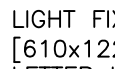

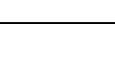



ELECTRICAL SYMBOLS - LIGHTING PLAN


SWITCH
 BLANK = SINGLE POLE 2 = DOUBLE POLE
 3 = THREE-WAY 4 = FOUR-WAY
 0 = DIMMER K = KEY OPERATED
 LV= LOW VOLTAGE L= LOCK
 LM= LOW VOLTAGE LUMINAIRE
 P= PUSH BUTTON STATION RC= REMOTE CONTROL
 T= TIMER OPERATED WP= WEATHER PROOF
 X= EXPLOSION PROOF Mo= OCCUPANCY SENSOR


 LIGHT FIXTURE, SURFACE MOUNTED FLOURESCENT, 2'x4'
 [610x1220mm];
 LETTER INDICATES TYPE.


 LIGHT FIXTURE, SURFACE MOUNTED FLOURESCENT, 1'x4'
 [305x1220mm];
 LETTER INDICATES TYPE.

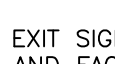
 LIGHT FIXTURE, SURFACE MOUNTED FLOURESCENT,
 1'x8' [305x2439mm]; LETTER INDICATES TYPE.

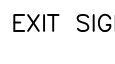
 LIGHT FIXTURE, FLOURESCENT EMERGENCY;

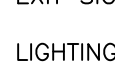
 STREET LIGHT WITH BRACKET
 LIGHT POLE, ONE MAST ARM, ONE LUMINAIRE


 LIGHT POLE, ONE LUMINAIRE


 LIGHT POLE, TWO LUMINAIRES


 EXIT SIGN, WALL MOUNTED WITH DIRECTIONAL ARROWS
 AND FACES AS SHOWN

 EXIT SIGN, CEILING MOUNTED WITH DIRECTIONAL ARROWS
 AND FACES AS SHOWN

 EXIT SIGN, WALL MOUNTED

 EXIT SIGN, CEILING MOUNTED

 LIGHTING, WALL MOUNTED

 LETTER INDICATES FIXTURE TYPE

⊕ RECEPTACLE, DUPLEX ON EMERGENCY POWER

⊕ RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER

⊕ RECEPTACLE, QUADRAPHASE

⊕ RECEPTACLE, SINGLE

⊕ RECEPTACLE, SINGLE WITH SWITCH

⊕ RECEPTACLE, SPECIAL PURPOSE

A = 120V, 20A, 1 PHASE, 3 POLE, 3W, NEMA 5-20R.

B = 208V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 6-20R.

C = 120V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 5-30R.

D = 120V, 30A, 1 PHASE, 3-POLE, 4W, NEMA 6-30R.

E = 208V, 60A, 1 PHASE, 3-POLE, 4W, NEMA 14-60R.

F = 208V, 30A, 3 PHASE, 3-POLE 4W, NEMA 15-30R.

G = 208V, 15A, 3 PHASE, 3 POLE, 4W, NEMA 15-30R.

H = 208V, 30A, 3 PHASE, 3 POLE, 4W, NEMA 15-60R.

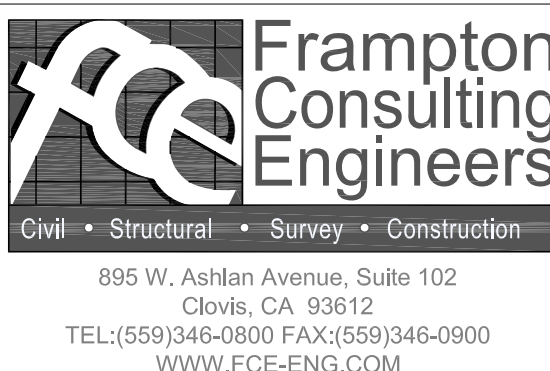
A. (NOT USED).


B. LIGHTING FIXTURES WITH MORE THAN TWO LAMPS SHALL HAVE TWO OUTER LAMPS CONTROLLED WITH ONE SWITCH AND INNER LAMP(S) CONTROLLED BY A SECOND SWITCH.

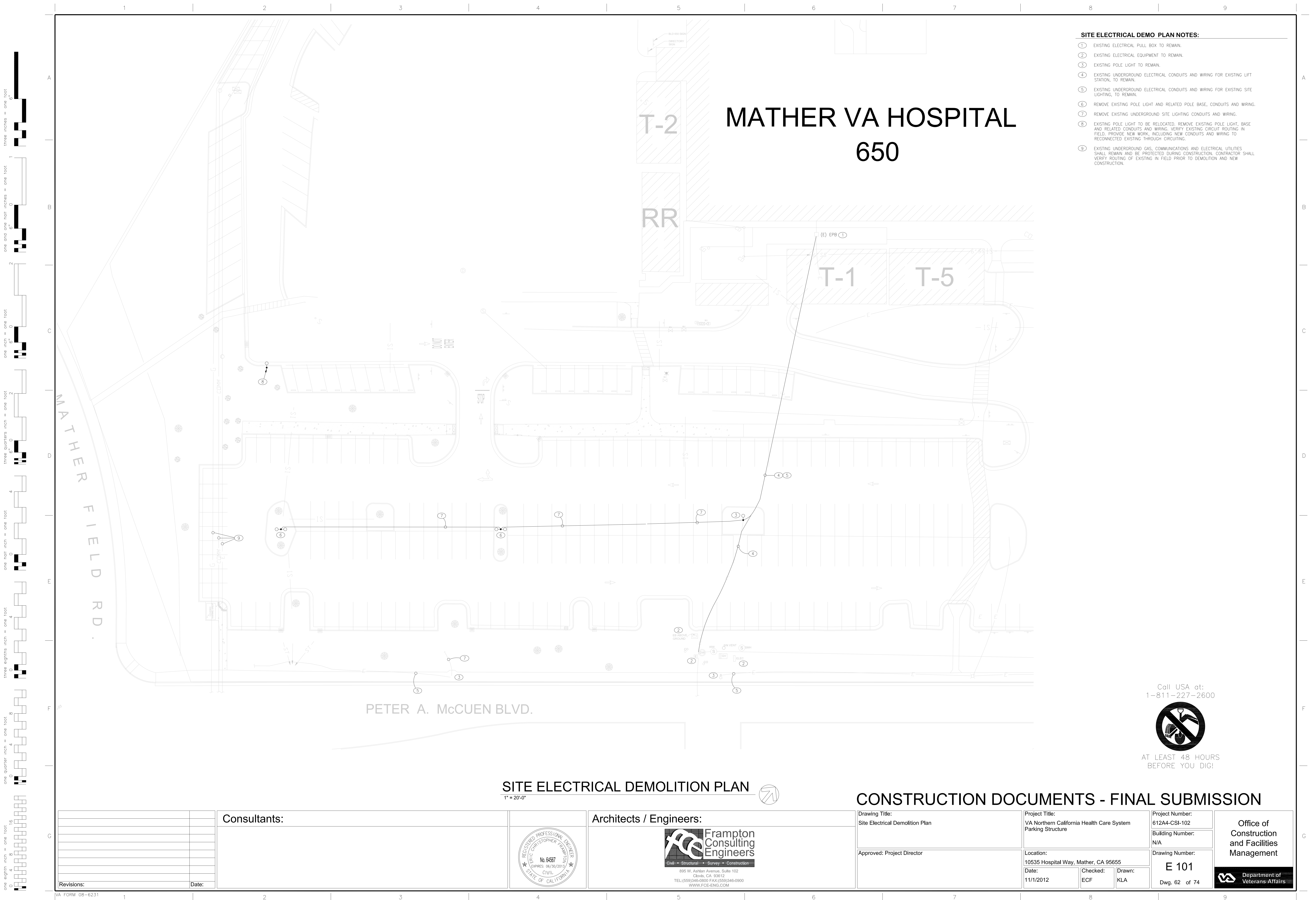
C. (1) EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.

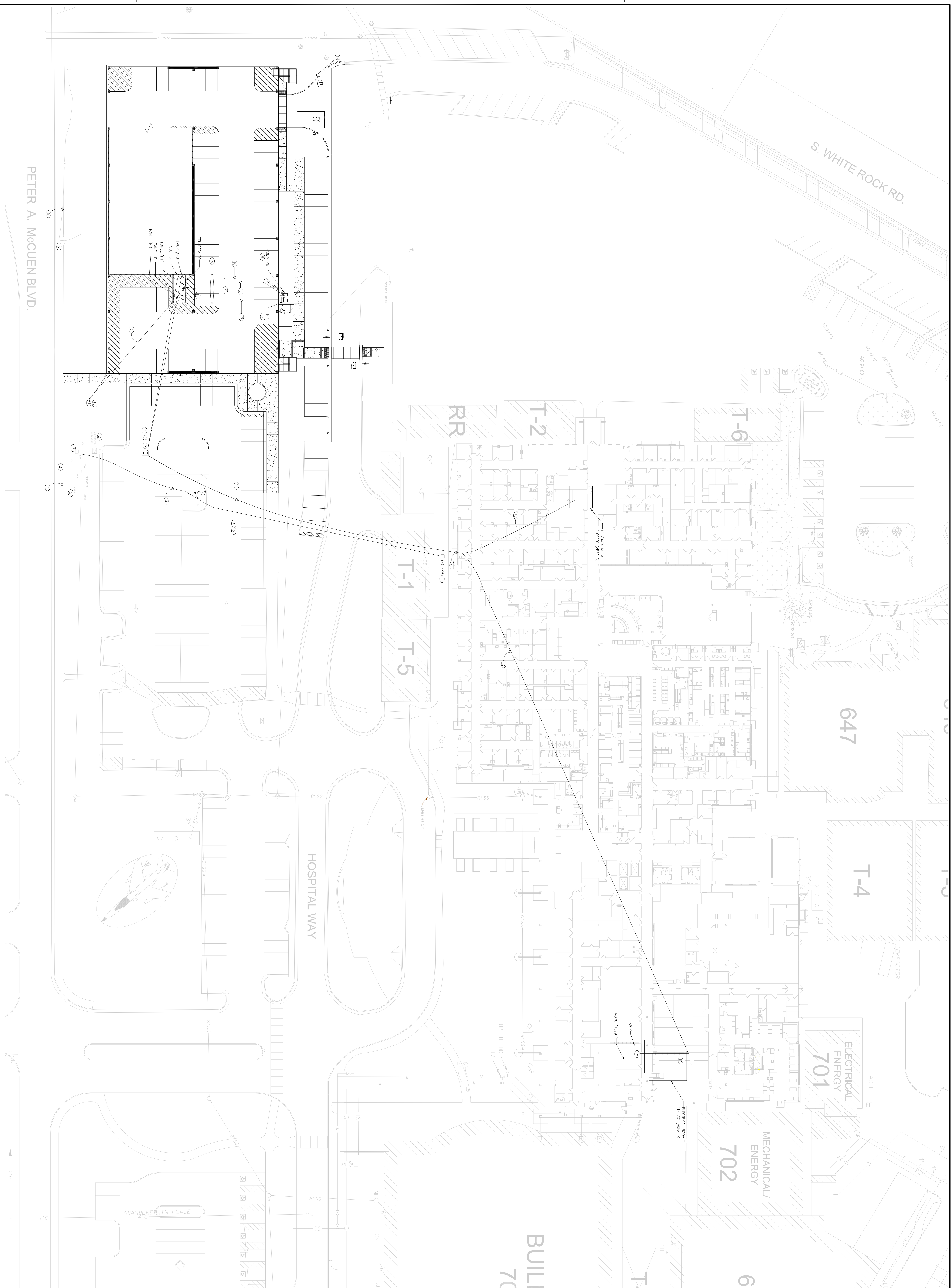
D. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.

Architects / Engineers:

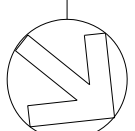


Drawing Title: General Notes	Project Title: VA Northern California Health Care System Parking Structure		Project Number: 612A4-CSI-102	<div> Office of Construction and Facilities Management </div> <div>  Department of Veterans Affairs </div>
			Building Number: N/A	
Approved: Project Director	Location: 10535 Hospital Way, Mather, CA 95655		Drawing Number: <div>E 001</div> Dwg. 61 of 74	
	Date: 11/1/2012	Checked: ECF	Drawn: KLA	





SITE ELECTRICAL PLAN



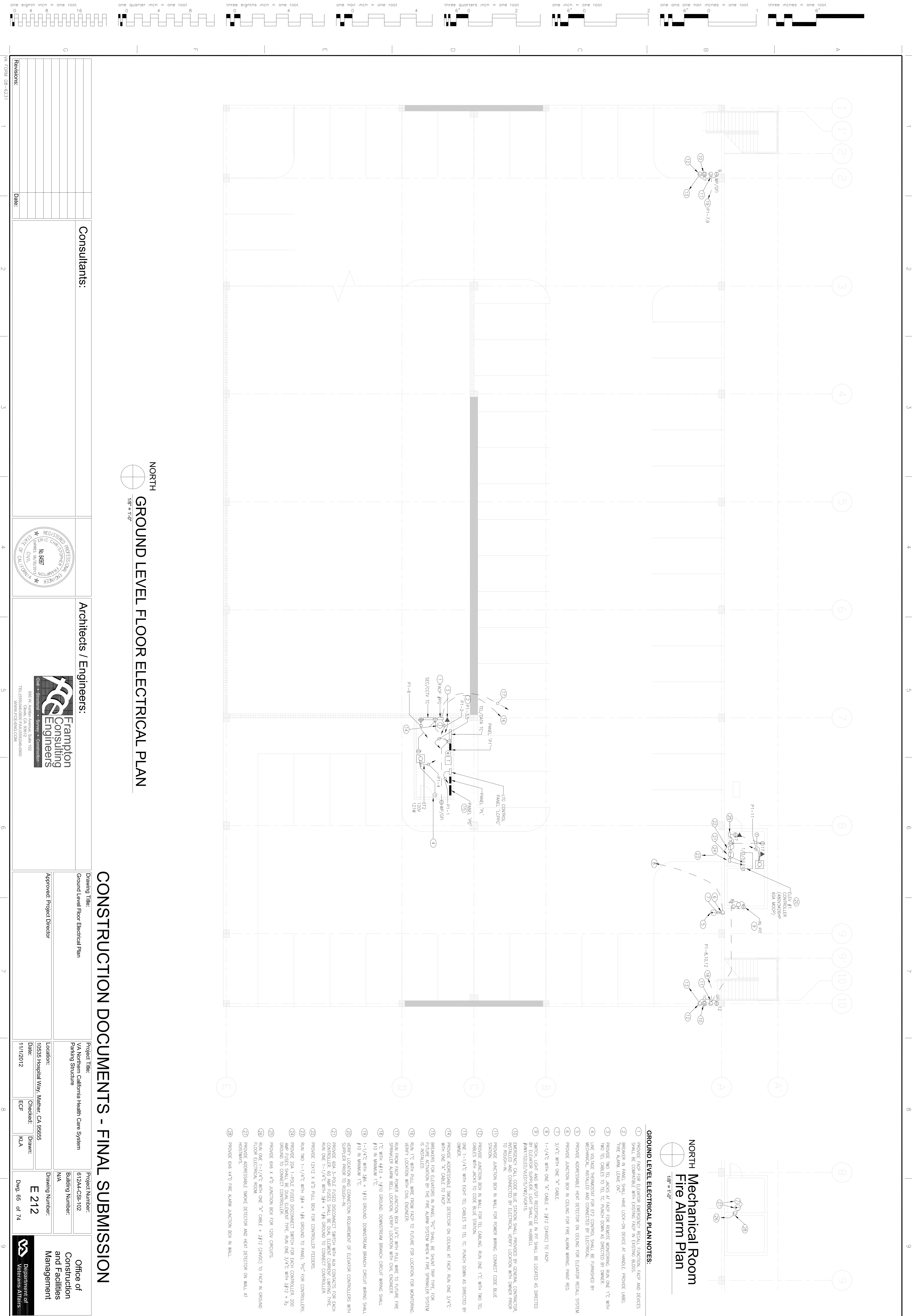
CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

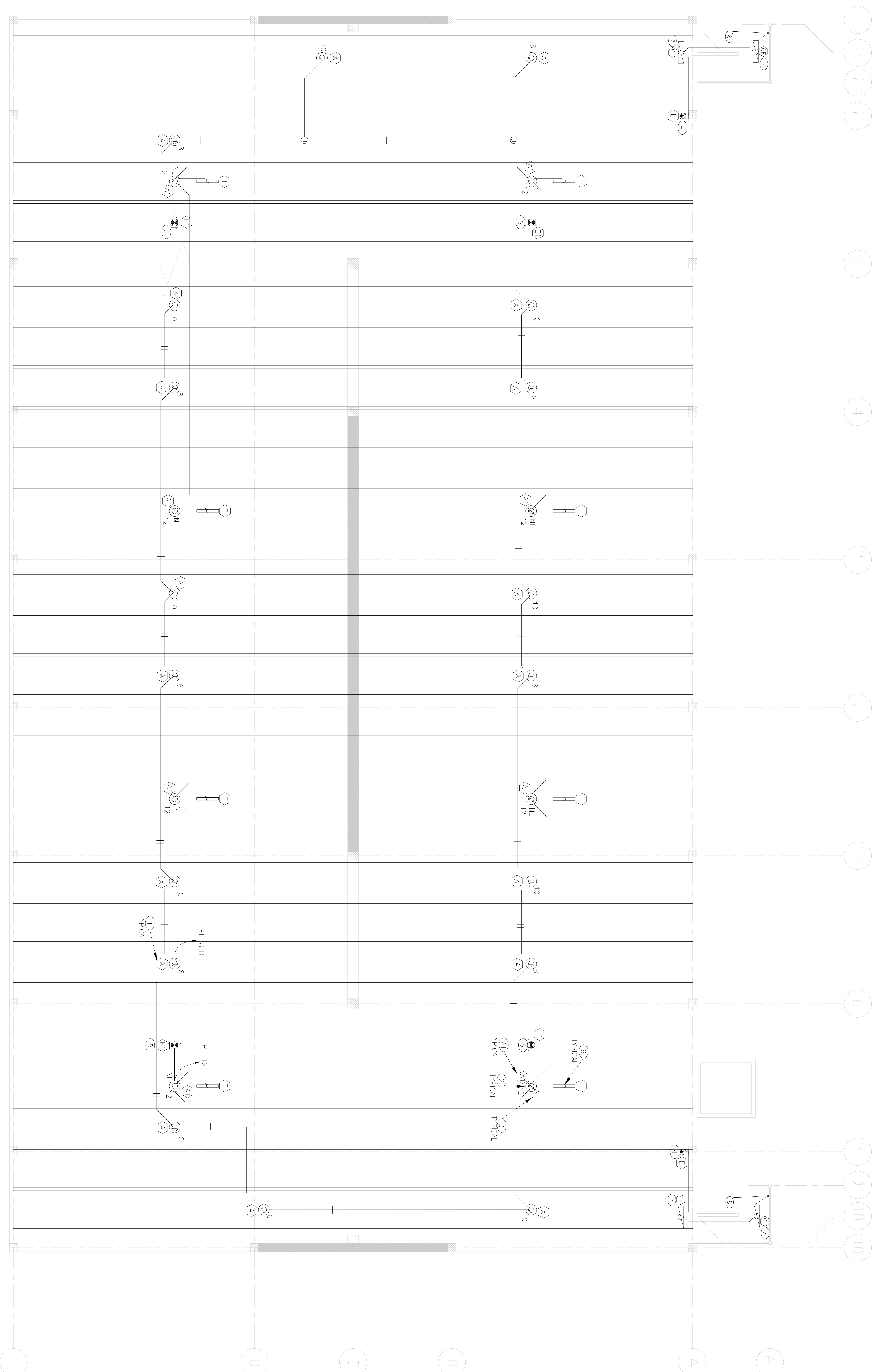
AT LEAST 48 HOURS
BEFORE YOU DIG!



Call USA at:
1-811-227-2600

[illegible]



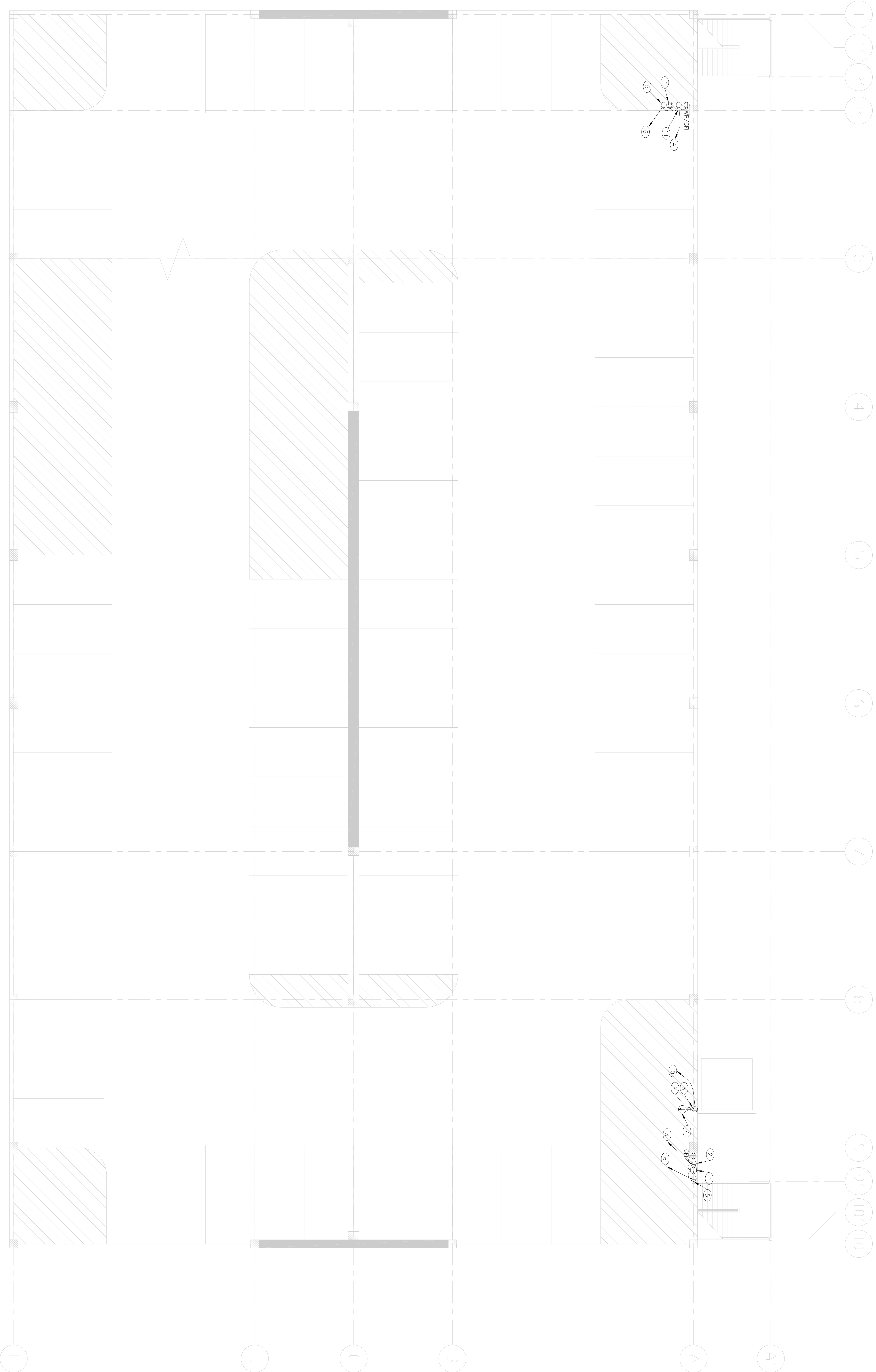


- ## SECOND LEVEL LIGHTING PLAN NOTES:
- ① TRUCK TYPE "A" FIXTURES SHALL BE STRIA MOUNTED AT ENDS WITH 40-60 SECRETE SLANT CUTTING CANOPY. STEEL LENGTH TO BE REQUESTED SO BOTTOM OF FLATNESS TO BE LEVEL WITH BOTTOM OF CEILING DOUBLET. SEE DETAIL #17/2/30.1.
 - ② TRUCK TYPE "B" FIXTURES SHALL BE SAME AS TYPE "A". EXCEPT WITH GUARDZ LAMP. TO PROVIDE LIGHTING DURING WARE RESINARE OF THE METAL SHADE LAMP.
 - ③ TRUCK TYPE "C" FIXTURES SHALL BE CONNECTED ON END CIRCUIT.
 - ④ DEONES LIGHT TO BE CONNECTED ON NIGHT LIGHT CIRCUIT. NOT TO BE SWITCHED.
 - ⑤ DEONES SINGLE FIVE EMERGENCY EXIT SIGN REMAINS MOUNT WITH TOP OF FLATURE TO BE LEVEL WITH THE BOTTOM OF CEILING DOUBLET "
 - ⑥ DEONES DOUBLE FIVE EMERGENCY EXIT SIGN REMAINS MOUNT WITH TOP OF FLATURE TO BE LEVEL WITH THE BOTTOM OF CEILING DOUBLET "
 - ⑦ TRUCK TYPE "D" FIXTURES SHALL BE 4-1/4" CLAMP CONDUCTOR LIGHT WITH WEEDLARD AND DIFFUSION BATTERY PACK IS TO BE CONNECTED STRICTLY AS EMERGENCY LIGHTING ONLY. REGULAR BALASTS IS NOT TO BE CONNECTED. CONNECT BATTERY CENING. UNSWITCHED NIGHT LIGHT CIRCUIT OR WIRE. SURFACE MOUNT ON
 - ⑧ TRUCK TYPE "E" AND "F" FIXTURES SHALL BE SAME AS TYPE "A" AND "B". EXCEPT WITH INTERNAL BATTERY PACK TO POWER ONE LAMP WITH 100 TO 1400 LUMENS DURING EMERGENCY. CONNECT BATTERY PACK TO UNSWITCHED CIRCUIT OR WIRE.
- WIRING BETWEEN SHANNEL LIGHTS ON GROUND FLOOR AND SECOND FLOOR

NORTH
SECOND LEVEL FLOOR LIGHTING PLAN

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

Revisions:		Date:	
<div> <div>Consultants:</div> <div>Architects / Engineers:</div> </div>			
		<div> <div> <div> <div>Office • Structural • Survey • Construction</div> <div>855 W. Sahara Avenue, Suite 102 Culver City, CA 90232 TEL: (659) 946-0000 FAX: (659) 946-0000 WWW.FCE-ENG.COM</div> </div> </div> </div>	
<div> <div>Drawing Title:</div> <div>Second Level Floor Lighting Plan</div> </div>		<div> <div>Project Title:</div> <div>VA Northern California Health Care System Parking Structure</div> </div>	
<div> <div>Approved: Project Director</div> <div> <div>Location:</div> <div>10535 Hospital Way, Mather, CA 95655</div> </div> </div>		<div> <div>Drawing Number:</div> <div>N/A</div> </div>	
<div> <div>Date:</div> <div>11/11/2012</div> </div>		<div> <div>Checked:</div> <div>ECF</div> <div>Drawn:</div> <div>KLA</div> </div>	
<div> <div>Dwg. 66 of 74</div> <div>E 221</div> </div>		<div> <div>Project Number:</div> <div>617244-CSH-102</div> </div>	
<div> <div>Building Number:</div> <div></div> </div>		<div> <div>Office of Construction and Facilities Management</div> <div> <div>Department of Veterans Affairs</div> </div> </div>	



SECOND LEVEL ELECTRICAL PLAN NOTES:

- 1. EMERGENCY CALL CODE BLUE STATION SHALL PROVIDED BY GENERAL CONTRACTOR, INSTALLED AND CONNECTED BY ELECTRICAL. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 2. PROVIDE JUNCTION BOX IN WALL FOR POWER WIRING. CONNECT CODE BLUE STATION.
- 3. RUN ONE 1" TC WITH 3#10 + 1#10 GROUND TO POWER JUNCTION BOX AT GROUND FLOOR LOBBY.
- 4. RUN ONE 1" TC WITH 3#10 + 1#10 GROUND TO POWER JUNCTION BOX AT GROUND FLOOR STAIRWELL.
- 5. PROVIDE JUNCTION BOX IN WALL FOR TEL CABLING. RUN ONE 1" TC WITH TWO TEL CABLES WITH JACKS TO CODE BLUE STATION.
- 6. ONE 1-1/4" TC WITH SIX TEL CABLES TO TEL JUNCTION BOX ON GROUND FLOOR.
- 7. PROVIDE ADDRESSABLE HEAT DETECTOR ON CEILING FOR ELEVATOR RECALL SYSTEM.
- 8. PROVIDE JUNCTION BOX IN CEILING FOR FIRE ALARM WIRING. PAINT RED.
- 9. 3/4" TC WITH ONE 1" TC CABLE.
- 10. 1-1/4" TC WITH ONE 1" TC CABLE + 2#12 (240C) TO FIRE ALARM JUNCTION BOX ON GROUND LEVEL.

NORTH
SECOND LEVEL FLOOR ELECTRICAL PLAN
1/8" = 1'-0"

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

Revisions:		Date:	
Consultants:		Architects / Engineers:	
Project Title: Second Level Floor Electrical Plan		Project Title: VA Northern California Health Care System Parking Structure	
Approved, Project Director		Location: 10535 Hospital Way, Mather, CA 95655	
Date: 11/1/2012		Checked: ECF	
Drawn: KLA		Drawing Number: E 222	
Dwg. 67 of 74		Office of Construction and Facilities Management	



- ## THIRD LEVEL ELECTRICAL PLAN NOTES:
- 1) PREFERENTIALLY SEAL GROUND STATION SHALL PROVIDED BY GENERAL CONTRACTOR INSULATED AND CONNECTED BY ELECTRICAL. VERIFY LOCATION WITH POWER PRIOR TO ROUGH-IN.
 - 2) PROVIDE JUNCTION BOX IN WALL FOR POWER WIRING. CONNECT CODE BLUE STATION.
 - 3) RUN ONE 1" TC WITH $3\phi/10$ + $1\phi/10$ GROUND TO POWER JUNCTION BOX AT GROUND FLOOR LBBBY.
 - 4) RUN ONE 1" TC WITH $3\phi/10$ + $1\phi/10$ GROUND TO POWER JUNCTION BOX AT GROUND FLOOR STAIRWELL.
 - 5) PROVIDE JUNCTION BOX IN WALL FOR TEL CABLEING. RUN ONE 1" TC WITH TWO TEL CABLES WITH JACKS TO CODE BLUE STATION.
 - 6) ONE 1" 1/4" TC WITH SIX TEL CABLES TO TEL JUNCTION BOX ON GROUND FLOOR.
 - 7) PROVIDE ADDRESSABLE HEAT DETECTOR ON CEILING FOR ELEVATOR RECALL SYSTEM.
 - 8) PROVIDE JUNCTION BOX IN CEILING FOR FIRE ALARM WIRING. PAINT RED.
 - 9) 3/4" TC WITH ONE "A" CABLE.
 - 10) 1" 1/4" TC WITH ONE "A" CABLE + $2\phi/10$ (2A/000) TO FIRE ALARM JUNCTION BOX ON GROUND LEVEL.

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

THIRD LEVEL FLOOR ELECTRICAL PLAN

[illegible]

1. PROVIDE CONCRETE BASE AND ANCHORING FOR POLE LIGHTS TYPE "30". REFER TO DETAIL ON STRUCTURAL DRAWINGS.
2. LOCATE 6x6 x4'0" PULL BOX ON THIRD LEVEL CEILING, ROW ONE 1'-1/4" WITH 3/4"ID x 1/4"ID GROUND IN POLE BASE.
3. 1'-1/4" WITH 3/8" x 1/4"ID GROUND TO PANEL.

NORTH

TOP LEVEL FLOOR LIGHTING PLAN

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

Revisions:					
Date:					
Consultants:		Architects / Engineers:			
		 Erampion Consulting Engineers Office - San Francisco - Denver - Construction 805 W. Ashby Avenue, Suite 102 San Jose, CA 95128 TEL: (408) 255-0200 FAX: (408) 255-4900 WWW.PCER-ENG.COM			
Approved: Project Director		Location:		Project Title:	
		10555 Hospital Way, Mather, CA 95655		VA Northern California Health Care System	
Date:		Checked:		Building Number:	
11/1/2012		ECF		N/A	
		Drawn:		Drawing Number:	
		KLA		E 241	
		Dwg. 70 of 74			
 Department of Veterans Affairs					

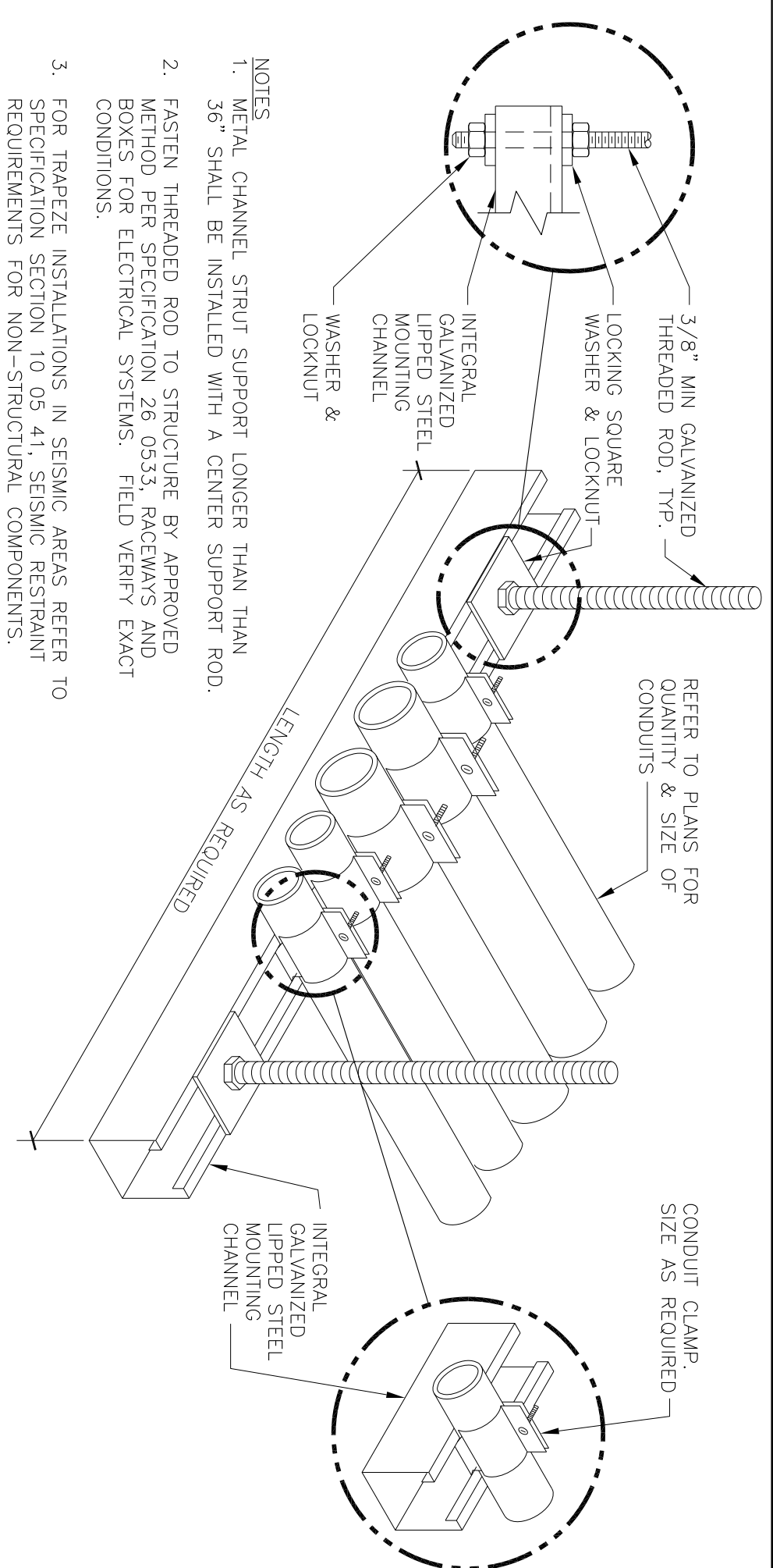
- ① EMERGENCY CALL CODE BLUE SIGNAL SHALL PROVIDED BY GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- ② PROVIDE JUNCTION BOX IN WALL FOR POWER WIRING. CONNECT CODE BLUE SIGNAL.
- ③ RUN ONE 1" WITH $3\frac{1}{2} \times 10$ + $1\frac{1}{2}$ " ID GROUND TO POWER JUNCTION BOX AT GROUND FLOOR LBBB.
- ④ PROVIDE JUNCTION BOX IN WALL FOR TEL CABLING. RUN ONE 1" WITH TWO TEL CABLES WITH JACKS TO CODE BLUE STATION.
- ⑤ ONE 1"-1/4" WITH SIX TEL CABLES TO TEL JUNCTION BOX ON GROUND FLOOR.
- ⑥ PROVIDE ADDRESSABLE HEAT DETECTOR ON CEILING FOR ELEVATOR RECALL SIGNAL.
- ⑦ PROVIDE JUNCTION BOX IN CEILING FOR FIRE ALARM WIRING. PAINT RED.
- ⑧ 3/4" C WITH ONE "A" CABLE.
- ⑨ 1"-1/4" C WITH ONE "A" CABLE + $2\frac{1}{2}$ " ID (2400) TO FIRE ALARM JUNCTION BOX ON GROUND LEVEL.

NORTH

TOP LEVEL FLOOR ELECTRICAL PLAN

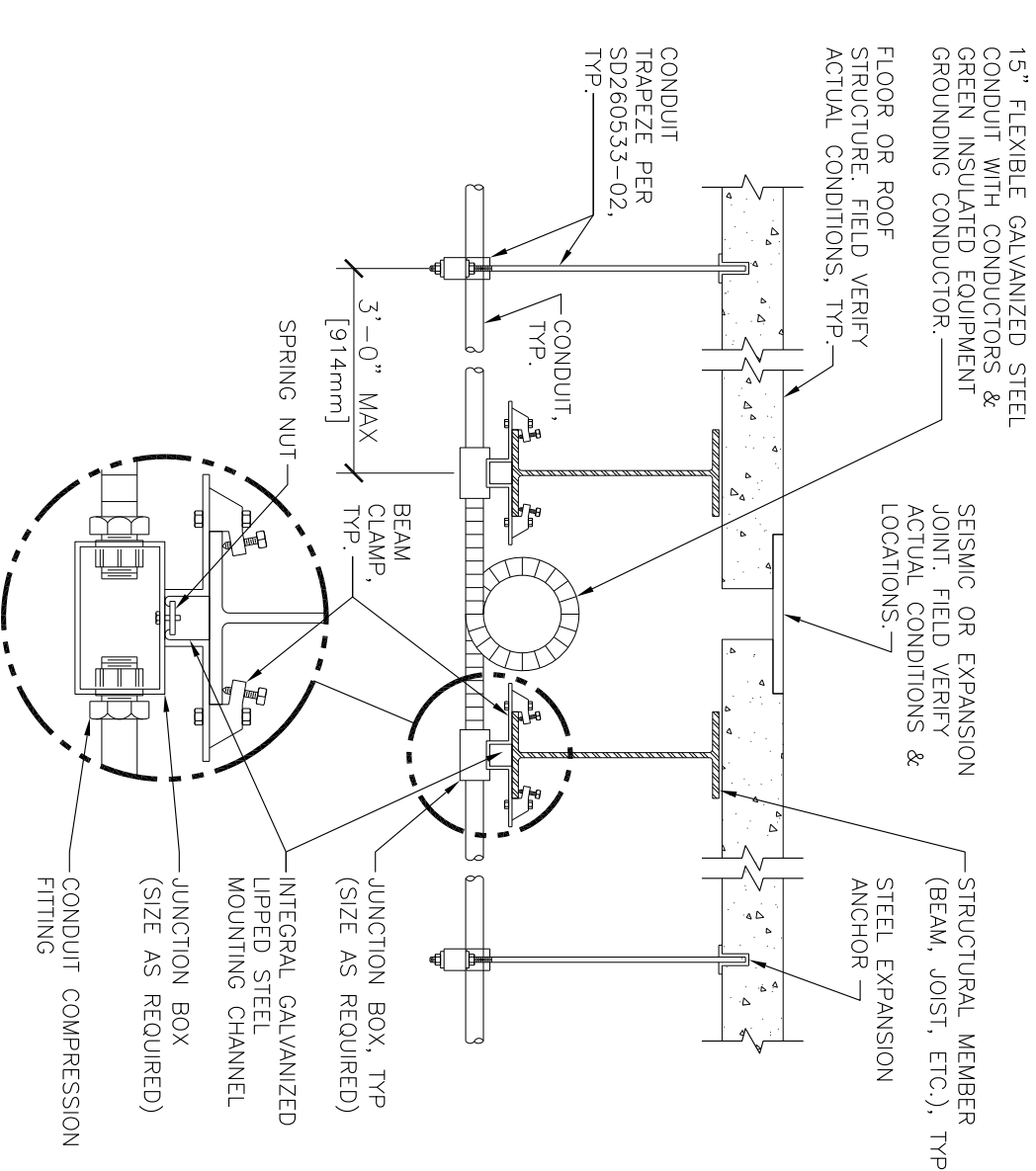
1/8" = 1'-0"

[illegible]

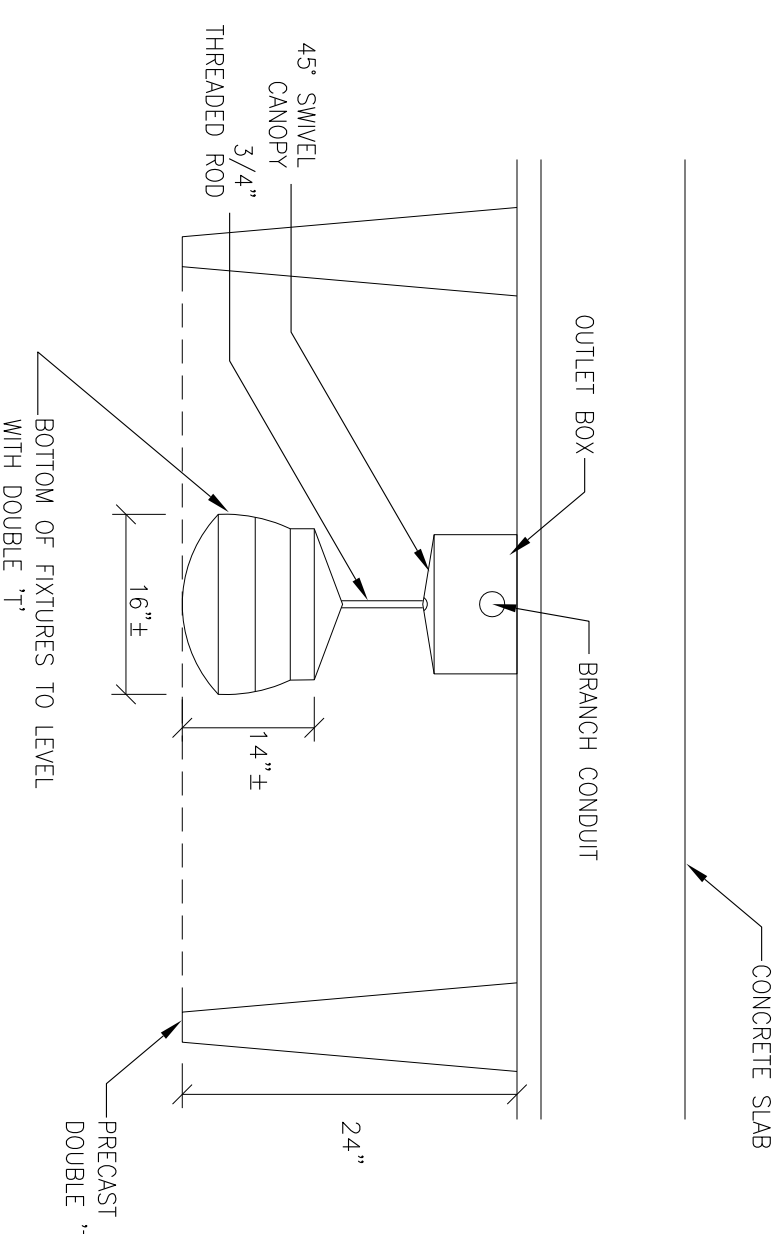


7 CONDUIT TRAPEZE MOUNTING DETAIL

- NOTES
1. METAL CHANNEL STRUT SUPPORT LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 05.3. RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS, FIELD VERIFY EXACT CONDITIONS.
3. FOR TRAPEZ INSTALLATIONS IN SEISMIC AREAS, REFER TO SPECIFICATION SECTION 10 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.



8 CONDUIT JOINT CROSSING DETAIL



11 UTILITY TRENCH DETAIL

NOTE: 3" MIN #3 MIN #4 MIN

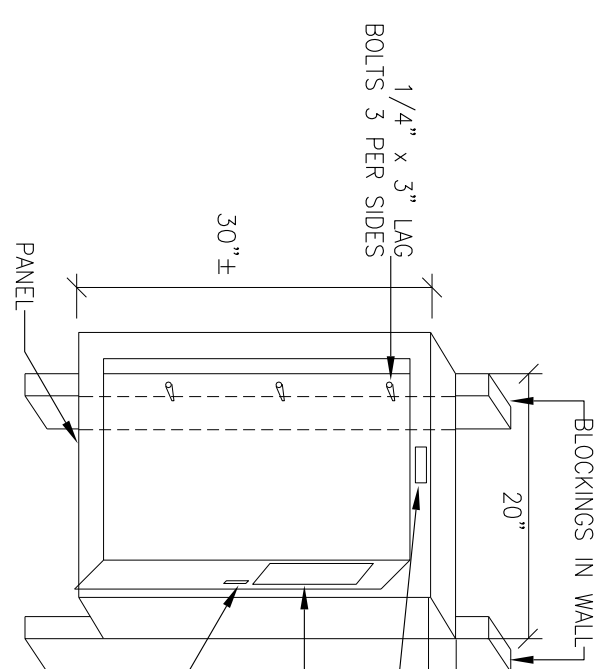
1. BACKFILL MTL TO BE PLACED IN 6" LAYERS OF PROPERLY MOISTENED MTL

2. SURFACING TO BE TROWEL EXTRA WIDE AFTER TRENCH IS BACKFILLED AT EX PAVED AREA

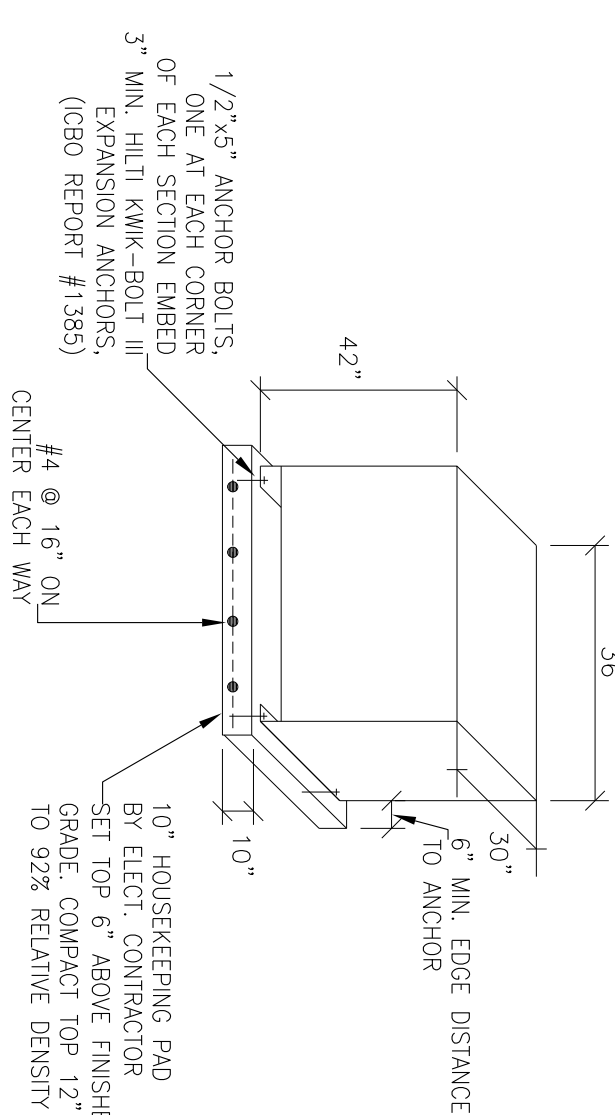
3. POWER & SIGNAL CONDUITS SHALL BE SEPARATED BY MIN. 12"

4. PROVE MIN 12" SEPARATION BETWEEN POWER & LV CONDUITS

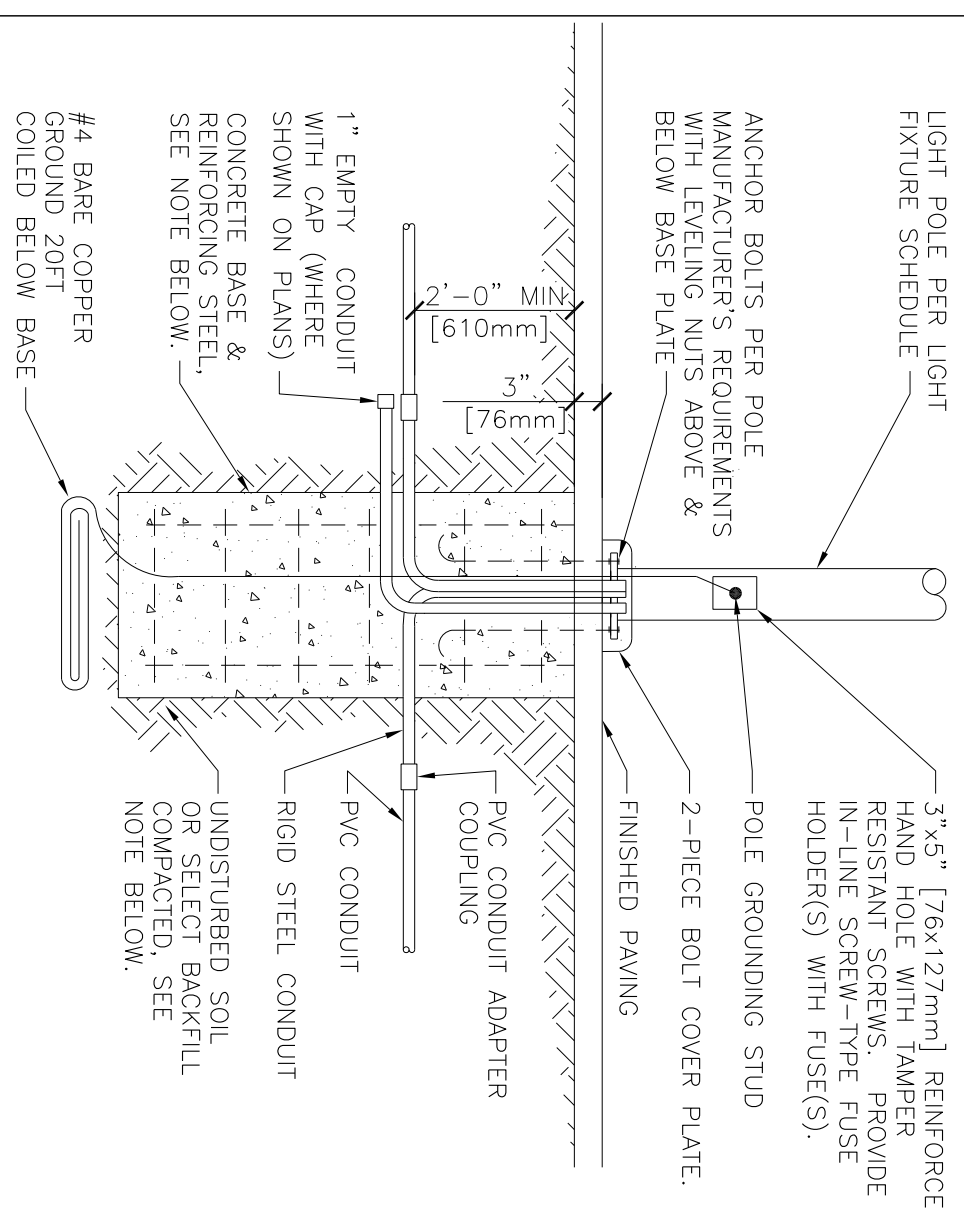
POWER	24" MIN COVER UNL
IL/DI/DI/VF/FS/SM	24" MIN COVER UNL



9 SURFACE PANEL MOUNTING DETAIL

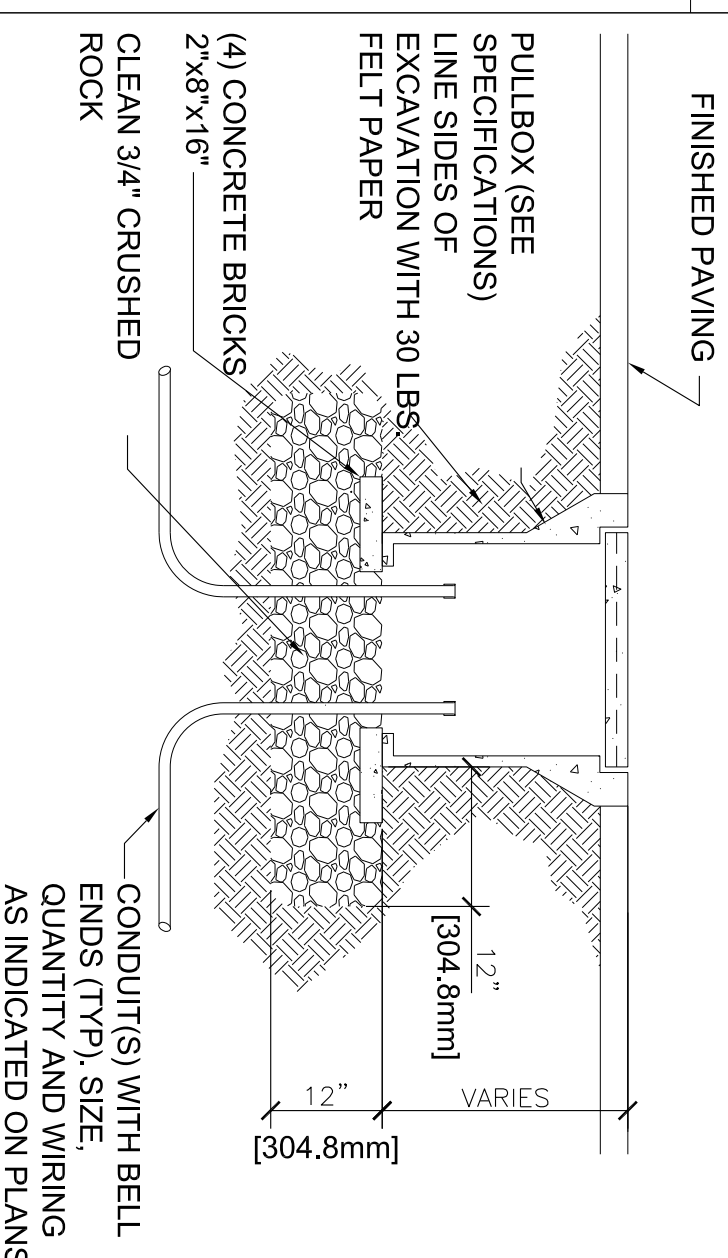


10 TRANSFORMER MOUNTING DETAIL

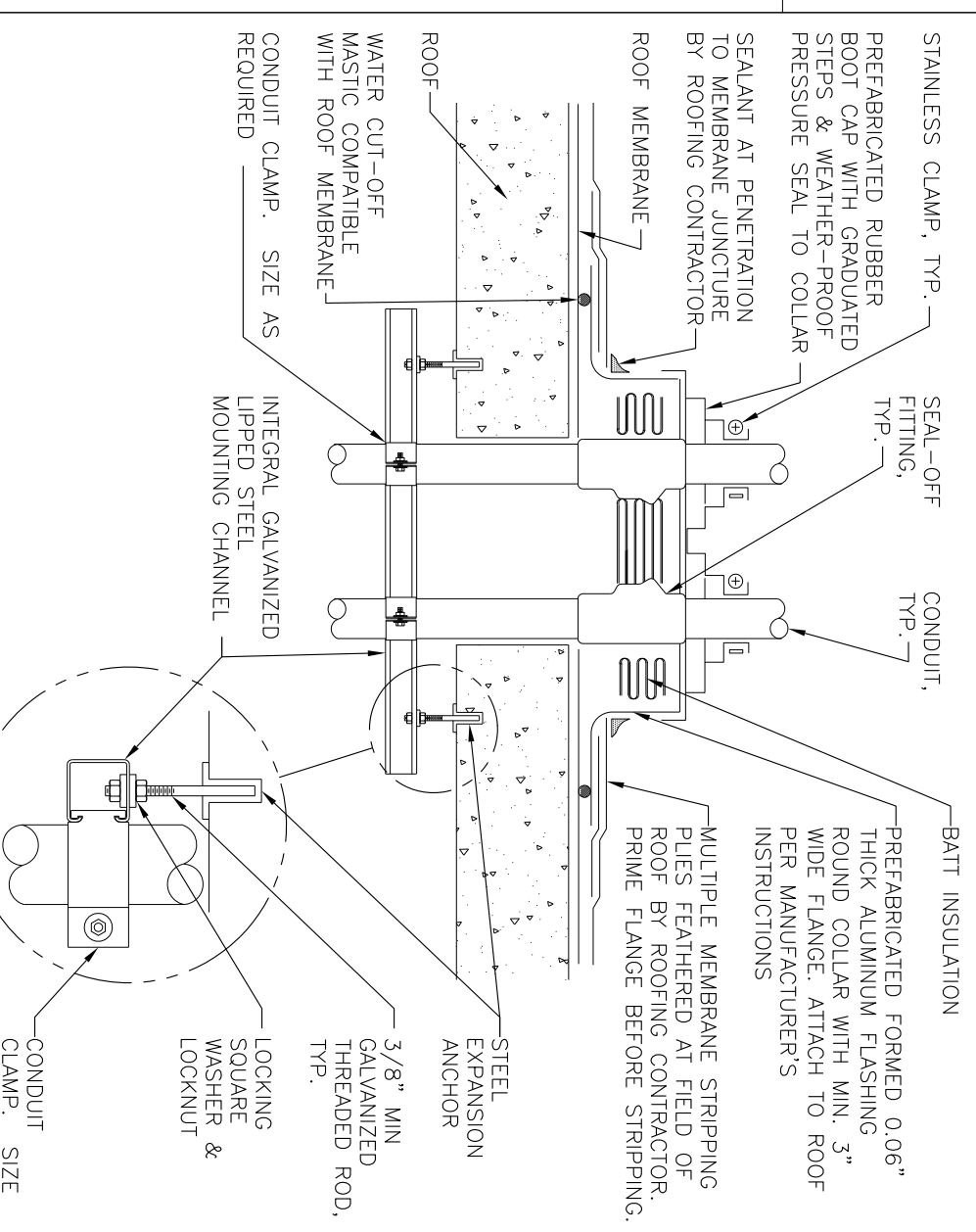


4 POLE BASE DETAIL

FOR LIGHT ON COLUMN PRECAST MANUFACTURE TO PROVIDE ANCHOR BOLTS PER LIGHTING MANUFACTURE.

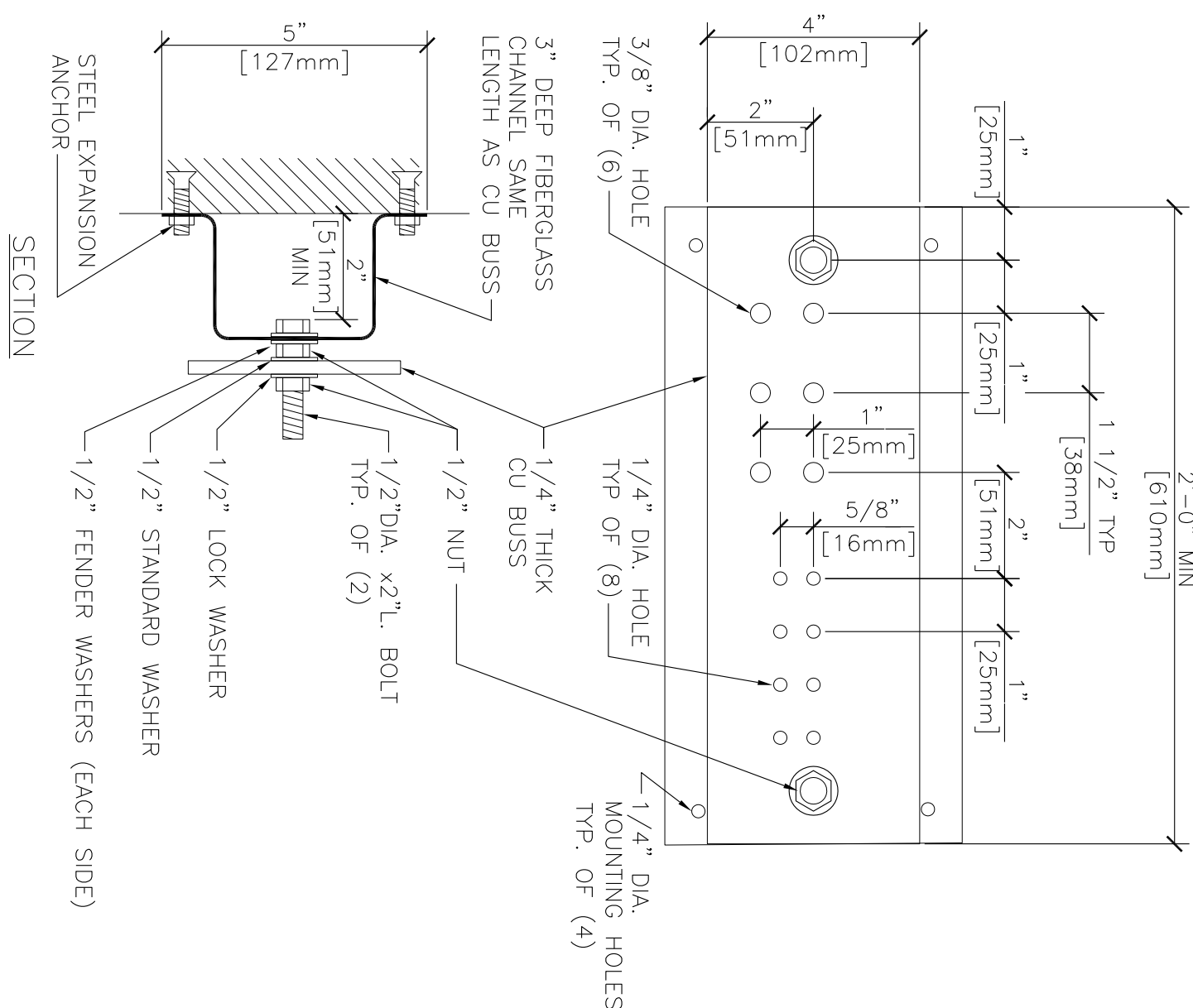


2 UNDERGROUND CONCRETE PULLBOX



3 ROOF PENETRATION DETAIL

1. MINIMUM CLEARANCE OF 12" (39mm) ON ALL SITES OF ROOF PENETRATION FROM WALLS, CORERS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
2. FLASHINGS OF ADJACENT FLASHINGS SHALL NOT BE CUT OR OVERLAPPED.
3. VERIFY ROOF & STRUCTURAL SYSTEM WITH ARCHITECT.
4. COORDINATE FLASHING INSTALLATION WITH ROOFING CONTRACTOR TO ENSURE PROPER METHODS & MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY.

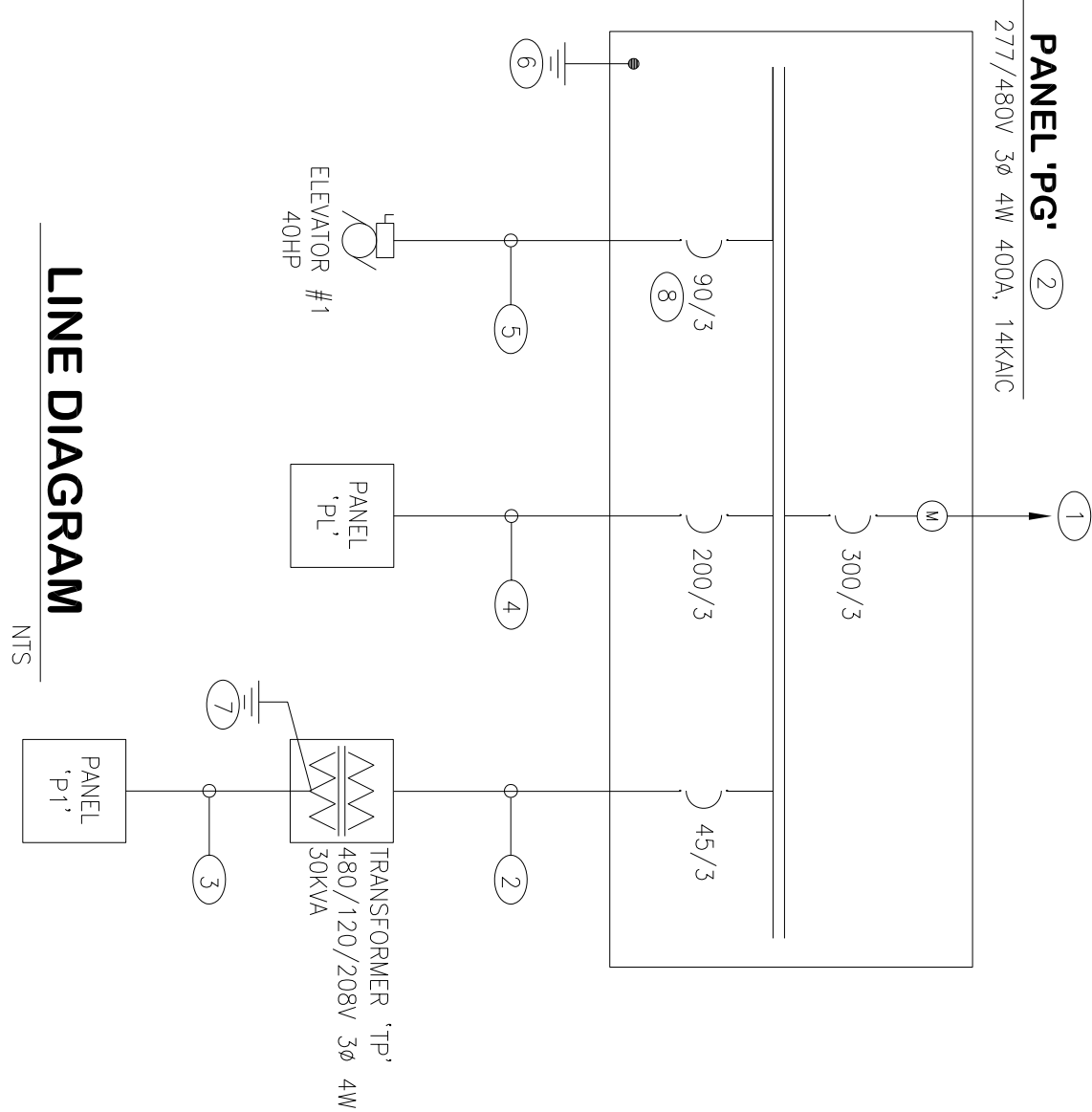


GROUNDING BAR DETAIL

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

[illegible]

FIGURE SCHEDULE									
ALL FLUORESCENT BALLASTS TO BE ENERGY SAVING TYPES, 0.0N, GERMED PER TITLE 24, SECTION 2-5.31(6)									
ALL FLUORESCENT LAMPS TO BE ENERGY SAVING TYPES, 0.0N, GERMED PER TITLE 24, SECTION 2-5.31(6)									
TYPE	WATT	LAMP	VOLT	MANUFACTURER	CATALOG NO.	MTG	NOTES		
A1	215	200W	277	KIM	PO4-250PMH27710L-W/LP82	PM20			
A1	215	200W			PO4-250PMH27710L-W/LP82				
BE	60	272815		COLUMBIA	CS-4-27815-EP-WC-S18-1	STEM	WITH MICROLOU		
CE	60	272815		KENALL	KLH45-48-T-W-C-272815-RP-DY-PH-EL1400	SWR			
E1	4	INCL		DUAL LITE	SEW1-5-G-W-E	STEM			
SA	140	120ALD			SEW1-5-G-W-E	STEM			
T	32	1F2815		KIM	MOE-D-3-120ALD-LK-277Y	WALL	CUSTOM FINISH PER ARCHITECT		
SD	600	27250W		COLUMBIA	CS-4-12815-EP-WC-DY-EL14	STEM	WITH MICROLOU		
		PMH		KIM	25-48-1250PMH277-WMP/RS-20-4185-BE-WMP	POLE	20-FT POLE LIGHT		



LINE DIAGRAM

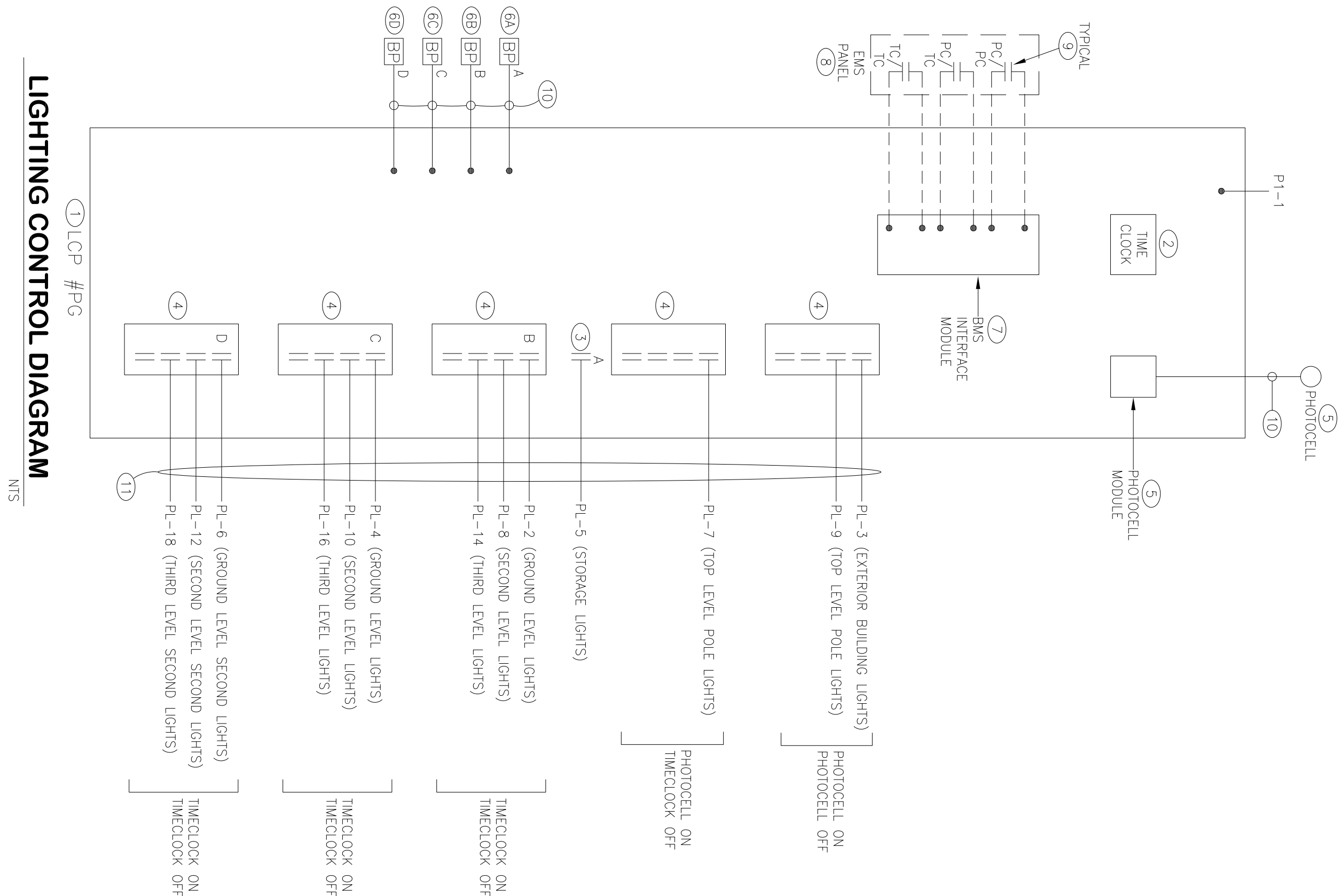
1. ONE 2C - 4#5MICK & 1#4 GROUND TO NEW SWIM TRANSFERMER. CONTACT AT SWIM JAMES COOK (916) 725-0012. REFER TO SITE PLAN FOR PROPOSED LOCATION.
2. 1C - 3#6 & 1#10 GROUND.
3. 1-1/2C - 4#1 & 1#8 GROUND.
4. 2-1/2C - 4#3/0 & 1#6 GROUND.
5. 2C - 3#2 & 1#6 GROUND.
6. RUN 1C - 1#3/0 GROUND TO REEF GROUND, AND WHERE AVAILABLE TO BUILDING STEEL AND METAL UNDERGROUND WATER PIPING IN CONTACT WITH EARTH FOR 10-FT OR MORE.
7. 1C WITH 1#6 GROUND TO BLDG SERVICE GROUNDING ELECTRODE AT PANEL. 1" BREAKER FOR ELEVATOR SHALL BE SHUNT THER TYPE WITH 120 V COIL, AND AUX CONTACTS

LINE DIAGRAM NOTES:

277/480 VOLTS 3 PHASE 4 WIRE										14K BREAKER ALB	
100 A. BOSSING NO. A. MAIN BREAKER										6" x 20" MAX ENCL. DEPTH & WIDTH	
30 CIRCUIT										SURFACE MOUNTING	
PANEL PL											
CR. NO.	BKR	LOAD (VA)	DESCRIPTION	DESCRIPTION	MAX. LOAD (VA)	BKR	CR. NO.	LOAD (VA)			
MAX. LOAD (VA)	PHASE	PHASE			PHASE	PHASE	MAX. LOAD (VA)				
1	20 / 1	1560	LIGHTS - STAIRS ELEVATION 1080	LIGHTS - GROUND LEVEL PARKING	1510	20 / 1	2 - 2				
3		3200	EXTERIOR LIGHTS		1290		4				
5		1800	LIGHTS - ELEC. STORAGE		1290		6 - 6				
7	1200		POL. LIGHTS LEVEL	LIGHTS - 2ND LEVEL PARKING	1940		8 - 8				
9		1200					10 - 10				
11			SPARE				12	1720			
13				LIGHTS - 3RD LEVEL PARKING	1080		14				
15							16 - 16	1290			
17							18 - 18	860			
19							20				
21							22				
23							24				
25							26				
27							28				
29							30				
PHASE A = 12840 VA, PHASE B = 10640 VA, PHASE C = 10390 VA										51 AMP	
TOTAL CONNECTED (35860 VA) + 25% CLC (8465 VA) = 42325 VA (51 AMP)											
1) BREAKER TIE:											

[illegible]

(1) ELEVATOR BREAKER SHALL BE SHUNT TRIP TYPE WITH 120V SHUNT TRIP COIL AND AUX CONTACTS.



LIGHTING CONTROL DIAGRAM

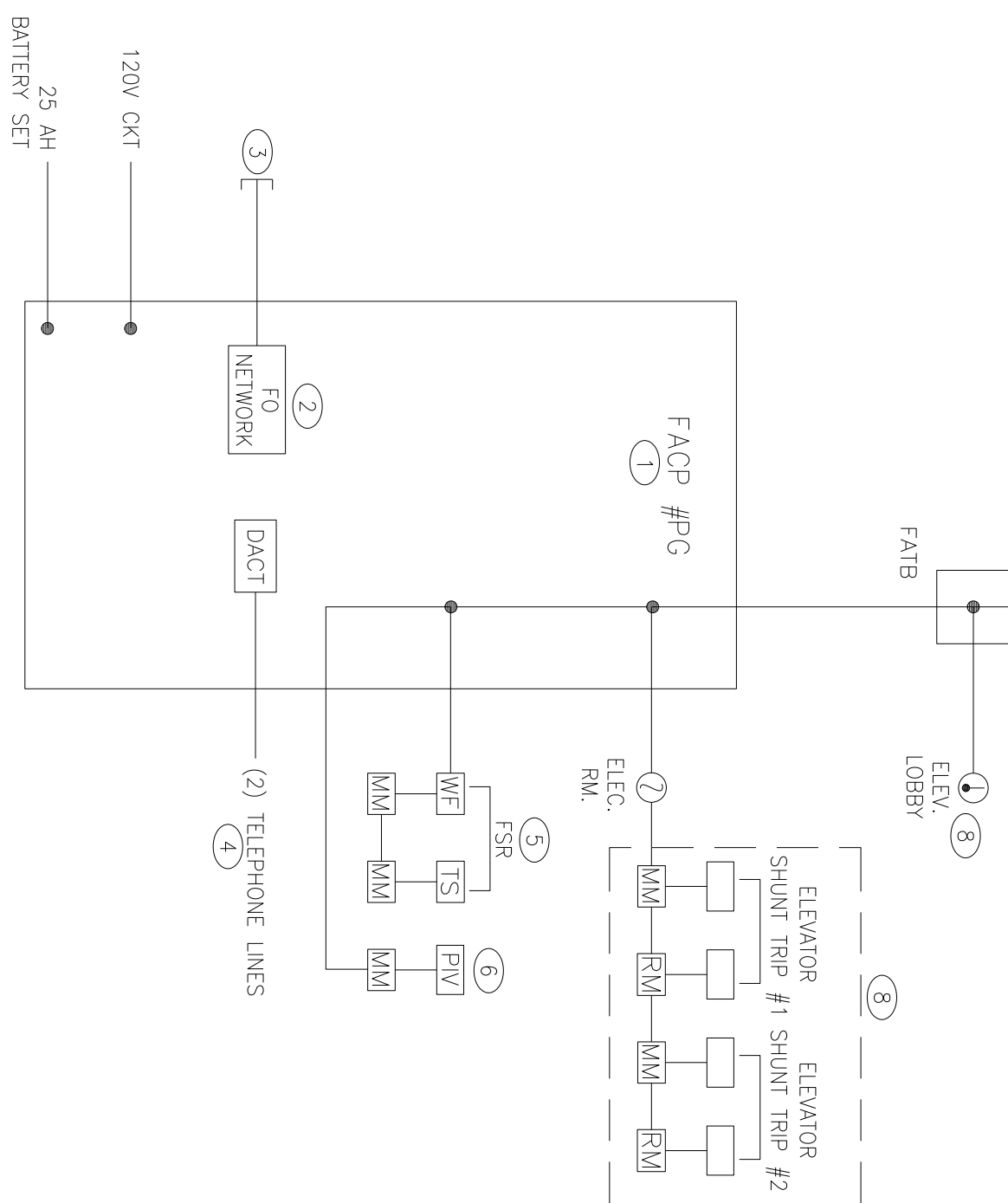
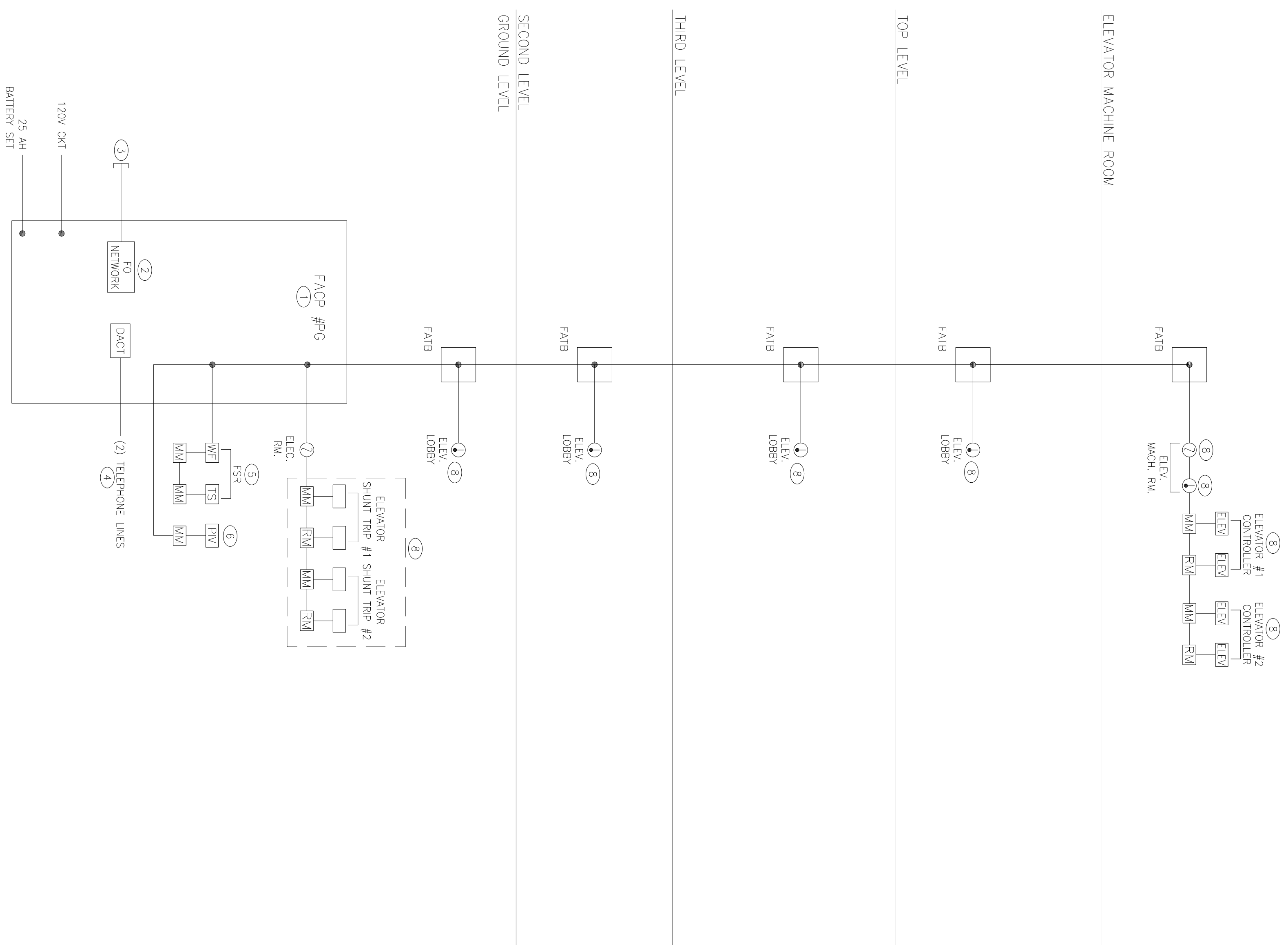
- ## LIGHTING CONTROL DIAGRAM NOTES
- (1) LIGHTING CONTROL PANEL SHALL BE METAL COVERED, NEMA 4X WITH ACCESSORIES, MOUNTED TO EXISTING LIGHTING CONDUITS OR AS INDICATED ON DRAWING.
 - (2) PROVIDE A SEPARATE CIRCUIT FOR EACH ROOM AND/OR AREA OF THE BUILDING. PROVIDE OUTLET STRAPUP AND PROGRAMMING AS DIRECTED BY OWNER. INCLUDE 2-PICTURE DIMMER INSTRUCTION TO OWNER'S PERSONNEL.
 - (3) PROVIDE MAXIMUM 10MCD/CUT PER TITLE 24 REQUIREMENT.
 - (4) TYPICAL #RUM 20 AMP RATED LIGHTING RELAY.
 - (5) CONTROL PANEL SHALL HAVE PHOTOCONTROL, MODULE, VOLTAGE LOW VOLTAGE PHOTOCELL ON ROOF- FEAIR NORTH.
 - (6A) PROVIDE DIALTYPE 1-AUTOTON SWITCHES TO BE PROGRAMMED FOR MAXIMUM 2-VOLTS PRESS OF 10MCD/CUT CONTROL OF DAYTIME ROOMS OF PARKING CIRCUITS #2, 6, 14.
 - (6B) PROVIDE DIALTYPE 1-AUTOTON SWITCHES TO BE PROGRAMMED FOR MAXIMUM 2-VOLTS PRESS OF 10MCD/CUT CONTROL OF DAYTIME ROOMS OF PARKING CIRCUITS #2, 6, 14.
 - (6C) PROVIDE DIALTYPE 1-AUTOTON SWITCHES TO BE PROGRAMMED FOR MAXIMUM 2-VOLTS PRESS OF 10MCD/CUT CONTROL OF OTHER ROOMS OF PARKING CIRCUITS #4, 8, 16.
 - (6D) PROVIDE DIALTYPE 1-AUTOTON SWITCHES TO BE PROGRAMMED FOR MAXIMUM 2-VOLTS PRESS OF 10MCD/CUT CONTROL OF OTHER ROOMS OF PARKING CIRCUITS #4, 8, 16.
 - (7) CONTROL PANEL SHALL HAVE ONE INTERFERENCE IMMUNE 8-CANAL LIGHT WITH STATUS OUTPUT, FOR FUTURE AUTOMATIC CONTROL, BY THE EWS SYSTEM.
 - (8) EMS PANEL SHALL BE PROVIDED IN TOWNHSE BY THE OWNER.
 - (9) TYPICAL MAINTAINED CONTACTS PROVIDED BY EMS PANEL FOR SIGNAL INPUT TO LIGHTING. #WOM4-PANEL SCHEM FOR REFERENCE ONLY.
 - (10) LIGHTING. #WOM4-PANEL WITH SCHEDULE LISTED CASE.
- RUN TIME 1-1/4" FROM CLO. TO PANEL. #PL FOR WIRING.

LIGHTING CONTROL DIAGRAM NOTES:

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CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

[illegible]



PARKING STRUCTURE FIRE ALARM RISER DIAGRAM

NTS

FIRE ALARM RISER DIAGRAM NOTES:

- 1 NEW P.A. AND ALL FIRE ALARM DEVICES SHALL EXISTING IN EXISTING HOSPITAL BUILDING FOR FUTURE FIRE ALARM NETWORKING.
- 2 PUMP SHALL HAVE FIBER OPTIC NETWORK CORD FOR FUTURE NETWORKING WITH EXISTING CABLE IN RIGID JACKET.
- 3 ONE 2" RCP SILE ELECTRICAL DRAIN TO EXISTING HOSPITAL BUILD #650, FOR FUTURE FIRE ALARM NETWORKING.
- 4 RAIN TIE LINES WITH JACOBS FROM TELEPHONE BACKBOARD TO JACOBS FOR REMOTE MONITORING.
- 5 FIRE SPRINKLER SHALL BE PROVIDED IN FUTURE, RAIN ONE 1" FROM PUMP TO FUTURE FOR LOCATION AS DIRECTED BY CIVIL ENGINEER FOR FUTURE CONNECTION.
- 6 PUMP SHALL BE PROVIDED IN FUTURE, RAIN ONE 1" FROM PUMP TO FUTURE LOCATION AS DIRECTED BY CIVIL ENGINEER FOR FUTURE CONNECTION.
- 7 MONITORING AND EVALUATION OF ELEVATOR SHAFT TIE BEARERS SHALL BE PROVIDED IN FUTURE WHEN THE FIRE SPRINKLER SYSTEM IS INSTALLED SHOWN FOR REFERENCE ONLY.
- 8 PROGRAM INITIATION DEVICES FOR ELEVATOR CAR RETAIL FUNCTION.

[illegible]

Consultants:

Architects / Engineers:

Erampion
Consulting
Engineers



Oil • Structural • Survey • Construction

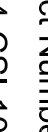
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Tustin, CA 92680
TEL: (949) 261-3400 FAX: (949) 261-3400
WWW.FCE-ENG.COM

FIRE ALARM SYSTEM OPERATION MATRIX							
DEVICE	ACTION NOTIFICATION DEVICES	SIGNALS FAV/SIGNAL DAMPERS	ANNOUNCE AT BUILDING PAID	ANNOUNCE AT ANNOUNCER	SEND SIGNAL TO CENTRAL STATION	ELEVATOR RECALL	ELEVATOR SHUNT TRIP
FIRE ALARM PANEL			X	X			
FIRE ALARM TROUBLE	NA		NA	NA	NA		
MANUAL PULL STATION	NA						
SMOKE DETECTOR	NA		X	X	X		
HEAT DETECTOR	NA		X	X	X		
DUCT SMOKE DETECTOR	NA	NA	NA	NA	NA		
WATER FLOW SWITCH	NA		X	X	X		
VALVE TAMPER SWITCH			SUPERVISORY	SUPERVISORY	SUPERVISORY		
POST INDICATOR VALVE			SUPERVISORY	SUPERVISORY	SUPERVISORY		
ELIMINATOR WASH ROOM SMOKE DETECTORS			X	X		X	
ELIMINATOR WASH ROOM, DOWNWAY HEAD DETECTORS			X	X			X

FIRE ALARM SYSTEM WIRING NOTES:

1. ADDRESSABLE SIGNAL LINE CIRCUIT CABLES RUN INSIDE BLOBS SHALL BE #16 TWISTED SHIELDED PAIRED PFL CABLE, BELDEN #9575 OR EQUAL.
2. ADDRESSABLE SIGNAL LINE CIRCUIT CABLES RUN UNDERGROUND OR EXTERIOR OF BLOBS SHALL BE #16 TWISTED SHIELDED PAIRED PFL CABLE LISTED FOR WET LOCATION, WEST PENN. #A0294 OR EQUAL.
3. NMC CIRCUIT WIRING SHALL BE #12 THIN COPPER RUN IN CONDUIT, OR 2- CONDUCTORS #12 PFL CABLES BELDEN #9582 OR EQUAL.

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

Drawing Title: Fire Alarm Riser Diagram, Details	Project Title: VA Northern California Health Care System Parking Structure		Project Number: 61244-CSH-102	Office of Construction and Facilities Management
	Location: 10335 Hospital Way, Mather, CA 95655		Building Number: N/A	
Approved: Project Director	Date: 11/12/2012	Checked: ECF	Drawn: KLA	Dwg. 74 of 74
Drawing Number: E 402				 Department of Veterans Affairs