

FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG NO.	LAMP			BALLAST	LENS	REMARKS
		MFR	TYPE	WATTS			
A/B	CREE LIGHTING LR4-12VLT6M/R/C6	INCL	LED 2700K	12	ELECTRONIC DRIVER	—	6" LED DOWNLIGHT
B1/B2	SONNEMAN H1513 1W 41315TD(LAMP)	TCP TRU DIM	CFL 2700K	15	ELECTRONIC	—	BATHROOM SCONCE
C1/C2	FORECAST LIGHTING LISA F614036 1W 41315TD(LAMP)	TCP TRU DIM	CFL 2700K	2/15	ELECTRONIC	OPAL GLASS	CEILING MOUNT
C2/C3	FORECAST LIGHTING LISA F614136 1W 41315TD(LAMP)	TCP TRU DIM	CFL 2700K	3/15	ELECTRONIC	OPAL GLASS	CEILING MOUNT
D	ACCESS LIGHTING - CASO B20345-SAT	INCL	FIBRIT 2700K	13	ELECTRONIC	ACRYLIC	EXTERIOR SCONCE MOUNT AT +80" AFF
F	RAB LIGHTING WFL2ED26Y	INCL	LED 3000K	26	ELECTRONIC DIMMER	NONE	WALL PACK
G	ANTARES T5 GEMINIX	INCL	T5 2700K	8/FL	ELECTRONIC	NONE	61. 61534LC/27K 62. 61534LC/27K 63. 61534LC/27K 64. 61534LC/27K
H1/H2	REJUVENATION SFERA 16 A1435-BA-40-6U24-B1241WH 1W 331135P	TCP SPRING	CFL R13 2700K	13	ELECTRONIC	GLASS	DAMP LISTED PENDANT
H2/H3	REJUVENATION SFERA 16 A1435-BA-12	TCP SPRING	CFL R13 2700K	13	ELECTRONIC	GLASS	DAMP LISTED PENDANT
J	LEVITON 003-04860-OBL	INCL	FB 2700K	13	ELECTRONIC	NONE	KEYLESS BI-PIN COMPACT FLUORESCENT LAMP HOLDER
K1/K2	GLAREBUSTER 413-2000	INCL	F26TRT 2700K	26	ELECTRONIC	GLASS	POLE MOUNT LIGHT, 10'
K2/K3	GLAREBUSTER 413-2000	INCL	F26TRT 2700K	2/26	ELECTRONIC	GLASS	DOUBLE POLE MOUNT LIGHT, 10'
M	WELL MADE PRODUCTS 2045-2482T5	SYLVANIA	F28T5 2700K	4/28	ELECTRONIC	SYMMETRIC REFLECTOR	CHAIN HUNG INDIRECT
N	ELEMENTAL LED EL-HDMFR685P/EL12VINDRV/EL-R6B-WIFI	INCL	LED 2700K	46	ELECTRONIC DRIVER	NONE	W/ R6B LED STRIP LIGHT W/ WIFI COLOR CONTROL
P	PROGRESS LIGHTING P6824	INCL	LED 2700K	5	ELECTRONIC DRIVER	ACRYLIC	RECESSED STEP LIGHT
Q	ELEMENTAL LED EL-3WVPMOD-27K/EL-MINEADT12V2A/EL-1M6SMDADPT/EL-NFSPLIT-5WAY/EL-1M6NFDIY/166A WHITE LAMP WIRE	INCL	LED 2700K	5	NONE	NONE	LED MODULE W/ 12V ADAPTER, CABLE, SPLITTER CONNECTORS AND WIRE

ELECTRICAL SERVICE LOAD CALCULATION

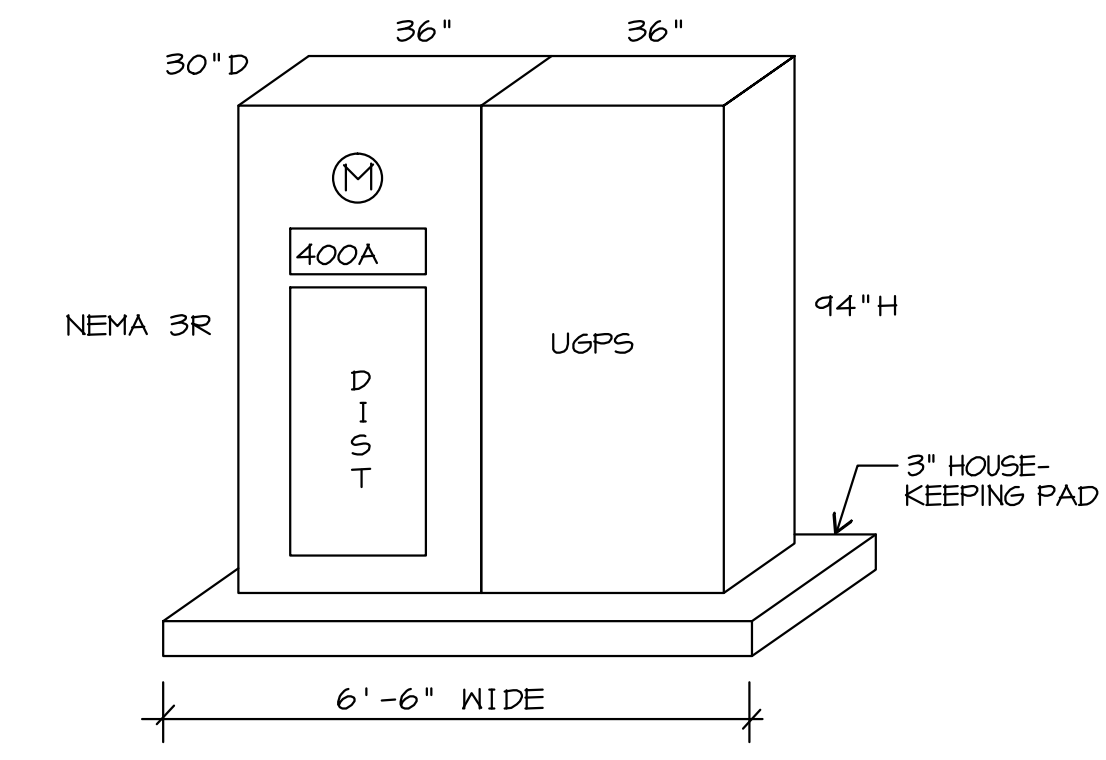
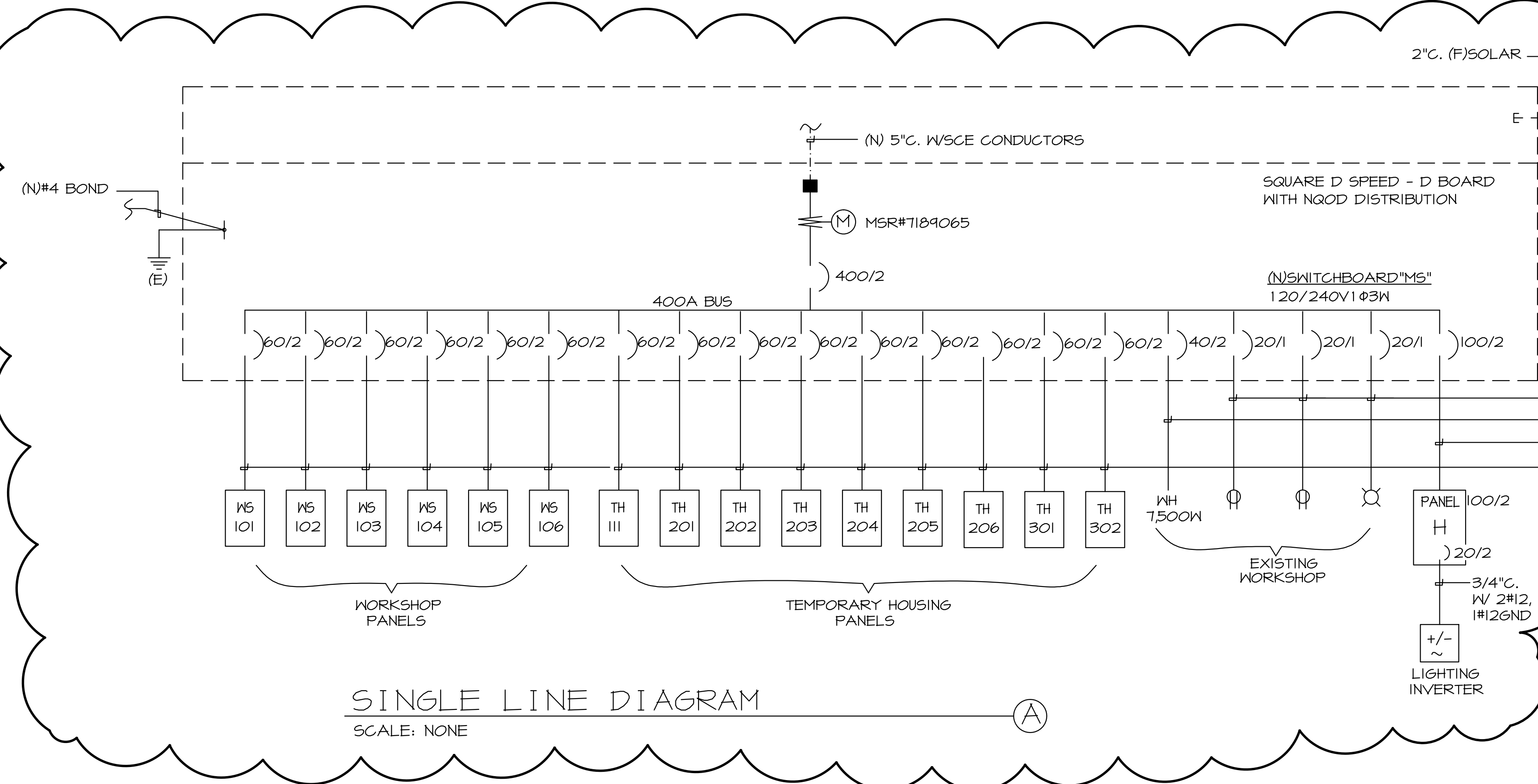
$$\begin{aligned}
 1. \quad & 9 \times 4,200VA = 37,800 \\
 & \text{1st } 3,000VA @ 100\% = 3,000 \\
 & 37,800 \times .35 = 13,230 \\
 & \text{NET LOAD: } 16,230VA \\
 & \text{RANGE LOAD, 9 RANGES: } 24,000VA \\
 & \text{NET LOAD: } 40,230VA \\
 \\
 2. \quad & \text{WATER HEATER} = 7,500VA \\
 3. \quad & \text{EXISTING WORKSHOP} = 2,000VA \\
 4. \quad & 6 \text{ WORKSHOPS @ } 4,412VA = 26,832VA \\
 4. \quad & \text{PANEL "H"} = 14,820VA \\
 \text{TOTAL} = & \underline{\underline{91,882VA}} \\
 & \text{AT } 120/240V \cdot 3W = 380A
 \end{aligned}$$

GENERAL NOTES

- THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2010 CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
- CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
- ALL ELECTRICAL EQUIPMENT SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL. EQUIPMENT SHALL BE LISTED PER UL 1193 AND ITH.
- CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
- FURNISH DISCONNECT SWITCHES AT REMOTE EQUIPMENT.
- ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
- GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
- ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GREEN GROUND WIRE.
- THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL CONDUCTORS SHALL BE IN CONDUIT.
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE THIN/THINW INSULATION.
- COORDINATE WITH SERVING ELECTRICAL UTILITY COMPANY AND MAKE PROVISIONS FOR INTERCONNECTION OF PV SYSTEM.
- INSTALLATION SHALL COMPLY WITH CEC #:
 - 6904 PV SYSTEM INSTALLATION
 - 6909 PV WIRING METHODS
 - 6909 PV SYSTEM CONNECTORS
 - 6904 PV SYSTEM EQUIPMENT GROUNDING CONDUCTOR
 - 6909 DC PV POWER SOURCE MARKING
- ALL LIGHT FIXTURE FINISHES TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD FINISHES. VERIFY WITH ARCHITECT PRIOR TO ORDER.
- ALL DEVICES TO BE DIVA/DECORA, WHITE FINISH, WITH STAINLESS STEEL COVER PLATES, TYPICAL, UNO.
- ALL CONTROLS, SWITCHES AND RECEPTACLES SHALL CONFORM WITH REQUIREMENTS PER:
 - CEC 117.6 (COMMERCIAL)
 - CEC 136A1 (RESIDENTIAL)
- ALL WALL FIXTURES SHALL BE 4" OR LESS PROJECTION IF MOUNTED LESS THAN 80" AFF. (CEC 139B.2)

SYMBOLS

---	CONDUIT EXISTING
---	CONDUIT CONCEALED IN WALL OR CEILING
---	CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE
---	CONDUIT STUBBED OUT AND CAPPED
---	CONDUIT TURNED UP
---	CONDUIT TURNED DOWN
---	HATCH MARKS INDICATE NO. OF #2 WIRES IN CODE SIZED CONDUIT (3) MAX. IN 1/2" C., (5) MAX. IN 3/4" C., (8) MAX. IN 1", NO MARKS = 2#2
---	HOME RUN LETTER INDICATES PANEL NUMBER(S) INDICATES CIRCUIT(S)
---	SAW CUT
---	GROUND CONNECTION
---	DISTRIBUTION SWITCHBOARD OR PANEL
---	PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH
---	SIGNAL TERMINAL CABINET, SURFACE & FLUSH
---	FLUORESCENT FIXTURE
---	OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT.
---	SURFACE FIXTURE ON FLUSH OUTLET.
---	RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING
---	EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT.
---	LOW LEVEL EXIT SIGN, 48" AFF, 4" FROM DOOR JAMB
---	LIGHT FIXTURE DESIGNATION LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE.
---	MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.
---	SPECIAL RECEPTACLE - SEE PLAN
---	METER
---	FLUSH FLOOR RECEPTACLE
---	RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R #8" UNO (CENTERLINE)
---	DUPLEX RECEPTACLE MTD. ABOVE BACKSPLASH (+42" CENTERLINE)
---	DUPLEX RECEPTACLE W/LOWER HALF SWITCHED
---	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
---	DOUBLE DUPLEX RECEPTACLE
---	CEILING RECEPTACLE
---	RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R #8" UNO (CENTERLINE)
---	JUNCTION BOX 4" SQUARE, 1-1/2" DEEP UNO.
---	THERMOSTAT F.B.O. +48" (MAX)
---	MOTOR, NO. INDICATES HORSEPOWER
---	CLOCK OUTLET +7-6" UNO.
---	DISCONNECT SWITCH, NON-FUSED
---	DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED
---	COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES
---	MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE
---	DIMMER W/INTEGRAL "ON-OFF" SW. +42" UNO (CENTERLINE)
---	PUSHBUTTON +42" UNO (CENTERLINE)
---	PHOTOCELL
---	SMOKE DETECTOR
---	TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETTED OPENING +18" UNO (CENTERLINE)
---	CABLE TV OUTLET +18" UNO (CENTERLINE)
---	MOTION SENSOR
---	EXISTING SWITCH
---	SINGLE POLE SWITCH
---	DOUBLE POLE SWITCH
---	THREE WAY SWITCH
---	SWITCH W/PILOT LT.
---	MANUAL MOTOR STARTER
---	FACP
---	GROUND FAULT CIRCUIT INTERRUPTING
---	LABOR SAVING TANDEM
---	MAIN LUGS ONLY
---	WITH
---	CONDUIT ONLY
---	W.P.
---	WEATHERPROOF
---	F.B.O.
---	FURNISHED BY OTHERS, INSTALL & CONNECT UNLESS NOTED OTHERWISE
---	UNO.
---	NATIONAL ELECTRICAL CODE
---	N.I.C.
---	NOT IN CONTRACT
---	EXISTING
---	(E)
---	NEW
---	REMOVE
---	(R)
---	RELOCATE
---	(RL)
---	S/M
---	SURFACE MOUNT
---	U/G
---	UNDERGROUND
---	CWP
---	COLD WATER PIPE
---	AFF
---	ABOVE FINISHED FLOOR
---	HACR
---	HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER
---	N.L.
---	NIGHT LIGHT



MAIN SWITCHBOARD "MS" ELEVATION
SCALE: NONE

(F) PV SYSTEM CALCULATIONS (FOR BIDDING PURPOSES ONLY)

DC SIDE
 MAXIMUM DC SYSTEM VOLTAGE:
 371 x 118 x 11 = 481 Vdc
 MAXIMUM DC SOURCE CIRCUIT CURRENT:
 80Adc x 125% x 125% = 125Adc
 MAXIMUM DC OUTPUT CIRCUIT CURRENT:
 80Adc x 3 x 125% x 125% = 375Adc

AC SIDE
 MAXIMUM AC SYSTEM VOLTAGE:
 240Vac

PHOTOVOLTAIC SYSTEM UNDER SEPERATE PERMIT

MODULE SPECS:
 NOTE: 235
 UL 1129
 DIMENSIONS: 48" x 24" x 1.57"
 WEIGHT: 43.71lbs
 STC RATED OUTPUT - 235 watts

VOC - 37V
 VMP - 29.4V
 ISC - 8.54A
 IMP - 8.0A

DC SIDE PV SYSTEM VALUES:

SATCON 25 KW INVERTER
 INPUT VOLTAGE - 240 Vdc
 MAXIMUM Vdc - 600Vdc
 MAXIMUM INPUT CURRENT - 104Adc
 MAXIMUM DC POWER - 25 KW
 MAXIMUM SHORT CIRCUIT CURRENT - 2705Adc
 MAXIMUM PERMITTED SYSTEM VOLTAGE - 600Vdc

DC SIDE PV SYSTEM VALUES:

MAXIMUM OUTPUT POWER - 25 KW
 NOMINAL OUTPUT POWER - 25 KW
 OPERATING RANGE, UTILITY VOLTAGE - 12% +/- 10% @ 240Vac
 MAXIMUM CONTINUOUS OUTPUT CURRENT - 3%25 Acc @ 240Vac
 FREQUENCY OPERATING RANGE - 60 Hz / 59.9 - 60.5 Hz
 MAXIMUM EFFICIENCY - 96%

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SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY
 513 GARDEN STREET
 SANTA BARBARA, CA 93101

REVISIONS:
 06/12/13 REVISION 1
 11/08/13 REVISION 2
 02/10/14 REVISION 3
 04/08/14 PLAN CHECK REVISION

DATE: 04/10/14
 PHASE: BID SET
 SCALE:

GENERAL NOTES, SYMBOLS, SCHEDULES & DETAILS

E1.0

NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.

CERTIFICATE OF COMPLIANCE (Page 1 of 4) OLTG-1C
 Project Name: SANTA BARBARA CENTER FOR ART AND TECH. Date: 6-13-13
 Project Address: 513 GARDEN ST. SANTA BARBARA, CA. 93101 Total Hardscape Illuminated Area: 11350

General Information
 Phase of Construction: New Construction Addition Alteration
Documentation Author's Declaration Statement
 I certify that this Certificate of Compliance documentation is accurate and complete.

Name: JOHN MALONEY P.E. Signature: _____
 Company: JMPE Date: 6-13-13
 Address: 156 W. ALAMAR AVE. IF Applicable CEA # CEPE # Phone: 546-9216
 City/State/Zip: SANTA BARBARA, CA. 93105

Principal Lighting Designer's Declaration Statement
 I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design.
 This Certificate of Compliance identifies the lighting features and performance specifications required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations.
 The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: JOHN MALONEY P.E. Signature: _____
 Company: JMPE Phone: 546-9216
 Address: 156 W. ALAMAR AVE. License # EI3083
 City/State/Zip: SANTA BARBARA, CA. 93105 Date: 06-15

Principal Lighting Designer's Declaration
 I certify that this Certificate of Compliance documentation is accurate and complete, and accounts for all outdoor lighting power, including building mounted, pole mounted, as well as all other outdoor lighting designed for the site, and that additional Lighting Power Allowances for Specific Applications or Additional Lighting Power Allowances for Ordinance Requirements have not been counted more than one time for the same area, in accordance with Section 147 of the Standards.

Outdoor Lighting Mandatory Measures
 Indicate location on building plans of Mandatory Measures Note Block: EI-2

LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)
 For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

OLTG-1C Certificate of Compliance. All 4 pages required on plans for all submittals.
 OLTG-2C (Page 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Frontage, or Ornamental Lighting. Optional on plans.
 OLTG-2C (Page 2 of 3) Lighting Wattage Allowances for Per Application or Per Area. Optional on plans.
 OLTG-2C (Page 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.

2008 Nonresidential Compliance Forms

July 2010

CERTIFICATE OF COMPLIANCE (Page 2 of 4) OLTG-1C
 COMPLIANCE FIXTURE / LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST
 Project Name: SANTA BARBARA CENTER FOR ART AND TECH. Date: 6-13-13

INSTALLATION CERTIFICATE, OLTG-INST (Retain a copy and verify form is completed and signed.) Field Inspection
CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.) Field Inspection

Luminaire Schedule		Installed Watts							
A	B	C	D	E	F	G	H	I	
Name Or Item Tag	Luminaire Description ¹ (i.e.: 1 lamp pole-top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire	Special Features	Default from NA-8	How wattage was determined	Number of Luminaires	Installed Watts (D x E x F)	Field Inspector ²
D	SCONCE	F	15				32	480	
F	SCONCE	F	30				1	30	
HIH2	PENDANT	F	15				2	30	
K1	POLE MOUNT	F	30				4	120	
K2	POLE MOUNT	F	60				4	240	
N	LED ACCENT	N	2/FT				50	100	
P	STEP LIGHT	F	0				12	0	
Enter total into OLTG-1C; Page 4 of 4; Row H; Total Installed Watts: 1096								1096	

¹ Type of luminaire (i.e.: post top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e.: fluorescent, incandescent, HID); ballast type (i.e.: electronic or magnetic); number of lamps and number of ballasts per luminaire. For incandescent luminaires, the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire, NOT the wattage of the lamp (bulb) used, in accordance with Section 130(d) or e).
² If fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES (See Page 2 of 4 of OLTG-1C) Field Inspection
 Name or Symbol Description of exempt luminaires in accordance with §147

MANDATORY CONTROLS (See Page 2 of 4 of OLTG-1C) Field Inspection

#	Description	Location	#	Description	Location

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C)
 The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Field Inspector Notes or Discrepancies:

2008 Nonresidential Compliance Forms

July 2010

CERTIFICATE OF COMPLIANCE (Page 3 of 4) OLTG-1C
 Project Name: SANTA BARBARA CENTER FOR ART AND TECH. Date: 6-13-13

A. OUTDOOR LIGHTING ZONE
 OUTDOOR LIGHTING ZONE: OLZ 1 OLZ 2 OLZ 3 OLZ 4
 Is the Outdoor Lighting Zone: Default in accordance with §10-114, or Amended by JHA
 Complete the information below if the default Outdoor Lighting Zone has been amended by the local jurisdiction having authority (JHA):
 The site is a government designated park, recreation area, wildlife preserve, or portion thereof, and has been designated as L22 or L23, in accordance with Table 10-114-A, because the site is contained within such as zone.
 The local jurisdiction having authority has officially adopted a change to the State Default Lighting Zone and has notified the Energy Commission by providing the materials required in § 10-114(d) to the Executive Director.
 The adopted change is posted on the Energy Commission website.

B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS
 Are additional lighting power allowances for ordinance in Table 147-C used? Yes No
 Complete the information below if additional lighting power allowances for ordinance requirements are used:
 The local jurisdiction having authority has officially adopted specific outdoor light levels, which are expressed as average or minimum footcandle levels, by following a public process that allowed for formal public notification, review, and comment about the proposed change.
 The local jurisdiction having authority which adopted specific outdoor light levels and has notified the Commission by providing the following materials required §10-114(f) to the Executive Director.

C. ACCEPTANCE FORMS
 Required Acceptance Tests
Designer:
 This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system, OLTG-2A. The designer is required to check the acceptance tests and list all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a test, list the different lighting and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of Luminaire controlled.

Enforcement Agency:
 Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The OLTG-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the OLTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Equipment Requiring Testing	Luminaires Controlled			OLTG-2A ¹ Outdoor Lighting Acceptance Tests
	Description	Number of Luminaire Controls	Location	

¹ Insert: OMS for Outdoor Motion Sensor; OLSF for Outdoor Lighting Shutoff Controls; OP for Outdoor Photocontrol; ATS for Astronomical Time Switch; and, STS for Standard (non-astronomical) Time Switch acceptance.

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July 2010

CERTIFICATE OF COMPLIANCE (Page 4 of 4) OLTG-1C
 Project Name: SANTA BARBARA CENTER FOR ART AND TECH. Date: 6-13-13

ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3)	Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3)	2444
B	Specific application lighting wattage allowance per unit length (from OLTG-2C Page 1 of 3)	
C	Specific application wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3)	
D	Specific application wattage allowance per application (from OLTG-2C Page 2 of 3)	
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3)	
F	Additional lighting power allowance for ordinance requirements (from OLTG-2C Page 3 of 3)	
G	Total Allowed Wattage = Sum of rows A through F:	
H	Total Installed Watts (from Luminaire Schedule, (from OLTG-1C Page 2 of 4)	1096

Provided that the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances taken from OLTG-2C Pages 1 through 3, complies if Installed Wattage in row H is less than or equal to the Total Installed Wattage in row G Yes No

NOTES:

2008 Nonresidential Compliance Forms

July 2010

OUTDOOR LIGHTING WORKSHEET (Page 1 of 3) OLTG-2C
 Project Name: SANTA BARBARA CENTER FOR ART AND TECH. Date: 6-13-13

A. LIGHTING POWER ALLOWANCE FOR GENERAL HARDSCAPE

AREA WATTAGE ALLOWANCE (AWA)		LINEAR WATTAGE ALLOWANCE (LWA)		INITIAL WATTAGE ALLOWANCE	TOTAL GENERAL HARDSCAPE LIGHTING ALLOWANCE
A	B	C	D	E	F
ILLUMINATED HARDSCAPE AREA	AWA PER SQUARE FOOT	AWA (A x B)	PERIMETER LENGTH OF GENERAL HARDSCAPE	LWA PER LINEAR FOOT	LWA (D x E)
11350	.092	1044	760	.92	700
Enter total into OLTG-1C; Page 4 of 4; Row A; Lighting Power Allowance for General Hardscape:					2444

Yes: AWA, LWA, and IWA from Table 147-A was used as appropriate for the Outdoor Lighting Zone.

B. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER UNIT LENGTH (Available only for sales frontage)

DETERMINE WATTAGE ALLOWANCE		LUMINAIRE TYPE		DESIGN WATTS	
A	B	C	D	E	F
Specific Lighting Application	Linear Feet of Frontage	Wattage Allowance for OLZ (watts per ft)	Name or Symbol	Luminaire Type	Watts per Luminaire

Enter total into OLTG-1C; Page 4 of 4; Row B; Specific Application Lighting Wattage Allowance Per Unit Length

C. SPECIFIC APPLICATION WATTAGE ALLOWANCE FOR ORNAMENTAL LIGHTING

DETERMINE WATTAGE ALLOWANCE		LUMINAIRE TYPE		DESIGN WATTS	
A	B	C	D	E	F
Specific Lighting Application	Square feet of Hardscape	Ornamental Lighting Allowance for OLZ (watts per ft)	Wattage Allowance (B x C)	Name or Symbol	Luminaire Type

Enter total into OLTG-1C; Page 4 of 4; Row C; Specific Application Wattage Allowance for Ornamental Lighting

2008 Nonresidential Compliance Forms

March 2010

HARDSCAPE AREA CALCULATION:

1ST FLOOR PARKING, SIDEWALKS 4590 SQ. FT.
 2ND FLOOR STAIRS, LANDINGS 364 SQ. FT.
 3RD FLOOR LANDING, ROOF REC. SPACE 1396 SQ. FT.
 TOTAL: 11,350 SQ. FT.

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STAMP

CONSULTANTS

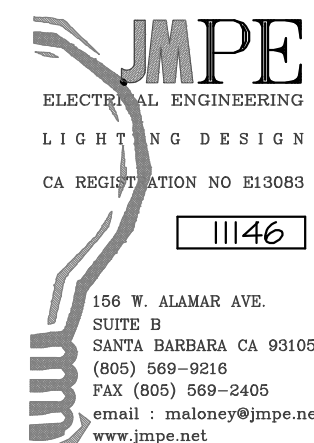
PROJECT
 SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY
 513 GARDEN STREET
 SANTA BARBARA, CA 93101

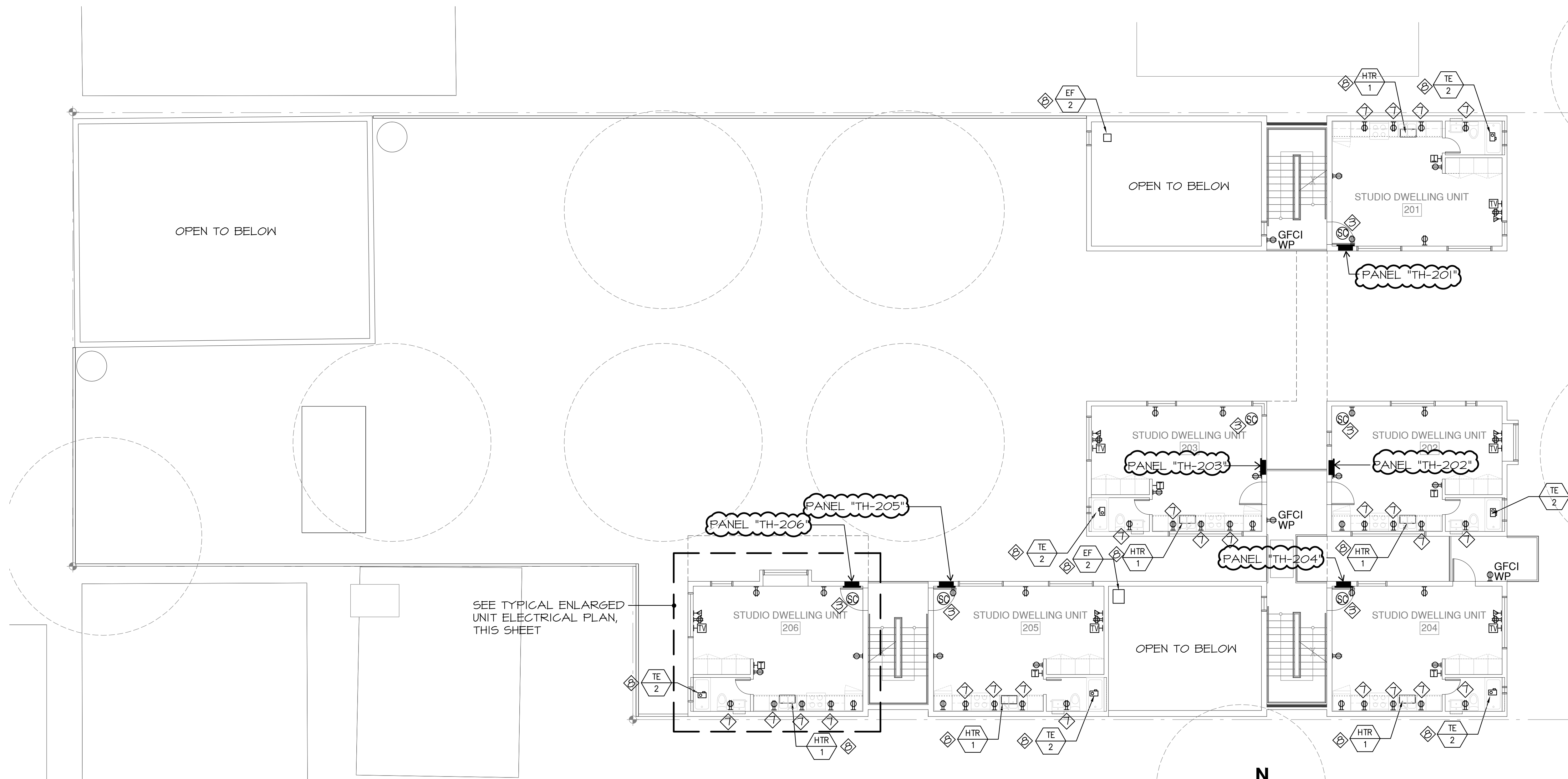
ISSUES / REVISIONS
 04/01/13 BID SET
 06/22/13 REVISION 1
 11/08/13 REVISION 2
 04/08/14 PLAN CHECK REVISION

SHEET TITLE
 OUTDOOR LIGHTING FORMS

DATE 04/10/14
 PHASE BID SET
 SCALE

E1.2



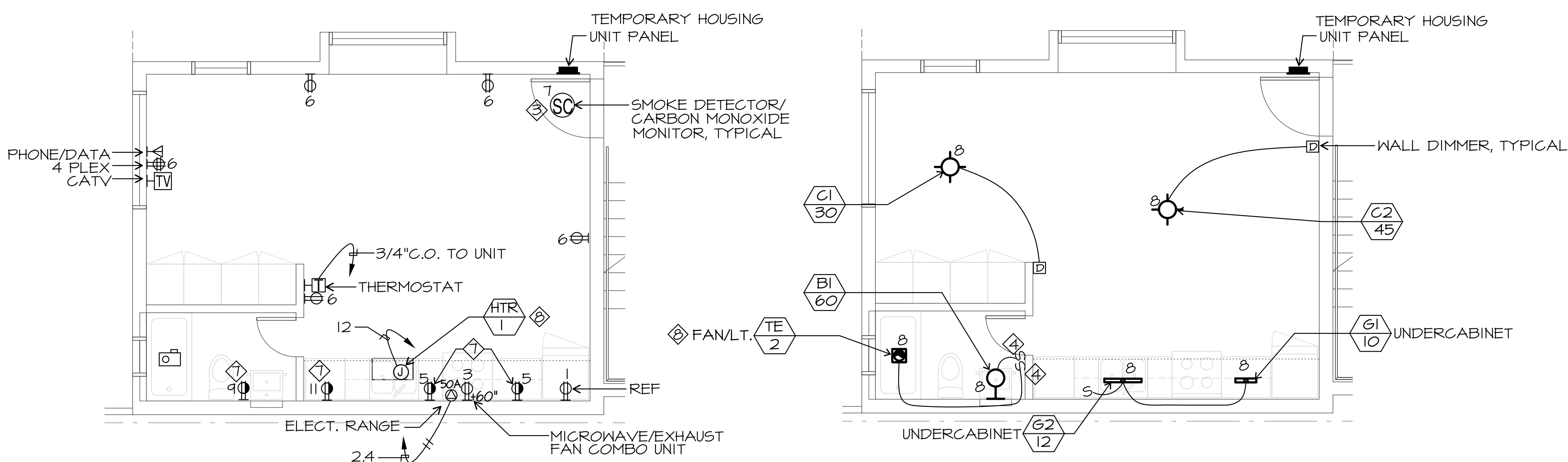


ELECTRICAL NOTES

1. ALL OUTLETS IN DWELLING UNITS SHALL BE PROTECTED BY A LISTED ARC FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE PER CEC 210.11
2. TAMPER RESISTANCE RECEPTACLES SHALL BE INSTALLED IN DWELLING UNITS PER CEC 406.12
3. SMOKE DETECTOR SHALL BE 120V COMBINATION SMOKE & CARBON MONOXIDE DETECTORS WITH BATTERY BACK UP.
4. OCCUPANCY SENSOR SWITCH SENSOR SWITCH MODEL #WSD-PDT-WH
5. CEILING MOTION SENSOR SENSOR SWITCH MODEL #CMR-PDT-WH
6. DELETED
7. GFCI RECEPTACLE MAX. +44" A.F.F. (PER CBC 1136A) U.N.O. SEE ARCHITECTURAL DRAWINGS.
8. SEE MECHANICAL DRAWINGS FOR EQUIPMENT LOCATION, SPECIFICATION AND REQUIREMENTS. COORDINATE ALL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
9. ALL DEVICES SHALL BE DIVA/DECORA, WHITE COLOR WITH SATIN STAINLESS STEEL COVERPLATES, TYPICAL.
10. SWITCHES, CONTROLS AND OUTLETS SHALL BE LOCATED NO MORE THAN +48" A.F.F. TO TOP OF OUTLET BOX OR LOWER THAN +15" A.F.F. TO BOTTOM OF OUTLET BOX.

RECEPTACLES MOUNTED ABOVE COUNTERTOPS SHALL BE LOCATED +44" A.F.F. MAX. TO THE TOP OF OUTLET BOX.

1 SECOND FLOOR POWER PLAN
1/8" = 1'-0"



2 ENLARGED TYPICAL UNIT POWER PLAN
1/4" = 1'-0"

3 ENLARGED TYPICAL UNIT LIGHTING PLAN
1/4" = 1'-0"

TYPICAL TEMP. HOUSING PANEL											
SERVICE: 120/240V 1Ø3W			MAIN BKR: 60A 2P			BUS: 100A			LOC.: SEE PLAN		
									MTG.: FLUSH		
REMARKS	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	REMARKS
REFRIG	ΦA	ΦB	ΦA	ΦB	ΦA	ΦB	ΦA	ΦB	ΦA	ΦB	STOVE
MICROWAVE											
SMALL APPLIANCE											GEN LTG
SMOKE DETECTOR											GEN LTG
BATH CIRCUIT											SPARE
SMALL APPLIANCE											HEATER
TOTAL WATTS=	Φ A=		Φ B=		Φ A=		Φ B=				
AMPS= SEE LOAD CALCULATION			MINIMUM BKR		A I.C. RATING=		10,000 AMPS SYM				

* AFCI COMBINATION BREAKER

JMPE
ELECTRICAL ENGINEERING
LIGHTING DESIGN
CA REGISTRATION NO. E13083
11146
150 W. ALAMAR AVE.
SUITE B
SANTA BARBARA CA 93105
(805) 566-2218
FAX: (805) 566-2405
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SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY
513 GARDEN STREET
SANTA BARBARA, CA 93101

PROJECT

ISSUES / REVISIONS

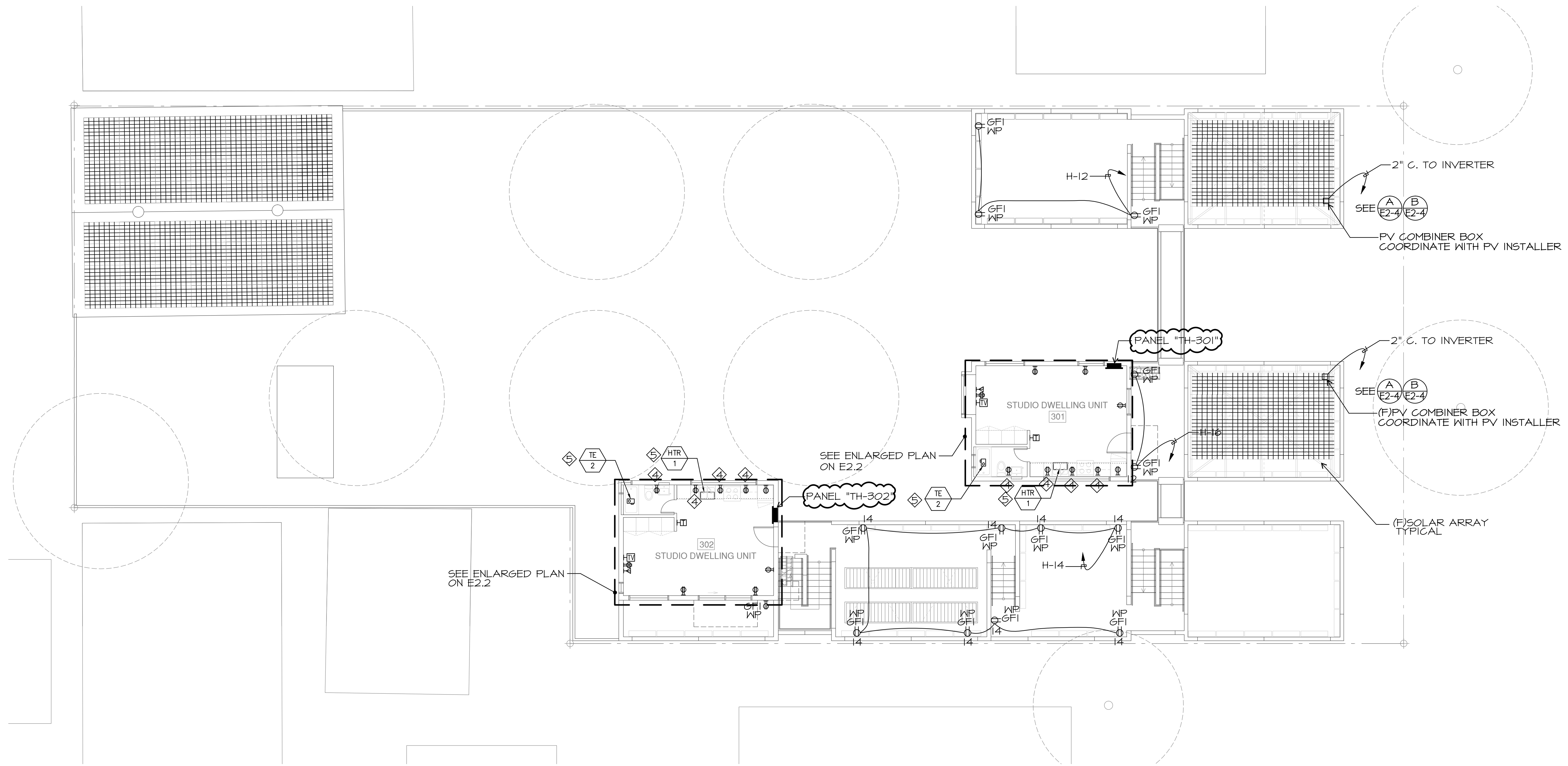
04/01/13	BID SET
06/12/13	REVISION 1
11/08/13	REVISION 2
04/08/14	PLAN CHECK REVISION

SHEET TITLE

SECOND FLOOR POWER PLAN

DATE 04/10/14
PHASE BID SET
SCALE 1/8" = 1'-0"

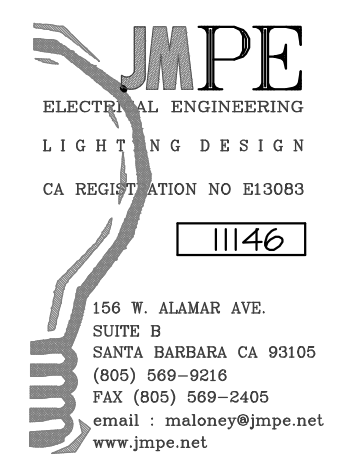
SHEET **E2.2**



2 THIRD FLOOR POWER PLAN
 1/8" = 1'-0"

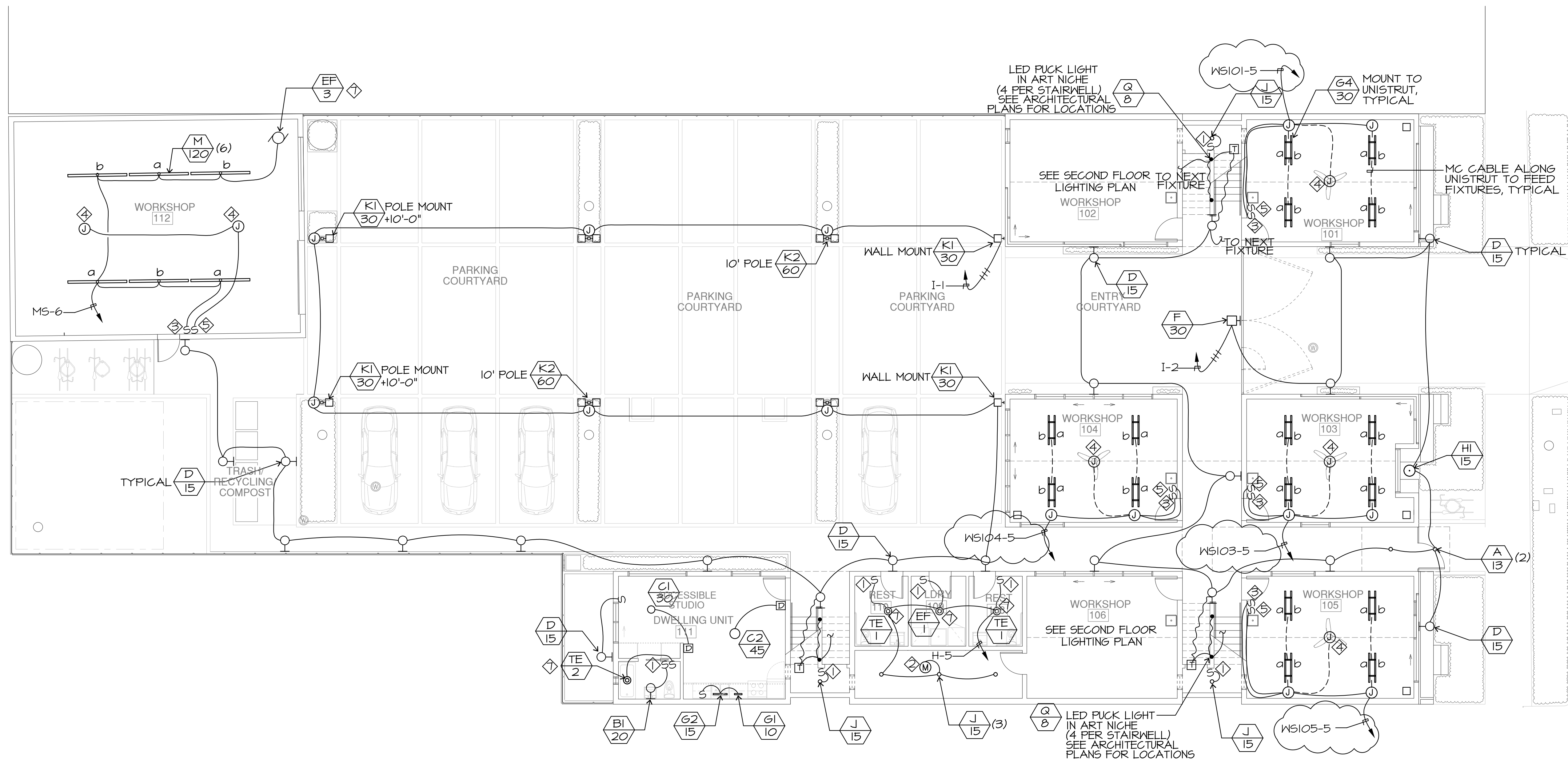
ELECTRICAL NOTES

1. ALL OUTLETS IN DWELLING UNITS SHALL BE PROTECTED BY A LISTED ARC FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE PER CEC 210.11
2. TAMPER RESISTANCE RECEPTACLES SHALL BE INSTALLED IN DWELLING UNITS PER CEC 406.12
3. SMOKE DETECTOR SHALL BE 120V COMBINATION SMOKE & CARBON MONOXIDE DETECTORS WITH BATTERY BACK UP.
4. GFCI RECEPTACLE AT +44" A.F.F. U.N.O. SEE ARCHITECTURAL DRAWINGS.
5. SEE MECHANICAL DRAWINGS FOR EQUIPMENT LOCATION, SPECIFICATION AND REQUIREMENTS. COORDINATE ALL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
6. ALL DEVICES SHALL BE DIVA/DECORA, WHITE COLOR WITH SATIN STAINLESS STEEL COVERPLATES, TYPICAL.
7. SWITCHES, CONTROLS AND OUTLETS SHALL BE LOCATED NO MORE THAN +48" A.F.F. TO TOP OF OUTLET BOX OR LOWER THAN +15" A.F.F. TO BOTTOM OF OUTLET BOX.
 RECEPTACLES MOUNTED ABOVE COUNTERTOPS SHALL BE LOCATED +44" A.F.F. MAX. TO THE TOP OF OUTLET BOX.



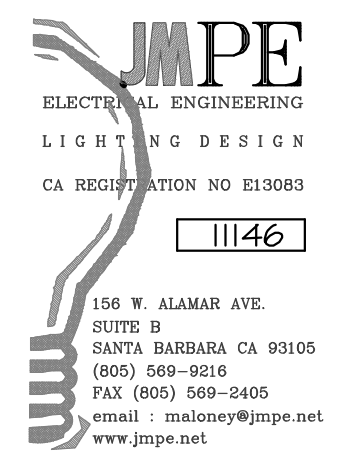
PROJECT SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY 513 GARDEN STREET SANTA BARBARA, CA 93101		CONSULTANTS SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY		STAMP	
ISSUES / REVISIONS 04/01/13 BID SET 06/12/13 REVISION 1 11/08/13 REVISION 2 04/08/14 PLAN CHECK REVISION		SHEET TITLE THIRD FLOOR POWER PLAN			
DATE 04/10/14	PHASE BID SET	SCALE 1/8" = 1'-0"	SHEET E2.3		

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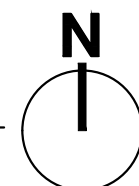


LIGHTING NOTES

- 1. OCCUPANCY SENSOR SWITCH
SENSOR SWITCH MODEL #NSD-PDT-WH
 - 2. CEILING MOTION SENSOR
SENSOR SWITCH MODEL #CMR9-PDT-WH
 - 3. 2 POLE MOTION SENSOR SWITCH
SENSOR SWITCH MODEL #NSD-PDT-2P-WH
 - 4. BRACED J-BOX
 - 5. CEILING FAN SWITCH
 - 6. 2 POLE EXHAUST FAN VACANCY SENSOR
SENSOR SWITCH MODEL #NSD-PDT-2P-FAN
 - 7. SEE MECHANICAL PLANS FOR EQUIPMENT SPECIFICATION.
 - 8. SWITCHES, CONTROLS AND OUTLETS SHALL BE LOCATED NO MORE THAN +48" A.F.F. TO TOP OF OUTLET BOX OR LOWER THAN +15" A.F.F. TO BOTTOM OF OUTLET BOX.
- RECEPTACLES MOUNTED ABOVE COUNTERTOPS SHALL BE LOCATED +44" A.F.F. MAX. TO THE TOP OF OUTLET BOX.

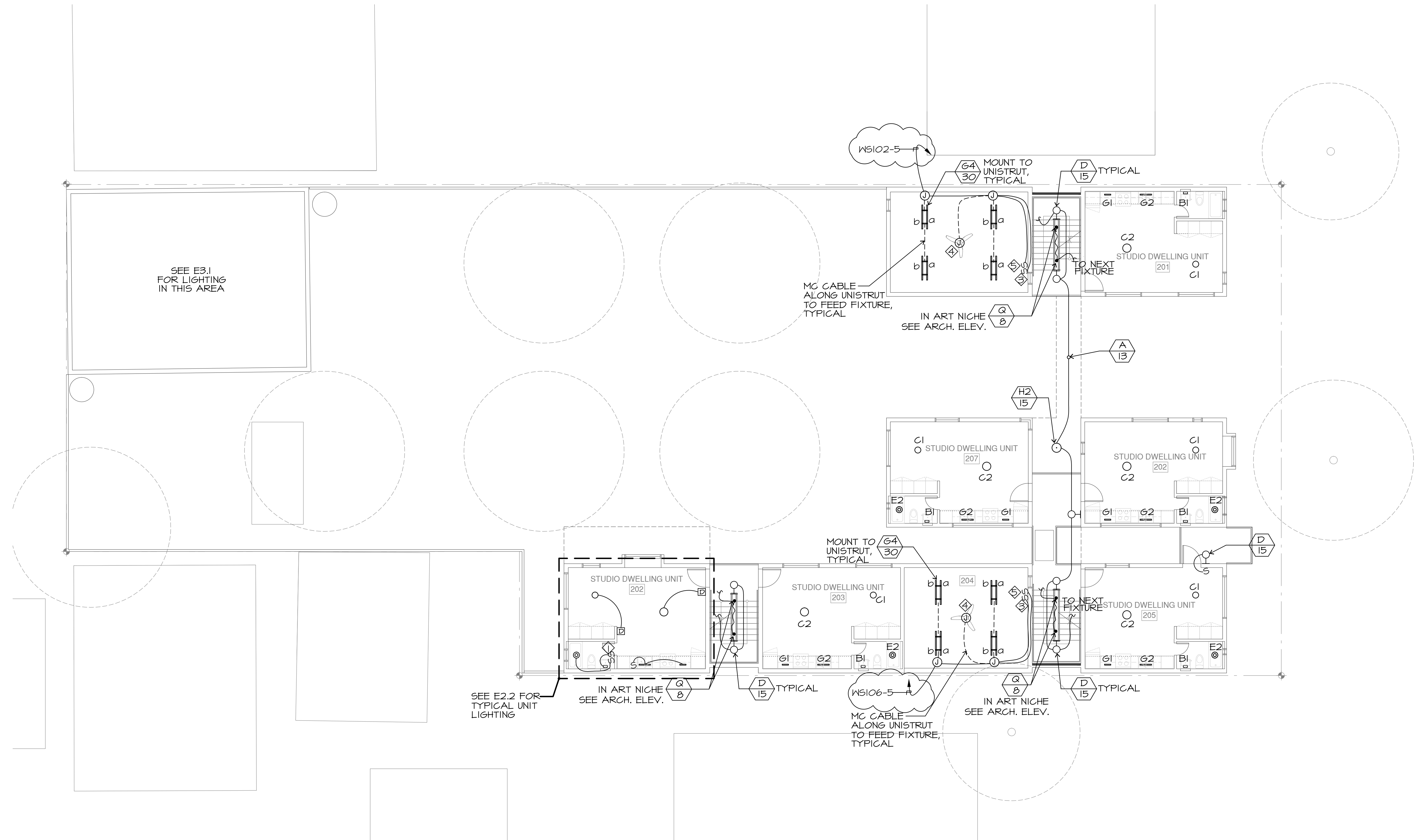
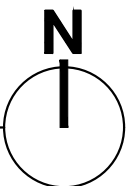


1 SITE / FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"



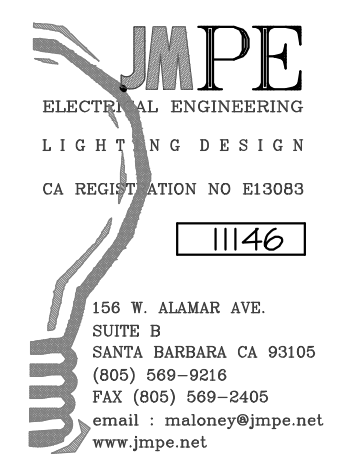
<p>MACY ARCHITECTURE 315 Linden Street San Francisco, CA 94102 Tel 415 551 7630 Fax 415 551 7601 www.macyarchitecture.com</p>									
STAMP									
CONSULTANTS									
PROJECT	<p>SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY 513 GARDEN STREET SANTA BARBARA, CA 93101</p>								
ISSUES / REVISIONS	<table border="1"> <tr> <td>04/01/13</td> <td>BID SET</td> </tr> <tr> <td>06/12/13</td> <td>REVISION 1</td> </tr> <tr> <td>11/08/13</td> <td>REVISION 2</td> </tr> <tr> <td>04/08/14</td> <td>PLAN CHECK REVISION</td> </tr> </table>	04/01/13	BID SET	06/12/13	REVISION 1	11/08/13	REVISION 2	04/08/14	PLAN CHECK REVISION
04/01/13	BID SET								
06/12/13	REVISION 1								
11/08/13	REVISION 2								
04/08/14	PLAN CHECK REVISION								
SHEET TITLE	SITE/FIRST FLOOR LIGHTING PLAN								
DATE	04/10/14								
PHASE	BID SET								
SCALE	1/8" = 1'-0"								
SHEET	E3.1								

1 SECOND FLOOR LIGHTING PLAN
1/8" = 1'-0"

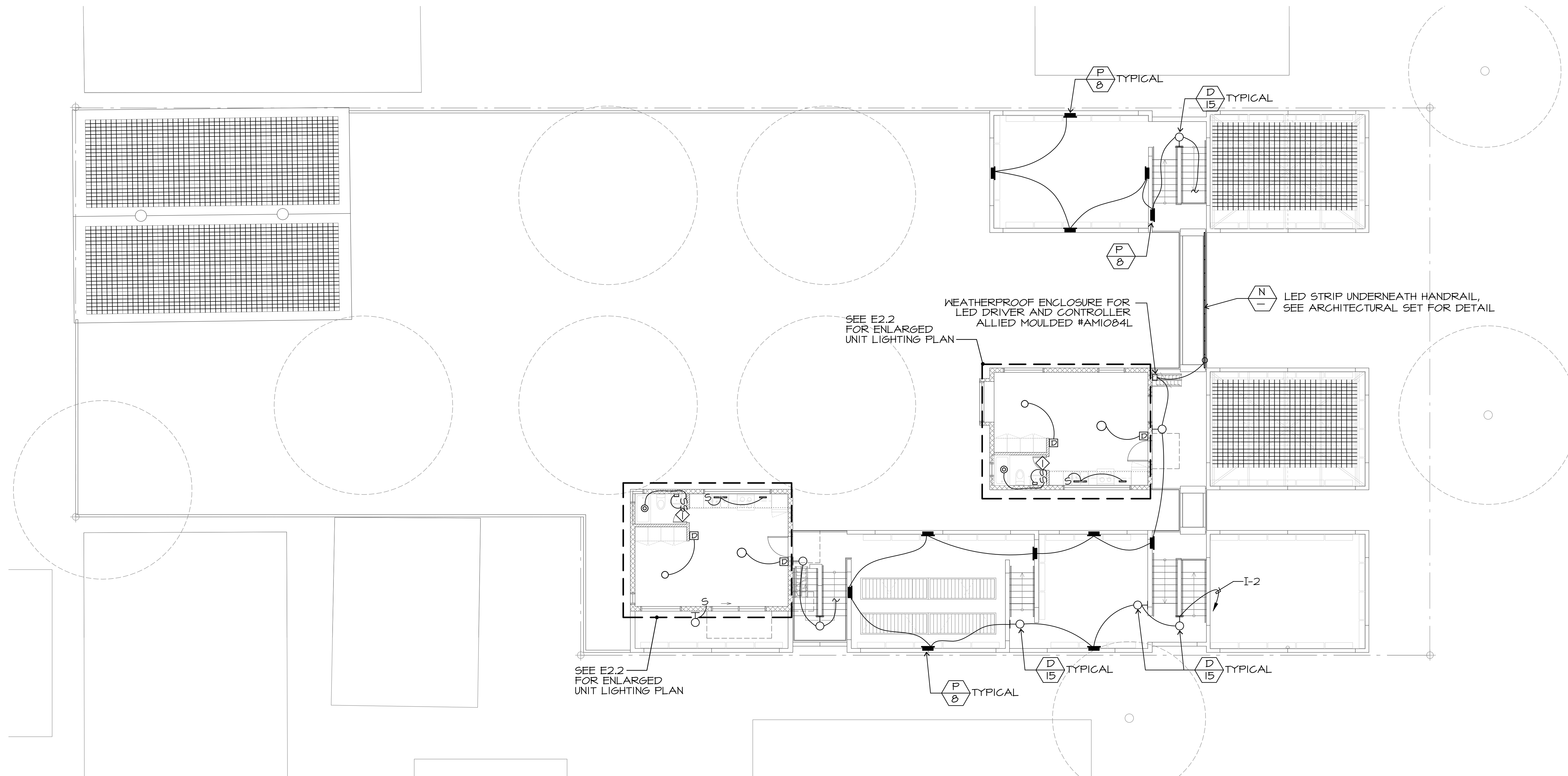


LIGHTING NOTES

- ◇ OCCUPANCY SENSOR SWITCH
SENSOR SWITCH MODEL #WSD-PDT-WH
 - ◇ CEILING MOTION SENSOR
SENSOR SWITCH MODEL #CMR4-PDT-WH
 - ◇ 2 POLE MOTION SENSOR SWITCH
SENSOR SWITCH #WSD-PDT-2P-WH
 - ◇ BRACED J-BOX
 - ◇ CEILING FAN SWITCH
 - ◇ 2 POLE EXHAUST FAN VACANCY SENSOR
SENSOR SWITCH #WSD-PDT-2P-FAN
7. SWITCHES, CONTROLS AND OUTLETS SHALL BE LOCATED NO MORE THAN +48" A.F.F. TO TOP OF OUTLET BOX OR LOWER THAN +15" A.F.F. TO BOTTOM OF OUTLET BOX.
- RECEPTACLES MOUNTED ABOVE COUNTERTOPS SHALL BE LOCATED +44" A.F.F. MAX. TO THE TOP OF OUTLET BOX.



SHEET	E3.2		
	DATE	04/10/14	PHASE
SHEET TITLE	SECOND FLOOR LIGHTING PLAN		
	SCALE	1/8" = 1'-0"	
ISSUES / REVISIONS	04/01/13 BID SET 06/12/13 REVISION 1 11/08/13 REVISION 2 04/08/14 PLAN CHECK REVISION		
PROJECT	SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY 513 GARDEN STREET SANTA BARBARA, CA 93101		
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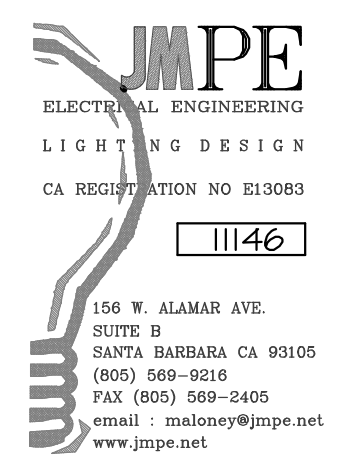
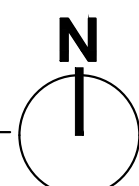
LIGHTING NOTES

- ◇ OCCUPANCY SENSOR SWITCH
SENSOR SWITCH MODEL #NSD-PDT-WH
- ◇ CEILING MOTION SENSOR
SENSOR SWITCH MODEL #CMR9-PDT-WH
- ◇ 2 POLE MOTION SENSOR SWITCH
SENSOR SWITCH #NSD-PDT-2P-WH
- ◇ BRACED J-BOX
- ◇ CEILING FAN SWITCH
- ◇ 2 POLE EXHAUST FAN VACANCY SENSOR
SENSOR SWITCH #NSD-PDT-2P-FAN

7. SWITCHES, CONTROLS AND OUTLETS SHALL BE LOCATED NO MORE THAN +48" A.F.F. TO TOP OF OUTLET BOX OR LOWER THAN +15" A.F.F. TO BOTTOM OF OUTLET BOX.

RECEPTACLES MOUNTED ABOVE COUNTERTOPS SHALL BE LOCATED +44" A.F.F. MAX. TO THE TOP OF OUTLET BOX.

2 THIRD FLOOR LIGHTING PLAN
1/8" = 1'-0"



SHEET	E3.3	
	DATE	04/10/14
SHEET TITLE	PHASE	BID SET
	SCALE	1/8" = 1'-0"
ISSUES / REVISIONS	04/01/13 BID SET 06/12/13 REVISION 1 11/08/13 REVISION 2 04/08/14 PLAN CHECK REVISION	
PROJECT	SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY 513 GARDEN STREET SANTA BARBARA, CA 93101	
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