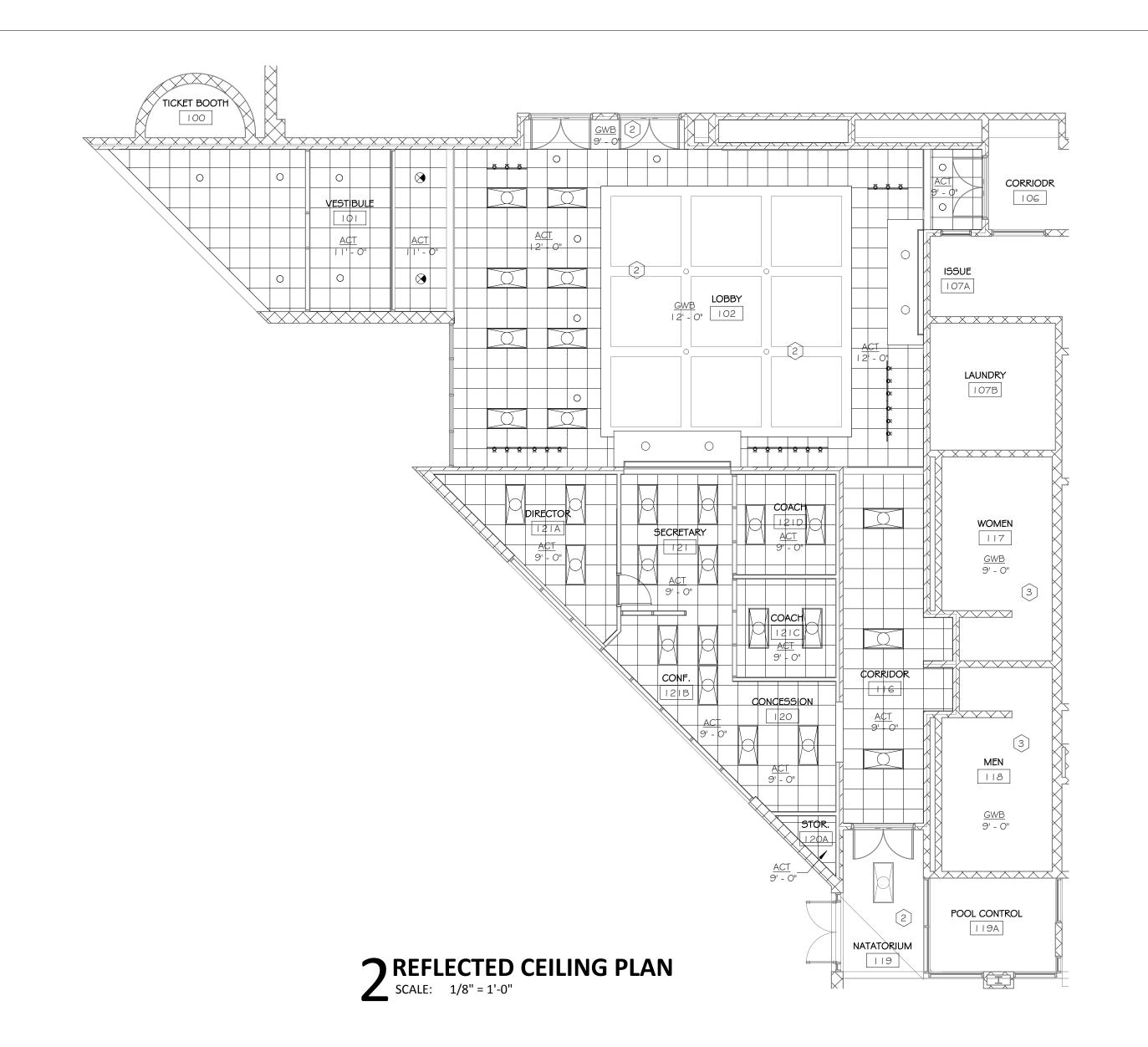
- ENLARGE WINDOW OPENING TO 3' X 6'
- 2 DEMOLISH STOREFRONT
- 3 REMOVE DOOR TO BE RELOCATED
- (4) REMOVE GLASS WINDOW PANE
- 5 DEMOLISH ACOUSTICAL TILE CEILING
- 6 DEMOLISH EXISTING VCT FLOORING, PREPARE FOR NEW FLOORING
- 7 DEMOLISH EXISTING CARPET FLOORING, PREPARE FOR NEW FLOORING

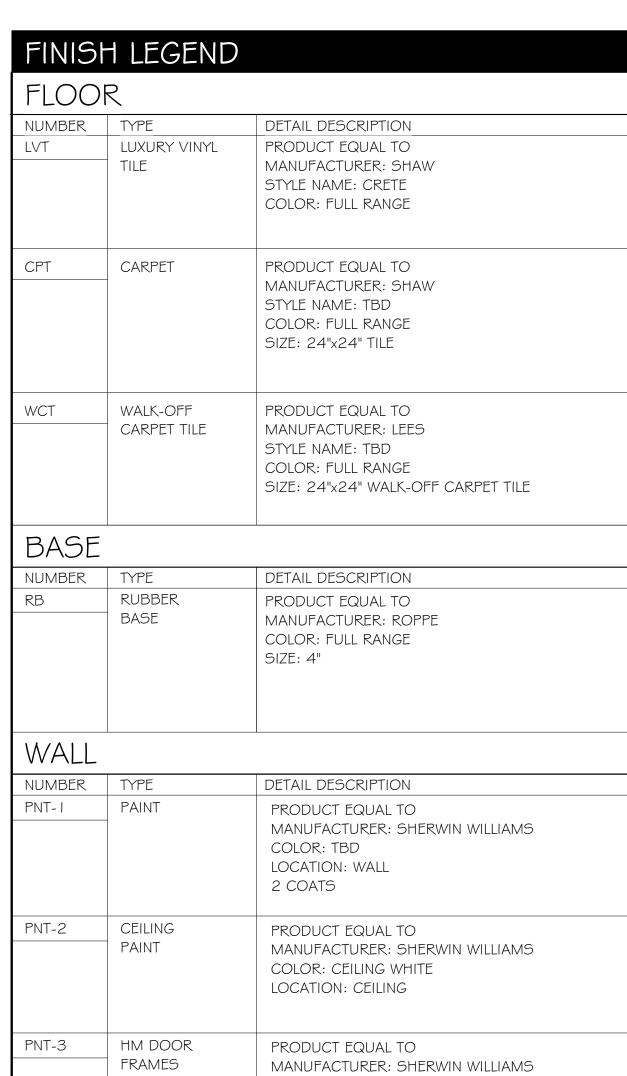


USC GREGORY CENTER HVAC UPGRADES & REFURBISHMENT

S



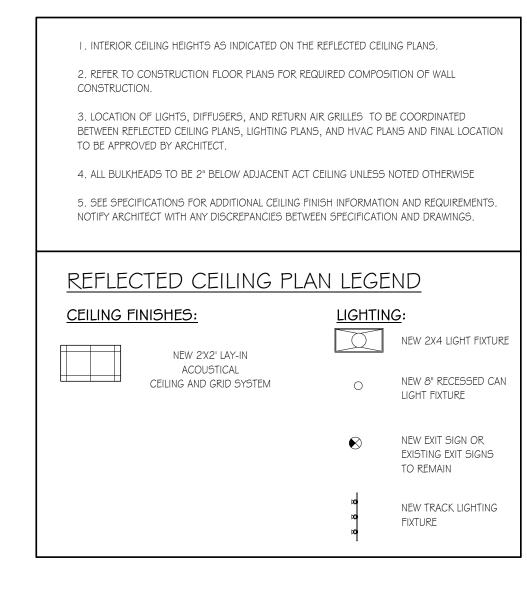




COLOR: BLACK

SEE NOTE 4

LOCATION: DOOR FRAMES



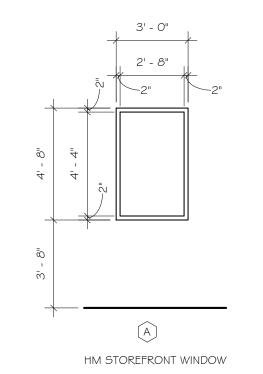
ETR = EXISTING TO REMAIN

KEYED NOTES

- RELOCATED DOOR
- 2 PAINT GYP CEILING AT SKYLIGHT PNT-2
- CONTRACTOR TO REPLACE 2 MOTORS(BALDOR (OR APPROVED EQUAL) CAT # L3408, FRAME 48, 1/3HP, 1 15/208-230V, 1725 RPM, 9F OF 1.35, REPLACE 4 4HOLE FLANGE BEARINGS(FOR 3/4 " SHAFT), AND REPLACE 2 3/4" SHAFT S. DURING THIS REFURBISHMENT, CONTRACTOR IS TO REUSE THE FAN HOUSING AND FAN BLADES
- 4 PAINT HM FRAME PNT-3

GENERAL NOTES

I. REFER TO SHEET E-2.00 FOR FULL LIGHTING SCOPE



WINDOW TYPE ASCALE: 1/4" = 1'-0"





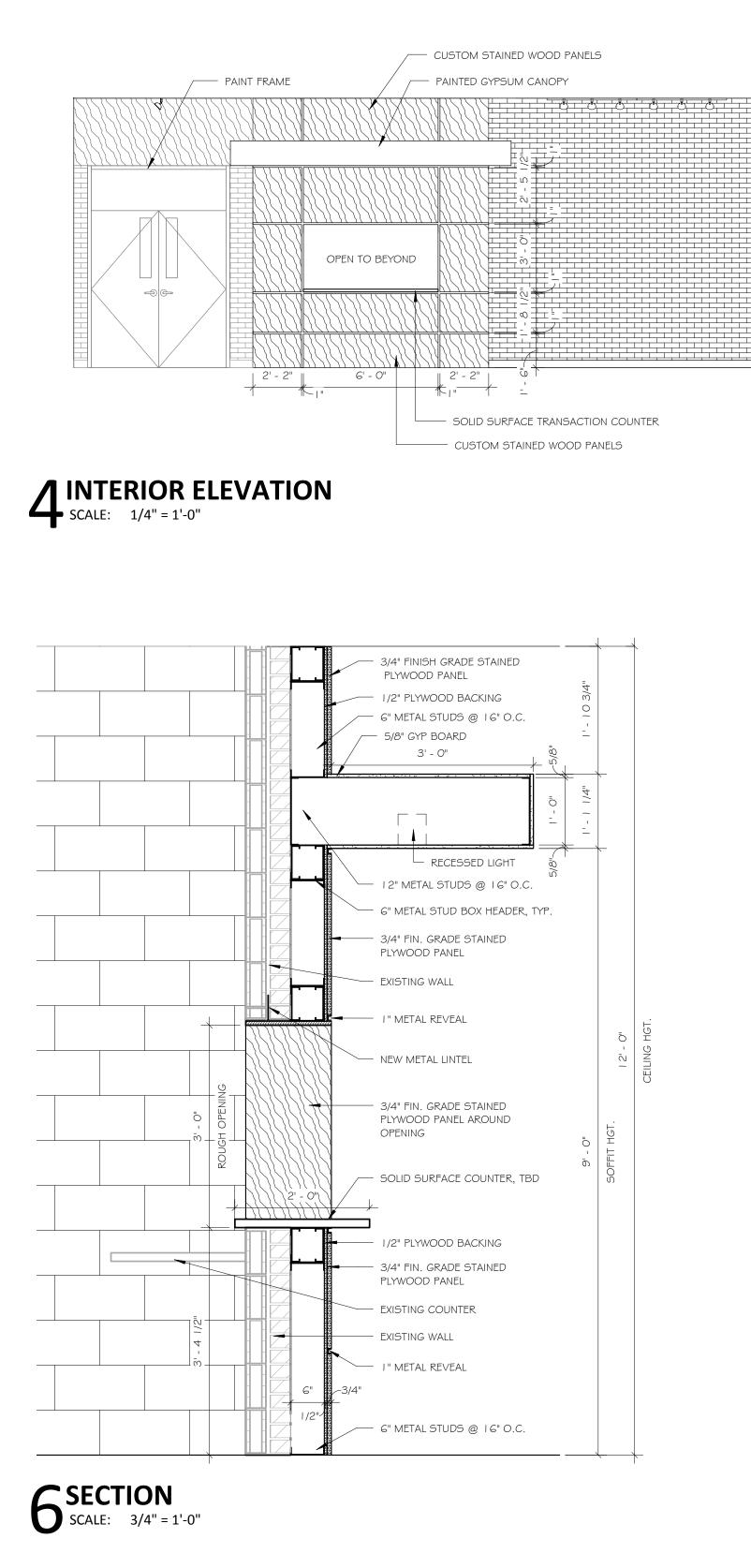


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NEW CONSTRUC PLANS PLANS

USC GREGORY CENTER HVAC UPGRADES & REFURBISHMENT drawn by: JJN/MEI

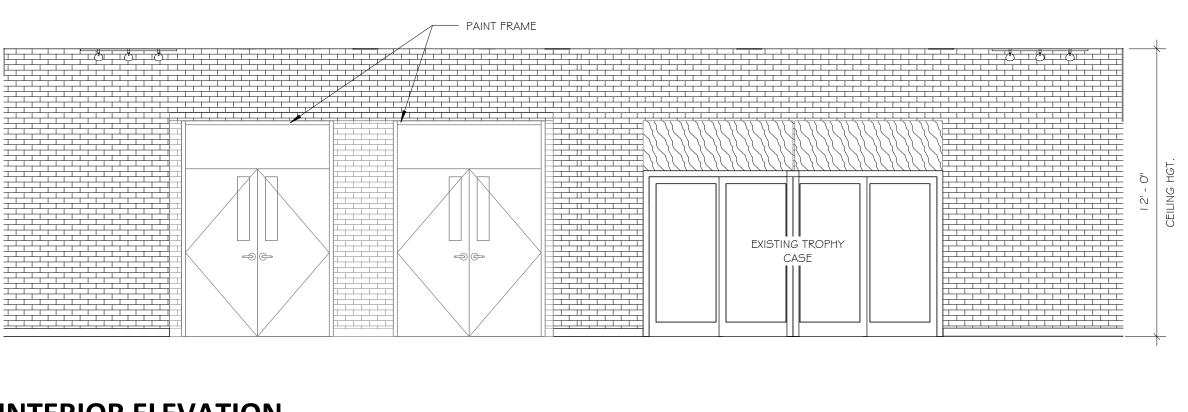
GMC OSE #

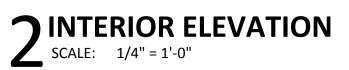


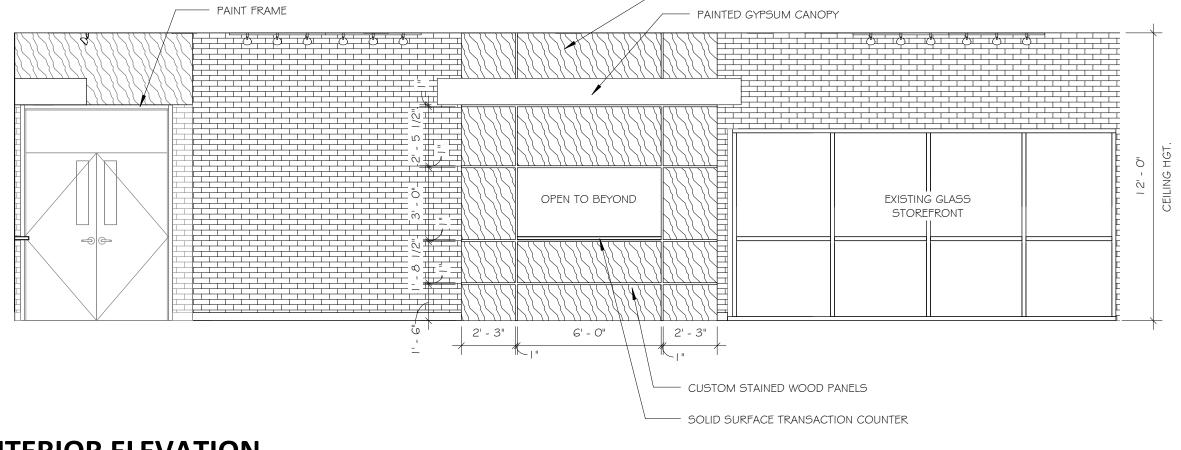
--- INFILL WITH SPANDREL PANEL

--- EXISTING WOOD PANEL TO REMAIN

1 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

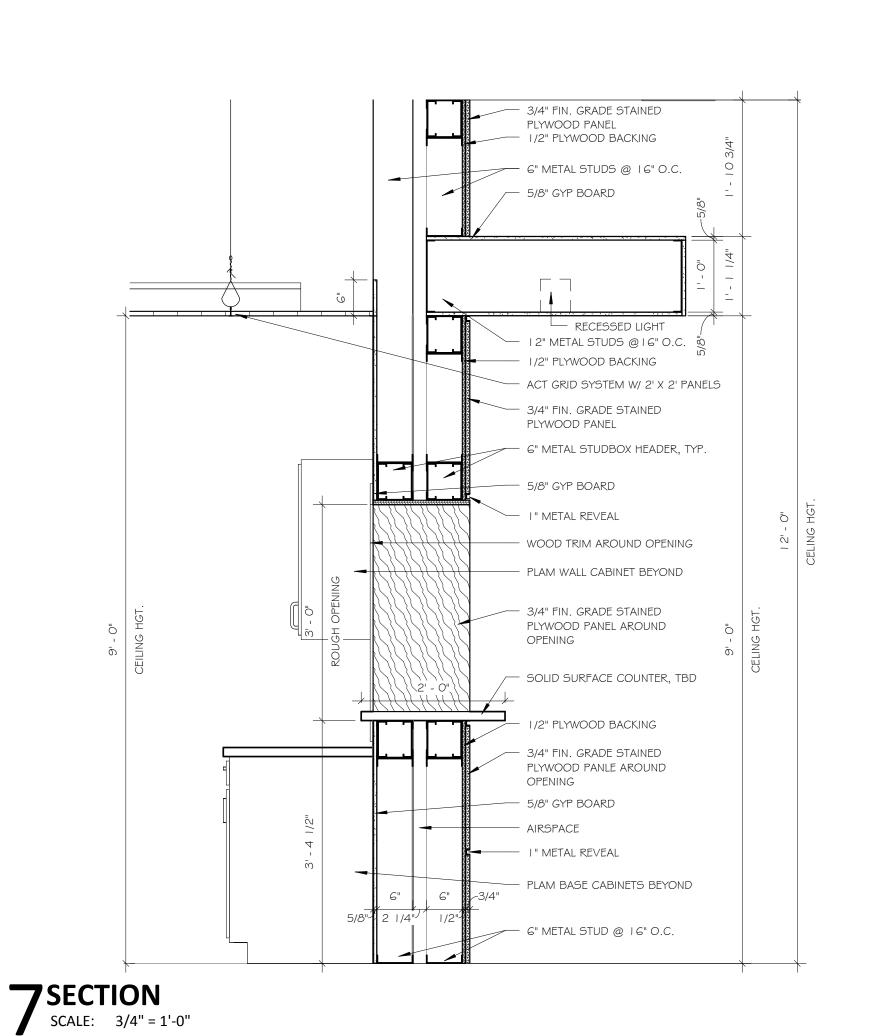






CUSTOM STAINED WOOD PANELS

5 INTERIOR ELEVATION SCALE: 1/4" = 1'-0"





GYPSUM WALL

- 31/2" WOOD TRIM AROUND OPENING

PLAM WALL CABINETS

SOLID SURFACE

- PLAM COUNTER TOP

PLAM BASE CABINETS

4

O

S

Z

2' - 3"

6' - 10 1/2"

1'-3" 2'-6" | 3'-7 1/8" | 2'-6" 1'-3"

3 INTERIOR ELEVATION SCALE: 1/4" = 1'-0"

INTERIOR ELEVATIONS & WALL SECTIONS

USC GREGORY CENTER HVAC UPGRADES & REFURBISHMENT

GMC OSE #

			LIGHTIN	G FIXTURE SCHE	DULE			
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS (PHILIPS)
•	А	2'x4' DIRECT/INDIRECT L.E.D. GRID TROFFER.	CREE	ZR24-40L-40K-10V	DIRECT/ INDIRECT w/CENTER BASKET	CEILING RECESSED	120/277V UNIVERS.	L.E.D 4000 lumens, 4000K
•	В	2'x4' DIRECT/INDIRECT L.E.D. GRID TROFFER.	CREE	ZR24-F0L-40K-10V-FD	DIRECT/ INDIRECT w/CENTER BASKET	CEILING RECESSED	120/277V UNIVERS.	L.E.D 5000 lumens, 4000K
•	С	1'x8' RECESSED/FLANGED L.E.D. LIGHT FOR TROPHY DISPLAY CASE.	CREE	TWO ZR14-40L-40K-10V WITH TWO #DGA14-WHT	OPTIMIZED SMOOTH LENS	RECESSED IN HARD CEILING	120/277V UNIVERS.	L.E.D 2 4000 lumens, 4000K
	D	4' WHITE TRACK LIGHTING SYSTEM WITH THREE L.E.D. TRACK LIGHTS.	JUNO	T4WH 4' TRACK WITH THREE #T1038E-WH 30 WATT USHIO #1003953 LED PAR 38 1880 lumen TRACK HEADS	WHITE PAR38 TRACK HEADS WITH E26 SOCKET	CEILING MOUNT	120V	L.E.D 3 PAR38, 1880 lumens
	F	8' WHITE TRACK LIGHTING SYSTEM WITH SIX L.E.D. TRACK LIGHTS.	JUNO	T8WH 8' TRACK WITH SIX #T1038E-WH 30 WATT USHIO #1003953 LED PAR 38 1880 lumen TRACK HEADS	WHITE PAR38 TRACK HEADS WITH E26 SOCKET	CEILING MOUNT	120V	L.E.D 6 PAR38, 1880 lumens
0	G	EXISTING DOWNLIGHT TO REMAIN IN PLACE. REMOVE 150W INCANDESCENT BULB AND PROVIDE L.E.D. RETROFIT KIT.	LUMENOPTIX	LRD3-*-20-9340-M-RM-FW [* FIELD VERIFY EXISTING FIXTURE OPENING SIZE BEFORE ORDERING]	SEMI SPECULAR	INSTALL IN EXISTING FIXTURE	120V	L.E.D. KIT - 2000 lumens, 4000K, 90 CRI
0	Н	8" L.E.D. RECESSED DOWNLIGHT WITH WET LOCATION LISTING.	INDY	L8-23-40K-U-G2-L800P-C-Q-WET	CLEAR SEMI SPECILAR	CEILING RECESSED	120/277 UNIVERS.	L.E.D 2300 lumens, 4000k
•	HE	8" L.E.D. RECESSED DOWNLIGHT WITH COLD-WEATHER RATED 90-MINUTE BATTERY PACK AND A WET LOCATION LISTING.	INDY	L8-23-40K-U-G2-BR-L180P-C-Q-WET	CLEAR SEMI SPECULAR	CEILING RECESSED	120/277 UNIVERS.	L.E.D 2300 lumens, 4000k
L	U1	EMERGENCY LIGHTING UNIT, WALL MOUNTED WITH TWO HEADS, SELF DIAGNOSTICS, AND A 90 MINUTE BATTERY BACKUP SYSTEM.	EMERGI-LITE	PRO-3N-LA-AD	MR16 HEADLAMPS (FLOOD)	MOUNT OVER EXISTING BOX.	120/277V UNIVERS.	2 - 6-VOLT, 4-WATT MR16 L.E.D.
Þ □	U2	EMERGENCY LIGHTING UNIT, CEILING MOUNTED WITH TWO HEADS, SELF DIAGNOSTICS, AND 90 MINUTE BATTERY BACKUP SYSTEM.	EMERGI-LITE	PRO-3N-LA-AD-CM	MR16 HEADLAMPS (FLOOD)	SEMI-FLUSH MOUNT IN CEILING	120/277V UNIVERS.	2 - 6-VOLT, 4-WATT MR16 L.E.D.
⊗	X1	EDGE-LIT L.E.D. EXIT SIGN, SINGLE FACE, CEILING MOUNTED WITH A 90 MINUTE BATTERY BACKUP SYSTEM.	EMERGI-LITE	TA-PEN-1-RC	EDGE-LIT ACRYLIC PANEL	CEILING MOUNT	120/277V UNIVERS.	L.E.D.

	GENERAL	CONSTRUCTION NOTES
--	----------------	--------------------

PROVIDE ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

INTERNATIONAL BUILDING CODE 2012 EDITION 2011 EDITION NFPA 70 - NATIONAL ELECTRICAL CODE

NFPA 72 - NATIONAL FIRE ALARM CODE 2010 EDITION

2009 EDITION ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

- 2. PROVIDE NEW RACEWAY AND WIRING TO ALL DEVICES, FIXTURES, AND EQUIPMENT INDICATED ON THE CONTRACT DRAWINGS. THE DRAWINGS INDICATE PARTIAL RACEWAY AND WIRING REQUIREMENTS TO HELP CLARIFY DESIGN INTENT. WHERE RACEWAY AND/OR WIRING IS NOT INDICATED FOR DEVICES, FIXTURES, OR EQUIPMENT THE ARRANGEMENT, GROUPING, AND ROUTING SHALL BE PROVIDED IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE.
- 3. ALL CONDUIT PENETRATIONS THROUGH WALLS AND CEILINGS SHALL BE 2-HOUR FIRESTOPPED.
- 4. RACEWAYS SHALL BE EMT WITH COMPRESSION TYPE FITTINGS UNLESS NOTED OR DETAILED OTHERWISE. PROVIDE FIXTURE WHIPS THAT COMPLY WITH THE NATIONAL ELECTRICAL CODE.
- 5. JUNCTION BOXES SHALL BE STEEL TYPE WITH SCREW COVER, SIZED AND SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. PROVIDE JUNCTION BOXES AS REQUIRED FOR POWER AND CONTROL WIRING RENOVATIONS.
- 6. INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL MEMBERS, OR OTHER SYSTEMS.
- 7. PROVIDE SEISMIC WIRE SUPPORTS FOR ALL NEW LIGHTING FIXTURES, TRACK LIGHTING SYSTEMS, AND EXIT SIGNS. TROFFER FIXTURES SHALL BE SUPPORTED WITH TWO WIRES. TRACK LIGHTING THAT IS 4 FEET IN LENGTH SHALL BE SUPPORTED WITH TWO WIRES. TRACK LIGHTING THAT IS 8 FEET IN LENGTH SHALL BE SUPPORTED WITH THREE WIRES.
- 8. CUTTING, DRILLING, AND PATCHING: PROVIDE CHASES, SLOTS, AND OPENINGS IN EXISTING BUILDING COMPONENTS TO ALLOW FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING, DRILLING, FITTING, AND PATCHING REQUIRED TO:
- A) INSTALL EQUIPMENT, MATERIALS, AND RACEWAYS IN EXISTING STRUCTURES.
- B) REMOVE AND REPLACE DEFECTIVE WORK THAT DOES NOT CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- C) UPON WRITTEN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER, UNCOVER AND RESTORE WORK TO PROVIDE FOR ARCHITECT/ENGINEER OBSERVATION OF CONCEALED WORK.

PROTECT EXISTING STRUCTURES, FURNISHINGS, FINISHES, MECHANICAL SYSTEMS, AND ELECTRICAL SYSTEMS WHILE PERFORMING CUTTING, DRILLING, FITTING, AND PATCHING.

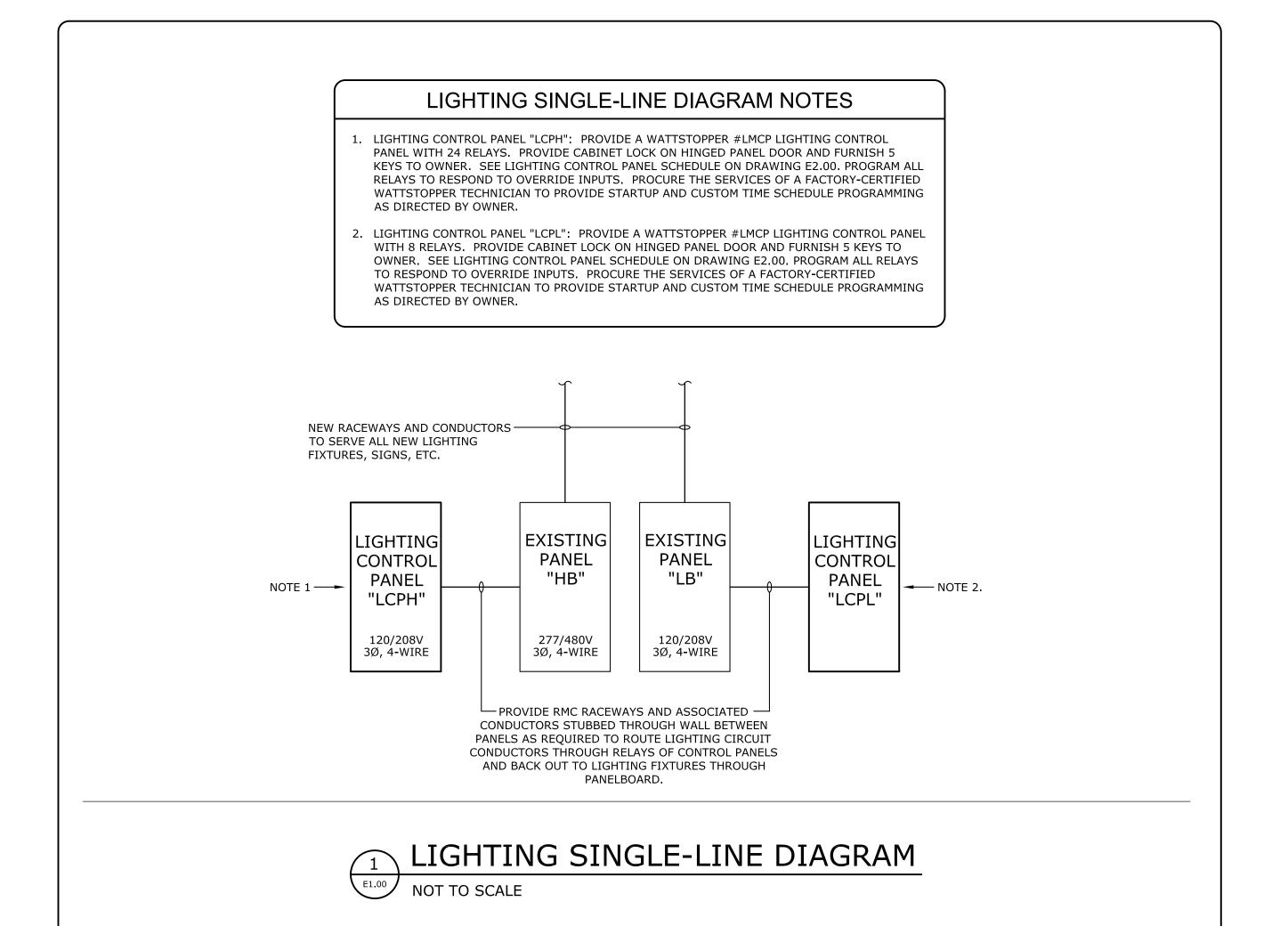
PATCH EXISTING SURFACES AND BUILDING COMPONENTS USING NEW MATERIALS THAT MATCH EXISTING MATERIALS. PATCHING SHALL BE PERFORMED BY EXPERIENCED INSTALLERS.

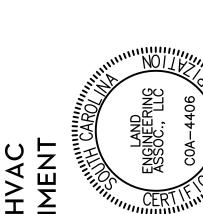
GENERAL DEMOLITION NOTES

- REMOVE AND LEGALLY DISPOSE OF ALL EXISTING CONTROLS, DEVICES, LIGHTING FIXTURES, EXIT SIGNS, AND ALL ASSOCIATED RACEWAY AND WIRING. ONLY CONCEALED VERTICAL DROPS OF RACEWAY TO PANELBOARDS, SWITCHES, AND FIXTURES MAY BE RE-USED.
- . PROVIDE 2-HOUR RATED FIRESTOPPING COMPOUND IN HOLES WHERE EXISTING RACEWAYS ARE REMOVED.
- 3. THE CONTRACTOR SHALL VISIT THE SITE/ BUILDING TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND SHALL INCLUDE ALL WORK REQUIRED FOR COMPLETE DEMOLITION IN HIS BID.

	ELECTRICAL DRAWING INDEX
E1.00	GENERAL NOTES, LEGEND, AND SCHEDULES
E2.00	LIGHTING PLANS - FIRST FLOOR

ELECTRICAL LEGEND SYMBOL DESCRIPTION DESCRIPTION LIGHTING FIXTURE; TYPE, CIRCUIT NUMBER, AND SWITCHLEG AS EXISTING ONE-SECTION PANELBOARD, FLUSH MOUNTED IN A MASONRY • a INDICATED. SEE THE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL BLOCK WALL - TO REMAIN IN PLACE. SYMBOLS AND TYPES. EXISTING RECESSED FLUORESCENT GRID TROFFER - REMOVE TROFFER SINGLE OR DOUBLE FACE EXIT SIGN, CEILING MOUNTED. PROVIDE AND ALL ASSOCIATED RACEWAY AND WIRING. \otimes DIRECTIONAL ARROWS/CHEVRONS AS INDICATED ON PLAN. EXISTING 1' X 8' RECESSED FLUORESCENT LIGHT WITH EGG-CRATE WATTSTOPPER "LMCP" SERIES LIGHTING CONTROL PANEL. SURFACE LOUVER - REMOVE FIXTURE AND ALL ASSOCIATED RACEWAY AND MOUNT PANEL ON WALL, BACK-TO-BACK WITH EXISTING ELECTRICAL EXISTING TRACK LIGHTING SYSTEM - REMOVE SYSTEM AND ALL _____R ASSOCIATED RACEWAY AND WIRING. LIGHTING CONTROL PANEL REMOTE OVERRIDE SWITCH WITH INTEGRAL PILOT LIGHT (WATTSTOPPER). FLUSH MOUNT SWITCH IN WALL AT EXISTING INCANDESCENT DOWNLIGHT - REMOVE DOWNLIGHT AND ALL EXISTING WALL SWITCH LOCATION. PROVIDE WIRING/CABLING PER ASSOCIATED RACEWAY AND WIRING. WATTSTOPPER RECOMMENDATIONS. PROVIDE A CUSTOM LAMINATE SIGN ABOVE SWITCH THAT READS, "LIGHTING SYSTEM 2-HOUR TIME OVERRIDE EXISTING INCANDESCENT DOWNLIGHT - TO REMAIN IN PLACE AND BE SWITCH. PRESS SWITCH TO PROVIDE 2 HOURS OF EXTENDED LIGHTING MODIFED TO BECOME AN L.E.D. TYPE DOWNLIGHT. EACH TIME LIGHTS BLINK ON AND OFF. IF BUTTON IS NOT PRESSED WITHIN 5 MINUTES OF LIGHTS BLINKING, ALL LIGHTS IN LOBBY AND EXISTING WALL MOUNTED EMERGENCY LIGHTING UNIT - REMOVE CORRIDOR WILL AUTOMATICALLY TURN OFF". LIGHTING UNIT AND ALL ASSOCIATED RACEWAY AND WIRING. SINGLE-POLE WALL SWITCH OCCUPANCY SENSOR - WATTSTOPPER #PW-301 WITH BRUSHED ALUMINUM WALLPLATE. MOUNT SWITCH IN EXISTING CEILING MOUNTED EXIT SIGN - REMOVE EXIT SIGN AND ALL EXISTING SWITCH BACKBOX. ASSOCIATED RACEWAY AND WIRING. EXISTING SINGLE-POLE LIGHT SWITCH - REMOVE SWITCH AND ALL NIGHT-LIGHT SYMBOL - INDICATES THAT ASSOCIATED LIGHTING FIXTURE ASSOCIATED RACEWAY AND WIRING, PROVIDE A BLANK, BRUSHED SHALL NOT BE SWITCHED OFF (PHASE CONDUCTOR WIRED DIRECTLY TO CIRCUIT BREAKER SUCH THAT FIXTURE IS ALWAYS "ON"). ALUMINUM WALLPLATE TO COVER BOX UNLESS NOTED OTHERWISE ON PLAN. PROVIDE ONE, TWO, OR THREE-GANG WALLPLATES AS APPLICABLE. EXISTING THREE-WAY LIGHT SWITCH - REMOVE SWITCH AND ALL ASSOCIATED RACEWAY AND WIRING. PROVIDE A BLANK, BRUSHED ALUMINUM WALLPLATE TO COVER BOX UNLESS NOTED OTHERWISE ON PLAN. PROVIDE ONE, TWO, OR THREE-GANG WALLPLATES AS APPLICABLE.





USC GREGORY CENTER HVAC UPGRADES & REFURBISHMEN



Й ERAL NOTES,

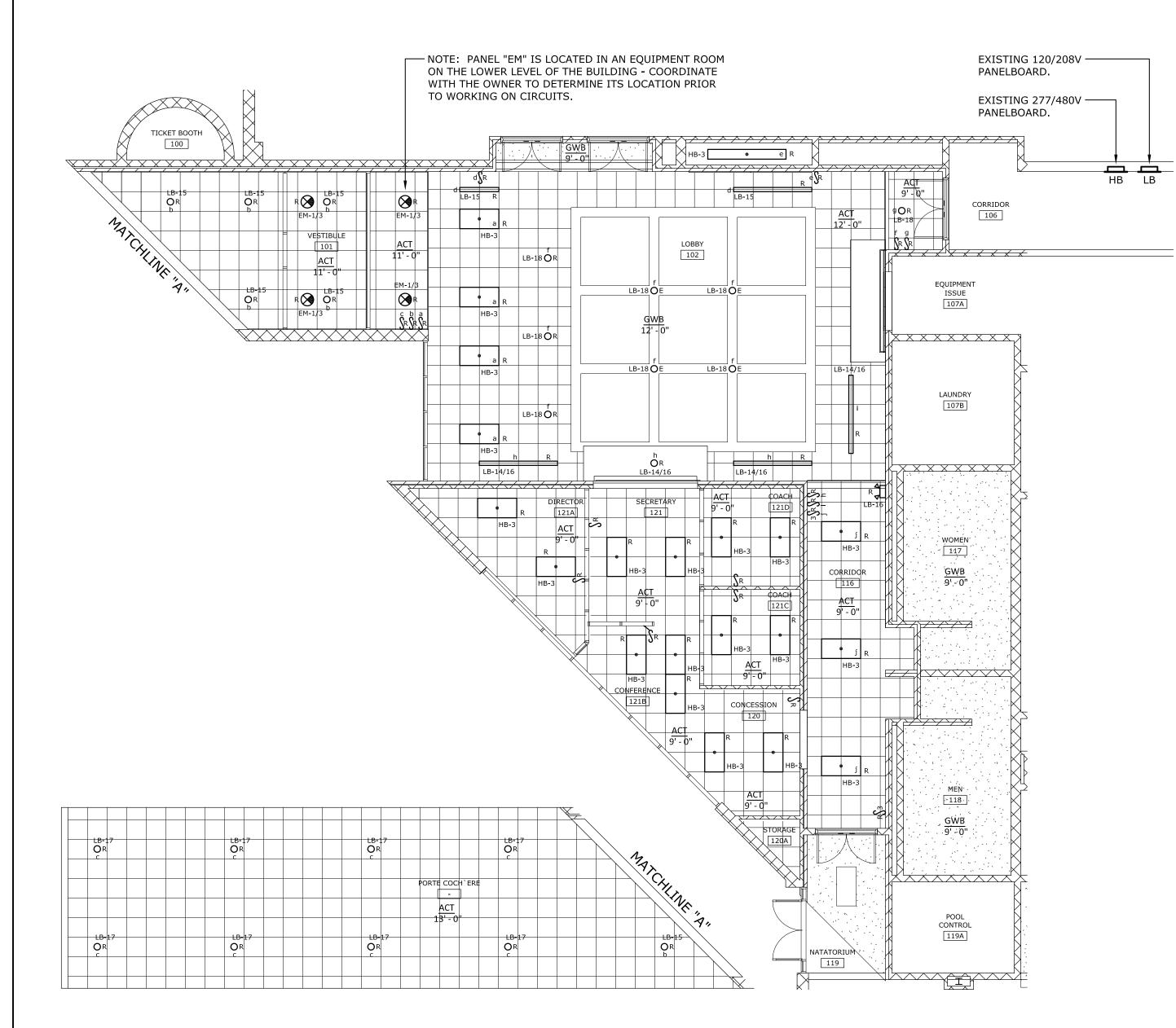
LCPH LOAD SCHEDULE						
ZONE	LOAD DESCRIPTION	VOLTAGE	AMPS	WATTS		
RLY-1	HB-3, L.E.D. LTG	277	12.6	3,500		
RLY-2	SPARE	277	0.0	0.0		
RLY-3	SPARE	277	0.0	0.0		
RLY-4	SPARE	277	0.0	0.0		
RLY-5	SPARE	277	0.0	0.0		
RLY-6	SPARE	277	0.0	0.0		
RLY-8	SPARE	277	0.0	0.0		
RLY-9	SPARE	277	0.0	0.0		
RLY-10	SPARE	277	0.0	0.0		
RLY-11	SPARE	277	0.0	0.0		
RLY-12	SPARE	277	0.0	0.0		
RLY-13	SPARE	277	0.0	0.0		
RLY-14	SPARE	277	0.0	0.0		
RLY-15	SPARE	277	0.0	0.0		
RLY-16	SPARE	277	0.0	0.0		
RLY-17	SPARE	277	0.0	0.0		
RLY-18	SPARE	277	0.0	0.0		
RLY-19	SPARE	277	0.0	0.0		
RLY-20	SPARE	277	0.0	0.0		
RLY-21	SPARE	277	0.0	0.0		
RLY-22	SPARE	277	0.0	0.0		
RLY-23	SPARE	277	0.0	0.0		
RLY-24	SPARE	277	0.0	0.0		

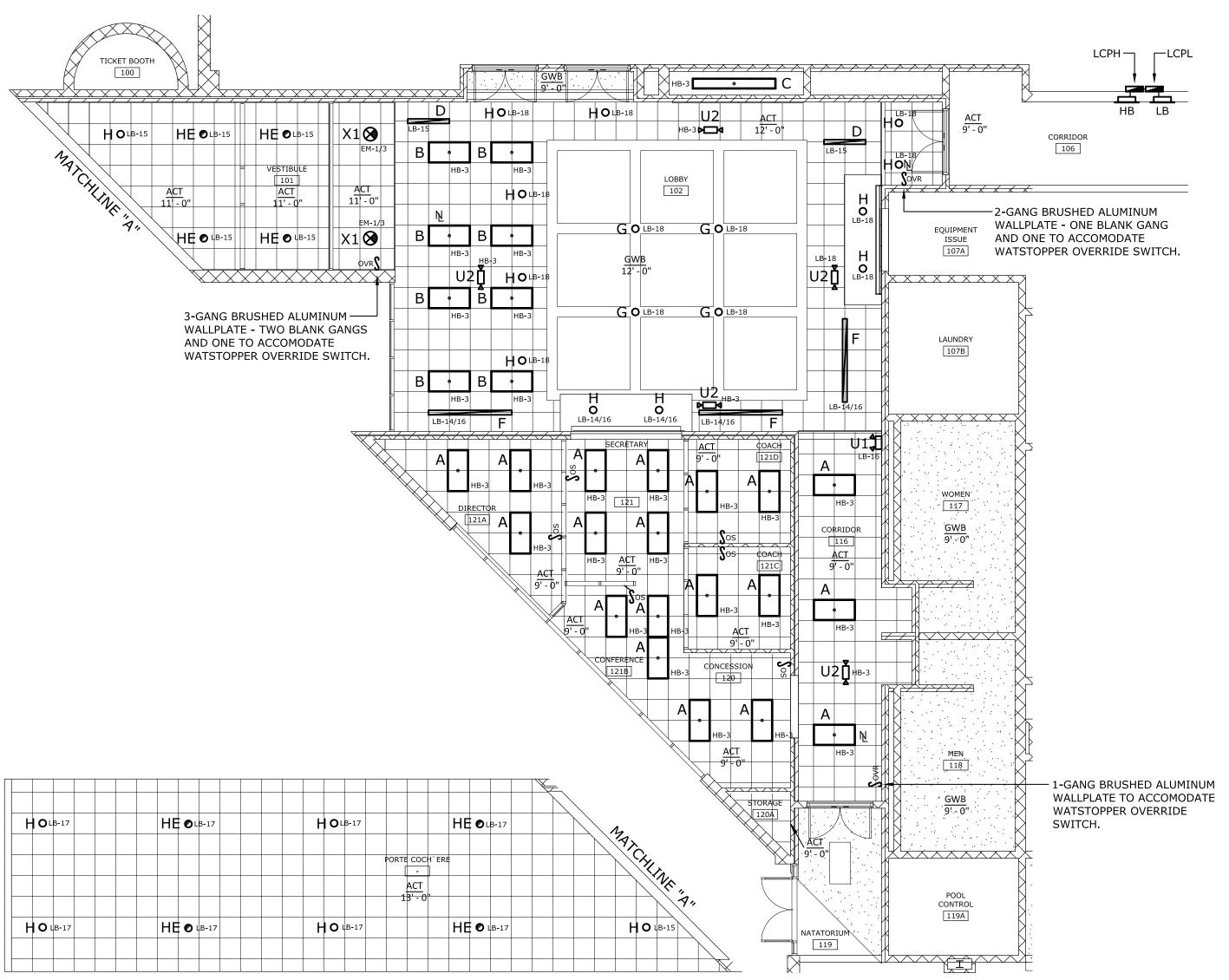
LIGHTING NOTES

- 1. ALL LIGHTING CIRCUITS SHALL BE TWO #12 AWG THHN WITH ONE #12 AWG GREEN INSULATED GROUND WIRE IN 3/4" EMT RACEWAY UNLESS NOTED OTHERWISE. PROVIDE #12 AWG THHN TRAVELERS AS REQUIRED FOR SWITCHING CIRCUITS WHERE APPLICABLE.
- 2. PROVIDE WATTSTOPPER CONTROL CABLES IN 3/4" EMT.
- 3. PANELS LCPH & LCPL: ALL LIGHTING CIRCUITS SHALL BE ROUTED THROUGH RELAYS OF LIGHTING CONTROL PANELS.

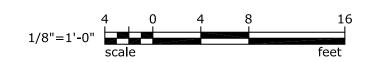
NOTE: A NON-SWITCHED PHASE CONDUCTOR SHALL BE ROUTED TO ALL LIGHTING FIXTURES WITH INTEGRAL BATTERY PACKS, ALL EXIT SIGNS, AND ALL EMERGENCY LIGHTING UNITS (FOR CHARGING AND FOR CIRCUIT LOSS DETECTION), AND TO ALL LIGHTING FIXTURES DESIGNATED AS "NIGHT LIGHTS".

LCPL LOAD SCHEDULE						
ZONE	LOAD DESCRIPTION	VOLTAGE	AMPS	WATTS		
RLY-1	LB-14, L.E.D. LTG	120	12.5	1500		
RLY-2	LB-15, L.E.D. LTG	120	12.5	1500		
RLY-3	LB-16, L.E.D. LTG	120	12.5	1500		
RLY-4	LB-17, L.E.D. LTG	120	12.5	1500		
RLY-5	LB-18, L.E.D. LTG	120	12.5	1500		
RLY-6	SPARE	120	0.0	0.0		
RLY-8	SPARE	120	0.0	0.0		
RLY-9	SPARE	120	0.0	0.0		
RLY-10	SPARE	120	0.0	0.0		
RLY-11	SPARE	120	0.0	0.0		
RLY-12	SPARE	120	0.0	0.0		











LIGHTING

USC GREGORY CENTER HVAC UPGRADES & REFURBISHMENT