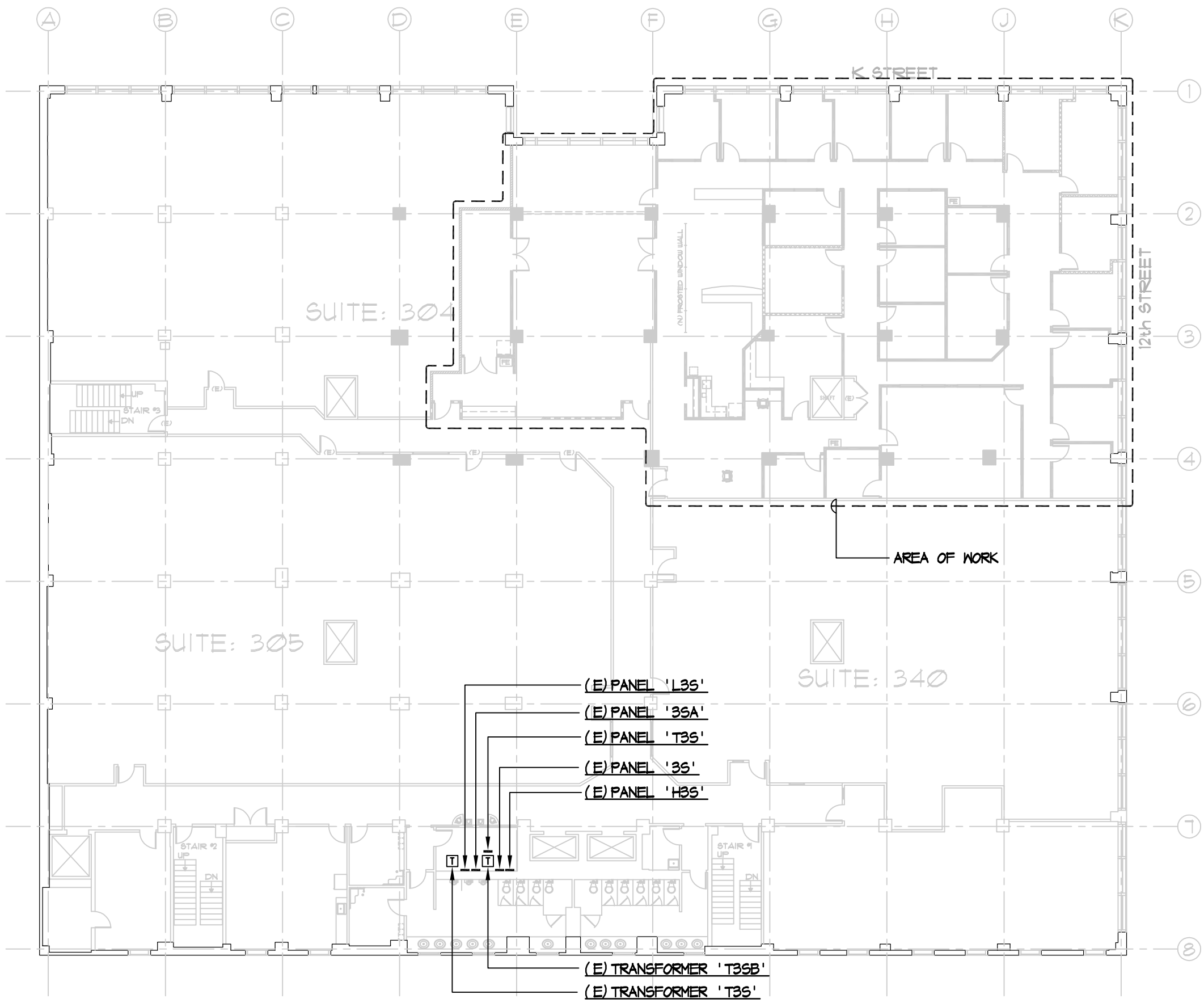


LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	LAMPS	VA	MOUNTING	REMARKS
A	(E) 2' x 4' TROFFER 2-LAMP	(E) FIXTURE TO BE REUSED AND RELOCATED	2-F32T8	50	RECESSED	CLEAN AND RELAMP ALL FIXTURES PRIOR TO REINSTALL
B	PENDANT FIXTURE	LIGHTOLIER PS01L275AU-5601L	LED	6.9	PENDANT MTD	
X	EXIT LIGHT	EMERSILITE	LED	25	UNIVERSAL	


















































## OVERALL FLOOR PLAN

SCALE: 1" = 20' - 0"

## GENERAL NOTES

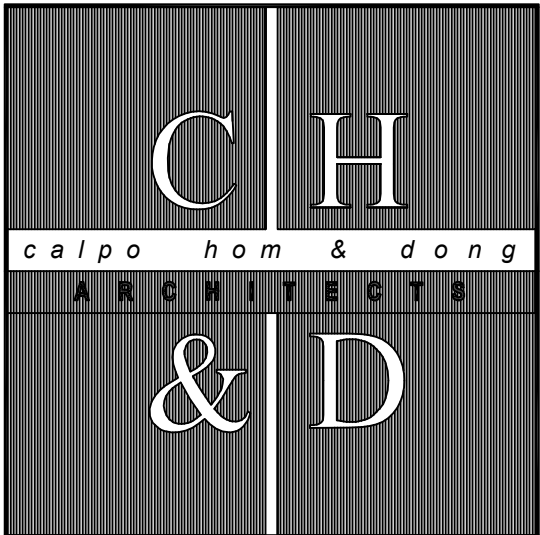
3. THESE GENERAL NOTES ARE INTENDED TO ASSIST THE CONTRACTOR IN THE EXECUTION OF THE ELECTRICAL WORK AND TO BE INCLUDED IN CONJUNCTION WITH THE CONTRACT DOCUMENT DRAWINGS AND SPECIFICATION REQUIREMENTS.
2. PROCURE REQUIRED PERMITS AND LICENSES. PAY ALL NECESSARY FEES AND ARRANGE FOR INSPECTIONS REQUIRED BY LOCAL CODES, ORDINANCES AND UTILITY COMPANIES.
3. WORKMANSHIP SHALL BE OF THE HIGHEST GRADE. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED BY THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE ACCEPTANCE OF THE ARCHITECT.
4. INSTALL ALL EQUIPMENT, CONDUITS, OUTLETS, AND FIXTURES IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES (CEC, STATE, COUNTY AND CITY).
5. DO NOT SCALE PLANS FOR FIXTURES, DEVICES, OR APPLIANCE LOCATIONS. USE FIGURED DIMENSIONS IF GIVEN OR CHECK MECHANICAL AND ARCHITECTURAL PLANS. ALSO REFER TO ACTUAL ON-SITE CONDITIONS.
6. ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CEC 110.3.
7. ALL ELECTRICAL DEVICES AND EQUIPMENT, FIXTURES, CONDUITS AND WIRING SHOWN ON THESE PLANS ARE NEW, UNLESS OTHERWISE NOTED.
8. ALL SWITCHES SHALL BE SPECIFICATION GRADE 20 AMPS A.C., MOUNT ALL TOGGLE SWITCHES AT +48" MAX (TOP OF BOX) AFF UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
9. ALL DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE, 20 AMP A.C., MOUNT ALL RECEPTACLE, TELEPHONE AND DATA OUTLETS AT +15" MIN (BOTTOM OF BOX) AFF UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
10. OUTLET BOXES INSTALLED IN FIRE WALLS SHALL BE ONE-PIECE STEEL AND INSTALLED IN SEPARATE (STAGGERED) STUD PENETRATIONS, MINIMUM 24 INCHES HORIZONTAL SEPARATION. FIRE WALLS SHALL BE MADE IN ACCORDANCE WITH CEC AND ELECTRICAL CODES.
11. THE FINAL LOCATION OF ALL OUTLETS SHALL BE VERIFIED WITH THE ARCHITECT AND/OR OWNER AT TIME OF CONSTRUCTION.
12. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHER-PROTECTED.
13. CONTRACTOR SHALL VERIFY THAT ALL LIGHTING FIXTURES, CEILING TRIMS, AND FRAMES ARE COMPATIBLE WITH CEILING SYSTEM INSTALLED.
14. CONTRACTOR SHALL COORDINATE LIGHT FIXTURE LOCATIONS AND INSTALLATIONS WITH THE MECHANICAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES (MINIMUM 3 INCHES) BETWEEN LIGHT FIXTURES AND MECHANICAL DUCTS OR EQUIPMENT FOR PROPER OPERATION, INSTALLATION AND/OR REMOVAL OF FIXTURES.
15. BEFORE SUBMITTING FOR ARCHITECT'S REVIEW AND PLACING ORDER FOR THE LIGHT FIXTURES, THE CONTRACTOR SHALL VERIFY THE VOLTAGE OF ALL THE LIGHTING FIXTURES TO MATCH THE VOLTAGE OF THE SERVICE PANEL. WHETHER THE VOLTAGE FOR THE LIGHT FIXTURES ARE SHOWN ON THE PLAN OR NOT.
16. PLACEMENT AND CIRCUITING OF EXIT SIGNS AND EGRESS LIGHTING SHALL COMPLY WITH CEC REQUIREMENTS.
17. ALL CONDUIT SHALL BE ROUTED CONCEALED UNLESS NOTED ON PLAN OR ACCEPTED BY THE ARCHITECT.
18. ALL WIRING SHALL BE INSTALLED IN METALLIC CONDUIT, UNLESS OTHERWISE NOTED. CONDUITS INSTALLED IN WALL AND CEILING MAY BE ENT WITH STEEL COMPRESSION TYPE FITTINGS. PVC WHERE INSTALLED UNDERGROUND AND/OR SLAB. INSTALL ALL CONDUITS IN ACCORDANCE WITH NECA STANDARDS OF INSTALLATION. NO CABLE IS ALLOWED ON THIS PROJECT.
19. CONDUCTORS, #12 AND LARGER, SHALL BE STRANDED COPPER WITH THIN/THIN INSULATION, UNLESS OTHERWISE NOTED.
20. PROVIDE WORKING CLEARANCE PER CEC 110.26. SERVICE PANEL, SUBPANELS, MOTOR AND HVAC DISCONNECT SWITCHES, CONTROL SECTIONS, HVAC EQUIPMENT, APPLIANCES, ETC.
21. PROVIDE A WARNING SIGN CLEARLY VISIBLE TO QUALIFIED PERSONS TO COMPLY WITH NEC AND CEC. ALL ELECTRICAL ARC FLASH HAZARDS AT SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTERS THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED.
22. CONTRACTOR SHALL SIZE ALL INTERIOR AND EXTERIOR BUILDING PULL BOXES AND UNDERGROUND PULL BOXES PER CEC 814.16 AND COMPLY WITH CEC 814.28 FOR INSTALLATION OF RACEWAYS AND WIRING AS REQUIRED BY CODE, UNLESS OTHERWISE NOTED.
23. WHERE ACCESSIBILITY IS NOT AVAILABLE TO ELECTRICAL OUTLETS, DEVICES AND/OR EQUIPMENT, COORDINATE WITH THE ARCHITECT FOR PROVISIONS TO PROVIDE ACCESSIBILITY TO THEM.
24. ALL TERMINATION PROVISIONS OF EQUIPMENT FOR CIRCUITS RATED 100 AMPERES OR LESS SHALL BE RATED AT 60°C. ALL TERMINATION PROVISIONS OF EQUIPMENT FOR CIRCUITS RATED OVER 100 AMPERES SHALL BE RATED AT 75°C PER CEC 110.14(C).
25. BUILDING SERVICE AND SUBPANELS TO COMPLY WITH CEC 110.9 AND 110.10 INTERRUPTING RATINGS AND BRACING. PROVIDE A I.C. CALCULATIONS FOR SUBPANELS IF INTERRUPTING RATINGS TO BE USED IS LOWER THAN MAIN SERVICE RATINGS.
26. CONTRACTOR SHALL PROVIDE MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS IN MULTILINE BRANCH CIRCUITS PER CEC 210.4(B).
27. ALL BRANCHES SHALL COMPLY WITH CEC 422. APPLIANCE CONTROL AND PROTECTION PER CEC 422-III; APPLIANCE CIRCUITS PER CEC 422-II.
28. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE MECHANICAL DRAWINGS, PROVIDING ALL CONDUIT, CONTROL WIRING AND POWER WIRING SHOWN ON THE MECHANICAL DRAWINGS THAT ARE NOT SHOWN ON THE ELECTRICAL PLANS.
29. CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS AND COORDINATE THE EQUIPMENT LOCATIONS. COORDINATE ROOF PENETRATIONS WITH THE MECHANICAL CONTRACTOR FOR MECHANICAL CONNECTIONS. ENTER ROOF MOUNTED UNITS THROUGH EQUIPMENT MOUNTING CURB WHERE POSSIBLE. VERIFY ON-SITE.
30. ALL CONNECTIONS FROM DISCONNECT SWITCHES TO HVAC UNITS OR MECHANICAL EQUIPMENT SHALL BE COPPER CONDUCTORS. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-VII, 430-VIII, AND 440-II.
31. VERIFY LOCATION AND HEIGHT OF ALL MECHANICAL OR FIXTURE EQUIPMENT OUTLETS WITH SUPPLIER PRIOR TO ANY ROUGH-IN WORK. PROVIDE ALL RUNS AND CONNECTIONS TO EQUIPMENT.
32. PROVIDE CONVENIENCE OUTLET WITHIN 25 FEET OF MECHANICAL EQUIPMENT PER CMC. WHERE LOCATED OUTSIDE, PROVIDE WEATHER-PROOF AND GFCI CONVENIENCE OUTLET. SECURE ROOF MOUNTED OUTLET TO THE MECHANICAL EQUIPMENT. VERIFY LOCATION IN FIELD WITH THE MECHANICAL CONTRACTOR.
33. VERIFY SINGLE-POINT CONNECTIONS TO ROOF MOUNTED HVAC UNITS WITH MECHANICAL CONTRACTOR ON-SITE PRIOR TO ELECTRICAL ROUGH-IN. PROVIDE DUAL DISCONNECTS IF TWO-POINT CONNECTIONS ARE REQUIRED, WHETHER SHOWN ON PLANS OR NOT.
34. SWITCH DEVICES CONTROLLING MECHANICAL EQUIPMENT SHALL BE THE SIZE AND TYPE REQUIRED TO SERVED WITH QUANTITY OF MIRES AS REQUIRED. SEE DIVISION 15 MECHANICAL PLANS AND SPECIFICATIONS.
35. COORDINATE WITH HVAC EQUIPMENT FOR FUSES REQUIRED. WHERE FUSES ARE REQUIRED, VERIFY FUSE SIZE ON-SITE AND PROVIDE PER EQUIPMENT NAMEPLATE SPECIFICATIONS.
36. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-IX AND 440-II.
37. MOTOR STARTERS FOR HVAC EQUIPMENT ARE PROVIDED BY MECHANICAL CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
38. COORDINATE ALL ELECTRICAL SERVICES WITH THE RESPECTIVE UTILITY COMPANIES AND PROVIDE ALL TRENCING, CONDUITS, WIRING, METER FACILITIES AND OUTLETS REQUIRED BY THEM.

## SYMBOLS LIST

<u>SYMBOL</u>	<u>DESCRIPTION</u>
	INCANDESCENT/HID/COMPACT FLUORESCENT LIGHTING FIXTURE, CEILING OR PENDANT
	INCANDESCENT/HID/COMPACT FLUORESCENT LIGHTING FIXTURE, RECESSED
	INCANDESCENT/HID/COMPACT FLUORESCENT LIGHTING FIXTURE, WALL MOUNTED
	FLUORESCENT LIGHTING FIXTURE, RECESSED
	FLUORESCENT OR LED LIGHTING FIXTURE, SURFACE
	FLUORESCENT STRIP FIXTURE, SURFACE
	EXIT / EMERGENCY LIGHT FIXTURE
	EMERGENCY LIGHT
	FIXTURE TAG - 'A' DENOTES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	SINGLE POLE TOGGLE SWITCH, 20A, 120-277V AT +48" MAX (TOP OF BOX)
	THREE WAY TOGGLE SWITCH 20A, 120-277V AT +48" MAX (TOP OF BOX)
	SUBSCRIPT DENOTES OUTLET OR FIXTURE CONTROLLED AT +48" MAX (TOP OF BOX)
	DIMMING SWITCH 20A, 120-277V AT +48" MAX (TOP OF BOX)
	THERMAL OVERLOAD SWITCH
	SINGLE OCCUPANCY SENSOR SWITCH WALL MOUNTED AT +48" MAX (TOP OF BOX), MATT STOPPER #PN-100 120/277V.
	DUAL LEVEL OCCUPANCY SENSOR SWITCH WALL MOUNTED AT +48" MAX (TOP OF BOX), MATT STOPPER #PN-200 120/277V.
	CEILING MOUNTED OCCUPANCY SENSOR, MATT STOPPER #DT-300 WITH POWER PACK FOR EACH CHAIN OF SENSORS.
	CEILING MOUNTED OCCUPANCY SENSOR, MATT STOPPER #MT-2255 WITH POWER PACK FOR EACH CHAIN OF SENSORS. (ARROWS INDICATE SPECIFIC COVERAGE FOR HALLWAYS)
	FOUR-LEG RECEPTACLE OUTLET 20A, 125V, +15" MIN (BOTTOM OF BOX)
	DUPLEX RECEPTACLE OUTLET 20A, 125V, +15" MIN (BOTTOM OF BOX)
	MOUNT OUTLET ABOVE COUNTER OR BACKSPLASH
	DUPLEX RECEPTACLE OUTLET 20A, 125V, CEILING MOUNTED
	208V 3 PH RECEPTACLE OUTLET
	208V 1 PH RECEPTACLE OUTLET
	DUPLEX RECEPTACLE FLOOR OUTLET 20A, 125V FLUSH IN FINISH FLOOR WITH BRASS TRIM
	DUPLEX RECEPTACLE OUTLET 20A, 125V, +15" MIN (BOTTOM OF BOX), DEDICATED CIRCUIT
	TELEPHONE OUTLET WALL/FLOOR MOUNTED/STUB 3/4"C-MT TO ABOVE ACCESSIBLE CL6
	COMPUTER OUTLET WALL/FLOOR MOUNTED/STUB 3/4"C-MT TO ABOVE ACCESSIBLE CL6
	TELEPHONE/COMPUTER OUTLET WALL/FLOOR MOUNTED/STUB 3/4"C-MT TO ABOVE ACCESSIBLE CL6
	MAIN SWITCHBOARD
	LIGHTING OR DISTRIBUTION PANEL
	TERMINAL CABINET
	JUNCTION BOX
	PULL BOX
	MOTOR STARTER, SEE MP45. CONNECT AS REQUIRED
	HEAVY DUTY SAFETY TYPE DISCONNECT SWITCH, SIZE & NEMA TYPE AS REQUIRED, F=FUZED
	MOTOR - MP45
	EXHAUST FAN - MP45
	MECHANICAL EQUIPMENT I.D. TAG - MP45
	FLAG NOTE SHOWN ON SAME SHEET
	CIRCUIT CONCEALED IN CEILING OR WALL
	CIRCUIT CONCEALED IN FLOOR OR UNDERGROUND
	TANDEM FIXTURE CABLE MAKE-UP
	EXISTING CIRCUIT
	HOMERUN TO PANELBOARD OR TERMINAL CABINET
	DENOTES # OF #12 WIRES, NO MARKS = 2 #12, 1/2"C, CURVED HATCH DENOTES EQUIPMENT GROUND, DOT DENOTES ISOLATED GROUND, OTHERS AS NOTED
	TELEPHONE TERMINAL BOARD "TTB". 4"x8"x3/4" PLYWOOD BACKBOARD WITH FOUR-LEG RECEPTACLE & (1)"#6 GND, UON

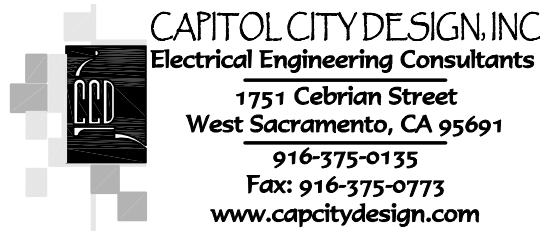
## ABBREVIATIONS

AF	ABOVE FINISHED FLOOR
C	CONDUIT
CLG	CEILING
(E)	EXISTING
EM	DEMOTES EMERGENCY FIXTURE. PROVIDE WITH 90-MINUTE BATTERY BACK-UP BALLAST, SEE LIGHTING PLANS FOR LOCATIONS AND QUANTITIES.
GFCI	GROUND FAULT CIRCUIT INTERRUPT
I	ISOLATED GROUND
MP	SEE MECHANICAL PLANS & SPECIFICATIONS
MT	EMPTY CONDUIT WITH NYLON PULL ROPE
(N)	NEN
NIES	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECIFICATIONS
NL	NIGHT LIGHT - FIXTURE TO BE UNSWITCHED
FPB	PROVISION FOR FUTURE BREAKER
PNL	PANELBOARD
(R)	RELOCATED
TTB	TELEPHONE TERMINAL BOARD
(TYP)	TYPICAL
UG	UNDERGROUND
UN	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF, RECEPTACLE COVERS SHALL BE "WEATHERPROOF WHILE IN USE". (CEC 406.8)



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*C o n s u l t a n t*



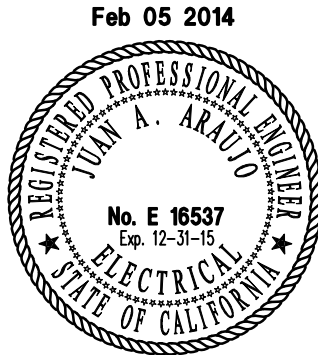
## Project

**SEIU**  
**Service Employees**  
**International Union**

1130 K STREET, SUITE 300  
SACRAMENTO, CA 95814

Sheet Title

**FIXTURE SCHEDULE,  
SYMBOLS LIST,  
GENERAL NOTES**



**Designer** TCB

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**Drawn By** JEG

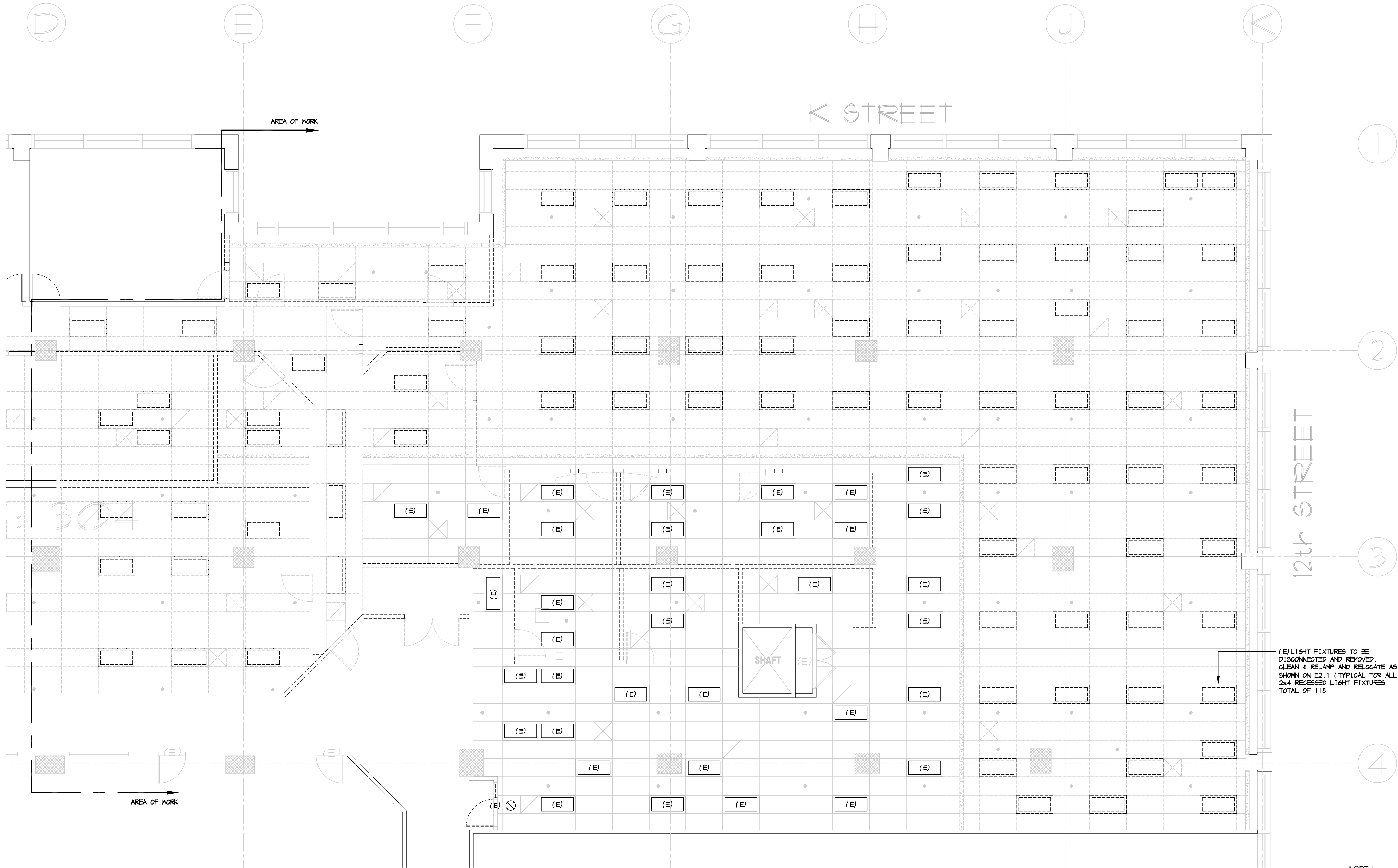
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**Job No.** 2013-149  
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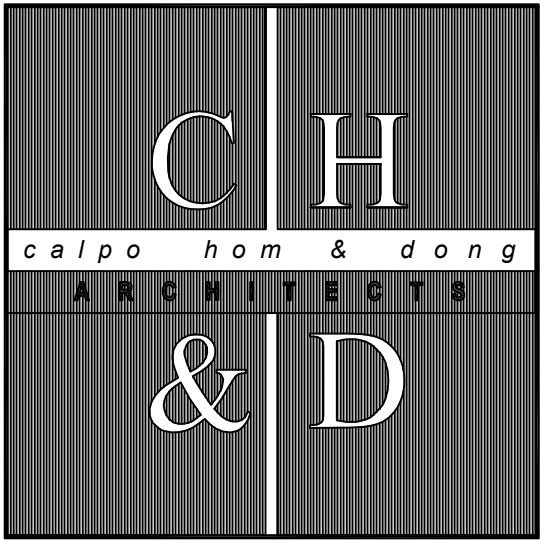
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FLOOR PLAN - DEMOLITION LIGHTING

SCALE: 3/16" = 1'-0"



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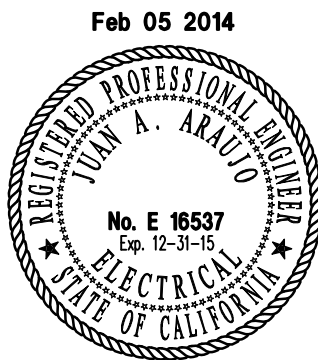
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*Sheet Title*  
**FLOOR PLAN -**  
**DEMOLITION**  
**LIGHTING**

.....



<b>Designer</b> TCB		
<b>Drawn By</b> JEG		
<b>Revisions</b>		
NO.	DATE	DESCRIPTION

**Job No.** 2013-149  
**Date** 02/05/14

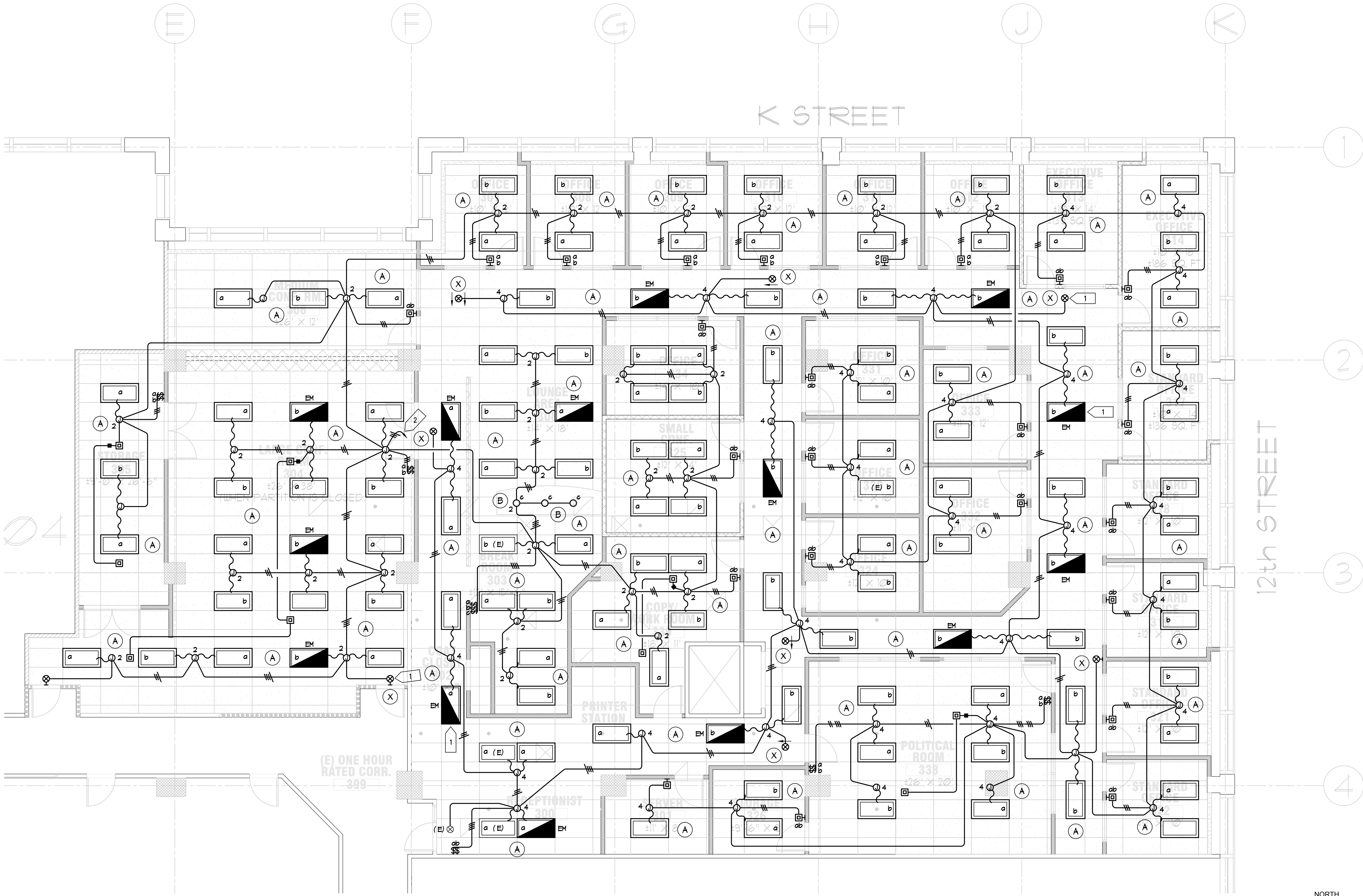
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OF SHEETS



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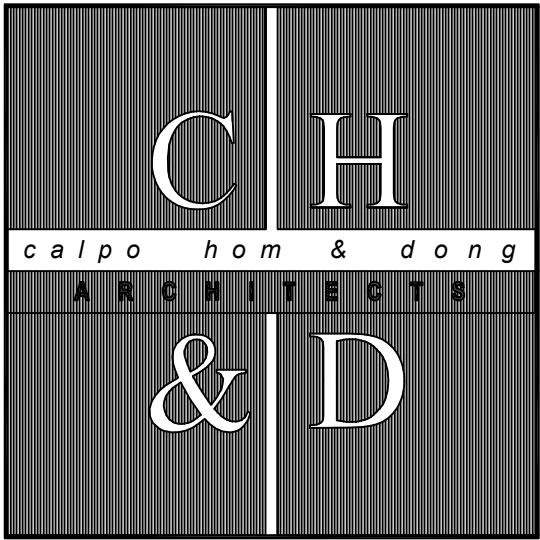


FLOOR PLAN - LIGHTING

SCALE: 3/16" = 1'-0"

SHEET NOTES

- 1 PROVIDE UNSWITCHED HOT CIRCUIT TO ALL EM AND EXIT LIGHTS (TYPICAL).
- 2 REUSE (E) CIRCUITS AFTER DEMO OF (E) FIXTURES, PANEL HBS-2,4. VERIFY EXACT CIRCUITS IN FIELD



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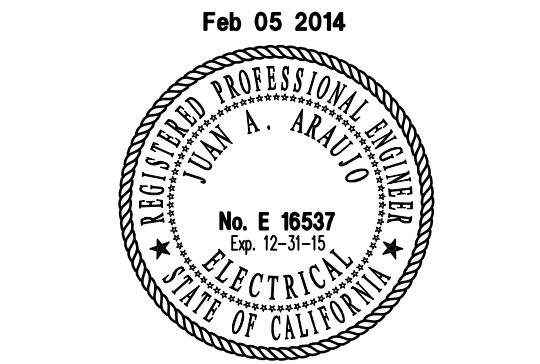
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Sheet Title  
**FLOOR PLAN -**  
**LIGHTING**

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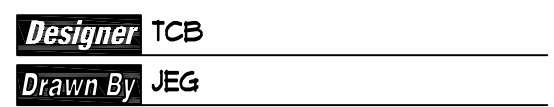
Designer TCB  
Drawn By JEG

Revisions	NO.	DATE	DESCRIPTION

Job No. 2013-149  
Date 02/05/14

Drawing No.

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<b>Job No.</b>	2013-149
<b>Date</b>	02/05/14



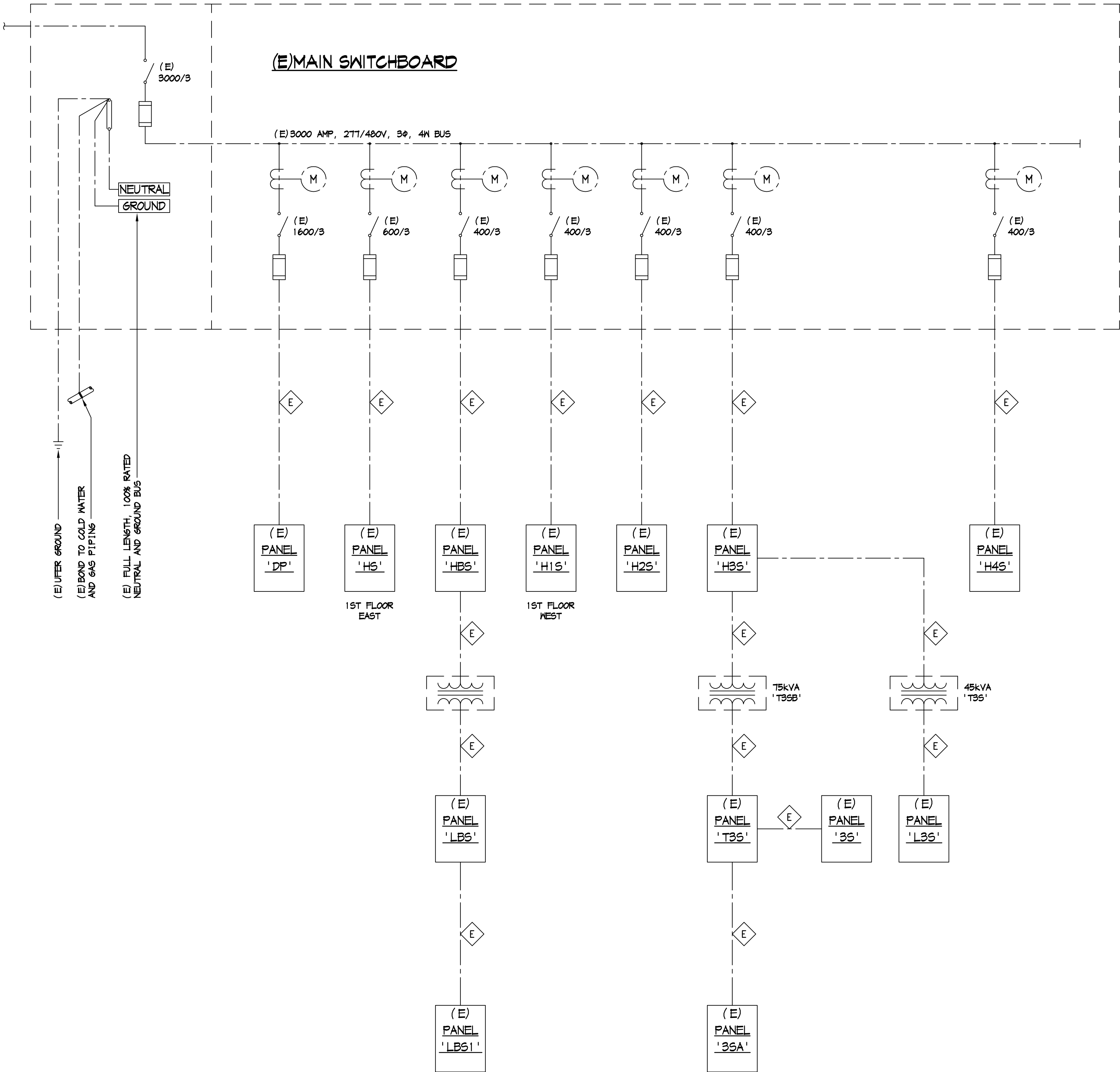
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(E) PANEL 'H3S'											
VOLTAGE: 277/480V 3Ø 4W			MOUNTING: SURFACE			KVA: 222.56					
BUS: 400 AMP			TYPE: MLO			CURRENT: 268 AMPS					
LOAD		KVA	CB	NO	NO	CB	KVA	LOAD			
SPARE					2	20	3.48	(N) LIGHTING - SUITE #300			
					4		3.42				
					6	20	8.32	(N) INH			
(E) LIGHTING - SUITE #330		3.40	20	7	8			SPARE			
		3.40		9	10						
		4.00		11	12						
		3.40		13	14						
		3.40		15	16						
		4.00		17	18						
		4.00		19	20						
		3.20		21	22						
- SUITE #335		3.20		23	24						
- SUITE #330		3.20		25	26						
- SUITE #350		3.20		27	28						
(E) INHH		3.20		29	30						
(E) LIGHTING - SUITE #350		3.40		31	32						
(E) TRANSFORMER 'T3S'		36.0	50	33	34						
				35	36						
(E) TRANSFORMER 'T3N'		54.0	100	37	38	100	40.84	(E) TRANSFORMER 'T3SB'			
				39	40						
				41	42						

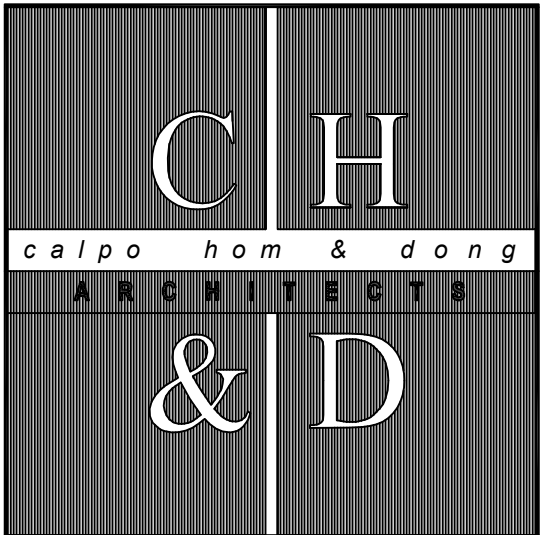
* (E) PANEL 'T3S'											
VOLTAGE: 120/208V 3Ø 4W			MOUNTING: SURFACE			KVA: 49.91					
BUS: 225 AMP			TYPE: MLO			CURRENT: 122 AMPS					
LOAD		KVA	CB	NO	NO	CB	KVA	LOAD			
(N) RECEPTACLES - SUITE #300		0.18	20	1	2	20	1.26	(N) RECEPTACLES - SUITE #300			
		0.54		3	4		1.08				
		1.60		5	6		1.08				
		0.54	20	7	8		1.08				
		1.08		9	10	20	1.08				
		1.08		11	12		1.08				
		1.08		13	14		0.72				
		1.08		15	16		1.08				
		1.08		17	18		1.26				
		0.18		19	20		0.18				
		0.18		21	22		0.18				
		0.18		23	24		0.18				
		0.18		25	26		0.18				
		0.36		27	28		0.18				
		0.18		29	30		1.08				
		1.08		31	32		0.36				
		1.08		33	34		0.36				
- ON ROOF		0.18		35	36		0.20	(N) VAV A & B			
(E) DED COPIER - SUITE #340		1.00		37	38	100	16.0	(E) PANEL '3SA'			
(N) GU-1 & FG-1		2.01	20	39	40						
				41	42						

\* CONTRACTOR TO VERIFY AVAILABILITY OF ALL (E) CIRCUITS IN FIELD PRIOR TO BID  
\*\* PROVIDE BREAKER TIES ON ALL MULTI-BRANCH CIRCUITS AS REQUIRED BY P64E



NEW ONE LINE DIAGRAM

NOT TO SCALE



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.....  
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Project

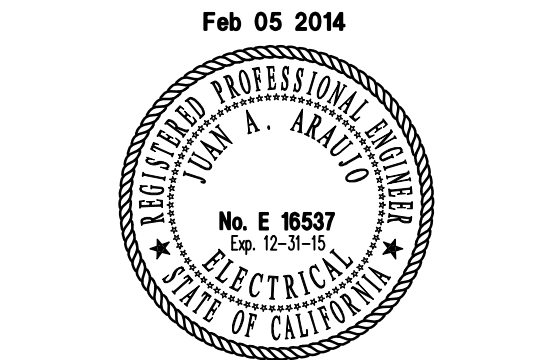
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Sheet Title

**ONE LINE DIAGRAM**  
**PANEL SCHEDULES**

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<b>Designer</b> TCB		
<b>Drawn By</b> JEG		
<b>Revisions</b>		
NO.	DATE	DESCRIPTION

**Job No.** 2013-149  
**Date** 02/05/14

Drawing No.

**E4.0**  
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OF SHEETS



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