

exposed to weather or earth See details All others Bars shall have bends and hooks as follows except as otherwise shown or noted:

Epoxy Adhesive: Reinforcing dowels and threaded rods set in epoxy adhesive shall have 100 percent of the dowels/ rods proof tested in tension to ed 07/2016 or approved equal.

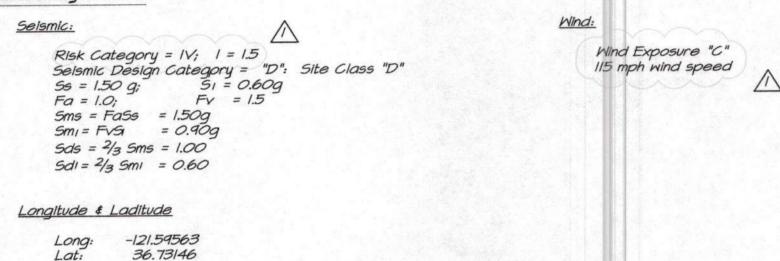
vice the allowabl	le tension load. Epoxy adhesive	to be Simpson SET-	-XP adhesive per ICBO Report	No. 2508, reissued
	M	inimum Proof Load To	ests Values and Embedments	
	Cond	crete	MASC	ONRY
Bar Size	Direct Pull-Out Tension	Embedments	Direct Pull-Out Tension	Embedments
#4 bar	7500#	6" min.*	2300#	6" min.*
* Unless noted o	otherwise			

Existing Structures: These drawings detail certain additions to an existing building. The Engineer was not engaged to and therefore has not made a structural analysis of the existing building and assumes no responsibility for the structural integrity of the building as a whole or for any of its component parts. Wherever new work is shown to join and be attached to the existing structures, such attachment has been designed on the basis of information obtained from existing drawings of the original structure and field observation where possible. If during construction it becomes evident that existing construction is not as indicated on these plans, the Engineer should be notified prior to any further work.

Special Inspections: The following special inspections, as required by Section 1705 of the California Building Code, 2016 Edition, shall be provided during construction on the following types of work. The Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the Owner. The Owner shall bear costs of the test and/or inspections.

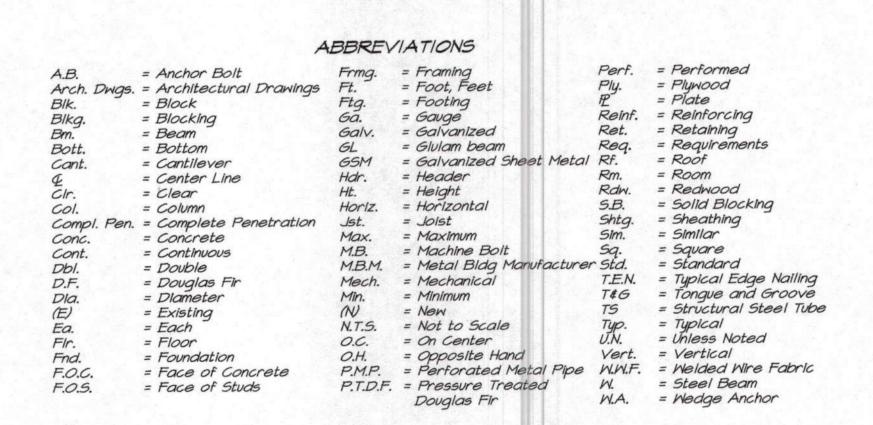
A. Concrete, per Section 1705.3 and Table 1705.3; B. Epoxy, per Section 1705.3 and Table 1705.3;

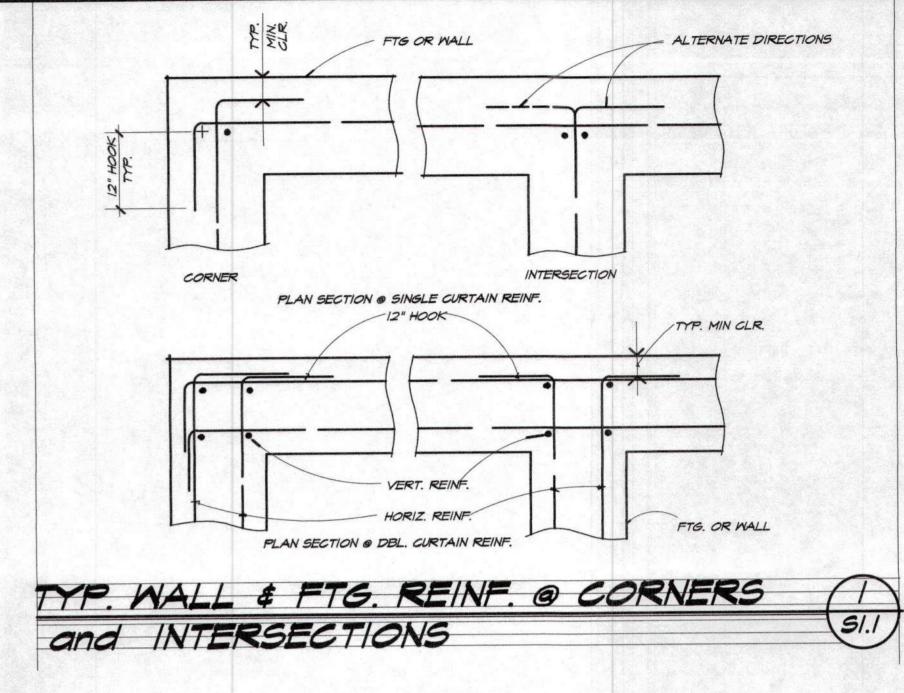
General Design Criteria:

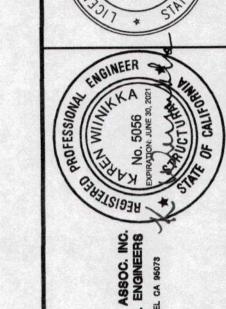


Structural Observation: During the construction the owner may employ the structural engineer responsible for the structural design to make visits to the site to observe general compliance with the approved structural plans, specifications and change orders. The engineer shall submit a statement in writing to the building official stating the site visits have been made and that any deficiencies noted have been corrected.

Note: All construction not specifically detailed shall be built to conform with similar construction shown and the requirements of the California Building Code, 2016 Edition.







= 00 = 00

tions shall be restricted to the original site for which they were prepared and ed to such use. Re-use, reproduct or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice Visual contact with these plans and facie evidence of the acceptance o

PLAN CHECK 12/05/19

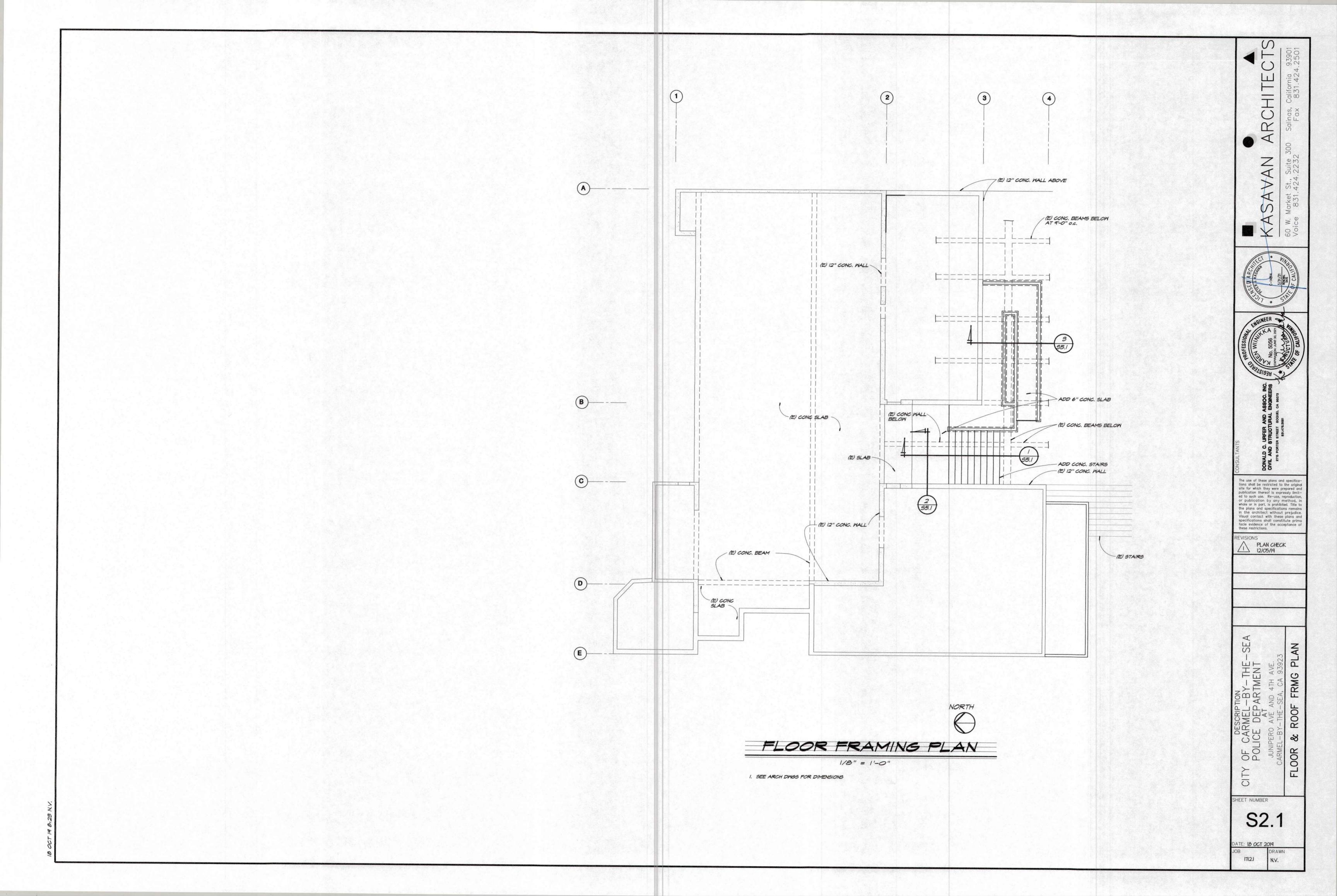
-BY-THE-ARTMENT CARMEL-ICE DEP

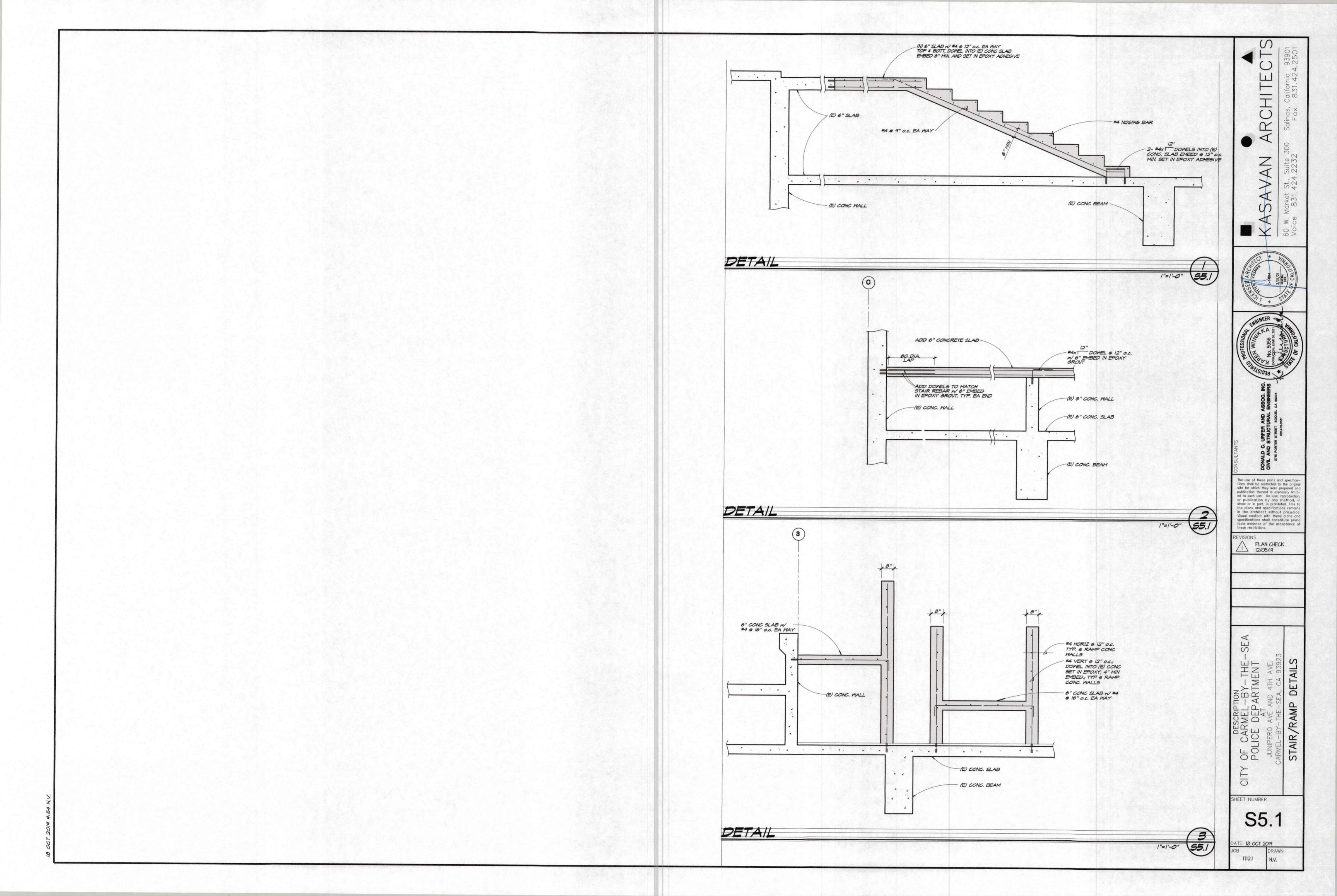
OF POL

HEET NUMBER

1712.1

ATE: 18 OCT 2019





GENERAL NOTES:

- 1. THIS PROJECT IS A REMODEL. THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF THE WORK BASED ON OWNER PROVIDED RECORD DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VISIT SITE, VERIFY EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES NOTED TO THE ARCHITECT PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.
- MECHANICAL CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQUIRED DUE TO DEMOLITION OR INSTALLATION WORK.
- 3. CUTTING OR CORING OF STRUCTURAL MEMBERS OR FOOTINGS IS PROHIBITED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER AND THE ARCHITECT.
- 4. CONTRACTOR SHALL VERIFY THAT THE ELECTRICAL CONNECTIONS TO THE UNITS, INCLUDING CIRCUIT PROTECTION, CONFORM TO UNIT LABELS AND MANUFACTURER'S DIRECTIONS. WHERE WIRE SIZES SHOWN ON DRAWING EXCEED MANUFACTURER'S RECOMMENDATIONS, THE DRAWINGS SHALL GOVERN. ALL WIRING SHALL BE PER THE NATIONAL ELECTRICAL CODE. AS AMENDED AND ENFORCED BY JURISDICTIONAL AUTHORITY.
- 5. COORDINATE EXACT GRILLE, DIFFUSER AND ACCESS DOOR LAYOUT WITH LIGHTS AND SPRINKLERS.
- 6. SUPPORT DUCTS TIGHT BELOW STRUCTURE WHEREVER POSSIBLE.
- 7. PROVIDE ACOUSTICAL LINING IN ALL DUCTS WITHIN 15 FEET OF UNITS. PROVIDE FLEXIBLE CONNECTION ON INLET AND OUTLET DUCT CONNECTIONS TO EQUIPMENT. PROVIDE FLEX DUCT WITHIN 5 FEET OF GRILLES AND
- 8. FLASHING AND WEATHERPROOFING AT EXTERIOR PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL
- 9. COORDINATE WITH OWNER ON SPACE REQUIRED AND TIME SCHEDULE FOR DELIVERY OF ALL ITEMS WHICH ARE TO BE GIVEN TO THE OWNER FOR HIS DISPOSITION.
- 10. ALL TRANSITIONS IN DUCTWORK SHALL BE MADE AT 15 DEGREES MAXIMUM EACH FACE UNLESS OTHERWISE NOTED OR SPECIFICALLY APPROVED.
- 11. ALL DUCTWORK IS CONCEALED UNLESS OTHERWISE NOTED.
- 12. LABEL ALL PIECES OF EQUIPMENT WITH MARK MATCHING SCHEDULE OR EQUIPMENT LIST WITH ENGRAVED PLASTIC LABELS WITH MINIMUM 1/4" HIGH LETTERS. LABELS EXPOSED TO WEATHER SHALL BE ENGRAVED
- 13. ALL DUCTS, REGISTERS, EQUIPMENT, ETC. SHOWN IS NEW UNLESS OTHERWISE NOTED.
- 14. THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEM(S) FOR THE BUILDING(S) WERE DESIGNED IN COMPLIANCE WITH THE LATEST EDITIONS OF THE CALIFORNIA CODES, STANDARDS AND REGULATIONS INCLUDING BUT NOT LIMITED TO CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA ENERGY CODE (CEC -TITLE 24, PART 6), AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE) AND SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA).
- 15. ADHESIVES, SEALANTS AND CAULKS USED INDOORS SHALL NOT EXCEED THE FOLLOWING VOLATILE ORGANIC COMPOUND LIMITS PER TITLE 24, PART 11, SECTION 5.504.
 - METAL TO METAL < 30 GRAMS PER LITER

 - FIBERGLASS < 80 GRAMS PER LITER CONTACT ADHESIVE < 80 GRAMS PER LITER
 - MASTICS < 100 GRAMS PER LITER
 - ZINC-RICH PRIMERS < 340 GRAMS PER LITER
 - FIRE RESISTANT COATINGS < 350 GRAMS PER LITER
- 20. HVAC EQUIPMENT SHALL NOT CONTAIN CFC'S OR HALONS PER TITLE 24, PART 11, SECTION 5.508.
- 21. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC OR SHEET METAL TO PROTECT THE AIR DISTRIBUTION SYSTEM FROM CONTAMINATION WITH DUST AND DEBRIS.
- 22. HEATING HOT WATER PIPING SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER FITTINGS AND BRAZED JOINTS. PIPING SHALL BE INSULATED WITH 1-1/2" THICK FIBERGLASS PIPE INSULATION WITH ASJ-SSL.

	EXHAUST FANS									
MARK	LOCATION	CFM	ESP	SONES	HP	OTOR V/PH	FAN RPM	WT LBS	MAKE & MODEL	REMARKS
EF-1	BATHROOM	50	0.25"	<0.3	13 W	115/1	790	12	GREENHECK SP-A70	17
EF-2	PROPERTY RM	630	0.25"	6.3	1/6	115/1	1,291	45	GREENHECK G-095-VG	2567
EF-3	PISTOL RANGE	7,200	2"	35	5	208/3	1,770	450	GREENHECK CSW-22-AF-41-4-85-I-50	23457

- (1) FAN IS SWITCHED WITH LIGHTS
- (2) PROVIDE WALL SWITCH
- (3) CCW ROTATION, TOP HORIZONTAL DISCHARGE
- (4) PROVIDE NEW EQUIPMENT SUPPORT RAILS

(6) PROVIDE ROOF CURB FOR INSTALLATION ON A SLOPED ROOF.

(5) PROVIDE PERMATECTOR COATING.

(7)	APPROVED EQUAL	EQUIPMENT MAI	NUFACTURERS	INCLUDE:
0	APPROVED EQUAL CARNES, LOREN C	OOK AND PENN	BERRY.	

	AIR DISTRIBUTION								
MARK	TYPE	MAKE & MODEL	REMARKS						
SD-1	CEILING SUPPLY	TITUS MCD	123						
RG-1	CEILING RETURN	TITUS 50F	123						
EG-1	CEILING EXHAUST	TITUS 50F	123						

- 1) FURNISH IN MANUFACTURER STANDARD OFF WHITE FINISH
- (2) COORDINATE BORDER TYPE WITH ARCHITECT'S
- 3 APPROVED EQUA
- CARNES, KRUEGER, AND PRICE.

		_	REFLECTED	CEILING PLAN	
QUAL	DRG MANUFACTURERS INCLUDE:				
	AND DDICE				

	BOILERS								
MARK	LOCATION	HEATII	NG MBH	WT LBS	V/PH	MAKE & MODEL	REMARKS		
<u>B-1</u>	MECH RM	600	564	400	120/1	LOCHINVAR KNIGHT XL KBN601	12		

- (1) PROVIDE CONDENSATE NEUTRALIZATION KIT
- (2) APPROVED EQUAL EQUIPMENT MANUFACTURERS INCLUDE: RAYPAK AND RBI.

	PUMPS								
MARK	GPM	TDH FT	ВНР	RPM	MOTO HP	R V/PH	WT LBS	MAKE & MODEL	REMARKS
<u>P-1</u>	38	25		1750	3/4	120/1	65	BELL & GOSSETT e-60 1.5x1.5x5.25	
P-2	78	38	1.14	1750	1.5	208/3	175	BELL & GOSSETT e-1510 1.5AD	

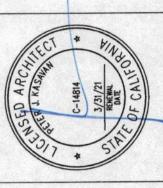
	COILS														
MARK			SIDE				TER SID		-	COIL SIZE		FINS/IN	WT	MAKE & MODEL	REMARKS
MARK	CFM	ESP	EDB*F	LDBF	GPM	EWTF	LWT*F	MAX PD	HIGH	WIDE	ROWS		LBS	TEUTDOL	
HC-1	300	0.06"	40	97	2.0	180	160	1 FT	12"	12"	1	13	20	TEMTROL 5WC-8-12x12x1-13AL	1 2
HC-2	300	0.06"	40	97	2.0	180	160	1 FT	12"	12"	1	13	20	TEMTROL 5WC-8-12x12x1-13AL	1 2
HC-3	250	0.03"	40	91	1.5	180	160	1 FT	12"	12"	1	13	20	TEMTROL 5WC-8-12×12×1-10AL	1 2

- (1) PROVIDE HONEYWELL MODEL CT3011005 HEAT ONLY, NON-PROGRAMMABLE THERMOSTAT TO OPEN/CLOSE HW CONTROL VALVE.
- 2) PROVIDE JOHNSON CONTROLS TWO-WAY CONTROL VALVE WITH ELECTRIC ACTUATOR MODEL VG7241ET + 7153G

	SPLIT SYSTEM AIR CONDITIONERS												
	COOL	MBH	CFAA	500	FAN	WINU	UNIT	WT	EER	LINE	SIZE	MAKE & MODEL	REMARKS
MARK	TC	SC	CFM	ESP	W	V/PH	FLA	LBS	SEER	GAS	LIQ	WARE & WODEL	
<u>CU-1</u>		1		1-1	14	208/1	12.1	55	12.5/19			DAKIN RX09NMVJU	12
EV-1	9.0	8.2	420	0"	21	208/1	0.20	20		3/8"	1/4"	DAIKIN FTX09NMVJU	

- 1 FURNISH WITH STANDARD WIRED CONTROLLER.
- 2 PROVIDE CONDENSATE PUMP (LITTLE GIANT EC-1)

		HVAC LEGE			₹
MBOL	ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION	j
		AIR DUCT	FT	FEET	Ŭ
. — —		UNDER GROUND AIR DUCT	FT HD	FEET HEAD	
f	BD	BALANCING DAMPER	FTR	FLUE THRU ROOF	-
_		AIR FROM DEVICE	GPM GALV	GALLONS PER MINUTE GALVANIZED	1 7
		AIR TO DEVICE SECTION THROUGH SUPPLY	GALV	GAUGE	1
		SECTION THROUGH RETURN	GC	GENERAL CONTRACTOR	
		SECTION THROUGH EXHAUST	HP	HORSEPOWER	0 <
0		THERMOSTAT	HR	HOUR	
\$		TEMPERATURE SENSOR	HTG	HEATING	1 7
×		SPIN-IN EXTRACTOR/DAMPER	HZ	HERTZ	CAVAN
HWS	HWS	HEATING WATER SUPPLY	ID	INSIDE DIAMETER	-
-IWR	HWR	HEATING WATER RETURN	IN	INCH	-
CWS	CWS	COOLING WATER SUPPLY	INT	INTERIOR	<
CWR	CWR	COOLING WATER RETURN	KW	KILOWATTS	U
HWS	CHWS	CHILLED WATER SUPPLY	LAT	LEAVING AIR TEMPERATURE	_ <
HWR——	CHWR	CHILLED WATER RETURN	LBS	POUNDS	
— F/D	F/D	VERTICAL FIRE DAMPER	LG	LONG	
→ F/D	F/D	HORIZONTAL FIRE DAMPER	LRA	LOCKED ROTOR AMPS	
F/SD		VERTICAL FIRE/SMOKE DAMPER	LVG	LEAVING	13
F/SD		HORIZONTAL FIRE/SMOKE DAMPER	LWT	LEAVING WATER TEMPERATURE	RCHII)
☑BT		BYPASS TIMER	LWB	LEAVING WET BULB	ARC
\$	SW	SWITCH	MAX	MAXIMUM	SED A/
ę	The second	CENTERLINE	мвн	1000 BTU PER HOUR	13.50
•	P.O.C.	POINT OF CONNECTION	МС	MECHANICAL CONTRACTOR	
	&	AND	MCA	MINIMUM CIRCUIT AMPS	
	0	AT	мсс	MOTOR CONTROL CENTER	1/8 98
	F	DEGREES FAHRENHEIT	МСР	MECHANICAL CONTROL PANEL	Kla s
	AC	AIR CONDITIONER	MECH	MECHANICAL	ROS
	AC/H	AIR CHANGES PER HOUR	MFR	MANUFACTURER	No.
	AFF	ABOVE FINISH FLOOR	MIN	MINIMUM	The same of the sa
	AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	моср	MAXIMUM OVERCURRENT PROTECTION	MIE
	AGGR	AGGREGATE	(N)	NEW	sers.com
	AL	ACOUSTICALLY LINED	NC	NORMALLY CLOSED	-
	AMB	AMBIENT	NIC	NOT IN CONTRACT	TANTS 8000 email: mail@axiomengir 8038
	AMP	AMPERE	NO	NORMALLY OPEN	Ooxic
	APPROX	APPROXIMATE	NTS	NOT TO SCALE	a all
	ARCH	ARCHITECT/ARCHITECTURAL	OA	OUTSIDE AIR	email:
	BDD	BACKDRAFT DAMPER	OBD	OPPOSED BLADE DAMPER	2
	BHP	BRAKE HORSEPOWER	ОС	ON CENTER	TAN.
	BJ	BETWEEN JOISTS	OD	OUTSIDE DIAMETER	CONSULTANTS (831) 649-8036 (831) 649-8036
	BLDG	BUILDING	OV	OUTLET VELOCITY	
	ВТИН	BRITISH THERMAL UNITS PER HOUR	PC	PLUMBING CONTRACTOR	87.75
	CA	COMBUSTION AIR	PD	PRESSURE DROP	The use of th
	CFM	CUBIC FEET PER MINUTE	PH	PHASE	site for which publication th
	CI	CAST IRON	P/N	PART NUMBER	ed to such us or publication whole or in po
	CIRC	CIRCULATING	PRESS	PRESSURE	the plans and in the archit
	CLG	CEILING	PSI	POUNDS PER SQUARE INCH	Visual contact specifications
	CONC	CONCRETE	P/T	PRESSURE/TEMPERATURE	facie evidenc these restricti
	CONN	CONNECTION	QTY	QUANTITY	REVISIONS:
	CONT	CONTINUED, CONTINUATION	RA	RETURN AIR	
	COOL	COOLING	REQD	REQUIRED	A PI
	COORD	COORDINATE	REQS	REQUIREMENTS	
	COP	COEFFICIENT OF PERFORMANCE	RLA	RATED/RUNNING LOAD AMPS	
	CONST	CONSTRUCTION	RM	ROOM	
	CV	COEFFICIENT OF FLOW	RPM	REVOLUTIONS PER MINUTE	
	DB	DRY BULB	SA	SUPPLY AIR	
	DG	DOOR GRILLE	SC	SENSIBLE COOLING	
	D/L	DOOR LOUVER	SEER	SEASONAL ENERGY EFFICIENCY RATIO	
	DN	DOWN	SM	SHEETMETAL	
	DWGS	DRAWINGS	SOV	SHUT-OFF VALVE	SEA
	(E)	EXISTING	SP	STATIC PRESSURE	SE
	EA	EXHAUST AIR	SPEC	SPECIFICATION	
	EAT	ENTERING AIR TEMPERATURE	SQ	SQUARE	
	EC	ELECTRICAL CONTRACTOR	STD	STANDARD	1 74
9.	EER	ENERGY EFFICIENCY RATIO	STRUCT	STRUCTURAL	1 7×5
March 1	EF	EXHAUST FAN	STSL	STAINLESS STEEL	I PER A
25 7 7	ELEC	ELECTRICAL	тс	TIME CLOCK/TOTAL COOLING	
	ELEV	ELEVATION	TDH	TOTAL DYNAMIC HEAD	S S E
	ENT	ENTERING	TEMP	TEMPERATURE	SES C
	ESP	EXTERNAL STATIC PRESSURE	TSP	TOTAL STATIC PRESSURE	1084
	EWB	ENTERING WET BULB	TV	TURNING VANES	
	EWT	ENTERING WATER TEMPERATURE	TYP	TYPICAL	P. S.
	EXP	EXPANSION	UCD	UNDERCUT DOOR	THE STREET PROPERTY OF THE PARTY.
	EXT	EXTERIOR	V	VOLT	
	FLA	FULL LOAD AMPS	W/	WITH	GT
	FLR	FLOOR	WB	WET BULB	
			WC	WATER COLUMN	
	FPM	FEET PER MINUTE		Witch Occount	SHEET NUM

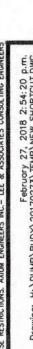


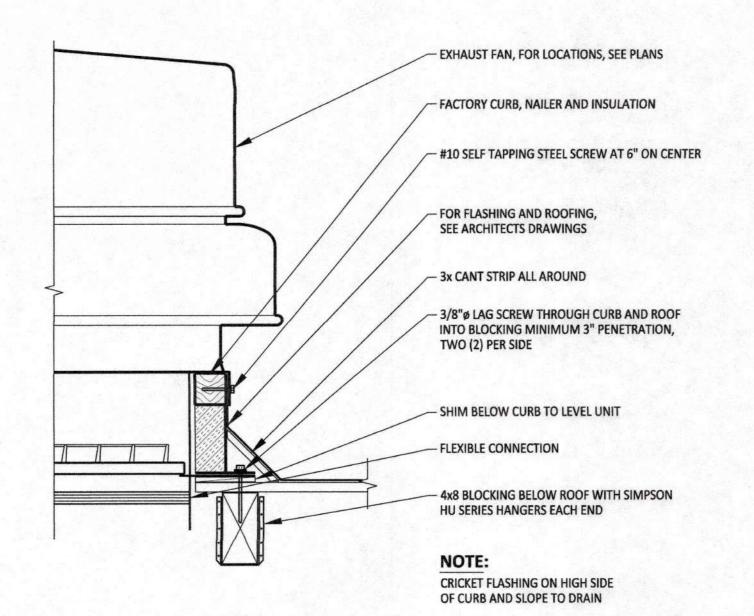


vc. (83 fx. (83 tions shall be restricted to the original site for which they were prepared and ed to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and facie evidence of the acceptance of these restrictions.

REVISIONS: PLAN CHECK PLAN CH 11/25/19

DATE: 27 JAN 2020 DRAWN CADD 1712.1

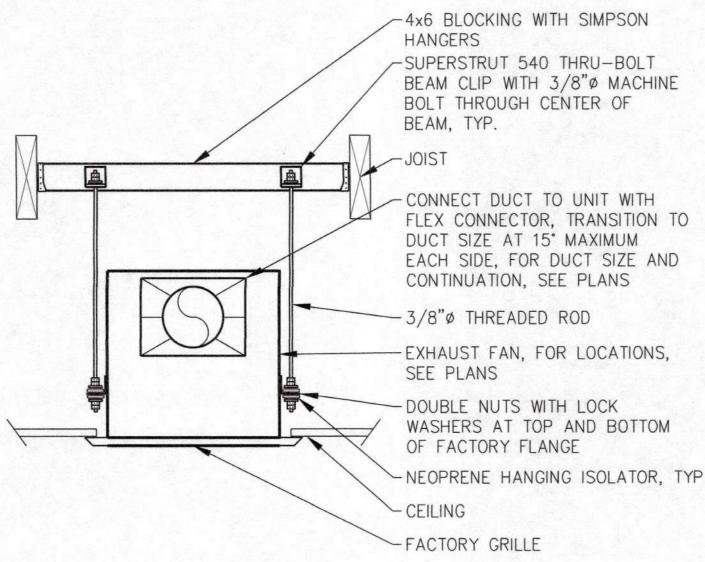


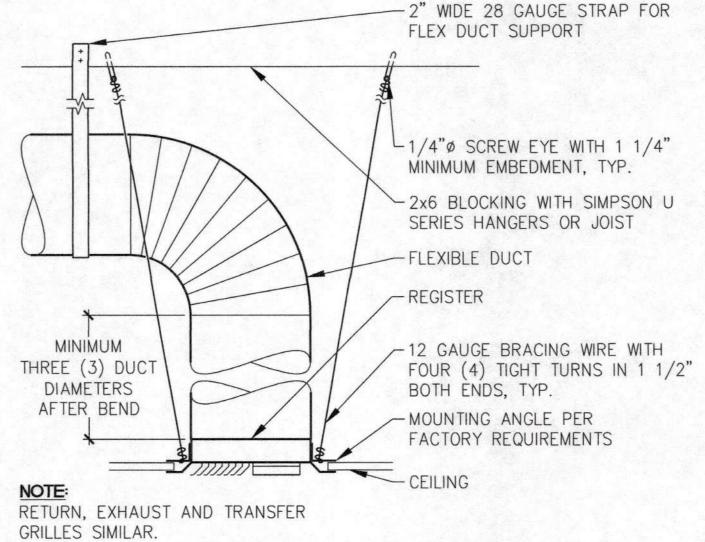


ROOF MOUNTED FAN

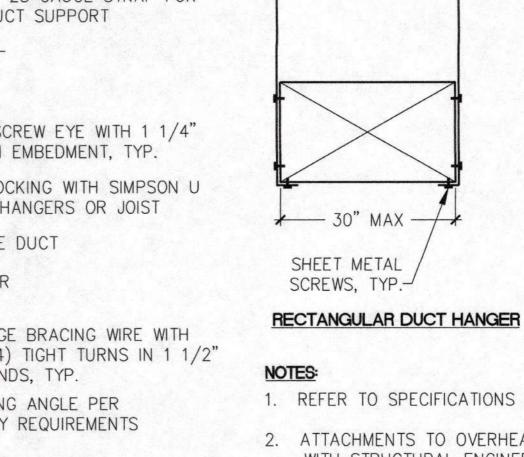
M0.2

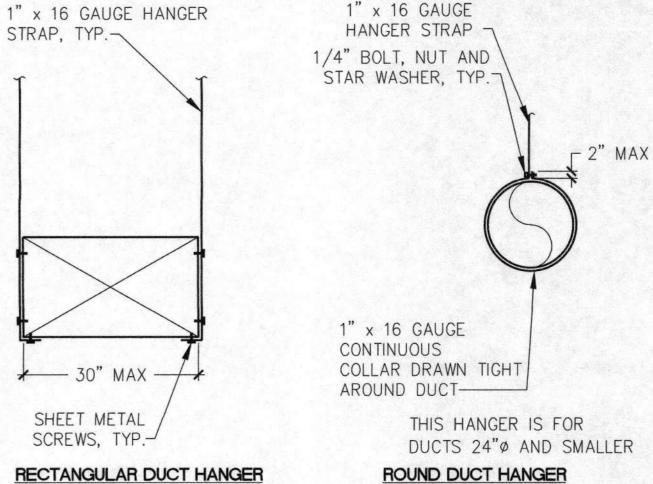
M0.2





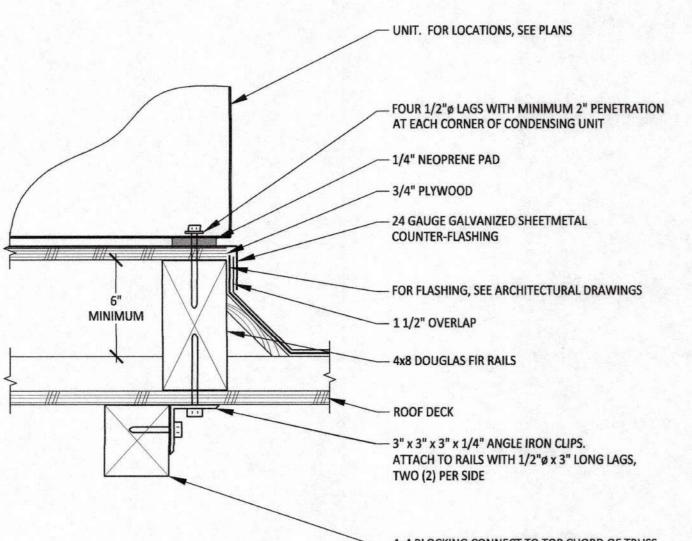
DIFFUSER MOUNTING HARD CEILING

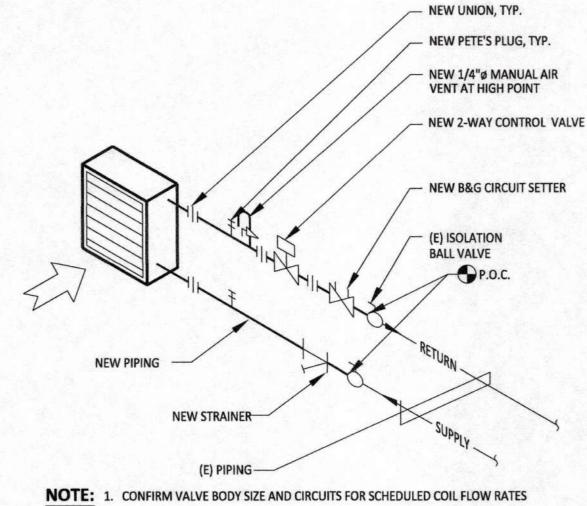




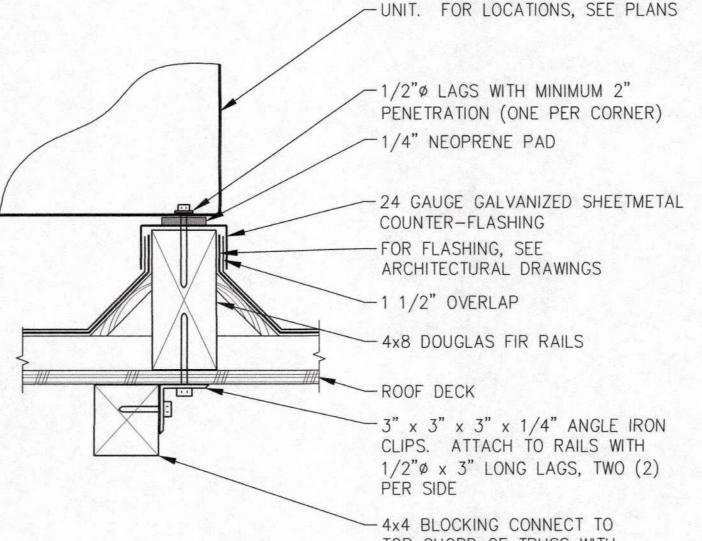
- 1. REFER TO SPECIFICATIONS AND 2/MO.2 FOR HANGER SPACING.
- 2. ATTACHMENTS TO OVERHEAD STRUCTURE SHALL BE MADE IN ACCORDANCE WITH STRUCTURAL ENGINEERS REQUIREMENTS AND WEIGHT LIMITATIONS.
- 3. PROVIDE SWAY BRACING PER SMACNA SEISMIC GUIDELINES.
- 4. FOR ATTACHMENTS TO STRUCTURE, SEE 3/MO.2.







CEILING MOUNTED FAN



TOP CHORD OF TRUSS WITH

<u>EF-3</u>

UTILITY FAN MOUNTING NO SCALE MO.2

MINIMUM HANGER SIZES FOR ROUND DUCT DUCT MAX.
DIAMETER SPACING STRAP 12'-0" 1" X 16 GAUGE 12'-0" 1" X 16 GAUGE 19"-24" 12'-0" 1" X 16 GAUGE 25"-36" 12'-0" 1" X 16 GAUGE

		HANGE CTANGULA		
MAX. HALF	PAIR AT	PAIR AT	PAIR AT	PAIR AT
OF DUCT	10'-0"	8'-0"	5'-0"	
PERIMETER	STRAP	STRAP	STRAP	STRAP
P/2=30"	1"x16	1"x16	1"x16	1"x16
	GAUGE	GAUGE	GAUGE	GAUGE
P/2=72"	1"x16	1"x16	1"x16	1"x16
	GAUGE	GAUGE	GAUGE	GAUGE

MINIMUM DUCT HANGER SIZE AND MAXIMUM SPACING

NO SCALE MO.2

ed to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prime facie evidence of the acceptance of **REVISIONS:** PLAN CHECK

The use of these plans and specific tions shall be restricted to the original site for which they were prepared and publication thereof is expressly limit—

TS

CHITE

2

× 3%

POLICE DEPARTMENT

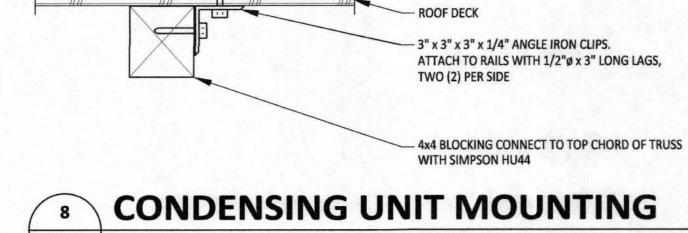
AT:

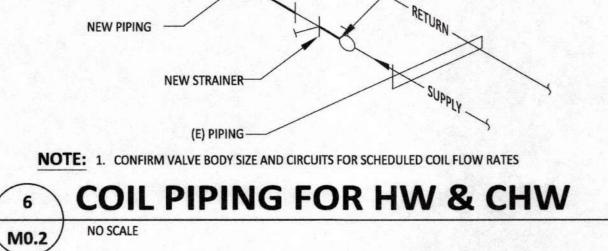
DESCRIPTION

ACT:

SHEET NUMBER M_{0.2}

DATE: 27 JAN 2020 1712.1





EF-2

STATE OF CALIFORNIA HVAC SYSTEM REQUIREMENTS DEC-NRCC-MCH-02-E (Revised 01/16)	CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE	NRCC-MCH-0
HVAC Wet System Requirements	(Page 3 o
Project Name: Carmel Police Department	Oute Prepared: August 5, 2019
DOCUMENTATION AUTHOR'S DECLARATION STA	TEMENT
1. I certify that this Certificate of Compliance do	ocumentation is accurate and complete.
Documentation Author Name: Robert Stroshane	Documentation Author Signature: Robert Stroshane Digitally signed by Robert Stroshane
Company: Axiom Engineers, Inc.	Signature Date: August ,5 2019
Address: 22 Lower Ragsdale Drive, Suite A	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Monterey, CA 93940	Phone: 831-649-8000
RESPONSIBLE PERSON'S DECLARATION STATEME	
identified on this Certificate of Compliance (i 3. The energy features and performance specific design identified on this Certificate of Compliance of Regulations. 4. The building design features or system design provided on other applicable compliance do agency for approval with this building permit of the limit	of Compliance is true and correct. and Professions Code to accept responsibility for the building design or system design responsible designer). ications, materials, components, and manufactured devices for the building design or system liance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of a features identified on this Certificate of Compliance are consistent with the information cuments, worksheets, calculations, plans and specifications submitted to the enforcement
Responsible Designer Name: Robert Stroshane	Responsible Designer Signature: Robert Stroshane Digitally, signed by Robert Stroshane Date: 2019.08.05 14:46:41-07
Company: Axiom Engineers, Inc.	Date Signed: August 5, 2019

License: M33439

one: 831-649-8000

22 Lower Ragsdale Drive, Suite A

State/Zip: Monterey, CA 93940

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

CERTIFICATE OF COMPLIANCE				NRCC-MCH-02-E				
HVAC Dry System Requirements				(Page 1 of 3				
Project Name: Carmel Police Department			Date Prepared: August 5, 201	9				
A. Equipment Tags and System Descript	tion¹- Dry Systems	1	1	1				
MANDATORY MEASURES	T-24 Sections	Reference to the Requirements in the Contract Document						
Heating Equipment Efficiency ³	110.1 or 110.2(a)							
Cooling Equipment Efficiency ³	110.1 or 110.2(a)		The state of the s					
HVAC or Heat Pump Thermostats	110.2(b), 110.2(c)	Market Land						
Furnace Standby Loss Control	110.2(d)	Water Art of						
Low Leakage AHUs	110.2(f)							
Ventilation ⁴	120.1(b)							
Demand Control Ventilation ⁵	120.1(c)4							
Occupant Sensor Ventilation Control ⁶	120.1(c)5, 120.2(e)3							
Shutoff and Reset Controls ⁷	120.2(e)							
Outdoor Air and Exhaust Damper Control	120.2(f)	31 3 15 7		STATE WILLIAM				
Isolation Zones	120.2(g)							
Automatic Demand Shed Controls	120.2(h)							
Economizer FDD	120.2(i)							
Duct Insulation	120.4							
PRESCRIPTIVE MEASURES		15	A PAIL HALE					
Equipment is sized in conformance with 140.4 (a & b)	140.4(a & b)	○ Yes ○ No	○ Yes ○ No	O Yes O No				
Supply Fan Pressure Control	140.4(c)							
Simultaneous Heat/Cool ⁸	140.4(d)							
Economizer	140.4(e)							
Heat and Cool Air Supply Reset	140.4(f)							
Electric Resistance Heating ⁹	140.4(g)							
Duct Leakage Sealing and Testing. 10	140.4(1)							

- 1. Provide equipment tags (e.g. AHU 1 to 10) and system description (e.g. Single Duct VAV reheat) as appropriate. Multiple units with common requirements can be grouped together.
- Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.
- The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. Where appliance standards apply (110.1), identify where equipment is required to be listed per Title 20 1601 et seq.
- Identify where the ventilation requirements are documented for each central HVAC system. Include references to both central unit schedules and sequences of operation. If one or more spaces is naturally ventilated identify where this is documented in the plans and specifications. Multiple zone central air systems must also provide a MCH-03-E compliance document.
- . If one or more spaces has demand controlled ventilation identify where it is specified including the sensor specifications and the sequence of operation.
- . If one or more space has occupant sensor ventilation control identify where it is specified including the sensor specifications and the sequence of operation
- If the system is DDC identify the sequences for the system start/stop, optimal start, setback (if required) and setup (if required). For all systems identify the specification for the thermostats and time clocks (if applicable).
- 8. Identify where the heating, cooling and deadband airflows are scheduled for this system. Include a reference to the specification of the zone controls. Provide a MCH-03-E compliance document.
- Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies. 10. If duct leakage sealing and testing is required, a MCH-04-A compliance document must be submitted.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

HVAC DRY & WET SYSTEM REQUIREMENTS CERTIFICATE OF COMPLIANCE NRCC-MCH-02-E **HVAC Dry & Wet System Requirements** Project Name: Carmel Police Department

3. Equipment Tags and System Descripti MANDATORY MEASURES	T-24 Sections	Reference to the Requirements in the Contract Documen						
	E INCOMPANIENCE							
Heating Hot Water Equipment Efficiency	110.1	M0.1						
Cooling Chilled and Condenser Water Equipment Efficiency ³	110.1, 140.4(i)	N/A						
Open and Closed Circuit Cooling Towers conductivity or flow-based controls	110.2(e) 1	N/A						
Open and Closed Circuit Cooling Towers Maximum Achievable Cycles of Concentration (LSI) ⁶	110.2(e) 2	N/A						
Open and Closed Circuit Cooling Towers Flow Meter with analog output	110.2(e) 3	N/A						
Open and Closed Circuit Cooling Towers Overflow Alarm	110.2(e) 4	N/A						
Open and Closed Circuit Cooling Towers Efficient Drift Eliminators	110.2(e) 5	N/A						
Pipe Insulation	120.3	N/A						
PRESCRIPTIVE MEASURES								
Cooling Tower Fan Controls	140.4(h)2, 140.4(h)5	O Yes O No	O Yes O No	O Yes O No				

DP Sensor Location

Cooling Tower Flow Controls

Centrifugal Fan Cooling Towers

Air-Cooled Chiller Limitation5

Variable Flow System Design Chiller and Boiler Isolation

CHW and HHW Reset Controls

VSD on CHW, CW & WLHP Pumps >5HP

WLHP Isolation Valves

- 1. Provide equipment tags (e.g. CH 1 to 3) or system description (e.g. CHW loop) as appropriate. Multiple units with common
- requirements can be grouped together Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system. The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal

capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency

requirements are applicable (e.g. full- and part-load) include all. For chillers operating at non-standard efficiencies provide the Kadj values. For chillers also note whether the efficiencies are Path A or Path B.

140.4(h)4

140.4(k)

140.4(k)

140.4(k)

140.4(k)

- Identify if cooling towers have propeller fans. If towers use centrifugal fans document which exception is used. . If air-cooled chillers are used, document which exceptions have been used to comply with 140.4(j) and the total installed design
- capacity of the air-cooled chillers in the chilled water plant.
- Identify the existence of a completed MCH-06-E when open or closed circuit cooling towers are specified to be installed, otherwise enter "N/A".

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

STATE OF CALIFORNIA MECHANICAL SYSTEMS CERTIFICATE OF COMPLIANCE NRCC-MCH-01-E Mechanical Systems Project Name: Carmel Police Deperatment

A. MECHANICAL COMPLIANCE DOCUMENTS & WORKSHEETS (check box if worksheet is included For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2016 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated onto the building plans. YES NO Comp. Doc./Worksheet # Title NRCC-MCH-01-E (Part 1 of 3) Certificate of Compliance, Declaration. Required on plans for all submittals. NRCC-MCH-01-E (Part 2 of 3) Certificate of Compliance, Required Acceptance Tests (MCH-02-A to 11-A). Required on plans for all submittals. NRCC-MCH-01-E (Part 3 of 3) Certificate of Compliance, Required Acceptance Tests (MCH-12-A to 18-A). Required on plans where applicable. • NRCC-MCH-02-E (Part 1 of 2) Mechanical Dry Equipment Summary is required for all submittals with Central Air Systems. It is optional on plans. Mechanical Wet Equipment Summary is required for all submittals with chilled water, hot water or condenser water NRCC-MCH-02-E (Part 2 of 2) systems. It is optional on plans. Mechanical Ventilation and Reheat is required for all submittals with multiple zone heating and cooling systems. It is NRCC-MCH-03-E optional on plans. NRCC-MCH-07-E (Part 1 of 2) Power Consumption of Fans. Required on plans where applicable NRCC-MCH-07-E (Part 2 of 2) Power Consumption of Fans, Declaration. Required on plans where applicable

B. MECHANICAL HVAC ACCEPTANCE FORMS (check box for required compliance documents)

Test Performed By:

This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of

The contractor who installed the equipment is responsible to either conduct the acceptance test themselves or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible. Plancheck - The NRCC-MCH-01-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked.

Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations. MCH-02-A MCH-03-A MCH-04-A MCH-05-A MCH-06-A MCH-07-A MCH-08-A MCH-09-A MCH-10-A MCH-11-A System Automatic Single Zone Distribution Economizer Ventilation Supply Fan Valve Equipment Requiring Testing or Water Variable Demand Units Outdoor Air Unitary Ducts Controls (DCV) VAV Leakage Test Temp. Reset Flow Control Shed Control Verification

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

January 2016

CHITEC

K

STATE OF CALIFORNIA **MECHANICAL SYSTEMS** CALIFORNIA ENERGY COMMIS CERTIFICATE OF COMPLIANCE NRCC-MCH-01-E Mechanical Systems Page 2 of 3 Date Prepared: August 6, 2019 Project Name: Carmel Police Deperatment

. MECHANICAL HVAC ACCEPTANCE FORMS (check box for required compliance documents)

Test Performed By:

This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of

The contractor who installed the equipment is responsible to either conduct the acceptance test themselves or have a qualified entity run the test for them. If more than one person has responsible for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible.

Plancheck - The NRCC-MCH-01-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked. Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations. **Test Description**

MCH-12-A MCH-13-A MCH-14-A MCH-15-A MCH-16-A MCH-17-A MCH-18-A Automatic Fault Fault Detection | Detection & Distributed | Thermal Energy | Supply Air Equipment Requiring Testing or & Diagnostics | Diagnostics for | Energy Storage | Storage (TES) | Temperature | Water Reset # of Units | for DX Units | Air & Zone | DX AC Systems | Systems | Reset Controls | Controls

Add Row Remove Last

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

January 2016

STATE OF CALIFORNIA MECHANICAL SYSTEMS CERTIFICATE OF COMPLIANCE NRCC-MCH-01-E Page 3 of 3 Mechanical Systems Date Prepared: August 6, 2019 Project Name: Carmel Police Deperatment

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete Documentation Author Signature: Robert Stroshane ntation Author Name: Robert Stroshane Signature Date: August 6, 2019 Axiom Engineers, Inc. CEA/ HERS Certification Identification (if applicable) 22 Lower Ragsdale Drive, Suite A /State/Zip: Monterey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Compliance is true and correct.

- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance
- conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. nsible Designer Name Robert Stroshane Responsible Designer Signature: Robert Stroshane

Date Signed: August 6, 2019 Axiom Engineers, Inc. M33439 22 Lower Ragsdale Drive, Suite Aq Monterey, CA 93940 831-649-8000

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

January 2016

SHEET NUMBER

The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limit-ed to such use. Re-use, reproduction or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and

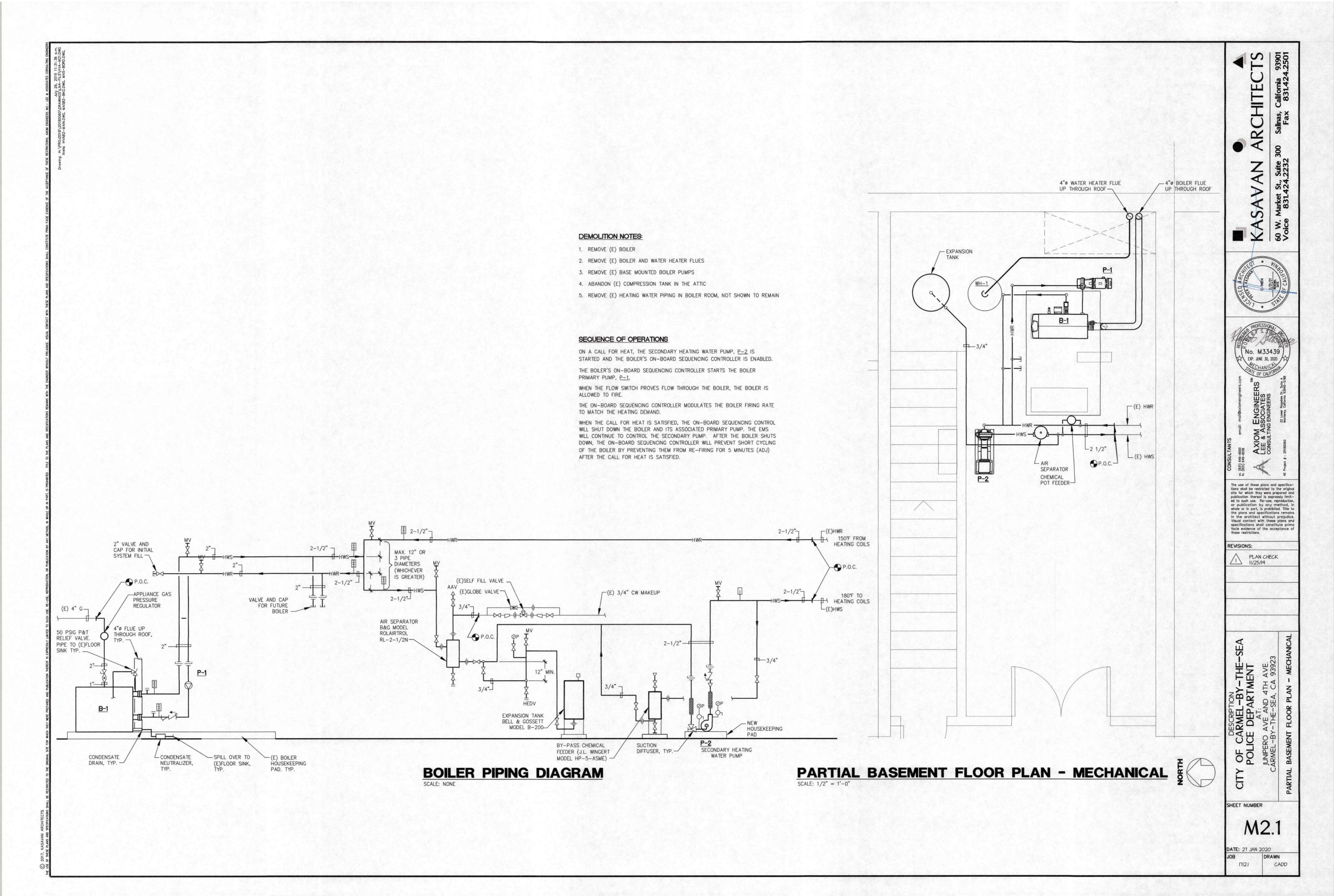
facie evidence of the acceptance of these restrictions.

PLAN CHECK

REVISIONS:

11/25/19

DATE: 27 JAN 2020 1712.1



4"Ø WATER HEATER FLUE UP AND DN— 4"Ø BOILER FLUE UP AND DN REFRIGERANT
LIQUID AND
SUCTION PIPING.
ROUTE IN (E)
SHEET METAL
PIPE CHASE. (E) E.O.C. The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions. REVISIONS: PLAN CHECK 11/25/19 COMMAND 210 STORAGE 211 DESCRIPTION

TY OF CARMEL-BY-THE-SEA
POLICE DEPARTMENT

AT:
JUNIPERO AVE AND 4TH AVE.
CARMEL-BY-THE-SEA, CA 93923 BASEMENT LEVEL FLOOR PLAN - MECHANICAL SCALE: 1/8" = 1'-0" CITY

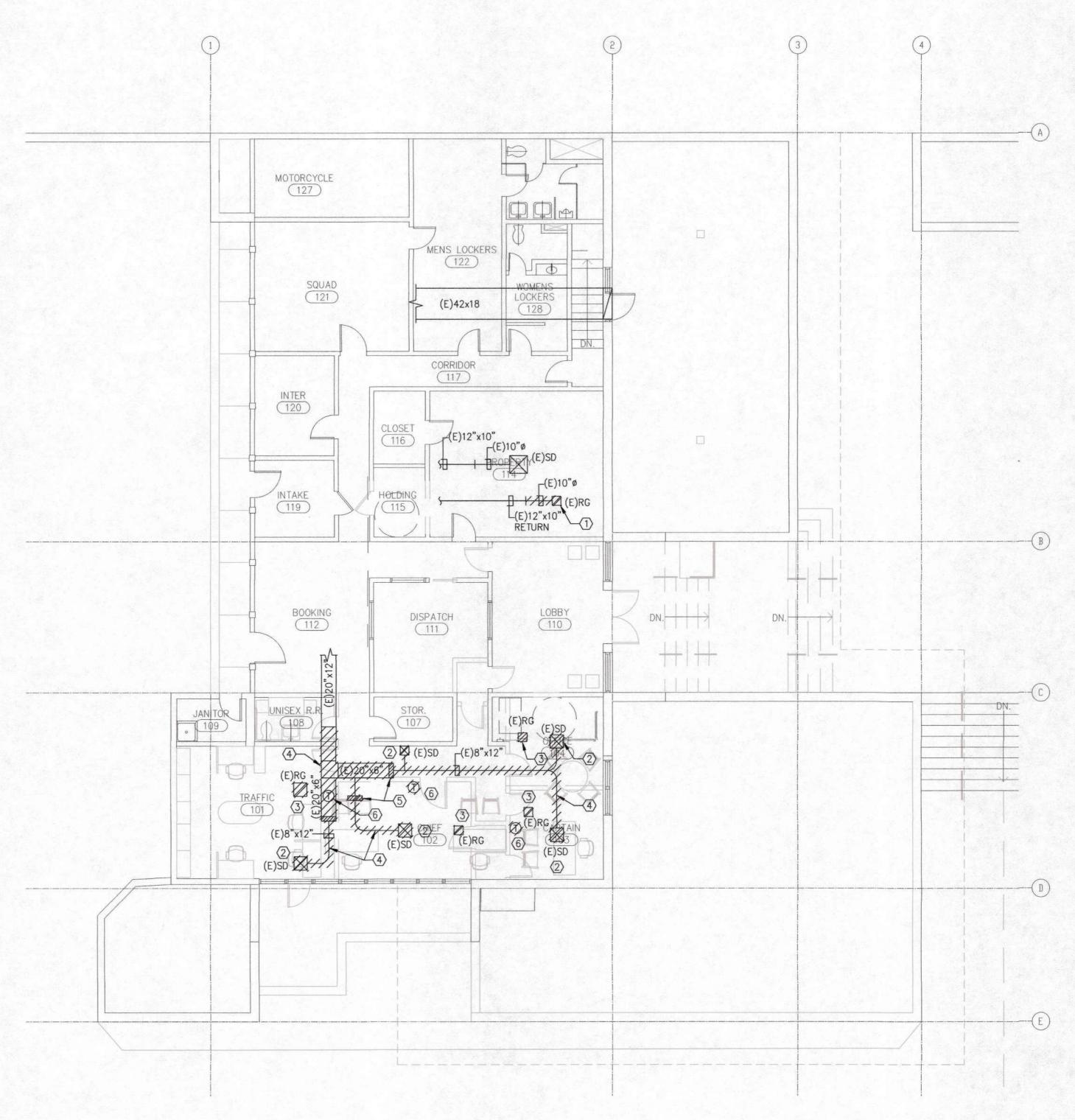
TE: 21 JAN 2020
B DRAWN

1712.1 CADD

SHEET NUMBER

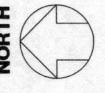
DEMOLITION NOTES:

- 1 REMOVE (E) RETURN GRILLE AND CAP DUCT.
- (2) REMOVE (E) SUPPLY DIFFUSER.
- (3) REMOVE (E) RETURN GRILLE.
- 4 REMOVE (E) DUCTWORK.
- 5 REMOVE (E) HOT WATER COIL AND CONTROL VALVE.
- 6 REMOVE (E) THERMOSTAT.

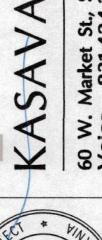


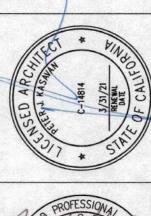
UPPER LEVEL FLOOR PLAN - MECHANICAL DEMOLITION

SCALE: 1/8" = 1'-0"



AVAN ARCHITE







The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

REVISIONS:

PLAN CHECK
11/25/19

PLAN CHECK 11/25/19

DESCRIPTION

OF CARMEL-BY-THE-SEA

POLICE DEPARTMENT

AT:
JUNIPERO AVE AND 4TH AVE.
CARMEL-BY-THE-SEA, CA 93923

UPPER LEVEL FLOOR PLAN -

SHEET NUMBER

CITY

M2.3

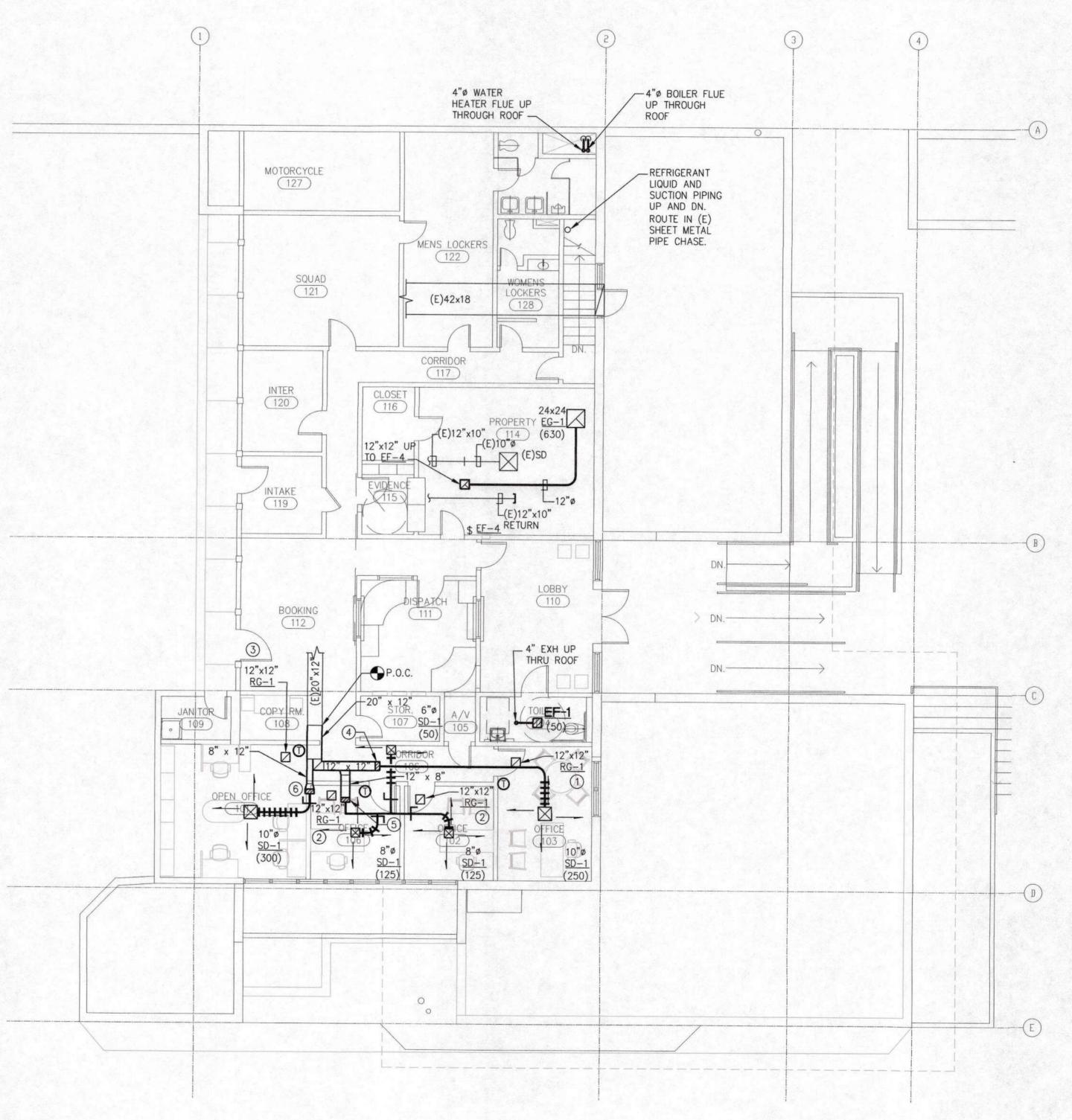
ATE: 27 JAN 2020

OB DRAWN

1712.1 CADD

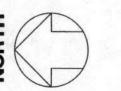
NOTES:

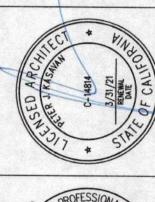
- TIE NEW RETURN GRILLE TO (E) RETURN DUCT FROM CAPTAIN 103 WITH 8"ø FLEX DUCT.
- (2) TIE NEW RETURN GRILLES TO (E) RETURN DUCT FROM CHIEF 102 WITH 8"ø FLEX DUCT.
- TIE NEW RETURN GRILLE TO (E) RETURN DUCT FROM TRAFFIC 101 WITH 10"0 FLEX DUCT.
- 4 HC-3 CONNECT TO (E) HWS AND HWR PIPING FROM DEMOLISHED COIL.
- (5) HC-2 CONNECT TO (E) HWS AND HWR PIPING FROM DEMOLISHED COIL.
- 6 HC-1 CONNECT TO (E) HWS AND HWR PIPING FROM DEMOLISHED COIL.



UPPER LEVEL FLOOR PLAN - MECHANICAL

SCALE: 1/8" = 1'-0"





The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re—use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

REVISIONS: PLAN CHECK 11/25/19

M2.4

1712.1 CADD

ROOF PLAN - MECHANICAL

SCALE: 1/8" = 1'-0"





The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

SHEET NUMBER

M2.5

DATE: 27 JAN 2020 JOB DRAWN CADD 1712.1

	PLUMBING	FI	KT	UF	RE	CONN	ECTIONS
MARK	DESCRIPTION	MIN W	BRAN V		HW	TRAP	REMARKS
WC-1	WATER CLOSET	3"	2"	1/2"	1	INTEGRAL	1
<u>L-1</u>	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	1 1/2"	1)
RD-1	ROOF DRAIN			-	-	-12	

1 PLUMBING FIXTURES AND FITTINGS TO MEET THE STANDARDS REFERENCED IN TABLE 4.303.1 OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE.

PLUMBING FIXTURE SPECIFICATION

FIXTURES SHALL BE COMPLETE WITH ALL FITTINGS, SUPPORTS, FASTNENING DEVICES, FAUCETS, VALVES, 17 GAUGE TRAPS, STOPS, CAULKING AND APPURTENANCES REQUIRED. FIXTURE COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED.

- WATER CLOSET WC-1: KOHLER K-3999 "HIGHLINE" TOILET, FLOOR MOUNTED, ELONGATED BOWL, 16-1/2"
 HIGH, 1.28 GALLONS PER FLUSH. PROVIDE TRIP LEVER ON ACCESSIBLE SIDE.
 SEAT: BEMIS SOLID PLASTIC SEAT, ELONGATED, MODEL 1955CT. EXTRA HEAVY DUTY, OPEN FRONT LESS
 COVER, CHECK HINGES WITH STAINLESS STEEL POSTS.
 STOPS & SUPPLY: KOHLER K-7637, ANGLE STOP, SINGLE WITH 1/2" NPT CONNECTION.
- LAVATORY L-1: KOHLER K-2007 "KINGSTON", ADA COMPLIANT WALL MOUNTED LAVATORY, SINGLE HOLE. FAUCET: MOEN COMMERCIAL, SOLID BRASS CONSTRUCTION FAUCET, MODEL 8419F05, 0.5 GPM. CARRIER: JAY R. SMITH MODEL 0722 WALL PLATE WITH ARMS.
- 3. ROOF DRAIN RD-1: JAY R. SMITH FIG. 1010Y WITH 3" OUTLET AND CAST-IRON DOME.

	WATER HEATERS											
MARK	LOCATION	GAL CAP	MBH IN	ELI KW	ECT V/PH	RECOVERY 90 F RISE	FULL WT	MAKE & MODEL	REMARKS			
<u>WH-1</u>	(E) MECH ROOM	50	50		120/1	51 GPH	460	AO SMITH HURL-50	12			

1 PROVIDE NEW EXPANSION TANK (AMTROL MODEL ST-5)

PROVIDE NEW HOT WATER RECIRCULATION PUMP (BELL & GOSSETT MODEL NBF-9U, 115V, 1PH, 0.40 FLA.)

	AIR COMPRESSORS										
MARK DESCRIPTION		CFM PRESS PSI HE		HP	MOTOR HP RPM V/PH		WT LBS	MAKE & MODEL	REMARKS		
AC-1	TWO -STAGE COMPRESSOR W/ 120 GAL. HORIZ. TANK	35	175	10	-	208/3	920	INGERSOLL RAND 2545E10-V200	1		

 \bigcirc FLA = 32.2 AMPS

5.303.3.3.2 MULTIPLE SHOWERHEADS: COMBINED FLOW RATE OF ALL SHOWERHEADS AND/OR

5.303.3.4.2 KITCHEN FAUCETS: ≤1.8 GPM AT 60 PSI; TEMPORARY INCREASE TO 2.2 GPM

5.303.3.4.5 METERING FAUCETS FOR WASH FOUNTAINS: ≤0.20 GALLONS PER CYCLE 20 [RIM

NOTE: WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER

OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8

GPM AT 80 PSI OR ONLY ONE SHOWERHEAD IS TO BE IN OPERATION AT A TIME.

2016 CALGREEN NON-RESIDENTIAL MANDATORY MEASURES:

5.303.3.1 WATER CLOSETS: ≤1.28 GAL/FLUSH

5.303.3.3.1 SINGLE SHOWERHEADS: ≤1.8 GPM AT 80 PSI

5.303.3.2 URINALS: ≤0.125 GAL/FLUSH

PLUMBING FIXTURES AND FITTINGS SHALL COMPLY WITH THE FOLLOWING:

5.303.3.4.1 NON-RESIDENTIAL LAVATORY FAUCETS: ≤0.5 GPM AT 60 PSI

5.303.3.4.3 WASH FOUNTAINS: ≤1.8 GPM/20 [RIM SPACE (INCHES) AT 60 PSI]

ALLOWED BUT SHALL DEFAULT TO 1.8 GPM

MEANS MAY BE USED TO ACHIEVE REDUCTION.

5.303.3.4.4 METERING FAUCETS: ≤0.20 GALLONS PER CYCLE

SPACE (INCHES) AT 60 PSI]

GENERAL NOTES:

- 1. THIS PROJECT IS A REMODEL. THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF THE WORK BASED ON OWNER PROVIDED RECORD DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VISIT SITE, VERIFY EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES NOTED TO THE ARCHITECT PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.
- 2. PLUMBING CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQUIRED DUE TO DEMOLITION OR INSTALLATION WORK.
- 3. REMOVE ALL ABANDONED PIPING, EQUIPMENT, AND FIXTURES INTERFERING WITH NEW WORK WHETHER NEW WORK IS ARCHITECTURAL, STRUCTURAL, MECHANICAL, OR ELECTRICAL.
- 4. ABANDON IN PLACE ALL PIPING NOT INTERFERING WITH NEW WORK UNLESS REQUIRED FOR CONTINUED SERVICE.
- CUTTING OR CORING OF STRUCTURAL MEMBERS OR FOOTINGS IS PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE ARCHITECT.
- 6. CONTRACTOR SHALL VERIFY THAT THE ELECTRICAL CONNECTIONS TO THE UNITS, INCLUDING CIRCUIT PROTECTION, CONFORM TO UNIT LABELS AND MANUFACTURER'S DIRECTIONS. WHERE WIRE SIZES SHOWN ON DRAWING EXCEED MANUFACTURER'S RECOMMENDATIONS, THE DRAWINGS SHALL GOVERN. ALL WIRING SHALL BE PER THE NATIONAL ELECTRICAL CODE.
- FLASHING AND WEATHERPROOFING AT EXTERIOR PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- 8. COORDINATE WITH OWNER ON SPACE REQUIRED AND TIME SCHEDULE FOR DELIVERY OF ALL ITEMS WHICH ARE TO BE GIVEN TO THE OWNER FOR HIS DISPOSITION.
- FOR ROOF PENETRATIONS WITHOUT CURBS, PROVIDE WEATHERPROOF FLASHING PER SMACNA ARCHITECTURAL SHEET METAL MANUAL AND DRAWING NOTES.
- 10. PRIME AND PAINT ALL EXPOSED PIPING PER ARCHITECTURAL SPECIFICATIONS. PAINT SHALL NOT EXCEED THE FOLLOWING VOLATILE ORGANIC COMPOUND CONTENT LIMITS: FLATS < 50 GRAMS PER LITER, NON-FLATS < 100 GRAMS PER LITER.</p>
- 11. COORDINATE WITH ELECTRICAL ON REQUIRED POWER OUTLETS AND LIGHT SWITCHES NEAR PLUMBING FOUIPMENT
- 12. BRACE ALL GAS PIPING THAT IS 1" NOMINAL OR LARGER. BRACE ALL PIPING IN MECHANICAL ROOMS THAT IS 1 1/4" NOMINAL OR LARGER. BRACE ALL PIPING 2 1/2" NOMINAL OR LARGER. PIPING SUSPENDED BY INDIVIDUAL HANGERS 12" OR LESS IN LENGTH, AS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUPPORT WHERE THE HANGER IS ATTACHED, NEED NOT BE BRACED.
- 13. ALL PIPING, VALVES, EQUIPMENT, ETC. SHOWN IS NEW UNLESS OTHERWISE NOTED.

CVALDOL	I A DODY	PLUMBING LE		
SYMBOL	ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION
	CW	COLD WATER (DOMESTIC)	CLG	CEILING
	HW	HOT WATER	CONC	CONCRETE
	HWR	HOT WATER RETURN	CONN	CONNECTION
	V	VENT	COORD	COORDINATE
TW	TW	TEMPERED WATER	CONST	CONSTRUCTION
TWR	TWR	TEMPERED WATER RETURN	DF	DRINKING FOUNTAIN
TP	TP	TRAP PRIMER LINE	DN	DOWN
—— F ———	F	FIRE WATER	DWGS	DRAWINGS
		SPRINKLER	(E)	EXISTING
— DSPKR ——		DRY SPRINKLER		ELECTRICAL
			ELEC	
-SPKR(D)-		DELUGE SPRINKLER	ELEV	ELEVATION
WSP —		WET STAND PIPE	EMBT	EMBEDMENT
DSP —		DRY STAND PIPE	EQUIP	EQUIPMENT
G	G	GAS (7"WC)	EWT	ENTERING WATER TEMPERATURE
MPG —	MPG	MEDIUM PRESSURE GAS	EXT	EXTERIOR
—— W ———	S OR W	SOIL OR WASTE ABOVE GRADE	FD	FLOOR DRAIN
w	S OR W	SOIL OR WASTE BELOW GRADE	FFE	FINISHED FLOOR ELEVATION
GW	GW	GREASE WASTE (ABOVE GROUND)	FLA	FULL LOAD AMPS
-GW	GW	GREASE WASTE (BELOW GROUND)	FLEX	FLEXIBLE
IW	1W	INDUSTRIAL WASTE (ABOVE GROUND)	FLR	FLOOR
IW	IW	INDUSTRIAL WASTE (BELOW GROUND)	FS	FLOOR SINK
	RWL	RAIN WATER LEADER	FPM	FEET PER MINUTE
RWL	RD	ROOF DRAIN		
			FT	FEET HEAD
ID	ID	INDIRECT DRAIN	FT HD	FEET HEAD
CD	CD	CONDENSATE DRAIN	GPM	GALLONS PER MINUTE
E——		CAP	GALV	GALVANIZED
	CONT	CONTINUATION	GA	GAUGE
M→ OR -₹		GATE VALVE	HP	HORSEPOWER
	Salla S	Since Trible	HR	HOUR
── ₩	SOV	SHUT-OFF VALVE	HZ	HERTZ
	GV	GLOBE VALVE	ID	INSIDE DIAMETER
——————————————————————————————————————		BUTTERFLY VALVE	IE	INVERT ELEVATION
<u> </u>		BALL VALVE	IN	INCH
<u> </u>	BV	BALANCING VALVE	INV	INVERT
— 以	CS	CIRCUIT SETTER	KW	KILOWATTS
 □≈	- 03	CINCOTT SETTEN		
		SOLENOID VALVE	LBS	POUNDS
			LG	LONG
		PRESSURE REDUCING VALVE	LRA	LOCKED ROTOR AMPS
			LVG	LEAVING
V	T&PRV	TEMP. & PRESS. RELIEF VALVE	LWT	LEAVING WATER TEMPERATURE
4	1001111	TEMP. & FRESS. RELEE TARET	MAX	MAXIMUM
T1 00 -21		ANCLE VALVE	MBH	1000 BTU PER HOUR
4- OK -W-	P. S. Prince	ANGLE VALVE	MCA	MINIMUM CIRCUIT AMPS
Q→.			MECH	MECHANICAL
	CKV	CHECK VALVE	MFR	MANUFACTURER
		STRAINER	MIN	MINIMUM
- 5			MOCP	MAXIMUM OVERCURRENT PROTECTION
OR Z	GC	GAS COCK	(N)	NEW
0			NC	NORMALLY CLOSED
 \	PRV	PRESSURE REGULATING VALVE	NO	NORMALLY OPEN
	GPR	GAS PRESSURE REGULATOR	NTS	NOT TO SCALE
- W	GPR			
		UNION	OC	ON CENTER
	FC	FLEXIBLE CONNECTION	OD	OUTSIDE DIAMETER
	Page 1788	PRESSURE/TEMPERATURE PLUG	PD	PRESSURE DROP
1 6 1	WHA	WATER HAMMER ARRESTOR	PH	PHASE
+6	НВ	HOSE BIBB	P/N	PART NUMBER
Φ	GCO/FCO	GRADE CLEANOUT/FLOOR CLEANOUT	PRESS	PRESSURE
ėl .	wco	WALL CLEANOUT	PRV	PRESSURE REDUCING VALVE
—(O)—		CIRCULATION PUMP (DOMESTIC)	PSI	POUNDS PER SQUARE INCH
F			P/T	PRESSURE/TEMPERATURE
Į.		THERMOMETER	QTY	QUANTITY
ØР	- 1 St.	PRESSURE GAUGE	REQD	REQUIRED
QΤ		TEMPERATURE GAUGE	REQS	REQUIREMENTS
	D O O			
•	P.O.C.	POINT OF CONNECTION	RLA	RATED/RUNNING LOAD AMPS
ę	1 2 34	CENTERLINE	RM	ROOM
Ø	DIA	DIAMETER	RPM	REVOLUTIONS PER MINUTE
	&	AND	RV	RELIEF VALVE
	0	AT	SOV	SHUT-OFF VALVE
	*F	DEGREES FAHRENHEIT	SPEC	SPECIFICATION
	AC	AIR CONDITIONER	STD	STANDARD
	AFF	ABOVE FINISH FLOOR	STRUCT	STRUCTURAL
	AMP	AMPERE	TEMP	TEMPERATURE
	APPROX	APPROXIMATE	TYP	TYPICAL
	ARCH	ARCHITECT/ARCHITECTURAL	V	VOLT
	BLDG	BUILDING	VTR	VENT THROUGH ROOF
	BT	BATHTUB	W/	WITH
	BTU	BRITISH THERMAL UNIT	WC	WATER COLUMN
	CFH	CUBIC FEET PER HOUR	WH	WATER HEATER
	CIRC	CIRCULATING	WM	WASHING MACHINE
			WT	WEIGHT
			The state of the s	

2 The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limit ed to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of REVISIONS: PLAN CHECK 11/25/19 DESCRIPTION

OF CARMEL—BY—THE—
POLICE DEPARTMENT

AT:
JUNIPERO AVE AND 4TH AVE.

© 2017, KASAVAN ARCHITECTS

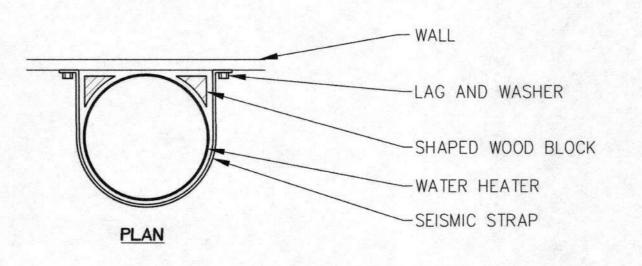
P0.1

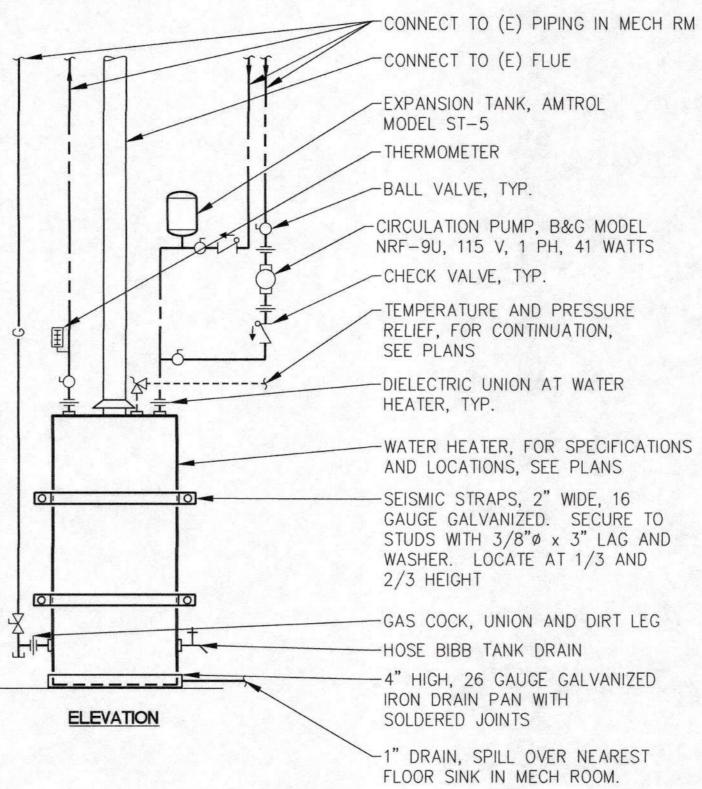
SHEET NUMBER

 DATE:
 27 JAN 2020

 JOB
 DRAWN

 I7I2.I
 CADD

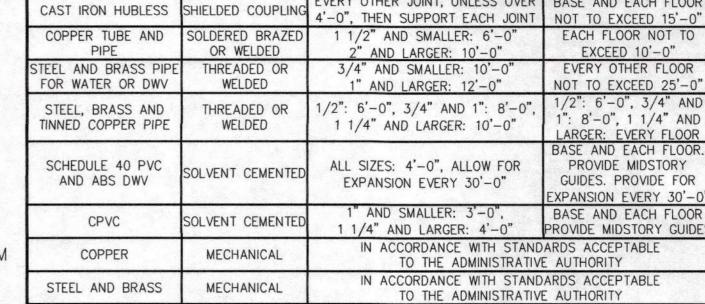




GAS WATER HEATER

NO SCALE

P0.2



MAXIMUM HANGER SPACING

HORIZONTAL

4'-0", THEN SUPPORT EACH JOINT NOT TO EXCEED 15'-0

MINIMUM HANGER SIZES

ROD SIZE DIAMETER

1/2"

TYPE OF JOINTS

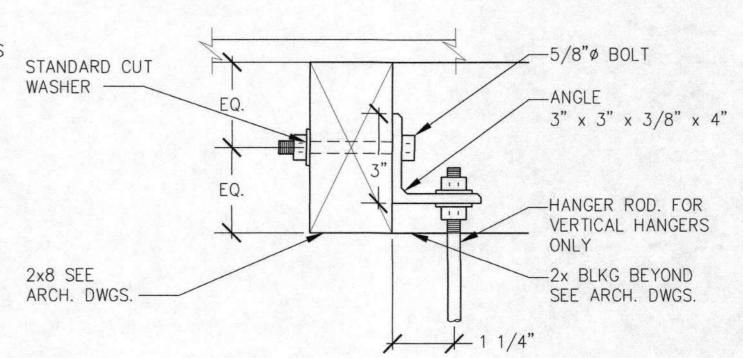
PIPE SIZE INCHES

1/2" - 4"

5" - 8"

MATERIALS

MINIMUM PIPE HANGER SIZE AND MAXIMUM SPACING NO SCALE (UNLESS SPECIFIED) P0.2

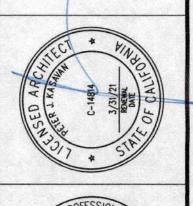


VERTICAL HANGER CONNECTION TO WOOD P0.2

NO SCALE

CHITEC AR SA 60 W. Voice

VERTICAL



CON 6. (831) 6. (831)

The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

REVISIONS:

PLAN CHECK 11/25/19

DESCRIPTION

OF CARMEL-BY-THEPOLICE DEPARTMENT

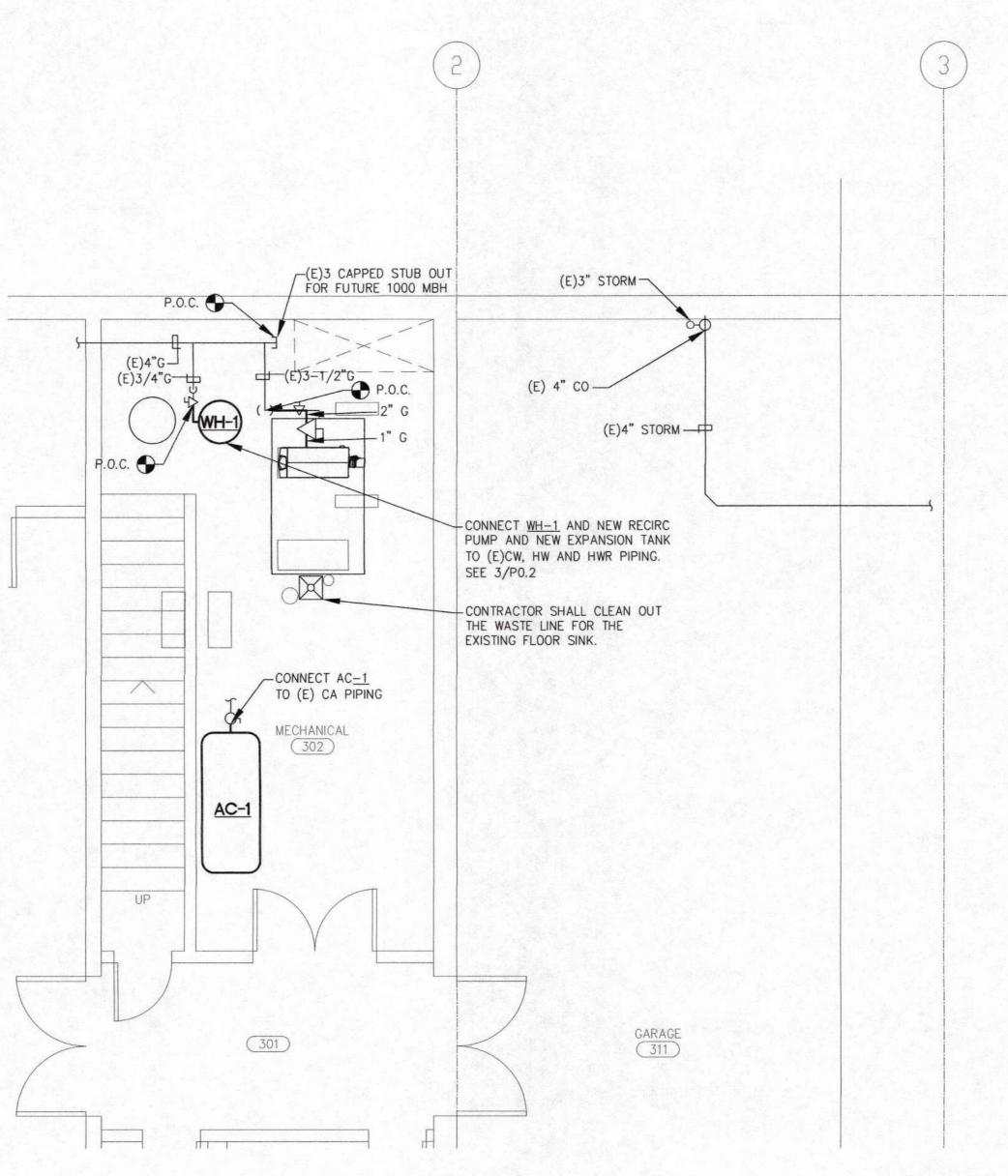
AT:
JUNIPERO AVE AND 4TH AVE.

CARMEL-BY-THE-SEA, CA 93923

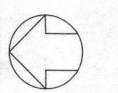
SHEET NUMBER

P0.2

DATE: 27 JAN 2020 DRAWN 1712.1 CADD



PARTIAL BASEMENT FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



CONSULTANTS

vc. (831) 649-8000 email: mail@axiomengineers.com
fx. (831) 649-8000 email.

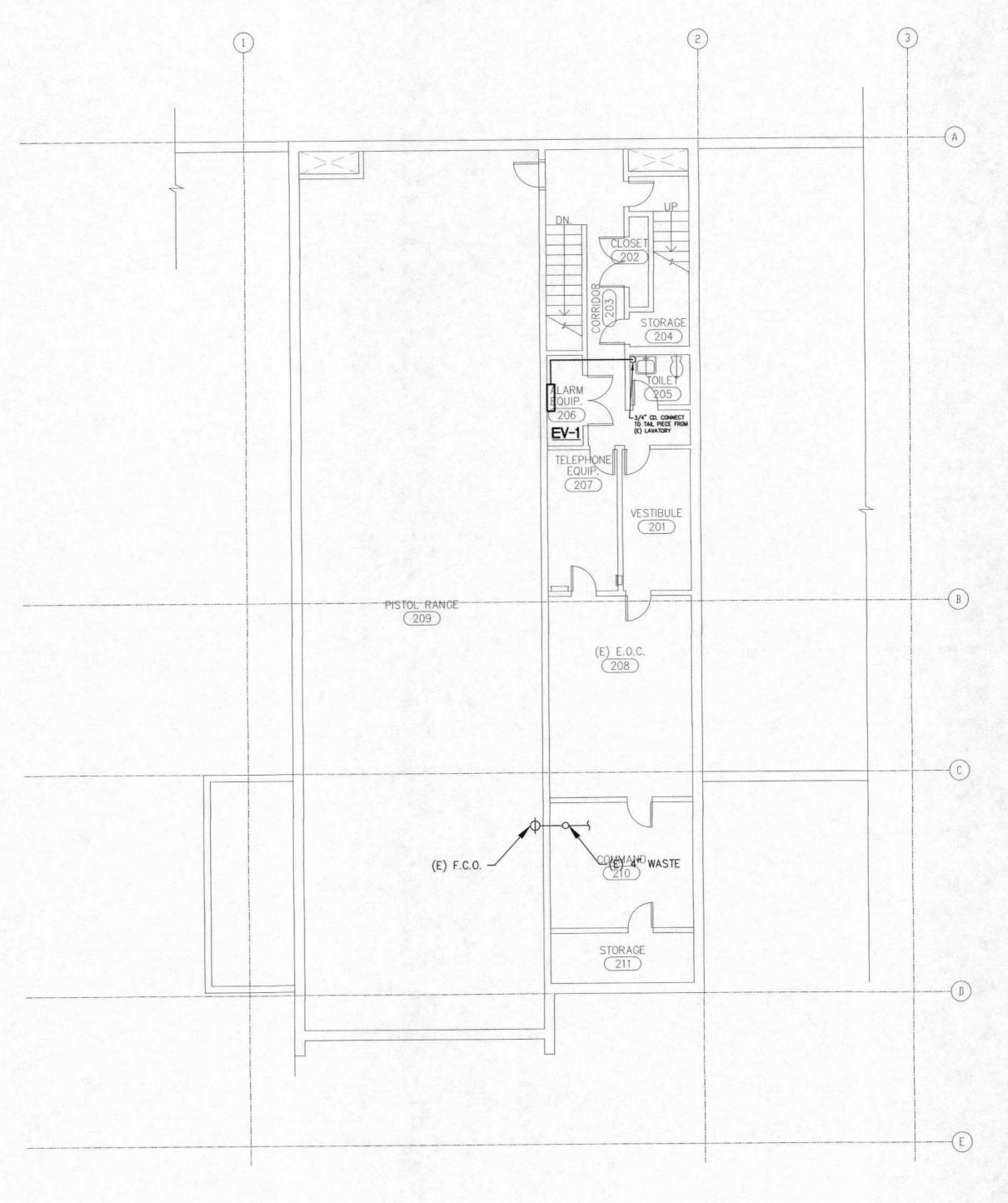
The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

REVISIONS:

PLAN CHECK 11/25/19

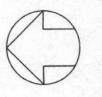
SHEET NUMBER

DATE: 27 JAN 2020 DRAWN CADD 1712.1



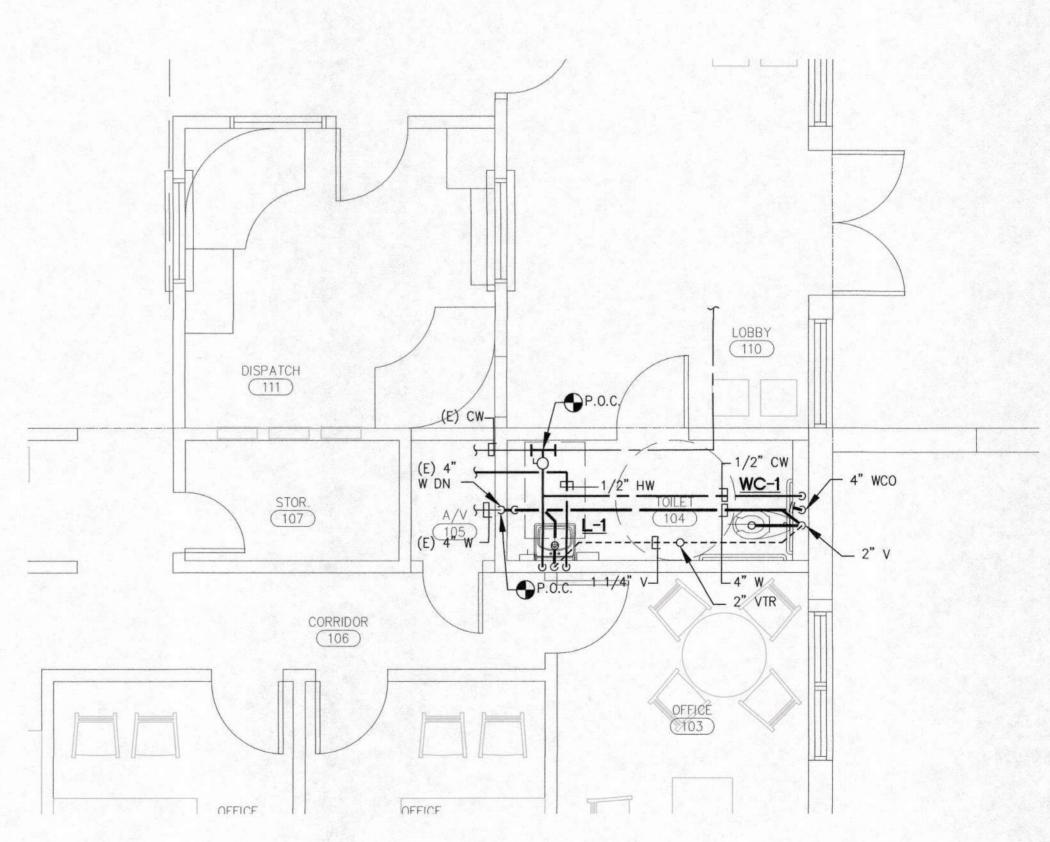
INTERMEDIATE LEVEL FLOOR PLAN - PLUMBING

SCALE: 1/8" = 1'-0"



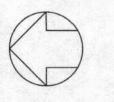
The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions. REVISIONS: PLAN CHECK
II/25/19 SHEET NUMBER

> 1712.1 CADD



PARTIAL UPPER LEVEL FLOOR PLAN - PLUMBING

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



AXIOM ENGINEERS
LEE & ASSOCIATES
CONSULTING ENGINEERS The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions. REVISIONS: PLAN CHECK 11/25/19 DESCRIPTION

OF CARMEL—BY—THE—
POLICE DEPARTMENT

AT:
JUNIPERO AVE AND 4TH AVE. CITY

SHEET NUMBER

1712.1

CADD

CADD 1712.1

GENERAL CONSTRUCTION NOTES

- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
- 2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS
- CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
- 5. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS
- ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND
- 7. CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.

INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.

- 8. CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
- 10. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
- 11. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
- 12. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NOT ALLOWED.
- 13. ALL 120/277V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.
- 14. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS
- 15. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE. PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
- 16. CONTRACTOR SHALL, PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE DATA AND TELEPHONE SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK.
- 17. CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION
- 18. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. CUT AND PATCH EXISTING WALLS WHERE NECESSARY. WHERE IT IS NECESSARY TO CUT OR BORE EXISTING STRUCTURAL WALLS FOR NEW ELECTRICAL WORK OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO STARTING WORK. REUSE (E) CONDUIT WHERE POSSIBLE.
- 19. WHERE IT IS NOT POSSIBLE TO REUSE (E) CONDUIT OR RUN (N) CONCEALED CONDUIT USE NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- 20. EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
- 21. EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
- 22. ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY ELECTRICAL ENGINEER BEFORE ROUGH-IN. CONTRACTOR IS TO DETERMINE THE ACCESSIBILITY OF ATTIC, FURRED SPACE, HOLLOW MULLIONS, ETC. IN EACH AREA AND REVIEW WITH ENGINEER. IF SYSTEM CAN BE ROUTED CONCEALED EITHER BY FISHING OR ACCESSIBILITY, CONTRACTOR IS TO DO SO. IF INACCESSIBILITY IS DETERMINED, CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAY IN THE MOST AESTHETICALLY PLEASING MEANS AS DETERMINED BY THE THE ENGINEER NO ALLOWANCE FOR ADDITIONAL COMPENSATION DUE TO ROUTING AS DIRECTED BY THE ENGINEER WILL BE MADE.
- 23. CONTRACTOR SHALL SUBMIT LIGHTING CONTROL ACCEPTANCE (NRCA) & INSTALLATION (NRCI) CERTIFICATE PERSCRIBED PER CALIFORNIA ENERGY CODE. SEE ELECTRICAL SPECIFICATIONS SECTION 260923 FOR MORE INFORMATION.

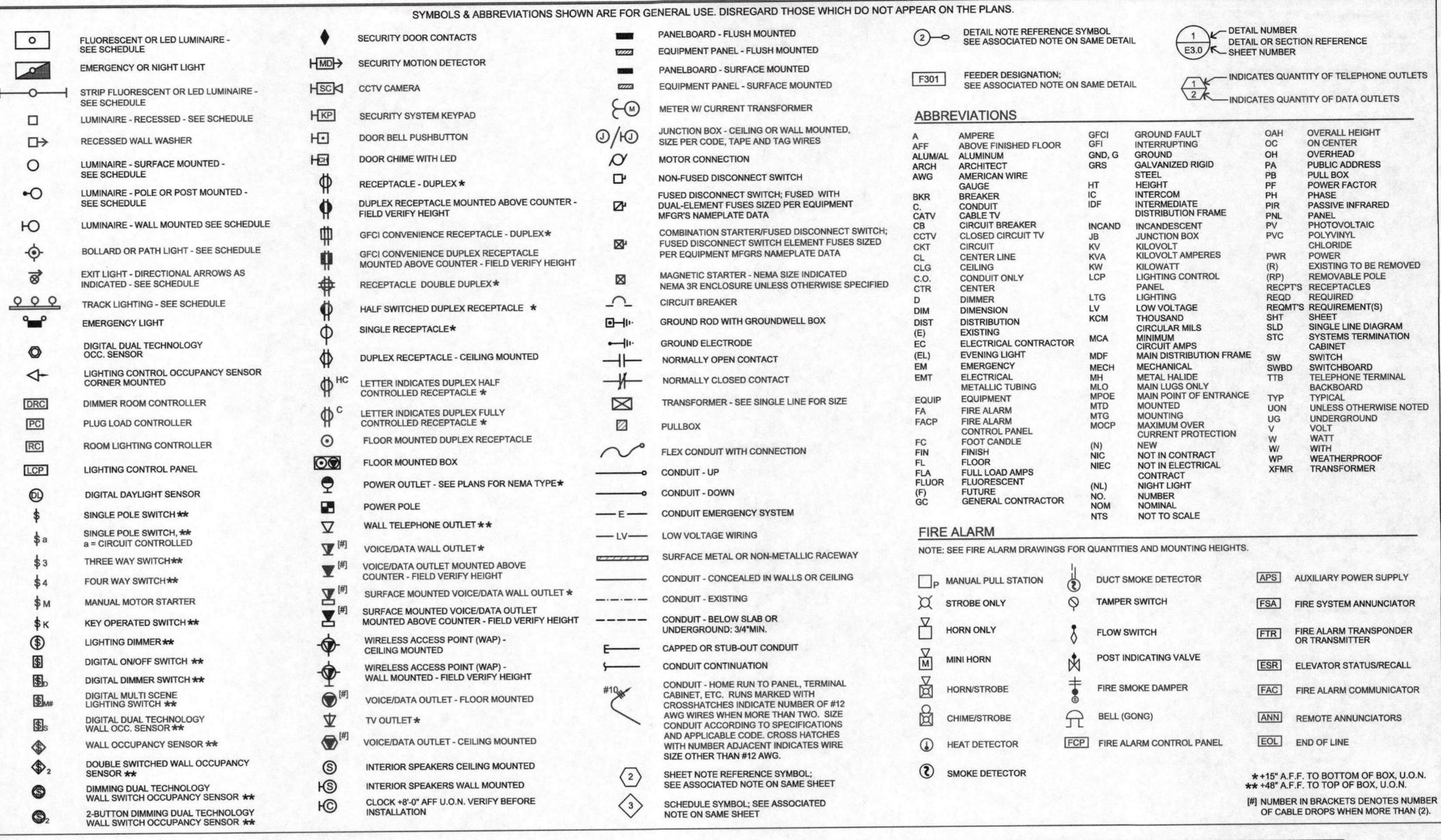
LIGHT FIXTURE SCHEDULE

FIXTURE NOTES:

- 1. LED LIGHT FIXTURE BALLASTS/DRIVERS SHALL BE ELECTRONIC TYPE, 10% TOTAL HARMONIC DISTORTION MAXIMUM.
- 2. LED LIGHT MODULES SHALL BE ENERGY SAVING 3500° K, 80 CRI MINIMUM, U.O.N. (SEE SPECIFICATIONS FOR MORE INFORMATION).
- 3. LED DRIVERS (AND ASSOC. FIXTS.) SHALL HAVE MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH CALIFORNIA ENERGY COMMISSION STANDARDS AND REQUIREMENTS, WHERE SUCH ARE USED IN CONDITIONED SPACES.
- EXIT SIGNS, EMERGENCY LIGHTS AND LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL SUPPLY A MINIMUM DURATION OF 90 MINUTES OF POWER IN THE EVENT OF A POWER OUTAGE/FAILURE.

TYPE		DESCRIPTION	LAMPS	MANUFACTURER
Α	1	6" DIA. RECESSED LED DOWNLIGHT FIXTURE, NEW CONSTRUCTION WITH MOUNTING HANGERS, 2000 LUMENS, WIDE BEAM SPREAD, COMFORT CLEAR REFLECTOR, POLISHED TRIM, 0-10V DIMMING DRIVER, UNIVERSAL VOLTAGE.	23W LED	PHILIPS LIGHTOLIER C6L SERIES (OR EQUAL)
AE	10	SAME AS FIXTURE TYPE "A" EXCEPT WITH EM BATTERY PACK AND 1500 LUMENS.	15W LED	PHILIPS LIGHTOLIER C6L SERIES (OR EQUAL)
В		4' x 10' SURFACE MOUNT LED LIGHT FIXTURE, FROSTED RIBBED ACRYLIC LENS, ELECTRONIC DRIVER, 120V.	25W LED	H.E. WILLIAMS 39 SERIES (OR EQUAL)
С		4' WALL MOUNTED DIRECT/INDIRECT LED LIGHT FIXTURE. FROST WHITE DIFFUSER, BOOSTED UPLIGHT OUTPUT, BOOSTED DOWNLIGHT OUTPUT, FINISH PER ARCHITECT, 0-10V ELECTRONIC DRIVER, 120V.	38W LED	FINELITE HP-4 SERIES (OR EQUAL)
D1		8'-0" x 2" PENDANT MOUNT DIRECT/INDIRECT LED LIGHT FIXTURE, STANDARD UPLIGHT AND HIGH DOWNLIGHT OUTPUT TG LENS UPLIGHT, FLUSH LENS DOWNLIGHT, FLAT END CAPS, SINGLE CIRCUIT, 0-10V DIMMING DRIVER, 120V.	86W LED	FINELITE HP-2 ID SERIES (OR EQUAL)
D2		SAME AS LIGHT FIXTURE TYPE 'D1' EXCEPT 6'-0" LONG.	65W LED	FINELITE HP-2 ID SERIES (OR EQUAL)

ELECTRICAL SYMBOLS & ABBREVIATIONS



LIGHT FIXTURE SCHEDULE CONTINUED

TYPE		DESCRIPTION	LAMPS	MANUFACTURER
E		EXIT SIGN, WHITE THERMOPLASTIC HOUSING, GREEN LETTERS, LED LAMPS, EMERGENCY BATTERY BACK-UP, BATTERY CHARGER AND SELF-TESTING ELECTRONICS, SEE PLANS FOR NUMBER OF FACES, ARROWS AND MOUNTING REQUIRED, 120/277V.	LED INCLUDED W/ FIXT.	EMERGI-LITE PREMIER LED EXIT SERIES (OR EQUAL)
F		2' x 2' T-BAR LAY-IN LED LIGHT FIXTURE, ANGLED DOOR, ROUND CENTER OPTICS, VERY HIGH LIGHT OUTPUT, 0-10V DIMMING DRIVER, 120V.	59W LED	FINELITE HPR LED SERIES (OR EQUAL)
FE		SAME AS LIGHT FIXTURE TYPE "F" EXCEPT WITH AN ADDITIONAL EMERGENCY BATTERY PACK.	59W LED	FINELITE HPR LED SERIES (OR EQUAL)
XA		7" W x 4" H x 2 ½" DEEP WALL MOUNTED LED LIGHT. DIE-CAST ALUMINUM HOUSING, SILICONE RUBBER GASKETS, MARINE GRADE FINISH, FINISH COLOR PER ARCHITECT, 120-277V. WET LOCATION LISTED.	6W LED 3000°K	BEGA 22 261 SERIES (OR EQUAL)
XB	100	4 %" DIA. RECESSED LED DOWNLIGHT FIXTURE. WIDE BEAM, FINISH PER ARCHITECT, ELECTRONIC DRIVER, 120V.	11W LED 3000°K	BEGA 55924 SERIES (OR EQUAL)

APPLICABLE CODES & STANDARDS

- 2016 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1.
- 2. 2016 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2015 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.
- 3. 2016 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2014 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
- 4. 2016 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2015 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.
- 5. 2016 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2015 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.
- 2016 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
- 2016 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2015 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
- 8. 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
- 9. 2016 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
- 10. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 11. NATIONAL FIRE ALARM CODE (NFPA 72) 2016.
- 12. CITY OF CARMEL-BY-THE-SEA ORDINANCES, CODES, AND REGULATIONS.

STANDARDS:

- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- 2. ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
- 4. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

5. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)

- 6. UNDERWRITER LABORATORIES (UL)
- 7. CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

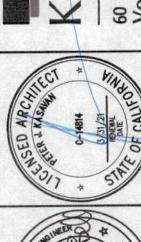
SHEET INDEX

- E0.1 SYMBOLS, ABBREVIATIONS, LIGHT FIXTURE SCHEDULE, CODES, STANDARDS & SHEET INDEX.
- E0.2 CALIFORNIA ENERGY COMPLIANCE TITLE 24 (BUILDING INTERIOR).
- E0.3 CALIFORNIA ENERGY COMPLIANCE TITLE 24 (BUILDING EXTERIOR).
- E1.1 ELECTRICAL SINGLE LINE DIAGRAM & PANELBOARD
- SCHEDULES.
- E3.1 ELECTRICAL DEMOLITION PLAN PARTIAL INTERMEDIATE
- E3.1A ELECTRICAL DEMOLITION PLAN PARTIAL INTERMEDIATE
- E3.2 ELECTRICAL DEMOLITION PLAN PARTIAL UPPER FLOOR.
- E3.2A ELECTRICAL DEMOLITION PLAN PARTIAL UPPER FLOOR.
- E4.0 POWER & SYSTEMS PLAN PARTIAL BASEMENT FLOOR.
- E4.0A POWER & SYSTEMS PLAN PARTIAL BASEMENT FLOOR.
- E4.1 POWER & SYSTEMS PLAN PARTIAL INTERMEDIATE FLOOR.
- E4.2 POWER & SYSTEMS PLAN PARTIAL UPPER FLOOR.
- E4.2A POWER & SYSTEMS PLAN PARTIAL UPPER FLOOR

- E6.2 ELECTRICAL DETAILS.

E4.1A POWER & SYSTEMS PLAN - PARTIAL INTERMEDIATE FLOOR. E4.3 POWER PLAN - ROOF. E5.2 LIGHTING PLAN - PARTIAL UPPER FLOOR. E5.2A LIGHTING PLAN - PARTIAL UPPER FLOOR. E6.1 ELECTRICAL DETAILS.

Ш





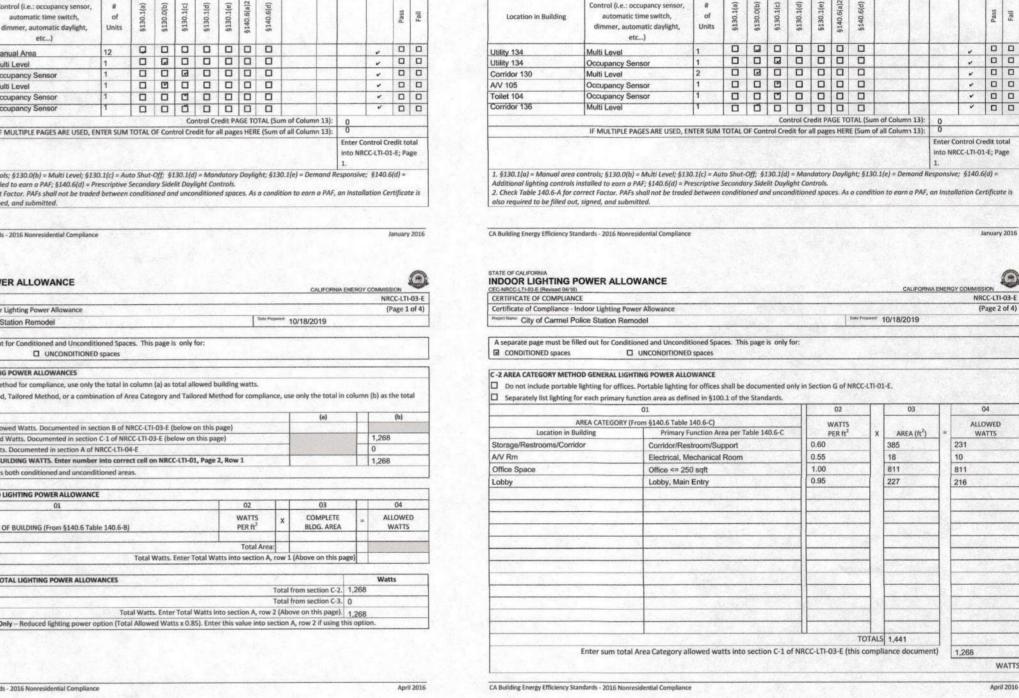
The use of these plans and specificasite for which they were prepared and publication thereof is expressly limitwhole or in part, is prohibited. Title to the plans and specifications remains

Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of

PLAN CHECK 12/05/19

The content of the	Police Station Remodel Dute Prepared: 10/18/2019	Indoor Lighting (Page 2 of 6) Project Name: City of Carmel Police Station Remodel Date Prepared: 10/18/2019 C. Summary of Allowed Lighting Power
The property of the property	onditioned Floor Area: 1,441 nconditioned Floor Area: 0 Q Nonresidential High-Rise Residential Hotel/Motel	Indoor Lighting Power for Conditioned Spaces Indoor Lighting Power for Unconditioned Spaces Watts Watts
	□ Relocatable Public Schools ☑ Conditioned Spaces □ Unconditioned Spaces ☑ New Construction □ Addition □ Alteration	01 NRCC-LTI-01-E, Table H, page 5 + 1,31/ NRCC-LTI-01-E, Table H, page 5 + U Portable Only for Offices 4
The control of the	□ Complete Building ☑ Area Category □ Tailored we & 4th Ave.	O3 Minus Lighting Control Credits NRCC-LTI-02-E, page 2 NRCC-LTI-02-E, page 2 Adjusted Installed Lighting Power
## Company of the Com	uments (select yes for each document included) use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.	(row 1 plus row 2 minus row 3) (row 1 minus row 3) (row 1 minus row 3) Complies ONLY if Installed ≤ Allowed (Box 04 < Box 05) Complies ONLY if Installed ≤ Allowed (Box 04 < Box 05)
Marriagness	COMP. DOC. TITLE NRCC-LTI-01-E Certificate of Compliance. All Pages required on plans for all submittals.	Conditioned NRCC-LTI-03-E, page 1 Unconditioned NRCC-LTI-03-E, page 1 1,268 0
The content of the	NRCC-LTI-03-E Indcor Lighting Power Allowance	50/35% lower power compared to the original existing luminaires, lower power compared to the original existing luminaires, lower power compared to the original existing luminaires, may
Windows Wind		
The control of the		YES NO Compliance Document/Title
1		to be recognized for compliance.
1		overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance. NRCI-LTI-D4-F - Must be submitted for two interlocked systems serving an auditorium, a convention center, a
The control of the		conference room, a multipurpose room, or a theater to be recognized for compliance. NRCI-LTI-05-E - Must be submitted for a Power Additional wottage installed in a video conferencing studio to be recognized for the property of the prop
MICHAEL MICH	tandards - 2016 Nonresidential Compliance April 2016	compliance.
Control Cont	<u></u>	
Windows Wind	CE NRCC-LTI-01-E (Page 5 of 6)	CEC NRCCLTI-01-E (Revised 04/16) CERTIFICATE OF COMPLIANCE Indoor Lighting CRASSING (Page 6 of 6)
Management Man		DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
The control of the	☐ UNCONDITIONED SPACE	Documentation Author Rume: Eldridge O. Bell Documentation Author Signature:
The control of the		Address: 60 Garden Court, Suite 210 CEA Certification Identification (if applicable): E17789
1	ote Luminate Description	RESPONSIBLE PERSON'S DECLARATION STATEMENT
Company Comp	to de	 The Information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance
		 The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance
The control of the		documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the
10 10 10 10 10 10 10 10		Responsible Designer Name: Eldridge O. Bell Responsible Designer Signature:
Triange CONTROLS	0 0 0	Address 60 Garden Ct, Suite 210 License E17789
TRIBLE CONTROLS Part of the Control of the Contr	INSTALLED WATTS PAGE TOTAL: 118 Enter sum total of all pages into	Monterey, CA 93940 831-646-3330
Into MICCE 1016 ct Page 1 Into MICCE 1016 ct Pa	Standards Complying With Standards Complying With (* all that apply, or enter 'E' if Exempted) Pall to Display	Lighting Control Schedule
Additional largest control personal better control per	Enter Control Credit total	1
ERALLOWANCE Observation (1978) Observation (into NRCC-LTI-01-E; Page 1. controls; \$130.0(b) = Multi Level; \$130.1(c) = Auto Shut-Off; \$130.1(d) = Mandatory Daylight; \$130.1(e) = Demand Responsive; \$140.6(d) =	Additional lighting controls installed to earn a PAF; \$140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. 2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is
STANDAY CONSIDERATION AND CONTINUES AND CONT	1.	
Services (19) of Carmel Police Station Ramodel The Conditioned and Unconditioned Spaces. This page is only for: UNCONINTENT (From Table 340-6-C Footnotes) OS OF	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is t, signed, and submitted.	CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 201
UNCONSTITIONAL LOWERING from Table 180.6-C Footnotes) Westage Additional Os	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE	STATE OF CALIFORNIA INDOOR LIGHTING POWER ALLOWANCE CEC-INCCL-11-03-E (Revised On-16) CALIFORNIA ENERGY COMMISSION
Additional Vattage Wattage Wattage Wattage (02 x 03) Description(s) and Quantity of Special Lummaire Types in each Primary Function Area Watta Allowance (02 x 03) Unmaire Types in each Primary Function Area Watta (03 x 03) Unmaire Types in each Primary Function Area Watta (03 x 03) Unmaire Types in each Primary Function Area Watta (03 x 03 x 03) Unmaire Types in each Primary Function Area Watta (03 x 03 x 03) Unmaire Types in each Primary Function Area Watta (03 x 03	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; \$140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is t, signed, and submitted. POWER ALLOWANCE CALIFORNIA ENERGY COMMISSION POWER ALLOWANCE Indoor Lighting Power Allowance (Page 3 of 4) Disce Proguest: 10/18/2019	STATE OF CALIFORNIA INDOOR LIGHTING POWER ALLOWANCE GEC. NIFICCLTI-0.3-E (Revised dut 16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Outer Propert Name: City of Carmel Police Station Remodel Dispert Name: City of Carmel Police Station Remodel
Addisonal Wistage Watts Description(s) and Quantity of Special Luminaire Types in each Primary function Area Watts 1 Total Design Smaller of Oct or 66 Use 1 Total Annual Primary Function Area Watts 2 Total Design Smaller of Oct or 66 Use 1 Total	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF, §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Footor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is t, signed, and submitted. POWER ALLOWANCE CALIFORNIA ENERGY COMMISSION NRCC-LT-03-E Indoor Lighting Power Allowance (Page 3 of 4) Disse Propage: 10/18/2019 Illed out for Conditioned and Unconditioned Spaces. This page is only for: UNCONDITIONED spaces	STATE OF CALIFORNIA INDOOR LIGHTING POWER ALLOWANCE GCC-NIFICLIT-03-E (Revised 04/16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Propert Name: City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Signature: Documentation Author Si
1. It is a significant of the building design or system design identified on this Certificate of Compliance for compliance for compliance conforms to the requirements of Tital 2, Part 1 and Part 6 of the California Code of Regulations. 1. It is enough features an aperformance specification, materials, consponents, and manufactured devices for the building design or system design identified on this Certificate of Compliance according to the California Code of Regulations. 1. The building design or system design identified on this Certificate of Compliance according to the California Code of Regulations. 2. The building design or system design identified on this Certificate of Compliance according to the California Code of Regulations. 3. The energy features of System design features of System of Compliance accordinates of Compliance according to the California Code of Regulations. 4. The building design or system design identified on this Certificate of Compliance accordinates of Compliance according to the California Code of Regulations. 4. The building design or system design identified on this Certificate of Compliance accordinates of the California Code of Regulations. 4. The building design or system design identified on this Certificate of Compliance accordinates of Compliances accordinates of the California Code of Regulations. 5. I will ensure that a completed specification, substituted to the enforcement agency for agency by this Certificate of Compliances accordinates the building enter the Accordinates of Compliances accordinates the building enter th	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; \$140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is t, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compilance January 2016 CALIFORNIA ENERGY COMMISSION NRCC-LTI-03-E Indoor Lighting Power Allowance (Page 3 of 4) Dice Station Remodel Date Propared: 10/18/2019 DIGE ON ADDITIONAL UIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) 02 03 2 04 05 06 07	STATE OF CALIFORNIA INDOOR LIGHTING POWER ALLOWANCE CEC-MINCOLTI-03-E (Revisade 04-16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Project Name: City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name: Eldridge O. Bell Company: Aurum Consulting Engineers 60 Garden Court, Suite 210 CEA Certification (if applicable): E17789
TOTALS—Enter into TOTAL ABEA CATEGORY METHOD ADDITIONAL ALLOWANCES—Section C:1	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE CE NRCC-1T-03-E Indoor Lighting Power Allowance (Page 3 of 4) Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 OD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) OZ 03 2 04 05 06 07 ALLOWED WATTS Smaller of Wattage Watts Allowance Description(s) and Quantity of Special Total Design Smaller of	STATE OF CALIFORNIA INDOOR LIGHTING POWER ALLOWANCE GEC-MINCOLTI-03-& (Revisided 60/16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance (Page 4 of 4) Project Name: City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Signature: Murry Documentation Author Signature: Murry Aurry Aurry Aurry Aurry Conspany: Aurry
documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permits application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permits generally is used with the building permits generally is used available with the building permits generally supplied provides available with the building permits generally supplied available with the building permits generally supplied available with the building permits generally supplied available with the building perm	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE CE NRCC-1T-03-E Indoor Lighting Power Allowance (Page 3 of 4) Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 OD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) OZ 03 2 04 05 06 07 ALLOWED WATTS Smaller of Wattage Watts Allowance Description(s) and Quantity of Special Total Design Smaller of	STATE OF CALIFORNIA INDOOR LIGHTING POWER ALLOWANCE GCC-MPCC-LT1-03-E (Revision dot-16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Propert Name: City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name: Eldridge O. Bell Company: Aurum Consulting Engineers Address: 60 Garden Court, Suite 210 City/Statin/Tips: Monterey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the States of California: 2. I am eligible under Division 3 of the States is true and correct. 3. I am eligible under Division 3 of the States is true and correct. 3. I am eligible under Division 3 of the States is true and correct. 3. I am eligible under Division 3 of the States is true and correct. 4. I am eligible under Division 3 of the States is true and correct. 5. I am eligible under Division 3 of the States is true and correct. 5. I am eligible under Division 3 of the States is such as a Carment of the building design or system design identified on this Certificate of Compliance
builder provides to the building owner at occupancy. Repossible Company: Aurum Consulting Engineers One Signed: Company: Aurum Consulting Engineers One Signed: Company: Aurum Consulting Engineers Address: 80 Garden Ct, Suite 210 Crig/State/Op: Montlerey, CA 93940 Phone: 831-846-3330 Crig/State/Op: Montlerey, CA 93940 Phone: 831-846-3330	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE CE NRCC-1T-03-E Indoor Lighting Power Allowance (Page 3 of 4) Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 OD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) OZ 03 2 04 05 06 07 ALLOWED WATTS Smaller of Wattage Watts Allowance Description(s) and Quantity of Special Total Design Smaller of	STATE OF CALIFORNIA INDOOR Lighting Power AlLOWANCE GEO.RIPCATL-03-E (Revised Out-10) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Propert Name: City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name: Eldridge O. Bell Campany: Aurum Consulting Engineers Address: 60 Garden Court, Suite 210 City/State/Tip: Monitorey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer).
Company: Aurum Consulting Engineers Address: 60 Garden Ct, Suite 210 Uservise: E17789 TOTALS Enter Into TOTAL AREA CATEGORY METHOD ADDITIONAL ALLOWANCES - Section C-1 . 0 Is allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square foot. In allowance for white board or chalk board, All other additional Area Category allowances shall use watts per square	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE CE NRCC-1T-03-E Indoor Lighting Power Allowance (Page 3 of 4) Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 OD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) OZ 03 2 04 05 06 07 ALLOWED WATTS Smaller of Wattage Watts Allowance Description(s) and Quantity of Special Total Design Smaller of	INDOOR LIGHTING POWER ALLOWANCE GECHROCALT-03- (Revised 04/16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Project Name City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Leerlify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name Eldridge O. Bell Campany: Aurum Consulting Engineers Address: 60 Garden Court, Suite 210 Chylistatolips Moniterey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT 1 certify the following under penalty of perjuny, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. Lam eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsibilities designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on othis Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features where the sign features identified on othis Certificate of Compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. Will ensure that a completed signed coy of this Certificate of Compliance and consistent with the information provided on other application. 5. Will ensure that a completed signed coy of this Certificate of Compliance and consistent with the information provided on other application. 5. Will ensure that a completed signed coy of this Certificate of Compliance and consistent with the information provided on other application. 5. Will ensure that a completed signed coy of this Certificate of Compliance and consistent with the information provided on other applica
TOTALS - Enter into TOTAL AREA CATEGORY METHOD ADDITIONAL ALLOWANCES - Section C-1 . 0 I allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot. Inly when allowed according to the footnotes on bottom of Table 140.6-C, which include: Specialized task work; Ornamental lighting: rial work; Per linear foot of white board or chalk board, Accent, display and feature lighting; and Videoconferencing studio lighting. tage shall be determined in accordance with §130.0(c) of the Standards.	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE CE NRCC-1T-03-E Indoor Lighting Power Allowance (Page 3 of 4) Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 OD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) OZ 03 2 04 05 06 07 ALLOWED WATTS Smaller of Wattage Watts Allowance Description(s) and Quantity of Special Total Design Smaller of	INDOOR LIGHTING POWER ALLOWANCE CREMITICATE OF COMPILANCE CRETIFICATE OF COMPILANCE Certificate of Compliance - Indoor Lighting Power Allowance (Page 4 of 4 Proport Name City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Lertify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name Eldridge O. Bell Campany: Aurum Consulting Engineers Address 60 Garden Court, Suite 210 City Carmel Police Station Remodel City Carmel Police Station Remodel City Carmel Police Station Remodel Campany: Aurum Consulting Engineers Address 60 Garden Court, Suite 210 City Carmel Police (831) 646-3330 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjuny, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 5 of the California Code of Regulations. 4. The building design features identified on this Certificate of Compliance are consistent with the Information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit is building permit is placed for the building, and made available to the enforcement agency for approval with this building permit is lost of the building and of the business and performance is compliance of Compliance of Compliance of Compliance is required to be included with the documentation the building permit is lost of the business and perform
I allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot. Ity when allowed according to the footnotes on bottom of Table 140.6-C, which include: Specialized task work; Ornamental lighting; rial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing studio lighting tage shall be determined in accordance with §130.0(c) of the Standards.	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE CE NRCC-1T-03-E Indoor Lighting Power Allowance (Page 3 of 4) Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 OD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) OZ 03 2 04 05 06 07 ALLOWED WATTS Smaller of Wattage Watts Allowance Description(s) and Quantity of Special Total Design Smaller of	INDOOR LIGHTING POWER ALLOWANCE GENEROCATION (Revised DUTIE) CERTIFICATE OF COMPLIANCE CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Projust Name: City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Certify that this Certificate of Compliance documentation is accurate and complete. Documentation Naturon's DECLARATION STATEMENT Advance: Aurum Consulting Engineers Aurum Consulting Engineers Advance: 60 Garden Court, Suite 210 City Plant/Pipe Monterry, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT 1 Certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division of 5the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 4. The building design features or system design identified on this Certificate of Compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building moment as occupancy. Responsible Designer Name. Eldridge O. Bell Company: Aurum Consulting Engineers
I allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot. Ity when allowed according to the footnotes on bottom of Table 140.6-C, which include: Specialized task work; Ornamental lighting; rial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing studio lighting tage shall be determined in accordance with §130.0(c) of the Standards.	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE CE NRCC-1T-03-E Indoor Lighting Power Allowance (Page 3 of 4) Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 OD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) OZ 03 2 04 05 06 07 ALLOWED WATTS Smaller of Wattage Watts Allowance Description(s) and Quantity of Special Total Design Smaller of	INDOOR LIGHTING POWER ALLOWANCE CERTIFICATE OF COMPLIANCE CITY of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Leverity that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name Compliance Aurum Consulting Engineers (B) Garden Court, Suite 210 City/stat/Cip Monitorey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT 1. Certify the following under pensity of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible designer). 3. The energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 4. The building design features or system design elser plants and specifications, waterials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 5. In the energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance is required to the california Code of Regulations. 4. The building design features or system design elseratures identified on this Certificate of Compliance is required to be included with the building permit application on the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy. Engineer Spec
aly when allowed according to the footnotes on bottom of Table 140.6-C, which include: Specialized task work; Ornamental lighting; rial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing studio lighting tage shall be determined in accordance with §130.0(c) of the Standards.	controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Factor, PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is it, signed, and submitted. POWER ALLOWANCE andards - 2016 Nonresidential Compliance January 2016 POWER ALLOWANCE CE NRCC-1T-03-E Indoor Lighting Power Allowance (Page 3 of 4) Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 Diaze Propagate: 10/18/2019 OD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes) OZ 03 2 04 05 06 07 ALLOWED WATTS Smaller of Wattage Watts Allowance Description(s) and Quantity of Special Total Design Smaller of	INDOOR LIGHTING POWER ALLOWANCE CERTIFICATE OF COMPLIANCE CITY of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Leverity that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name Compliance Aurum Consulting Engineers (B) Garden Court, Suite 210 City/stat/Cip Monitorey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT 1. Certify the following under pensity of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible designer). 3. The energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 4. The building design features or system design elser plants and specifications, waterials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 5. In the energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance is required to the california Code of Regulations. 4. The building design features or system design elseratures identified on this Certificate of Compliance is required to be included with the building permit application on the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy. Engineer Spec
tage shall be determined in accordance with §130.0(c) of the Standards.	controls; \$130.0(b) = Multi Level; \$130.1(c) = Auto Shut-Off; \$130.1(d) = Mondatory Daylight; \$130.1(e) = Demand Responsive; \$140.6(d) = installed to earn a PAF, \$140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Foctor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is the signed, and submitted. POWER ALLOWANCE Samuary 2016 Samuar	INDOOR LIGHTING POWER ALLOWANCE CERTIFICATE OF COMPLIANCE CITY of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Leverity that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name Complaince Aurum Consulting Engineers Aurum Consulting Engineers Aurum Consulting Engineers Adviews: 60 Garden Court, Suite 210 City/Station City/Station Monitorey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT 1. Certify the following under pensity of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible designer). 3. The energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 4. The building design features or system design features identified on this Certificate of Compliance of Compliance is required entry to the California Code of Regulations. 5. I will ensure or system design design features or system design identified on this Certificate of Compliance is required to the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval the building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy. Responsible Conjerce Name: Eldridge O.
- 2016 Nonresidential Compliance April 2016 CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 20	controls; \$130.0(b) = Multi Level; \$130.1(c) = Auto Shut-Off; \$130.1(d) = Mondatory Daylight; \$130.1(e) = Demand Responsive; \$140.6(d) = Installed to earn a PAF, \$140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Foctor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is the standards of the standard spaces. As a condition to earn a PAF, an Installation Certificate is the standards of the standa	INDOOR LIGHTING POWER ALLOWANCE CERTIFICATE OF COMPLIANCE CITY of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Leverity that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name Compliance Aurum Consulting Engineers (B) Garden Court, Suite 210 City/stat/Cip Monitorey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT 1. Certify the following under pensity of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible designer). 3. The energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 4. The building design features or system design elser plants and specifications, waterials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 5. In the energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance is required to the california Code of Regulations. 4. The building design features or system design elseratures identified on this Certificate of Compliance is required to be included with the building permit application on the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy. Engineer Spec
	controls, \$130.0(b) = Multi Level; \$130.1(c) = Auto Shut-Off; \$130.1(d) = Mondatory Daylight; \$130.1(e) = Demand Responsive; \$140.6(d) = installed to earn a PAF, \$140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. correct Foctor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an installation Certificate is quiend, and submitted. POWER ALLOWANCE Larionna EMERGY COMMISSION: (Page 3 of 4) Description Remodel De	INDOOR LIGHTING POWER ALLOWANCE CERTIFICATE OF COMPLIANCE CITY of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. Leverity that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name Complaince Aurum Consulting Engineers Aurum Consulting Engineers Aurum Consulting Engineers Adviews: 60 Garden Court, Suite 210 City/Station City/Station Monitorey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT 1. Certify the following under pensity of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible designer). 3. The energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy Features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance (responsible designer). 4. The building design features or system design features identified on this Certificate of Compliance of Compliance is required entry to the California Code of Regulations. 5. I will ensure or system design design features or system design identified on this Certificate of Compliance is required to the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval the building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy. Responsible Conjerce Name: Eldridge O.
	ontrols; \$130.0(b) = Multi Level; \$130.1(c) = Auto Shut-Off; \$130.1(d) = Mandatory Daylight; \$130.1(e) = Demand Responsive; \$140.6(d) = statelled to earn a PAF; \$140.6(d) = rect Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an installation Certificate is signed, and submitted. DAMPORNA ENERGY COMMESSION State Dampor Daylight	INDOOR LITTER (PROMATION ATTRIBUTED FOWER ALLOWANCE GIC-RIFOCATIO-SE (Rhobast double) CERTIFICATE OF COMPILANCE Certificate of Compilance - Indoor Lighting Power Allowance (Page 4 of 4 of 7 of 7 of 7 of 7 of 7 of 7 of

	RNIA GHTING E (Revised 04/16)	CALIFORNIA ENERGY COMMISSION	430000000000000000000000000000000000000	ENERGY COMMISSION
loor Lighting		NRCC-LTI-01-E (Page 3 of 6)	CERTIFICATE OF COMPLIANCE Indoor Lighting	NRCC-LTI-01 (Page 4 of
ect Name: C	City of Carmel Police Station Remodel	Date Prepared: 10/18/2019	Project Name: City of Carmel Police Station Remodel Date Prepared: 10/18/2019	
	of Required Certificates of Acceptance		G. Installed Portable Luminaires in Offices – Exception to Section 140.6(a) This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be docu	umented on next page o
-	ecting yes for all of the Certificates that will be submitted. (R NO Compliance Document/Title	etain copies and verify forms are completed and signed.)	this compliance document. This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office	
	 □ NRCA-LTI-02-A - Must be submitted for occupancy so □ NRCA-LTI-03-A - Must be submitted for automatic do 		☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped to shall not be traded between offices having different lighting systems.	
3	■ NRCA-LTI-04-A - Must be submitted for demand res	ponsive lighting controls.	Office Portable Luminaire Schedule Office Installed Portable Luminaire W/ft² Office Location 1 2 3 4 5 6 7 8 9 If 606 s 9 9 9 9 9 9 9	10
82/2	□ NRCA-LTI-05-A – Must be submitted for institutional		Installed Watts 0.3, enter 0.3, enter portable \$ 9 per 2000 Identify Office an	rea in
	phting Schedule Must Be Filled Out for Conditioned and Unco DNED SPACE UNCONDITIONED SPACE	onditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:	(i.e., LED, under cabinet, furniture mounted direct/indirect) Watts per Luminaire Watts in this watts in this office watts in this office watts in this watts in the watt	120 Sec 173
	ting Schedule and Field Inspection Energy Checklist		(G02 x G03) G05) (G06-0.3)	0 1
Vhen Con	mplete Building Method is used for compliance, list each diffe			0 0
		nce, list each different type of luminaire by each different function area on separate lines ampliance document (NRCC-LTI-OS-E) when line-voltage track lighting is installed.		0 0
			Total installed portable luminairs watts that are greater than 0.3 W/ff* per office: 1	total of all pages into LTI-01-E; Page 1
OF CALIFOR	rgy Efficiency Standards - 2016 Nonresidential Compliance RNIA GHTING — LIGHTING CONTROLS E(Revised 01/16)	April 2016 CALFORNIA ENERGY COMMISSION	CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance STATE OF CALIFORNIA INDOOR LIGHTING — LIGHTING CONTROLS CEC.NICO_LITOZE_(Revised 01/16) CALIFORNIA.	April
TIFICATE O	OF COMPLIANCE g - Lighting Controls	NRCC-LTI-02-E (Page 1 of 3)	CERTIFICATE OF COMPLIANCE Indoor Lighting - Lighting Controls	NRCC-LTI-0 (Page 2 o
	of Carmel Police Station Remodel	Date Prepared 10/18/2019	Project Name: City of Carmel Police Station Remodel Date Propaget 10/18/2019	
			A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following: CONDITIONED SPACES UNCONDITIONED SPACES	
andatory	Lighting Control Declaration Statements (Indicate if the me Control Requirements	asure applies by checking yes or no below.)	B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist	
0	Lighting shall be controlled by self-contained lighting cor Efficiency Regulations in accordance with Section 110.9.	ntrol devices which are certified to the Energy Commission according to the Title 20 Appliance	PAF Credit Calculat	ulred barre
0	Lighting shall be controlled by a lighting control system of	or energy management control system in accordance with §110.9. An Installation Certificate shall	Standards Comblying Muth 1 PAF PAF PAF Control	Credit (K×L) (K×L) if Accept est Request Red
•	One or more Track Lighting Integral Current Limiters sha §130.0. Additionally, an Installation Certificate shall be so	Ill be installed which have been certified to the Energy Commission in accordance with §110.9 and submitted in accordance with Section 130.4(b).	Lighting Control Schedule (✓ all that apply, or enter 'E' if Exempted) 01 02 03 04 05 06 07 08 09 10 11 12	13 14 15
D	A Track Lighting Supplementary Overcurrent Protection Installation Certificate shall be installed in accordance w	Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an rith Section 130.4(b).	Type/Description of Lighting Control (i.e.: occupancy sensor,	558
0	All lighting controls and equipment shall comply with the instructions in accordance with Section 130.1.	e applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's	dimmer, automatic daylight, Units 15 15 15 15 15 15 15 15 15 15 15 15 15	Pass
		ually switched ON and OFF lighting controls in accordance with Section 130.1(a).	See Sheets E5.2 & E5.2 A Manual Area 12 □ □ □ □ □ □	, 0
0	and special effects lighting shall each be separately contri	ther lighting systems in an area. Floor and wall display, window display, case display, ornamental, rrolled on circuits that are 20 amps or less. When track lighting is used, general, display,	Property 131 Multi Level 1 I II III	, 0
0	The general lighting of any enclosed area 100 square fee	parately controlled; in accordance with Section 130.1(a)4. et or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the	Evidence 132 Multi Level 1 □	· 0
0		ols that meet the applicable Shut-OFF control requirements in Section 130.1(c).	Closet 133 Occupancy Sensor 1	0
D	Lighting in all Daylit Zones shall be controlled in accordan	nnce with the requirements in Section 130.1(d) and daylit zones are shown on the plans.	4. P. C. C. Y. P. C.	0 Enter Control Credit tot
D	Lighting power in buildings larger than 10,000 square fee accordance with Section 130.1(e).	et shall be capable of being automatically reduced in response to a Demand Responsive Signal in	1	into NRCC-LTI-01-E; Pag 1.
-	Before an occupancy permit is granted for a newly const	tructed building or area, or a new lighting system serving a building, area, or site is operated for g, area, or site shall be certifled as meeting the Acceptance Requirements for Code Compliance in	 §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Resp. Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls. 2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an 	
	accordance with Section 130.4.(a). The controls required controls, and demand responsive controls.	d to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF	also required to be filled out, signed, and submitted.	, material to the control of the con
0		January 2016	CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance	January 2
0	gy Efficiency Standards - 2016 Nonresidential Compliance			
0	gy Efficiency Standards - 2016 Nonresidential Compliance			
ding Energ			STATE OF CALIFORNIA INDOOR LIGHTING POWER ALLOWANCE	1
F CALIFOR OR LICOLTHON	GHTING - LIGHTING CONTROLS - (Revised 01/16) DE COMPLIANCE	CALIFORNIA ENERGY COMMISSION NRCC-LTI-02-E	INDOOR LIGHTING POWER ALLOWANCE CECNRCC-LTI-03-E (Revised 04-16) CERTIFICATE OF COMPLIANCE	
CALIFOIDE LICATE O	GHTING - LIGHTING CONTROLS (Revised 01/16)	CALIFORNIA ENERGY COMMISSION	INDOOR LIGHTING POWER ALLOWANCE CEC-NRCC-LTI-03-E (Revised 04-16) CALIFORNIA 1	NRCC-LTI-C
Ing Energian CALIFOR CALIFOR CITY CATE COLUMN CITY CITY CITY CITY CITY CITY CITY CITY	GHTING - LIGHTING CONTROLS - (Revised 01/16) DF COMPLIANCE g - Lighting Controls y of Carmel Police Station Remodel	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Gate Prepared: 10/18/2019	INDOOR LIGHTING POWER ALLOWANCE CEC-NTCO-LIT-03-E (Revised DATE) CERTIFICATE OF COMPULANCE Certificate of Compliance - Indoor Lighting Power Allowance Frageor Name: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:	NRCC-LTI-C
ing Energing	IGHTING — LIGHTING CONTROLS - (Revised 91/16) DE COMPLIANCE g - Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and content Name: Eldridge O. Bell	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E [Page 3 of 3] Guite Pregional: 10/18/2019 Implete. Documentation Author Signature: 1144 07868	INDOOR LIGHTING POWER ALLOWANCE CEC. NRCC_111-03-E (Revised Da116) CERTIFICATE OF COMPULANCE Certificate of Compliance - Indoor Lighting Power Allowance Finger Name: City of Carmel Police Station Remodel Date Propured: 10/18/2019	LENERGY COMMISSION NRCC-LTI-0: (Page 1 of
CALIFOR LICATE O Lighting City	IRNIA IGHTING — LIGHTING CONTROLS - (Revised 91/16) DE COMPLIANCE g - Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and co	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Guate Preguired: 10/18/2019 Impliete. Documentation Author Signature: 4 0.7860 Signature Date: 10/18/2019 CIA Certification (dentification (I applicable):	INDOOR LIGHTING POWER ALLOWANCE CEC NRICC_LTI-OSE (Revended OU-16) CERTIFICATE OF COMPULANCE Certificate of Compliance - Indoor Lighting Power Allowance Fragent Numer. City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces A SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.	NRCC-LTI-O (Page 1 o
F CALIFORM Energy F CALIFORM LINE F CALIFORM CITY CITY F CALIFORM CITY F CALIF	IRNIA IGHTING — LIGHTING CONTROLS - (Revised 01/16) DF COMPLIANCE g - Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and corbon Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Documentation Author Signature: 0.000 Signature Date: 10/18/2019	INDOOR LIGHTING POWER ALLOWANCE CEC NRICC_LTI-OSE (Revealed Dut 16) CERTIFICATE OF COMPULANCE Certificate of Compliance - Indoor Lighting Power Allowance Fraged Name: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces	NRCC-LTI-O (Page 1 o
F CALIFOR CALIFOR CALIFORNIA CONTROL CALIFORNIA CALIFOR	IRNIA IGHTING — LIGHTING CONTROLS (Revised 01/16) DE COMPLIANCE g – Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and corbor Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT lowing under penalty of perjury, under the laws of the State of Calination provided on this Certificate of Compliance is true and correct	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Units Prepared: 10/18/2019 Emplete. Documentation Author Signature: ULLY 0. 600 Signature Date: 10/18/2019 CTA Certification (identification (if applicable): Phone: (831) 646-3330 E17789	INDOOR LIGHTING POWER ALLOWANCE CECURICCATIONS (Received 04/16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Inguest name: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces A SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts.	NRCC-LTI-0 (Page 1 o
F CALIFORM	IGHTING — LIGHTING CONTROLS (ERwined 91/16) DE COMPLIANCE g - Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and content Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT lowing under penalty of perjury, under the laws of the State of Califination provided on this Certificate of Compliance is true and correct leurnder Division 3 of the Business and Professions Code to accept led designer).	CALFORNIA ENERGY COMMISSION NRCC-LTT-02-E (Page 3 of 3) Guate Preparent 10/18/2019 Emplete. Documentation Author Signature: 0444 0.7660 Signature Date: 10/18/2019 CIA Certification (Mayolicable): Fhone: (831) 646-3330	INDOOR LIGHTING POWER ALLOWANCE CEC NRICCI, TI-OS-E (Revealed Dut 16) CERTIFICATE OF COMPULANCE Certificate of Compliance - Indoor Lighting Power Allowance fraged Number City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces A SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts (a) O1 Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-O3-E (below on this page)	NRCC-LTI-C (Page 1 c
CALIFORM CITY OF CALIFO	IGHTING — LIGHTING CONTROLS (Ellevined 01/16) DE COMPLIANCE g - Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and corbon Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT lowing under penalty of perjury, under the laws of the State of Calmation provided on this Certificate of Compliance is true and correct and the Compliance is true and correct and correct and complete designed. In the Complete Complete Compliance is true and correct and correct and complete Comple	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Date Prepared: 10/18/2019 Implete. Documentation Author Signature: 10/18/2019 CTA Certification Identification (if applicable): Phone: (831) 646-3330 E17789 Front: (831) 646-3330 Infornia: et. t. responsibility for the building design or system design identified on this Certificate of Compliance t. California Code of Regulations.	INDOOR LIGHTING POWER ALLOWANCE CECURICC LT1-03-E (Received 01-16) CERTIFICATE OF COMPULANCE Certificate of Compliance - Indoor Lighting Power Allowance Ingest Name: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts. On Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page)	NRCC-LTI-(Page 1 of page 1
realiforcement electronic and the control of the co	IGHTING — LIGHTING CONTROLS - (Revised 01/16) DE COMPLIANCE g – Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and core how Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT lowing under penalty of perjury, under the laws of the State of Calination provided on this Certificate of Compliance is true and correct ple under Division 3 of the Business and Professions Code to accept ble designer). y features and performance specifications, materials, components, ce conform to the requirements of Title 24, Part 1 and Part 6 of the grid design features or system design features identified on this Certificate is, worksheets, calculations, plans and specifications submitted to t re that a completed signed copy of this Certificate of Compliance is not agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is not agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed copy of this Certificate of Compliance is not a completed signed co	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Guide Prepared: 10/18/2019 Impliete. Documentation Author Signature: 10/18/2019 CIA Certification Identification (I applicable): Phone: (831) 646-3330 E17789 Iffornia: et. tresponsibility for the building design or system design identified on this Certificate of Compliance tresponsibility for the building design or system design identified on this Certificate of Compliance to California Code of Regulations.	INDOOR LIGHTING POWER ALLOWANCE CEC-NRCC-LTI-03-E (Received 04/16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Import name: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces A SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts. On Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page)	NRCC-LTI-(Page 1 of page 1
CALIFOLD R Li CCALIFOLD R Li CCALIFOLD R Li CCATE O CATE O City that Ci	GHTING — LIGHTING CONTROLS (Revised 01/16) DF COMPLIANCE g - Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and corber Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT Iowing under penalty of perjury, under the laws of the State of Calimation provided on this Certificate of Compliance is true and correct ple under Division 3 of the Business and Professions Code to accept ble designer). y features and performance specifications, materials, components, ce conform to the requirements of Title 24, Part 1 and Part 6 of the gidesign features or system design features identified on this Cert sy worksheets, calculations, plans and specifications submitted to the ret that a completed signed copy of this Certificate of Compliance stent agency for all applicable inspections. I understand that a complowides to the building owner at occupancy.	Independent of the proposal of	INDOOR LIGHTING POWER ALLOWANCE CEC-NFCC-LT-0-SE (Revealed 01-16) CERTIFICATE OF COMPULANCE Certificate of Compliance - Indoor Lighting Power Allowance Frequent Number City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces LUNCONDITIONED spaces If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts. On Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1 Check here if building contains both conditioned and unconditioned areas.	NRCC-LTI-(Page 1 of page 1
CALIFOLD R Li CCALIFOLD R Li CCALIFOLD R Li CCATE O Lighting City	IGHTING — LIGHTING CONTROLS - (Revised 01/16) DE COMPLIANCE g – Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and core how Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT Iowing under penalty of perjury, under the laws of the State of Calmation provided on this Certificate of Compliance is true and correct led under Division 3 of the Business and Professions Code to accept led designer). Y reatures and performance specifications, materials, components, ce conform to the requirements of Title 24, Part 1 and Part 6 of the globing design features or system design features identified on this Certificate is, worksheets, calculations, plans and specifications submitted to t re that a completed signed copy of this Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si ent agency for all applicable inspections. I understand that a complication of the Certificate of Compliance si entered the Certificate of Certificate of Certificate of Certificate of Certificate of Certificate of Cer	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation Author Signature: Documentation II application: E17789 Fhone: (831) 646-3330 E17789 Fhone: (831) 646-3330 E17789 Formal Commission of Author Signature:	INDOOR LIGHTING POWER ALLOWANCE CECNRICCTI-03-E (Received 01/16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Inguest Name: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces UNCONDITIONED spaces If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts. On Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page) On Area Category Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page)	NRCC-LTI-(
CALIFOO CATE OF CATE O	IGHTING — LIGHTING CONTROLS - (Revised 01/16) DE COMPLIANCE g – Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and core how Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT Iowing under penalty of perjury, under the laws of the State of Calimation provided on this Certificate of Compliance is true and correct of the Compliance of the Compliance is true and correct of the Compliance of the Compliance is true and correct of the Compliance of the Compliance is true and correct of the Compliance of the Compliance is true and correct of the Compliance of the Compliance is true and correct of the Compliance of the Compliance of the Compliance of the Compliance of Complia	Independent and the proposed of the compliance of Complian	INDOOR LIGHTING POWER ALLOWANCE CECURICC LIT-03-E (Received DU-16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Finger Name: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts (a) O1 Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page) O2 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page) O3 Tailored Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page) O3 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1 Check here if building contains both conditioned and unconditioned areas. B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE O1 TYPE OF BUILDING (From §140.6 Table 140.6-8) PER ft ² BLDG. AREA	NRCC-LTI-C (Page 1 c n column (b) as the tota (b) 1,268 0 1,268 0 4LLOWED WATTS
CALIFOO CATE O CITY TO THE FORM THE FOR	GHTING — LIGHTING CONTROLS - (Revised 01/16) DF COMPLIANCE g- Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and corber Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT Iowing under penalty of perjury, under the laws of the State of Calination provided on this Certificate of Compliance is true and correct under the compliance of the Business and Professions Code to accept be designed; y features and performance specifications, materials, components, to conform to the requirements of Title 24, Part 1 and Part 6 of the ng design features or system design features identified on this Cert conform to the requirements of Title 24, Part 1 and Part 6 of the ng design features or system design features identified on this Cert ent at a completed signed copy of this Certificate of Compliance is ent agency for all applicable inspections. I understand that a complevides to the building owner at occupancy. We have: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Ct, Suite 210	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Documentation Author Signature Documentation Author Signature Life (Regulation Identification (If applicable): Fhone: (R31) 646-3330 E17789 From: (R31) 646-3330 E17789 From: (R31) 646-3330 E17789 From: (R31) 646-3330 E17789 From: (R31) 646-3330 From: (R31) 646-3330 From: (R31) 646-3330 From: (R31) 646-3330 E17789 From: (R31) 646-3330 From: (R31) 646	INDOOR LIGHTING POWER ALLOWANCE CECNRICCTI-03-E (Received 01/16) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Inguest Name: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces UNCONDITIONED spaces If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts. On Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page) On Area Category Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) On Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page)	NRCC-LTI- (Page 1: n column (b) as the tota (b) 1,268 0 1,268 ALLOWER WATTS wage)
CALIFOO CATE O CITY TO THE FORM THE FOR	GHTING — LIGHTING CONTROLS - (Revised 01/16) DF COMPLIANCE g- Lighting Controls y of Carmel Police Station Remodel ION AUTHOR'S DECLARATION STATEMENT at this Certificate of Compliance documentation is accurate and corber Name: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Court, Suite 210 Monterey, CA 93940 PERSON'S DECLARATION STATEMENT Iowing under penalty of perjury, under the laws of the State of Calination provided on this Certificate of Compliance is true and correct under the compliance of the Business and Professions Code to accept be designed; y features and performance specifications, materials, components, to conform to the requirements of Title 24, Part 1 and Part 6 of the ng design features or system design features identified on this Cert conform to the requirements of Title 24, Part 1 and Part 6 of the ng design features or system design features identified on this Cert ent at a completed signed copy of this Certificate of Compliance is ent agency for all applicable inspections. I understand that a complevides to the building owner at occupancy. We have: Eldridge O. Bell Aurum Consulting Engineers 60 Garden Ct, Suite 210	CALFORNIA ENERGY COMMISSION NRCC-LTI-02-E (Page 3 of 3) Documentation Author Signature Documentation Author Signature Life (Regulation Identification (If applicable): Fhone: (R31) 646-3330 E17789 From: (R31) 646-3330 E17789 From: (R31) 646-3330 E17789 From: (R31) 646-3330 E17789 From: (R31) 646-3330 From: (R31) 646-3330 From: (R31) 646-3330 From: (R31) 646-3330 E17789 From: (R31) 646-3330 From: (R31) 646	INDOOR LISHTING POWER ALLOWANCE CENTRICATIONE (Reviews Dutie) CERTIFICATE OF COMPLIANCE Certificate of Compliance - Indoor Lighting Power Allowance Traject Nature City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: City of Carmel Police Station Remodel A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for: CONDITIONED spaces UNCONDITIONED spaces If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts. If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in allowed building watts Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page) Oz Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page) O3 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) O3 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) O3 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) O3 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-03-E (below on this page) O4 Area Category Method D LIGHTING POWER ALLOWANCE O1 O2 O3 TYPE OF BUILDING (From §140.6 Table 140.6-B) Total Area: Total Watts. Enter Total Watts into section A, row 1 (Above on this page) C-1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES	NRCC-LTI (Page I (Page I n column (b) as the to (b) 1,268 0 1,268 04 ALLOWE WATTS 1,268 0 1,268



INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16)
CERTIFICATE OF COMPLIANCE

Project Name: City of Carmel Police Station Remodel

23w Recessed LED
23w Recessed LED
15w Recessed LED
15w Recessed LED
25w Surface Mount LED
38w Wall Mount LED
86w Pendant Mount LED
65w Pendant Mount LED
59w T-Bar LED

STATE OF CALIFORNIA
INDOOR LIGHTING — LIGHTING CONTROLS
CEC-NECC-LIVACE (Revised 01/16)
CERTIFICATE OF COMPLIANCE
Indoor Lighting - Lighting Controls
Project Name: City of Carmel Police Station Remodel

☐ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:

☑ CONDITIONED SPACE ☐ UNCONDITIONED SPACE H. Indoor Lighting Schedule and Field Inspection Energy Checklist

(i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)

Lobby, Main Entry Electrical, Mechanical Room

Office <= 250 sqft
Office <= 250 sqft
Office <= 250 sqft

INSTALLED WATTS PAGE TOTAL: 1.199 Enter sum total of all pages in the sum total of all pages in

Standards Complying With 1







tions shall be restricted to the original site for which they were prepared and site for which they were prepared and publication thereof is expressly limit—ed to such use. Re—use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

EVISIONS:

PLAN CHECK 12/05/19

CITY

SHEET NUMBER

DATE: 21 JAN 2020 DRAWN CADD 1712.1

Phase of Construction: New Construction Addition Alteration Outdoor Lighting Zone (LZ) LZ-1 LZ-2 LZ-3 LZ-4 I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114 B. Lighting Compliance Documents (check box for each document included) For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual	Patron the Cutoff Requirements in \$130.2(b) Description of exempt luminaire in accordance with the exemptions put from the Outdoor Lighting Control Requirements in \$130.2(c) Description of exempt luminaire in accordance with the exemptions	Name or Item Tag Complete Luminaire Description XB 11w Recessed Downlight LED 11.0 XA 6w Wall Mount LED 03 How waitag determin and street of the property of the prope	ge was	CERTIFICATE OF COMPLIANCE Outdoor Lighting Project Name: City of Carmel Police Station Remodel DOCUMENTATION AUTHOR'S DECLARATION STATEMENT 1. I certify that this Certificate of Compliance documentation is accurate and compliance documentation Author Name: Eldridge O. Bell Company: Aurum Consulting Engineers Address: 60 Garden Court, Suite 210 City/State/Zip: Monterey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of Califor 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept res (responsible designer). 3. The energy features and performance specifications, materials, components, and Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the Califor documents, worksheets, calculations, plans and specifications submitted to the 5. I will ensure that a completed signed copy of this Certificate of Compliance shall	Documentation Author Signature: Signature Date: 10/18/2019 CEA Certification Identification (if applicable): E17789 Phone: (831) 646-3330 Trila: Esponsibility for the building design or system design identified on this Certificate of Compliance and manufactured devices for the building design or system design identified on this Certificate of alifornia Code of Regulations. Cate of Compliance are consistent with the information provided on other applicable compliance are consistent with the information provided on other applicable compliance.	KASAVAN ARCHITECTS	60 W. Market St., Suite 300 Salinas, California 93901 Voice 831.424.2232 Fax 831.424.2501
Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.) NRCA-LTO-02-A - Must be submitted for outdoor lighting controls. F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in \$140.7 O1	s - 2016 Nonresidential Compliance April 2016	CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance	April 2016	CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance	April 2016	TOURS A MORNING	A STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS COLIDOCATION IN CONTROL TO CAMPIONACE Outdoor Lighting Controls (Page 1 of 3) First Same City of Carmel Police Station Remodel A Mandatory Outdoor Lighting Control and Every Contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with \$110.9(a). Lighting shall be controlled by a lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with \$110.9(a). Lighting shall be controlled by a lighting control devices which are certified to the Energy Commission accordance with \$10.9(a). All institutions of the Commission accordance with \$10.9(a). All outdoor Lighting Controls as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b). All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor. All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor. All outdoor lighting shall be controlled by a lighting control and 30.2(b). All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-with Section 130.0(c), shall be controlled by a motion sensor. All outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-with Section 130.0(c), shall be controlled by a motion sensor. All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-with Section 130.0(c), shall be controlled with suturnatic lighting control in accordance with Section 130.2(c). All installed outdoor lighting, share the newly contructed by a motion astronomical time-with control, or other control capable of automatically switching OFF in accordance with Section 130.2(c). For building Faceke, Ornamental Hardscape and Outdoor building for the Hard	STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS GEO-NICO-LTO-02-E (Revised Darie) CERTIFICATE OF COMPLIANCE Outdoor Lighting Controls Project Name: City of Carmel Police Station Remodel O1 02 03 Type/ Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical timeswitch control, automatic scheduling control, part-night outdoor lighting control) Units CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance	CALIFORNIA ENERGY COMMISSION NRCC-LTO-02-E (Page 2 of 3)	City/State/Zip: Phone-	e building design or system design identified on this Certificate of Compliance devices for the building design or system design identified on this Certificate of legulations. e are consistent with the information provided on other applicable compliance noty for approval with this building permit application. le with the building permit(s) issued for the building, and made available to the	01 02 03 04 05 Name of Area Illuminated AWA Per AWA (802 x 803) Perimeter Length of L	CALIFORNIA ENERGY COMMISSION NRCC-LTO-03-E (Page 1 of 4) Delet Prepared 10/18/2019 1. 546 PER SPECIFIC AREA from Section C-4. 0 = 2. 0 3. 546 Allowance (LWA) Allowance (IWA) Initial Wattage Allowance (IWA) (Watts) 66 07 08 09 Aper LWA (Watts) 546 WA (Watts) 500 21 520 546 The use of these plans tions shall be restricted site for which they were publication thereof is even or publication thereof is even or publication thereof is even the plans and specification shall be restricted site for which they were publication thereof is even or publication thereof is even the plans and specification shall be restricted site for which they were or publication thereof is even the plans and specification shall confact evidence of the or the properties of the original contact with Visual contact with the specifications shall confact evidence of the original contact with page filtrations. TOTAL 546 PLAN CHE 12/05/M	ed to the original ere prepared and expressly limit—use, reproduction, any method, in rohibited. Title to ications remains thout prejudice, these plans and constitute prima a acceptance of
OUTDOOR LIGHT NO POWER ALLOWANCES COLLEGION TO THE Finance Prince COLLEGION TO THE Finance Prince COLLEGION TO THE FINANCE PRINCE TO COLLEGION The Additional specific country of giving prover allowance shall be the smaller of the allowed gipting power used. CLADOTTOONAL "Use IT ON LOSE IT OUTDOOR LIGHTING FOWER ALLOWANCES FOR SPECIFIC APPLICATIONS CLAD TO THE ADDITIONAL "Use IT ON LOSE IT OUTDOOR LIGHTING FOWER ALLOWANCES FOR SPECIFIC APPLICATIONS CLAD CONTROL Spring Prover Division Specific Country of gipting power allowance shall be the smaller of the allowed gipting power used. CLAD ADDITIONAL "Use IT ON LOSE IT OUTDOOR LIGHTING FOWER ALLOWANCES FOR SPECIFIC APPLICATIONS CLAD CONTROL Spring Prince Prince To Control Spring Prince	OUTDOOR LIGHTING POWER ALLOWANCES CECHROCA-LTO-DES (Reseaved 19719) CERTIFICATE OF COMPULANCE Outdoor Lighting Power Allowances Trainers since: City of Garmel Police Station Remodel C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) — T Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance Section 130.0(4), and shall be post-top luminaires, lanterns, pendant luminaires or chance of the station of the stat	DESIGN WATTS Luminaire Watts per Design Watts (smaller of 04 or 09) Sum total allowance for ornamental lighting on the site:. O7 08 09 10 DESIGN WATTS Luminaire Watts per (07 x 08) (smaller of 04 or 09) Sum total allowance for ornamental lighting on the site:. O DESIGN WATTS Luminaire Watts Per Design Watts Allowed Watts Allowed Watts DESIGN WATTS Luminaire Watts per Design Watts Allowed Watts	Address: 60 Garden Court, Suite 210 City/State/Zip: Monterey, CA 93940 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured de Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Re; 4. The building design features or system design features identified on this Certificate of Compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agence. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available enforcement agency for all applicable inspections. I understand that a completed signed copy of the building owner at occupancy.	evices for the building design or system design identified on this Certificate of igulations. are consistent with the information provided on other applicable compliance to the provided of the building permit(s) issued for the building, and made available to the his Certificate of Compliance is required to be included with the documentation the insible Designer Signature:		BOLICE DEPARTMENT OTY OF CARMEL—BY—THE—SEA POLICE DEPARTMENT AT: JUNIPERO AVE AND 4TH AVE.	CALFORNIA ENERGY COMPLIANCE TITLE 24 - BULDING EXTERIOR

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16)
CERTIFICATE OF COMPLIANCE

Xrefs: x1712 BDR

File name: D:\J08S\1712.1\CD\

CADD

SPACE ONLY

SPACE ONLY

SPACE ONLY

KVA Phase B 8.9

Voltage:	20/208V,3ø		P. H. K. L. K.			Jan Vacano					and the same of the		Bussing:	100A
	4W			1		(E) F	PAN	EL F)				Feed:	TOP
	NEMA I					` '							Mounting:	FLUSH
	M.L.O.												A.I.C.	MATCH (E)
	Load	A	В	С	Bkr	Ck	abc	Ck	Bkr	A	В	С		Load
ATTIC - R.	A. FAN			Burney Breeze		1	+	2	20/1				ATTIC - WATER HEATER	
ATTIC - R.	A. FAN				20/3	3	1	4	20/1				LOBBY - COPIER	
ATTIC - R.	A. FAN					5	1	6	20/1				(E) LOAD	
ATTIC - FA	N COIL UNIT					7	+	8	20/1				WEAPONS ROOM - EXHAUST FAN	
ATTIC - FA	N COIL UNIT		The second		20/3	9		10	2010				REFRIGERATION UNIT	
ATTIC - FA	N COIL UNIT					11	1	12	30/2				REFRIGERATION UNIT	
(E) LOAD						13	+	14	20/1				ATTIC - FANS	
(E) LOAD					20/3	15	-	16	20/1				FLOOR HE	ATER
(E) LOAD						17	111	18	20/1				(E) LOAD	
(E) LOAD						19	•	20	100	all our state of			ROOFTOP	EXHAUST
(E) LOAD					30/3	21	-	22	30/3		F-0.167-35		ROOFTOP	EXHAUST
(E) LOAD						23	1	24					ROOFTOP	EXHAUST
(E) LOAD		-5960			20/1	25	•	26	- 1	All Res			SPACE ON	LY
SPACE ON	ILY				-	27	-	28	-				SPACE ON	LY
SPACE ON	ILY				-	29	1	30	10-				SPACE ON	LY

Bussing: 225A
Feed: BOTTOM
Mounting: SURFACE
A.I.C. 10,000 1 PANEL PDA Wire: 4W Type: NEMA I RECEPT - TOILET/CORRIDOR RECEPT - CONFERENCE RECEPT - CONFERENCE 360 RECEPT - CLOSET/EVIDENCE RECEPT -LOBBY/CORRIDOR RECEPT - OFFICE 20/1 9 10 20/1 RECEPT -DISPATCH 540 20/1 9 10 20/1

540 20/1 11 12 20/1

20/1 13 14 20/1

20/1 15 16 20/1

20/1 17 18 20/1

20/1 19 20 20/1

20/1 21 22 20/1

20/1 23 24 20/1

20/1 25 26 20/1

20/1 27 28 20/1

20/1 29 30 20/1

20/1 31 32 20/1

20/1 33 34 20/1

20/1 35 36 20/1

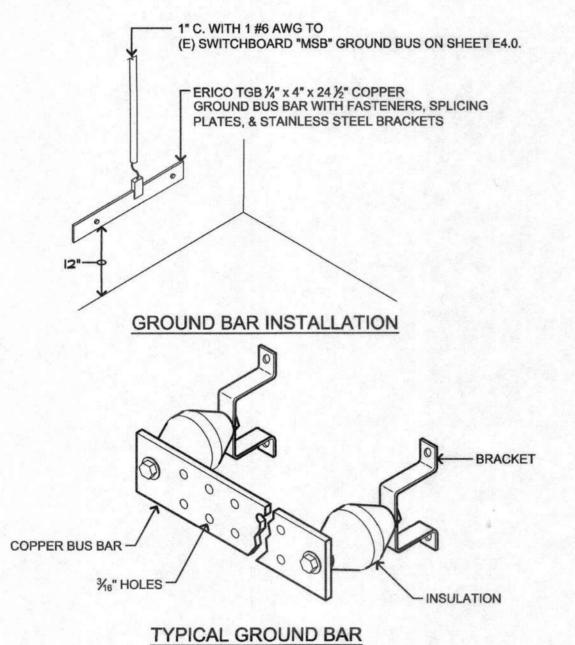
- 37 38 - 39 40 - 41 42 -720 RECEPT - CHIEF'S OFFICE RECEPT -DISPATCH RECEPT - OPEN OFFICE RECEPT - CORRIDOR RECEPT - OPEN OFFICE 1200 RECEPT - COPIER SPACE ONLY SPACE ONLY SPACE ONLY SPACE ONLY SPACE ONLY SPACE ONLY 1080 900 900 1980 1980 1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN. 2 PROVIDE \$ INSTALL LOCK-ON DEVICE.
 KVA Phase A
 3.1

 KVA Phase B
 2.9

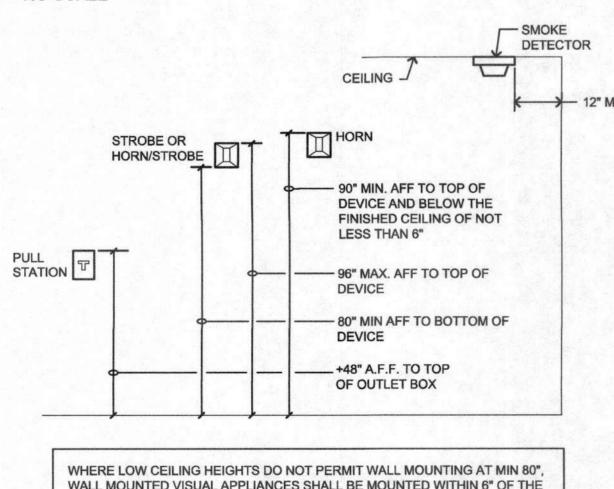
 KVA Phase C
 3.2
 Total Connected Load KVA 9.1 PANEL PDB Type: NEMA I Mains: M.L.O 2100 2100 EF-3 247 LIGHTING - OUTDOOR 20/1 13 14 20/ WH-I & PUMP 17 | 18 25/1 17 | 20 21 | 20 21 | 22 | 15/3 - 23 | 24 - 25 | 26 - 27 | 28 | 20/2 - 29 | 30 | -AIR COMPRESSOR AIR COMPRESSOR AIR COMPRESSOR

4227 4227 3867

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.



GROUND BAR DETAIL NO SCALE



WALL MOUNTED VISUAL APPLIANCES SHALL BE MOUNTED WITHIN 6" OF THE CEILING.

F.A. DEVICE MOUNTING ELEVATION NO SCALE

SCOPE OF WORK;

NEW COMPLETE MANUAL ADDRESSABLE FIRE ALARM SYSTEM INCLUDING ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS, CONNECTIONS, PROGRAMMING, TESTING AND APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION.

SEQUENCE OF OPERATION OF THE FIRE ALARM SYSTEM.

- A. ACTIVATION OF ANY INITIATING DEVICE SHALL CAUSE ALL SIGNALS IN BUILDING TO ACTIVATE AND SOUND AND SIMULTANEOUSLY CAUSE AN ALARM TO BE SENT TO THE REMOTE MONITORING AGENCY.
- B. THE ADDRESS CORRESPONDING TO THE INITIATION DEVICE IN ALARM SHALL APPEAR ON FIRE ALARM CONTROL PANEL
- C. CLOSING THE FIRE ALARM SPRINKLER OS & Y VALVE SHALL INITIATE A TROUBLE INDICATION AT FIRE ALARM CONTROL PANEL AND MONITORING STATION.
- D. SHOULD AN OPEN, GROUND OR SHORT OCCUR IN THE WIRING SYSTEM, FIRE ALARM CONTROL PANEL WILL DETECT MALFUNCTION AND INITIATE A TROUBLE ALARM INDICATOR AT PANEL AND MONITORING STATION.
- E. ACTIVATION OF SMOKE DETECTOR ON TOP OF ELEV. SHAFT OR IN ELEV. MACHINE ROOM WILL CAUSE ELEV. RECALL TO ASSIGNED FLOOR.
- F. ACTIVATION OF THE HEAT DETECTOR IN ELEVATOR EQUIPMENT ROOM WILL CAUSE CIRCUIT BREAKER FOR ELEVATOR POWER TO SHUNT TRIP. HEAT DETECTOR SHALL HAVE A LOWER RESPONSE TIME INDEX THAN SPRINKLER
- F. FIRE ALARM CONTRACTOR SHALL PROVIDE ALL ADDRESSABLE CONTROL RELAYS AND/OR CONTROL MODULES REQUIRED FOR ELEVATOR RECALL, ELEVATOR POWER SHUNT, FIREMAN'S HAT, ETC. CONTRACTOR SHALL VERIFY REQUIREMENTS WITH ELEVATOR CONTRACTOR.
- G. ONCE THE SYSTEM IS BACK TO NORMAL. THE PANEL WILL RESOUND FOR PROPER RESETTING.

(E)

CAC

-□ (E)

EXISTING ADDRESSABLE RELAY ----

EXISTING SHUNT TRIP ON ELEV. FEEDER BREAKER (ST)-

> **EXISTING 120V** DEDICATED CIRCUIT

NO SCALE

FIRE ALARM NOTES;

3 NEW LOAD.

- 1. EXTENSION OF EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL, WITH COMMUNICATOR, INITIATING AND ANNUNCIATING DEVICES, CHARGER & BATTERIES.
- 2. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS, EQUIPMENT AND PROVIDE ALL LABOR REQUIRED AND NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS.
- 3. THE FIRE ALARM SYSTEM SHALL BE INSTALLED AS SPECIFIED IN ALL SECTIONS OF DIVISION 16 AND DIVISION 15, INCLUDING ALL OTHER WORK AND MISCELLANEOUS ITEMS NOT SPECIFICALLY MENTIONED BUT REASONABLY INFERRED FOR COMPLETE
- 4. ALL WIRE SHALL BE MINIMUM #12AWG FOR ANNUNCIATION CIRCUITS AND MINIMUM #16AWG TWISTED SHIELDED PAIR CABLE FOR INITIATING CIRCUITS. ALL WIRING SHALL BE ROUTED CONCEALED.
- 5. SUBMIT COMPLETE FIRE ALARM SYSTEM PLANS INCLUDING RISER DIAGRAMS, BATTERY CALCS, VOLT DROP CALCS, WIRING DIAGRAMS, ETC. TO LOCAL FIRE AUTHORITY REVIEW AND APPROVAL PRIOR TO START OF INSTALLATION.
- 6. FINAL CONNECTIONS OF DEVICES AND EQUIPMENT SHALL BE BY A FIRE ALARM CONTRACTOR WHO PERFORMS SUCH WORK ON A REGULAR BASIS.
- 7. FINAL TESTING SHALL BE WITNESSED BY THE LOCAL FIRE AGENCY.
- 8. PROVIDE MANUALS AND MINIMUM 2-HOURS OPERATING INSTRUCTION TO OWNER.
- 9. PROVIDE BATTERY BACKUP FOR 24 [60] HOURS OF STANDBY & 5 MINUTES OF ALARM.
- 10. VERIFY COLOR (RED OR WHITE) OF NOTIFICATION APPLIANCES WITH ARCHITECT.

(E) (E) DEVICES

EXISTING 120V

DEDICATED CKT

STATION AGENCY

TYPICAL FIRE ALARM RISER DIAGRAM

(1) EXISTING TELEPHONE LINE TO

APPROVED REMOTE MONITORING

MM -> TO OTHER INITIATING

CM TO OTHER INITIATING

APPLIANCES

→ TO OTHER ANNUNCIATING

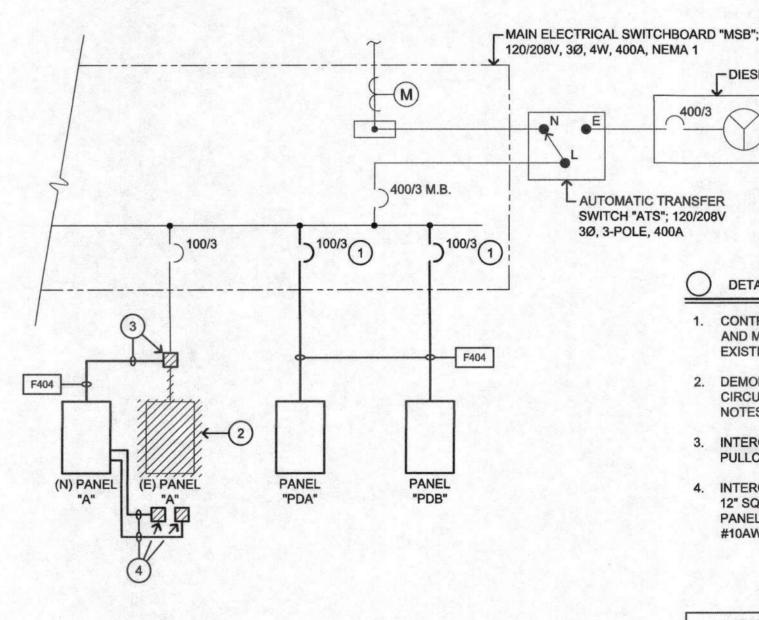
SEE PLANS TO VERIFY ALL

QUANTITIES AND LOCATIONS

OF EQUIPMENT AND DEVICES

REQUIRED FOR THE PROJECT.

DEVICES



DETAIL NOTES:

 CONTRACTOR SHALL PROVIDE AND INSTALL NEW BREAKER AND MOUNTING HARDWARE. NEW BREAKER SHALL MATCH EXISTING AIC RATING AND TYPE.

UTDOOR CONDENSING UNIT

Total Connected Load KVA 26.1

OUTDOOR CONDENSING UNIT

SPACE ONLY

4257 4721 4837

- DIESEL GENERATOR

- 2. DEMOLISH EXISTING PANEL AND SALVAGE EXISTING BRANCH CIRCUITS FOR RECONNECTION PER GENERAL DEMOLITION NOTES ON SHEET E3.1.
- 3. INTERCEPT EXISTING FEEDER WITH 10" SQUARE x 4" DEEP PULLCAN; SPLICE, AND EXTEND TO NEW PANEL
- 4. INTERCEPT AND LABEL EXISTING BRANCH CIRCUITS WITH (2) 12" SQUARE x 6" PULLCANS; SPLICE AND EXTEND TO NEW PANEL. PROVIDE #12 AWG WIRE FOR 20A CIRCUITS AND #10AWG WIRE FOR 30A CIRCUITS IN CONDUIT SIZED PER NEC.

<i>HHHHHHH</i>	(DEMOLISH)
	(EXISTING)
	(NEW)
	(E) FLOOR/PAD MOUNTED EQUIPMENT

FEE		EDER SCHEDULE		
DESIGNATION	AMPACITY	CONDUIT & CONDUCTORS SIZES		
F404	100	1 1/2" C., 4 #2 & 1 #8 GND.		

PARTIAL SINGLE LINE DIAGRAM

NO SCALE

HEET NUMBER

1712.1

CADD

CHITE

SAVA

ed to such use. Re-use, reproductio or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice.

Visual contact with these plans and

specifications shall constitute prima facie evidence of the acceptance of

PLAN CHECK 12/05/19

REVISIONS:

File name: D:\J0BS\1712.1\CD\

Xrefs: x1712 BDF

GENERAL DEMOLITION NOTES

- A. CONTRACTOR SHALL FIELD VERIFY EXTENT OF ELECTRICAL DEMOLITION AND QUANTITIES OF ELECTRICAL TO BE REMOVED AS DICTATED BY THE REQUIREMENTS OF THE PROJECT.
- B. REMOVAL SHALL INCLUDE WIRING, RACEWAY, BOXES, SWITCHES, LIGHT FIXTURES, ETC. AS INDICATED ON THE PLANS AND AS REQUIRED BY THESE DEMOLITION NOTES.
- C. RACEWAYS ASSOCIATED WITH ELECTRICAL BEING DEMOLISHED WHICH ARE CONCEALED IN EXISTING REMAINING WALLS MAY BE ABANDONED IN PLACE. REMOVE WIRING FROM CONDUIT.
- D. RACEWAYS ASSOCIATED WITH ELECTRICAL BEING DEMOLISHED WHICH ARE EXPOSED SHALL
- E. WHERE REMOVAL OF EQUIPMENT OR WIRING IS INDICATED, IT SHALL INCLUDE ALL ASSOCIATED
- WIRING BACK TO LAST ACTIVE REMAINING OUTLET, DEVICE, FIXTURE OR PANEL. ELECTRICAL CONTRACTOR SHALL INSURE THAT ALL REMAINING ACTIVE CIRCUITS, DEVICES, OUTLETS, LIGHT FIXTURES, ETC. HAVE NOT BEEN DISCONNECTED OR MADE INOPERATIVE
- G. ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL REMOVED ELECTRICAL EQUIPMENT AND MATERIAL.
- H. NO REMOVED EQUIPMENT OR MATERIAL SHALL BE REUSED AS PART OF NEW WORK, U.O.N.
- I. EXISTING REMAINING CONCEALED RACEWAYS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK.
- J. EXISTING FLUSH OUTLETS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK, MEET THE REQUIREMENTS OF THE CURRENT C.E.C. FOR VOLUME AND COINCIDE WITH LOCATION SHOWN FOR THE NEW WORK.
- K. FLUSH OUTLET BOXES IN EXISTING WALLS TO REMAIN MAY BE ABANDONED IN PLACE. REMOVE DEVICES AND WIRING, PLUG OPENING AND PROVIDE AND INSTALL A BLANK DEVICE PLATE.
- L. EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
- M. WHERE TELEPHONE, COMPUTER DATA, FIBER OPTICS, FIRE ALARM OR OTHER COMMUNICATIONS OUTLETS OR WIRING IS TO BE DEMOLISHED IT SHALL BE REMOVED BACK TO THE NEXT TERMINAL POINT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER OR HIS REPRESENTATIVE TO HAVE EQUIPMENT AND WIRING DESIGNATED FOR REMOVAL OR PRESERVATION PRIOR TO REMOVAL OF OUTLET BOXES, CONDUIT OR WIRING BY ELECTRICAL
- N. COORDINATE WITH OWNER PRIOR TO START OF DEMOLITION TO MINIMIZE POWER INTERRUPTIONS, WORK MAY HAVE TO OCCUR DURING NON-REGULAR BUSINESS HOURS. COORDINATE IN WRITING WITH OWNER ONE WEEK PRIOR TO PLANNED POWER INTERRUPTIONS.

CHITE





ed to such use. Re—use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute primary. specifications shall constitute prima facie evidence of the acceptance of these restrictions.

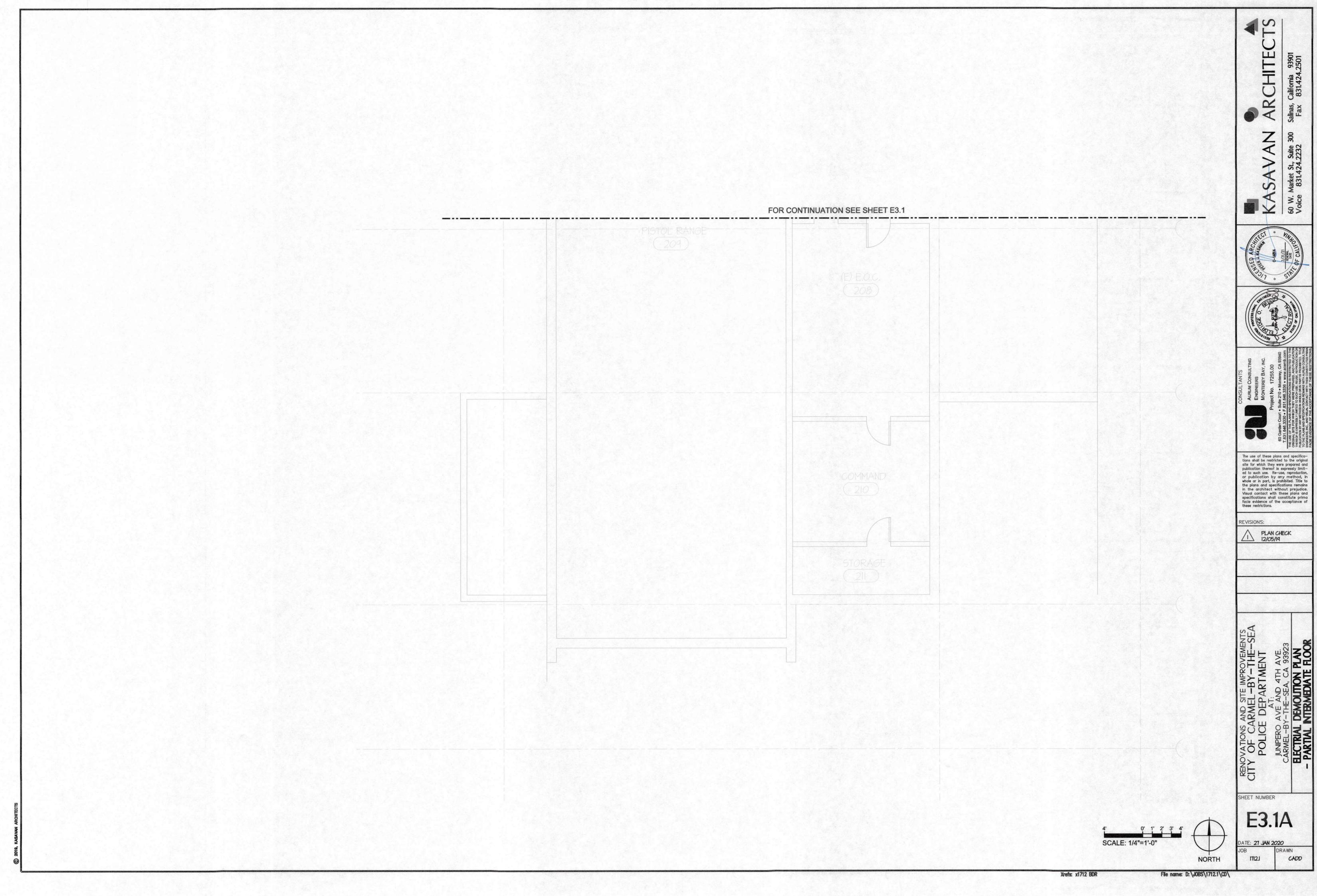
PLAN CHECK 12/05/19

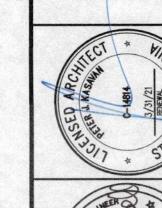
SHEET NUMBER

1712.1

DRAWN

SCALE: 1/4"=1'-0" NORTH



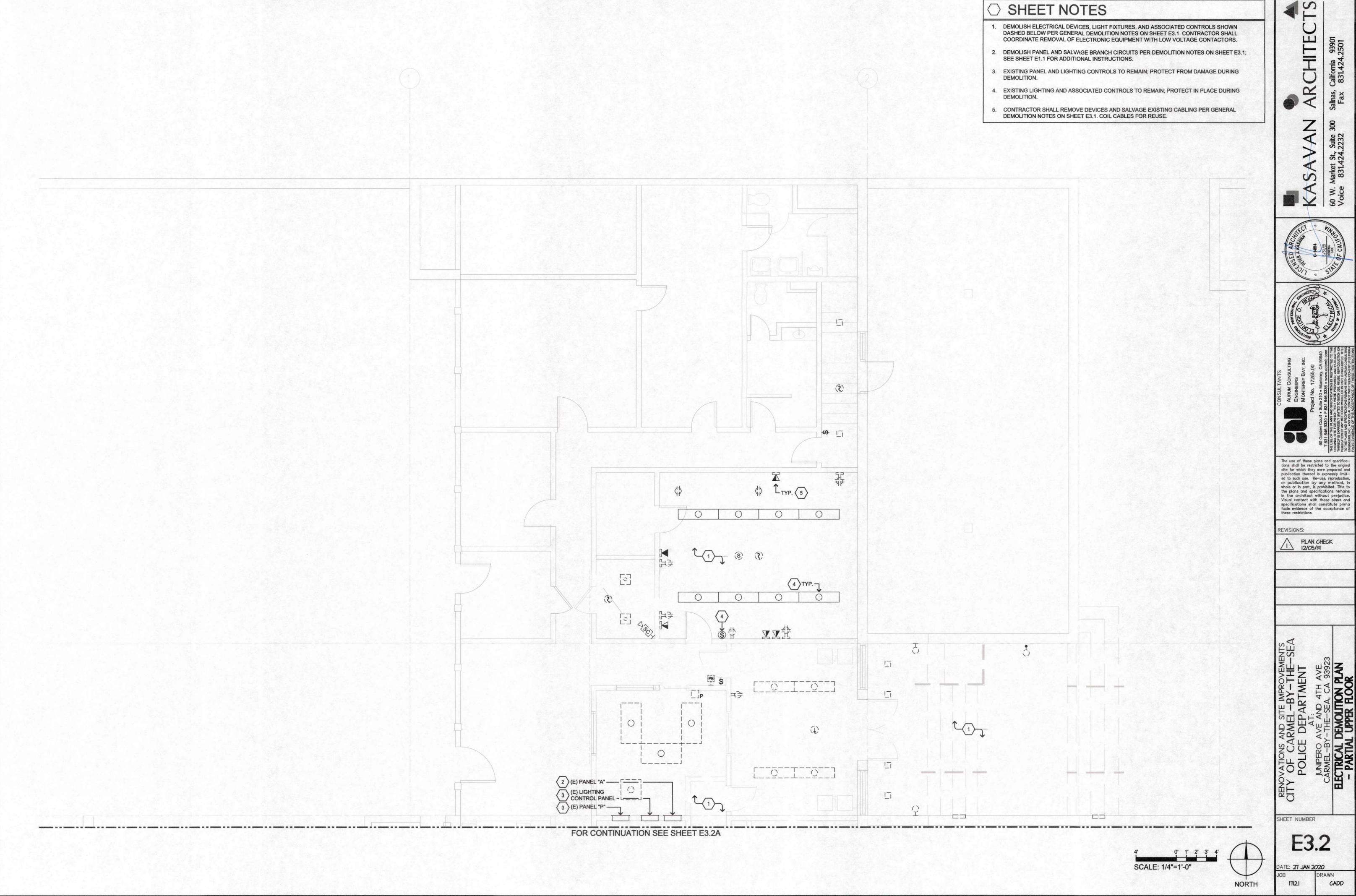




The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re—use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

PLAN CHECK 12/05/19

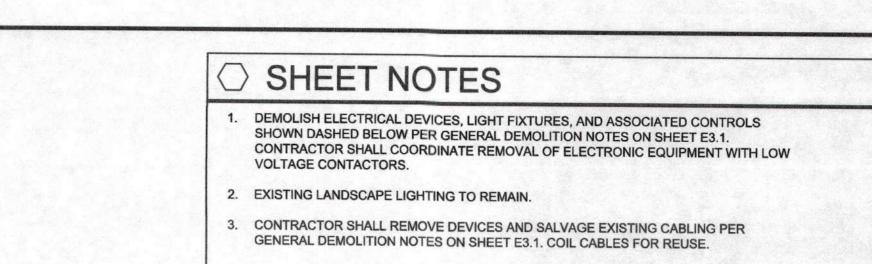
E3.1A



Xrefs: x1712 BDR

File name: D:\J0BS\1712.1\CD\

CADD



CHITE(

site for which they were prepared and publication thereof is expressly limit—ed to such use. Re—use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

PLAN CHECK 12/05/19

SHEET NUMBER

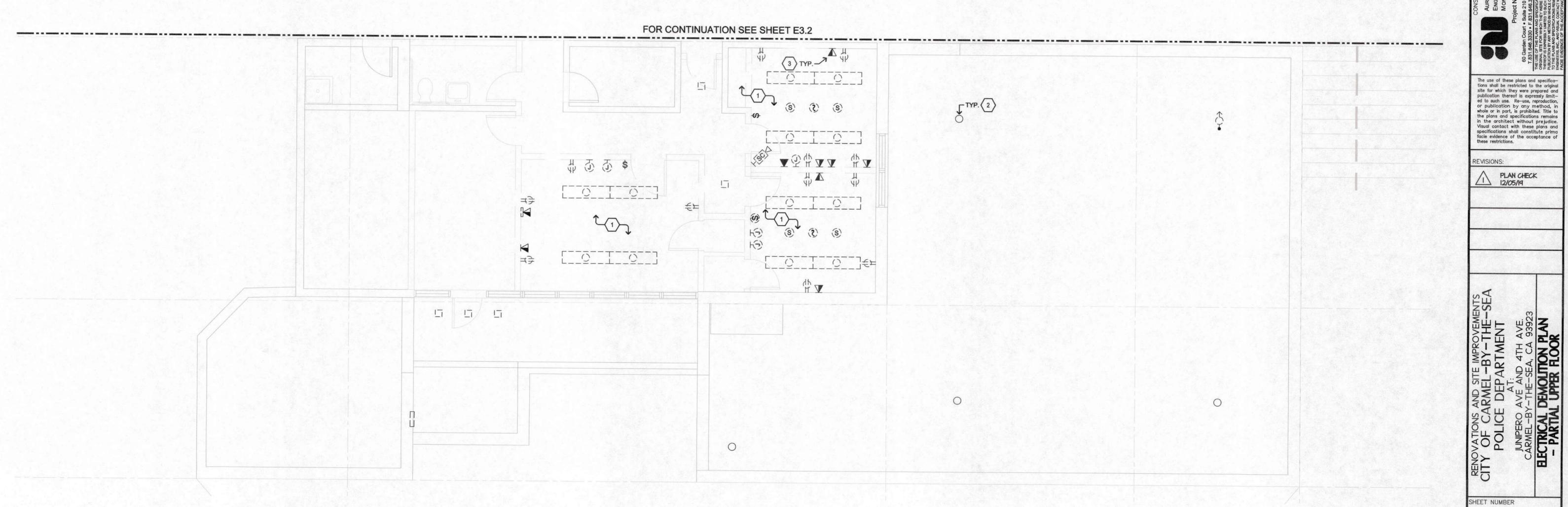
E3.2A

DRAWN

CADD

DATE: 27 JAN 2020

1712.1



NORTH

Xrefs: x1712 BDR

REQUIREMENT	CIRCUIT LENGTH	CIRCUIT AMPACITY/VOLTAGE
½" C., 2 #10 & 1 #10 GND.	56'-90'	20/120
½" C., 2#8 & 1#10 GND.	91'-140'	20/120
½" C., 2 #10 & 1 #10 GND.	131'-205'	20/277
½" C., 2#8 & 1#10 GND.	206'-330'	20/277

CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

2						
	()	CI		TN	OT	ES
		OI	ILL	IIA	U	LO

1. 1.5 HP, 208V, 3Ø.

2. 0.75 HP, 120V.

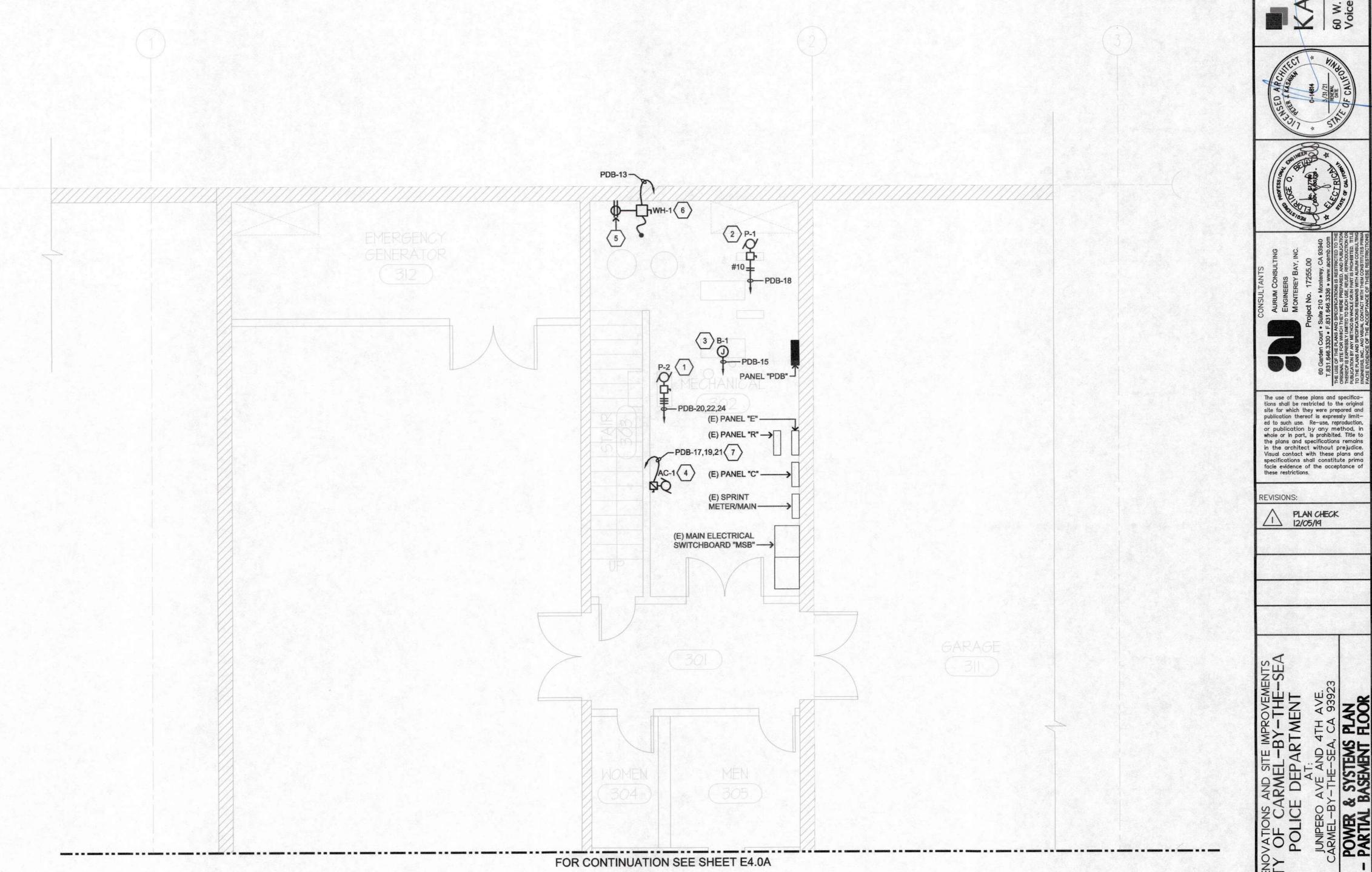
3. LOCATE FOR BOILER CONTROL POWER, 120V.

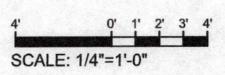
4. 30.6 MCA, 208V, 3Ø.

5. LOCATE FOR WATER HEATER CIRCULATION PUMP. PROVIDE AND INSTALL CORD AND PLUG.

6. LOCATE FOR WATER HEATER CONTROL POWER, 120V.

7. 1"C., 3 #6 & 1 #10 GND.





NORTH

SHEET NUMBER

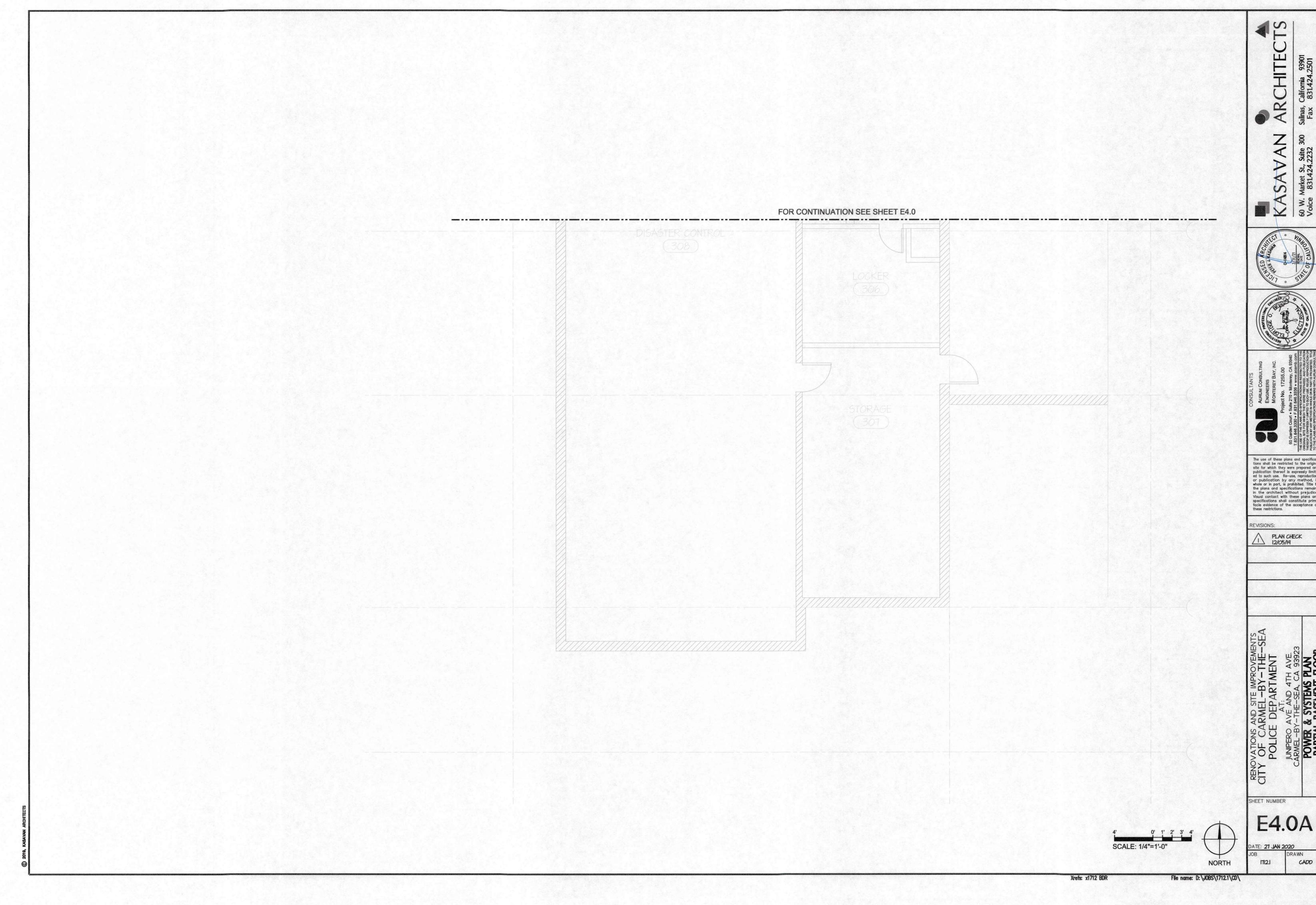
1712.1

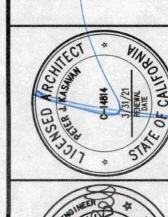
OB DRAWN

CADD

Xrefs: x1712 BDR

File name: D:\J08S\1712.1\CD\







The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re—use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

DATE: **21 JAN 2020**JOB DRAWN

	AMPACITY/VOLTAGE CIRCUIT LENGTH REQUIREMENT 20/120 56'-90' ½" C., 2 #10 & 1 #10 GND. 20/120 91'-140' ½" C., 2 #8 & 1 #10 GND. 20/277 131'-205' ½" C., 2 #10 & 1 #10 GND. 20/277 206'-330' ½" C., 2 #8 & 1 #10 GND. 3. (3) 2"C.O SYSTE CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, 5. SPLIT SYSTEM E	RMINAL BOARD "TTB-IF"; ¾" THICK × 8"H EXTERIOR GRADE, 1-HOUR RATED FRACTOR SHALL PAINT WITH (2) COATS OF FIRE RETARDANT PAINT; DO NOT WOOD RATING LABELS. G GROUND TO BASEMENT SERVICE GROUND BUS. EMS; TO AV ROOM LOCATED ON UPPER LEVEL. OR EF-3. EXTEND CONDUIT AND LINE VOLTAGE WIRING TO UNIT; SEE SHEET E4.3 VAPORATOR POWERED VIA OUTDOOR CONDENSING UNIT; SEE SHEET E4.3 FOR VIDE WIRING PER MANUFACTURER'S INSTRUCTIONS.
		A
	4) +69 DN. CLOSET 202	CONSULTANTS
	STORAGE 204) STORAGE 204) ALARM 205	The tior site put ed or who the in Visus spe face the
	GROUND BAR (4) E1.1) VESTIBULE 201	IMPROVEMENTS
	FOR CONTINUATION SEE SHEET E4.1A	RENOVATIONS AND SITE IMPROVEMENTS
		SHE

SHEET NOTES

BRANCH CIRCUIT CONDUCTOR SIZING TABLE

ARCHITECTS

The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limit. publication thereof is expressly limit—
ed to such use. Re-use, reproduction,
or publication by any method, in
whole or in part, is prohibited. Title to
the plans and specifications remains
in the architect without prejudice.
Visual contact with these plans and
specifications shall constitute prima
facie evidence of the acceptance of
these restrictions.

REVISIONS:

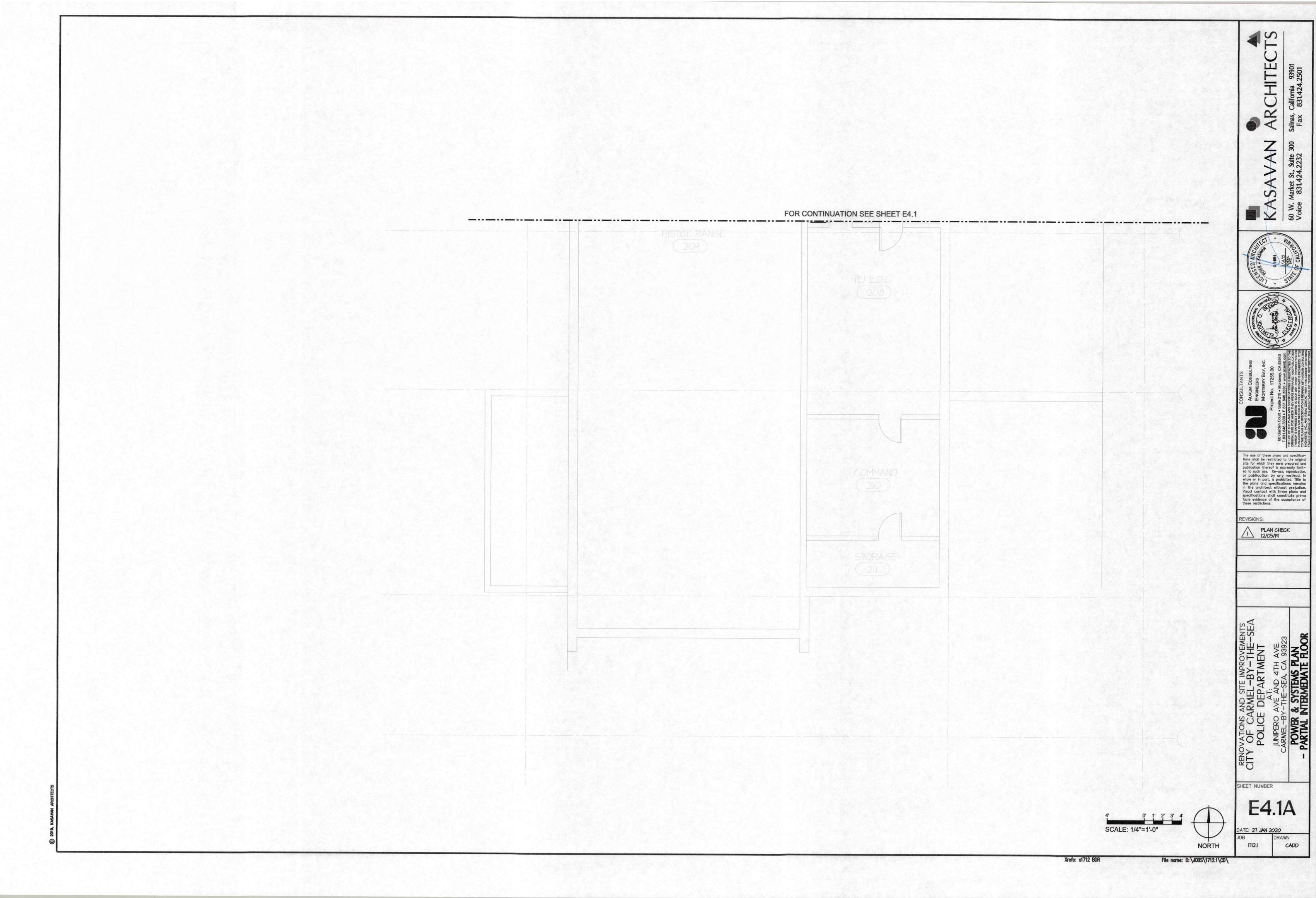
PLAN CHECK 12/05/19

SHEET NUMBER E4.1

DRAWN CADD 1712.1

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

NORTH



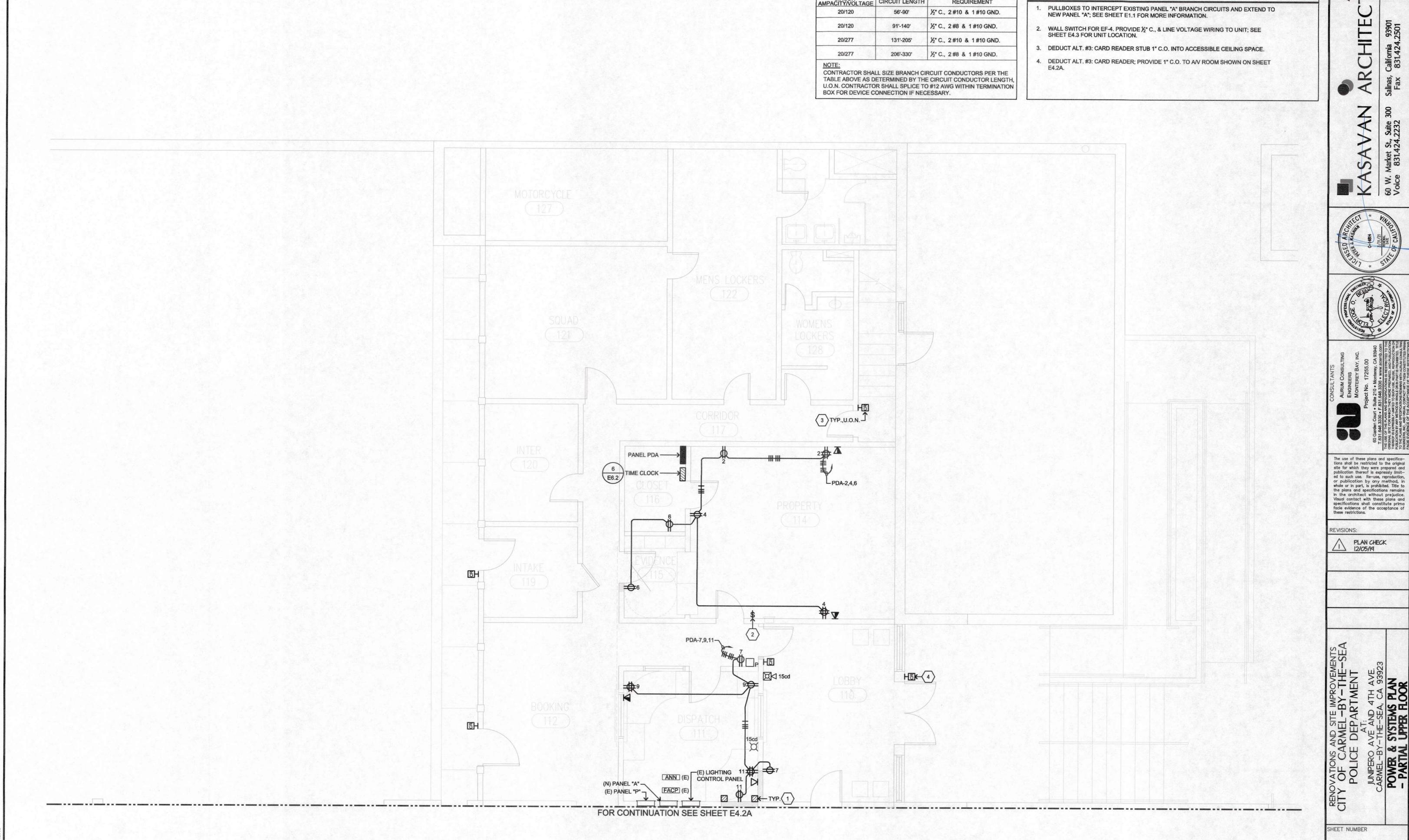
toCAD-PDF (General Documentation).pc3

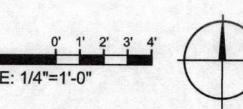
BRANCH CIRCUIT CONDUCTOR SIZING TABLE CIRCUIT AMPACITY/VOLTAGE CIRCUIT LENGTH REQUIREMENT 20/120 56'-90' 1/2" C., 2 #10 & 1 #10 GND. 20/120 ½" C., 2#8 & 1#10 GND. 20/277 131'-205' ½" C., 2 #10 & 1 #10 GND. ½" C., 2#8 & 1#10 GND. 20/277 206'-330'

CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

SHEET NOTES

- PULLBOXES TO INTERCEPT EXISTING PANEL "A" BRANCH CIRCUITS AND EXTEND TO NEW PANEL "A"; SEE SHEET E1.1 FOR MORE INFORMATION.
- WALL SWITCH FOR EF-4. PROVIDE ½" C., & LINE VOLTAGE WIRING TO UNIT; SEE SHEET E4.3 FOR UNIT LOCATION.
- 3. DEDUCT ALT. #3: CARD READER STUB 1" C.O. INTO ACCESSIBLE CEILING SPACE.
- 4. DEDUCT ALT. #3: CARD READER; PROVIDE 1" C.O. TO AV ROOM SHOWN ON SHEET





1712.1

CADD

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2#8 & 1#10 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.

CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

○ SHEET NOTES

1. 13W, 120V.

SWITCH VIA LIGHTING ROOM CONTROLLER.

1¼"C.O. FOR DATA.

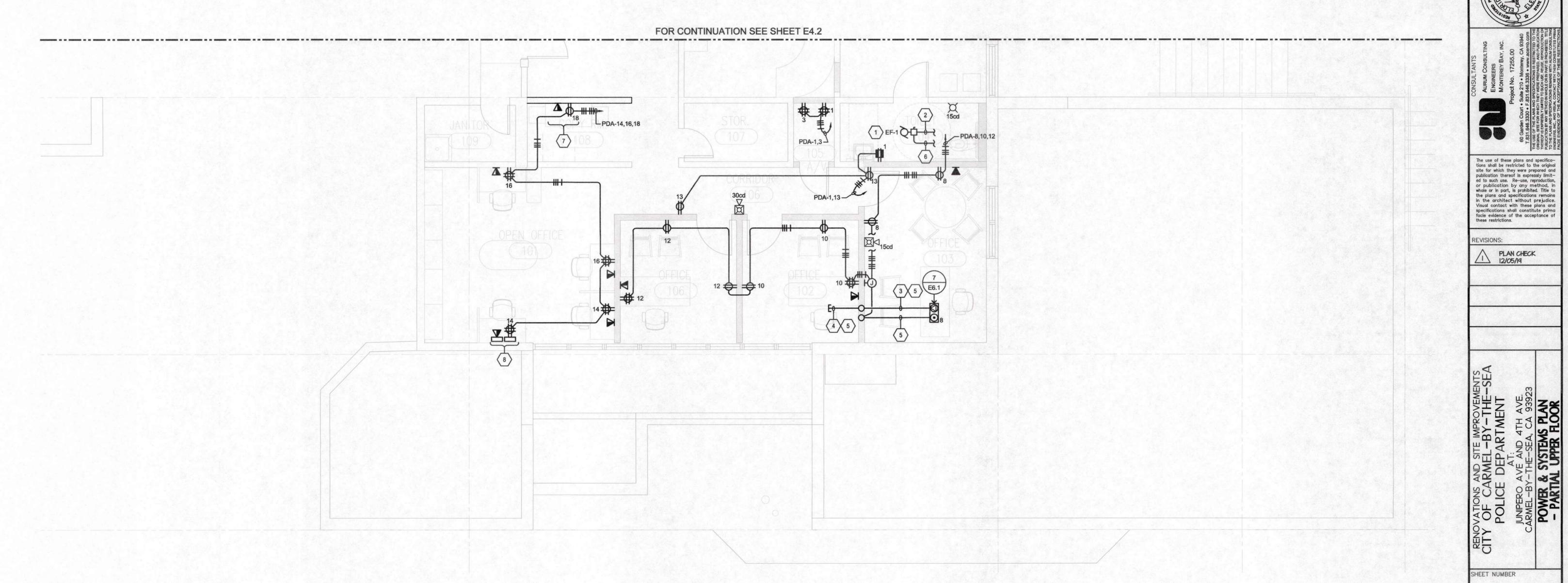
4. STUB INTO ACCESSIBLE CEILING SPACE.

ROUTE UNDER FLOOR IN CEILING SPACE.

6. CONNECT TO LIGHTING BRANCH CIRCUIT; SEE E5.2A FOR CONTINUATION.

LOCATE FOR COPIER/PRINTER.

8. PROVIDE SURFACE MOUNT RACEWAY TO ACCESSIBLE CEILING SPACE.



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

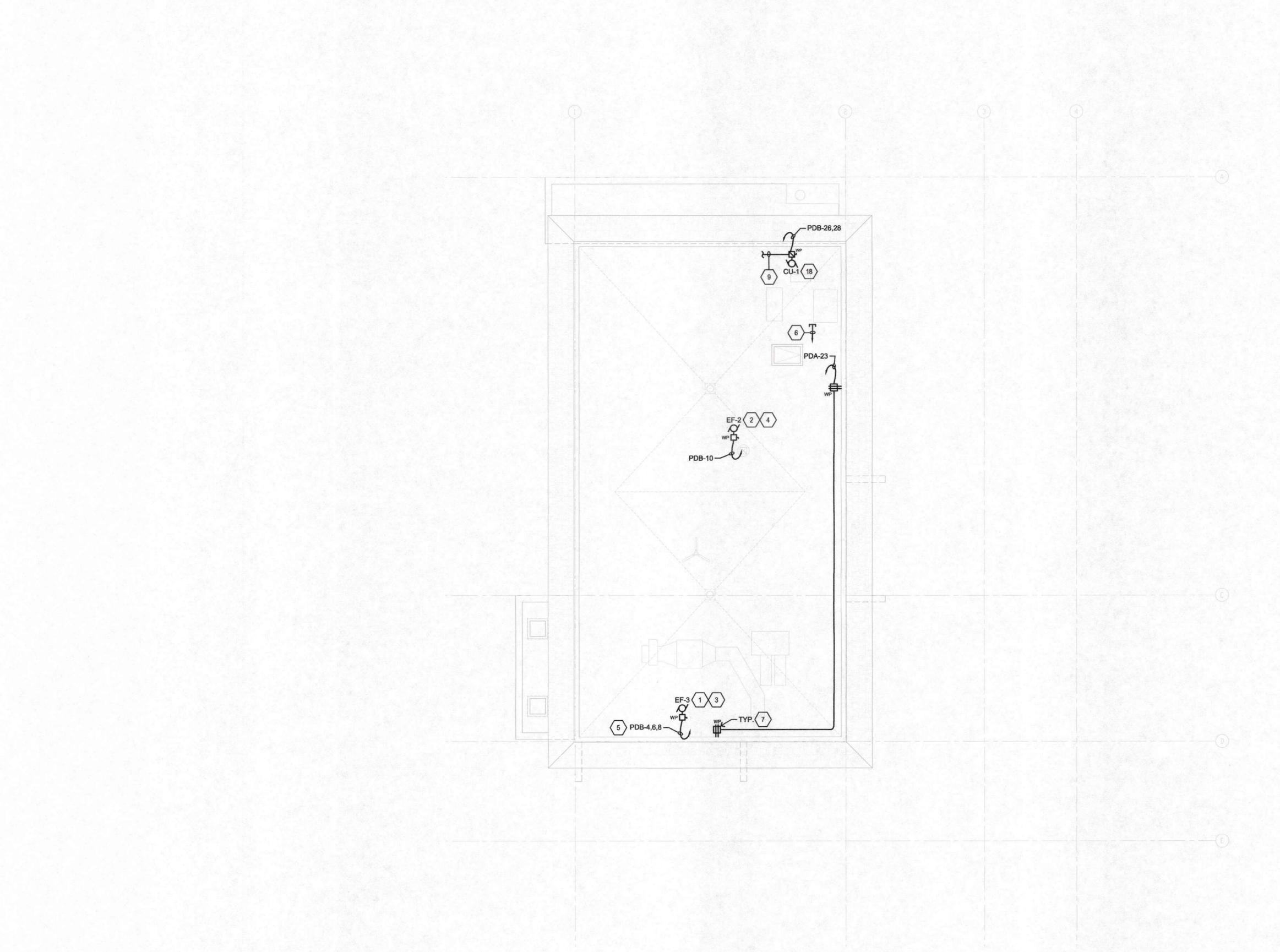
Xrefs: x1712 BDR

DATE: 21 JAN 2020 DRAWN

CADD

1712.1

File name: D:\JOBS\1712.1\CD\



○ SHEET NOTES

- 1. 5 HP, 208V, 3Ø; PROVIDE STAINLESS STEEL DISCONNECT.
- 2. 1/6 HP, 120V; PROVIDE STAINLESS STEEL DISCONNECT.
- 3. COORDINATE WALL SWITCH WITH MECHANICAL; SEE SHEET M0.1 FOR INFORMATION & E4.1 FOR
- COORDINATE WALL SWITCH WITH MECHANICAL; SEE SHEET M0.1 FOR INFORMATION & E4.2 FOR LOCATION.
- 5. 3/4" C., WITH 3 #8 & 1 #10 GND.
- 4"C.O. FOR DATA CONDUIT; HOMERUN TO MPOE ROOM. SEE SHEET E4.1 FOR LOCATION. CAP & WEATHER SEAL OPENING ON ROOF.
- 7. PROVIDE AND INSTALL WEATHER RESISTANT GFCI RECEPTACLE MOUNTED IN "F5" BOX WITH IN-USE COVER, TAYMAC OR EQUAL.
- 8. 12.1A, 208V, 1Ø; PROVIDE STAINLESS STEEL FUSED DISCONNECT.
- 1"C. WITH 2 #12 & 1 #12 GND TO INDOOR EVAPORATOR; SEE SHEET E4.1 FOR CONTINUATION. INSTALL PER MANUFACTURER'S REQUIREMENTS.





The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limit—ed to such use. Re—use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

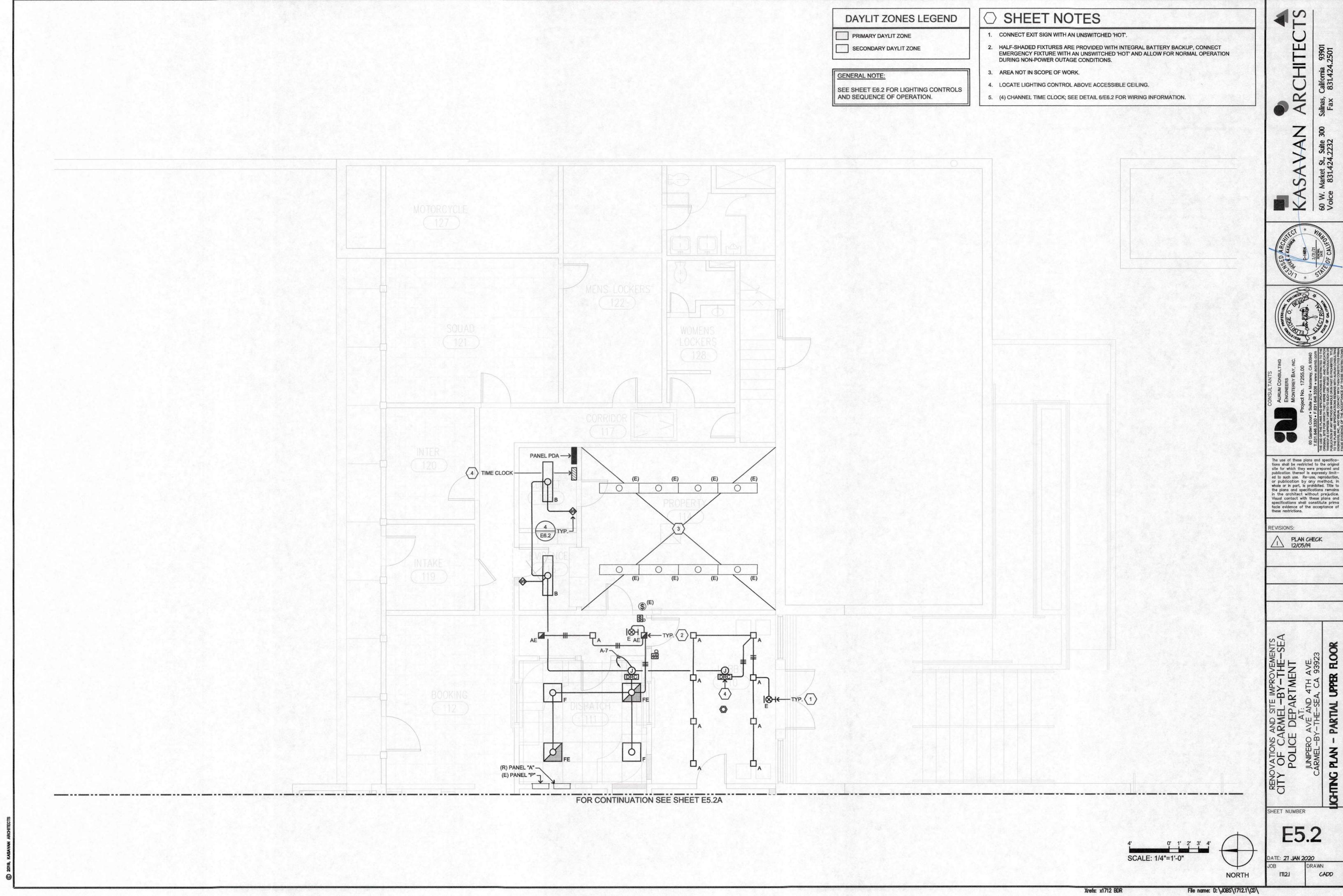
REVISIONS:

PLAN CHECK 12/05/19

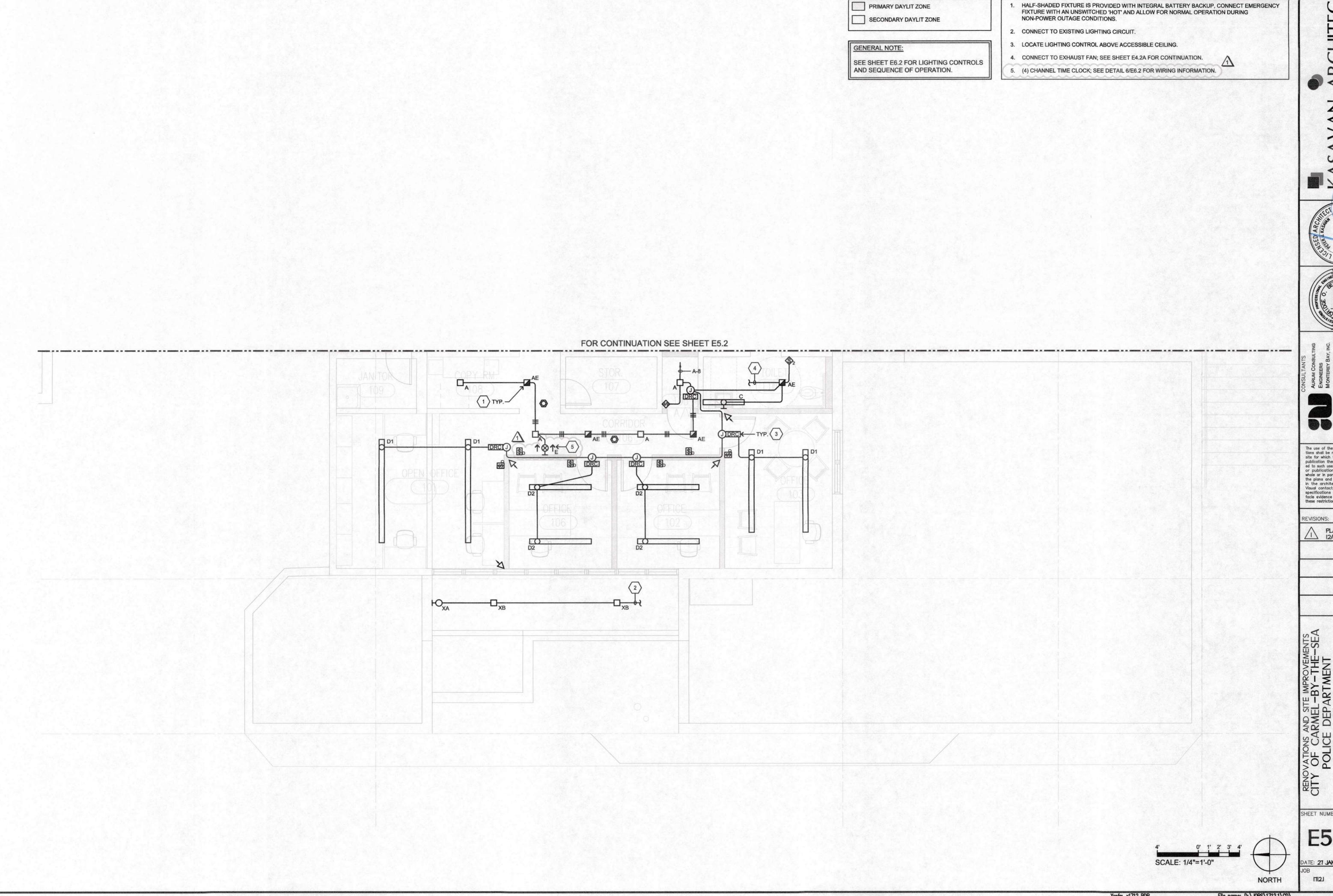
SHEET NUMBER

DATE: 27 JAN 2020
DRAWN
CADD

SCALE: 1/8"=1'-0" NORTH



CADD



ARCHITE

The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limit—
ed to such use. Re—use, reproduction,
or publication by any method, in
whole or in part, is prohibited. Title to
the plans and specifications remains
in the architect without prejudice.
Visual contact with these plans and
specifications shall constitute prima
facie evidence of the acceptance of
these restrictions.

PLAN CHECK 12/05/19

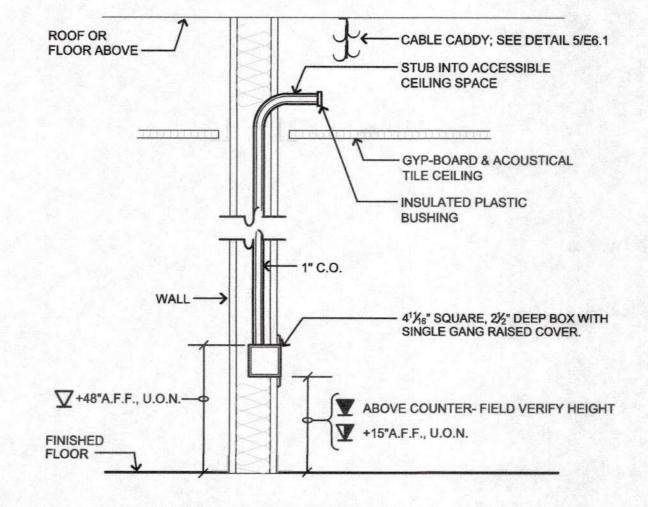
SHEET NUMBER

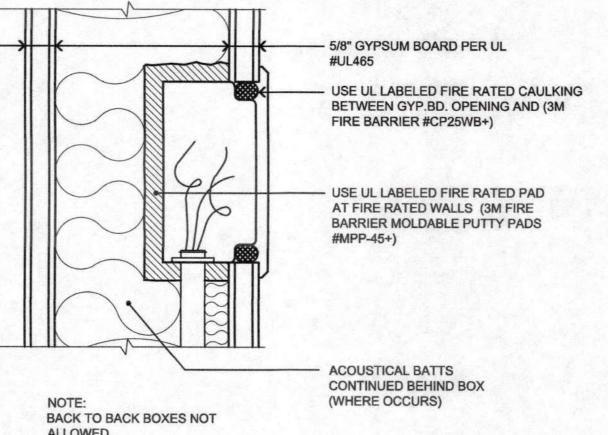
DRAWN 1712.1

SHEET NOTES

DAYLIT ZONES LEGEND

J-HOOK MOUNTING DETAIL

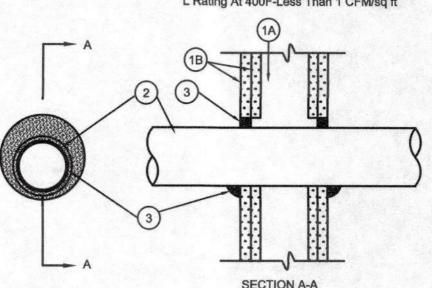




ELECTRICAL RECEPTACLE CAULKING (TYP.)

SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS

> U.L. System No. W-L-1049 F Rating-1 and 2 Hr (See Item 1B) T Rating-0 HR L Rating At Ambient-Less Than 1 CFM/sq ft L Rating At 400F-Less Than 1 CFM/sq ft



1. Wall Assembly-The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features: A. Studs-Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.

B. Wallboard, Gypsum*-5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 25-3/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrant-One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (point contact) to max 1-3/4 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

- A. Steel Pipe-Nom 24 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
- B. Iron Pipe-Nom 24 in. diam (or smaller) cast or ductile iron pipe.
- C. Conduit-Nom 4 in. diam (or smaller) steel electrical metallic tubing, nom 6 in. diam (or smaller) steel conduit or nom I in. diam (or smaller) flexible steel conduit.
- D. Copper Tubing-Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
- E. Copper Pipe-Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

3. Fill, Void or Cavity Material*-Sealant-Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of wall. At the point contact location between through penetrant and gypsum wallboard, a min 3/8 in. diam bead of fill material shall be applied at the gypsum wallboard/through

Specified Technologies Inc.-SpecSeal 100, 101, 102 or 105 Sealant Bearing the UL Classification Marking

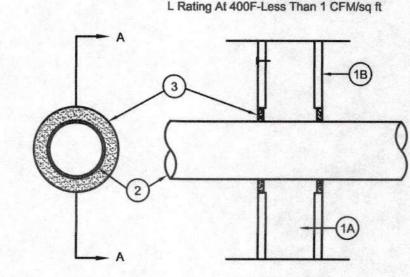
penetrant interface on both surfaces of wall.

2-HR FIRE-RATED WALL PENETRATION

NO SCALE

SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS

U.L. System No. W-L-1062 T Rating-0 HR L Rating At Ambient-Less Than 1 CFM/sq ft L Rating At 400F-Less Than 1 CFM/sq ft



SECTION A-A

 Wall Assembly-The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs-Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in OC. Steel studs to be min 3|Q5|W/|A8|S in. wide and spaced max 24 in. OC.

B. Wallboard Gypsum*-One Layer of nom |Q5|W/|A8|S in. thick gypsum wallboard as specified in the individual Wall and Partition Design. Max diam of opening is 4|Q3|W/|A4|S in.

2. Through Penetrants-One metallic conduit to be installed within the firestop system. The space between the conduit and periphery of opening shall be a min |Q1|W/|A4|S in. to a max |Q3|W/|A8|S in. Conduit to be rigidly supported on both sides of wall assembly. A nominal 4 in. diameter (or smaller) electrical metallic tubing or steel conduit may be used.

3. Fill, Void or Cavity Material*-Caulk-Min 1|Q1|W/|A2|S in. thickness of fill material applied within the annulus, flush with both surfaces of wall.

General Electric Co.-Pensit 100 Caulk.

Specified Technologies Inc.-Pensil 100 Sealant and Pensit 300 Sealant.

*Bearing the UL Classification Marking

NO SCALE

1-HR FIRE-RATED WALL PENETRATION

CHITE

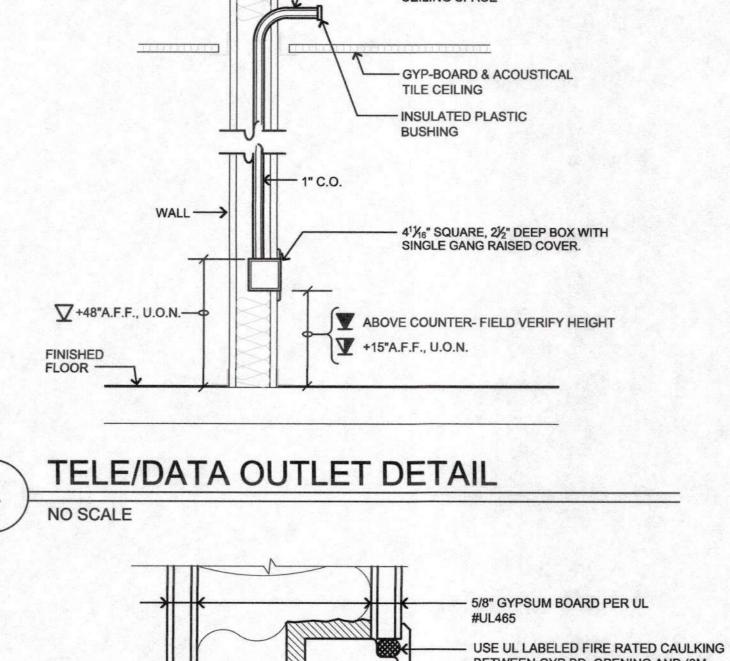
The use of these plans and specificapublication thereof is expressly limit— ed to such use. Re—use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. specifications shall constitute prime facie evidence of the acceptance of

EVISIONS:

PLAN CHECK 12/05/19

SHEET NUMBER E6.1

DRAWN 1712.1 CADD



ACCESSIBLE CEILING

1-HR FIRE RATED WALL PENETRATION NO SCALE

SECTION A-A

- CONDUIT PER PLAN, TYP

1/2"C.O. DOWN

- HOLLOW METAL

DOOR JAMP

J-BOX

TO CARD READER

LEAVE 24" PIGTAILS.

WITH BLANK COVER

4" SQ. J-BOX

- SECURE

CORRIDOR -

TAPE & TAG CONDUCTORS

PROVIDE AND INSTALL (2) DUPLEX RECEPTACLE

COVERS AND DATA DEVICE MOUNTING PLATE

PER FLOOR BOX. COORDINATE COVER WITH

3/4" DATA CONDUIT, SEE PLANS.

4" DIAMETER CORE DRILL

ACCESSIBLE CEILING

3/4" POWER CONDUITS, SEE PLANS.

STUB 1/2"C.O. DOWN

INTO HOLLOW METAL

DOOR JAMP

- CARPET FLOOR

METAL DECK

-CONCRETE

WIREMOLD RC4 SERIES POKE-THRU MOUNTING DETAIL

CORE DRILL

NO SCALE

CARD READER FLUSH OUTLET

READER SUPPLIER, INSTALLED

VERIFY EXACT MOUNTING WITH

NO SCALE

BOX PROVIDED BY CARD

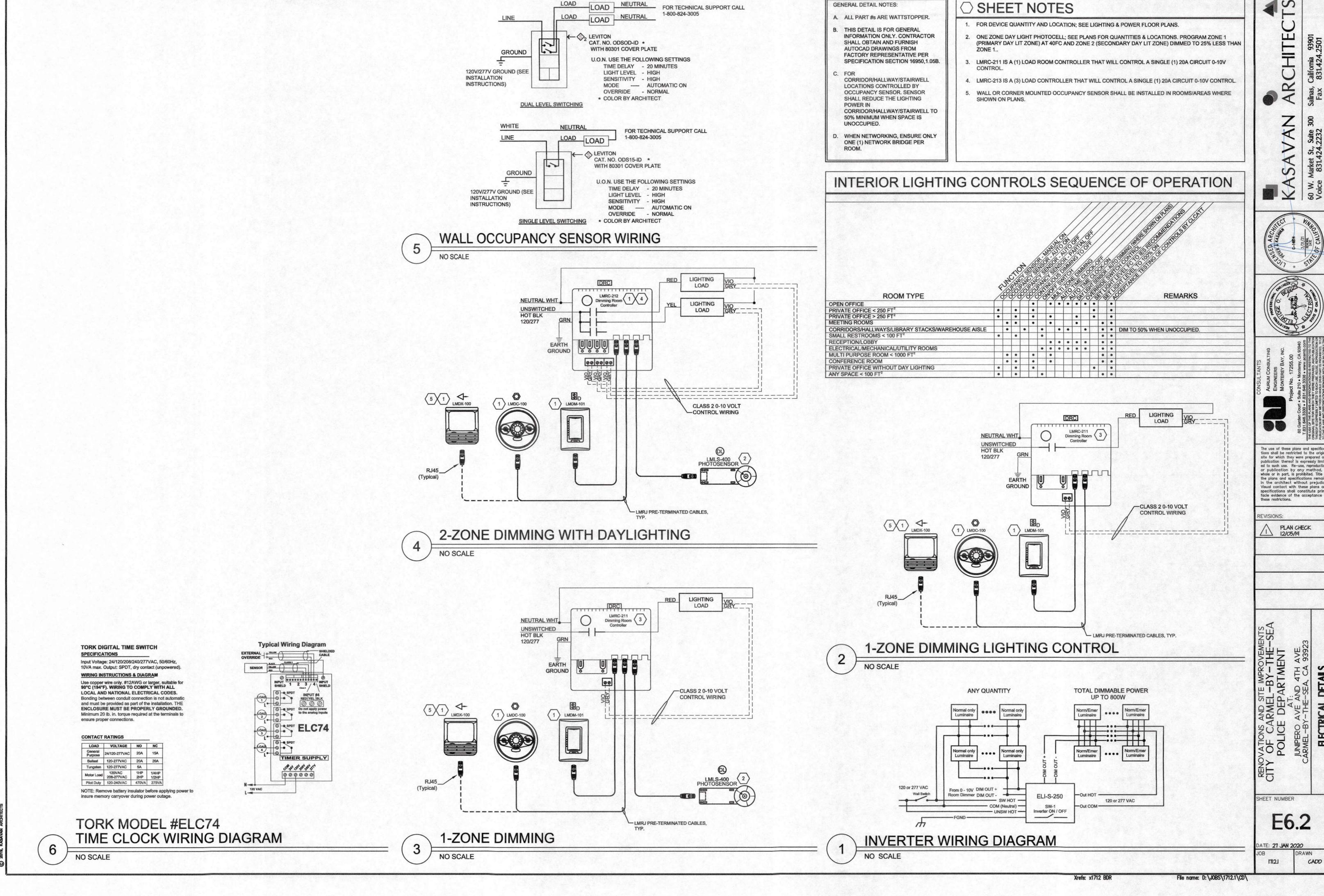
BY ELECT. CONTRACTOR,

CONDUIT PER

1/2"C.O.-

CARD READER DETAIL

Xrefs: x1712 BDR



The use of these plans and specificaed to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.