

SYMBOLS LIST

LIGHTING FIXTURE DESCRIPTION:
SEE ARCHITECTURAL DRAWINGS AND CUT SHEETS FOR INFORMATION. (SEE LIGHTING PLANS FOR MORE INFORMATION).
SINGLE POLE WALL SWITCH, MOUNTED +36" AFF
2 = DOUBLE POLE
3 = THREE WAY
4 = FOUR WAY
o = CONTROLLING OUTLET OF FIXTURE "o"
TO = MOTOR RATED TOGGLE SWITCH WITH THERMAL OVERLOAD PROTECTION

PER POWER PLANS

3/4" IN CONDUIT WITH 2 #12 & 1 #12 GROUND WIRE
3/4" IN CONDUIT WITH 2 #12, 1 #10 NEUTRAL WIRE & 1 #12 GROUND WIRE
3/4" IN CONDUIT WITH 3 #12, 1 #10 NEUTRAL WIRE & 1 #12 GROUND WIRE
GROUND CONNECTION

CONDUIT HOMERUN TO PANELBOARD "P1A" WITH CIRCUITS 1,3,5

CEILING MOUNTED JUNCTION BOX

FLUSH WALL MOUNTED JUNCTION BOX

MOTOR RATED TOGGLE SWITCH WITH THERMAL OVERLOAD PROTECTION

DISCONNECT SWITCH-100A SWITCH, 60A FUSES. UNFUSED EXCEPT WHERE FUSE SIZE IS INDICATED, 3 POLE EXCEPT WHERE NOTED.

SURFACE MOUNTED PANELBOARD

FLUSH MOUNTED PANEL BOARD

TRANSFORMER

MOTOR

ENCLOSED CIRCUIT BREAKER

QUADRUPLEX CONVENIENCE RECEPTACLE, FLUSH WALL MOUNTED.

DUPLEX CONVENIENCE RECEPTACLE, FLUSH WALL MOUNTED "GFI" DENOTES WITH GROUND FAULT INTERRUPTER

SIMPLEX CONVENIENCE RECEPTACLE, FLUSH WALL MOUNTED

SPECIAL PURPOSE RECEPTACLE, FLUSH WALL MOUNTED. PROVIDE NEMA CONFIGURATION PER EQUIPMENT MANUFACTURER'S REQUIREMENT.

CEILING MOUNTED JUNCTION BOX

FLUSH WALL MOUNTED JUNCTION BOX

CONCEALED CONDUIT UON.

CONDUIT TURNING UP

CONDUIT TURNING DOWN

CAPPED CONDUIT

PER LIGHTING PLANS

3/4" IN CONDUIT WITH 2 #12 WIRES
3/4" IN CONDUIT WITH 3 #12 WIRES (UON)
3/4" IN CONDUIT WITH 4 #12 WIRES (UON)
3/4 IN CONDUIT WITH 5 #12 WIRES (UON)
3/4 IN CONDUIT WITH 6 #12 WIRES (UON)

SYMBOL TAG DESIGNATION

N = NEW
E = EXISTING
ER = EXISTING TO BE REMOVED OR RELOCATED
R = RELOCATED

ELECTRICAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2007 CALIFORNIA ELECTRICAL CODE, TITLE-24 - 2005 CALIFORNIA ENERGY EFFICIENCY STANDARDS AND CITY OF SANTA MONICA APPLICABLE CODES AND REGULATIONS.
- THE DRAWINGS INDICATE, IN A DIAGRAMMATIC MANNER, THE DESIRED LOCATIONS AND ARRANGEMENT OF THE COMPONENTS OF THE ELECTRICAL WORK. DETERMINE EXACT CONDUIT ROUTING, CONDUIT BENDS, AUXILIARY JUNCTION BOXES, SUPPORT AND UNDEFINED CONSTRUCTION DETAILS, AS A JOB CONDITION TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE PULL CORDS IN ALL EMPTY CONDUITS. WHERE MORE THAN ONE CONDUIT TERMINATES IN A JUNCTION BOX, THE CONTRACTOR SHALL IDENTIFY EACH JUNCTION BOX AND CONDUIT IN A MANNER ALLOWING IDENTIFICATION OF JUNCTION BOXES AND CONDUITS AFTER ALL WALL FINISHES HAVE BEEN APPLIED.
- MINIMUM SIZE OF CONDUITS SHALL BE 3/4", MINIMUM SIZE OF CONDUCTORS SHALL BE #12 AWG COPPER, UON.
- ALL CONDUCTORS SHALL BE COPPER TYPE THWN/THHN INSULATION.
- THE CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, SWITCHES, ETC. AND MAKE FINAL REQUIRED TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
- NO JUNCTION BOX SHALL BE INSTALLED ABOVE DRYWALL CEILING.
- ALL CONNECTIONS TO FANS, MOTORS, TRANSFORMERS, ETC. SHOULD BE MADE WITH LIQUID TIGHT FLEXIBLE CONDUIT.
- THE CONTRACTOR SHALL INTERCONNECT ALL FANS, AC UNITS, FOR UNIT SHUT-DOWN UPON A SIGNAL FROM THE LIFE SAFETY SYSTEM. VERIFY WITH LIFE SAFETY SYSTEM CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY THE ACTUAL MOTOR AND APPLIANCE RATING AND LOADS IN ORDER TO PROVIDE CORRECT -SIZED MOTOR-RELATED ELECTRICAL COMPONENTS. THE CONTRACTOR SHALL SUBMIT TO ARCHITECT AND ENGINEER WITH REVISED DATA, BEFORE INSTALLATION. ALL CHANGES SHALL BE SHOWN ON RECORD DRAWINGS.
- MAINTAIN CIRCUIT CONTINUITY TO THE AREAS NOT AFFECTED BY THE ALTERATION.
- CONTRACTOR SHALL PROVIDE AND INSTALL, COMPLETE OF ALL REQUIRED HARDWARE AND COMPONENTS, OCCUPANCY SENSORS. EACH SENSOR SHALL BE PROVIDED WITH A CONVENIENT SHUNT PROVISION WHICH WILL ENABLE A CUSTODIAN OR BUILDING ENGINEER TO BY-PASS THE SENSOR IN CASE OF FAILURE. THE MANUFACTURER'S REPRESENTATIVE SHALL REVIEW SENSOR LAYOUT LOCATION AND PROVIDE GUARANTEE OF OPERATION AT THESE LOCATIONS AND INSPECT INSTALLATIONS FOR CORRECT OPERATION.
- VERIFY EXACT LOCATION OF ALL ATU'S WITH MECHANICAL PLANS.
- WHERE MOTORS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING WITHIN REACH FROM ACCESS POINT WITH MIN. 3'-0" CLEARANCE.
- ALL REMOVED AND NOT REUSED ELECTRICAL EQUIPMENT IS TO BE TURNED OVER TO THE BUILDING.
- CONDUITS RUN IN THE CEILING SHALL RUN AS CLOSE AS POSSIBLE TO THE SLAB AND SHALL BE RUN PARALLEL TO THE PERIMETER WALLS.
- GROUND ALL LADDER RACKS WITH #6 GROUND WIRE.
- PROVIDE NEOPRENE MOUNTS ON ALL NEW TRANSFORMERS.
- DO NOT PLACE ELECTRICAL OUTLETS BACK TO BACK IN ACOUSTICALLY RATED PARTITIONS.
- UNLESS OTHERWISE SPECIFIED, ALL NEW ELECTRICAL EQUIPMENT SHALL BE SAME MANUFACTURER AS EXISTING.
- PROVIDE CIRCUIT BREAKERS IN EXISTING PANELS WHERE REQUIRED. FIELD VERIFY CIRCUIT AVAILABILITY.
- ALL CONDUITS IN EXPOSED AREAS AND/OR PARKING STRUCTURE SHALL BE EMT AND RUN AT 90 DEGREE ANGLES AND PARALLEL TO BUILDING STRUCTURE.
- ALL CONDUITS IN EXPOSED AREAS SHALL BE PAINTED. VERIFY WITH ARCHITECT ON EXACT REQUIREMENTS.

BOX SCHEDULES

TABLE 370-16(a). METAL BOXES

BOX DIMENSION, INCHES TRADE SIZE OR TYPE	MINIMUM CUBIC INCH CAPACITY	MAXIMUM NUMBER OF CONDUCTORS							
		No. 18	No. 16	No. 14	No. 12	No. 10	No. 8	No. 6	
4 X 1 1/4	ROUND OR OCTAGONAL	12.5	8	7	6	5	5	4	2
4 X 1 1/2	ROUND OR OCTAGONAL	15.5	10	8	7	6	6	5	3
4 X 2 1/8	ROUND OR OCTAGONAL	21.5	14	12	10	9	8	7	4
4 X 1 1/4	SQUARE	18.0	12	10	9	8	7	6	3
4 X 1 1/2	SQUARE	21.0	14	12	10	9	8	7	4
4 X 2 1/8	SQUARE	30.3	20	17	15	13	12	10	6
4 11/16 X 1 1/4	SQUARE	25.5	17	14	12	11	10	8	5
4 11/16 X 1 1/2	SQUARE	29.5	19	16	14	13	11	9	5
4 11/16 X 2 1/8	SQUARE	42.0	28	24	21	18	16	14	8
3 X 2 X 1 1/2	DEVICE	7.5	5	4	3	3	3	2	1
3 X 2 X 2	DEVICE	10.0	6	5	5	4	4	3	2
3 X 2 X 2 1/4	DEVICE	10.5	7	6	6	4	4	3	2
3 X 2 X 2 1/2	DEVICE	12.5	8	7	6	5	5	4	2
3 X 2 X 2 3/4	DEVICE	14.0	9	8	7	6	5	4	2
3 X 2 X 3 1/2	DEVICE	18.0	12	10	9	8	7	6	3
4 X 2 1/8 X 1 1/2	DEVICE	10.3	6	5	5	4	4	3	2
4 X 2 1/8 X 1 7/8	DEVICE	13.0	8	7	6	5	5	4	2
4 X 2 1/8 X 1 1/8	DEVICE	14.5	9	8	7	6	5	4	2
3 3/4 X 2 X 2 1/2	DEVICE	14.0	9	8	7	6	5	4	2
MASONRY BOX/GANG 3 3/4 X 2 X 3 1/2	DEVICE	21.0	14	12	10	9	8	7	4
MASONRY BOX/GANG FS-MINIMUM INTERNAL DEPTH 1 3/4 SINGLE COVER/GANG	DEVICE	13.5	9	7	6	6	5	4	2
FD-MINIMUM INTERNAL DEPTH 2 3/8 SINGLE COVER/GANG	DEVICE	18.0	12	10	9	8	7	6	3
FS-MINIMUM INTERNAL DEPTH 1 3/4 MULTIPLE COVER/GANG	DEVICE	18.0	12	10	9	8	7	6	3
FD-MINIMUM INTERNAL DEPTH 2 3/8 MULTIPLE COVER/GANG	DEVICE	24.0	16	13	12	10	9	8	4

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE CITY OF SANTA MONICA, TITLE 24 AND ALL OTHER GOVERNING CODES AND ORDINANCES.
- ALL SYMBOLS SHOWN ON THE SYMBOL LIST ARE NOT NECESSARILY USED IN THIS PROJECT.
- WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND THE PROJECT MANUAL OR BUILDING STANDARD SPECIFICATIONS, NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- THE WORK OF THIS PROJECT INVOLVES ALTERATION OF THE EXISTING BUILDING TO ACHIEVE THE ARRANGEMENT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL VISIT THE JOB SITE TO DETERMINE THE EXTENT OF WORK REQUIRED BY THE CONSTRUCTION ACTIVITIES. THE ARCHITECTURAL DRAWINGS SHOW THE CHANGES TO BE MADE. THE CONTRACTOR SHALL REVISE, REARRANGE, REROUTE OR REMOVE EXISTING WIRING AS REQUIRED TO ACCOMMODATE THE CHANGES AND ADDITION SHOWN AND TO PROVIDE CONTINUING ELECTRICAL SERVICE TO THOSE EXISTING PORTIONS OF THE PROJECT WHICH ARE TO REMAIN IN OPERATION. IN AREA WHERE NO ALTERATIONS ARE INDICATED, EXISTING FACILITIES SHALL BE RETAINED IN SERVICE. ONLY SELECTED PORTIONS OF THE EXISTING HAVE BEEN IDENTIFIED ON DRAWINGS.
- THESE DRAWINGS INDICATE THE FINISHED REQUIREMENTS FOR THE ELECTRICAL SYSTEMS, EQUIPMENT, LIGHTING FIXTURES, OUTLETS AND DEVICES. DUE TO STRUCTURAL CONDITIONS, MECHANICAL DUCT PIPING INTERFERENCE, OR FOR OTHER REASONS, THE CONTRACTOR MAY DESIRE TO INSTALL THE WORK IN A MANNER DIFFERENT FROM THAT SHOWN. SUCH CHANGES SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE PROCEEDING, AND THE RECORD DRAWINGS SHALL BE ACCURATELY REVISED TO SHOW THE CHANGES AS COMPLETED.
- DURING BID, THE CONTRACTOR MUST EXAMINE THE COMPLETE SET OF DRAWINGS FOR ALL TRADES, AS ISSUED BY THE ARCHITECT AND REVIEW DIMENSIONS SPACE REQUIREMENTS AND POINT OF CONNECTIONS TO ALL EQUIPMENT. MAKE ANY MINOR ADJUSTMENTS NECESSARY TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES.
- UNLESS INSTRUCTED OTHERWISE, THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, AND FEES REQUIRED FOR INSTALLATION OF THE MECHANICAL WORK. FURNISH FINAL CERTIFICATE OF INSPECTION OR WRITTEN EVIDENCE OF ACCEPTANCE BY INSPECTION AUTHORITIES FOR ALL WORK INSTALLED.
- SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF DEMOLITION AND NEW CONSTRUCTION, AND EXACT LOCATION OF FIXTURES, EQUIPMENT, DEVICES, ETC.
- CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO ENSURE AN UNDERSTANDING OF THE COMPLETE SCOPE OF PROJECT PRIOR TO START OF WORK.
- FOR ANY INSTALLATION, AC TYPE CABLE SHALL NOT BE ALLOWED FOR MAIN FEEDERS, HOME RUNS AND IN EXPOSED CONDITIONS, MC TYPE CABLE IS ACCEPTED. AC90 TYPE CABLE SHALL BE ALLOWED IN CONCEALED AREAS ONLY AND ONLY FROM DEVICE UP TO JUNCTION BOX IN ACCESSIBLE CEILING SPACE.
- CONTRACTOR SHALL COORDINATE BOTH HORIZONTAL AND VERTICAL ROUTING OF ALL RACEWAY AND CONDUITS SO AS TO AVOID CONFLICTS WITH OTHER SYSTEMS, FRAMES AND ARCHITECTURAL/STRUCTURAL BARRIERS. PROVIDE CONDUIT SLEEVES WHERE REQUIRED AS RECOMMENDED BY TELECOMMUNICATIONS CONTRACTOR.

SHEET INDEX

SHEET NO	DESCRIPTION	SCALE
E0.1	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX	NONE
E0.2	TITLE 24 COMPLIANCE	NONE
E0.2A	OUTDOOR TITLE 24 COMPLIANCE	NONE
E0.3	LIGHTING FIXTURE SCHEDULE	NONE
E0.4	SINGLE LINE DIAGRAM	NONE
E0.5	PANEL SCHEDULES	NONE
E0.6	PANEL SCHEDULES	NONE
E1.1	SITE PLAN	1/8"=1'-0"
E2.0	FIRST FLOOR PLAN - POWER AND SIGNAL	1/4"=1'-0"
E2.1	FIRST FLOOR PLAN - LIGHTING	1/4"=1'-0"
E2.1A	STUDIO/NEWSROOM LIGHTING PLAN	1/4"=1'-0"
E3.0	SECOND FLOOR PLAN - POWER AND SIGNAL	1/4"=1'-0"
E3.1	SECOND FLOOR PLAN - LIGHTING	1/4"=1'-0"
E4.0	ROOF PLAN - ELECTRICAL	1/4"=1'-0"

FIRE ALARM AND LIFE SAFETY NOTES

- ALL FIRE ALARM LIFE SAFETY WORK MUST BE PERFORMED BY BUILDING APPROVED CONTRACTOR.
- CONTRACTOR SHALL PROVIDE AND SUBMIT FIRE ALARM SAFETY CONSTRUCTION DOCUMENTS FOR ALL AGENCY PLAN CHECK REQUIREMENTS. APPROVAL SHALL BE OBTAINED PRIOR TO THE INSTALLATION OF THE SYSTEM. INTERCONNECTING WIRING AND CONDUIT SIZES ARE NOT INDICATED. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING RACEWAY, WIRING PLANS, VOLTAGE DROP CALCULATION, DEVICE SPECIFICATION INCLUDING CSFM NUMBER, AND COMPLETE ONE LINE DIAGRAM OF THE SYSTEM.
- CONTRACTOR SHALL PROVIDE AS PART OF FIRE ALARM SYSTEM:
 - a. CONSTRUCTION DOCUMENT AND SHOP DRAWINGS.
 - c. SUBMIT AND SECURE FIRE MARSHAL APPROVAL.
 - e. COORDINATE WITH ARCHITECT FOR ALL WALL/CEILING MOUNTED DEVICES.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE AND APPLICABLE "NFPA" STANDARDS.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE ENFORCING AGENCY.
- COORDINATE THE LOCATION OF ALL DEVICES WITH ARCHITECT.
- NO DOOR HARDWARE THAT REQUIRES SPECIAL KNOWLEDGE SHALL BE USED UNLESS APPROVED BY BUILDING OFFICIAL AND FIRE DEPARTMENT. ALL DOORS WITH CARD READER SHALL BE FAIL SAFE AND UNLOCKED UPON ACTIVATION OF FA SYSTEM.
- APPROVED FIRE/LIFE/SAFETY VENDOR.

FIRE ALARM SYSTEM SHALL BE SUBMITTED UNDER A SEPARATE PERMIT

ABBREVIATIONS

- A -		- H -		- R -	
A AMPERE	HC HUNG CEILING	R RELOCATED			
AFF ABOVE FINISHED FLOOR	HP HORSEPOWER	RECEPT			
ARF ABOVE RAISED FLOOR	- I -	REQ			
	INCAND INCANDESCENT	RM			
- B -	INST INSTRUMENT				
BG BREAK GLASS SWITCH	IG ISOLATED GROUND				
BLDG BUILDING					
BKBD BACKBOARD	- J -	SCHED			
	JB JUNCTION BOX	SECT			
- C -	- K -	SN			
C CONDUIT	KV KILOVOLT	SPEC			
CABS CABINETS	KVA KILOVOLT AMPERE	SW			
CAT CATALOG	KW KILOWATT	SWBD			
CB CIRCUIT BREAKER	KWH KILOWATT HOUR	SYS			
CKT CIRCUIT	KWHM KILOWATT HOUR METER				
CLG CEILING	- L -	TEL			
CO CONDUIT ONLY	LTG LIGHTING	TELEPHONE			
COMM COMMUNICATION	- M -	XFMR,			
	MAX MAXIMUM	TRANSF			
- D -	MTD MOUNTED	TYP			
DISC DISCONNECT	MTG MOUNTING				
DN DOWN	- N -				
DWG DRAWING	NC NEUTRAL				
	NC NORMALLY CLOSED				
- E -	NIC NOT IN CONTRACT				
EA EACH	NO NORMALLY OPEN				
ELEC ELECTRICAL	NTS NOT TO SCALE				
EMER EMERGENCY	(N) NEW ELECTRICAL				
EQUIP EQUIPMENT	- P -				
E, EXIST,	PB PULLBOX				
EX, (E) EXISTING TO REMAIN	P POLE				
	PHASE				
- F -	PNL PANEL				
FBO FURNISHED BY OTHER	PWR POWER				
DIVISION OF WORK					
FCU FAN COIL UNIT					
FIXT FIXTURE					
FL FLOOR					
FLEX FLEXIBLE					
FLUOR FLUORESCENT					
FT FEET OR FOOT					
- G -					
GND GROUND					
GFI GROUND FAULT INTERRUPTER					

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studio **bauton**
AUDIOVISUAL FACILITIES



15260 Ventura Blvd. Suite 1520,
Sherman Oaks, CA 91403
tel: 818.508.6300 fax: 818.508.7050
www.arceng.net

NO.	DESCRIPTION	BY	DATE	NO.	DESCRIPTION	BY	DATE
1	30% CD	BG	04.27.09	7	ISSUE FOR CONSTRUCTION		08.30.10
2	OWNER REVIEW		05.28.09				
3	PERMIT ISSUE		06.04.09	8	DELTA 8		04.01.11
4	PC-RESUBMIT		08.31.09	9	FOR CONSTRUCTION		04.25.11
5	PC-COMMENTS		10.07.09				
6	PC-RESUBMIT		05.28.10	10	DELTA 9		05.27.11
				11	DELTA 10		06.06.11

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

SANTA MONICA CITY TV
1654 19TH STREET, SANTA MONICA, CA 90404

PROJECT

GENERAL NOTES, ABBREVIATIONS
AND SHEET INDEX

DRAWING

		12-805
	DATE	PROJECT NO.
	DRAWN	
	REVIEWED	
	NONE	
STAMP	SCALE	DRAWING NO.

E0.1

TITLE 24-CERTIFICATE OF COMPLIANCE

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15260 Ventura Blvd, Suite 1520,
Sherman Oaks, CA 91403
tel: 818.508.6300 fax: 818.508.7050
www.arceng.net

INTERIOR LIGHTING SCHEDULE (Part 1 of 2) LTQ-2-C

PROJECT NAME: SANTA MONICA CITY TV DATE: --

Luminaire		Lamps/Ballasts					Installed Watts		
A	B	C	D	E	F	G	H	I	J
Name	Type Description	Watts	Quantity	Notes	Notes	Watts	Notes	Notes	Notes
F1	LINEAR STRIP LIGHT	HOTS	1	39	1	39	✓	1	39
F2	RECESSED CFL DOWNLIGHT	TTT	1	26	1	26	✓	6	156
F3	RECESSED CFL DOWNLIGHT	TTT	1	26	1	26	✓	44	1144
F3a	EXISTING RECESSED CFL DOWNLIGHT	TTT	1	26	1	26	✓	12	312
F4	RECESSED IC PAR 20 DOWNLIGHT	PAR 20	1	50	1	50	✓	16	800
F5	SURFACE MOUNT PARABOLIC	TB	4	68	1	75	✓	12	900
F6	LINEAR 4' STRIP LIGHT	TB	1	32	1	32	✓	3	96
F7	LINEAR 8' STRIP LIGHT	TB	2	32	1	64	✓	1	64
F7a	EXISTING LINEAR 8' STRIP LIGHT	TB	2	32	1	64	✓	11	704

2005 Nonresidential Compliance Forms March 2005

CERTIFICATE OF COMPLIANCE (Part 2 of 4) LTG-1-C

PROJECT NAME: SANTA MONICA CITY TV DATE: --

INSTALLED INTERIOR LIGHTING POWER FOR CONDITIONED AND UNCONDITIONED SPACES

INSTALLED LIGHTING, CONDITIONED SPACES (From LTG-2-C) 4,163
 PORTABLE LIGHTING (From LTG-3-C) --
 LIGHTING CONTROL CREDIT, UNCONDITIONED SPACES (From LTG-4-C) --
 UNCONDITIONED SPACE ADJUSTED INSTALLED LIGHTING POWER 4,163

ALLOWED INTERIOR LIGHTING POWER FOR UNCONDITIONED SPACES (From LTG-5-C) 6,583

2005 Nonresidential Compliance Forms March 2005

CERTIFICATE OF COMPLIANCE (Part 1 of 4) LTG-1-C

PROJECT NAME: SANTA MONICA CITY TV DATE: --

PROJECT ADDRESS: 1542 15TH STREET, SANTA MONICA, CA 90404

PRINCIPAL DESIGNER - LIGHTING: ARC ENGINEERING TELEPHONE: 818.508.6300
 DOCUMENTATION AUTHOR: BG TELEPHONE: 818.508.6300

GENERAL INFORMATION

DATE OF PLANS: -- BUILDING CONDITIONED FLOOR AREA: 6,790 SQ FEET CLIMATE ZONE: --
 BUILDING TYPE: NONRESIDENTIAL HIGH RISE RESIDENTIAL HOTEL/MOTEL GUEST
 CONDITIONED SPACES UNCONDITIONED SPACES INDOOR/OUTDOOR SIGNS
 PHASE OF CONSTRUCTION: NEW ADDITION ALTERATION

METHOD OF COMPLIANCE: PERFORMANCE COMPLETE BUILDING AREA CATEGORY TAILORED COMMON LIGHTING

STATEMENT OF COMPLIANCE

The Certificate of Compliance lists the building features and performance specifications need to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements. The documentation preparer hereby certifies that the documentation is accurate and complete.

DATE: 03-16-07

2005 Nonresidential Compliance Forms March 2005

CERTIFICATE OF COMPLIANCE (Part 4 of 4) LTG-1-C

PROJECT NAME: SANTA MONICA CITY TV DATE: --

Designer: [Signature]

Building Departments: [List of departments]

2005 Nonresidential Compliance Forms March 2005

INTERIOR LIGHTING POWER ALLOWANCE LTG-5-C

PROJECT NAME: SANTA MONICA CITY TV DATE: --

ALLOWED LIGHTING POWER (Choose One Method)

BUILDING CATEGORY (From S 146 Table 146-B)	WATTS PER (ft ²)	COMPLETE BLDG. AREA	ALLOWED WATTS
AREA BUILDING METHOD - UNCONDITIONED SPACES			
AREA CATEGORY (From S ₁₄₆ TABLE 146-C)			
ELECTRICAL ROOM/MACHINE ROOM	0.7	1204	843
PRECISION	1.3	3261	4240
SUPPORT/CORRIDOR/REST ROOMS	0.6	2117	1270
RECEPTION	1.1	106	117
PANTRY	1.1	102	113
TOTALS		6,790	6,583

2005 Nonresidential Compliance Forms March 2005

LIGHTING NOTES:

- FIXTURES SHALL BE UL LISTED OR LABELED AND INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATION AND MOUNTING DETAIL. CONTRACTOR SHALL VERIFY AND COORDINATE WITH ARCHITECT AND LIGHTING DESIGNER. FIXTURE MOUNTING DETAILS BASED ON FINAL SPECIFIED CEILING SYSTEM AND FIELD CONDITIONS. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING DIMENSIONS AND/OR DETAILS.
- ALL FLUORESCENT FIXTURES SHALL BE PROVIDED WITH ELECTRONIC BALLAST.
- VERIFY ALL SPECIFIED FINISHES WITH ARCHITECT PRIOR TO ORDERING.
- FIXTURES ARE TO BE MOUNTED WITH LAMPS ORIENTED AS INDICATED ON DRAWINGS.
- FLUORESCENT FIXTURES USED FOR EMERGENCY EGRESS, SHOWN ON LIGHTING PLANS WITH SHADED CIRCLE OR DENOTED WITH "EM" SHALL BE PROVIDED WITH EMERGENCY BALLAST.
- ALL LOW VOLTAGE LIGHTING FIXTURE SHALL BE PROVIDED WITH TRANSFORMER OF CORRECT SIZE AND RATING TO ACCOMMODATE ACTUAL LOAD. PROVIDE SECONDARY OVERCURRENT PROTECTION AND IF REMOTE TRANSFORMER, LOCATE IN NEAREST ACCESSIBLE CEILING.

NO.	DESCRIPTION	BY	DATE	NO.	DESCRIPTION	BY	DATE
1	30% CD	BG	04.27.09	7	ISSUE FOR CONSTRUCTION		08.30.10
2	OWNER REVIEW		05.28.09				
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				11	DELTA 10		06.06.11

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

SANTA MONICA CITY TV
1654 19TH STREET, SANTA MONICA, CA 90404

PROJECT: TITLE 24 COMPLIANCE

DRAWING: 12-805

DATE: PROJECT NO.

DRAWN: -

REVIEWED: -

NONE

SCALE: DRAWING NO.

E0.2

CERTIFICATE OF COMPLIANCE (Part 1 of 2) OLTG-1-C

PROJECT NAME: SANTA MONICA CITY TV DATE: 09/02/2009
 PROJECT ADDRESS: 1654 19TH ST. SANTA MONICA CA. 90404
 PRINCIPAL DESIGNER-LIGHTING: ARC ENGINEERING TELEPHONE: 818.508.6300 Building Permit #
 DOCUMENTATION AUTHOR: ARC ENGINEERING TELEPHONE: 818.508.6300 Checked by/Date Enforcement Agency Use

GENERAL INFORMATION
 DATE OF PLANS: OUTDOOR LIGHTING ZONE (One) LZ1 LZ2 LZ3 LZ4
 FUNCTION TYPE: OUTDOOR LIGHTING ZONE OUTDOOR SIGNS INDOOR SIGNS
 PHASE OF CONSTRUCTION: NEW CONSTRUCTION ADDITIONS ALTERATIONS

STATEMENT OF COMPLIANCE
 This certificate of Compliance lists outdoor lighting system specifications need to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This applies only to building lighting requirements.
 This documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR: SIGNATURE: DATE:

The Principal Lighting Designer hereby certifies that the proposed outdoor lighting and signs design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with the permit application. The proposed building has been designed to meet the lighting requirements contained in the applicable parts of Sections 110, 119, 130 through 132, 146 and 149 of Title 24, Part 6. Please note:

- I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.
- I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
- I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

(These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)
 PRINCIPAL LIGHTING DESIGNER-NAME: SIGNATURE: DATE: LIC.#:

INSTRUCTIONS TO APPLICANT OUTDOOR LIGHTING COMPLIANCE & WORKSHEETS (included)

Manual published by the California Energy Commission

OLTG-1-C Certificate of Compliance. Required on plans for all submittals for outdoor lighting. Part 2 of 2 may be incorporated in schedules on the plans.
 Either LTG-1 or OLTG-1 may be used for signs as follows:
 1. Use LTG-1 if the project consists solely of indoor signs
 2. Use LTG-1C if the project consists of indoor lighting, and outdoor or indoor signs, but no other outdoor lighting.
 3. Use OLTG-1-C if the project consists solely of outdoor signs
 4. Use OLTG-1-C if the project consists of outdoor lighting, and indoor or outdoor signs, but no other indoor lighting.

OLTG-2-C LIGHTING COMPLIANCE SUMMARY. Applicable Parts required for ALL outdoor lighting allowances

OLTG-3-C AREA CALCULATIONS WORKSHEETS. Applicable Parts required for all outdoor area calculations.

OLTG-4-C SIGN LIGHTING COMPLIANCE. Required for all internally and externally illuminated signs, for both interior and outdoor

CERTIFICATE OF COMPLIANCE (Part 2 of 2) OLTG-1-C

PROJECT NAME: SANTA MONICA CITY TV

Lighting Schedules on Plans Show that Outdoor Lighting Meets Allowed Lighting Power

Lighting power allowances for general site illumination on OLTG-2-C Part 1 of 4
 Not Applicable
 Lighting power allowances for local ordinances or for security multipliers on OLTG-2-C Part 2 of 4
 Not Applicable
 Lighting power allowances for specific applications, other than vehicle service stations with canopies on OLTG-2-C Part 3 of 4
 Not Applicable
 Lighting power allowances for vehicle service station canopies on OLTG-2-C Part 4 of 4
 Not Applicable
 Sign lighting compliance on OLTG-4-C
 Not Applicable

Mandatory Measures on Plans Show that Outdoor Lighting Meets Outdoor Lighting Controls and Equipment
 Indicate location on plans of Note Block for Mandatory Measure

- Installed lighting power has been determined in accordance with 130(c)1
 Not Applicable
- All permanently installed luminaires with lamps rated over 100 watts either have a lamp efficacy of at least 60 lumens per watt or controlled by motion sensor 132(a)
 Not Applicable
- All luminaires with lamps rated greater than 175 watts in hardscape areas, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Cutoff Requirements of 132(b)
 Not Applicable
- All permanently installed outdoor lighting meets the Control Requirements of 132(c)1
 Not Applicable
- Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requirements of 132(c)2
 Not Applicable

MANDATORY AUTOMATIC CONTROLS

CONTROL LOCATION	CONTROL IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc.	AREA CONTROLLED	NOTE TO FIELD
BACK PARKING	PC	TIME CLOCK WITH PHOTOCELL	BACK PARKING	

LIGHTING COMPLIANCE SUMMARY (Part 1 of 4) OLTG-2-C

PROJECT NAME: SANTA MONICA CITY TV DATE: 09/02/2009

LIGHTING POWER ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A)

A	Allotted Watts			E	Luminaire Description	G	Lamps/Ballasts			Installed Watts				
	B	C	D				H	I	J	K	L	M	N	O
Lighting Applications Category (Table 147-A)	Area (ft ²) or Length (ft)	Allotted LPD W/ft ² or W/ft	Allotted Watts (B x C)	Code for Luminaire Type	Description	Cutoff Designation	Lamp Type	Number of Lamps per Luminaire	Watts per Lamp	Number of Ballasts per Luminaire	Number of Luminaire	Watts per Luminaire	Number of Luminaire (L x N)	Installed Watts
PARKING LOT	250 SF	0.15	37.5	N	WALL MTD.	✓	CF	1	32	1	32	✓	1	32
Total Allotted Watts			37.5	Total Installed Watts			32							

ILLUMINATED AREA CALCULATION WORKSHEET (Part 1 of 5) OLTG-3-C

PROJECT NAME: SANTA MONICA CITY TV DATE: 09/02/2009

Hardscape - Method (i)

A. Hardscape for automotive vehicular use, including parking lots, driveways and site roads

A	B	C	D	E	F	G	H	
List Specific Application (Table 147-A)	Actual Paved Area plus 5' perimeter of adjacent unpaved land. Includes planters and landscaped areas less than 10' wide that are enclosed by hardscape on at least 3 sides	Areas (ft ²) to Subtract from within Illuminated Area	Areas between poles or luminaires that are greater than 6 mounting height distance (If Applicable)	Overlapping Areas of Another Application or Luminaire	Building Areas	Areas Obstructed By Sign or Other Structure	Sub Total of areas to Subtract (C + D + E + F)	Illuminated Area (B - G)
PARKING LOT	?	-	-	-	-	-	?	

B. Hardscape for pedestrian use, including plazas, sidewalks, walkways and bikeways

A	B	C	D	E	F	G	H	
List Specific Application (Table 147-A)	Actual Paved Area plus 5' of unpaved land on either side of path of travel. Shall include all contiguous paved area before including adjacent grounds	Areas (ft ²) to Subtract from within Illuminated Area	Areas between poles or luminaires that are greater than 6 mounting height distance (If Applicable)	Overlapping Areas of Another Application or Luminaire	Building Areas	Areas Obstructed By Sign or Other Structure	Sub Total of areas to Subtract (C + D + E + F)	Illuminated Area (B - G)

Checklist

- § 147(c)1 B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with the actual use of the areas.
- § 147(c)1 A - General illumination areas includes only those illuminated areas that are in the bounds of the Application and are within a square pattern around a luminaire that is six times the luminaire mounting height, with the luminaire in the middle of the pattern, less any areas that are within buildings, under canopies, beyond property lines, or obstructed by a sign or other structures.

LIGHTING COMPLIANCE SUMMARY (Part 3 of 4) OLTG-2-C

PROJECT NAME: SANTA MONICA CITY TV DATE: 09/02/2009

Lighting Power Allowances for Specific Applications (TABLE 147-B) - Other Than Vehicle Service Station without Canopies

A	Allotted Watts			E	Luminaire Description	Lamps/Ballasts			Design Watts			P					
	B	C	D			H	I	J	K	L	M		N	O			
Lighting Applications Category (Table 147-B)	Area (ft ²) or Length (ft)	Allotted LPD W/ft ² or W/ft	Allotted Watts (B x C)	Code for Luminaire Type	Description	Cutoff Designation	Lamp Type	Number of Lamps per Luminaire	Watts per Lamp	Number of Ballasts per Luminaire	Number of Luminaire	Watts per Luminaire	If CEC Default	Number of Luminaire (L x N)	Design Watts (L x N)	Minimum of	Allowed Watts
NON-SALES CANOPY	200 SF	0.50	100	F	CANOPY STRIP LIGHT	NA	T5	1	28	1	28	✓	2	56	100		100

ILLUMINATED AREA CALCULATION WORKSHEET (Part 4 of 5) OLTG-3-C

PROJECT NAME: SANTA MONICA CITY TV DATE: 09/02/2009

Ornamental Lighting, Canopies, Vehicle Service Station Hardscape, and Outdoor Dining

A	B	C	D	E	F	G	
Lighting Application (Table 147-B)	Gross Illuminated Area of Application (ft ²)	Areas (ft ²) to Subtract from within Illuminated Area	Areas between poles or luminaires that are greater than 6 mounting height distance (If Applicable)	Overlapping Areas of Another Application or Luminaire	Areas Obstructed By Sign or Other Structure	Sub Total of areas to Subtract (C + D + E)	Illuminated Area (B - F)
NON-SALES CANOPY	-	-	-	-	-	-	?

Checklist

- § 147(c) 1 B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with the actual use of the areas.
- § 147(c) 2 C - The area of ornamental lighting includes no more than the total area of the site external to buildings. Luminaire used for ornamental lighting employ lamps rated 100 watts or less, and are not used to determine LPD for general illumination.
- § 147(c) 2 D - Measured in plan view, the areas of illuminated canopies include the horizontal projection of the canopies.
- § 147(c) 2 F - The area of vehicle service station hardscape includes only illuminated hardscape areas beyond the horizontal projection of the canopy in plan view.
- § 147(c) 2 I - The area of outdoor dining area includes only illuminated hardscape areas used to serve and consume food beverages.

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15260 Ventura Blvd, Suite 1520, Sherman Oaks, CA 91403
 tel: 818.508.6300 fax: 818.508.7050
 www.arceng.net

NO.	DESCRIPTION	BY	DATE	NO.	DESCRIPTION	BY	DATE
1	30% CD	BG	04.27.09	7	ISSUE FOR CONSTRUCTION		08.30.10
2	OWNER REVIEW		05.28.09				
3	PERMIT ISSUE		06.04.09	8	DELTA 8		04.01.11
4	PC-RESUBMIT		08.31.09	9	FOR CONSTRUCTION		04.25.11
5	PC-COMMENTS		10.07.09				
6	PC-RESUBMIT		05.28.10	10	DELTA 9		05.27.11
				11	DELTA 10		06.06.11

KEYPLAN

nonzero\architecture
 PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
 SANTA MONICA CALIFORNIA 90404
 310 453 8000 telephone
 310 453 8001 fax
 info@bauton.com

www.nonzeroarch.com
 www.bauton.com

SANTA MONICA CITY TV
 1654 19TH STREET, SANTA MONICA, CA 90404

PROJECT: **OUTDOOR TITLE 24 COMPLIANCE**

DRAWING: **12-805**

DATE: PROJECT NO.

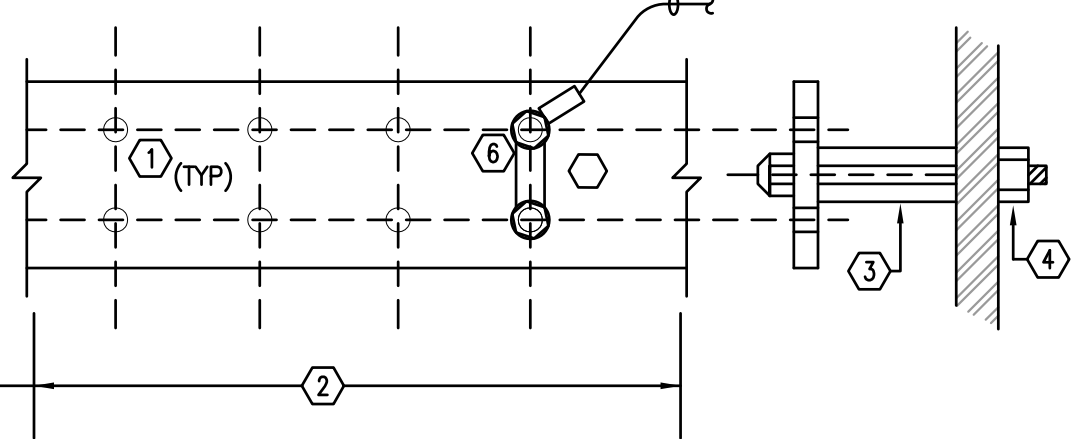
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REVIEWED: NONE

SCALE: DRAWING NO.

NOTES:

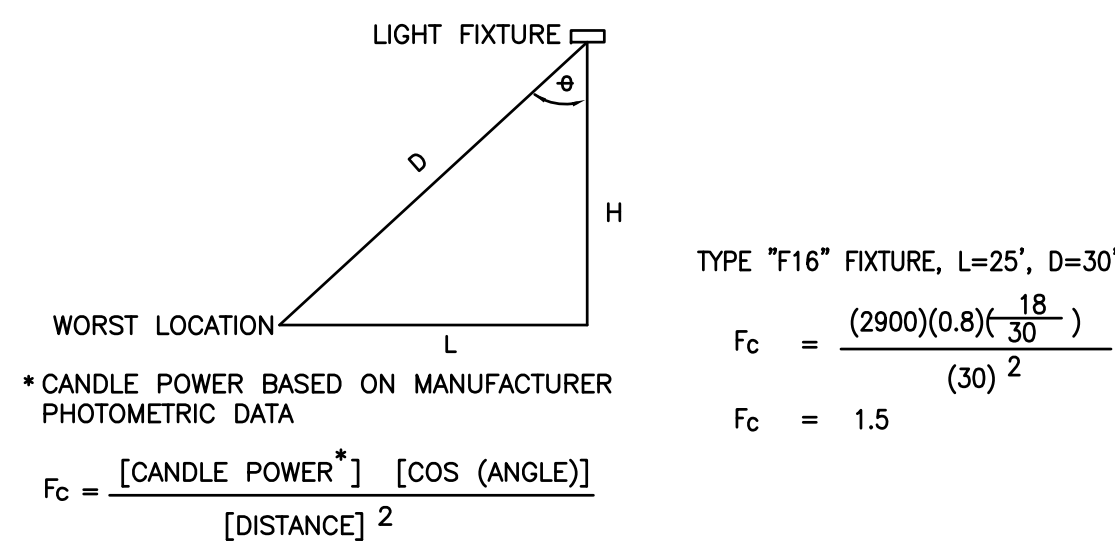
- ① DRILLED HOLE 7/16" DIAMETER
- ② BAR LENGTH AS REQUIRED, 1/4" THICK COPPER.
- ③ FASTENER, 3"-0" ON CENTERS, (MINUM 2)
- ④ TO MAIN GROUND BUS BAR
- ⑤ GROUNDING CABLE
- ⑥ 3/8" NUT, BOLT, LOCKWASHER AND CABLE TERMINAL ASSEMBLY



GROUND BAR DETAIL

SCALE: NONE

4



WORST LOCATION

* CANDLE POWER BASED ON MANUFACTURER PHOTOMETRIC DATA

$$F_c = \frac{[CANDLE POWER^*] \cdot [\cos(\theta)]}{[DISTANCE]^2}$$

TYPE "F16" FIXTURE, L=25', D=30'

$$F_c = \frac{(2900)(0.8)(\frac{18}{30})}{(30)^2}$$

$$F_c = 1.5$$

WORST CASE EMERGENCY FOOTCANDLE CALCULATION

SCALE: NONE

3

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMPS		VOLTAGE	REMARKS	
			QTY	TYPE			
F1	PENDANT LINEAR LIGHT FIXTURE. PROVIDE WITH ELECTRONIC DIMMING BALLAST.	DELRAY LIGHTING: SW43139.313	1	TO T5	39	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F2	5" APERTURE, RECESSED CFL DOWNLIGHT. PROVIDE WITH ELECTRONIC DIMMING BALLAST.	LIGHTOLIER: 1001FDICMX1	1	TRIPLE TUBE	26	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F3	5" APERTURE, RECESSED CFL DOWNLIGHT.	LIGHTOLIER: 1001F26ICU	1	TRIPLE TUBE	26	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F3a (E)	EXISTING 5" APERTURE, RECESSED CFL DOWNLIGHT.	EXISTING	1	TRIPLE TUBE	26	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F4	4" APERTURE RECESSED IC PAR 20 DOWNLIGHT.	EDISON PRICE LIGHTING: EPIC 6-420-20/4	1	PAR 20	50	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F5	SURFACED MOUNT PARABOLIC, 2X2, 3" LOUVER. PROVIDE WITH ELECTRONIC STANDARD BALLAST.	WILLIAMS FLUORESCENT LIGHTING: SUS-22-417-33S-OPTIONS-EB4-120	4	T8	68	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F6	FLUORESCENT 4', T8 OPEN STRIP LIGHT WITH ELECTRONIC BALLAST.	LITHONIA EJS/1T8/32	1	T8	32W	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F7	FLUORESCENT 4', T8 OPEN STRIP LIGHT WITH ELECTRONIC BALLAST.	LITHONIA EJS/2T8/32	2	T8	64W	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F7a (E)	FLUORESCENT 4', T8 OPEN STRIP LIGHT WITH ELECTRONIC BALLAST.	LITHONIA EJS/2T8/32	2	T8	64W	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
F	4' LIGHTING STRIP FOR WET LOCATIONS.	ENCAPSULITE WGP514	1	T5	28W	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
N	WALL MOUNTED SENSOR LIGHT.	PHILLIP DAY BRITE VSH-32-C-DT-BK-PE	1	CFL	32W	120	VERIFY EXACT FIXTURE TYPE, ACCESSORIES, AND MANUFACTURER, WITH ARCHITECT, PRIOR TO INSTALLATION.
	NEW EXIT SIGNS.	LITHONIA PRECISE #CRP-EDGE LIT LED GREEN LETTERS			1.5	120	(NEW EXIT SIGNS)

LIGHTING GENERAL NOTES

- THE LIGHTING PLAN IS NOT INTENDED TO REPRESENT A COMPLETE SET OF ELECTRICAL DRAWINGS EXCEPT WHERE INDICATED OTHERWISE. THE LOCATION AND SELECTION OF ANY ELECTRICAL REQUIREMENTS NOT DIRECTLY RELATED TO LIGHTING SHALL BE BY OTHERS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATION AND MOUNTING DETAIL. CONTRACTOR SHALL VERIFY AND COORDINATE WITH ARCHITECT FIXTURE MOUNTING DETAILS ON FINAL SPECIFIED CEILING SYSTEM AND FIELD CONDITIONS. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING DIMENSIONS AND/OR DETAILS.
- REMOTE TRANSFORMER FOR LOW VOLTAGE LIGHTING FIXTURES SHALL BE LOCATED IN NEAREST ACCESSIBLE SPACE. DISTANCE FROM TRANSFORMER TO FIXTURE SHALL BE MINIMIZED TO COMPLY WITH MAXIMUM ALLOWED PER MANUFACTURER'S RECOMMENDATION PROVIDE SECONDARY FUSING AS REQUIRED. COORDINATE EXACT LOCATION OF REMOTE TRANSFORMER WITH ARCHITECT PRIOR TO INSTALLATION.
- WHERE FIXTURES REQUIRE REMOTE TRANSFORMERS OR BALLASTS, THE CONTRACTOR SHALL DETERMINE LOCATIONS AS REQUIRED FOR EVEN LOAD DISTRIBUTION, SERVICE ACCESS AND VENTILATION.
- UNLESS OTHERWISE NOTED, PROVIDE LUTRON HI-LUME DIMMING BALLAST TO ALL FLUORESCENT FIXTURES SHOWN ON LIGHTING PLAN AS BEING CONTROLLED BY DIMMER ON LIGHTING PLAN. PROVIDE REMOTE BALLAST WHERE REQUIRED. COORDINATE REMOTE LOCATION WITH ARCHITECT.
- WHERE APPLICABLE, DIMMED FLUORESCENT LAMPS REQUIRE A BURN-IN PERIOD OF 100 HOURS AT FULL BRIGHTNESS PRIOR TO INITIAL DIMMING.
- LIGHT FIXTURES USED FOR EMERGENCY EGRESS, SHOWN ON LIGHTING PLANS DENOTED WITH "EM" SHALL BE PROVIDED WITH DUAL CIRCUIT HARDWARE AS REQUIRED. PROVIDE EMERGENCY BALLAST AS REQUIRED.
- ALL NEW FLUORESCENT FIXTURES TO BE FURNISHED WITH ELECTRONIC, HIGH POWER FACTOR BALLAST WHERE APPLICABLE.
- VERIFY ALL LIGHTING FIXTURE FINISHES WITH ARCHITECT PRIOR TO ORDERING.
- THE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR PAINTING EXPOSED PORTIONS OF FLANGES/TRIMS ON ALL RECESSED FIXTURES TO MATCH THE ADJACENT SURFACE. LAMPS, REFLECTORS AND LENSES MUST BE REMOVED BEFORE PAINTING.
- THE CONTRACTOR SHALL VERIFY VOLTAGES FOR ALL FIXTURES PRIOR TO ORDERING.
- ALL PENDANT FIXTURES SHALL BE PROVIDED WITH SUFFICIENT STEM OR SUSPENSION CABLE LENGTH PRIOR TO INSTALLATION. VERIFY LENGTHS WITH ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HARDWARE, ELECTRICAL CABLE, TIMERS, TRANSFORMERS, ETC., AS REQUIRED FOR COMPLETION OF INSTALLATION. WHERE LOW VOLTAGE FIXTURES ARE NOT EQUIPPED WITH STEP DOWN TRANSFORMER, PROVIDE TRANSFORMER OF REQUIRED SIZE AND RATING TO ACCOMMODATE CONNECTED LIGHTING LOAD.
- ANY FIXTURE SUBSTITUTION MUST BE APPROVED BY THE ARCHITECT AND/OR LIGHTING DESIGNER PRIOR TO BID. CONTRACTOR MUST BE PREPARED TO SUPPLY A SAMPLE AND/OR PHOTOMETRIC DATA IF REQUIRED. IF SUBSTITUTION IS REJECTED, CONTRACTOR MUST BE PREPARED TO PROVIDE SPECIFIED PRODUCT WITHOUT DELAY.
- THE CONTRACTOR SHALL VERIFY VERTICAL AND HORIZONTAL CLEARANCES, CORRECT CEILING TRIM AND AIR HANDLING REQUIREMENTS (IF ANY) FOR ALL FIXTURES PRIOR TO ORDERING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EQUIPPING ALL FIXTURES WITH THE EXACT LAMPS SPECIFIED IN THE FIXTURE SCHEDULE.
- FIXTURES SHALL BE UL LISTED OR LABELED AND INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- THE CONTRACTOR SHALL INSTALL ALL FIXTURES ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE CODES.
- WHERE APPLICABLE, THE CONTRACTOR SHALL AIM AND ADJUST LIGHTING FIXTURES AS DIRECTED BY THE ARCHITECT UPON COMPLETION OF THE INSTALLATION. LIGHTING FIXTURES AS DIRECTED BY THE ARCHITECT UPON COMPLETION OF THE INSTALLATION.
- PROVIDE A JUNCTION BOX AT EACH EXIT SIGN LOCATION WHERE FEED-THRU WIRING CONNECTION IS SHOWN PER LIGHTING PLAN.
- CONTRACTOR TO VERIFY MOUNTING REQUIREMENTS WITH ARCHITECT.

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15260 Ventura Blvd, Suite 1520,
Sherman Oaks, CA 91403
tel: 818.508.6300 fax: 818.508.7050
www.arceng.net

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4	PC-RESUBMIT		08.31.09	9	FOR CONSTRUCTION		04.25.11
5	PC-COMMENTS		10.07.09				
6	PC-RESUBMIT		05.28.10	10	DELTA 9		05.27.11
				11	DELTA 10		06.06.11

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

SANTA MONICA CITY TV
1654 19TH STREET, SANTA MONICA, CA 90404

PROJECT

LIGHTING FIXTURE SCHEDULE

DRAWING

DATE PROJECT NO. 12-805

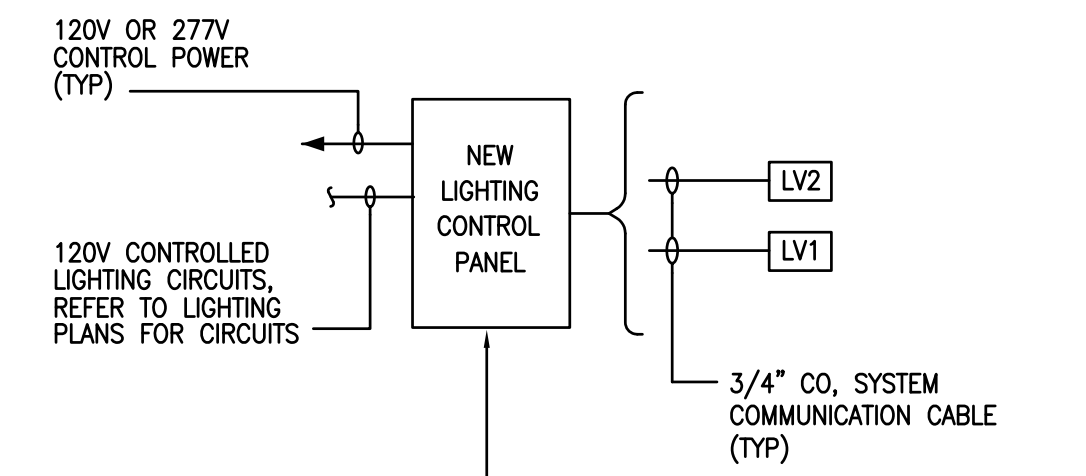
DRAWN

REVIEWED

NONE

SCALE DRAWING NO. E0.3

STAMP



SYSTEM COMPONENTS

- LIGHTING CONTROL PANEL (LCP) EQUAL TO LIGHTING CONTROL & DESIGN
 - REMOTE OVERRIDE SWITCH: EQUAL TO LIGHTING CONTROL & DESIGN
- LIGHTING CONTROL PANEL LC & D GR #2400 SERIES THE BLUE BOX (8 RELAY) WITH 365 DAY ASTRONOMICAL TIMECLOCK AND PHOTCELL

GENERAL NOTES

- EXCEPT EMERGENCY AND EXIT LIGHTS CIRCUIT, ALL INTERIOR LIGHTING CIRCUITS SHALL BE ROUTED THROUGH RELAY PANELS.
- REFER TO PANEL SCHEDULES AND LIGHTING RELAY SCHEDULE FOR CIRCUITS CONTROLLED.
- REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION AND REQUIREMENTS.

"LCP" LIGHTING RELAY CONTROL SCHEDULE

ZONE OVERRIDE SWITCH	AREAS CONTROLLED	CONTROLLED CIRCUITS
LV1	STUDIO	1LTG-3
LV2	CORRIDOR/RECEPTION OUTDOOR LTG.	1LTG-1

GENERAL NOTES:

- FOR QUESTION REGARDING LC & D LIGHTING CONTROL SYSTEM, CALL MR MICHAEL REYES AT TELEPHONE NUMBER (323) 497-0001 OR TECHNICAL SUPPORT AT TELEPHONE NUMBER (800) 345-4480. ALL LIGHTING CONTROL RELAY CONTACTOR SHALL BE RATED 30 AMPS MINIMUM.
- APPROVED EQUAL: WATTSTOPPER, INC-TELEPHONE NUMBER (800) 879-8585 OR INTELLIGENT LIGHTING CONTROLS, INC-TELEPHONE NUMBER (800) 922-8004.

LIGHTING CONTROL PANEL

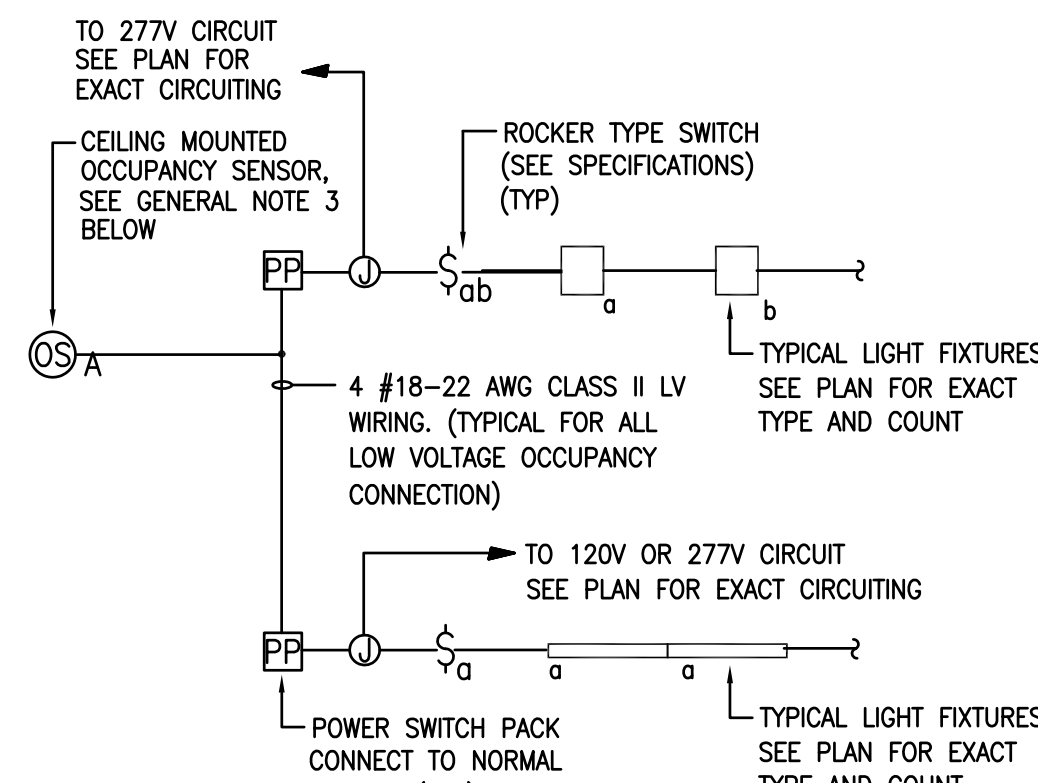
SCALE: NONE

2

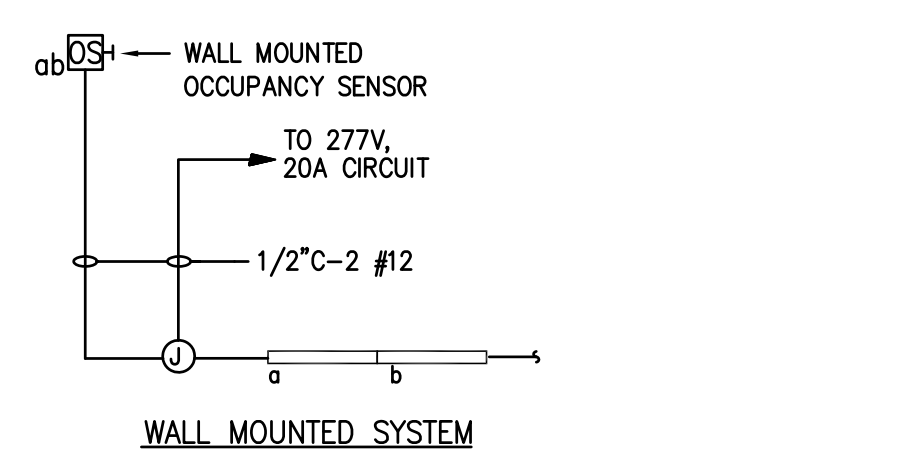
SPECIFICATION AND NOTES: WATT STOPPER

SYMBOL	DESCRIPTION	COVERAGE:
OSa	PW-100 AUTOMATIC WALL SWITCH	500-1000 SQ FT 180 DEGREES
OSab	PW-200 DUAL RELAY AUTOMATIC WALL SWITCH FOR CONTROL OF TWO SEPERATE LIGHTING LOADS OR CIRCUITS.	500-1000 SQ FT 180 DEGREES
OS	WPIR PASSIVE INFRARED CEILING OCCUPANCY SENSOR	300 SQ FT
OSa	UT-300-2 (40 mA CURRENT REQUIRED) ULTRASONIC CEILING OCCUPANCY SENSOR	1000 SQ FT 360°
OSb	UT-300-3 (45 mA CURRENT REQUIRED) ULTRASONIC CEILING OCCUPANCY SENSOR	2000 SQ FT 360°
OSc	UT-300-3 (45 mA CURRENT REQUIRED) ULTRASONIC CEILING OCCUPANCY SENSOR	90 LINEAR FT 360°
OSd	DT-200 (43 mA CURRENT REQUIRED) DUAL TECHNOLOGY WALL/CEILING OCCUPANCY SENSOR	2000 SQ FT 180°

- POWER PACK: POWER PACK SHALL BE AS FOLLOWS WITH MAXIMUM OF 3 TO 5 SENSORS ON EACH SWITCHPACK BASED ON POWER PACK OUTPUT AND CEILING SENSOR CURRENT REQUIREMENT : BZ-100 FOR 120/277V INPUT VOLTAGE (150 mA OUTPUT) BZ-150 FOR 120/277V INPUT VOLTAGE WITH AUTO OR MANUAL ON OPERATING MODE (225mA OUTPUT)
- WIRING ON THIS PLAN IS DIAGRAMMATIC WITHOUT SHOWING THE REQUIRED POWER PACKS AND CONNECTIONS. PROVIDE POWER PACK AS NEEDED AND INSTALLED IN ACCESSIBLE SPACE TO ACCOMPLISH SWITCHING SCHEME OF OCCUPANCY SENSOR AS INDICATED. SEE THIS WIRING DIAGRAM FOR GENERAL REQUIREMENTS
- CONTRACTOR SHALL PROVIDE OCCUPANCY SENSOR THROUGHOUT. CONTRACTOR SHALL REVISE OCCUPANCY SENSOR WIRING LAYOUT, ETC. AS REQUIRED.
- CONTRACTOR SHALL LOCATE OCCUPANCY SENSOR PER MANUFACTURER'S RECOMMENDATION FOR COMPLETE MAXIMUM COVERAGE OF LIGHTING FIXTURES CONTROLLED. CONTRACTOR SHALL TAKE RESPONSIBILITY FOR ADDITIONAL OCCUPANCY SENSORS REQUIRED FOR COMPLETE COVERAGE OF AREA LIGHTS BEING CONTROLLED.



CEILING MOUNTED SYSTEM



WALL MOUNTED SYSTEM

GENERAL NOTES:

- WIRING ON THIS PLAN IS DIAGRAMMATIC WITHOUT SHOWING THE REQUIRED POWER PACKS AND CONNECTIONS. PROVIDE POWER PACKS AS NEEDED AND INSTALLED IN ACCESSIBLE SPACE TO ACCOMPLISH SWITCHING SCHEME OF OCCUPANCY SENSOR AS INDICATED. SEE THIS WIRING DIAGRAM FOR GENERAL REQUIREMENTS.
- ULTRASONIC OCCUPANCY SENSOR SHALL BE PLACED AT MINIMUM OF 6' AWAY FROM ANY HVAC SUPPLY
- CONTRACTOR SHALL PROVIDE TYPE "A" OR TYPE "B" OCCUPANCY SENSOR, DEPENDING ON SIZE OF ROOM. ROOM COVERAGE REQUIREMENT SHALL BE PER SENSOR MANUFACTURER'S RECOMMENDATION.
- OCCUPANCY SENSORS SHALL HAVE UP TO 30 MINUTES TIME DELAY.

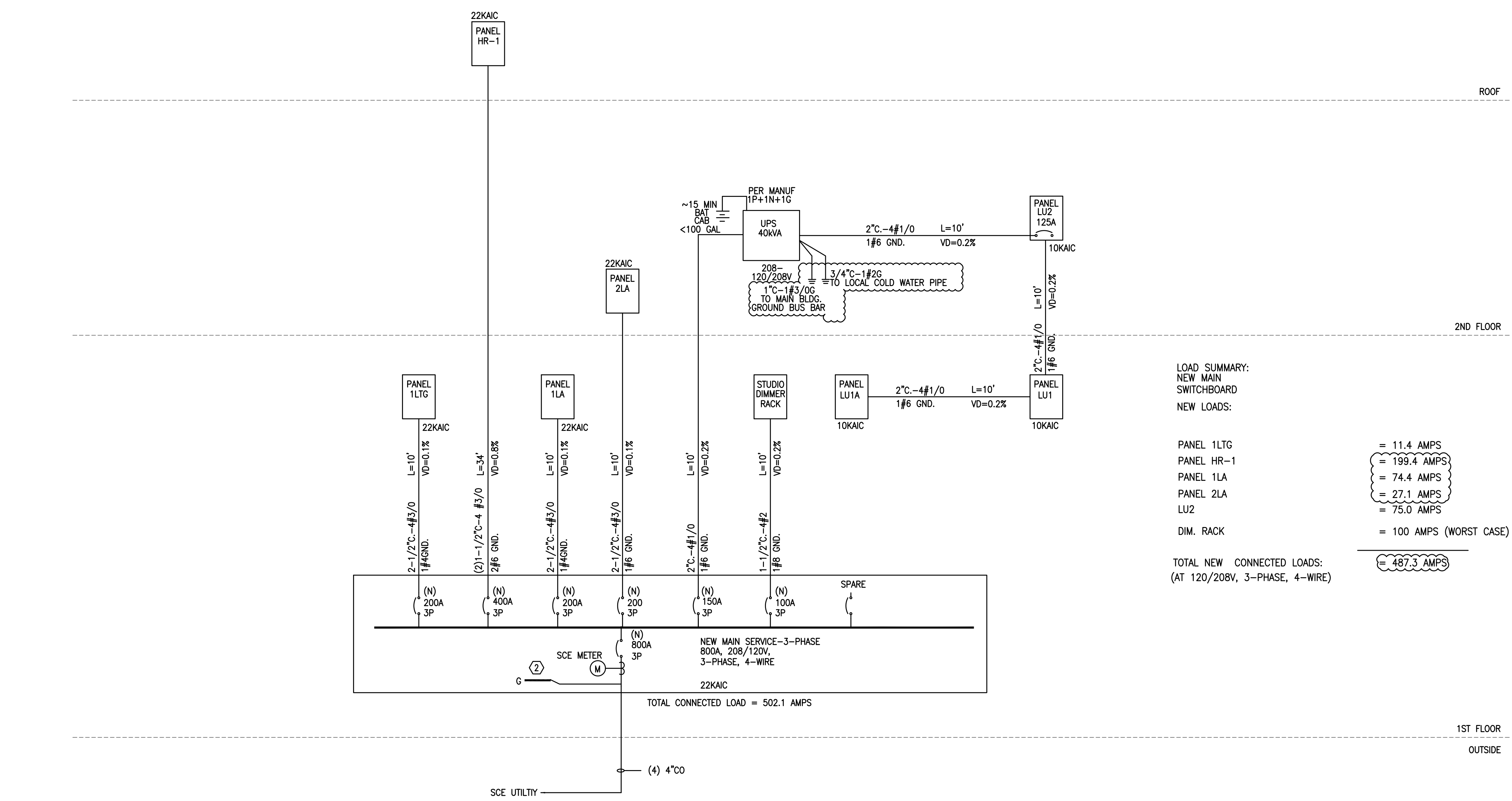
TYPICAL OCCUPANCY SENSOR DETAIL

SCALE: NONE

1



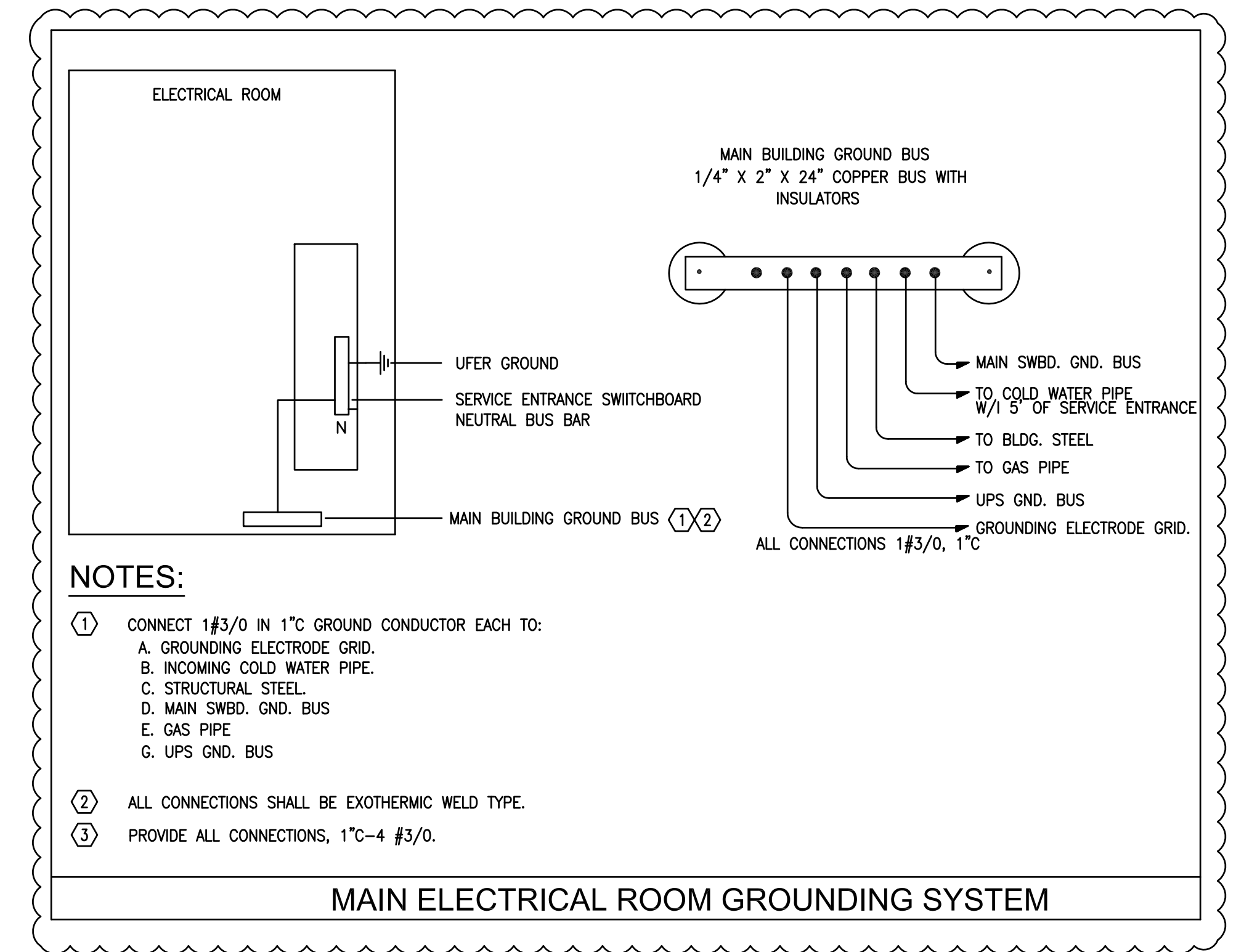
15260 Ventura Blvd. Suite 1520,
Sherman Oaks, CA 91403
tel: 818.508.6300 fax: 818.508.7050
www.arceng.net



LOAD SUMMARY:
NEW MAIN SWITCHBOARD
NEW LOADS:

PANEL 1LTG = 11.4 AMPS
 PANEL HR-1 = 199.4 AMPS
 PANEL 1LA = 74.4 AMPS
 PANEL 2LA = 27.1 AMPS
 LU2 = 75.0 AMPS
 DIM. RACK = 100 AMPS (WORST CASE)

TOTAL NEW CONNECTED LOADS:
(AT 120/208V, 3-PHASE, 4-WIRE) = 487.3 AMPS



SPECIFIC NOTES

- REFER TO PANEL SCHEDULE DRAWINGS FOR PANEL LOADS.
- SEE DETAIL ON THIS SHEET FOR MAIN ELECTRICAL ROOM GROUNDING DETAIL FOR MORE INFORMATION.

GENERAL NOTES

- ALL EQUIPMENT, DEVICES AND FEEDERS SHOWN ON THIS SINGLE LINE DIAGRAM ARE NEW, UNLESS OTHERWISE INDICATED AS EXISTING.
- LABEL ALL NEW ELECTRICAL EQUIPMENT INCLUDE EQUIPMENT IDENTIFICATION, VOLTAGE, KVA RATING, SOURCE FED FROM AND FED TO. LABEL SHALL BE LAMICOID SCREW DOWN WITH 1/2" WHITE LETTERING ON BLACK BACKGROUND.
- REFER TO PANELBOARD SCHEDULES FOR CIRCUITING OF NEW PANELBOARDS.
- FEEDER LENGTH SHOWN IS FOR INFORMATION AND PLANCHECK PURPOSE ONLY.
- PROVIDE SPRING MOUNTS ON UPS.
- UNLESS OTHERWISE SHOWN, ALL NEW 208/120V PANELS SHALL BE RATED AT 225A, 10 KAIC.
- ALL WORK TO COMPLY WITH 2001 CALIFORNIA MECHANICAL CODE, CALIFORNIA ELECTRICAL CODE, AND CALIFORNIA PLUMBING CODE.

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

SANTA MONICA CITY TV
1654 19TH STREET, SANTA MONICA, CA 90404
PROJECT

SINGLE LINE DIAGRAM

DRAWING

DATE	12-805
PROJECT NO.	
DRAWN	
REVIEWED	
SCALE	NONE
DRAWING NO.	E0.4

ARC JOB: SANTA MONICA CITY TV 208/120V : PANEL VOLTAGE: 1LA
3PH 4W : PHASE & WIRE
225 : AMP BUSSING
MLO : MAIN TYPE
22KAIC : AIC

CIRCUIT	CKT BKR	TRIP	POLE	LOAD TYPE & DESIGNATION			LOAD			PHASES			LOAD			LOAD TYPE & DESIGNATION			POLE	TRIP	CODE	NO
				DESCRIPTION	MISC	REC	LITE	VA	A	B	C	VA	LITE	REC	MISC	DESCRIPTION						
1	3	20	1	STUDIO			5	900	1400	-----	500		1	SEPARATE CIRCUIT	1	20	3	2				
3	3	20	1	STUDIO			5	900	-----	1400	-----	500		1	GARBAGE DISPOSAL	1	20	3	4			
5	3	20	1	STUDIO/SOUNDLOCK			5	900	-----	1400	500		1	SEPARATE CIRCUIT	1	20	3	6				
7	3	20	1	CONTROL/DUB/EDIT RMS.			5	900	1400	-----	500		1	SEPARATE CIRCUIT	1	20	3	8				
9	3	20	1	EDIT RMS.			6	1080	-----	1280	-----	200		1	EXHAUST FAN	1	20	2	10			
11	3	20	1	PRODUCTION OFFICE/STORAGE			5	900	-----	1100	200		1	EXHAUST FAN	1	20	2	12				
13	3	20	1	FIELD STORAGE/HALL			5	900	1100	-----	200		1	EXHAUST FAN	1	20	2	14				
15	3	20	1	CONFERENCE RM.			4	720	-----	4880	-----	4160		1	WATER HEATER	2	40	2	16			
17	3	20	1	CONF. RM/PROD. OFFICE			4	720	-----	4880	4160				WITH CIRCUIT-16	-	-	2	18			
19	3	20	1	CONF. RM/PROD. OFFICE			5	900	2280	-----	1380		1	SUPM PUMPS	2	30	2	20				
21	3	20	1	RECEPTION			6	1080	-----	2460	-----	1380			WITH CIRCUIT-20	-	-	2	22			
23	3	20	1	RECEPTION			4	720	-----	820	100		1	PUMPS CONTROL PANEL	1	20	1	24				
25	3	20	1	MANAGER OFFICE			5	900	900	-----	-----	-----			SPARE	1	20		26			
27	3	20	1	MANAGER OFFICE			5	900	-----	900	-----	-----			SPARE	1	20		28			
29	3	20	1	MANAGER OFFICE			4	720	-----	720	-----	-----			SPARE	1	20		30			
31	3	20	1	PROGRAMMING OFFICE			6	1080	1080	-----	-----	-----			SPARE	1	20		32			
33	3	20	1	PROGRAMMING OFFICE			6	1080	-----	1080	-----	-----			SPARE	1	20		34			
35	3	20	1	PRODUCTION OFFICE			5	900	-----	900	-----	-----			SPARE	1	20		36			
37	3	20	1	PRODUCTION OFFICE			5	900	900	-----	-----	-----			SPARE	1	20		38			
39	3	20	1	CORRIDOR GEN. REC.			5	900	-----	900	-----	-----			SPARE	1	20		40			
41	3	20	1	RESTROOMS			2	360	-----	360	-----	-----			SPARE	1	20		42			
				TOTAL			9060	12900	10180	CONNECTED KVA			32.1	SUM								
NOTES:				CONN.KVA (CONT=1)			0.1						0.1									
				CONN.KVA (N=CONT=2)			11.7						11.7									
				CONN.KVA (RECEP=3)			20.4						20.4									
				CONN.KVA (KITCHEN=4)			0.0						0.0									
CKT CODE: 1=(CONTINUOUS)													0.0									
				2=(NON-CONTINUOUS)																		
				3=(RECEPTACLES)																		
				4=(KITCHEN)																		
				DEMAND KVA			27.0															
				DEMAND AMPS			74.4															

ARC JOB: SANTA MONICA CITY TV 208/120V : PANEL VOLTAGE: 1LTG
3PH 4W : PHASE & WIRE
225 : AMP BUSSING
MLO : MAIN TYPE
22KAIC : AIC

CIRCUIT	CKT BKR	TRIP	POLE	LOAD TYPE & DESIGNATION			LOAD			PHASES			LOAD			LOAD TYPE & DESIGNATION			POLE	TRIP	CODE	NO
				DESCRIPTION	MISC	REC	LITE	VA	A	B	C	VA	LITE	REC	MISC	DESCRIPTION						
1	1	20	1	CORRIDOR LIGHTING				24	644	644	-----	-----	-----					SPARE	1	20		2
3	1	20	1	STRUDIO LIGHTING				13	926	-----	926	-----	-----					SPARE	1	20		4
5	1	20	1	CONTROL RM/PROD. OFFICES				21	738	-----	738	-----	-----					SPARE	1	20		6
7	1	20	1	EDIT RMS/ PROD. OFFICES				18	576	576	-----	-----	-----					SPARE	1	20		8
9	1	20	1	PROD. OFFICES/PANTRY				19	532	-----	532	-----	-----					SPARE	1	20		10
11				SPARE						-----	-----	0						SPARE	1	20		12
13				SPARE						0	-----	-----	-----					SPARE	1	20		14
15				SPARE						0	-----	-----	-----					SPARE	1	20		16
17				SPARE						0	-----	-----	-----					SPARE	1	20		18
19				SPARE						0	-----	-----	-----					SPARE	1	20		20
21				SPARE						0	-----	-----	-----					SPARE	1	20		22
23				SPARE						0	-----	-----	-----					SPARE	1	20		24
25				SPARE						0	-----	-----	-----					SPARE	1	20		26
27				SPARE						0	-----	-----	-----					SPARE	1	20		28
29				SPARE						0	-----	-----	-----					SPARE	1	20		30
31				SPARE						0	-----	-----	-----					SPARE	1	20		32
33				SPARE						0	-----	-----	-----					SPARE	1	20		34
35				SPARE						0	-----	-----	-----					SPARE	1	20		36
37				SPARE						0	-----	-----	-----					SPARE	1	20		38
39				SPARE						0	-----	-----	-----					SPARE	1	20		40
41				SPARE						0	-----	-----	-----					SPARE	1	20		42
				TOTAL			1220	1458	738	CONNECTED KVA			3.4	SUM								
NOTES:				CONN.KVA (CONT=1)			3.4						3.4									
				CONN.KVA (N=CONT=2)			0.0						0.0									
				CONN.KVA (RECEP=3)			0.0						0.0									
				CONN.KVA (KITCHEN=4)			0.0						0.0									
CKT CODE: 1=(CONTINUOUS)													0.0									
				2=(NON-CONTINUOUS)																		
				3=(RECEPTACLES)																		
				4=(KITCHEN)																		
				DEMAND KVA			4.3															
				DEMAND AMPS			11.8															

ARC JOB: SANTA MONICA CITY TV 208/120V : PANEL VOLTAGE: 2LA
3PH 4W : PHASE & WIRE
225 : AMP BUSSING
MCB : MAIN TYPE
22KAIC : AIC

CIRCUIT	CKT BKR	TRIP	POLE	LOAD TYPE & DESIGNATION			LOAD			PHASES			LOAD			CKT BKR	CIRCUIT					
				DESCRIPTION	MISC	REC	LITE	VA	A	B	C	VA	LITE	REC	MISC			DESCRIPTION				
1	3	20	1	SERVER RM.			4	720	1084	-----	364		1	FCU-1	2	15	2	2				
3	3	20	1	ATTIC			4	720	-----	1084	-----	364			WITH CIRCUIT-2	-	-	2	4			
5	3	20	1	ATTIC			4	720	-----	1084	364		1	FCU-2	2	15	2	6				
7	3	20	1	ATTIC/MECH. RM.					364	-----	364			WITH CIRCUIT-6	-	-	2	8				
9	2	20	1	CONDENSATE PUMPS			9		300	-----	653	-----	353	1	FCU-3	2	15	2	10			
11				SPARE						-----	353	353			WITH CIRCUIT-10	-	-	2	12			
13	1	20	1	NEW LIGHTING			12	768	1132	-----	364	-----	364	1	FCU-4	2	15	2	14			
15				SPARE						-----	364	-----	364		WITH CIRCUIT-12	-	-	2	16			
17				SPARE						-----	364	364		1	FCU-5	2	15	2	18			
19				SPARE						-----	364	-----	364		WITH CIRCUIT-18	-	-	2	20			
21				SPARE						-----	353	-----	353		1	FCU-6	2	15	2	22		
23				SPARE						-----	353	353			WITH CIRCUIT-22	-	-	2	24			
25				SPARE						-----	676	-----	676	1	FCU-7	2	15	2	26			
27				SPARE						-----	676	-----	676		WITH CIRCUIT-26	-	-	2	28			
29				SPARE						-----	364	364		1	FCU-8	2	15	2	30			
31				SPARE						-----	364	-----	364		WITH CIRCUIT-30	-	-	2	32			
33				SPARE						-----	0	-----	-----		SPARE	1	20		34			
35				SPARE						-----	0	-----	-----		SPARE	1	20		36			
37				SPARE						-----	0	-----	-----		SPARE	1	20		38			
39				SPARE						-----	0	-----	-----		SPARE	1	20		40			
41				SPARE						-----	0	-----	-----		SPARE	1	20		42			
				TOTAL			3984	3130	2518	CONNECTED KVA			9.6	SUM								
NOTES:				CONN.KVA (CONT=1)			0.8						0.8									
				CONN.KVA (N=CONT=2)			6.7						6.7									
				CONN.KVA (RECEP=3)			2.2						2.2									
				CONN.KVA (KITCHEN=4)			0.0						0.0									
CKT CODE: 1=(CONTINUOUS)													0.0									
				2=(NON-CONTINUOUS)																		
				3=(RECEPTACLES)																		
				4=(KITCHEN)																		
				DEMAND KVA			9.8															
				DEMAND AMPS			27.1															

ARC JOB: SANTA MONICA CITY TV 208/120V : PANEL VOLTAGE: HR1
3PH 4W : PHASE & WIRE
400 : AMP BUSSING
MCB : MAIN TYPE
22KAIC : AIC

CIRCUIT	CKT BKR	TRIP	POLE	LOAD TYPE & DESIGNATION			LOAD			PHASES			LOAD			CKT BKR	CIRCUIT		
				DESCRIPTION	MISC	REC	LITE	VA	A	B	C	VA	LITE	REC	MISC			DESCRIPTION	
1	2	25	2	HP-1				1820	3380	-----	1560		1	CU-1	1	20	2	2	
3	2			WITH CIRCUIT-1				1820	-----	3380	-----	1560			WITH CIRCUIT-2	1	20	2	4
5	2	25	2	HP-2				1820	-----	-----	3380	1560			WITH CIRCUIT-2	1	20	2	6
7	2			WITH CIRCUIT-5				1820	2360	-----	-----	540	3		MAINTENANCE REC.	1	20	3	8
9	2	20	3	HP-3				1524	-----	2244	-----	720	4		MAINTENANCE REC.	1	20	3	10
11	2			WITH CIRCUIT-9															



15260 Ventura Blvd, Suite 1520,
Sherman Oaks, CA 91403
tel: 818.508.6300 fax: 818.508.7050
www.arceng.net

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JOB: SANTA MONICA CITY TV
208/120V : PANEL VOLTAGE:
3PH 4W : PHASE & WIRE
225 : AMP BUSSING
125 MCB : MAIN TYPE
10KAIC : AIC

LU1 PANEL

CIRCUIT	NO	CODE	TRIP	POLE	LOAD TYPE & DESIGNATION				LOAD VA	PHASES			LOAD VA	LITE	REC	MISC	LOAD TYPE & DESIGNATION			POLE	TRIP	CODE	NO						
					DESCRIPTION	MISC	REC	LITE		A	B	C					DESCRIPTION	TRIP	CODE										
1	3	20	1		STUDIO			600	1200	-----	-----	600				CONTROL RM.	1	20	3	2									
3	3	20	1		STUDIO			600	-----	1200	-----	600				CONTROL RM.	1	20	3	4									
5	3	20	1		STUDIO			600	-----	-----	1200	600				CONTROL RM.	1	20	3	6									
7	3	20	1		STUDIO			600	1200	-----	-----	600				DUB RM.	1	20	3	8									
9	3	20	1		STUDIO			600	-----	1200	-----	600				DUB RM.	1	20	3	10									
11	3	20	1		STUDIO			600	-----	-----	1200	600				DUB RM.	1	20	3	12									
13	3	20	1		STUDIO			600	1200	-----	-----	600				DUB RM.	1	20	3	14									
15	3	20	1		STUDIO			600	-----	1200	-----	600				DUB RM.	1	20	3	16									
17	3	20	1		CONTROL RM.			600	-----	-----	1200	600				DUB RM.	1	20	3	18									
19	3	20	1		STUDIO			600	1200	-----	-----	600				DUB RM.	1	20	3	20									
21	3	20	1		STUDIO			600	-----	1200	-----	600				DUB RM.	1	20	3	22									
23	3	20	1		STUDIO			600	-----	-----	1200	600				DUB RM.	1	20	3	24									
25	3	20	1		STUDIO			600	1200	-----	-----	600				CONFERENCE RM.	1	20	3	26									
27	3	20	1		STUDIO			600	-----	1200	-----	600				CONFERENCE RM.	1	20	3	28									
29	3	20	1		STUDIO			600	-----	-----	1200	600				CONFERENCE RM.	1	20	3	30									
31	3	20	1		EXTERIOR			600	1200	-----	-----	600				EDIT RM. 2	1	20	3	32									
33	3	20	1		CONTROL RM.			600	-----	1200	-----	600				EDIT RM. 2	1	20	3	34									
35	3	20	1		CONTROL RM.			600	-----	-----	600					SPARE	1	20		36									
37	3	20	1		CONTROL RM.			600	600	-----	-----		See load below			PANEL LU1A	3	125		38									
39	3	20	1		EDIT RM.			600	-----	600	-----					WITH CIRCUIT-38				40									
41	3	20	1		EDIT RM.			600	-----	-----	600					WITH CIRCUIT-38				42									
TOTAL									7800	7800	7200	CONNECTED KVA			22.8	Panel LU1A			SUM										
NOTES:												CONN.KVA (CONT=1)		0.0	0		0.0												
												CONN.KVA (N-CO=2)		0.0	0		0.0												
												CONN.KVA (RECEP=3)		22.8	10.2		33.0												
												CONN.KVA (KITCHEN=4)		0.0	0		0.0												
												DEMAND KVA		21.5															
												DEMAND AMPS		59.3															
CKT CODE: 1=(CONTINUOUS)																													
2=(NON-CONTINUOUS)																													
3=(RECEPTACLES)																													
4=(KITCHEN)																													

ARC ENGINEERING
ISSUE DATE: 10-07-09

JOB: SANTA MONICA CITY TV
208/120V : PANEL VOLTAGE:
3PH 4W : PHASE & WIRE
225 : AMP BUSSING
125 MCB : MAIN TYPE
10KAIC : AIC

LU1A PANEL

CIRCUIT	NO	CODE	TRIP	POLE	LOAD TYPE & DESIGNATION				LOAD VA	PHASES			LOAD VA	LITE	REC	MISC	LOAD TYPE & DESIGNATION			POLE	TRIP	CODE	NO						
					DESCRIPTION	MISC	REC	LITE		A	B	C					DESCRIPTION	TRIP	CODE										
1	3	20	1		PRODUCTION OFFICE			600	600	-----	-----					SPARE	1	20		2									
3	3	20	1		PRODUCTION OFFICE			600	-----	600	-----					SPARE	1	20		4									
5	3	20	1		RECEPTION			600	-----	-----	600					SPARE	1	20		6									
7	3	20	1		RECEPTION			600	600	-----	-----					SPARE	1	20		8									
9	3	20	1		FIELD STORAGE			600	-----	600	-----					SPARE	1	20		10									
11	3	20	1		ASSISTANT/RECEPTION			600	-----	-----	600					SPARE	1	20		12									
13	3	20	1		PRODUCTION OFFICE			600	600	-----	-----					SPARE	1	20		14									
15	3	20	1		PRODUCTION OFFICE			600	-----	600	-----					SPARE	1	20		16									
17	3	20	1		MANAGER OFFICE			600	-----	-----	600					SPARE	1	20		18									
19	3	20	1		MANAGER OFFICE			600	600	-----	-----					SPARE	1	20		20									
21	3	20	1		MANAGER OFFICE			600	-----	600	-----					SPARE	1	20		22									
23	3	20	1		MANAGER OFFICE			600	-----	-----	600					SPARE	1	20		24									
25	3	20	1		PROGRAMMING OFFICE			600	600	-----	-----					SPARE	1	20		26									
27	3	20	1		PROGRAMMING OFFICE			600	-----	600	-----					SPARE	1	20		28									
29	3	20	1		PROGRAMMING OFFICE			600	-----	-----	600					SPARE	1	20		30									
31	3	20	1		PRODUCTION OFFICE			600	600	-----	-----					SPARE	1	20		32									
33	3	20	1		PRODUCTION OFFICE			600	-----	600	-----					SPARE	1	20		34									
35		20	1		SPARE				-----	-----	0					SPARE	1	20		36									
37		20	1		SPARE			0	-----	-----						SPARE	1	20		38									
39		20	1		SPARE			0	-----	-----						SPARE	1	20		40									
41		20	1		SPARE			0	-----	-----						SPARE	1	20		42									
TOTAL									3600	3600	3000	CONNECTED KVA			10.2	SUM													
NOTES:												CONN.KVA (CONT=1)		0.0	0		0.0												
												CONN.KVA (N-CO=2)		0.0	0		0.0												
												CONN.KVA (RECEP=3)		10.2	10.2														
												CONN.KVA (KITCHEN=4)		0.0	0.0														
												DEMAND KVA		10.1															
												DEMAND AMPS		27.8															
CKT CODE: 1=(CONTINUOUS)																													
2=(NON-CONTINUOUS)																													
3=(RECEPTACLES)																													
4=(KITCHEN)																													

ARC ENGINEERING
ISSUE DATE: 10-07-09

JOB: SANTA MONICA CITY TV
208/120V : PANEL VOLTAGE:
3PH 4W : PHASE & WIRE
225 : AMP BUSSING
125 MCB : MAIN TYPE
10KAIC : AIC

LU2 PANEL

CIRCUIT	NO	CODE	TRIP	POLE	LOAD TYPE & DESIGNATION				LOAD VA	PHASES			LOAD VA	LITE	REC	MISC	LOAD TYPE & DESIGNATION			POLE	TRIP	CODE	NO						
					DESCRIPTION	MISC	REC	LITE		A	B	C					DESCRIPTION	TRIP	CODE										
1	3	20	1		SEPARATE CKT/SERVER RM.			600	1200	-----	-----	600				1	20	3	2										
3	3	20	1		SEPARATE CKT/SERVER RM.			600	-----	1200	-----	600				1	20	3	4										
5	3	20	1		SEPARATE CKT/SERVER RM.			600	-----	-----	1200	600				1	20	3	6										
7	3	20	1		SEPARATE CKT/SERVER RM.			600	1200	-----	-----	600				1	20	3	8										
9	3	20	1		SEPARATE CKT/SERVER RM.			600	-----	1200	-----	600				1	20	3	10										
11	3	20	1		RACK OUTLET			600	-----	-----	1200	600				1	20	3	12										
13	3	20	1		RACK OUTLET			600	1200	-----	-----	600				1	20	3	14										
15	3	20	1		RACK OUTLET			600	-----	600	-----					SPARE	1	20		16									
17	3	20	1		RACK OUTLET			600	-----	-----	600					SPARE	1	20		18									
19	3	20	1		RACK OUTLET			600	600	-----	-----					SPARE	1	20		20									
21	3	20	1		RACK OUTLET			600	-----	600	-----					SPARE	1	20		22									
23	3	20	1		RACK OUTLET			600	-----	-----	600					SPARE	1	20		24									
25		20	1		SPARE				0	-----	-----					SPARE	1	20		26									
27		20	1		SPARE				0	-----	-----					SPARE	1	20		28									
29		20	1		SPARE				0	-----	-----					SPARE	1	20		30									
31		20	1		SPARE				0	-----	-----					SPARE	1	20		32									
33		20	1		SPARE				0	-----	-----					SPARE	1	20		34									
35		20	1		SPARE				0	-----	-----					SPARE	1	20		36									
37	125	3			PANEL LU1			See load below	0	-----	-----					SPARE	1	20		38									
39					WITH CIRCUIT-37				0	-----	-----					SPARE	1	20		40									
41					WITH CIRCUIT-37				0	-----	-----					SPARE	1	20		42									
TOTAL									4200	3600	3600	CONNECTED KVA			11.4	Panel LU1			SUM										
NOTES:												CONN.KVA (CONT=1)		0.0	0		0.0												
												CONN.KVA (N-CO=2)		0.0	0		0.0												
												CONN.KVA (RECEP=3)		11.4	33		44.4												
												CONN.KVA (KITCHEN=4)		0.0	0		0.0												
												DEMAND KVA		27.2															
												DEMAND AMPS		75.0															
CKT CODE: 1=(CONTINUOUS)																													
2=(NON-CONTINUOUS)																													
3=(RECEPTACLES)																													
4=(KITCHEN)																													

NO.	DESCRIPTION	BY	DATE	NO.	DESCRIPTION	BY	DATE
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3	PERMIT ISSUE		06.04.09	8	DELTA 8		04.01.11
4	PC-RESUBMIT		08.31.09	9	FOR CONSTRUCTION		04.25.11
5	PC-COMMENTS		10.07.09				
6	PC-RESUBMIT		05.28.10	10	DELTA 9		05.27.11
				11	DELTA 10		06.06.11

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

SANTA MONICA CITY TV
1654 19TH STREET, SANTA MONICA, CA 90404

PROJECT

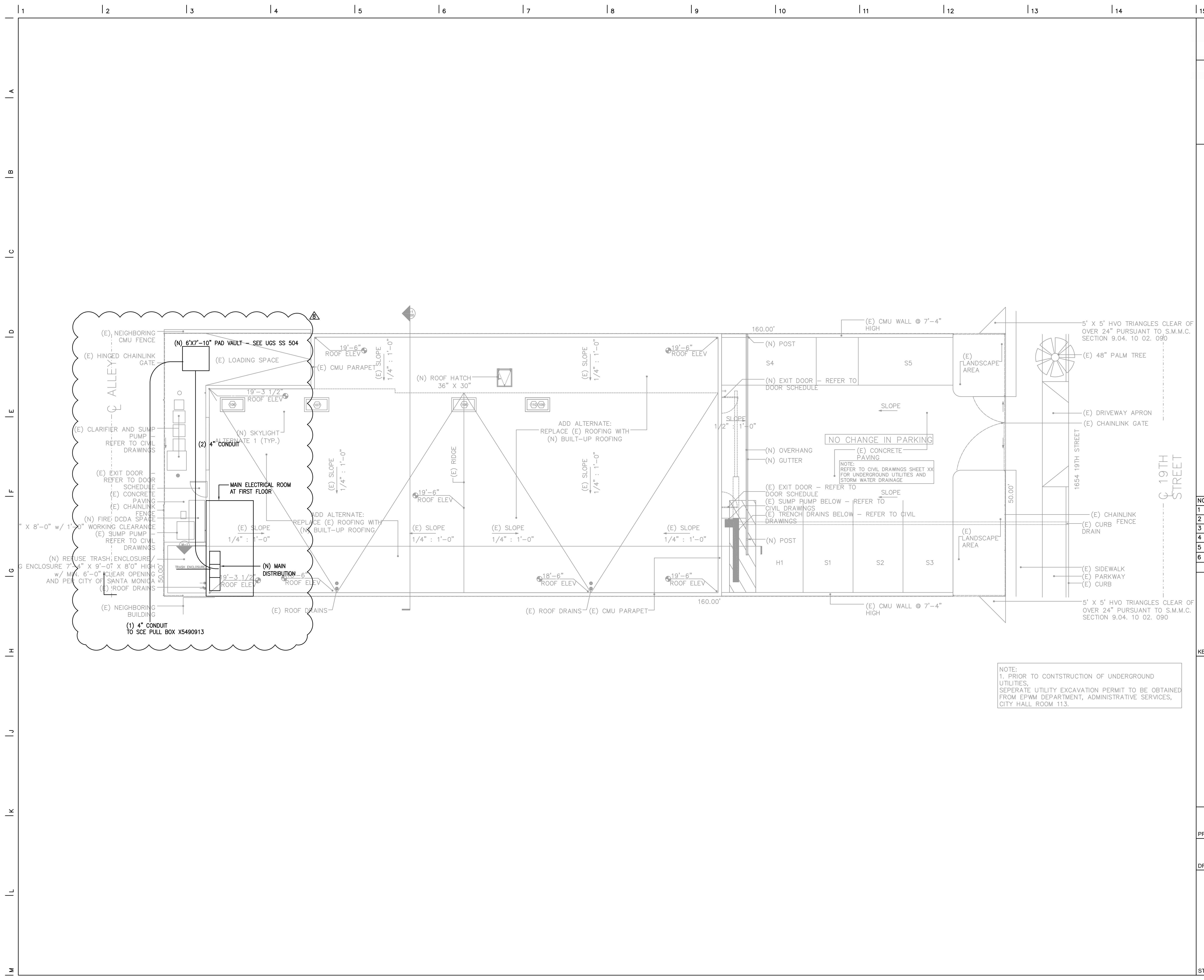
PANEL SCHEDULES

DRAWING

DATE	12-805
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NOTE:
1. PRIOR TO CONSTRUCTION OF UNDERGROUND UTILITIES, SEPARATE UTILITY EXCAVATION PERMIT TO BE OBTAINED FROM EPWM DEPARTMENT, ADMINISTRATIVE SERVICES, CITY HALL ROOM 113.

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nonzero\architecture
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310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

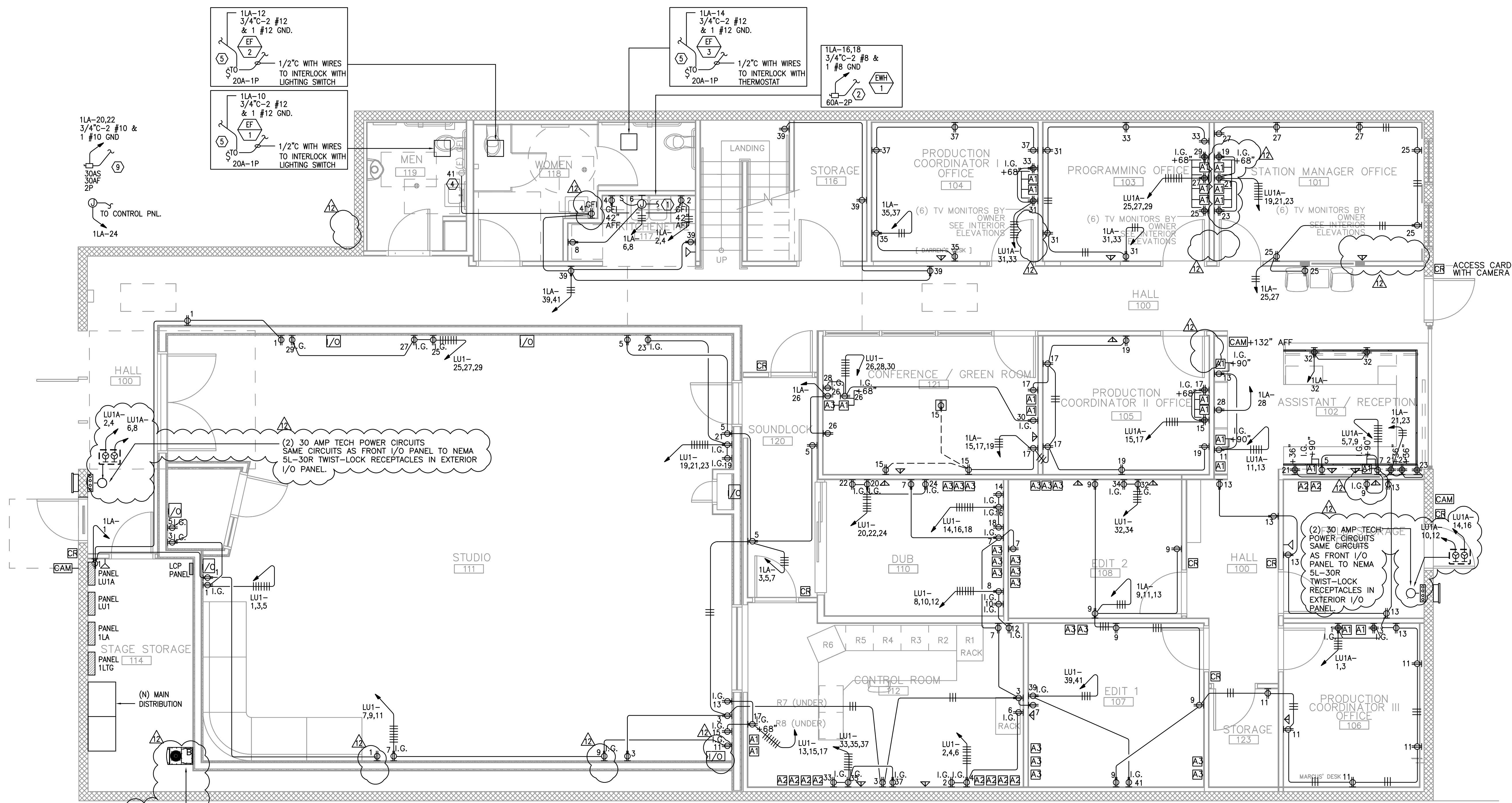
SANTA MONICA CITY TV
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PROJECT

ELECTRICAL SITE PLAN

DRAWING	DATE	-	PROJECT NO. 12-805
	DRAWN	-	
	REVIEWED	-	
	SCALE	1/8"=1'-0"	
STAMP			DRAWING NO. E1.1



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PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

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PROJECT

1ST FLOOR ELECTRICAL
POWER PLAN
DRAWING

DATE	-	PROJECT NO.	12-805
DRAWN	-		
REVIEWED	-		
SCALE	1/4"=1'-0"	DRAWING NO.	E2.0
STAMP			

GENERAL NOTES:

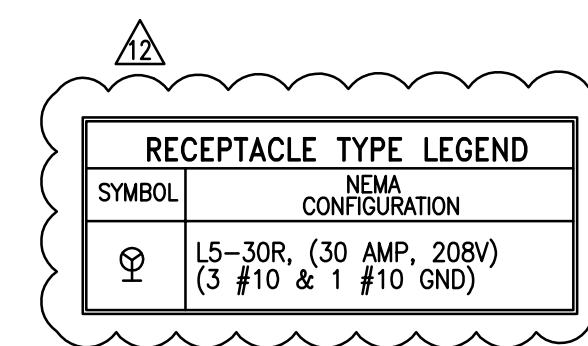
- DRAWING SHOWS DESIRED ELECTRICAL LAYOUT WITH NEW LOCATION OF RECEPTACLES, HARD WIRED JUNCTION BOX, CONDUIT AND CIRCUITING REQUIREMENTS. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF DEVICES WITH OTHER SUBCONTRACTOR TO AVOID CONFLICT OF ACCESS TO THE DEVICES.
- ALL JUNCTION BOXES SHALL BE SIZED PER NEC TABLE 370-16(g).
- ALL PENETRATIONS INTO FIRE RATED WALL AND ALL FLOOR CORING SHALL BE FIRE SEALED X-RAYED FOR CORING. FOR ALL CONDUIT PENETRATION, SEE TYPICAL DETAIL ON ARCHITECTURAL DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTION(S) ARE NEW. SEE MECHANICAL DRAWINGS FOR ACTUAL LOCATION AND ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT.
- NO EQUIPMENT, JUNCTION BOX, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS (UNLESS ACCESS PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). RELOCATE ANY EXISTING EQUIPMENT, JUNCTION BOX, ETC. TO ACCESSIBLE CEILING AREA.
- TELE/DATA CONDUITS AND POWER CONDUITS IF RUN PARALLEL, SHALL HAVE NO LESS THAN 12" SEPARATION BETWEEN CONDUITS. ALL EXPOSED CONDUIT SHALL BE EMT AND SHALL BE RUN AS HIGH AS POSSIBLE, GROUP AND SPACED EVENLY WITH TYPICAL HANGERS.
- FOR EQUIPMENT REQUIRING SPECIAL RECEPTACLE, PROVIDE RECEPTACLE WITH NEMA CONFIGURATION TO MATCH EQUIPMENT PLUG. VERIFY WITH EQUIPMENT MANUFACTURER.
- PROVIDE 1/2" FROM EACH THERMOSTAT TO RESPECTIVE FOR AC UNIT OR EXHAUST FAN. REFER TO MECHANICAL DRAWINGS EXACT LOCATIONS AND REQUIREMENTS.

SPECIFIC NOTES:

- FOR FIRE/LIFE SAFETY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO DUCT DETECTORS SHOWN ON HVAC AND FIRE PROTECTION PLANS, CONTRACTOR SHALL MAKE PROVISIONS FOR CONNECTION OF NEW DEVICES TO BUILDING FIRE LIFE/SAFETY SYSTEM AS OUTLINED ON SHEET E0.1 SERIES.
- CIRCUIT NUMBERS SHOWN ARE FOR REFERENCE ONLY. FIELD VERIFY EXACT EXISTING CIRCUIT NUMBERS. FOR NEW HOMERUNS USE OTHER AVAILABLE SPARE CIRCUITS IN THE PANEL FEEDING THIS AREA IF NECESSARY.
- PROVIDE AND INSTALL #10 WIRES FOR MORE THAN 100'-0" CIRCUIT HOMERUNS.

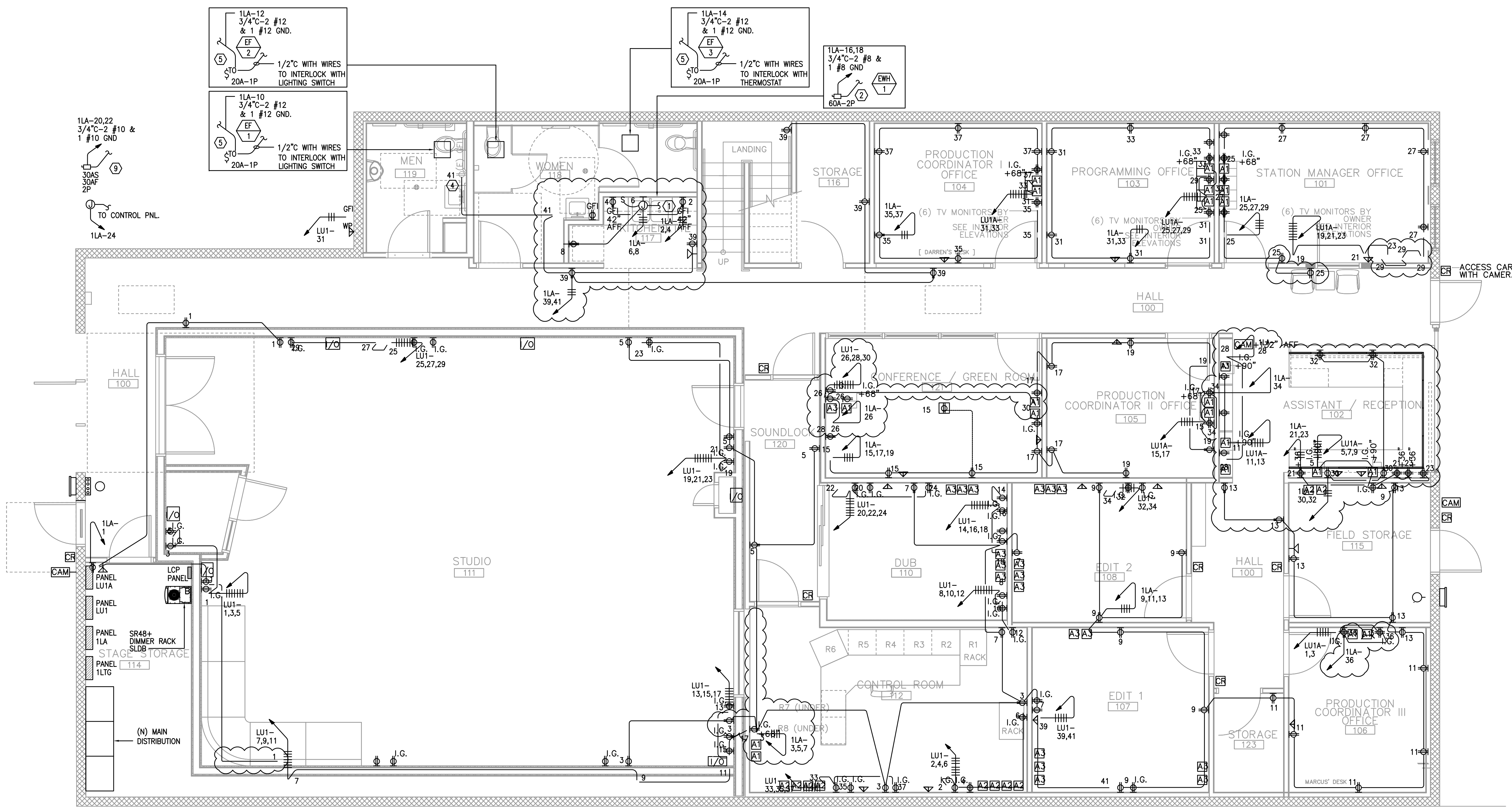
- PROVIDE JUNCTION BOX FOR HARDWIRE CONNECTION TO GARBAGE DISPOSER WITH WALL MOUNTED SWITCH, +6" ABOVE FINISHED COUNTER IN 3/4"-2# 10 & 1 #10 GND. VERIFY EXACT LOCATION OF SWITCH WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL RATED DISCONNECT SWITCH AND AS REQUIRED FOR CONNECTIONS TO ELECTRIC WATER HEATER LOCATED PER PLUMBING DRAWINGS. LOCATE AND INSTALL DISCONNECT SWITCH ADJACENT TO ELECTRIC WATER HEATER AND COORDINATE EXACT REQUIREMENTS TO PLUMBING CONTRACTOR PRIOR ROUGH-IN.
- PROVIDE 120V (100) POWER DAISSY CHAIN CONNECTION TO ALL NEW VAV BOXES IN THIS AREA. LOCATED PER MECHANICAL DRAWINGS, VIA 1/2"-2 #12. NO MORE THAN 10 VAV BOXES ARE TO BE CONNECTED TO A SINGLE 20A, 1-POLE CIRCUIT BREAKER. VERIFY EXACT LOCATION WITH SYSTEM INSTALLER PRIOR TO ROUGH-IN.
- RE-CONNECT EXISTING RECEPTACLES TO CIRCUIT 11A-41. ELECTRICAL CONTRACTOR TO CHECK AND RE-BALANCE THE LOAD TO AVOID OVERLOADING. INTERCEPT AND EXTEND NEW CONDUIT AND WIRES AS REQUIRED FOR COMPLETE AND WORKABLE INSTALLATION.
- PROVIDE MANUAL AUTOMATIC MOTOR RATED STARTER FOR EXHAUST. PROVIDE 1/2" WITH WIRES TO INTERLOCK WITH THERMOSTAT OR LIGHTING SWITCH IN ROOM WHERE THE UNIT SERVES. PROVIDE AS REQUIRED PER MECHANICAL REQUIREMENTS FOR COMPLETE INSTALLATION. VERIFY EXACT ROUTING AND LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 1/2" TO CONTROLLING THERMOSTAT, LOCATED PER HVAC PLAN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 1/2" TO CONTROLLING THERMOSTAT, LOCATED PER HVAC PLAN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- REFER TO "TV MAGIC" A/V DRAWINGS FOR EXACT QUANTITY AND SIZE OF CONDUIT SLEEVE OR E-Z PATH SLEEVE, AND AV PANEL LAYOUT/INFRASTRUCTURE.

- PROVIDE AND INSTALL AUTOMATIC MOTOR RATED STARTER AND AS REQUIRED FOR CONNECTIONS TO SUMP PUMPS LOCATED PER CIVIL DRAWINGS. LOCATE AND INSTALL DISCONNECT SWITCH ADJACENT TO EQUIPMENT AND COORDINATE EXACT REQUIREMENTS WITH CONTRACTOR PRIOR ROUGH-IN.





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5	PC-COMMENTS		10.07.09	11	DELTA 10		06.06.11
6	PC-RESUBMIT		05.28.10				

GENERAL NOTES:

- DRAWING SHOWS DESIRED ELECTRICAL LAYOUT WITH NEW LOCATION OF RECEPTACLES, HARD WIRED JUNCTION BOX, CONDUIT AND CIRCUITING REQUIREMENTS. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF DEVICES WITH OTHER SUBCONTRACTOR TO AVOID CONFLICT OF ACCESS TO THE DEVICES.
- ALL JUNCTION BOXES SHALL BE SIZED PER NEC TABLE 370-16(a).
- ALL PENETRATIONS INTO FIRE RATED WALL AND ALL FLOOR CORING SHALL BE FIRE SEALED X-RAYED FOR CORING. FOR ALL CONDUIT PENETRATION, SEE TYPICAL DETAIL ON ARCHITECTURAL DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTION(S) ARE NEW. SEE MECHANICAL DRAWINGS FOR ACTUAL LOCATION AND ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT.
- NO EQUIPMENT, JUNCTION BOX, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS (UNLESS ACCESS PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). RELOCATE ANY EXISTING EQUIPMENT, JUNCTION BOX, ETC. TO ACCESSIBLE CEILING AREA.
- TELE/DATA CONDUITS AND POWER CONDUITS IF RUN PARALLEL, SHALL HAVE NO LESS THAN 12" SEPARATION BETWEEN CONDUITS. ALL EXPOSED CONDUIT SHALL BE EMT AND SHALL BE RUN AS HIGH AS POSSIBLE, GROUP AND SPACED EVENLY WITH TYPICAL HANGERS.
- FOR EQUIPMENT REQUIRING SPECIAL RECEPTACLE, PROVIDE RECEPTACLE WITH NEMA CONFIGURATION TO MATCH EQUIPMENT PLUG. VERIFY WITH EQUIPMENT MANUFACTURER.
- PROVIDE 1/2" CO FROM EACH THERMOSTAT TO RESPECTIVE FOR AC UNIT OR EXHAUST FAN. REFER TO MECHANICAL DRAWINGS EXACT LOCATIONS AND REQUIREMENTS.

SPECIFIC NOTES

- PROVIDE JUNCTION BOX FOR HARDWARE CONNECTION TO GARBAGE DISPOSER WITH WALL MOUNTED SWITCH, 4" ABOVE FINISHED COUNTER IN 3/4"X2" & 1 #10 GND. VERIFY EXACT LOCATION OF SWITCH WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL RATED DISCONNECT SWITCH AND AS REQUIRED FOR CONNECTIONS TO ELECTRIC WATER HEATER LOCATED PER PLUMBING DRAWINGS. LOCATE AND INSTALL DISCONNECT SWITCH ADJACENT TO ELECTRIC WATER HEATER AND COORDINATE EXACT REQUIREMENTS TO PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE 120V (WON) POWER DAISY CHAIN CONNECTION TO ALL NEW VAV BOXES IN THIS AREA, LOCATED PER MECHANICAL DRAWINGS, VIA 1/2"X2 #12. NO MORE THAN 10 VAV BOXES ARE TO BE CONNECTED TO A SINGLE 20A, 1-POLE CIRCUIT BREAKER. VERIFY EXACT LOCATION WITH SYSTEM INSTALLER PRIOR TO ROUGH-IN.
- RE-CONNECT EXISTING RECEPTACLES TO CIRCUIT 1LA-41. ELECTRICAL CONTRACTOR TO CHECK AND RE-BALANCE THE LOAD TO AVOID OVERLOADING. INTERCEPT AND EXTEND NEW CONDUIT AND WIRES AS REQUIRED FOR COMPLETE AND WORKABLE INSTALLATION.
- PROVIDE MANUAL AUTOMATIC MOTOR RATED STARTER FOR EXHAUST. PROVIDE 1/2" CO WITH WIRES TO INTERLOCK WITH THERMOSTAT OR LIGHTING SWITCH IN ROOM WHERE THE UNIT SERVES. PROVIDE AS REQUIRED PER MECHANICAL REQUIREMENTS FOR COMPLETE INSTALLATION. VERIFY EXACT ROUTING AND LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 1/2" CO TO CONTROLLING THERMOSTAT, LOCATED PER HVAC PLAN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 1/2" CO TO CONTROLLING THERMOSTAT, LOCATED PER HVAC PLAN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- REFER TO "TV MAGIC" A/V DRAWINGS FOR EXACT QUANTITY AND SIZE OF CONDUIT SLEEVE OR E-Z PATH SLEEVE, AND AV PANEL LAYOUT/INFRASTRUCTURE.
- FOR FIRE/LIFE SAFETY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO DUCT DETECTORS SHOWN ON HVAC AND FIRE PROTECTION PLANS, CONTRACTOR SHALL MAKE PROVISIONS FOR CONNECTION OF NEW DEVICES TO BUILDING FIRE LIFE/SAFETY SYSTEM AS OUTLINED ON SHEET E0.1 SERIES.
- CIRCUIT NUMBERS SHOWN ARE FOR REFERENCE ONLY. FIELD VERIFY EXACT EXISTING CIRCUIT NUMBERS. FOR NEW HOMERUNS USE OTHER AVAILABLE SPARE CIRCUITS IN THE PANEL FEEDING THIS AREA IF NECESSARY.
- PROVIDE AND INSTALL #10 WIRES FOR MORE THAN 100'-0" CIRCUIT HOMERUNS.
- PROVIDE AND INSTALL AUTOMATIC MOTOR RATED STARTER AND AS REQUIRED FOR CONNECTIONS TO SUMP PUMPS LOCATED PER CIVIL DRAWINGS. LOCATE AND INSTALL DISCONNECT SWITCH ADJACENT TO EQUIPMENT AND COORDINATE EXACT REQUIREMENTS WITH CONTRACTOR PRIOR TO ROUGH-IN.

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

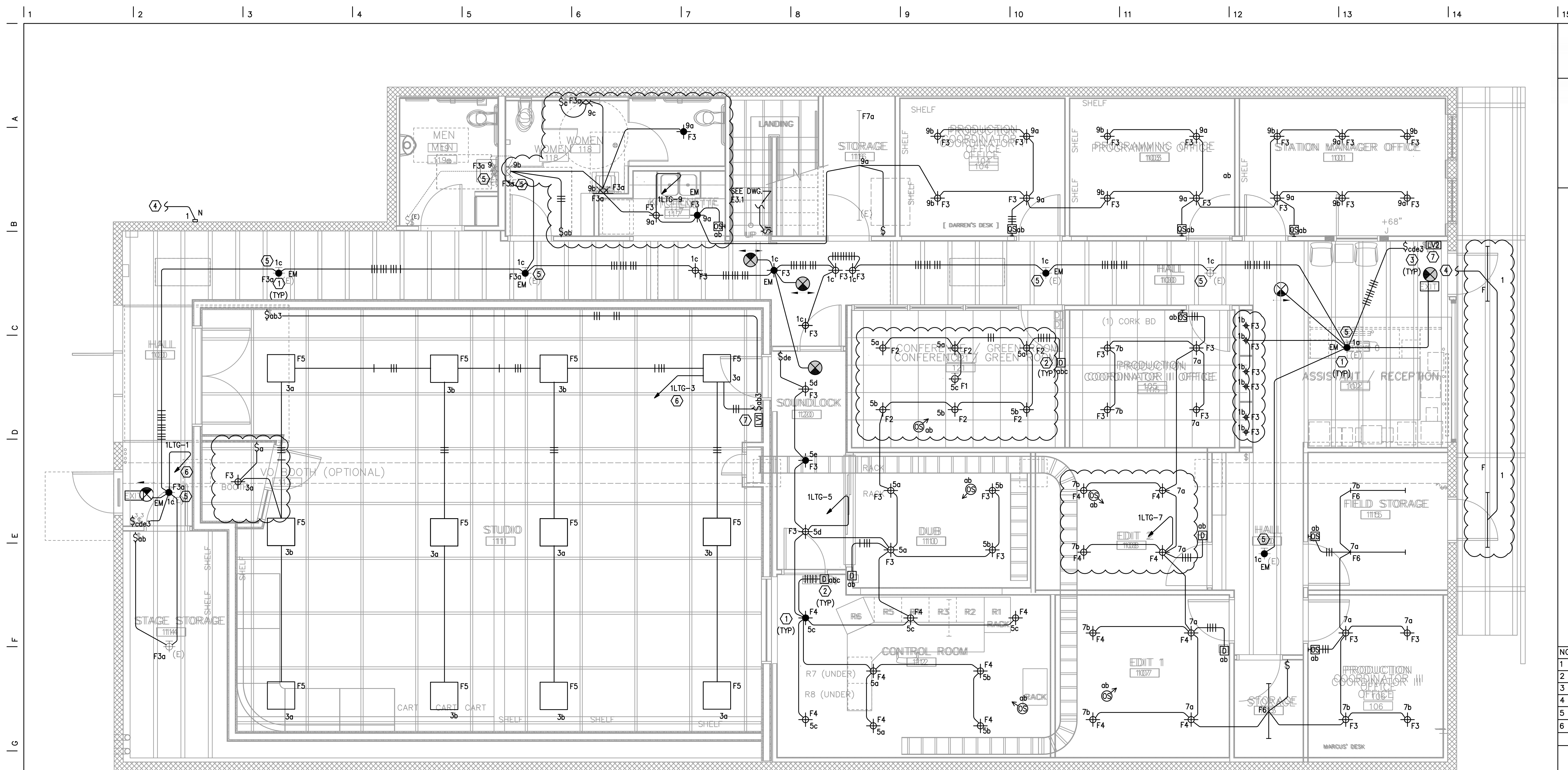
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**1ST FLOOR ELECTRICAL
POWER PLAN**

DRAWING	DATE	-	12-805 PROJECT NO.
	DRAWN	-	
	REVIEWED	-	
	SCALE	1/4"=1'-0"	
STAMP			E2.0 DRAWING NO.



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5	PC-COMMENTS		10.07.09				
6	PC-RESUBMIT		05.28.10	10	DELTA 9		05.27.11
				11	DELTA 10		06.06.11

GENERAL NOTES:	SPECIFIC NOTES
<ol style="list-style-type: none"> 1. ALL EXISTING JUNCTION BOXES, AND OTHER ELECTRICAL, TELE/DATA AND LIFE SAFETY DEVICES WHICH ARE IN CONFLICT WITH NEW ARCHITECTURAL OR ARE NOW LOCATED IN AN ACCESSIBLE SPACE DUE TO STRUCTURAL, HVAC OR ACOUSTICAL REVISIONS AS A RESULT FROM THIS BUILD-OUT, ARE TO BE RELOCATED TO AN ACCESSIBLE LOCATION. EXTEND CONDUIT AND WIRING REQUIRED FOR SUCH RELOCATION. 2. NO EQUIPMENT JUNCTION BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS (UNLESS ACCESS PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). LOCATE ANY EXISTING EQUIPMENT, JUNCTION BOXES, ETC., TO ACCESSIBLE CEILING AREAS. 3. VERIFY THE TYPE OF CEILING SYSTEM WITH GENERAL CONTRACTOR OR CEILING CONTRACTOR. PROVIDE FIXTURES WHICH ARE COMPATIBLE WITH THE CEILING SYSTEM AND INCLUDE ALL REQUIRED MOUNTING ACCESSORIES AND HARDWARE. 4. SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM THE SUSPENDED CEILING. 5. WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE. 6. ALL SWITCH LOCATION SHALL BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH IN. 7. ALL EXPOSED CONDUITS SHALL BE EMT AND SHALL BE RUN 90 DEGREES PERPENDICULAR AND PARALLEL TO CEILING STRUCTURE AND HUG TO UNDERSIDE OF SLAB. 	<ol style="list-style-type: none"> 8. CONTRACTOR SHALL PROVIDE ADDITIONAL EXIT SIGN(S) IF REQUIRED BY THE CITY FIRE MARSHALL INSPECTOR AT NO ADDITIONAL COST TO THE OWNER. 9. CIRCUIT EGRESS LIGHTS AND EXIT SIGNS AHEAD OF SWITCH, WHERE CONNECTED TO A SHARED LIGHTING CIRCUIT ON AUTO OR OCCUPANCY SENSOR. 10. EXCEPT FOR EGRESS AND EXIT SIGNS, CONNECT ALL LIGHTING CIRCUITS VIA EXISTING LIGHTING CONTROL PANEL LOCATED IN ELECTRICAL ROOM ON THIS FLOOR. PROVIDE ALL REQUIRED 277V AND 120V RELAYS. PROVIDE METAL BARRIER BETWEEN 277V AND 120V RELAYS. PROVIDE REQUIRED LOCAL OVERRIDE SWITCH PER BUILDING STANDARD. 11. ALL LIGHTING FIXTURES, SWITCHES, OCCUPANCY SENSORS AND LIFE SAFETY IF ANY, INCLUDING ASSOCIATED CONDUIT AND WIRES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. 12. THE CONTRACTOR SHALL ARRANGE FOR A LUTRON REPRESENTATIVE TO COME TO THE JOB SITE TO MEET WITH THE OWNER'S REPRESENTATIVES FOR RE-PROGRAMMING OF THE EXISTING LUTRON SYSTEM AND DIMMING PROGRAMMING. VERIFY EXACT OWNER SWITCHING STANDARDS PRIOR TO INSTALLATION. PROVIDE CONDUIT AND WIRES AS REQUIRED FOR COMPLETE INSTALLATION WITH OWNER'S SATISFACTION PRIOR TO INSTALLATION. ALSO, VERIFY SWITCHING SEQUENCE AND RE-USED AS REQUIRED. 13. DRAWING SHOWS CIRCUITING AND SWITCHING REQUIREMENTS AND FIXTURE TYPES ONLY. VERIFY EXACT LIGHTING FIXTURES AND STANDARD SWITCHING WITH ARCHITECT AND OWNER'S PRIOR TO INSTALLATION. ALSO VERIFY EXACT LIGHTING FIXTURES VOLTAGE AND FINISH PRIOR TO INSTALLATION.

- ① ALL LIGHTING FIXTURES SHOWN WITH "EM" ARE TO BE PROVIDED WITH EMERGENCY BALLAST AND 90 MINUTES BATTERY PACK WITH EXTRA HOT WIRE FOR PROPER CHARGING.
- ② PROVIDE A LUTRON NOVA T-STAR SERIES WALL BOX DIMMER WITH TYPE AND RATING BASED ON CONNECTED LOAD.
- ③ COORDINATE EXACT LOCATION OF WALL SWITCHES WITH ARCHITECT PRIOR TO ROUGH-IN.
- ④ CONTROL LIGHTS VIA PHOTO CEL.
- ⑤ RE-CONNECT EXISTING LIGHT FIXTURES TO CIRCUIT 1LTG-1. ELECTRICAL CONTRACTOR TO CHECK AND RE-BALANCE THE LOAD TO AVOID OVERLOADING. INTERCEPT AND EXTEND NEW CONDUIT AND WIRES AS REQUIRED FOR COMPLETE AND WORKABLE INSTALLATION.
- ⑥ ROUTE HOMERUN VIA NEW LIGHTING CONTROL PANEL "RCP", L&D BLUE BOX, IN MAIN ELECTRICAL ROOM. SEE LOW VOLTAGE WIRING DIAGRAM ON THIS SHEET.
- ⑦ PROVIDE LOW VOLTAGE MANUAL OVERRIDE SWITCH PER WIRING DIAGRAM AND SCHEDULE ON THIS SHEET. COORDINATE EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- ⑧ ALL WORK SHALL COMPLY WITH 2007 CALIFORNIA ENERGY CODE.

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
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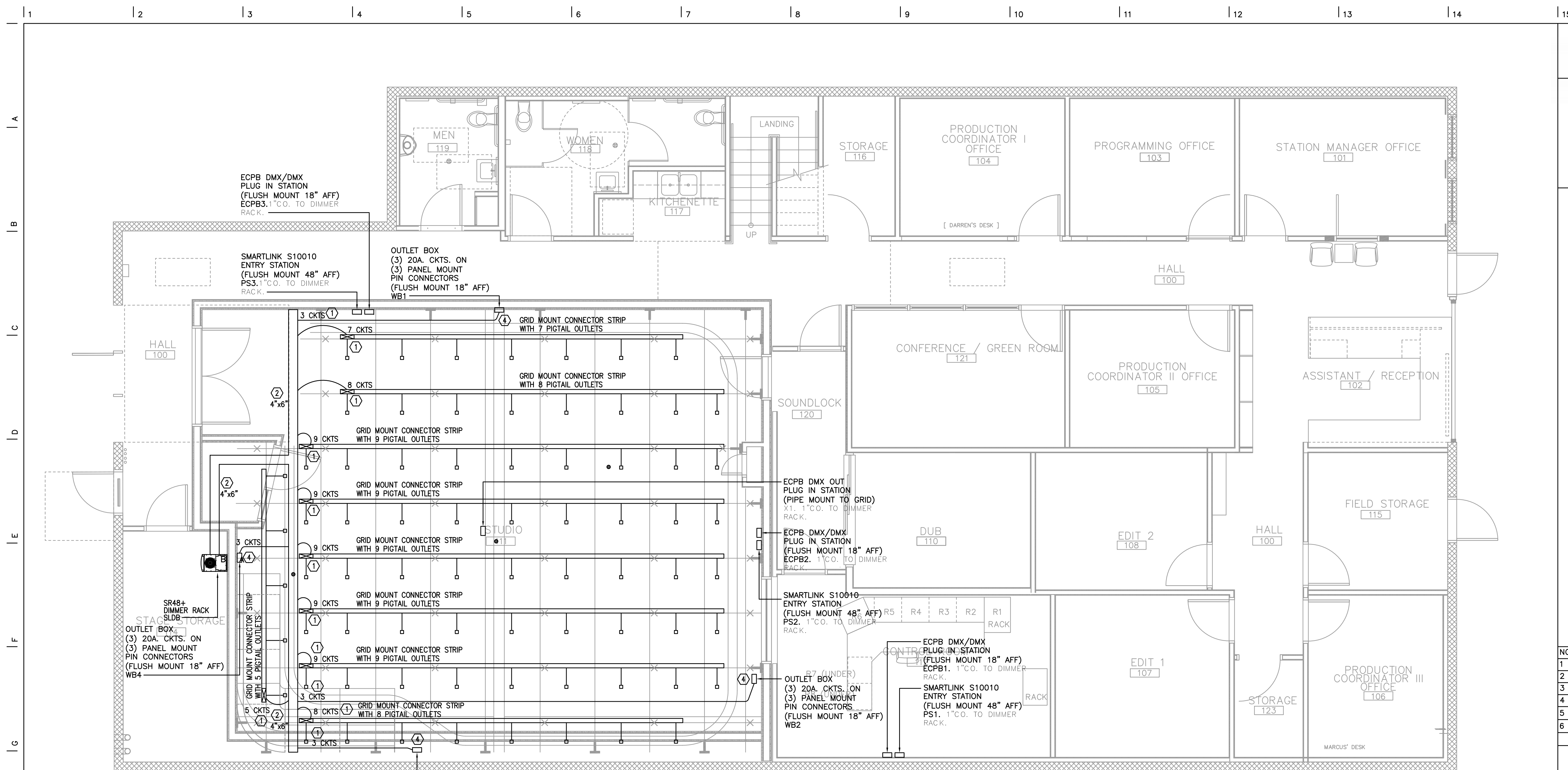
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PROJECT
1ST FLOOR ELECTRICAL LIGHTING PLAN

DRAWING	-	12-805
DATE	-	PROJECT NO.
DRAWN	-	E2.1
REVIEWED	-	
SCALE	1/4"=1'-0"	
STAMP	-	DRAWING NO.



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				11	DELTA 10		06.06.11

GENERAL NOTES:	SPECIFIC NOTES
<ol style="list-style-type: none"> ALL EXISTING JUNCTION BOXES, AND OTHER ELECTRICAL, TELE/DATA AND LIFE SAFETY DEVICES WHICH ARE IN CONFLICT WITH NEW ARCHITECTURAL OR ARE NOW LOCATED IN AN ACCESSIBLE SPACE DUE TO STRUCTURAL, HVAC OR ACOUSTICAL REVISIONS AS A RESULT FROM THIS BUILD-OUT, ARE TO BE RELOCATED TO AN ACCESSIBLE LOCATION. EXTEND CONDUIT AND WIRING REQUIRED FOR SUCH RELOCATION. NO EQUIPMENT JUNCTION BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS (UNLESS ACCESS PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). LOCATE ANY EXISTING EQUIPMENT, JUNCTION BOXES, ETC., TO ACCESSIBLE CEILING AREAS. VERIFY THE TYPE OF CEILING SYSTEM WITH GENERAL CONTRACTOR OR CEILING CONTRACTOR. PROVIDE FIXTURES WHICH ARE COMPATIBLE WITH THE CEILING SYSTEM AND INCLUDE ALL REQUIRED MOUNTING ACCESSORIES AND HARDWARE. SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM THE SUSPENDED CEILING. WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE. ALL SWITCH LOCATION SHALL BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH IN. ALL EXPOSED CONDUITS SHALL BE EMT AND SHALL BE RUN 90 DEGREES PERPENDICULAR AND PARALLEL TO CEILING STRUCTURE AND HUG TO UNDERSIDE OF SLAB. 	<ol style="list-style-type: none"> CONTRACTOR SHALL PROVIDE ADDITIONAL EXIT SIGN(S) IF REQUIRED BY THE CITY FIRE MARSHALL INSPECTOR AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL PROVIDE ADDITIONAL EXIT SIGN(S) IF REQUIRED BY THE CITY FIRE MARSHALL INSPECTOR AT NO ADDITIONAL COST TO THE OWNER. CIRCUIT EGRESS LIGHTS AND EXIT SIGNS AHEAD OF SWITCH, WHERE CONNECTED TO A SHARED LIGHTING CIRCUIT ON AUTO OR OCCUPANCY SENSOR. EXCEPT FOR EGRESS AND EXIT SIGNS, CONNECT ALL LIGHTING CIRCUITS VIA EXISTING LIGHTING CONTROL PANEL LOCATED IN ELECTRICAL ROOM ON THIS FLOOR. PROVIDE ALL REQUIRED 277V AND 120V RELAYS. PROVIDE METAL BARRIER BETWEEN 277V AND 120V RELAYS. PROVIDE REQUIRED LOCAL OVERRIDE SWITCH PER BUILDING STANDARD. ALL LIGHTING FIXTURES, SWITCHES, OCCUPANCY SENSORS AND LIFE SAFETY IF ANY, INCLUDING ASSOCIATED CONDUIT AND WIRES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL ARRANGE FOR A LUTRON REPRESENTATIVE TO COME TO THE JOB SITE TO MEET WITH THE OWNER'S REPRESENTATIVES FOR RE-PROGRAMMING OF THE EXISTING LUTRON SYSTEM AND DIMMING PROGRAMMING. VERIFY EXACT OWNER SWITCHING STANDARDS PRIOR TO INSTALLATION. PROVIDE CONDUIT AND WIRES AS REQUIRED FOR COMPLETE INSTALLATION WITH OWNER'S SATISFACTION PRIOR TO INSTALLATION. ALSO, VERIFY SWITCHING SEQUENCE AND RE-USED AS REQUIRED. DRAWING SHOWS CIRCUITING AND SWITCHING REQUIREMENTS AND FIXTURE TYPES ONLY. VERIFY EXACT LIGHTING FIXTURES AND STANDARD SWITCHING WITH ARCHITECT AND OWNER'S PRIOR TO INSTALLATION. ALSO VERIFY EXACT LIGHTING FIXTURES VOLTAGE AND FINISH PRIOR TO INSTALLATION.

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

SANTA MONICA CITY TV
1654 19TH STREET, SANTA MONICA, CA 90404

PROJECT
STUDIO/NEWSROOM LIGHTING PLAN

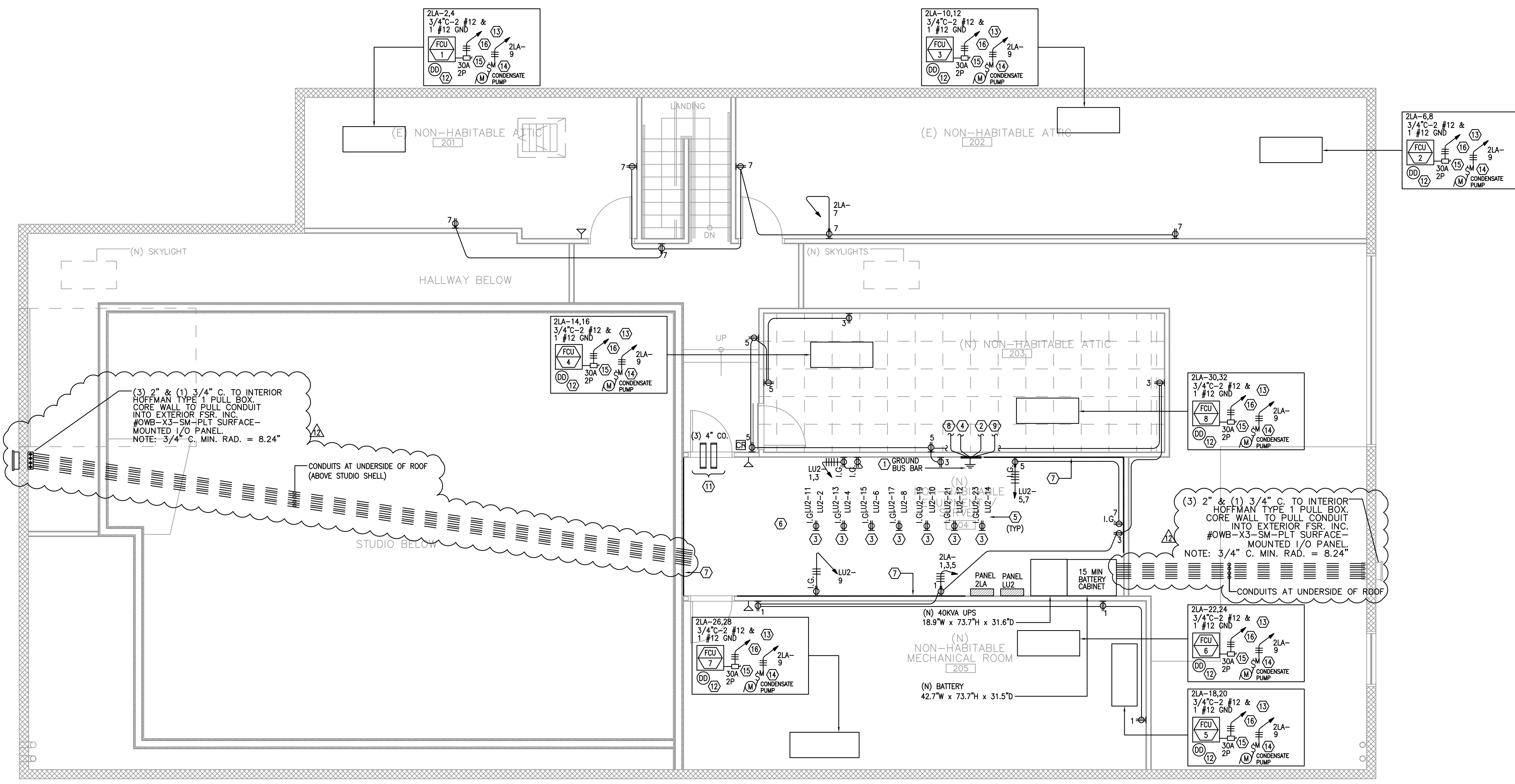
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15260 Ventura Blvd. Suite 1520,
Sherman Oaks, CA 91403
tel: 818.508.6300 fax: 818.508.7050
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3	PERMIT ISSUE		06.04.09	8	DELTA 8		04.01.11
4	PC-RESUBMIT		08.31.09	9	FOR CONSTRUCTION		04.25.11
5	PC-COMMENTS		10.07.09				
6	PC-RESUBMIT		05.28.10	10	DELTA 9		05.27.11
				11	DELTA 10		06.06.11

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

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PROJECT

2ND FLOOR ELECTRICAL
POWER PLAN

DRAWING	-	12-805
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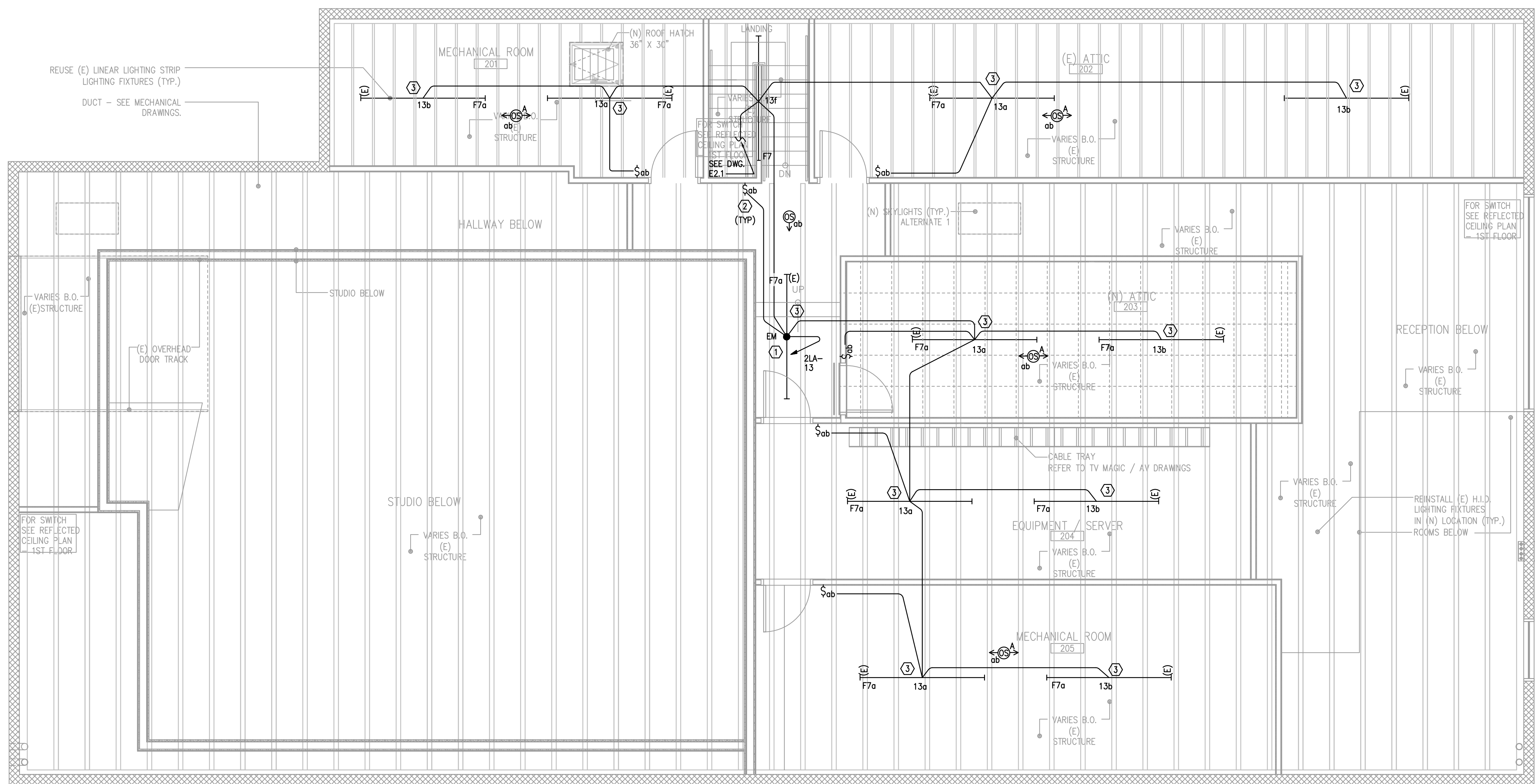
- GENERAL NOTES:**
- DRAWING SHOWS DESIRED ELECTRICAL LAYOUT WITH NEW LOCATION OF RECEPTACLES, HARD WIRED JUNCTION BOX, CONDUIT AND CIRCUITING REQUIREMENTS. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF DEVICES WITH OTHER SUBCONTRACTOR TO AVOID CONFLICT OF ACCESS TO THE DEVICES.
 - ALL JUNCTION BOXES SHALL BE SIZED PER NEC TABLE 370-16(a).
 - ALL PENETRATIONS INTO FIRE RATED WALL AND ALL FLOOR CORING SHALL BE FIRE SEALED X-RAYED FOR CORING. FOR ALL CONDUIT PENETRATION, SEE TYPICAL DETAIL ON ARCHITECTURAL DRAWINGS.
 - UNLESS OTHERWISE NOTED, ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTION(S) ARE NEW. SEE MECHANICAL DRAWINGS FOR ACTUAL LOCATION AND ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT.
 - NO EQUIPMENT, JUNCTION BOX, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS (UNLESS ACCESS PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). RELOCATE ANY EXISTING EQUIPMENT, JUNCTION BOX, ETC. TO ACCESSIBLE CEILING AREA.
 - TELE/DATA CONDUITS AND POWER CONDUITS IF RUN PARALLEL, SHALL HAVE NO LESS THAN 12" SEPARATION BETWEEN CONDUITS. ALL EXPOSED CONDUIT SHALL BE EMT AND SHALL BE RUN AS HIGH AS POSSIBLE, GROUP AND SPACED EVENLY WITH TYPICAL HANGERS.
 - FOR EQUIPMENT REQUIRING SPECIAL RECEPTACLE, PROVIDE RECEPTACLE WITH NEMA CONFIGURATION TO MATCH EQUIPMENT PLUG. VERIFY WITH EQUIPMENT MANUFACTURER.
 - PROVIDE 1/2" FROM EACH THERMOSTAT TO RESPECTIVE FOR AC UNIT OR EXHAUST FAN. REFER TO MECHANICAL DRAWINGS EXACT LOCATIONS AND REQUIREMENTS.

- FOR FIRE/LIFE SAFETY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO DUCT DETECTORS SHOWN ON HVAC AND FIRE PROTECTION PLANS, CONTRACTOR SHALL MAKE PROVISIONS FOR CONNECTION OF NEW DEVICES TO BUILDING FIRE LIFE/SAFETY SYSTEM AS OUTLINED ON SHEET E0.1 SERIES.
- CIRCUIT NUMBERS SHOWN ARE FOR REFERENCE ONLY. FIELD VERIFY EXACT EXISTING CIRCUIT NUMBERS. FOR NEW HOMERUNS USE OTHER AVAILABLE SPARE CIRCUITS IN THE PANEL FEEDING THIS AREA IF NECESSARY.
- PROVIDE AND INSTALL #10 WIRES FOR MORE THAN 100'-0" CIRCUIT HOMERUNS.

- SPECIFIC NOTES**
- PROVIDE 1/4" X 20" X 4" COPPER GROUND BAR WITH 1/4" DIAMETER HOLES AT 2" ON CENTER MOUNTED ON UNISTRUT. PROVIDE INSULATION BETWEEN GROUND BUS BAR AND UNISTRUT AND MOUNTED AT 8"-0" AFF. SEE ALSO SPECIFICATION AND GROUNDING CONNECTIONS. VERIFY EXACT LOCATION NOT TO INTERFERE OTHER UTILITIES. SEE TYPICAL DETAIL.
 - PROVIDE GROUNDING TO RACKS.
 - PROVIDE AND INSTALL L5-20R DEDICATED RECEPTACLE FED VIA CABLE TRAY. VERIFY EXACT LOCATION WITH IT CONSULTANT PRIOR TO ROUGH-IN.
 - PROVIDE AND INSTALL 1 #6 COPPER GROUND BONDING BETWEEN CABLE TRAY AND LOCAL GROUND BUS.
 - EQUIPMENT RACK BY OTHERS. SEE A/V & IT CONSULTANTS DRAWINGS FOR MORE INFORMATION.
 - CABLE TRAY BY OTHERS. SEE AV & IT CONSULTANTS DRAWINGS FOR MORE INFORMATION.
 - PROVIDE AND INSTALL 3/4" THICK X 4'-0" X 8'-0" FIRE RESISTANT PLYWOOD BACKBOARD AT 6" AFF. VERIFY EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN.
 - PROVIDE AND INSTALL 1 #6 COPPER GROUND BONDING TO STATIC DISSIPATING VCT FLOORING.
 - PROVIDE AND INSTALL 1 #6 COPPER FROM GROUND BUS BAR TO MAIN GROUND BUS BAR IN MAIN ELECTRICAL ROOM. CONNECT BUILDING STEEL AND COLD WATER PIPE PER NEC REQUIREMENTS.
 - EACH EQUIPMENT RACK, AC UNIT, ALL OTHER EQUIPMENT WITH METAL ENCLOSURE SHALL BE BONDED TO GROUND BUS BAR WITH 1 #6 COPPER GROUND.
 - PROVIDE AND INSTALL EMT CONDUIT SLEEVES (IF REQUIRED) WITH PULL WIRE, PLASTIC BUSHING AT BOTH ENDS AND CONDUIT SUPPORTS AND ACCESSORIES TO SUPPORT BACKBONE CABLES TO MEET NEC/GEC REQUIREMENTS. VERIFY EXACT ROUTING, CONDUITS QUANTITY AND EXACT LOCATION OF STUB-UP, STUB-IN, AND CONDUIT SLEEVES LOCATION WITH SYSTEM INSTALLER PRIOR TO TOUGH-IN.
 - PROVIDE DUCT DETECTORS PER MECHANICAL DRAWINGS AND INTERLOCK WITH FIRE ALARM SYSTEM TO SHUT DOWN THE UNIT UPON ACTIVATION OF SMOKE DETECTORS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION.
 - PROVIDE 1/2" CO TO CONTROLLING THERMOSTAT, LOCATED PER HVAC PLAN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
 - PROVIDE 120V 1-PHASE CONNECTION TO CONDENSATE PUMP EACH WITH MOTOR RATED TOGGLE SWITCH DISCONNECT. TEN (10) CONDENSATE PUMPS OR LESS PER CIRCUIT. COORDINATE WITH MECHANICAL FOR QUANTITY AND LOCATION PRIOR TO ROUGH-IN.
 - PROVIDE HOA (HAND/OFF AUTO) SWITCH LOCKABLE DISCONNECT. IT SHALL BE MOUNTED INDEPENDENT OF UNIT WITH ALL WORKING CLEARANCES. PROVIDE WITH LIFE SAFETY SHUTOFF CONTACT AS REQUIRED.
 - PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRES PER MANUFACTURER'S AND AS REQUIRED FOR COMPLETE AND WORKABLE INSTALLATION PER HVAC CONTROL WIRING REQUIREMENTS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH HVAC CONTRACTOR.



15260 Ventura Blvd. Suite 1520,
Sherman Oaks, CA 91403
tel: 818.508.6300 fax: 818.508.7050
www.arceng.net



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5	PC-COMMENTS		10.07.09	11	DELTA 10		06.06.11
6	PC-RESUBMIT		05.28.10				

KEYPLAN

nonzero\architecture
PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

SANTA MONICA CITY TV
1654 19TH STREET, SANTA MONICA, CA 90404

PROJECT
2ND FLOOR ELECTRICAL LIGHTING PLAN

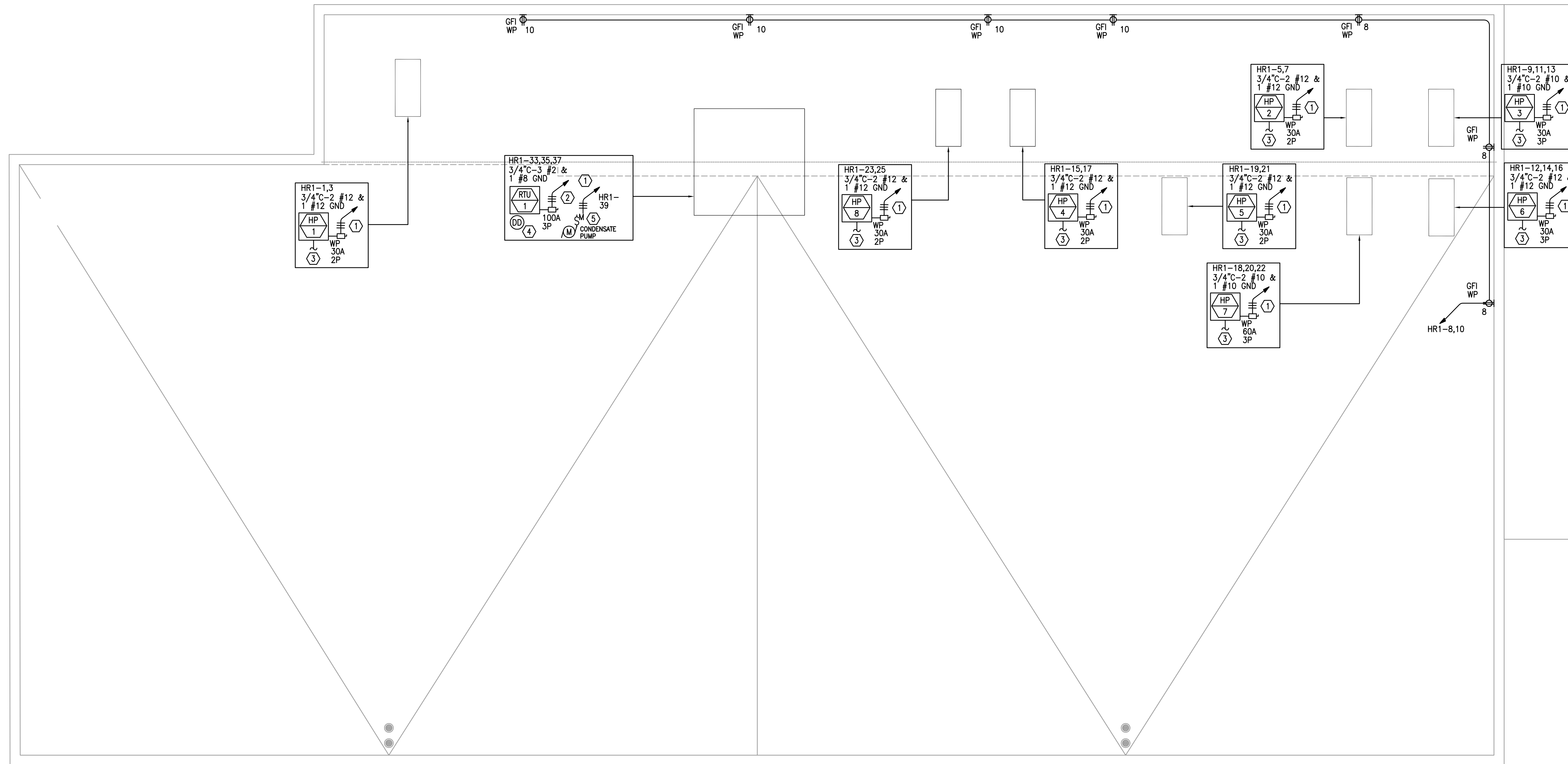
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SCALE	1/4"=1'-0"	
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- | GENERAL NOTES: | SPECIFIC NOTES |
|--|---|
| <ol style="list-style-type: none"> 1. ALL EXISTING JUNCTION BOXES, AND OTHER ELECTRICAL, TELE/DATA AND LIFE SAFETY DEVICES WHICH ARE IN CONFLICT WITH NEW ARCHITECTURAL OR ARE NOW LOCATED IN AN ACCESSIBLE SPACE DUE TO STRUCTURAL, HVAC OR ACOUSTICAL REVISIONS AS A RESULT FROM THIS BUILD-OUT, ARE TO BE RELOCATED TO AN ACCESSIBLE LOCATION. EXTEND CONDUIT AND WIRING REQUIRED FOR SUCH RELOCATION. 2. NO EQUIPMENT JUNCTION BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS (UNLESS ACCESS PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). LOCATE ANY EXISTING EQUIPMENT, JUNCTION BOXES, ETC., TO ACCESSIBLE CEILING AREAS. 3. VERIFY THE TYPE OF CEILING SYSTEM WITH GENERAL CONTRACTOR OR CEILING CONTRACTOR. PROVIDE FIXTURES WHICH ARE COMPATIBLE WITH THE CEILING SYSTEM AND INCLUDE ALL REQUIRED MOUNTING ACCESSORIES AND HARDWARE. 4. SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM THE SUSPENDED CEILING. 5. WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE. 6. ALL SWITCH LOCATION SHALL BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH IN. 7. ALL EXPOSED CONDUITS SHALL BE EMT AND SHALL BE RUN 90 DEGREES PERPENDICULAR AND PARALLEL TO CEILING STRUCTURE AND HUG TO UNDERSIDE OF SLAB. | <ol style="list-style-type: none"> 8. CONTRACTOR SHALL PROVIDE ADDITIONAL EXIT SIGN(S) IF REQUIRED BY THE CITY FIRE MARSHALL INSPECTOR AT NO ADDITIONAL COST TO THE OWNER. 9. CIRCUIT EGRESS LIGHTS AND EXIT SIGNS AHEAD OF SWITCH, WHERE CONNECTED TO A SHARED LIGHTING CIRCUIT ON AUTO OR OCCUPANCY SENSOR. 10. EXCEPT FOR EGRESS AND EXIT SIGNS, CONNECT ALL LIGHTING CIRCUITS VIA EXISTING LIGHTING CONTROL PANEL LOCATED IN ELECTRICAL ROOM ON THIS FLOOR. PROVIDE ALL REQUIRED 277V AND 120V RELAYS. PROVIDE METAL BARRIER BETWEEN 277V AND 120V RELAYS. PROVIDE REQUIRED LOCAL OVERRIDE SWITCH PER BUILDING STANDARD. 11. ALL LIGHTING FIXTURES, SWITCHES, OCCUPANCY SENSORS AND LIFE SAFETY IF ANY, INCLUDING ASSOCIATED CONDUIT AND WIRES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. 12. THE CONTRACTOR SHALL ARRANGE FOR A LUTRON REPRESENTATIVE TO COME TO THE JOB SITE TO MEET WITH THE OWNER'S REPRESENTATIVES FOR RE-PROGRAMMING OF THE EXISTING LUTRON SYSTEM AND DIMMING PROGRAMMING, VERIFY EXACT OWNER SWITCHING STANDARDS PRIOR TO INSTALLATION. PROVIDE CONDUIT AND WIRES AS REQUIRED FOR COMPLETE INSTALLATION WITH OWNER'S SATISFACTION PRIOR TO INSTALLATION. ALSO, VERIFY SWITCHING SEQUENCE AND RE-USED AS REQUIRED. 13. DRAWING SHOWS CIRCUITING AND SWITCHING REQUIREMENTS AND FIXTURE TYPES ONLY. VERIFY EXACT LIGHTING FIXTURES AND STANDARD SWITCHING WITH ARCHITECT AND OWNER'S PRIOR TO INSTALLATION. ALSO VERIFY EXACT LIGHTING FIXTURES VOLTAGE AND FINISH PRIOR TO INSTALLATION. |

- ① ALL LIGHTING FIXTURES SHOWN WITH "EM" ARE TO BE PROVIDED WITH EMERGENCY BALLAST AND 90 MINUTES BATTERY PACK WITH EXTRA HOT WIRE FOR PROPER CHARGING.
- ② COORDINATE EXACT LOCATION OF WALL SWITCHES WITH ARCHITECT PRIOR TO ROUGH-IN.
- ③ RE-CONNECT EXISTING LIGHT FIXTURES TO CIRCUIT 2LA-13. ELECTRICAL CONTRACTOR TO CHECK AND RE-BALANCE THE LOAD TO AVOID OVERLOADING. INTERCEPT AND EXTEND NEW CONDUIT AND WIRES AS REQUIRED FOR COMPLETE AND WORKABLE INSTALLATION.
- ④ ALL WORK SHALL COMPLY WITH 2007 CALIFORNIA ENERGY CODE.



15260 Ventura Blvd. Suite 1520,
Sherman Oaks, CA 91403
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KEYPLAN

nonzero\architecture

PETER GRUENEISEN, FAIA

1528 B CLOVERFIELD BOULEVARD
SANTA MONICA CALIFORNIA 90404
310 453 8000 telephone
310 453 8001 fax
info@bauton.com

www.nonzeroarch.com
www.bauton.com

SANTA MONICA CITY TV
1654 19TH STREET, SANTA MONICA, CA 90404

PROJECT

ROOF PLAN

DRAWING

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DATE		PROJECT NO.
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GENERAL NOTES:

- DRAWING SHOWS FINAL DESIRED ELECTRICAL LAYOUT WITH NEW LOCATION OF RECEPTACLES, OUTLETS, CONDUIT AND CIRCUITING REQUIREMENTS. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF ELECTRICAL DEVICES WITH OTHER SUBCONTRACTORS TO AVOID CONFLICT OF ACCESS TO THE DEVICES.
- PROVIDE FIRE SEALANTS TO ALL CORE DRILLED FLOORS OR WALL CONDUIT PENETRATIONS.
- ALL JUNCTION BOXES SHALL BE SIZED PER NEC TABLE 314-16a.
- FOR EXACT LOCATION OF NEW MECHANICAL EQUIPMENT, REFER TO HVAC PLANS.
- FROM EACH NEW HVACUNIT, PROVIDE 1/2" CONDUIT AND EXTEND TO CONTROLLING THERMOSTAT, PROVIDED AND LOCATED PER HVAC PLANS.
- FOR FIRE/LIFE SAFETY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO DUCT DETECTORS SHOWN ON HVAC AND FIRE PROTECTION PLANS, CONTRACTOR SHALL MAKE PROVISIONS FOR CONNECTION OF NEW DEVICES TO BUILDING FIRE LIFE/SAFETY SYSTEM.
- ALL OUTLETS SHALL HAVE A PERMANENT LABEL SHOWING PANEL AND BRANCH CIRCUIT.

SPECIFIC NOTES

- PROVIDE 1/2" CO TO CONTROLLING THERMOSTAT, LOCATED PER HVAC PLAN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL WEATHERPROOF, NEMA-3R ENCLOSURE MOTOR RATED DISCONNECT SWITCH, INDEPENDENT OF UNIT INSTALLED WITH ALL WORKING CLEARANCES. SEE VENDOR EQUIPMENT SCHEDULE FOR RECOMMENDATION PRIOR TO ORDERING.
- PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRES PER MANUFACTURER'S AND AS REQUIRED FOR COMPLETE AND WORKABLE INSTALLATION PER HVAC CONTROL WIRING REQUIREMENTS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH HVAC CONTRACTOR.
- PROVIDE DUCT DETECTORS PER MECHANICAL DRAWINGS AND INTERLOCK WITH FIRE ALARM SYSTEM TO SHUT DOWN THE UNIT UPON ACTIVATION OF SMOKE DETECTORS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION.
- PROVIDE 120V 1-PHASE CONNECTION TO CONDENSATE PUMP EACH WITH MOTOR RATED TOGGLE SWITCH DISCONNECT. TEN (10) CONDENSATE PUMPS OR LESS PER CIRCUIT. COORDINATE WITH MECHANICAL FOR QUANTITY AND LOCATION PRIOR TO ROUGH-IN.