CERTIFICATE OF			-61				CC-ELC
Project Name:	San bernarding	County Fire Department: Fire Station 227		Report Page:		(P	age 4 of
		100	]	Date Prepared:			3/7/202
H. VOLTAGE DRO	np.						
				2.2	Sheet Number for Voltage Drop	Field In:	spector
Electrical Designation/		Combined Voltage Drop on Installed Fee Circuit Conductors Compliance M		Location of Voltage Drop Calculations <sup>1</sup>	Calculations in Construction Documents	Pass	Fail
MS	A	⊠ Voltage drop less than □ Code	ted by CA Elec (Exception to 30.5(c))*	Attached	E4.1		
* NOTES: If "Perm	itted by CA Elec	Code *" is selected under Compliance Meth	od above, please	e indicate where the exception a	pplies in the space provided below.		
		lations may be attached to the permit applie the responsibility of the installing contract			owed by the Authority Having Jurisdic	tion. Select	"attache
				5-7 4 5 7 7 7 7 7 7 7 1 4 1 5 7 7 1 4 1 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
	<b>ROLS FOR 120</b>	-VOLT RECEPTACLES AND CONTROLLED	RECEPTACLES				
I. CIRCUIT CONT							
S ENGRESS REAR	not apply to this	project.		4			
I. CIRCUIT CONT This section does	not apply to this	project.		2			
S ENGRESS REAR		-					
This section does	DY BUILDINGS						
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This section does  J. ELECTRIC REA  This section does	DY BUILDINGS						
This section does  J. ELECTRIC REA  This section does  K. DECLARATION	DY BUILDINGS not apply to this	project.  D CERTIFICATES OF INSTALLATION	If any selection I		unlicant, an explanation should be incl	luded in Tah	le F
This section does  J. ELECTRIC REA  This section does  K. DECLARATION  Selections have be	DY BUILDINGS not apply to this N OF REQUIRES een made based	project.  D CERTIFICATES OF INSTALLATION  on information provided in this document.		nave been changed by permit ap		luded in Tab	le E.
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This section does  J. ELECTRIC REA  This section does  K. DECLARATION  Selections have be  Additional Reman	DY BUILDINGS not apply to this N OF REQUIRED een made based ks. These docum	D CERTIFICATES OF INSTALLATION  on information provided in this document. In the sents must be provided to the building inspec	ctor during cons	nave been changed by permit ap truction and can be found online		luded in Tab	le E.
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This section does  J. ELECTRIC REA  This section does  K. DECLARATION  Selections have be  Additional Reman	DY BUILDINGS not apply to this N OF REQUIRED een made based ks. These docum	D CERTIFICATES OF INSTALLATION  on information provided in this document. In the sents must be provided to the building inspec	ctor during cons	nave been changed by permit ap truction and can be found online		luded in Tab	le E.
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EA/ HERS Certification Identification (if applicable):

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)

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

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.

(760) 560-0100

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Schema Version: rev 20220101

4. 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,

CALIFORNIA ENERGY COMMISSION

Eduardo G Dans

Documentation Software: EnergyPro

EnergyPro-5511-0325-5616

Compliance ID:

NRCC-ELC-E

(Page 5 of 5)

3/7/2025

STATE OF CALIFORNIA

Project Address:

Documentation Author Name:

Company: Salas O'Brien Engineers

Responsible Designer Name:

3220 Executive Ridge, Sutie 210

Ed David

Company: Salas Obrien

City/State/Zip:

Documentation Software: EnergyPro

Vista CA 92081

Address: City/State/Zip:

**Electrical Power Distribution** 

Project Name: San bernardino County Fire Department: Fire Station 227

I certify that this Certificate of Compliance documentation is accurate and complete.

plans and specifications submitted to the enforcement agency for approval with this building permit application.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

of Title 24, Part 1 and Part 6 of the California Code of Regulations.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

The information provided on this Certificate of Compliance is true and correct.

CERTIFICATE OF COMPLIANCE

CERTIFICATE OF COM	MPLIANCE							NRCC-ELC
160.6 and 160.9 fc	or electrical systems Iso use this documer	in newly cons	tructed multifamily o	occupancies. Ad	ditions and a	cal systems in newly constructed alterations to electrical service s lterations. For multifamily addit	ystems in nonresidential	and hotel/motel
Project Name: S	an bernardino County	Fire Departme	nt: Fire Station 227		Report I	Page:		(Page 1 of
Project Address:		in a to the court deduction are are	Control of the Control of Control	180 W. 38th S	treet Date Pre	epared:		3/7/20
							Tii	- 1000
A. GENERAL INF	ORMATION	-				- Table B		722
01 Project Lo	cation (city)	s	an Bernardino		02	Climate Zone		1
	25 25 2	J,			03	Occupancy Types Within Proje	ect:	
B. PROJECT SCO	PE		41					
This table includes	electrical systems ti	hat are withir	the scope of the per	mit application.				
01	02	03	04	05		06		07
Electrical Service Designation/ Description	Scope of Work <sup>1</sup>	Rating <sup>2</sup> (kVA	Utility Provided Metering System Exception to 130.5(a)/ 160.6(a) <sup>3</sup>	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)		Demand Response Controls		Provides power to dwelling units/common living area only in multifamily occupancy
MSA	New electrical service equipment and meter	200			which are of least one demand Sections mechai	equired, demand response contra capable of receiving and automa e standards based messaging pro- response after receiving a dem is 120.2/160.3, 130.1/160.5, and inical, indoor lighting, and sign lighting and sign lighting and sign lighting and sign lighting are required	atically responding to at rotocol which enables hand response signal. and 130.3/160.5, and ghting Certificate of en demand response	
If common use area	as in a multifamily are ility company is provid	submetered, ro	ating is for submeter siz	e serving commo nstantaneous kW Ge nce Re	n use areas.  demand and  nerated Date  port Version:	2022.0.000	Docume	entation Software: EnergyPr Compliance IE
				Sch	nema Versior	n: rev 20220101		EnergyPro-5511-0325-561 erated: 2025-03-07 10:35:4

CERTIFICATE OF CO	OMPLIA	NCE						2				10	NRCC-
Project Name: Sa	an berna	ardino Co	unty Fire Dep	artment	: Fire Station :	227		Report Page:					(Page
								Date Prepared	<u>.</u>				3/
C. COMPLIANCE RE	SUITS												
	re auto							es F through J. Not	: If any cell on th	nis table s	ays "COMPLIES with Exc	ceptional Cond	ditions"
01			02		03			04	05			06	
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Monitori 16	ration for ing 130.5(b)/ 50.6(b) Table G)	AND	Voltage D 130.5(c)/ 16 (See Tabl	60.6(c)	AND	Controlled Receptacles 130.5(d)/ 160.6(d (See Table I)	Electric Read (See Tab	I COM		ance Results	
Yes	AND		Yes	AND	Yes		AND	Yes	Yes		СО	COMPLIES	
This table includes re	MARKS marks n	nade by tl	he permit app					tered in tables thro	ughout the form	2			
This table includes re	MARKS marks n	nade by tl E <b>TERING</b> olacemen	he permit app t electrical se	olicant to	o the Authorit	ty Having ipment to	Jurisdic o demon	tion. estrate compliance	with 130.5(a) / 1	60.6(a). i	For multifamily occupan velling units do not.	cies, submete	red syst
This table includes re  F. SERVICE ELECTRI  This table includes ne	MARKS marks n	nade by tl E <b>TERING</b> olacemen	he permit app t electrical se	olicant to	o the Authorit	ty Having ipment to	Jurisdic o demon	tion. estrate compliance	with 130.5(a) / 1	60.6(a). i		cies, submete	8.
F. SERVICE ELECTRI This table includes ne that provide power to	MARKS marks n CAL MI ew or rep o comm	nade by the ETERING placement on use are	t electrical seeas must mee	olicant to	o the Authorit stems OR equi llowing meter	ty Having ipment to ring requi	Jurisdic demon rements 03 Capabi	strate compliance s. Submetered syst	with 130.5(a) / 1 ems providing po	.60.6(a). i wer to dv	velling units do not. 04	121	5
F. SERVICE ELECTRI This table includes ne that provide power to	MARKS marks n  CAL MI  ew or rep o comm	nade by the ETERING placement on use are	t electrical seeas must mee	olicant to	stems OR equi llowing meter Required neous Hi	ty Having ipment to ring requi	Jurisdic o demon rements 03 Capabi	tion. estrate compliance s. Submetered syst	with 130.5(a) / 1 ems providing po	60.6(a). i	velling units do not.	05	5
F. SERVICE ELECTRI This table includes ne that provide power to 01  Electrical Service	MARKS marks n CAL Mi ew or re comm Designation	nade by the	t electrical see eas must mee 02 Rating (kVA)	ervice syset the fol	stems OR equilowing meter  Required neous Hilliam De	ipment to ring requi Metering storical Pe emand (k	Jurisdic o demon rements 03 Capabi eak W)	strate compliance s. Submetered syst lities per Table 130 Tracking kWh for user-defined period	with 130.5(a) / 1 ems providing po  5-A  kWh per rate period	60.6(a). i	04 on of Requirements in	05 Field Ins	5 spector Fa
F. SERVICE ELECTRI This table includes ne that provide power to 01  Electrical Service Descrip	MARKS marks n CAL Mi ew or re comm Designation	nade by the	t electrical see eas must mee 02 Rating (kVA)	ervice syset the fol	stems OR equilowing meter  Required neous Hilliam De	ipment to ring requi Metering storical Pe emand (k	Jurisdic o demon rements 03 Capabil eak W)	strate compliance s. Submetered syst lities per Table 130 Tracking kWh for user-defined period	with 130.5(a) / 1 ems providing po  5-A  kWh per rate period	60.6(a). i	on of Requirements in truction Documents  E4.1 and E4.3	09 Field Ins Pass	5 spector Fa

state of california Electrical Power Distributio	1		CALIFO	RNIA ENERGY	COMMISSION
CERTIFICATE OF COMPLIANCE		0			NRCC-ELC-E
Project Name: San bernardino County Fir	e Department: Fire Station 227	Report Pag			(Page 3 of 5)
		Date Prepa	iou.		3/7/2025
G. SEPARATION OF ELECTRICAL CIRCUITS	FOR ENERGY MONITORING				
등의 성장 사람들이 교육하는 것을 잃었다. 동안 보통하는 역사 사람들이 가장하다 때 요즘 등을 걸게 들어가게 되어 수있다. 그 전혀 살이 말았다. 회장을 하는데 생각하다 때문에 되었다.	ultifamily occupancies, submetered	systems that provide po	strate compliance with 130.5(b)/ 160.6(b). Any ower to dwelling units do not need to meet the	[일] [일 [일 [일 [일 ] ] ] [기 [일 [일 ] [일 [] ] [기 [] [기 [] [] [] [기 [] [] [] [] [] [] [] [] [] [] [] [] []	
01	02	03	04	0:	5
Load Type per Table 130.5-B <sup>1</sup>	Minimum Required Separation of	Compliance Method <sup>2</sup>	Location of Requirements in Construction	Field In:	spector
. 1967 - 1968 -	Load per Table 130.5-B	compliance wethou	Documents	Pass	Fail
1SA					
Lighting including exit, egress and exterior	All lighting in aggregate	Method 4: Complete metering system measures and reports loads by type	E2.1, E4.2, E1.1		
Charging stations for electrical vehicle	All loads in aggregate	Method 4: Complete metering system measures and reports loads by type	E1.1, E4.3		
Loads associated with renewable power sources	All loads in aggregate	Method 4: Complete metering system measures and reports loads by type	E4.1, E4,2 E2.4		
* NOTES: If "Other*" is selected under Compli	ance Method above, please indicat	e how compliance has b	een achieved in the space provided below.		
FOOTNOTES: For each separate load type, up to 1 Method 1: Switchboards/ motor control centers/ Method 2: Switchboards/ motor control centers/ p	panelboard loads disaggregated for ea anelboard supply other distribution equ ally and provisions for adding future br d reports loads by type.	ch load type. iipment with loads disaggr anch circuit monitoring.	egated for each load type.		
Method 4: Complete metering system measures ar See Chapter 8 of the Nonresidential Compliance M H. VOLTAGE DROP	*	ution sustance or altered	ions that add madify as souland both food	and beansh size it	to to
Method 4: Complete metering system measures ar See Chapter 8 of the Nonresidential Compliance M H. VOLTAGE DROP This table includes entirely new or complete r	eplacement electrical power distrib		ions that add, modify or replace both feeders of attending the compliance per 141.0(b)2Piii/ 180.2(b)4Bvi		ts to

Report Version: 2022.0.000

Schema Version: rev 20220101

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

STATE OF CALIFORNIA **Outdoor Lighting** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTO-E Project Name: San bernardino County Fire Department: Fire Station 227 (Page 3 of 7) F. OUTDOOR LIGHTING FIXTURE SCHEDULE For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here. Designed Wattage: Field 6,200 initial Excluded per How is Inspector Watts per otal Number Luminaire Name or Item Complete Luminaire Description Wattage 140.7(a) / Design Watts | lumen output | luminaire1, 2 Luminaires <sup>2</sup> Status<sup>3</sup> 130.2(b)/ determined 170.2(e)6A 160.5(c)14 54w LED Wall Mounted Area Linear NA: < 6200 54 Mfr. Spec 216 lumens NA: < 6200 312 104 Mfr. Spec F11 104W POLE ☐ Linear lumens 23w LED Wall Mounted NA: < 6200 F12 ☐ Linear Mfr. Spec 368 SCONCE Light 38w LED Chain Hung Vapor NA: < 6200 ☐ Linear Mfr. Spec 152 lumens **Tight Light** Total Design Watts: 1048 \* NOTES: Selections with a \* require a note in the space below explaining how compliance is achieved. EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b) <sup>1</sup>FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b) <sup>2</sup> For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires. <sup>3</sup> Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of <sup>4</sup> Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

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	Standards - 2022 Nonresidential Compliance		n: 2022.0.000 on: rev 20220101	Compliance ID: EnergyPro-5511-0325-5610 Report Generated: 2025-03-07 10:35:49
STATE OF CALIFORNIA				
Outdoor Lighting				CALIFORNIA ENERGY COMMISSIO
CERTIFICATE OF COMPLIANCE			200 Barre 2009	NRCC-LTO
Project Name: San bernard	lino County Fire Department: Fire Station 22		ort Page: Prepared:	(Page 4 of 3/7/20
G. SHIELDING REQUIREM				
This section does not apply t	to this project.			
H. OUTDOOR LIGHTING (	CONTROLS			
multifamily buildings and co	idential buildings, parking garages and controlled from the inside of a dwelling un presidential Occupancies, Parking Gara	nit		parately from outdoor lighting attached to
	02		04	
01				05
01 Area Description	Shut-Off	03 Auto-Schedule	Motion Sensor	05 Field Inspector
Area Description  FOOTNOTE: Text has been abbi	Shut-Off 130.2(c)1 / 160.5(c) reviated, please refer to Table 160.5-A to con	Auto-Schedule 130.2(c)2 / 160.5(c) of firm compliance with the specific	Motion Sensor 130.2(c)3 / 160.5(c) c light source technologies listed.	
Area Description  FOOTNOTE: Text has been abbounced in the second in the	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c) of firm compliance with the specifient to confirm compliance of light s	Motion Sensor 130.2(c)3 / 160.5(c) c light source technologies listed. ource.	Field Inspector

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.  Project Name: San bernardino County Fire Department: Fire Station 227 Report Page: (Page Project Address: 180 W. 38th Street)  A. GENERAL INFORMATION  O1 Project Location (city) San Bernardino O2 Climate Zone 10 O4 Total Illuminated Hardscape Area (ft²) 27000  O3 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):  U2-0: Very Low - Undeveloped Parkland U2-2: Moderate - Urban Clusters U2-4: High - Must be reviewed by CA Energy Commission for Approval U2-1: Low - Rural Areas U2-3: Moderately High - Urban Areas  O5 Occupancy Types within Project  • All Other Occupancies							C		GY COMMISSIO
nonresidential and hotel/matel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.  Project Name: San bernardino County Fire Department: Fire Station 227 Report Page: (Pa Project Address: 180 W. 38th Street									NRCC-LTC
A. GENERAL INFORMATION  11 Project Location (city) San Bernardino 12 Climate Zone 10 13 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ): 14	nonresidential and hotel/motel occupancies	s. It is also used to	o document compliance with re	equiren	nents in 160.5, 170.2(e)6, 180.1	(20)	N 25 100	1 7.1	(5)
A. GENERAL INFORMATION  10   Project Location (city)   San Bernardino   D4   Total Illuminated Hardscape Area (ft²)   27000	Project Name: San bernardino County Fire D	epartment: Fire St	ation 227	Repo	t Page:				(Page 1 of
01   Project Location (city)   San Bernardino   O4   Total Illuminated Hardscape Area (ft²)   27000   02   Climate Zone   10   Total Illuminated Hardscape Area (ft²)   27000   03   Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):	roject Address:		180 W. 38th Stree	Date	Prepared:				3/7/20
01   Project Location (city)   San Bernardino   O4   Total Illuminated Hardscape Area (ft²)   27000   02   Climate Zone   10   Total Illuminated Hardscape Area (ft²)   27000   03   Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):									
02   Climate Zone   10   Total Illuminated Hardscape Area (ft²)   27000   270	A. GENERAL INFORMATION	-							
02 Climate Zone 10	01 Project Location (city)	San Bernardin	0						
□ LZ-0: Very Low - Undeveloped Parkland □ LZ-2: Moderate - Urban Clusters □ LZ-4: High - Must be reviewed by CA Energy Commission for Approval □ LZ-1: Low - Rural Areas □ LZ-3: Moderately High - Urban Areas  05 Occupancy Types within Project  • All Other Occupancies   B. PROJECT SCOPE  This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.  My Project Consists of:  01 02  New Lighting System		10		04	Total Illuminated Hardscape Ar	ea (ft²)	27000		
□ LZ-0: Very Low - Undeveloped Parkland □ LZ-2: Moderate - Urban Clusters □ LZ-4: High - Must be reviewed by CA Energy Commission for Approval □ LZ-1: Low - Rural Areas □ LZ-3: Moderately High - Urban Areas  05 Occupancy Types within Project  • All Other Occupancies   B. PROJECT SCOPE  This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.  My Project Consists of:  01 02  New Lighting System	03 Outdoor Lighting Zone per Title 24 Par	t 1 10.114 or as	designated by Authority Having	Jurisd	iction (AHJ):				
□ IZ-1: Low - Rural Areas □ IZ-3: Moderately High - Urban Areas  05 Occupancy Types within Project  • All Other Occupancies  B. PROJECT SCOPE  This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for afterations.  My Project Consists of:  □ 01 02  □ New Lighting System						y CA Ene	ergy Commissio	on for Approval	
■ All Other Occupancies  B. PROJECT SCOPE  This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.  My Project Consists of:	LZ-1: Low - Rural Areas	☐ LZ-3; Mc	derately High - Urban Areas	-	man manada (1949) - respectación sea feter (1945) ((m274)) fo T	A. R. Town Colombia (CO)	onnexist use establishment film		
■ All Other Occupancies  B. PROJECT SCOPE  This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.  My Project Consists of:	05 Occupancy Types within Project	N N	or annum a communication among the Control Manda III a tracked Mada						
New Lighting System  Must Comply with Allowances from 140.7 / 170.2(e)6  Is your alteration increasing the connected lighting load (Watts)?  O3  O4  Sum Total of Luminaires Being Added or Altered  Calculation Method	My Project Consists of:	terations							
Altered Lighting System  O3  O4  Sum Total of Luminaires Being Added or Altered  Calculation Method			AA C		S.G.(			- 11	
03 04 05 % of Existing Luminaires Being Altered 1 Sum Total of Luminaires Being Added or Altered Calculation Method	Page Statement of the page 18 and 18		A RELIABATION OF THE PROPERTY	COCHECULAR	co-dimensión de la company		Ves		NEC
% of Existing Luminaires Being Altered <sup>1</sup> Sum Total of Luminaires Being Added or Altered Calculation Method	Test Statement and Control of Maria Control		is your alteration increasing t	25.575-1547-2511	nected lighting load (Watts)?	0	Yes		No
			Com Tatal of Location	0.00000	to a Added on Albertal		Calaul	WW.	
□ <10% □ >= 10% and <50% □ >= 50%		75 27 FE 200	Sum lotal of Lumina	iires Be	ing Added or Altered		Calcul	ation ivietnod	
	☐ < 10% ☐ >= 10% and < 50%	White the section							
Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.	particular experience of the process of the particular particular and the particular par								
<sup>1</sup> FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.					, , , , , , , , , , , , , , , , , , ,		a in the second	2 2 W	



PROJECT ADMINISTERED BY:
SAN BERNARDINO COUNTY
PROJECT & FACILITIES
MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PDO IECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202 CIP #22-105

APN Part of 0154-281-01

I80 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFO	RMATION:
DATE:	INFORMATION:
9-11-24	D.D.s
10-26-24	PROGRESS
12-20-24	95% CDs
03-14-25	Plan Check 🛆
05-09-25	Plan Check 🛆
07-25-25	BID SET
08-25-25	BID SET

SHEET INFORMATION:

STK PROJECT NO.: 37

STK PROJECT NO.: 374-193-24
SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE: —

DRAWING NAME:

SFAI :



SHEET TITLE:

TITLE 24 EXTERIOR

SHEET NO.:

Compliance ID:

EnergyPro-5511-0325-5616 Report Generated: 2025-03-07 10:35:44 F0.3





CERTIFICATE OF COMPLIANCE							NRCC-LTO
Project Name: San bernardino County Fire Departr	nent: Fire Station 227		Report Page:				(Page 5 of
			Date Prepared:				3/7/20:
I. LIGHTING POWER ALLOWANCE (per 140.7	/ 170 2(e))						
This table includes areas using allowance calculat		) General			01		
Hardscape Allowance is per Table 140.7-A/Table 1	2007 (T 2007 (T 2004) T 1 (T 2007 (T 2007 ) T 2007 ) T 2007 (T 2007 ) T 2007 (T 2007 ) T 2007 (T 2007 ) T 2007		ſ	"Use it or lose i		all that apply) (selec	t all that apply)
Allowances are per Table 140.7-B /Table 170.2-S.			☑ General	030 10 01 1030 1	I III	an triat apprij (seret	
used to expand sections for user input. Luminaire: lose it" allowances shall not qualify for another "l	51 - 15/507 - 10 50		Hardscape	☐ Per		По	□ Per Specifi
Outdoor lighting attached to multifamily building		3-575	Allowance	Application	☐ Sales Frontage Table K	☐ Ornamental Table L	Area
dwelling unit are included in Table H. and are not			Table I (below)	Table J	lable K	Table L	Table M
outdoor lighting is included here.	220 N V 2000	<u> </u>					
Calculated General Hardscape Lighting Power Allo				r	т	T	
02	03	04	05	06	07	08	09
Area Description		Vattage Allowance	7		ar Wattage Allowan		Total Genera
Area Description	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Leng (If)	th Allowed Density (W/If)	(Watts)	AWA + LWA (Watts)
Automotive Hardscape	27000	0.024	648	300	0.3	87	735
				Initial Wat	tage Allowance for	Entire Site (Watts):	
				Instances of	Initial Wattage All	owance (LZ 0 only)1	
				Total	General Hardscape	Allowance (Watts):	735
J. LIGHTING ALLOWANCE: PER APPLICATION							
This section does not apply to this project.	1						
K. LIGHTING ALLOWANCE: SALES FRONTAGE							
This section does not apply to this project.							
This section does not apply to this project.							
L. LIGHTING ALLOWANCE: ORNAMENTAL							
This section does not apply to this project.							
		Genera	ited Date/Time:			Documentation So	oftware: EnergyP
CA Building Energy Efficiency Standards - 2022 Nonres	sidential Compliance	Report	Version: 2022.0.000		C	ompliance ID: EnergyPr	o-5511-0325-56
		10010 <b>1</b> 00100	Version: rev 202201	101		Report Generated: 20	

CERTIFICATE OF COMPLIANCE									NRCC-LTO
Project Name: San bernardino Co	ounty Fire Department: Fire Station 227		Report P	age:					(Page 6 of
			Date Pre	pared:					3/7/20
M. LIGHTING ALLOWANCE: PE	ER SPECIFIC AREA						ii.		
	e wattage allowance per specific area f ecific area allowances may not be taken				an one specific	area allowan	ice may be tak	en in a single p	roject, if
01	02	03	04	05	06	07	08	09	10
		CALCULATE	D ALLOWAN	ICE (Watts)		DESIGN	DESIGN WATTS		
Area Description	Specific Area Type per Table 140.7-B	Specific Area (ft²)¹	Allowed Density (W/ft²)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowand (Watts)
Building Facade	BuildingFacade	9900	0.2	2227.5	F12	23	16	368	368
					Tota	Design Watts	for this Area:	368	
						Total A	llowance (Wa	tts) All Areas:	368
<sup>2</sup> For luminaires indicated in Table F as	ole 170.2-S for rules for calculating the speci is linear, wattage in column 07 is W/lf instea WER ALLOWANCE (alterations only)	d of Watts/lumino		시 마이 맛있으면 하고 있는데 하나 있는데 있다.		olumn 08 instead	d of number of l	luminaires.	
<sup>2</sup> For luminaires indicated in Table F as	s linear, wattage in column 07 is W/lf instea WER ALLOWANCE (alterations only)	d of Watts/lumino		시 마이 맛있으면 하고 있는데 하나 있는데 있다.		olumn 08 instead	d of number of I	luminaires.	
N. EXISTING CONDITIONS POUThis section does not apply to this	s linear, wattage in column 07 is W/lf instead WER ALLOWANCE (alterations only) s project.	d of Watts/lumino		시 마이 맛있으면 하고 있는데 하나 있는데 있다.		olumn 08 instead	d of number of I	luminaires.	
N. EXISTING CONDITIONS POUThis section does not apply to this  O. DECLARATION OF REQUIRE Selections have been made based	WER ALLOWANCE (alterations only) s project.  CD CERTIFICATES OF INSTALLATION on information provided in this docum	d of Watts/lumino	nire. Total line	ar feet should be	e indicated in co				ble E.
N. EXISTING CONDITIONS POUThis section does not apply to this  O. DECLARATION OF REQUIRE Selections have been made based	WER ALLOWANCE (alterations only) s project.  CONTROL  CON	ent. If any selec	tion has beer construction	ar feet should be	e indicated in co				ble E.
Por luminaires indicated in Table F as N. EXISTING CONDITIONS POUThis section does not apply to this O. DECLARATION OF REQUIRE Selections have been made based	WER ALLOWANCE (alterations only) s project.  CD CERTIFICATES OF INSTALLATION on information provided in this docum	ent. If any selec	nire. Total line	ar feet should be	e indicated in co				ble E.
Por luminaires indicated in Table F as N. EXISTING CONDITIONS POUThis section does not apply to this O. DECLARATION OF REQUIRE Selections have been made based	WER ALLOWANCE (alterations only) s project.  D CERTIFICATES OF INSTALLATION d on information provided in this documents must be provided to the building in	ent. If any selec	tion has beer construction	ar feet should be	e indicated in co				ble E.
N. EXISTING CONDITIONS POUThis section does not apply to this  O. DECLARATION OF REQUIRE Selections have been made based Additional Remarks. These docum	WER ALLOWANCE (alterations only) s project.  D CERTIFICATES OF INSTALLATION d on information provided in this documents must be provided to the building in	ent. If any selec	tion has beer construction	ar feet should be	e indicated in co				ble E.
N. EXISTING CONDITIONS POUThis section does not apply to this  O. DECLARATION OF REQUIRE Selections have been made based Additional Remarks. These docum	WER ALLOWANCE (alterations only) s project.  D CERTIFICATES OF INSTALLATION d on information provided in this documents must be provided to the building in	ent. If any selec	tion has beer construction	ar feet should be	e indicated in co				ble E.
N. EXISTING CONDITIONS POUThis section does not apply to this  O. DECLARATION OF REQUIRE Selections have been made based Additional Remarks. These docum	WER ALLOWANCE (alterations only) is project.  ED CERTIFICATES OF INSTALLATION on information provided in this documents must be provided to the building if for all buildings	ent. If any selec	tion has beer construction	ar feet should be	e indicated in co				ble E.
N. EXISTING CONDITIONS POUThis section does not apply to this  O. DECLARATION OF REQUIRE Selections have been made based Additional Remarks. These docum  NRCI-LTO-E - Must be submitted for the section of the section	WER ALLOWANCE (alterations only) is project.  ED CERTIFICATES OF INSTALLATION on information provided in this documents must be provided to the building if for all buildings	ent. If any selec	tion has beer construction	ar feet should be	e indicated in co				ble E.
N. EXISTING CONDITIONS POUThis section does not apply to this  O. DECLARATION OF REQUIRE Selections have been made based Additional Remarks. These docum  NRCI-LTO-E - Must be submitted for the second secon	WER ALLOWANCE (alterations only) is project.  ED CERTIFICATES OF INSTALLATION on information provided in this documents must be provided to the building if for all buildings	ent. If any selec nspector during	tion has beer construction	ar feet should be	e indicated in co		tion should be		

Outdoor Lighting		CALIFORNIA ENERGY COMMISSI
CERTIFICATE OF COMPLIANCE	<u> </u>	NRCC-LTC
Project Name: San bernardino County Fire Department: Fire Station 227	Report Page:	(Page 7 o
Project Address: 1	.80 W. 38th Street Date Prepared:	3/7/20
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		
I certify that this Certificate of Compliance documentation is accura	te and complete.	1 1 - 5
Documentation Author Name:	Documentation Author Signature:	wardo G Den
Company: Salas O'Brien Engineers	Signature Date:	no suestas estre
Address:	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Phone:	
The building design features or system design features identified on this Certificate		ompliance documents, worksheets, calculations,
plans and specifications submitted to the enforcement agency for approval with thi  5. I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Compliance Seponsible Designer Name:	is building permit application. e made available with the building permit(s) issued for the building, and made avail iance is required to be included with the documentation the builder provides to the	lable to the enforcement agency for all applicable
plans and specifications submitted to the enforcement agency for approval with thi  5. I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Compliance Seponsible Designer Name:  Ed David  Company:	is building permit application. e made available with the building permit(s) issued for the building, and made avail iance is required to be included with the documentation the builder provides to the	lable to the enforcement agency for all applicable e building owner at occupancy.
plans and specifications submitted to the enforcement agency for approval with thi  5. I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Compliance of Company:  Salas Obrien  Address:	is building permit application.  made available with the building permit(s) issued for the building, and made availance is required to be included with the documentation the builder provides to the Responsible Designer Signature:  Date Signed:	lable to the enforcement agency for all applicable e building owner at occupancy.
plans and specifications submitted to the enforcement agency for approval with the 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be	is building permit application.  made available with the building permit(s) issued for the building, and made available with the building permit(s) issued for the building, and made available is required to be included with the documentation the builder provides to the Responsible Designer Signature:  Date Signed: 2025-03-07  License:	lable to the enforcement agency for all applicable e building owner at occupancy.
plans and specifications submitted to the enforcement agency for approval with thi  5. I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Compliance Stall David  Responsible Designer Name:  Ed David  Company:  Salas Obrien  Address:  3220 Executive Ridge, Sutie 210  City/State/Zip:	is building permit application. Is made available with the building permit(s) issued for the building, and made available with the building permit(s) issued for the building, and made available is required to be included with the documentation the builder provides to the Responsible Designer Signature:  Date Signed: 2025-03-07  License: E18809  Phone: (760) 560-0100	lable to the enforcement agency for all applicable e building owner at occupancy.
plans and specifications submitted to the enforcement agency for approval with thi  5. I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Compliance States of Compliance	is building permit application. Is made available with the building permit(s) issued for the building, and made available with the building permit(s) issued for the building, and made available is required to be included with the documentation the builder provides to the Responsible Designer Signature:  Date Signed: 2025-03-07  License: E18809  Phone:	lable to the enforcement agency for all applicable e building owner at occupancy.



42095 ZEVO DR., TEMECULA, CALIFORNIA 92590-Phone: 951.296.9110 Fax: 951.296.6079 Email: stk@stk

Salas
OBrien
3220 Executive Ridge, Suite 210
Vista, CA 92081
760.560.0100

08-22-25 #2024-03417
www.salasobrien.com

PROJECT ADMINISTERED BY:
SAN BERNARDINO COUNTY
PROJECT & FACILITIES
MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT:

PROJECT # 10.10.1202

FIRE STATION 227

CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFOR	RMATION:
DATE:	INFORMATION:
9-11-24	D.D.s
10-26-24	PROGRESS
12-20-24	95% CDs
03-14-25	Plan Check 🛆
05-09-25	Plan Check 🛆
07-25-25	BID SET
08-25-25	BID SET

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24
SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE: —

SEAL:



SHEET TITLE

TITLE 24 EXTERIOR

SHEET NO

E0.4

Sign Lighting		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: San bernardino County Fire Department: Fire Station 227	Report Page:	(Page 4 of 5)
	Date Prepared:	3/7/2025
I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION		
Selections have been made based on information provided in this document. Ij Additional Remarks. These documents must be provided to the building inspec		cant, an explanation should be included in Table E.
	Form/Title	
NRCI-LTS-E - Must be submitted for all buildings		
J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE		
There are no forms required for this project.		,
		10 11
	Generated Date/Time:	Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-5511-0325-5616 Report Generated: 2025-03-07 10:35:41

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: San bernardino County Fire Department: Fire Station 227	Report Page:	(Page 5 of 5
Project Address: 1	30 W. 38th Street Date Prepared:	3/7/2025
OCUMENTATION AUTHOR'S DECLARATION STATEMENT certify that this Certificate of Compliance documentation is accurat	e and complete	
Occumentation Author Name:	Documentation Author Signature:	Thursdo G Den
Company: Salas O'Brien Engineers	Signature Date: 2025-03-07	
Address:	CEA/ HERS Certification Identification (if applicab	ole):
City/State/Zip:	Phone:	
<ol> <li>The building design features or system design features identified on this Certificate plans and specifications submitted to the enforcement agency for approval with this.</li> <li>I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Compliance Sesponsible Designer Name:</li> </ol>	s building permit application.  made available with the building permit(s) issued for the building, an ance is required to be included with the documentation the builder p	nd made available to the enforcement agency for all applicable provides to the building owner at occupancy.
Ed David		Eduardo G Den
ompany: alas Obrien	Date Signed: 2025-03-07	
address: B220 Executive Ridge, Sutie 210	License: E18809	
City/State/Zip: /ista CA 92081	Phone: (760) 560-0100	
	Generated Date/Time:	Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: EnergyPro-5511-0325-5616 Report Generated: 2025-03-07 10:35:41

CERTI	FICATE OF COMPLIANCE						NRCC-LT
		7.0			없는		1.0(b)2M/ 180.2(b)4Bvi for sign lighting
	s using the prescriptive ompliance document.	patn. Exit signs ai	na trajjić signs	are not required	to comply with prescriptive requiren	nents per exceptions to 140	0.8/ 170.2(e) and do not need to complete
112000000000000000000000000000000000000		no County Fire Depa	artment: Fire Sta	ition 227	Report Page:		(Page 1 o
Projec	t Address:			180	W. 38th Street Date Prepared:		3/7/2
A. GE	NERAL INFORMATIO	N					
01	Project Location (city	)	San Bernar	dino			
02	Climate Zone		10				
0.2	Ossunansy Types with	hin Drainet	☐ Hea	althcare Facility			
03	Occupancy Types wit	iiii Project	☐ Mu	ltifamily/ MF Mix	ed-use >= 4 stories (includes dormit	ory, senior living)	
	eta.						
B. PR	OJECT SCOPE						
		ed sinns that are w	uithin the score	of the permit or	polication and are demonstrating cor	mnliance using the prescrip	tive path outlined in 140.8/ 170.2(e) or
		[이번 ] [100] [70] [10] [10] [10] [10] [10] [10] [10] [1			[구입다] [	H (	s to 140.8/170.2(e) and do not need to
	lete this compliance do						
	01		02		03	04	05
Nam	e or Item Tag	Complete	e Sign Descript	tion	Sign Status <sup>1</sup>	Sign Type	Compliance Method <sup>2</sup>
FOOT	F28  NOTE: Sign alterations tha	at increase the conne	Signage	92 22 40	New	Outdoor	Max Allowed Lighting Power
FOOT 141.0(i	F28  NOTE: Sign alterations the b)2M/ 180.2(b)4Bvi for mover the property of t	at increase the conne ore details. mpliance method is o	Signage  ected lighting loo only applicable ij	ad, replace and rev f the sign has a per	New vire more that 50% of the ballasts, or rela	Outdoor  ocate the sign to a different lo  FIED label certified by UL or co	Max Allowed Lighting Power  cation must comply with 140.8/170.2(e). See  mparable, confirming the sign complies with
FOOT 141.0(i	F28  NOTE: Sign alterations the b)2M/ 180.2(b)4Bvi for mover the property of t	at increase the conne ore details. mpliance method is o	Signage  ected lighting loo only applicable ij	ad, replace and rev f the sign has a per	New vire more that 50% of the ballasts, or rela	Outdoor  ocate the sign to a different lo  FIED label certified by UL or co	Max Allowed Lighting Power cation must comply with 140.8/170.2(e). See mparable, confirming the sign complies with

CERTIFICATE OF	COMPLIANCE								NRCC-
Project Name:	San bernardino County Fire Departn	nent: Fire Station 227		Report	Page:				(Page 2
				Date P	epared:				3/7/
C. COMPLIAN	CE RESULTS								
	able are automatically calculated f ptional Conditions for guidance or	나는 아내는 아내는 아이는 마음에게 되면 사용하게 되었다. 선생님들은 원리의 아내는 아내가 되었다.		and an effective and the contract of the contr	gh H. No	ote: If any cell on this	table	says "COMPLIES with Ex	ceptional Conditions"
01	02	03		04		05		06	07
Name or Item Tag (See Table B)	Complete Sign Description (See Table B)	Total Allowed (Watts) (See Table F)	2	Total Designed (Watts) (See Table F)	OR	Compliant Light Sources (See Table G)	OR	ENERGY VERIFIED Label (See Table H)	Compliance Result
F28	Signage	0	2	222	OR		OR		DOES NOT COMPL
	***	1541			C	ontrols Compliance (	See Ta	ble F/G/H for Details)	COMPLIES
This table is aut	CONTRACTOR INCOMES AND A CONTRACTOR				bles thr	oughout the form.			
This table is aut	o-filled with uneditable comments				bles thr	oughout the form.			
This table is aut	o-filled with uneditable comments				bles thr	oughout the form.			

ERTIFICATE OF CO										1	NRCC-LTS-E
Project Name: S	an bernardino County Fire	e Department: Fire	Station 227			port Page:				(P	age 3 of 5)
					Da	te Prepared:					3/7/2025
. MAXIMUM AI	LOWED LIGHTING P	OWER AND CO	NTROLS								in the second
	illuminated signs using apliance with mandator			"나이다" 그리 하는데 이 나이에 어떻게 하실하			0.8(a) / 170.2(e) as indico I types for each sign.	nted on Table B o	f this complianc	e docume	nt. It also
01	02	03	04	05	06	07		08		0	9
Name or Item	Complete Sign	Illumination	Sign Area	Allowed	Allowance	Design	Mand	atory Controls		Field In	spector
Tag	Description	Method	(ft²)	Density (W/ft <sup>2</sup> )	(Watts)	Watts	Shut-Off	Dimming	Demand Response <sup>1</sup>	Pass	Fail
F28	Signage	Externally	О	2.3	0	222	Automatic Time Switch + Photocontrol (outdoor)				
		10	1	1	12		13	14			
		Luminaire Name or Item Tag		Luminaire iption	Watts per Iuminaire	I How is Wattage determined		Total Number of Luminaires			
		F28	LED Wall Light SI	Mounted GNAGE	74		Mfr. Spec	3			
NOTES S . I	with a * require a note	in the space belo	ow explaining	how compl	iance is achi	eved. EX: Sig	n within tunnel illuminate	d day and night;	EXCEPTION to	130.3(a)2A	1.
NOTES: Controls	d response controls are o	nly required for an	Electronic Me:	ssage Center l	naving a new	connected ligh	nting power load greater tha	n 15 kW per 110.1	2(d)		
											- 1
FOOTNOTE: Deman											
FOOTNOTE: Deman	ES AND CONTROLS	,									1
FOOTNOTE: Deman		,									
FOOTNOTE: Deman	ES AND CONTROLS not apply to this project		c								
FOOTNOTE: Deman	ES AND CONTROLS	AND CONTROL	S								
FOOTNOTE: Deman	ES AND CONTROLS not apply to this project										



CONSULTANT:

Vista, CA 92081
760.560.0100

08-22-25 #2024-03417

JO JO/ZO PP MP

08-23-25 #2024-03417

PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202

CIP #22-105 APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFOR	RMATION:
DATE:	INFORMATION:
9-II-24	D.D.s
10-26-24	PROGRESS
12-20-24	95% CDs
03-14-25	Plan Check 🛆
05-09-25	Plan Check 🖄
07-25-25	BID SET
08-25-25	BID SET

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24 AS NOTED DATE: DECEMBER 2024 PLOT DATE: DRAWING NAME:



TITLE 24 EXTERIOR

CERTIFICATE O	FCOMPLIANCE						NRCC-SAB-
Project Name:	San bernardino County Fire	e Department: Fire Stat	tion 227	Report Page:			(Page 4 of 5
	- 12	133		Date Prepared:			3/7/2029
This table docum trades-off PV in a	IC (PV) AND BATTERY SYS ents compliance with prescri n energy model using perfor et the minimum requirement	ptive photovoltaic and mance path, 140.10/1	[[[[[] [[] [[] [[] [] [] [] [] [] [] []		[20] [10] [10] [10] [10] [10] [10] [10] [1	HT (100명) 이 100명 (100명) 100명 (100명) 100명 (100명)	
Photovoltaic (PV	ententalitzak entente etak ilandariak etak errakitzak etak ilandariak etak. Er	is in Joint Appendix 11.	<u> </u>				
01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof <sup>1</sup> (ft <sup>2</sup> )	Roof Area < 70% Solar Access <sup>2</sup> (ft <sup>2</sup> )	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area <sup>3</sup> (ft <sup>2</sup> )	Solar Access Roof Area (SARA) (ft <sup>2</sup> )	Min Size of PV Systen Required (kWdc)
Auditorium	0	0	0		0	0	0
	0000	<u>"</u>	30	Total Min S	ize PV System Required	for all Spaces (kWdc):	0
other newly cons	ludes the area of the building tructed structures on the site at be determined using CEC a	that are compatible w	ith supporting a PV syste	N 70	area of all roof space on	tem in Design (kWdc): covered parking areas	
other newly cons  Solar access mush  https://www.ene  As specified by C  K. DECLARATIO  Selections have b  Additional Remai	0.50	that are compatible w pproved solar access co pics/programs/building ATES OF INSTALLATIO	ith supporting a PV system alculation tools found at g-energy-efficiency-stand DN cument. If any selections	em per Title 24, Part 2 s dards/solar-assessmen dards/solar-assessmen dards/solar-assessmen dards/solar-assessmen dards/solar-assessmen dards/solar-assessmen	area of all roof space on Section 1511.2. t-tools. y the permit applicant, a	covered parking areas	e included Table E.
other newly cons  Solar access mush  https://www.ene  As specified by C  K. DECLARATIO  Selections have b  Additional Remai	tructed structures on the site of the determined using CEC a rgy.ca.gov/programs-and-to BC Section 503.1.4.  N OF REQUIRED CERTIFIC een made based on informat	that are compatible w pproved solar access co pics/programs/building ATES OF INSTALLATIO	ith supporting a PV system alculation tools found at g-energy-efficiency-stand DN cument. If any selections	em per Title 24, Part 2 s dards/solar-assessmen dards/solar-assessmen dards/solar-assessmen have been changed by These documents mus	area of all roof space on Section 1511.2. t-tools. y the permit applicant, a	covered parking areas	e included Table E.
other newly cons <sup>2</sup> Solar access mush  https://www.ene <sup>3</sup> As specified by C  K. DECLARATIO  Selections have b  Additional Remains  be found online	tructed structures on the site of the determined using CEC a rgy.ca.gov/programs-and-to BC Section 503.1.4.  N OF REQUIRED CERTIFIC een made based on informat	that are compatible w pproved solar access co pics/programs/building ATES OF INSTALLATIO tion provided in this do MessageCCSABE += Us	ith supporting a PV system in a PV s	em per Title 24, Part 2 s dards/solar-assessmen dards/solar-assessmen have been changed by These documents mus	area of all roof space on Section 1511.2. t-tools. y the permit applicant, a st be provided to the buil	covered parking areas	e included Table E.
other newly cons  Solar access must https://www.ene  As specified by C  K. DECLARATIO  Selections have be Additional Remail be found online	tructed structures on the site of the determined using CEC a rgy.ca.gov/programs-and-to of the Section 503.1.4.  N OF REQUIRED CERTIFICATION of the Section and Exceptional Condition of the Section 1 of the Section 1 of the Section 2 of the Section 2 of the Section 3 of the Sect	that are compatible w pproved solar access co pics/programs/building ATES OF INSTALLATIO tion provided in this do MessageCCSABE += Us	ith supporting a PV system in a PV s	em per Title 24, Part 2 s dards/solar-assessmen dards/solar-assessmen have been changed by These documents mus	area of all roof space on Section 1511.2. t-tools. y the permit applicant, a st be provided to the buil	covered parking areas	e included Table E.
other newly cons Solar access must https://www.ene As specified by C  K. DECLARATIO Selections have b Additional Remail be found online	tructed structures on the site of the determined using CEC a rgy.ca.gov/programs-and-to of the Section 503.1.4.  N OF REQUIRED CERTIFICATION of the Section and Exceptional Condition of the Section 1 of the Section 1 of the Section 2 of the Section 2 of the Section 3 of the Sect	that are compatible was proved solar access compices pics programs building states of installation provided in this downward of the sage CCSABE += Usual ildings that must complete the sage complete in the sage complete picture in the sage complete	ith supporting a PV system alculation tools found at a penergy-efficiency-stand on the penergy	em per Title 24, Part 2 s dards/solar-assessmen dards/solar-assessmen have been changed by These documents mus	area of all roof space on Section 1511.2. t-tools. y the permit applicant, a st be provided to the buil	covered parking areas	e included Table E.
other newly cons  Solar access must https://www.ene  As specified by C  K. DECLARATIO  Selections have be Additional Remail be found online  NRCI-SAB-01-E - I	tructed structures on the site of the determined using CEC a rgy.ca.gov/programs-and-to BC Section 503.1.4.  N OF REQUIRED CERTIFICATE and Exceptional Condition  Must be submitted for all builting the submitted for al	that are compatible was proved solar access compices pics programs building states of installation provided in this downward of the sage CCSABE += Usual ildings that must complete the sage complete in the sage complete picture in the sage complete	ith supporting a PV system alculation tools found at a penergy-efficiency-stand on the penergy	em per Title 24, Part 2 s dards/solar-assessmen dards/solar-assessmen have been changed by These documents mus	area of all roof space on Section 1511.2. t-tools. y the permit applicant, a st be provided to the buil	covered parking areas	e included Table E.
other newly cons  2 Solar access must https://www.ene  3 As specified by C  K. DECLARATIO  Selections have be Additional Remail be found online  NRCI-SAB-01-E - I	tructed structures on the site of the determined using CEC at the determined to the determined the deter	that are compatible was proved solar access compices pics programs building states of installation provided in this downward of the sage CCSABE += Usual ildings that must complete the sage complete in the sage complete picture in the sage complete	ith supporting a PV system alculation tools found at a penergy-efficiency-stand and a penergy-efficiency-stand at a penergy-ef	em per Title 24, Part 2 s dards/solar-assessmen dards/solar-assessmen have been changed by These documents mus	area of all roof space on Section 1511.2. t-tools. y the permit applicant, a st be provided to the buil	covered parking areas	e included Table E.

CERTIFICATE OF COMPLIANCE			NRCC-SAB-
Project Name: San bernardino Co	ounty Fire Department: Fire Station 227	Report Page:	(Page 5 of
Project Address:		et Date Prepared:	3/7/202
OCUMENTATION AUTHOR'S DEC	CLARATION STATEMENT		
	mpliance documentation is accurate and compl	ete.	
Occumentation Author Name:		Documentation Author Signature:	rdo C. Con a
Company:		Signature Date:	
Salas O'Brien Engineers		Sgradate Bate.	
Address:		CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:		Phone:	
I am eligible under Division 3 of the     The energy features and performal of Title 24, Part 1 and Part 6 of the     The building design features or system plans and specifications submitted     I will ensure that a completed significations. I understand that a consesponsible Designer Name:  I description of the energy features are system.	nce specifications, materials, components, and manufactured device California Code of Regulations. tem design features identified on this Certificate of Compliance are to the enforcement agency for approval with this building permit and copy of this Certificate of Compliance shall be made available we	ith the building permit(s) issued for the building, and made available to be included with the documentation the builder provides to the building Responsible Designer Signature:	of Compliance conform to the requirement ce documents, worksheets, calculations, the enforcement agency for all applicable ag owner at occupancy.
Company: Salas Obrien		Date Signed: 2025-03-07	
Address: 3220 Executive Ridge, Suite 210		License: E18809	
City/State/Zip: Vista CA 92081		Phone: (760) 560-0100	
	Gener	rated Date/Time:	Oocumentation Software: EnergyPro

CERTIF	FICATE OF COMPLIANCE					NRCC-SAB-
presci perfoi multif readir	riptive solar thermal require rmance approach, this docu family ten stories or fewer, i	ements in 170.2(d)3C fo ument demonstrates co hotel/motel ten stories Iditions to nonresidenti	or multifamily and hotel/ mpliance with mandator or fewer or all other non al, multifamily or hotel/r	motel occupanci ry solar readiness residential buildi notel building typ	es. When PV/battery/solar requirements in 110.10/1 ngs three stories or fewer. pes which add more than 2	esidential, multifamily and mixed-use buildings and thermal requirements don't apply or are traded using the 1.60.8 for newly constructed buildings which are either 1.50 lt is also used to demonstrate compliance with solar 1.000 ft <sup>2</sup> of roof area. Alterations, or additions of less than to complete this document.
Projec	t Name: San bernardino C	ounty Fire Department: F	ire Station 227	Repo	ort Page:	(Page 1 of 5
Projec	t Address:		180 V	V. 38th Street Date	Prepared:	3/7/202
A. GE	NERAL INFORMATION		9			
01 F	Project Location (city)	San Bernardino		04	Building Occupancies	
02 (	Climate Zone	10		05	Construction Type	New construction w/ roof <= 533 ft <sup>2</sup>
03 (	Conditioned Floor Area (ft²)	0		06	Number of Stories	Bldg <= 3 stories
	liance with Solar Photovol	( , , .	,	01		
⋈	Provided PV system and per 140.10/ 170.2 (g and	0.00 (m.)	The project has included documented in Table J.		system and battery storage	e system per requirements in 140.10/ 170.2(g and h) as
	Exception to PV and Batt Access Roof Area	ery: Not enough Solar	The total of all available documented in Table J.	Solar Access Roo	of Area(s) of the project sit	e is less than three percent of the conditioned floor area as
	Exception to PV and Batt 4kW	ery: Required PV <	The required PV system	size is less than	4 kW dc as documented in	Table J
	Exception to PV and Batt Solar Access Roof Area	ery: No contiguous	The Solar Access Roof A	rea(s) of the proj	ect site contains less than	80 contiguous square feet as documented in Table J.
	Exception to PV and Batt load	ery: Can't meet snow				s verified it is not possible for the PV system, including poof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.
	Exception to PV and Batt without VNEM or Comm		The project is a multi-te (VNEM) or community s	원생님의 하지만 나는데 가게 얼마나를 하다고 있다.	an area where a load servi	ng entity does not provide either a Virtual Net Metering
	The prescriptive PV/batto	ery requirement has be	en traded off using the p	erformance com	pliance approach as docur	mented on the PRF Certificate of Compliance form.
				Generated D	ate/Time:	Documentation Software: EnergyPro

CERTIFICATE	OF (	COMPLIANCE						_						NRCC-SAB
Project Name	: :	San bernarding	Cour	nty Fire Depart	ment:	Fire Station 22	7	Re	por	Page:				(Page 2 of
				322				Da	ite P	repared:				3/7/202
Compliance w	ith Sc	olar Thermal W	/ater	Heating Requi	reme	nts in 170.2(d)	BC (N	fultifamiily and	hote	el/ motel occur	anci	es anly)		
							- 1	01		.,				
□ dome	stic sc	lar water-heat	ing sy	stem to compl	y with	1.5	d Re	ference Resider				7.1	- V - V - V - V - V - V - V - V - V - V	ncludes a permanently installe
	table	are automatic						ns in Tables F th e referenced bei		th I. Note: If any	cell	on this table say	ys "DOES NOT COI	MPLY" or "COMPLIES with
Allocate	ed So	ar Zone		Installe	d PV	System		Installed	SWI	H System		Smart Tstat an EE Me		Compliance Results
01		02		03		04		05		06	ĺ	07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rat ed Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	COMPLIES
(Se	e Tabl	e F)	1	I WOMEN TO THE REAL PROPERTY.	ables	G or J)	i	(See	Tabl	Out-manufacture		(See Ta	WARRANG THE TOTAL CONTROL OF THE PARTY OF TH	
12.11	<=		OR	0	<=	300,000	OR		<=		OR			
			1000				90 67	the location fo			2.75	2 07 10 000000	a pathway	
Battery storag Table J.	e syst	em design me	ets th	e minimum rec	quirer	ments in Joint A	pper	ndix JA12 and th	e mi	nimum energy	(kWh	n)/ power (kW)	capacity per	COMPLIES
D EVERNIO		CONDITIONS								8				
			tabla	commonts bee	nuco	of coloctions	ndo -	r data entered i	in end	alor throughout	the	form		
THIS LUDIE IS O	uto-jii	ieu witri unean	uble	comments beco	uuse (	oj selections mo	ue o	ii uutu enterea i	ii tat	nes unougnout	uie,	JUITIT.		
	MANUAL PROPERTY.													
E. ADDITION						316 Se 20								
This table is in	clude	s remarks maa	le by t	he permit appi	icant	to the Authorit	у На	ving Jurisdiction						
								Generated	Date	e/Time:			Docu	mentation Software: EnergyPr

Solar And Battery			CALIFORNIA ENERGY COMMISSIO
CERTIFICATE OF COMPLIANCE			NRCC-SAB
Project Name: San bernardino County Fire Depart	rtment: Fire Station 227	Report Page:	(Page 3 of
		Date Prepared:	3/7/20:
F. ALLOCATED SOLAR ZONE			
This section does not apply to this project.			
G. PERMANENTLY INSTALLED SOLAR PV FOR SO	DLAR READY EXCEPTION		
This section does not apply to this project.			
H. PERMANENTLY INSTALLED SOLAR HOT WAT	ER SYSTEMS		
This section does not apply to this project.			
This section does not apply to this project.			
This section does not apply to this project.			



CONSULTANT: Vista, CA 92081
760.560.0100
08-22-25 #2024-03417

JO JO/ZO PP MP

08-22-25 #2024-03417

www.salasobrien.com

PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202 CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFOR	RMATION:
DATE:	INFORMATION:
9-11-24	D.D.s
10-26-24	PROGRESS
12-20-24	95% CDs
03-14-25	Plan Check 🛆
05-09-25	Plan Check 🛕
07-25-25	BID SET
08-25-25	BID SET

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24 AS NOTED DATE: DECEMBER 2024 PLOT DATE: DRAWING NAME:



TITLE 24 **EXTERIOR** 

SHEET NO.:

E0.6



	San Bernardino County Fire De  GHTING FIXTURE SCHEDUL  age: Unconditioned Spaces		ation 226							
Designed Watta	age: Unconditioned Spaces	E			Report Page:					(Page 4 of
Designed Watta	age: Unconditioned Spaces	E			Date Prepared:					3/7/20
01									-	
2001 37			- 7		<u> </u>	=	-			
Name or Item	02	03	04	05	06	07	08	09	1	.0
Name or item	Complete Luminaire		Small	Watts per		Tabal Namahan	Excluded per		Field In	spector
Tag	Complete Luminaire Description	Modular (Track) Fixture	Aperture & Color Change <sup>1</sup>	luminaire <sup>2</sup>	How is Wattage determined	Total Number of Luminaires	140.6(a)3 / 170.2(e)2C	Design Watts	Pass	Fail
F2	48" LED Strip Light	No	NA	27	Mfr. Spec	2	No	54		
F6	17w 6" Daimeter LED Down Light	No	NA	17	Mfr. Spec	1	No	17		
-	1		-		Total Designed	Watts: UNCOND	ITIONED SPACES	71		
Authority Havin iuminaire, not th	nakes this adjustment, the pering Jurisdiction may ask for Luihe lamp.  LIGHTING SYSTEMS  es not apply to this project.	rmit applicant si	hould enter full i	rated wattage			sted to be 75% /8	80% of their rated v		
Authority Havin luminaire, not th G. MODULAR I This section does	ng Jurisdiction may ask for Lunhe lamp.  LIGHTING SYSTEMS es not apply to this project.  GHTING CONTROLS (Not in	rmit applicant si iminaire cut she ncluding PAFs)	hould enter full i	rated wattage rattage used fo	in column 05.		sted to be 75% /8	80% of their rated v		
<sup>2</sup> Authority Havin luminaire, not th G. MODULAR I This section does	ng Jurisdiction may ask for Lunhe lamp.  LIGHTING SYSTEMS es not apply to this project.  GHTING CONTROLS (Not in des lighting controls for condi	rmit applicant si iminaire cut she ncluding PAFs)	hould enter full i	rated wattage rattage used fo	in column 05.		sted to be 75% /8	80% of their rated v		
Authority Havin luminaire, not th G. MODULAR I This section does H. INDOOR LIG	ng Jurisdiction may ask for Lunhe lamp.  LIGHTING SYSTEMS es not apply to this project.  GHTING CONTROLS (Not in des lighting controls for condi	rmit applicant si iminaire cut she ncluding PAFs)	hould enter full i	rated wattage rattage used fo	in column 05.		sted to be 75% /8	80% of their rated v		or the
Authority Havin luminaire, not th G. MODULAR I This section does H. INDOOR LIG	ng Jurisdiction may ask for Luche lamp.  LIGHTING SYSTEMS es not apply to this project.  GHTING CONTROLS (Not in des lighting controls for condition to the controls of the control	rmit applicant si iminaire cut she ncluding PAFs)	hould enter full i ets to confirm w	rated wattage rattage used fo	in column 05. or compliance per 1	02	sted to be 75% /8	80% of their rated v	num rated fo	or the
Authority Havin luminaire, not th G. MODULAR I This section does H. INDOOR LIG	ng Jurisdiction may ask for Luche lamp.  LIGHTING SYSTEMS es not apply to this project.  GHTING CONTROLS (Not in des lighting controls for conditions)	rmit applicant si iminaire cut she ncluding PAFs) itioned and unco	hould enter full in ets to confirm whets to confirm whether the co	rated wattage rattage used fo	in column 05. or compliance per 1 Shut-off	30.0(c) / 160.5(l	sted to be 75% /8 b). Wattage used c) / 160.5(b)4C	80% of their rated v	num rated fo	or the

						NRCC-LT
nonresidential and hotel/motel occu	te compliance with requirements in 110 pancies. It is also used to document con ultifamily includes dormitory and senior	npliance with requirem				
Project Name: San Bernardino Coun	ty Fire Department: Fire Station 226	Repor	t Page:			(Page 1 of
Project Address:	1	180 W. 38th Street Date P	repared:			3/7/20
•		34				
A. GENERAL INFORMATION						
01 Project Location (city)	San Bernardino	T	04 Total C	onditioned Floor Area (ft²)	31,225	
02 Climate Zone	10			nconditioned Floor Area (ft²)	295	
03 Occupancy Types Within Project			Control District Control of the	pries (Habitable Above Grade)	1	
All Other Occupancies	Andrew Control of the			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		151				_
B. PROJECT SCOPE						
This table includes any lighting syste 141.0(b)2 / 180.2(b)4 for alterations	ms that are within the scope of the perr	mit application and are	demonstr	ating compliance using the pre	scriptive path outlined in 140	.6 / 170.2(e) d
Scop	e of Work		Condition	ed Spaces	Unconditioned Spa	aces
	01	02	2	03	04	05
My Project Consists	of (check all that apply):	Calculation	n Method	Area (ft²)	Calculation Method	Area (ft <sup>2</sup> )
□ New Lighting System		Area Catego	ry Metho	31225	Area Category Method	295
☐ New Lighting System - Parking	Garage	5				
- Hew Eighting System Turking	£ \\  -   [6+2\	ľ	212	25	295	
Total Are	a of work (TC)		312		20 TO 10 TO	
	a of work (ft <sup>-</sup> )		512			

ndoor Lighting		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		NRCC-LTI-
Project Name: San Bernardino County Fire Department: Fire Station 226	Report Page:	(Page 8 of 9
	Date Prepared:	3/7/202
R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTI	IONS	
This section does not apply to this project.		
S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)		
This section does not apply to this project.		
T. DWELLING UNIT LIGHTING		
This section does not apply to this project.		
- Commence of the commence of		
LA DECLADATION OF DECLURED CERTIFICATES OF INSTALLATION		
U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION		
Selections have been made based on information provided in this document. I, Additional Remarks. These documents must be provided to the building inspec		ant, an explanation should be included in Table E.
	Form/Title	,
NRCI-LTI-E - Must be submitted for all buildings		
V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE		
Selections have been made based on information provided in this document. I	f any selections have been changed by the permit ap	plicant, an explanation should be included in Table E.
Additional Remarks. These documents must be provided to the building inspec Test Technician Certification Provider (ATTCP). For more information visit: http		n name must be completed through an Acceptance
Form/	Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time	e switch controls	Whole Building Time Switch;
NRCA-LTI-02-A - Must be submitted for automatic daylight controls.	C SWILLING CONTROLS	DAY ROOM; FITNESS; APPA.
The state of the s		BAY;
		Whole Building Demand
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.		Response;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.		Response;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Generated Date/Time:	Response;  Documentation Software: EnergyPro
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.  CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Generated Date/Time:  Report Version: 2022.0.000	3 % %

Schema Version: rev 20220101

Report Generated: 2025-03-07 10:33:38

RTIFICATE OF COMPLIANCE			4						NRCC-LTI-E
oject Name: San Bernardin	no County Fire Department: Fire Station	1 226		port Page:					(Page 5 of 9)
			Da	te Prepared:					3/7/2025
INDOOR LIGHTING CON	TROLS (Not including PAFs)								
rea Level Controls	TROES (NOT Including PACS)		12	- lib					
04	05	06	07	08	l no	10	11	1	2
04	05	06	07	- 08	09	10	11	1	2
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) /	Daylighting 130.1(d)	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field In	spector
		=======================================			160.5(b)4D			Pass	Fail
offices	All Other Space Types	Readily Accessible	Dimmer	See Building Level	NA:Garage < 36sf opening	NA:Garage < 36sf opening	No		
utility rooms	Electrical Mechancial Telephone Room	Readily Accessible	Dimmer	See Building Level	NA:Garage < 36sf opening	NA:Garage < 36sf opening	No		
SLEEP QUARTER	All Other Space Types	Readily Accessible	Dimmer	See Building Level	NA:Garage < 36sf opening	NA:Garage < 36sf opening	No		
DAY ROOM	Dining - Bar/Fine	Readily Accessible	Dimmer	See Building Level	Included	Included	No		
LOBBY	Lounge	Readily Accessible	Dimmer	See Building Level	NA:Garage < 36sf opening	NA:Garage < 36sf opening	No		
FITNESS	Exercise Center Gymnasium	Readily Accessible	Dimmer	See Building Level	Included	Included	No		
KITCHEN	Kitchen/ Food Preparation	Readily Accessible	Dimmer	See Building Level	NA:Garage < 36sf opening	NA:Garage < 36sf opening	No		
BATHROOM	Restroom	Readily Accessible	Dimmer	See Building Level	NA:Garage < 36sf opening	NA:Garage < 36sf opening	No		
			Generated [	Date/Time:			Documen	tation Softwar	re; EnergyPro

	IANCE					9						NRCC-LT
Project Name: San	Bernardino Cour	nty Fire Departm	nent: Fire Station	226		Repo	rt Pa	ge:				(Page 2 of
						Date	Prep	ared:				3/7/20
C. COMPLIANCE RE		NOT COMPLY"	or "COMPLIES	with Exception	al Co	nditions'' refe	r to	Chrone and an area	TO STATE OF THE ST			
	Allo	wed Lighting P	ower per 140.	6(b) / 170.2(e)	(Wa	itts)		Adjusted Ligi	nting Power per (Watts)	140.	.6(a) / 170.2(e)	Compliance Results
Lighting in conditioned and	01	02	03	04		05		06	07		08	09
unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	п	Total Allowed (Watts)	2	Total Designed (Watts)	Adjustments  PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 140.6 / 170.2(e)
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned		12,490	0		≔	12,490	2	4,389	0	⊨	4389	COMPLIES
Unconditioned		118	0		=	118	2	71	0	=	71	COMPLIES
											Table H for Details)  Table Q for Details)	COMPLIES
	ONDITIONS	ble comments	because of sel	ections made (	or da	ta entered in	table	s throughout (	the form.			
D. EXCEPTIONAL CO		9355 = 150 to 2016 10 10 10 10 10 10 10 10 10 10 10 10 10										
This table is auto-fille	MARKS		oplicant to the	Authority Havi	ng Ju	risdiction.						

ERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: San Bernardino County Fire Department: Fire Station 226	Report Page:	(Page 9 of 9)
Project Address: 18	80 W. 38th Street Date Prepared:	3/7/2025
OCUMENTATION AUTHOR'S DECLARATION STATEMENT certify that this Certificate of Compliance documentation is accurat	te and complete.	
Documentation Author Name:	Documentation Author Signature:	duardo G Den
Company: Salas O'Brien Engineers	Signature Date: 2025-03-07	
Address:	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Phone:	
<ol> <li>The building design features or system design features identified on this Certificate plans and specifications submitted to the enforcement agency for approval with this.</li> <li>I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Compliance State of Compl</li></ol>	is building permit application.  made available with the building permit(s) issued for the building, and m iance is required to be included with the documentation the builder provi	ade available to the enforcement agency for all applicable
	Responsible Designer Signature:	1.1CD
Ed David	-El	duardo G Den
Company: Salas Obrien	Date Signed: 2025-03-07	luardo G Den
Company: Salas Obrien Address: 3220 Executive Ridge, Suite 210	Date Signed: 2025-03-07 License: E18809	duardo G Den
Company: Salas Obrien Address: 3220 Executive Ridge, Suite 210 City/State/Zip:	Date Signed: 2025-03-07 License:	duardo G Den
Salas Obrien Address: 3220 Executive Ridge, Suite 210	Date Signed: 2025-03-07 License: E18809 Phone: (760) 560-0100	
Company: Salas Obrien Address: 3220 Executive Ridge, Suite 210 City/State/Zip:	Date Signed: 2025-03-07 License: E18809 Phone:	Documentation Software: EnergyPro

Report Page:   Date Prepared:   Date Prepared:
H. INDOOR LIGHTING CONTROLS (Not including PAFs)  LOCKER  Locker/Dressing Room  Readily Accessible  See Building Level  NA:Garage < 36sf opening openi
LOCKER  Locker/Dressing Room  Readily Accessible  Dimmer  See Building Level  NA:Garage < 36sf opening opening opening  NA:Garage < 36sf opening  NA:Garag
LOCKER Locker/Dressing Room Readily Accessible Dimmer See Building Level < 36sf opening opening opening opening
STORAGES    Electrical Mechanical Telephone Room   Accessible   Dimmer   See Building Level   < 36sf   opening   opening   Opening
Accessible Switch NA: 24 hour/365 day Included Included No  13  Plan Sheet Showing Daylit Zone  I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS  Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power all
I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS  Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power all
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Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power all
Conditioned Spaces         01         02         03         04         05         06
I Complete Ruilding or Area Category Primary I Allowed Density I Allowed Wattage I Additional Allowat
Area Description Complete Building or Area Category Primary Function Area (W/ft²) Area (ft²) Allowed Wattage (Watts) Area Category
Area Description Area (ft²)
Area Description Function Area (W/ft²) Area (ft²) (Watts) Area Category
Area Description Function Area (W/ft²) Area (ft²) (Watts) Area Category Fire Station Conditioned All Other Space Types 0.4 31,225 12,490 No
Area Description         Function Area         (W/ft²)         Area (ft²)         (Watts)         Area Category           Fire Station Conditioned         All Other Space Types         0.4         31,225         12,490         No           TOTALS: 31,225         12,490         See Tables J, or           Unconditioned Spaces           01         02         03         04         05         06
Area Description Function Area  (W/ft²) Fire Station Conditioned  All Other Space Types  0.4 31,225 12,490 No  TOTALS: 31,225 12,490 See Tables J, of the Complete Building or Area Category Primary  Area Description  Complete Building or Area Category Primary  Allowed Density  Area (ft²)  Area (ft²)  (Watts) Area Category  No  0.4 31,225 12,490 See Tables J, of the Complete Building or Area Category Primary  Allowed Density  Area (ft²) Area (ft²)  Allowed Wattage  Additional Alloware
Fire Station Conditioned All Other Space Types 0.4 31,225 12,490 No  TOTALS: 31,225 12,490 See Tables J, of Unconditioned Spaces  Unconditioned Spaces  O1 02 03 04 05 Of Area Category Primary Allowed Density (W/ft²) Area (ft²) (Watts) Area Category Area Category Primary Allowed Density (W/ft²) Area (ft²) (Watts) Area Category Area Category Primary Area (Matts) Area Category Primary Area (Matts) Area Category Primary Area (Matts) Area Category Primary Area Category Primary Area (Matts) Area Category Primary Area Category Pr
Area Description Function Area  (W/ft²) Fire Station Conditioned  All Other Space Types  0.4 31,225 12,490 No  TOTALS: 31,225 12,490 See Tables J, of the Complete Building or Area Category Primary  Area Description  Complete Building or Area Category Primary  Allowed Density  Area (ft²)  Area (ft²)  (Watts) Area Category  No  0.4 31,225 12,490 See Tables J, of the Complete Building or Area Category Primary  Allowed Density  Area (ft²) Area (ft²)  Allowed Wattage  Additional Alloware

Project Name:	San Bernardino County Fire De	partment: Fire St	ation 226		Report Page:					(Page 3 of
					Date Prepared:					3/7/20
This table inclu	GHTING FIXTURE SCHEDUL udes all planned permanent an Table T. If using Table T to do	d portable light								
not included h		amene ngrienig	m marchanny c	ommon asc ar	cus providing situ	ca provisions joi	nving, cuting, co	oning of James of	those rann	nan es are
Designed Wat	tage: Conditioned Spaces	200				na				
01	02	03	04	05	06	07	08	09	1	LO
Name or Item	Complete Luminaire	Modular	Small	Watts per	How is Wattage	Total Number	Excluded per		Field Ir	spector
Tag	Description	(Track) Fixture	Aperture & Color Change <sup>1</sup>	luminaire <sup>2</sup>	determined	of Luminaires	140.6(a)3 / 170.2(e)2C	Design Watts	Pass	Fail
F15	21w 6" Daimeter LED Shower Light	No	NA	21	Mfr. Spec		No	0		
F17	2.5w LED Reading Light	No	NA	2.5	Mfr. Spec	9	No	22.5		
F2	48" LED Strip Light	No	NA	27	Mfr. Spec	2	No	54		
F2/F2E	48" LED Strip Light	No	NA	27	Mfr. Spec	6	No	162		
F20/F20E	130w 96" LED Vapor Tight Light	No	NA	130	Mfr. Spec	21	No	2,730		
F24/F24E	27.9w 2 X 4 LED Troffer	No	NA	27.9	Mfr. Spec	10	No	279		
F24E	27.9w 2 X 4 LED Troffer	No	NA	27.9	Mfr. Spec	1	No	27.9		
F25	38w 48" LED Vapor Tight Light	No	NA	38	Mfr. Spec	3	No	114		
F3	48" LED Strip Light	No	NA	27	Mfr. Spec	10	No	270		
F5	20" 10w LED Linear Under Cabinet	No	NA	10	Mfr. Spec	5	No	50		
F6	17w 6" Daimeter LED Down Light	No	NA	17	Mfr. Spec	24	No	408		
F6/F6E	17w 6" Daimeter LED Down Light	No	NA	17	Mfr. Spec	11	No	187		
F7	17w 6" Daimeter LED Down Light	No	NA	17	Mfr. Spec	5	No	85		
	fe y				Total Design	ed Watts: COND	ITIONED SPACES	4,389		

Report Version: 2022.0.000 Schema Version: rev 20220101

STATE OF CALIFORNIA **Indoor Lighting** 

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance



**760.560.0100**08-22-25 #2024-03417

JO JO/ZC PP MP

PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

COUNTY FIRE DEPARTMENT: **FIRE STATION 227** 

PROJECT # 10.10.1202 CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO,

CA 92405

ISSUE INFOR	RMATION:
DATE:	INFORMATION:
9-11-24	D.D.s
10-26-24	PROGRESS
12-20-24	95% CDs
03-14-25	Plan Check 🛆
05-09-25	Plan Check 🖄
07-25-25	BID SET
08-25-25	BID SET

SHEET INFORMATION:

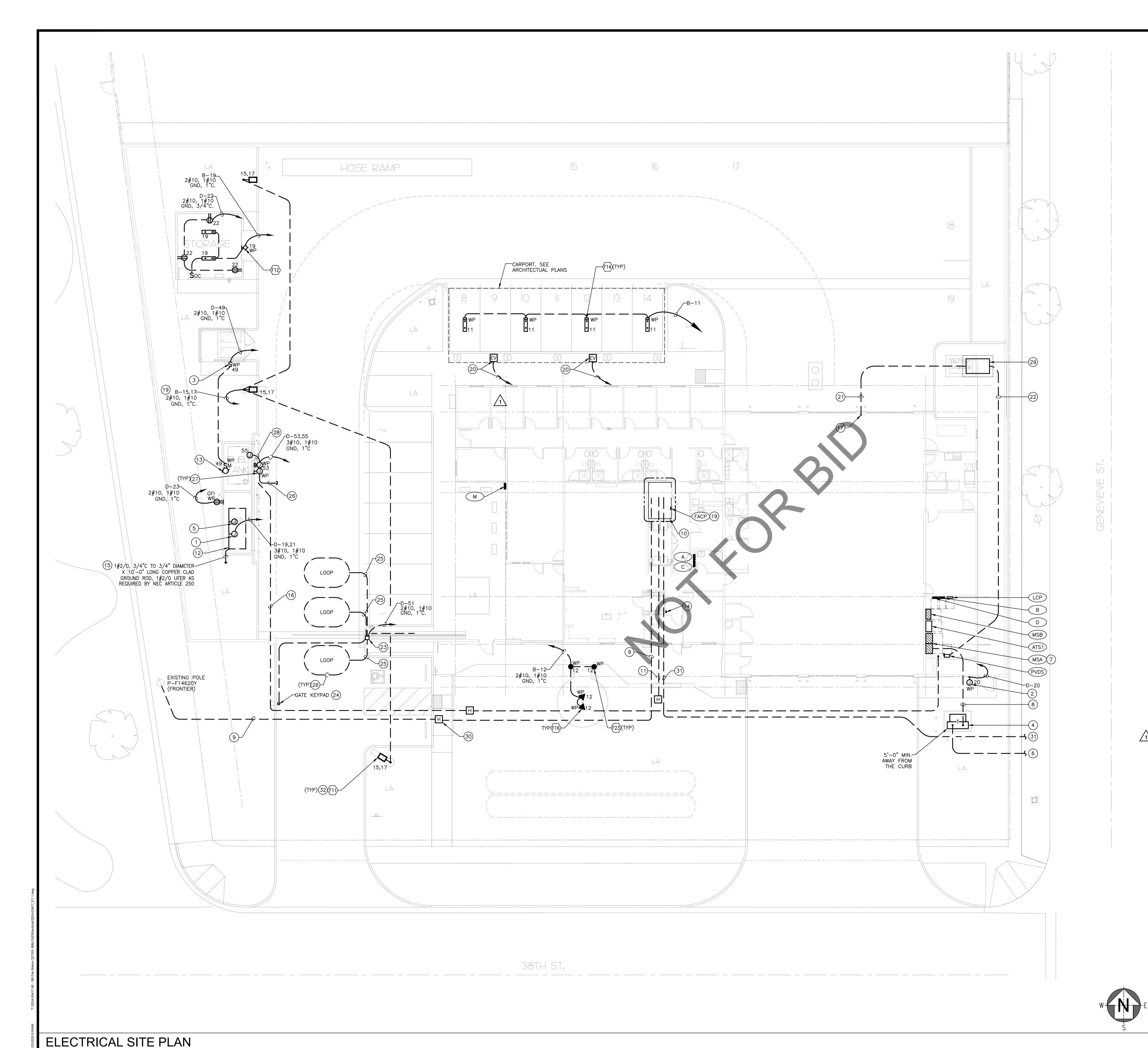
STK PROJECT NO.: 374-193-24 AS NOTED DATE: DECEMBER 2024 PLOT DATE: DRAWING NAME:



TITLE 24

Compliance ID: EnergyPro-5511-0325-5612 Report Generated: 2025-03-07 10:33:38





#### GENERAL NOTES

- A. CONDUITS TO BE MINIMUM 24" BELOW GRADE.
- B. UTILITY SERVICES TO BE MINIMUM 36" BELOW GRADE TO TOP OF CONDUITS. COORDINATE WITH MECHANICAL, CIVIL, LANDSCAPE AND IRRIGATION SITE DRAWINGS, PRIOR TO START OF WORK.
- C. PROVIDE PULL WIRES IN ALL EMPTY CONDUITS AS REQUIRED BY UTILITIES SERVICE.
- D. UTILITY PAD TO BE FURNISHED PER SERVING UTILITY COMPANY STANDARDS. PROVIDE EASILY IDENTIFIABLE MARKERS AT ALL
- E. CONSTRUCTION AND INSPECTION WILL BE PER UTILITY-ISSUED DRAWINGS AND SPECIFICATIONS.
- F. REFER TO ARCHITECTURAL UTILITY SITE PLAN A1.1 FOR ELECTRICAL, TELEPHONE AND CATV CONDUIT REQUIREMENTS AND INSTALLATION POINTS TO BE INCLUDED IN BID.
- G. ALL OUTLETS (INCLUDING OUTSIDE) NEAR POSSIBLE WATER SOURCE SHALL BE GFI TYPE.
- H. UNLESS SWITCH IS SHOWN, ALL EXTERIOR LIGHTS SHALL BE CONTROLLED BY LIGHTING CONTROL PANEL.
- PROVIDE ALL UNDERGROUND CONDUIT REQUIRED AS PART OF THE BASE BID. J. ALL EQUIPMENT LOCATED OUTSIDE SHALL BE RATED AS SUCH.
- K. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR POTENTIAL CONFLICTS. INFORM ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- EXTERIOR LIGHT POLLUTION SHALL COMPLY WITH CGC SECTION

## KEY NOTES

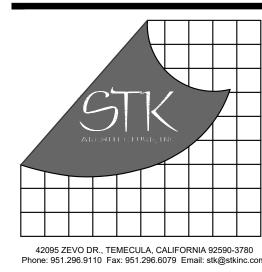
- (1) CONNECT TO GENERATOR JACKET WATER HEATER. COORDINATE WIRING REQUIREMENTS AND LOCATION WITH GENERATOR PROVIDER/INSTALLER PRIOR TO START OF WORK.
- (2) JUNCTION BOX FOR IRRIGATION CONTROLLER. COORDINATE LOCATION WITH LANDSCAPE CONTRACTOR PRIOR TO START OF
- 3 PROVIDE 2-POLE PUSHBUTTON WITH RED MUSHROOM HEAD SWITCHES IN "FS" BOX AND WEATHER PROOF COVER ON CMU WALL AT +54" TO CENTER LINE. SWITCHES TO DISCONNECT BOTH HOT AND NEUTRAL CONDUCTORS. PROVIDE RED 6' X 12" MICARTA SIGN WITH 1-1/2" H X 1/4" STROKE LETTERS ENGRAVED: "EMERGENCY FUEL PUMP "A" SHUT OFF" AND "EMERGENCY FUEL PUMP "B" SHUT OFF". PROVIDE 3" H X 1/2" STROKE LETTERS (RED LETTERS ON WHITE BACKGROUND). "NO SMOKING" SIGN ON EACH SIDE OF ABOVE GROUND FUEL TANKS. PROVIDE EYS FITTING IN CONDUIT GOING TO PUSHBUTTON AND 12" X 18" PULL BOX.
- (4) PROPOSED LOCATION OF UTILITY TRANSFORMER. VERIFY EXACT LOCATION WITH UTILITY COMPANY PRIOR TO START OF WORK.
- (5) CONNECT TO GENERATOR BATTERY CHARGER. COORDINATE WIRING REQUIREMENTS AND LOCATION WITH GENERATOR PROVIDER/INSTALLER PRIOR TO START OF WORK.
- (6) UTILITY COMPANY PRIMARY FEEDER. COORDINATE REQUIREMENTS WITH UTILITY PLANNER.
- 7) PROVIDE 600 AMP, 208Y/120 VOLT, 3 PHASE, 4 WIRE, METER MAIN SWITCHBOARD 'MSA'. SEE SINGLE LINE DIAGRAM ON SHEET

E4.1 FOR MORE INFORMATION.

- (8) PROVIDE TWO (2) 4" CONDUIT TO UTILITY TRANSFORMER. COORDINATE WITH UTILITY COMPANY FOR EXACT LOCATION AND REQUIREMENTS, PRIOR TO START OF WORK.
- 9) PROVIDE (1) 2" SCHEDULE 40 PVC CONDUIT, FOR TELECOMMUNICATIONS WITH 3/8" PULL ROPE FROM EXISTING POLE TO TELECOMMUNICATIONS ROOM. COORDINATE WITH FRONTIER FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO START OF WORK. CONDUITS SHALL BE BURIED A MINIMUM OF 36" BELOW FINISHED GRADE.
- (10) PROVIDE 3/4" X 8'-0" HIGH X 6'-0" WIDE FIRE RATED PLYWOOD BACKBOARD WITH 1#6 COPPER GROUNDING CONDUCTOR BOND TO MAIN SWITCHBOARD GROUND ELECTRODE SYSTEM.
- PROVIDE 2#12, 1#12 GROUND IN 3/4" CONDUIT TO FLOW SWITCH, PIV AND CONNECT TO SPRINKLER BELLS. COORDINATE WITH SPRINKLER SYSTEM FOR EXACT LOCATION AND REQUIREMENTS.
- (12) GENERATOR PROVIDED BY CONTRACTOR. SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.
- (13) PROVIDE CONNECTION TO 1/4 HP 120 VOLT PUMP/TANK PACKAGE UNIT. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS PRIOR TO START OF WORK.
- (14) PROVIDE GENERATOR REMOTE ANNUNCIATOR PANEL IN LOBBY ABOVE COUNTER WITH 1" CONDUIT TO GENERATOR CONTROLS LOCATION, COORDINATE ALL REQUIREMENTS WITH GENERATOR SUPPLIER/INSTALLER PRIOR TO START OF WORK.
- (15) PROVIDE GROUNDING ELECTRODE SYSTEM TO METALLIC BUILDING STRUCTURE AS REQUIRED BY NEC ARTICLE 250. 1#6, 3/4"C TO 3/4" DIAMETER X 10'-0" LONG COPPER CLAD GROUND ROD, 1#4 UFER AS REQUIRED BY NEC ARTICLE 250.
- (16) PROVIDE 1#10 BOND TO METALLIC BUILDING GROUNDING ELECTRODE SYSTEM AS REQUIRED BY NEC ARTICLE 250.
- (1) 2" CONDUIT FROM SOLAR ARRAY ON ROOF ROUTED DOWN TO BELOW GRADE.
- (18) ROUTE LIGHTING CIRCUIT THRU LIGHTING CONTROL PANEL "LCP".  $\widehat{19}$  COORDINATE EXACT LOCATION WITH FIRE ALARM CONTRACTOR.
- ) FUTURE EV CHARGING STATION. PROVIDE INFRASTRUCTURE WITH CONDUITS ONLY FOR POWER AND DATA WITH PULLSTRINGS FOR DUAL CHARGING STATION. ROUTE (2) 2" CONDUIT ONLY STUB INTO ELECTRICAL ROOM AND ROUTE (2) 1" CONDUIT ONLY STUB INTO TELECOM ROOM.
- (1) 2" CONDUIT BELOW GRADE OVER TO BATTERY ENERGY STORAGE SYSTEM 'BESS1' AS SHOWN.
- 4#2, 1#6 GROUND, 2" CONDUIT, (1) 1-1/4" CONDUIT FOR COMMUNICATIONS STUBBED UP UNDER 'BESS1' POWER AND COMMUNICATIONS CABINET.
- (23) MOTORIZED GATE CONTROLLER. COORDINATE WITH GATE INSTALLER PRIOR TO ROUGH-IN FOR EXACT LOCATION.
- PROVIDE 3/4" CONDUIT FROM GATE CONTROLLER TO MOTORIZED GATE KEYPAD ON PEDESTAL. COORDINATE WITH KEYPAD INSTALLER PRIOR TO ROUGH-IN.
- PROVIDE 3/4" CONDUIT FROM GATE CONTROLLER TO GATE SENSOR LOOP. COORDINATE WITH GATE CONTROLLER INSTALLER PRIOR TO ROUGH-IN.
- PROVIDE 1" CONDUIT TO TELECOMM ROOM WITH (1) CATE
  CARLING FOR TERMINAL CONTROLLER NETWORK DATA CABLING FOR TERMINAL CONTROLLER NETWORK DÀTÁ.
- PROVIDE EXPLOSION—PROOF JUNCTION BOX TO ALL FUEL TERMINAL CONTROLLER AND FUEL DISPENSER. TERMINAL CONTROLLER AND FUEL DISPENSER.
- PROVIDE (2) 3/4" RIGID CONDUIT BETWEEN FUEL TERMINAL AND THE DISPENSER.
- 30kW/81kWh BATTERY ENERGY STORAGE SYSTEM 'BESS', SEE SINGLE LINE DIAGRAM ON SHEET E4.1 AND CUT SHEETS ON SHEET E5.6 FOR MORE INFORMATION.
- PROVIDE A 17"X 30" HANDHOLE FOR TELECOMMUNICATIONS INFRASTRUCTURE. COORDINATE WITH FRONTIER TELECOMMUNICATIONS STANDARDS PRIOR TO ROUGH IN.
- PROVIDE (1)2-1/2" CONDUIT FOR CABLE (SPECTRUM), FROM TELECOMMUNICATIONS ROOM TO POLE. COORDINATE POC AND ADDITIONAL REQUIREMENTS WITH SPECTRUM SHOP DRAWINGS PRIOR TO ROUGH-IN.
- PROVIDE 1" CONDUIT TO EACH LIGHT POLE FOR FUTURE CCTV CAMERA AND ROUTE TO COMM ROOM. SEE DETAIL 1/E0.2

3/32"=1'-0"





CONSULTANT:

Salas Vista, CA 92081 **760.560.0100** 08-22-25 #2024-03417 JO JO/ZC PP MP

PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO **COUNTY FIRE DEPARTMENT**: **FIRE STATION 227** 

PROJECT # 10.10.1202 CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO,

CA 92405

ISSUE INFOR	RMATION:
DATE:	INFORMATION
9-11-24	D.D.s
10-26-24	PROGRESS

12-20-24

03-14-25 | Plan Check <u>/ 1</u> 05-09-25 | Plan Check <u>/2</u>\ 07-2<del>5-25 | BID SET ---</del>

95% CDs

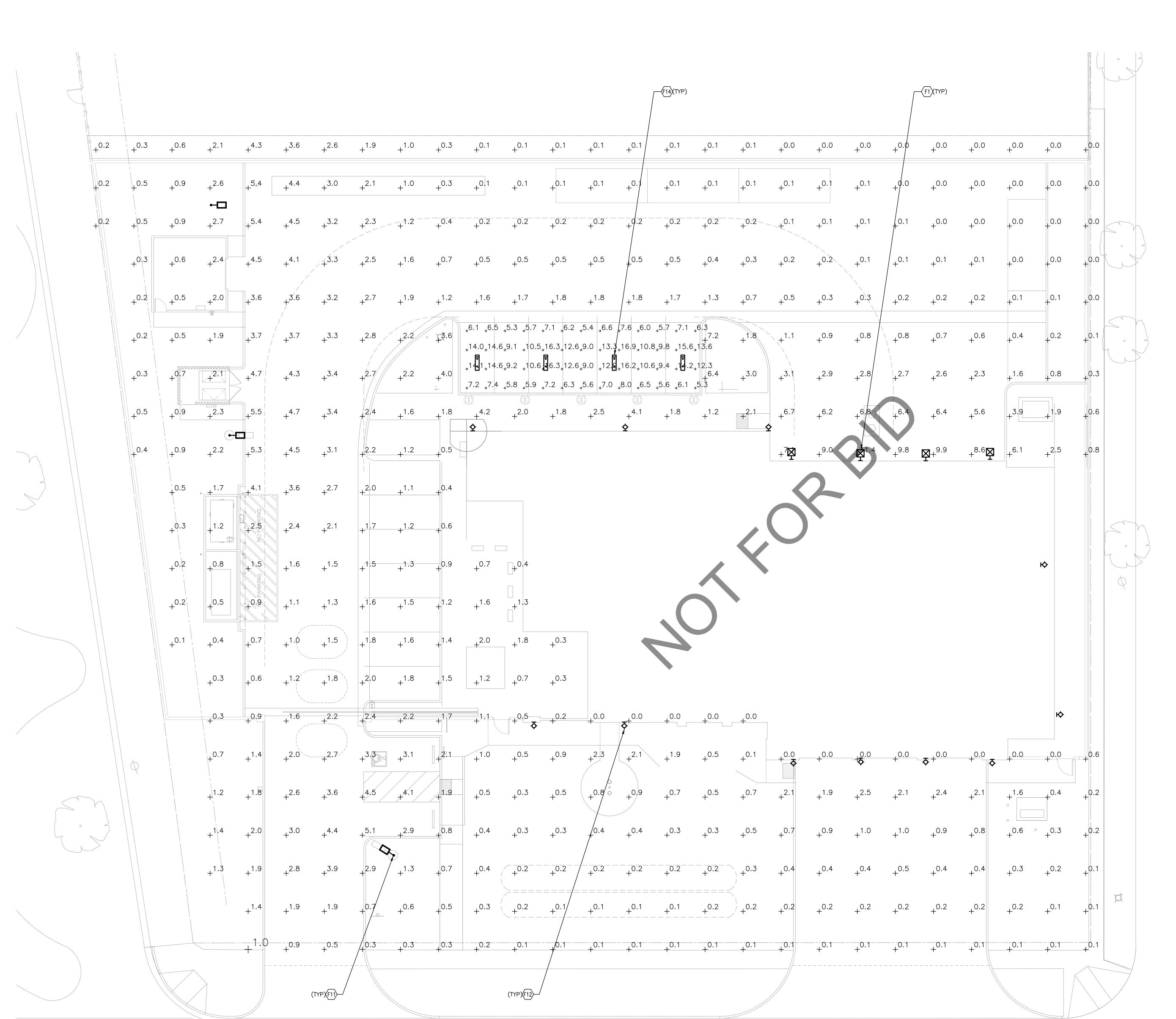
08-25-25 BID SET

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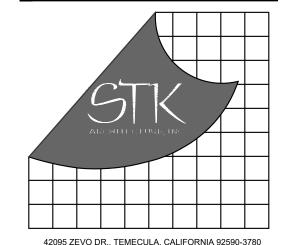
STK PROJECT NO.: 374-193-24 AS NOTED DATE: DECEMBER 2024 PLOT DATE: DRAWING NAME:



**ELECTRICAL** SITE PLAN



StatisticsDescriptionSymbolAvgMaxMinMax/MinAvg/MinSite Lighting+1.4 fc11.4 fc0.0 fcN/AN/ACarport+9.6 fc17.0 fc5.3 fc3.2:11.8:1



42095 ZEVO DR., TEMECULA, CALIFORNIA 92590 Phone: 951.296.9110 Fax: 951.296.6079 Email: stk@st

Salas
O'Brien
3220 Executive Ridge, Suite 210
Vista, CA 92081
760.560.0100

08-22-25 #2024-03417
www.salasobrien.com

PROJECT ADMINISTERED BY:

SAN BERNARDINO COUNTY

PROJECT & FACILITIES

MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

POJECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202 CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFOR	RMATION:
DATE:	INFORMATION:
9-11-24	D.D.s
10-26-24	PROGRESS
12-20-24	95% CDs
03-14-25	Plan Check 🛆
05-09-25	Plan Check 🛕
O7 <del>-25-25</del>	BID SET
08-25-25	BID SET
<u> </u>	

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24
SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE: —

SEAL

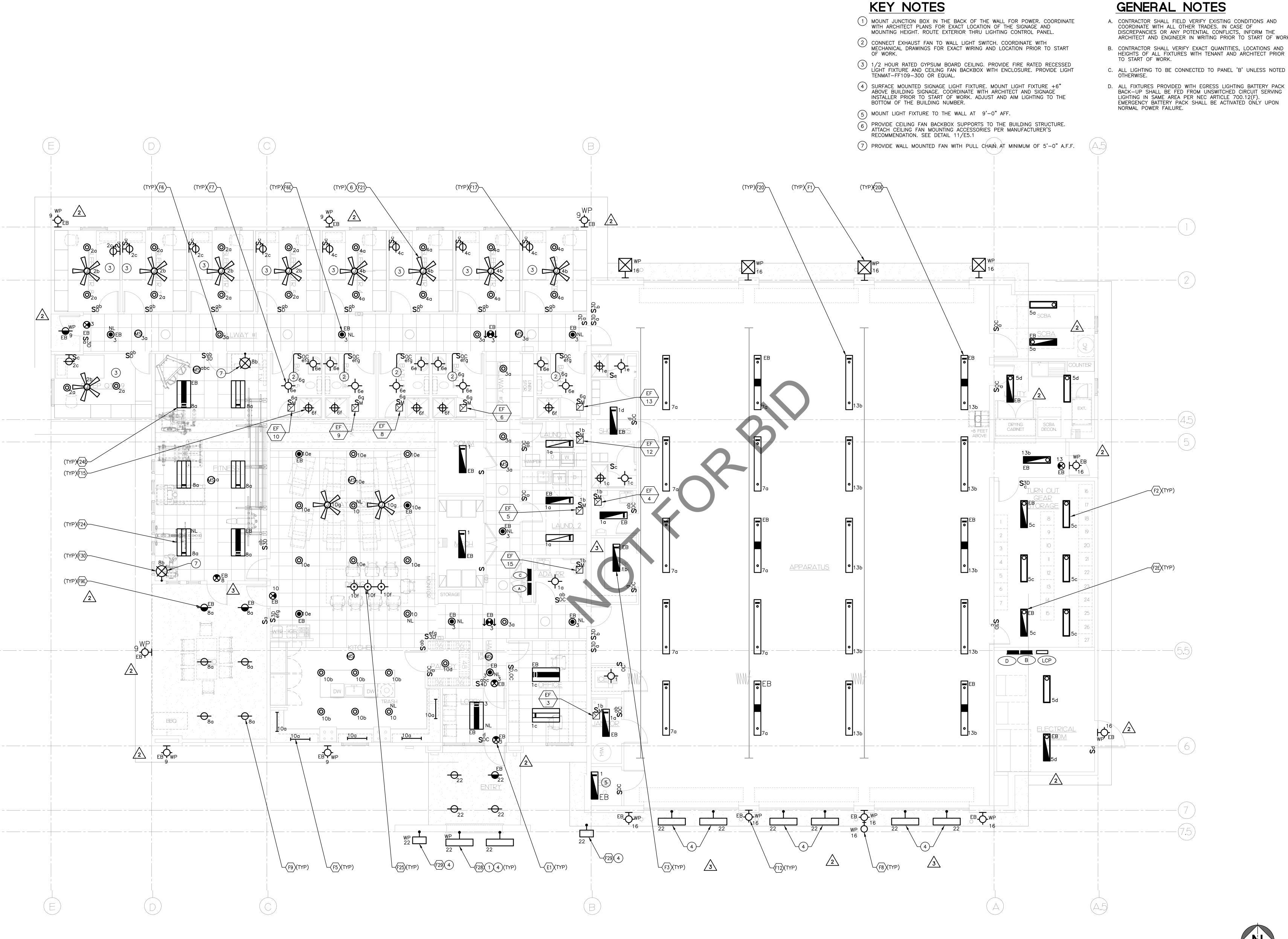


SHEET TITL

LIGHTING SITE PLAN PHOTOMETRIC

SHEET NO.:

E1.2



LIGHTING FLOOR PLAN

### GENERAL NOTES

- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. CONTRACTOR SHALL VERIFY EXACT QUANTITIES, LOCATIONS AND HEIGHTS OF ALL FIXTURES WITH TENANT AND ARCHITECT PRIOR TO START OF WORK.
- C. ALL LIGHTING TO BE CONNECTED TO PANEL 'B' UNLESS NOTED OTHERWISE.
- LIGHTING IN SAME AREA PER NEC ARTICLE 700.12(F). EMERGENCY BATTERY PACK SHALL BE ACTIVATED ONLY UPON NORMAL POWER FAILURE.



CONSULTANT:

3220 Executive Ridge, Suite 210 Vista, CA 92081 **760.560.0100**O8-22-25 #2024-03417 www.salasobrien.com

PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202 CIP #22-105

APN Part of 0154-281-01

I80 W. 38TH STREET SAN BERNARDINO, CA 92405

ISSUE INFO	RMATION:
DATE:	INFORMATION:
9-11-24	D.D.s
10-26-24	PROGRESS
12-20-24	95% CDs
03-14-25	Plan Check 🛆
05-09-25	Plan Check 🛕
07-25-25	BID SET
08-25-25	BID SET

# SHEET INFORMATION:

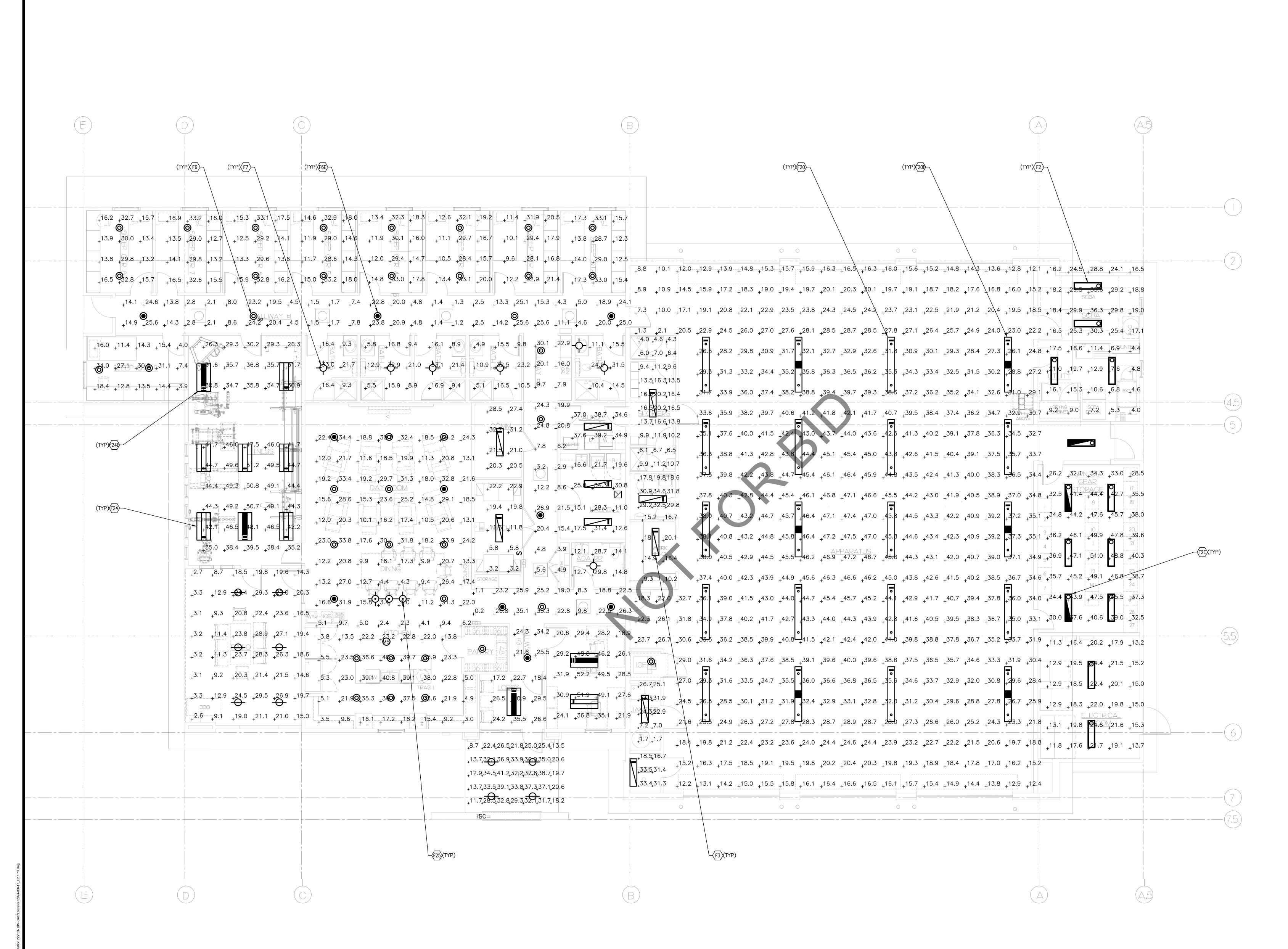
DECEMBER 2024

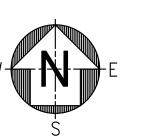


LIGHTING FLOOR PLAN

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

E2.1





ALC HITT CITICE, INC.

42095 ZEVO DR., TEMECULA, CALIFORNIA 92590-3780

CONSULTA

Salas
O'Brien
3220 Executive Ridge, Suite 210
Vista, CA 92081
760.560.0100

08-22-25 #2024-03417
www.salasobrien.com

08-21-25 #2024-03417

PROJECT ADMINISTERED BY:
SAN BERNARDINO COUNTY
PROJECT & FACILITIES
MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

ROJECT NAME:

SAN BERNARDINO COUNTY FIRE DEPARTMENT: FIRE STATION 227

PROJECT # 10.10.1202 CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO, CA 92405

INFORMATION: D.D.s PROGRESS 95% CDs
PROGRESS
95% CDs
Plan Check 🛆
Plan Check 🛕
BID SET
BID SET

SHEET INFORMATIO

STK PROJECT NO.: 374-193-SCALE: AS NOT DATE: DECEMBER 20 PLOT DATE: DRAWING NAME:

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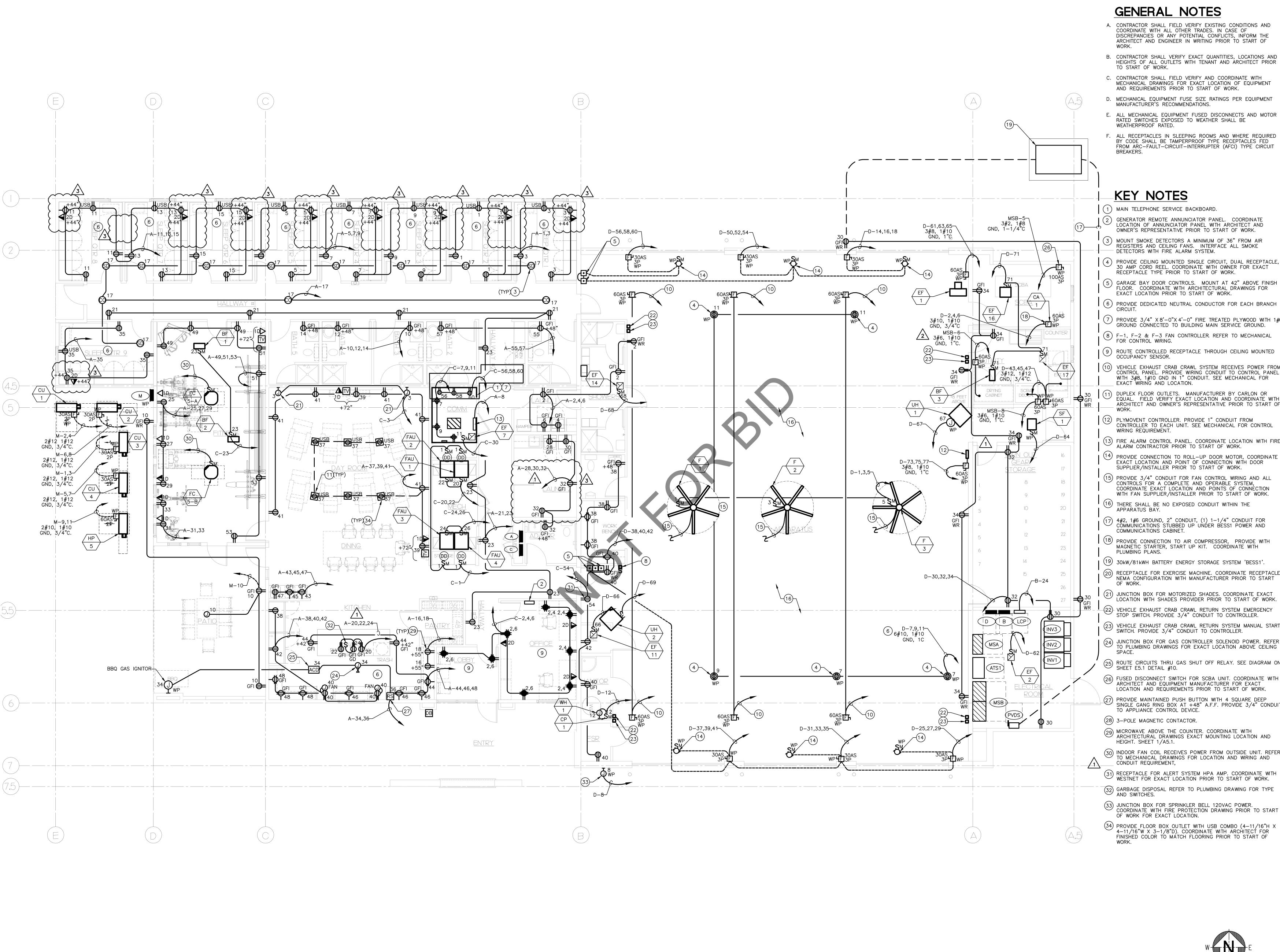


SHEET

LIGHTING FLOOR PLAN PHOTOMETRIC

SHEET NO:

E2.1PH



POWER FLOOR PLAN



- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF
- B. CONTRACTOR SHALL VERIFY EXACT QUANTITIES, LOCATIONS AND HEIGHTS OF ALL OUTLETS WITH TENANT AND ARCHITECT PRIOR
- TO START OF WORK. C. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH
- MECHANICAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT AND REQUIREMENTS PRIOR TO START OF WORK.
- MANUFACTURER'S RECOMMENDATIONS.
- E. ALL MECHANICAL EQUIPMENT FUSED DISCONNECTS AND MOTOR RATED SWITCHES EXPOSED TO WEATHER SHALL BE WEATHERPROOF RATED.
- F. ALL RECEPTACLES IN SLEEPING ROOMS AND WHERE REQUIRED BY CODE SHALL BE TAMPERPROOF TYPE RECEPTACLES FED FROM ARC-FAULT-CIRCUIT-INTERRUPTER (AFCI) TYPE CIRCUIT

#### KEY NOTES

- (1) MAIN TELEPHONE SERVICE BACKBOARD.
- 2 GENERATOR REMOTE ANNUNCIATOR PANEL. COORDINATE LOCATION OF ANNUNCIATOR PANEL WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO START OF WORK.
- (3) MOUNT SMOKE DETECTORS A MINIMUM OF 36" FROM AIR REGISTERS AND CEILING FANS. INTERFACE ALL SMOKE DETECTORS WITH FIRE ALARM SYSTEM.
- (4) PROVIDE CEILING MOUNTED SINGLE CIRCUIT, DUAL RECEPTACLE, 30 AMP CORD REEL. COORDINATE WITH OWNER FOR EXACT
- (5) GARAGE BAY DOOR CONTROLS. MOUNT AT 42" ABOVE FINISH FLOOR. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION PRIOR TO START OF WORK.
- (6) PROVIDE DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH
- (7) PROVIDE 3/4"  $\times 8'-0$ "  $\times 4'-0$ " FIRE TREATED PLYWOOD WITH 1#6 GROUND CONNECTED TO BUILDING MAIN SERVICE GROUND. (8) F-1, F-2 & F-3 FAN CONTROLLER REFER TO MECHANICAL
- 9 ROUTE CONTROLLED RECEPTACLE THROUGH CEILING MOUNTED
- (10) VEHICLE EXHAUST CRAB CRAWL SYSTEM RECEIVES POWER FROM CONTROL PANEL. PROVIDE WIRING CONDUIT TO CONTROL PANEL WITH 3#8, 1#10 GND IN 1" CONDUIT. SEE MECHANICAL FOR EXACT WIRING AND LOCATION.
- DUPLEX FLOOR OUTLETS. MANUFACTURER BY CARLON OR EQUAL. FIELD VERIFY EXACT LOCATION AND COORDINATE WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO START OF
- (12) PLYMOVENT CONTROLLER. PROVIDE 1" CONDUIT FROM CONTROLLER TO EACH UNIT. SEE MECHANICAL FOR CONTROL WIRING REQUIREMENT.
- 13) FIRE ALARM CONTROL PANEL. COORDINATE LOCATION WITH FIRE ALARM CONTRACTOR PRIOR TO START OF WORK. PROVIDE CONNECTION TO ROLL-UP DOOR MOTOR, COORDINATE EXACT LOCATION AND POINT OF CONNECTION WITH DOOR
- (15) PROVIDE 3/4" CONDUIT FOR FAN CONTROL WIRING AND ALL CONTROLS FOR A COMPLETE AND OPERABLE SYSTEM, COORDINATE EXACT LOCATION AND POINTS OF CONNECTION WITH FAN SUPPLIER/INSTALLER PRIOR TO START OF WORK.
- (16) THERE SHALL BE NO EXPOSED CONDUIT WITHIN THE
- 4#2, 1#6 GROUND, 2" CONDUIT, (1) 1-1/4" CONDUIT FOR CÖMMÜNICATIONS STUBBED UP UNDER BESS1 POWER AND COMMUNICATIONS CABINET.
- (18) PROVIDE CONNECTION TO AIR COMPRESSOR, PROVIDE WITH MAGNETIC STARTER, START UP KIT. COORDINATE WITH
- <sup>(19)</sup> 30kW/81kWH BATTERY ENERGY STORAGE SYSTEM 'BESS1'. 20) RECEPTACLE FOR EXERCISE MACHINE. COORDINATE RECEPTACLE
- (21) JUNCTION BOX FOR MOTORIZED SHADES. COORDINATE EXACT LOCATION WITH SHADES PROVIDER PRIOR TO START OF WORK. (22)- VEHICLE EXHAUST CRAB CRAWL RETURN SYSTEM EMERGENCY
- (23) VEHICLE EXHAUST CRAB CRAWL RETURN SYSTEM MANUAL START SWITCH. PROVIDE 3/4" CONDUIT TO CONTROLLER. JUNCTION BOX FOR GAS CONTROLLER SOLENOID POWER. REFER
- ROUTE CIRCUITS THRU GAS SHUT OFF RELAY. SEE DIAGRAM ON SHEET E5.1 DETAIL #10.
- FUSED DISCONNECT SWITCH FOR SCBA UNIT. COORDINATE WITH ARCHITECT AND EQUIPMENT MANUFACTURER FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO START OF WORK.
- PROVIDE MAINTAINED PUSH BUTTON WITH 4 SQUARE DEEP SINGLE GANG RING BOX AT +48" A.F.F. PROVIDE 3/4" CONDUIT TO APPLIANCE CONTROL DEVICE.
- (28) 3-POLE MAGNETIC CONTACTOR.
- 99 MICROWAVE ABOVE THE COUNTER. COORDINATE WITH ARCHITECTURAL DRAWINGS EXACT MOUNTING LOCATION AND HEIGHT. SHEET 1/A5.1.
- 30 INDOOR FAN COIL RECEIVES POWER FROM OUTSIDE UNIT. REFER TO MECHANICAL DRAWINGS FOR LOCATION AND WIRING AND CONDUIT REQUIREMENT,
- RECEPTACLE FOR ALERT SYSTEM HPA AMP. COORDINATE WITH WESTNET FOR EXACT LOCATION PRIOR TO START OF WORK. GARBAGE DISPOSAL REFER TO PLUMBING DRAWING FOR TYPE AND SWITCHES.
- 33 JUNCTION BOX FOR SPRINKLER BELL 120VAC POWER. COORDINATE WITH FIRE PROTECTION DRAWING PRIOR TO START OF WORK FOR EXACT LOCATION.
- (34) PROVIDE FLOOR BOX OUTLET WITH USB COMBO (4-11/16"H X 4-11/16"W X 3-1/8"D). COORDINATE WITH ARCHITECT FOR FINISHED COLOR TO MATCH FLOORING PRIOR TO START OF



CONSULTANT: **O'Brien** 3220 Executive Ridge, Suite 210 Vista, CA 92081 **760.560.0100**08-22-25 #2024-03417

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PROJECT ADMINISTERED BY: SAN BERNARDINO COUNTY PROJECT & FACILITIES

MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

PROJECT NAME:

SAN BERNARDINO **COUNTY FIRE** DEPARTMENT: **FIRE STATION 227** 

PROJECT # 10,10,1202 CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET SAN BERNARDINO,

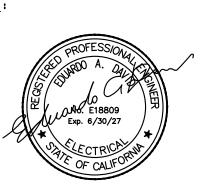
CA 92405

ISSUE INFORMATION:		
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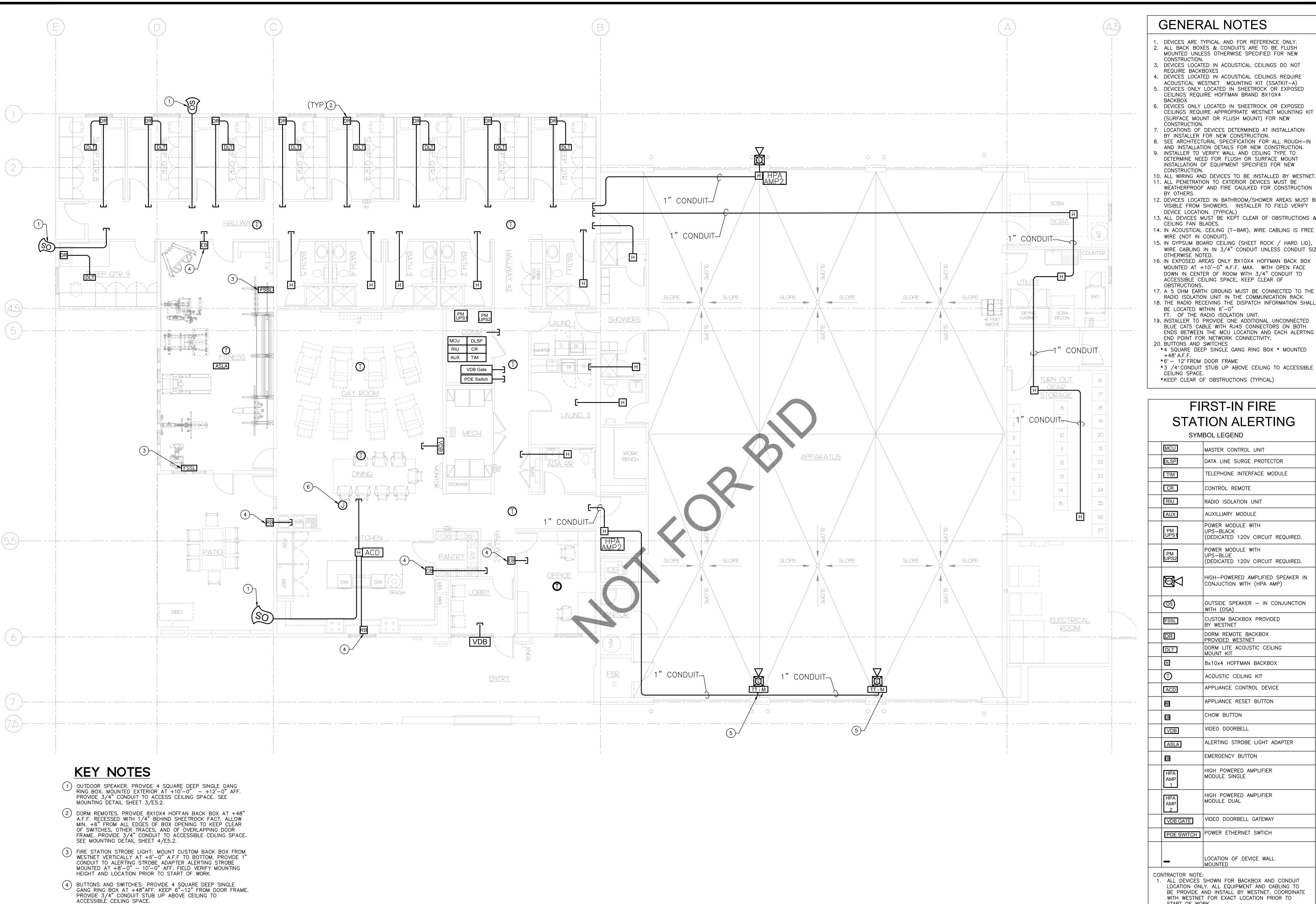
SHEET INFORMATION:

STK PROJECT NO.: 374-193-24 DECEMBER 2024 PLOT DATE:

DRAWING NAME:



POWER FLOOR PLAN



### **GENERAL NOTES**

- DEVICES ARE TYPICAL AND FOR REFERENCE ONLY. ALL BACK BOXES & CONDUITS ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE SPECIFIED FOR NEW
- CONSTRUCTION. DEVICES LOCATED IN ACOUSTICAL CEILINGS DO NOT
- REQUIRE BACKBOXES 4. DEVICES LOCATED IN ACOUSTICAL CEILINGS REQUIRE
- ACOUSTICAL WESTNET MOUNTING KIT (SSATKIT-A) DEVICES ONLY LOCATED IN SHEETROCK OR EXPOSED CEILINGS REQUIRE HOFFMAN BRAND 8X10X4
- BACKBOX DEVICES ONLY LOCATED IN SHEETROCK OR EXPOSED CEILINGS REQUIRE APPROPRIATE WESTNET MOUNTING KIT
- (SURFACE MOUNT OR FLUSH MOUNT) FOR NEW CONSTRUCTION. LOCATIONS OF DEVICES DETERMINED AT INSTALLATION
- BY INSTALLER FOR NEW CONSTRUCTION. 8. SEE ARCHITECTURAL SPECIFICATION FOR ALL ROUGH-IN AND INSTALLATION DETAILS FOR NEW CONSTRUCTION. INSTALLER TO VERIFY WALL AND CEILING TYPE TO
- DETERMINE NEED FOR FLUSH OR SURFACE MOUNT INSTALLATION OF EQUIPMENT SPECIFIED FOR NEW CONSTRUCTION. 10. ALL WIRING AND DEVICES TO BE INSTALLED BY WESTNET.
- 11. ALL PENETRATION TO EXTERIOR DEVICES MUST BE WEATHERPROOF AND FIRE CAULKED FOR CONSTRUCTION BY OTHERS. 12. DEVICES LOCATED IN BATHROOM/SHOWER AREAS MUST BE
- VISIBLE FROM SHOWERS. INSTALLER TO FIELD VERIFY DEVICE LOCATION. (TYPICAL) 13. ALL DEVICES MUST BE KEPT CLEAR OF OBSTRUCTIONS & CEILING FAN BLADES.
- WIRE (NOT IN CONDUIT). 15. IN GYPSUM BOARD CEILING (SHEET ROCK / HARD LID), WIRE CABLING IN IN 3/4" CONDUIT UNLESS CONDUIT SIZE
- 16. IN EXPOSED AREAS ONLY 8X10X4 HOFFMAN BACK BOX MOUNTED AT +10'-0" A.F.F. MAX. WITH OPEN FACE DOWN IN CENTER OF ROOM WITH 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE, KEEP CLEAR OF OBSTRUCTIONS.
- 17. A 5 OHM EARTH GROUND MUST BE CONNECTED TO THE RADIO ISOLATION UNIT IN THE COMMUNICATION RACK. 18. THE RADIO RECEIVING THE DISPATCH INFORMATION SHALL BE LOCATED WITHIN 6'-0"
- FT. OF THE RADIO ISOLATION UNIT. 19. INSTALLER TO PROVIDE ONE ADDITIONAL UNCONNECTED BLUE CAT5 CABLE WITH RJ45 CONNECTORS ON BOTH ENDS BETWEEN THE MCU LOCATION AND EACH ALERTING END POINT FOR NETWORK CONNECTIVITY.
- 20. BUTTONS AND SWITCHES \*4 SQUARE DEEP SINGLE GANG RING BOX \* MOUNTED
- \*6" 12" FROM DOOR FRAME \*3 /4" CONDUIT STUB UP ABOVE CEILING TO ACCESSIBLE CEILING SPACE. \*KEEP CLEAR OF OBSTRUCTIONS (TYPICAL)

## FIRST-IN FIRE STATION ALERTING

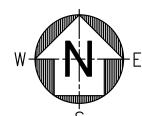
SYMBOL LEGEND

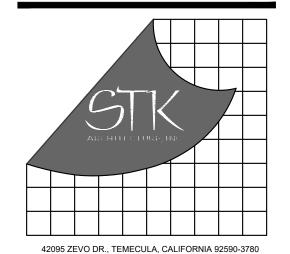
L		
	MCU	MASTER CONTROL UNIT
	DLSP	DATA LINE SURGE PROTECTOR
	TIM	TELEPHONE INTERFACE MODULE
	CR	CONTROL REMOTE
	RIU	RADIO ISOLATION UNIT
	AUX	AUXILLIARY MODULE
	PM UPS1	POWER MODULE WITH UPS-BLACK (DEDICATED 120V CIRCUIT REQUIRED.
	PM UPS2	POWER MODULE WITH UPS-BLUE (DEDICATED 120V CIRCUIT REQUIRED.
		HIGH-POWERED AMPLIFIED SPEAKER IN CONJUCTION WITH (HPA AMP)
	<b>©</b>	OUTSIDE SPEAKER — IN CONJUNCTION WITH (OSA)
	FSSL	CUSTOM BACKBOX PROVIDED BY WESTNET
	DR	DORM REMOTE BACKBOX PROVIDED WESTNET
	DLT	DORM LITE ACOUSTIC CEILING MOUNT KIT
	H	8x10x4 HOFFMAN BACKBOX
	①	ACOUSTIC CEILING KIT
	ACD	APPLIANCE CONTROL DEVICE
	RB	APPLIANCE RESET BUTTON
	CB	CHOW BUTTON
_	VDB	VIDEO DOORBELL
-	ASLA	ALERTING STROBE LIGHT ADAPTER
	B	EMERGENCY BUTTON
	HPA AMP 1	HIGH POWERED AMPLIFIER MODULE SINGLE
	HPA AMP 2	HIGH POWERED AMPLIFIER MODULE DUAL
	VDB GATE	VIDEO DOORBELL GATEWAY
	POE SWITCH	POWER ETHERNET SWTICH
Ī		

CONTRACTOR NOTE: 1. ALL DEVICES SHOWN FOR BACKBOX AND CONDUIT LOCATION ONLY. ALL EQUIPMENT AND CABLING TO BE PROVIDE AND INSTALL BY WESTNET. COORDINATE WITH WESTNET FOR EXACT LOCATION PRIOR TO START OF WORK.

OCATION OF DEVICE WALL

- CONDUIT ROUTING IS FOR REFERENCE ONLY. 3. CONDUIT INSTALLER PLACE PULL BOXES AS NEEDED.4. CONDUIT BENDS NOT TO EXCEED 360 DEGREES.
- 5. UNDERGROUND CONDUITS NOT PERMITTED.





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385 N. ARROWHEAD AVE. SAN BERNARDINO, CA 92415

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APN Part of 0154-281-01

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SHEET INFORMATION: STK PROJECT NO.: 374-193-24 AS NOTED DECEMBER 2024 DATE:

PLOT DATE:

DRAWING NAME:



**ALERT SYSTEM** FLOOR PLAN

SHEET NO.:

ALERT SYSTEM FLOOR PLAN

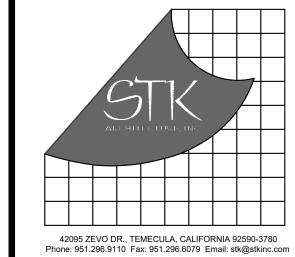
5 HIGH POWER AMPLIFIER. PROVIDE 10X10X4 BOX MOUNTED AT 10'-0" A.F.F. WITH 1" CONDUIT TO THE NEXT LOCATION. FIELD VERIFY EXACT LOCATION PRIOR TO START OF WORK.

6 PROVIDE ABOVE CEILING GRID JUNCTION BOX FOR APPLIANCE CONTROL DEVICE.

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

## GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.



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08-22-25 #2024-03417
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### **KEY NOTES**

- (1) 2" CONDUIT DOWN TO BATTERY ENERGY STORAGE SYSTEM BESS1" ON SITE BELOW FOR DC STRING WIRING. CONDUIT TO BE PLACED AS CLOSE AS PRACTICABLE TO SOLAR ARRAY TO CONCEAL STRING WIRING AS MUCH AS POSSIBLE FROM VIEW.
- (1) 2" CONDUIT ROUTED UNDER ROOF DECK OVER TO INTERIOR APPARATUS BAY WALL AND DOWN TO BELOW GRADE.
- (1) 2" BELOW GRADE OVER TO BATTERY ENERGY STORAGE SYSTEM BESS1' AS SHOWN.
- 4) 30kW/81kWH BATTERY ENERGY STORAGE SYSTEM 'BESS1'.
- 5 580W SOLAR PANEL MODULE MOUNTED DIRECTLY TO STANDING SEAM ROOF UTILIZING 'S5' CLAMPS.

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SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE: -

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SHEET TITL

PHOTOVOLTAIC ROOF PLAN

SHEET NO:

E2.4

