

CALCULATIONS & SCHEDULES

STANDARD NOTES & SPECIFICATIONS

BUILDING LOAD/SERVICE FEEDER CALCS table with columns for BUILDING/SITE, BUILDING PANEL LOADS, RECEPTACLES, FUTURE ON-SITE EVCS, HVAC, WATER HEATER, POOL PANEL, LOW VOLTAGE, TOTAL SERVICE DEMAND LOAD, TOTAL SERVICE DEMAND AMPS, SERVICE FEEDER AMPS.

BUILDING LOAD/FEEDER CALCULATIONS

Table for 'BP' calculations, including columns for NEW/EXISTING, VOLTAGE, BUS, LOAD DESCRIPTION, VOLT-AMPERES, and SUBTOTAL.

Table for 'M' calculations, including columns for NEW/EXISTING, VOLTAGE, BUS, LOAD DESCRIPTION, VOLT-AMPERES, and SUBTOTAL.

Table for 'EV' calculations, including columns for NEW/EXISTING, VOLTAGE, BUS, LOAD DESCRIPTION, VOLT-AMPERES, and SUBTOTAL.

BUILDING PANEL SCHEDULES

*POOL EQUIPMENT AND DESIGN SELECTION IS A DEFERRED SUBMITTAL. PANEL SCHEDULE FOR POOL EQUIPMENT SHALL BE PROVIDED BY OTHERS.

AVAILABLE FAULT CALCULATION - SWIM CLUB table with columns for L, R, EV, P, BP and values for APPROXIMATE DISTANCE, STARTING AFC VALUE, VOLTAGE, WIRE TYPE, WIRE SIZE, WIRE CONSTANT, and EQUIPMENT RATING.

AFC/AIC CALCULATIONS

THE INTERRUPTING RATING OF ALL EQUIPMENT IS BASED ON WORST-CASE UTILITY FAULT CONTRIBUTION. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL AFO VALUES...

Table with columns for LOAD, CIRCUIT TYPE, VOLTAGE, PHASE, CURRENT, PF, LENGTH IN FT, WIRE SIZE, WIRE TYPE, WIRE SETS, CONDUIT TYPE, ZEROS/1000FT, VOLTAGE DROP, and % DROP.

VOLTAGE DROP CALCULATIONS

VOLTAGE DROP IS BASED ON FURTHEST CIRCUIT FOR EACH LOAD TYPE. COMPLIANCE: ALL FEEDERS PLUS BRANCH CIRCUIT DO NOT EXCEED THE ALLOWED 5% TOL.

Table for 'P' calculations, including columns for NEW/EXISTING, VOLTAGE, BUS, LOAD DESCRIPTION, VOLT-AMPERES, and SUBTOTAL.

Table for 'L' calculations, including columns for NEW/EXISTING, VOLTAGE, BUS, LOAD DESCRIPTION, VOLT-AMPERES, and SUBTOTAL.

Table for 'R' calculations, including columns for NEW/EXISTING, VOLTAGE, BUS, LOAD DESCRIPTION, VOLT-AMPERES, and SUBTOTAL.

1.1 DESIGN CRITERIA

- GENERAL PROJECT INFORMATION
PROJECT SHALL CONFORM TO THE 2022 CEC, 2022 CEC, 2022 CEC, 2022 CEC REFERENCED STANDARDS, AND APPLICABLE LOCAL BUILDING DEPARTMENT STANDARDS.
DESIGN CRITERIA ARE AS FOLLOWS:

1.2 GENERAL NOTES

- SCOPE
THE PROJECT DOCUMENTS MAY NOT BE USED IN A LOCATION OTHER THAN THAT DESIGNATED ON THE DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
THIS IS A 'BUILDER'S SET' PRODUCED SOLELY FOR USE BY A KNOWLEDGEABLE AND EXPERIENCED CONTRACTOR.
THESE PLANS CONTAIN INFORMATION FOR GENERAL CONSTRUCTION AND BUILDING PERMIT PURPOSES ONLY. THEY ARE NOT EXTENSIVELY DETAILED NOR ARE COMPLETE CONSTRUCTION PROVIDED. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONSTRUCTION SHOWN ELSEWHERE WITHIN THE PLAN SET.

1.3 TYPICAL ABBREVIATIONS

Table of abbreviations with columns for ABBREVIATION, DESCRIPTION, and NOTES.

1.4 GENERAL ELECTRICAL NOTES

- LAYOUTS ARE A DIAGNOSTIC REPRESENTATION OF FIXTURE, SWITCHING AND EQUIPMENT LOCATIONS IN COMPLIANCE WITH CODE REQUIREMENTS. ACTUAL INSTALLATION MAY VARY DUE TO AS-BUILT CONDITIONS AND FIELD COORDINATION BETWEEN ALL DISCIPLINE CONTRACTORS AS REQUIRED.
THIS PROJECT WILL BE SOLAR STANDARD AND IS ACCOUNTED FOR IN ELECTRICAL DESIGN. REFER TO SOLAR PLANS (BY COORDINATE) WITH LOCAL UTILITY COMPANY FOR A/C VALUES. LETTER FOR SHORT CIRCUIT CURRENT VALUE FOR LOCAL UTILITY COMPANY SHALL BE AVAILABLE AT THE JOB SITE FOR INSPECTION.
REFER TO DRY UTILITY PLANS FOR ON-SITE CIRCUIT AND ROUTING/TERMINAL INFORMATION TO SITE FEATURES.
ALL FIRE HALL PENETRATIONS SHALL BE SEALED WITH APPROVED FIRE SEALANT. CONTRACTOR SHALL MAINTAIN FIRE RATING OF WALL AFTER INSTALLATION.

1.5 ELECTRICAL EQUIPMENT NOTES

- ELECTRICAL SWITCHGEAR (SWITCHBOARD/PCS)
MINIMUM AVAILABLE FAULT CURRENT (AFC) SHALL BE LEGIBLY MARKED IN THE FIELD ON ALL SERVICE EQUIPMENT (IN OTHER THAN SWELLING UNITS), AND SHALL INCLUDE DATE THE AFC CALCULATION WAS PERFORMED. PROVIDE ALL SERVICE EQUIPMENT RATED EQUAL OR GREATER THAN THE AVAILABLE FAULT CURRENT AT THE LINE TERMINALS OF THE EQUIPMENT.
ARC-FLASH HAZARD LABEL SHALL BE FIELD MARKED ON ALL EQUIPMENT AND PETER SOCKETS VISIBLY AND LEGIBLY. HAZARDING QUALIFIED PERSONS OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS, IN COMPLIANCE WITH CEC 100.9.
DEPTH OF WORKING SPACE FOR ELECTRICAL EQUIPMENT SHALL BE A MINIMUM OF 36", PER NEC 110.26(A)(1).
WIDTH OF WORKING SPACE FOR ELECTRICAL EQUIPMENT SHALL BE A MINIMUM OF 30", PER NEC 110.26(A)(2).
HEIGHT OF WORKING SPACE FOR ELECTRICAL EQUIPMENT SHALL BE A MINIMUM OF 6'-6" FROM FINISH FLOOR OR THE HEIGHT OF THE EQUIPMENT, WHICHEVER IS GREATER, PER NEC 110.26(A)(3).
DEDICATED ELECTRICAL SPACE FOR ELECTRICAL EQUIPMENT SHALL BE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTEND FROM FLOOR TO 6' ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER. THERE SHALL BE NO FOREIGN OBJECTS INSTALLED WITHIN THIS SPACE.
FOR SERVICE EQUIPMENT RATED 100A OR MORE, PROVIDE ENERGY REDUCTION MAINTENANCE SWITCH FOR MAIN BREAKER TO COMPLY WITH ARC FLASH REDUCTION REQUIREMENT. OTHER MEANS OF ARC FLASH REDUCTION NOTED IN NEC/CEC SHALL BE ALLOWED WITH APPROVAL FROM THE ENGINEER OF RECORD.
ALL EQUIPMENT SHALL BE UL LISTED AND BEAR THE UL LABEL OR LISTED/CERTIFIED BY NRTL.
MAIN BREAKER SHALL BE PERMANENTLY MARKED AS MAIN (SERVICE DISCONNECT) FOR SERVICE SHUT-OFF. IF AN ADDITIONAL SERVICE IS AVAILABLE IN A BUILDING OR STRUCTURE, EQUIPMENT SHALL HAVE AN ADDITIONAL LABEL WITH LOCATION OF OTHER SERVICE.

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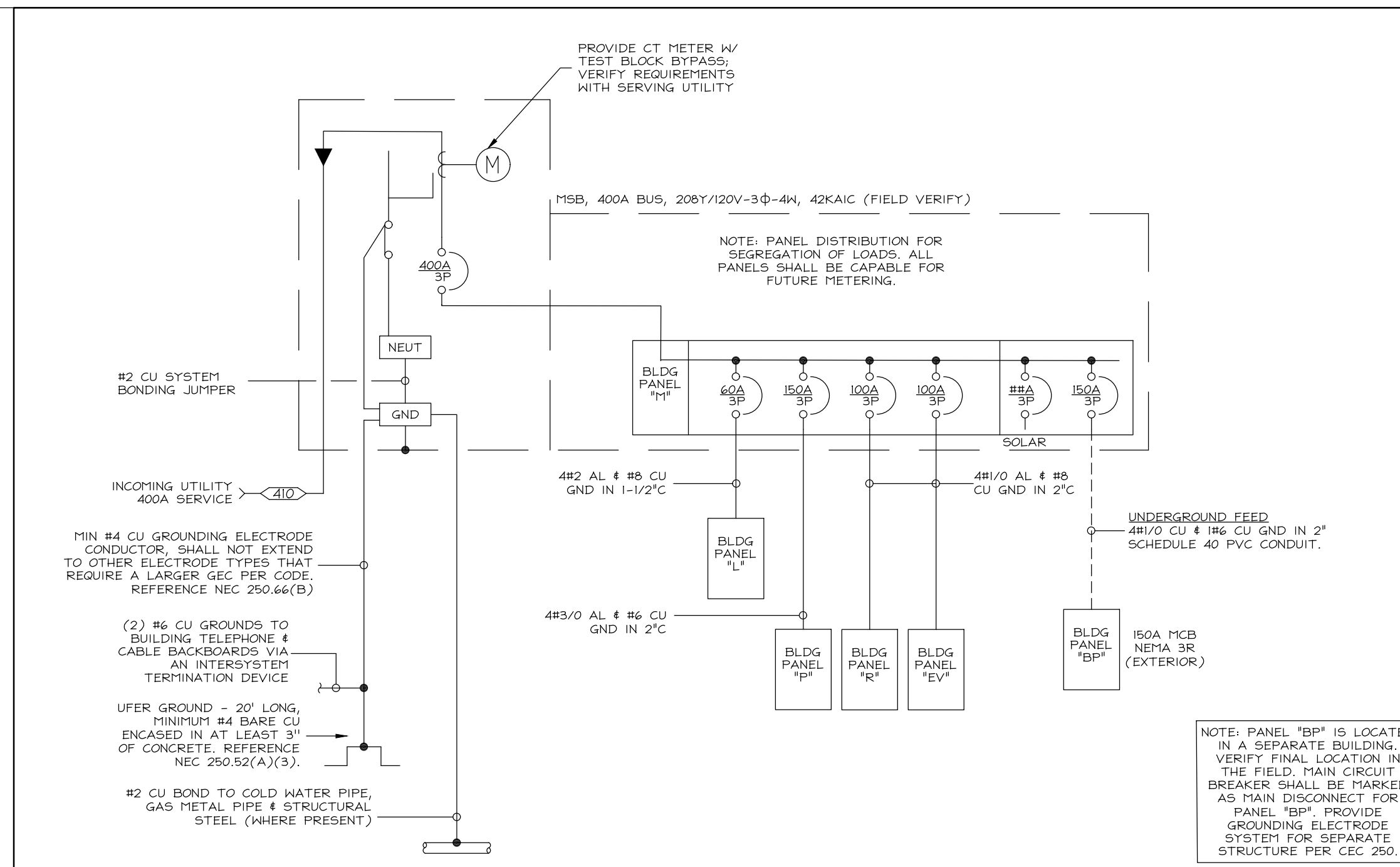
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CHULA VISTA, CA
HOMEDEF CORPORATION
1903 WILSON ROAD, SUITE 200
CARLSBAD, CA 92008

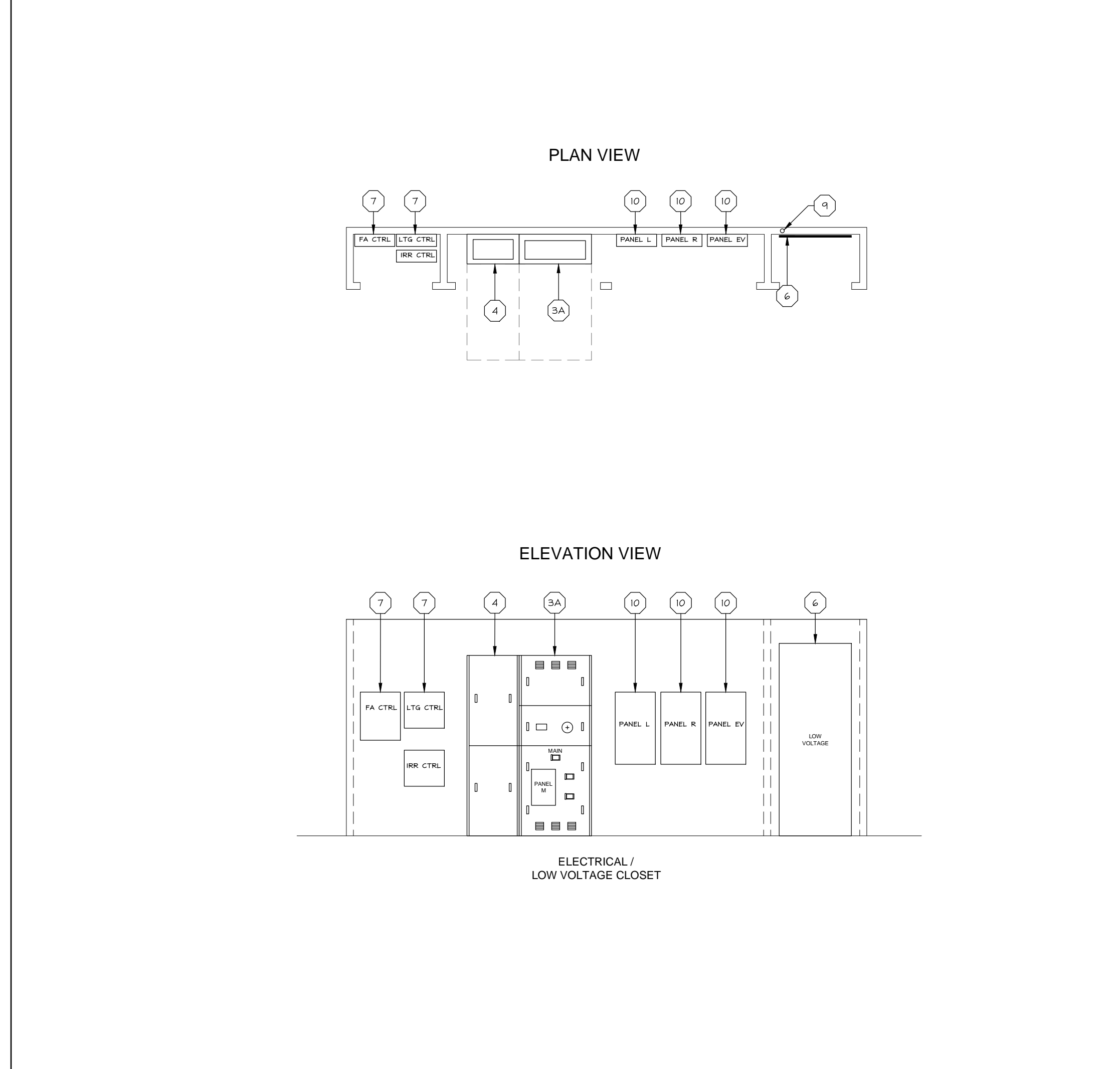
PROJECT INFORMATION: PROJECT MANAGER: AS, DESIGNER: AS, DRAWN BY: SAM, CHECKED BY: AS, ISSUE DATE: 01-13-2023, REVISIONS, STAMP: REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA, LICENSE NO. 50892, DATE: 01/13/2023

STANDARD NOTES AND LOAD CALCULATIONS
SCALE:
SHEET NUMBER:
EN.1
JOB NUMBER: HS22244

ONE-LINE'S AND CLOSET LAYOUTS



E1 | ONE-LINE DIAGRAM - SWIM CLUB



E2 | UTILITY CLOSET EQUIPMENT LAYOUT

SERVICE CONDUCTORS				
TAG	CONDUIT & CONDUCTOR SIZES			
<410>	(2) 28°C. W/ (4) # 250 KCMIL AL IN EACH			
<615>	(3) 28°C. W/ (4) # 250 KCMIL AL IN EACH			
<820>	(4) 28°C. W/ (4) # 250 KCMIL AL IN EACH			
<1020>	(3) 4°C. W/ (4) # 600 KCMIL AL IN EACH			
<1240>	(4) 4°C. W/ (4) # 500 KCMIL AL IN EACH			
<1500>	(6) 3°C. W/ (4) # 400 KCMIL AL IN EACH			

BRANCH CIRCUIT CONDUCTORS					
CIRCUIT CAPACITY	CONDUIT 2-WIRE	CONDUIT 3-WIRE	CONDUIT 4-WIRE	WIRE SIZE 1	GROUND SIZE 2
20A	3/4"	3/4"	3/4"	#12	#12
25A	3/4"	3/4"	3/4"	#10	#10
30A	3/4"	3/4"	3/4"	#10	#10
35A	3/4"	3/4"	3/4"	#10	#10
40A	3/4"	3/4"	3/4"	#8	#10
45A	3/4"	3/4"	3/4"	#6	#10
50A	3/4"	3/4"	1"	#6	#10
60A	3/4"	1"	1-1/4"	#4	#10
70A	1"	1"	1-1/4"	#4	#8
80A	1"	1-1/4"	1-1/4"	#3	#8
90A	1"	1-1/4"	1-1/4"	#2	#8
100A	1-1/4"	1-1/4"	1-1/2"	#1	#8
150A	1-1/4"	1-1/4"	1-1/2"	#1	#6
200A	1-1/4"	1-1/4"	1-1/2"	#1	#6

1 WIRE SIZE IS BASED ON CEC TABLE 310.16. CONDUCTORS ARE ALL COPPER TYPE. ALL CIRCUITS 100A AND LOWER ARE SIZED FROM 40°C COLUMN AND CIRCUITS GREATER THAN 100A ARE SIZED FROM 75°C COLUMN.

2 GROUND SIZE IS BASED ON THE EQUIPMENT GROUNDING CONDUCTOR USING CEC TABLE 250.122

NOTES:

- CIRCUITS DO NOT USE THE ALLOWANCES STATED UNDER CEC 240.4(B). ALL CONDUCTORS ARE FULLY RATED FOR THE BREAKER.
- CONDUITS SHALL NOT EXCEED 40% FILL USING THE SELECTED CONDUIT TYPE. INTERIOR DIAMETER FOR CONDUIT CHANGED BASED ON CONDUIT TYPE.
- TABLE SHALL NOT BE USED FOR TAPS OR OTHER DE-RATING REQUIREMENTS.
- VOLTAGE DROP IS NOT CONSIDERED PART OF THE TABLE.
- WIRE AND CONDUIT SIZE ARE BASED ON A SINGLE SET.

ELECTRICAL EQUIPMENT KEYNOTES	
3	BUILDING METER/HAIN WITH DISTRIBUTION (NOT TO EXCEED 24" DEPTH AND 36" WIDTH)
4	FULL BOX (MAX 24" SECTION)
6	LOW VOLTAGE BACKBOARD / CABINET(S)
7	IRRIGATION CONTROLLER / FIRE ALARM CONTROL PANEL (WHERE OCCUR)
10	PANELBOARD (20" SECTION)

SEE ARCHITECTURAL PLANS FOR SPECIFIC CLOSET DIMENSIONS AND LOCATION / ORIENTATION OF UTILITY CLOSET(S) PER THE SITE PLAN.

TYPICAL CLEARANCE REQUIREMENTS:
EQUIPMENT INSIDE CLOSET - MIN 4" FROM SIDE WALL AND MIN 24" INTERIOR CLOSET DEPTH.
SERVICE CLEARANCE AT ALL EQUIPMENT - MIN 30" X 36" WITH A LEVEL WORKING SURFACE AT CLOSET; CLEARANCE REQUIRED WITH DOORS OPEN 90° OR MORE.
* VERIFY SERVING UTILITY REQUIREMENTS PRIOR TO INSTALLATION

ELECTRICAL SYMBOLS LEGEND	
⊕	GFI QUADPLEX RECEPTACLE, PROVIDE (2) FOR TELECOMMUNICATIONS BACKBOARD / BACKBOARD
⊕	GFI DUPLEX RECEPTACLE, PROVIDE (2) FOR IRRIGATION CONTROLLER & FIRE ALARM CONTROL PANEL (WHERE OCCURS)
⊕	SWITCH
⊕	SURFACE MOUNT LED LIGHT WITH 90 MINUTE BATTERY BACKUP
⊕	4'-0" LONG SURFACE MOUNT LED STRIP LIGHTS WITH 90 MINUTE BATTERY BACKUP

NOTE: ALL RECEPTACLES AND LIGHTING LOCATED IN UTILITY CLOSET TO BE HIRED TO THE BUILDING PANEL.

FOR JURISDICTION USE:

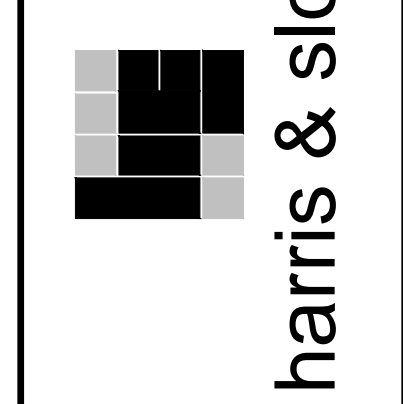
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CHULA VISTA, CA

HOMEFIELD CORPORATION
1803 WILLOW CREEK, SUITE 200
CARLSBAD, CA 92008

PROJECT: CLIENT:

PROJECT MANAGER: AS
DESIGNER: AS
DRAWN BY: SAM
CHECKED BY: AS
ISSUE DATE: 01-13-2023

REVISIONS:

STAMP:

PLAN NUMBER:

SHEET TITLE:

SCALE:

SHEET NUMBER:

ONE-LINE AND CLOSET LAYOUTS

EN.2

JOB NUMBER: HS22244

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
12545
01/13/2024
HARRIS & SLOAN

SCHEDULES

Table with 12 columns: FIXTURE TAG, DESCRIPTION, LUMEN OUTPUT, KELVIN TEMP, LAMP, CRI, VOLTAGE, WATTAGE, DIMMING, MOUNTING, MANUFACTURER, CATALOG #, EQUIVALENT, COMMENTS. Contains 17 rows of fixture specifications.

BUILDING LUMINAIRE SCHEDULE

LIGHTING CONTROL NARRATIVE

GENERAL CONTROL REQUIREMENTS
1. BUILDING TIMELOCK SHALL BE SET PER OWNERS PREFERENCE.
2. ALL CONTROL DEVICES SHALL BE LOW VOLTAGE AND SHALL COMMUNICATE TO HEAD END LIGHTING CONTROL PANEL VIA GATEWAY, BRIDGE, OR POWER RACK DEVICES.

CONDUIT & WIRE/CABLE NOTES

1. CONDUIT ROUTING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
2. CONTRACTOR IS RESPONSIBLE FOR SUPPORTING AND SECURING ALL CONDUITS AND CABLES PER CODE.
3. ALL CONDUIT SHALL BE INSTALLED CONCEALED UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT.

NOTES

1. PROVIDE A HIRED N-LIGHT DISTRIBUTED LIGHTING CONTROL SYSTEM OR EQUIVALENT THAT SHALL CONTROL THE MAIN HEAD END CONTROLLER SHALL HAVE A BUILT-IN ASTRONOMICAL TIME CLOCK TO PROVIDE AUTOMATIC SHUT-OFF FOR EXTERIOR LIGHT CONTROLS SHALL BE CAPABLE OF DEMAND RESPONSE, COORDINATE REQUIREMENT WITH MAIN

INTERIOR DESIGNER AND CLIENT TO MAKE SELECTION FIELD COORDINATE FINAL LENGTH. FIXTURES SHALL NOT BE MOUNTED BELOW 8' AFF. INTERIOR DESIGNER AND CLIENT TO MAKE SELECTION FIELD COORDINATE FINAL LENGTH. FIXTURES SHALL NOT BE MOUNTED BELOW 8' AFF. BATTERY BACKUP FOR EMERGENCY FIXTURES WITH CONSTANT HOT

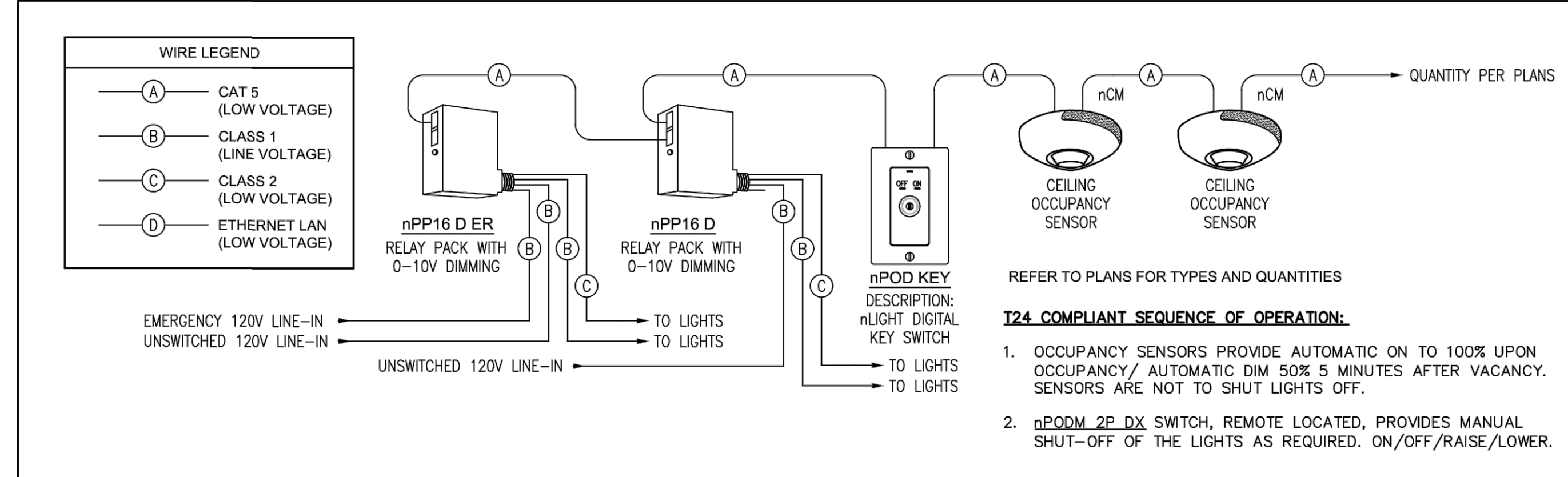
UNDERGROUND NOTES

1. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC. WHERE INSTALLED UNDER DRIVEWAYS/ROADS, PROVIDE SCHEDULE 80 PVC.
2. CONDUIT SHALL BE 1/2" OR DUAL RATED THINWALL.

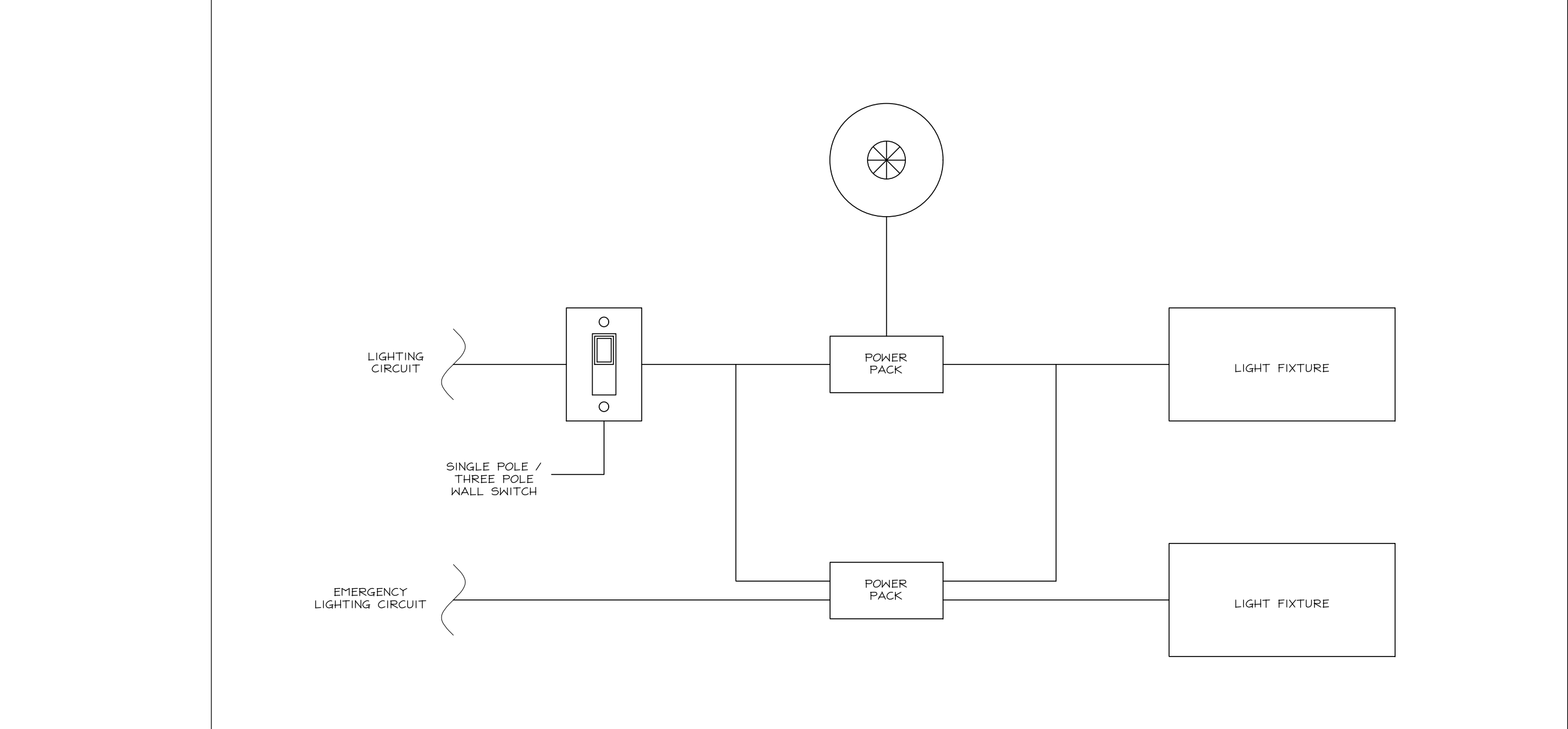
MECHANICAL NOTES

1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND APPLIANCE INSTALLER. ALL CONDUIT THROUGH-IN, TO VERIFY BREAKER AND WIRE SIZE FOR RESPECTIVE EQUIPMENT. ELECTRICIAN SHALL MAKE NECESSARY ADJUSTMENTS TO SATISFY NEC REQUIREMENTS.

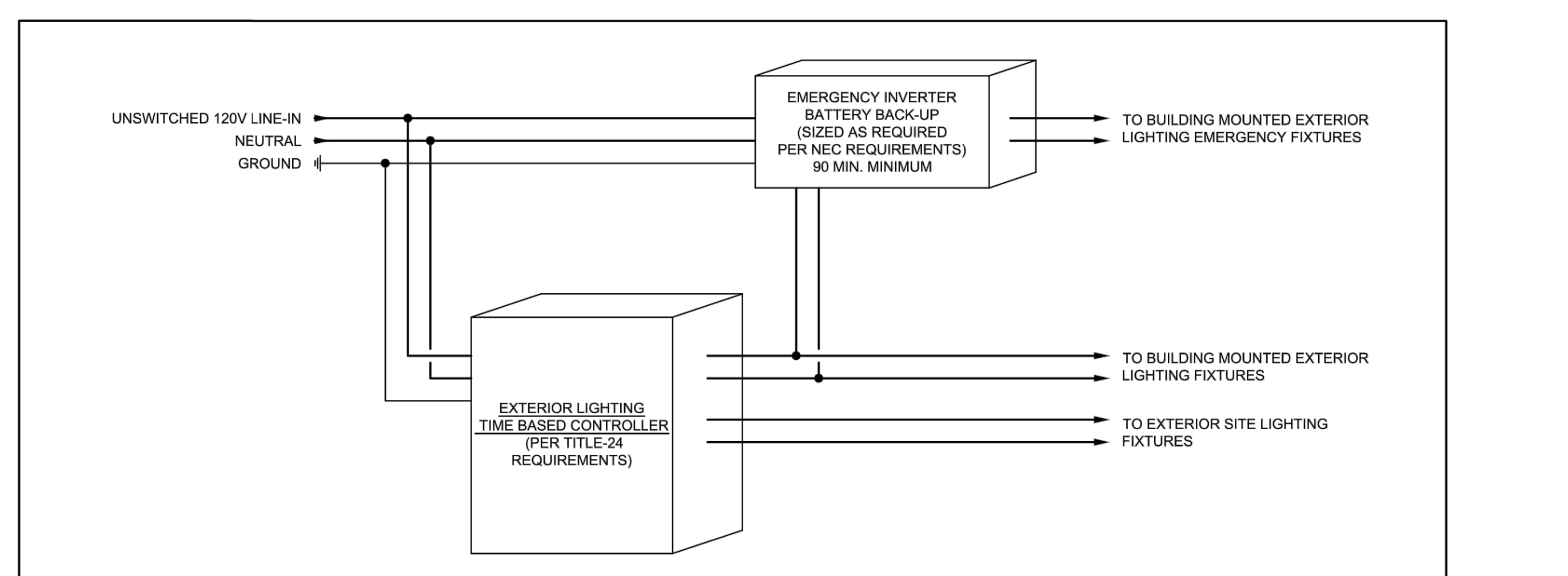
EV NOTES
1. ALL FUTURE EV CHARGERS SHALL HAVE THE PANEL DIRECTORY BREAKER SPACE AND RACEWAY TERMINATION POINT PERMANENTLY AND VISIBLY MARKED AS EV CAPABLE.
2. RACEWAY SHALL BE NOT LESS THAN TRADE SIZE 1" (NOMINAL I.D. INSIDE DIAMETER) TO ACCOMMODATE A DEDICATED 208/240-VOLT BRANCH CIRCUIT.



1 TYPICAL INTERIOR LIGHTING CONTROL DIAGRAM (SCALE: NONE)



3 TYPICAL INTERIOR EMERGENCY LIGHTING CONTROL DIAGRAM (SCALE: NONE)



2 TYPICAL EXTERIOR LIGHTING CONTROL DIAGRAM (SCALE: NONE)

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PROJECT: COTA VERA SWIM CLUB, CHULA VISTA, CA
CLIENT: HOMEDEF CORPORATION, 1905 WILLOW CREEK, SUITE 200, CARLSBAD, CA 92008

PROJECT MANAGER: AS
DESIGNER: AS
DRAWN BY: SAM
CHECKED BY: AS
ISSUE DATE: 01-13-2023
REVISIONS:

POWER NOTES
1. ALL 120V RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, OUTDOORS, CRAVE SPACES, BASEMENTS, KITCHENS (SERVICING COUNTER SPACE), & WITHIN A SINK/SHOWER/TUB, BATHHOUSES, LAUNDRY AREAS AND INDOOR DAMP/PANET LOCATIONS SHALL BE GFCI.

Professional Engineer Seal for Steven J. Singh, State of California, License No. 53224. Includes project title: FIXTURE SCHEDULES, DETAILS, NOTES. Scale: AS. Sheet number: EN.3. Job number: HS22244.

STATE OF CALIFORNIA
Indoor Lighting
 NRCCLT-14 (Created 03/21)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 (This document is used to demonstrate compliance with requirements in §110.5, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.)

Project Name: COTA VERA SWIM CLUB - POOL BLDG
 Project Address: CHULA VISTA, CALIFORNIA
 Report Page: Page 1 of 7
 Date Prepared: 12/04/2023

A. GENERAL INFORMATION

01 Project Location (city)	CHULA VISTA, CALIFORNIA	04 Total Conditioned Floor Area (ft ²)	0
02 Climate Zone	7	05 Total Unconditioned Floor Area (ft ²)	1,625
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1
<input type="checkbox"/> Office	<input type="checkbox"/> Retail	<input type="checkbox"/> Warehouse	<input type="checkbox"/> Hotel/Motel
<input type="checkbox"/> Parking Garage	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Relocatable	<input type="checkbox"/> Healthcare
			<input checked="" type="checkbox"/> School
			<input checked="" type="checkbox"/> Support Areas
			<input type="checkbox"/> Other (write in): POOL BUILDING

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	01	02	03	04	05
My Project Consists of (check all that apply):		Calculation Method	Area (ft ²)	Calculation Method	Area (ft ²)
<input checked="" type="checkbox"/> New Lighting System				Area Category	1,625
<input type="checkbox"/> Altered Lighting System					
Total Area of Work (ft²)					1,625

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	Allowed Lighting Power per §140.6(a) (Watts)					Adjusted Lighting Power per §140.6(a) (Watts)			Compliance Results
	01	02	03	04	05	06	07	08	
Complete Building §140.6(c)1	Area Category §140.6(c)2	Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	Total Allowed	Total Designed (Watts)	PAF Control Credits §140.6(a)2 (-)	Total Adjusted (Watts) *Includes Adjustments	05 Must be >= 08 §140.6	
(See Table I)	(See Table I)	(See Table J)	(See Table K)	=	≥	=	=		
Conditioned:									
Unconditioned:	820			820	≥	541	541	COMPLIES	

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> March 2021

STATE OF CALIFORNIA
Indoor Lighting
 NRCCLT-14 (Created 03/21)
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CERTIFICATE OF COMPLIANCE
 (This document is used to demonstrate compliance with requirements in §110.5, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.)

Project Name: COTA VERA SWIM CLUB - POOL BLDG
 Project Address: CHULA VISTA, CALIFORNIA
 Report Page: Page 2 of 7
 Date Prepared: 12/04/2023

Controls Compliance (See Table H for Details)

Rated Power Reduction Compliance (See Table Q for Details)

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H Indoor Lighting Controls Permit Applicant Notes:
 RESTROOM: RESTROOMS WITH AUTO CONTROL EQUIPMENT SPACE: AUTO OFF MAY BE HAZARD AND LESS THAN .5W/SQFT

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

SITE LIGHTING INCLUDING THE BUILDING FACADE LIGHTS WILL BE SUBMITTED SEPARATELY. ALL FIXTURES SHOWN IN FIXTURE SCHEDULE ARE NOT INCLUDED IN THIS FORM.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Unconditioned Spaces

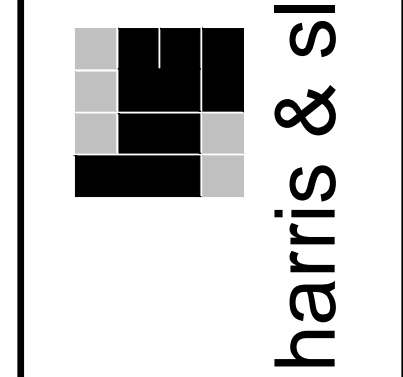
01	02	03	04	05	06	07	08	09
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change					
D1	4" LED DOWNLIGHT	<input type="checkbox"/>	<input type="checkbox"/>	11	Mfr. Spec ²	0		
D3	6" LED DOWNLIGHT	<input type="checkbox"/>	<input type="checkbox"/>	16	Mfr. Spec ²	18		
P1	ARCH LED LINEAR PENDANT	<input type="checkbox"/>	<input type="checkbox"/>	54	Mfr. Spec ²	0		
S4	LED STRIP LIGHT	<input type="checkbox"/>	<input type="checkbox"/>	30	Mfr. Spec ²	8		
D5	7" LED PUCK LIGHT	<input type="checkbox"/>	<input type="checkbox"/>	13	Mfr. Spec ²	1		
				Total Designed Watts UNCONDITIONED SPACES:		541		

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment; the permit applicant should enter full rated wattage in column 05.
² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> March 2021

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COTA VERA SWIM CLUB
 CHULA VISTA, CA
 HOMEFEEED CORPORATION
 1803 WILLOW CREEK SUITE 200
 CARLSBAD, CA
 92008

PROJECT MANAGER: AS
 DESIGNER: AS
 DRAWN BY: SAM
 CHECKED BY: AS
 ISSUE DATE: 01-13-2023
 REVISIONS:

PROJECT: POOL BLDG
 CLIENT: TITLE 24 INDOOR LIGHTING FORMS



PLANNING NUMBER: POOL BLDG
 SHEET TITLE: TITLE 24 INDOOR LIGHTING FORMS

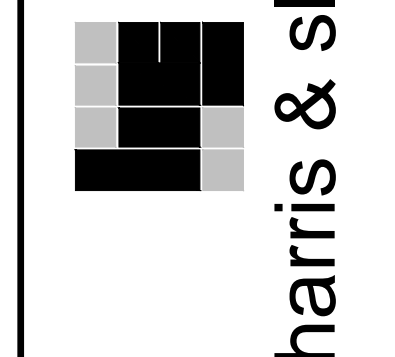
SCALE:
 SHEET NUMBER:
EN.4
 JOB NUMBER: HS22244

STATE OF CALIFORNIA Indoor Lighting MCC 11.8 (Revised 03/24)		CALIFORNIA ENERGY COMMISSION NICCCLT1-8	
CERTIFICATE OF COMPLIANCE			
Project Name:	COTA VERA SWIM CLUB - OFFICE BLDG	Report Page:	Page 3 of 3
Project Address:	CHULA VISTA, CALIFORNIA	Date Prepared:	12/04/2023
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name:	ANNIEY SAMRA	Documentation Author Signature:	
Company:	HARRIS & SLOAN	Signature Date:	12/04/2023
Address:	2285 GATEWAY OAKS DRIVE, SUITE 200	CA/HSR Certification Identification (if applicable):	
City/State/Zip:	SACRAMENTO, CA 95833	Phone:	559-916-0330
RESPONSIBLE PERSON'S DECLARATION STATEMENT			
I certify the following under penalty of perjury, under the laws of the State of California:			
1. The information provided on this Certificate of Compliance is true and correct.			
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).			
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.			
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, plans and specifications submitted to the enforcement agency for approval with this building permit application.			
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.			
Responsible Designer Name:	ANNIEY SAMRA	Responsible Designer Signature:	
Company:	HARRIS & SLOAN	Date Signed:	12/04/2023
Address:	2285 GATEWAY OAKS DRIVE, SUITE 200	Phone:	559-916-0330
City/State/Zip:	SACRAMENTO, CA 95833	Phone:	559-916-0330
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards March 2021			

FOR JURISDICTION USE:

Sacramento
Aliso Viejo
San Ramon

Structural
Mechanical
Electrical
Plumbing
Energy



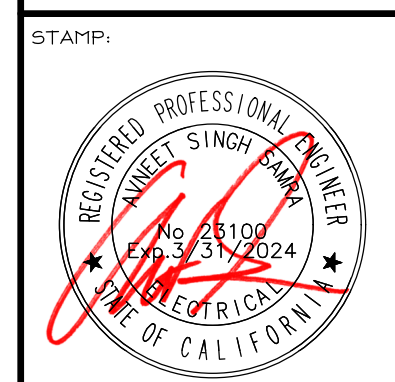
www.harrisandsloan.com
toll free 800.877.1430

PROJECT: COTA VERA SWIM CLUB
CHULA VISTA, CA

CLIENT: HOMEFED CORPORATION
1803 WILLOW CREEK SUITE 200
OAKLAND, CA 94612

PROJECT MANAGER: AS
DESIGNER: AS
DRAWN BY: SAM
CHECKED BY: AS
ISSUE DATE: 01-13-2023

REVISIONS:



PROJECT: OFFICE BLDG
SHEET TITLE: TITLE 24 INDOOR LIGHTING FORMS

SCALE:
SHEET NUMBER:
EN.5
JOB NUMBER: HS22244

TITLE 24 COMPLIANCE

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 03/21) CERTIFICATE OF COMPLIANCE Project Name: COTA VERA SWIM CLUB - POOL BLDG Report Page: Page 1 of 7 Project Address: CHULA VISTA, CALIFORNIA Date Prepared: 12/04/2022

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards March 2021

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 03/21) CERTIFICATE OF COMPLIANCE Project Name: COTA VERA SWIM CLUB - POOL BLDG Report Page: Page 4 of 7 Project Address: CHULA VISTA, CALIFORNIA Date Prepared: 12/04/2022

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards March 2021

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 03/21) CERTIFICATE OF COMPLIANCE Project Name: COTA VERA SWIM CLUB - POOL BLDG Report Page: Page 5 of 7 Project Address: CHULA VISTA, CALIFORNIA Date Prepared: 12/04/2022

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards March 2021

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 03/21) CERTIFICATE OF COMPLIANCE Project Name: COTA VERA SWIM CLUB - POOL BLDG Report Page: Page 6 of 7 Project Address: CHULA VISTA, CALIFORNIA Date Prepared: 12/04/2022

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards March 2021

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 03/21) CERTIFICATE OF COMPLIANCE Project Name: COTA VERA SWIM CLUB - POOL BLDG Report Page: Page 1 of 7 Project Address: CHULA VISTA, CALIFORNIA Date Prepared: 12/04/2022

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards March 2021

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 03/21) CERTIFICATE OF COMPLIANCE Project Name: COTA VERA SWIM CLUB - POOL BLDG Report Page: Page 2 of 7 Project Address: CHULA VISTA, CALIFORNIA Date Prepared: 12/04/2022

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards March 2021

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 03/21) CERTIFICATE OF COMPLIANCE Project Name: COTA VERA SWIM CLUB - POOL BLDG Report Page: Page 3 of 7 Project Address: CHULA VISTA, CALIFORNIA Date Prepared: 12/04/2022

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards March 2021

FOR JURISDICTION USE:

Sacramento Structural Mechanical Electrical Plumbing Energy

harris & sloan

COTA VERA SWIM CLUB CHULA VISTA, CA

HOMEEED CORPORATION 1803 WILSON ROAD, CA 92008

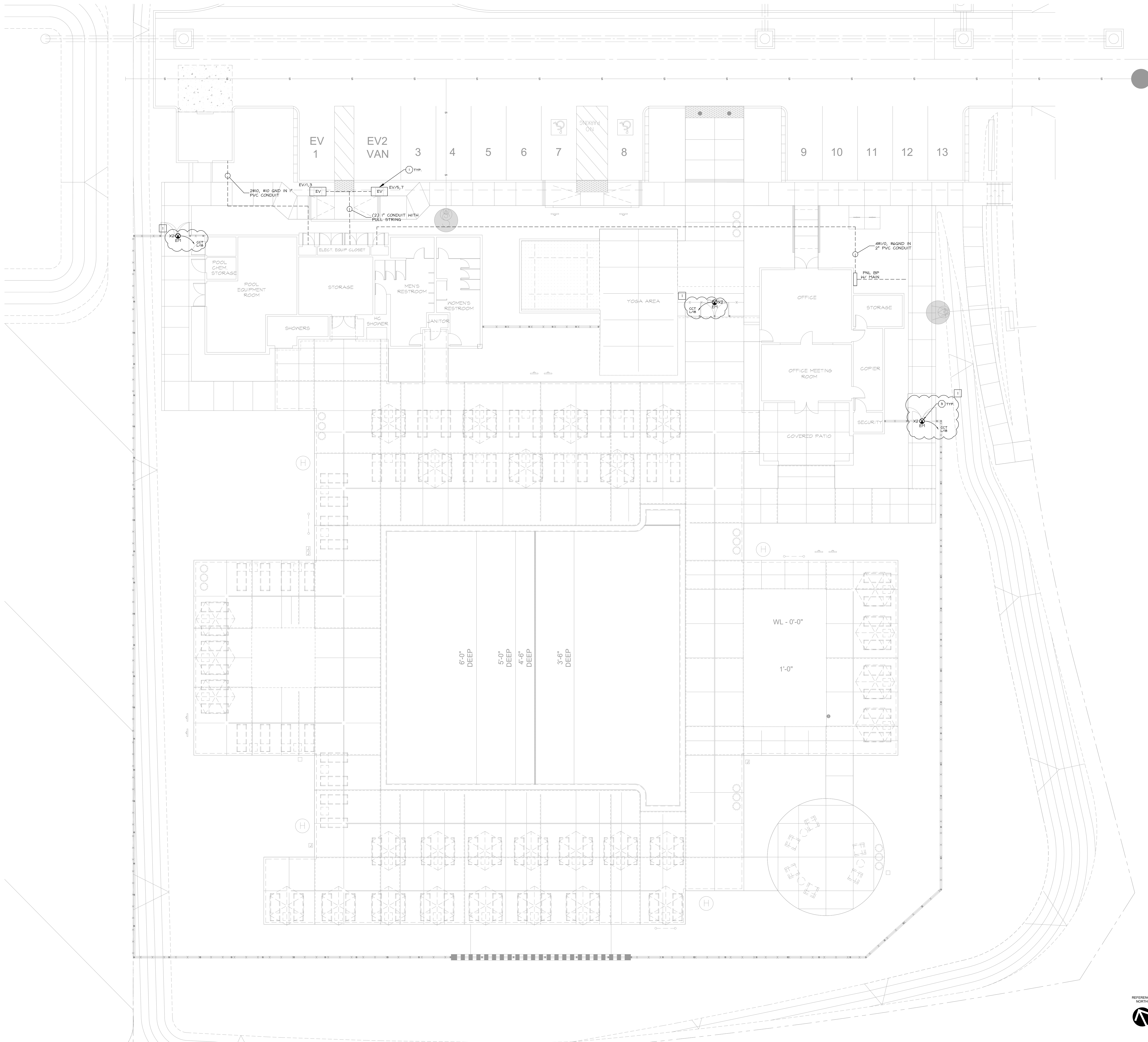
PROJECT MANAGER: AS DESIGNER: AS DRAWN BY: SAJM CHECKED BY: AS ISSUE DATE: 01-13-2023 REVISIONS:

REGISTERED PROFESSIONAL ENGINEER

POOL BLDG TITLE 24 INDOOR LIGHTING FORMS

SCALE: SHEET NUMBER: EN.6

JOB NUMBER: HS22244



GENERAL NOTES

- IT IS THE CONTRACTOR'S/OWNER'S/DEVELOPER'S RESPONSIBILITY TO REVIEW ALL NOTES AND DETAILS ON THE EN SHEETS AND INCORPORATE IN THE CONSTRUCTION OF THE STRUCTURE.
- PRIOR TO BUILDING DEPARTMENT APPROVAL, THESE CONSTRUCTION DOCUMENTS ARE SUBJECT TO CHANGE AND SHALL NOT BE USED FOR CONSTRUCTION. ANY CONSTRUCTION BIDS PERFORMED BEFORE PERMIT ISSUANCE IS THE RESPONSIBILITY OF THE CONTRACTOR/BIDDER.

PROJECT SPECIFICATIONS

COMPONENTS SHOWN IN PLANS SHALL BE CIRCUITED TO DESIGNATED PANEL. ANY DEVIATION FROM ASSIGNED CIRCUITS SHALL BE APPROVED BY ENGINEER AND AS-BUILT FOR FINAL RECORD SET.

ELECTRICAL EQUIPMENT:
ELECTRIC SERVICE / EQUIPMENT ARE LOCATED IN A UTILITY CLOSET/LOCATOR EXTERIOR OF BUILDING.

EXTERIOR LIGHTING:
WHERE SITE LIGHTING IS PROVIDED BY FIXTURE(S) ATTACHED TO THE BUILDING, SEE LIGHTING / PHOTOMETRIC PLAN (BY OTHERS) FOR FIXTURE SPECIFICATIONS AND LOCATIONS AT EACH BUILDING.

KEYNOTES

- PROVIDE UNDERGROUND JUNCTION BOX PER CEC 314. COORDINATE FINAL LOCATION AND LANDSCAPE.
- POLE LIGHT TO BE MOUNTED ON EXTERIOR GATE, COORDINATE WITH OTHER TRADES BEFORE FINAL INSTALL.

SYMBOLS LEGEND

NOTATION DEFINITIONS:

- AFF → ABOVE FINISH FLOOR
- BP → BUILDING PANEL
- CCT → CIRCUIT
- EV → ELECTRICAL VEHICLE
- MS → MOTION SENSOR
- PC → PHOTOCELL
- WP → WEATHER PROOF

SYMBOLS:

- ⊠ → JUNCTION BOX
- ⊞ → DUPLEX WALL RECEPTACLE, GFI PROTECTED
- ⊞ → SINGLE WALL SWITCH
- ⊞ → HALL-MOUNT LIGHT FIXTURE
- ⊞ → CEILING-MOUNT LIGHT FIXTURE
- ⊞ → CEILING-MOUNT UTILITY FIXTURE
- ⊞ → POLE LIGHT WITH ARM
- ⊞ → LUMINOUS POLE LIGHT
- ⊞ → POST-TOP LIGHT
- ⊞ → BOLLARD

FOR JURISDICTION USE:

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Sacramento
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San Ramon

harris & sloan toll free 800.877.1430
www.harrisandsloan.com

COTA VERA SWIM CLUB
CHULA VISTA, CA

HOMEFEE CORPORATION
1963 WILMINGTON PARK, SUITE 200
CARLSBAD, CA 92008

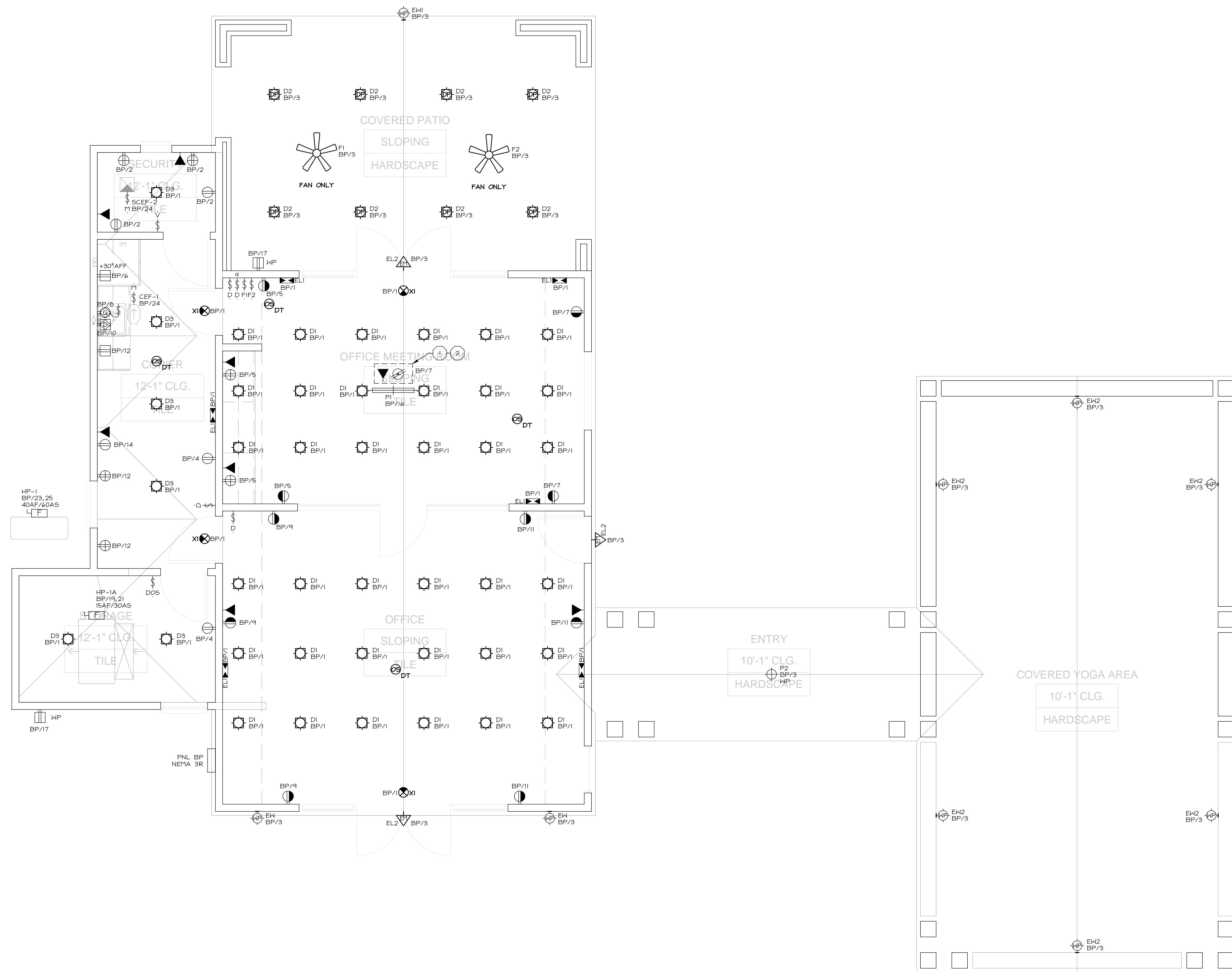
PROJECT: PROJECT MANAGER: AS
DESIGNER: AS
DRAWN BY: SAM
CHECKED BY: AS
ISSUE DATE: 01-13-2023

REVISIONS:
[1] PLAN CHECK 05-03-2023
[2] PLAN CHECK 05-26-2023

STAMP:
REGISTERED PROFESSIONAL ENGINEER
PROJECT: COTA VERA SWIM CLUB
NO. 23100
Exp. 03/31/2024
ELECTRICAL
STATE OF CALIFORNIA

PLAN NUMBER:
SHEET TITLE:
ELECTRICAL SITE LAYOUT

SCALE: 1" = 10'-0"
SHEET NUMBER:
ES.1
JOB NUMBER: HS22244



GENERAL NOTES

- IT IS THE CONTRACTOR'S/OWNER'S/DEVELOPER'S RESPONSIBILITY TO REVIEW ALL NOTES AND DETAILS ON THE EN SHEETS AND INCORPORATE IN THE CONSTRUCTION OF THE STRUCTURE.
- PRIOR TO BUILDING DEPARTMENT APPROVAL, THESE CONSTRUCTION DOCUMENTS ARE SUBJECT TO CHANGE AND SHALL NOT BE USED FOR CONSTRUCTION. ANY CONSTRUCTION BIDS PERFORMED BEFORE PERMIT ISSUANCE IS THE RESPONSIBILITY OF THE CONTRACTOR/BIDDER.

PROJECT SPECIFICATIONS

ELECTRICAL EQUIPMENT:
ELECTRIC AND LOW VOLTAGE SERVICES / EQUIPMENT ARE LOCATED IN A UTILITY CLOSET OR IN EXTERIOR HALL AT THE END OF THE BUILDING, SEE BUILDING PLANS FOR LOCATION(S) AND COORDINATE WITH ARCHITECTURAL SITE PLAN.

MECHANICAL EQUIPMENT:
CONDENSING UNITS ARE LOCATED ON THE GROUND AT THE END OF THE BUILDING / OR THE ROOF, COORDINATE WITH ARCHITECTURAL SITE PLAN FOR LOCATION(S). PROVIDE DISCONNECT AND SERVICE OUTLET, SEE SHEET EN1 SECTION 1.5 FOR GENERAL REQUIREMENTS.

EXTERIOR LIGHTING:
WHERE SITE LIGHTING IS PROVIDED BY FIXTURE(S) ATTACHED TO THE BUILDING, SEE LIGHTING / PHOTOMETRIC PLAN (BY OTHERS) FOR FIXTURE SPECIFICATIONS AND LOCATIONS AT EACH BUILDING.

SOLAR:
SOLAR PANELS PROVIDED ON ROOF, LOCATION VARIES BASED ON ORIENTATION OF STRUCTURE, SEE SOLAR PLANS PROVIDED BY OTHERS FOR LOCATION AND COORDINATE SOLAR SYSTEM INTERFACE REQUIREMENTS.

EXTERIOR LAYOUT NOTES

- ALL FIXTURES SHOWN IN BUILDING LAYOUTS ARE TO BE WIRED TO THE BUILDING PANELS, AND:
- WIRE CONDENSING UNITS TO THE UNIT SUB-PANEL AND PROVIDE A MEANS OF CIRCUIT INTERRUPT WITHIN SIGHT OF AND NOT OVER 50' FROM THE CONDENSING UNIT PER CPC. SEE DETAIL E221.2. A HEATER-RESISTANT GFCI PROTECTED SERVICE RECEPTACLE SHALL BE LOCATED WITHIN 25' OF CONDENSING UNIT. WHERE CONDENSING UNITS ARE GROUPED AT THE SIDE OF A BUILDING OR ON THE ROOF, A SINGLE COPPER RECEPTACLE WITHIN 25' CAN BE USED TO SERVICE MULTIPLE CONDENSING UNITS. IF PROVIDED, WIRE COPPER RECEPTACLE TO THE BUILDING PANEL. COORDINATE LOCATION OF DISCONNECT AND SERVICE RECEPTACLE WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.
- ILLUMINATED ADDRESS LIGHTS SHALL COMPLY WITH ADDRESS IDENTIFICATION REQUIREMENTS PER ARCHITECTURAL PLANS.

KEYNOTES

- PROVIDE COOPERATION POWER/DATA FLOOR BOX, ARCHITECT TO PROVIDE FINAL LOCATION.
- ROUTE CONDUITS FOR COOPERATION FLOOR BOX PRIOR TO SLAB POUR. CONDUIT/WIRING SHALL ROUTED AND DROP DOWN THROUGH NEAREST HALL WITH UNDERGROUND RUN TO FLOOR LOCATION.
- REFER TO EN SHEETS FOR POWER AND LIGHTING LAYOUT(S) AT UTILITY CLOSET(S).

SYMBOLS LEGEND

NOTATION DEFINITIONS:	
3	3-WAY
APF	ABOVE FINISH FLOOR
D/DOS	DIFFER/DIFFER W/ OCCUPANCY SENSOR
DP/HP	DAMP PROOF OR HEATHER PROOF
DT	DUAL TECHNOLOGY
IR	INFRARED
M	MOTOR RATED SWITCH
OS	OCCUPANCY SENSOR
PC	PHOTOCELL
US	ULTRASONIC
V	VACANCY SENSOR
WP	WEATHER PROOF
KEY	AUTHORIZED KEY LIGHT SWITCH
TC	TIMELOCK
EMER	EMERGENCY
NL	NIGHT LIGHT
LV	LOW VOLTAGE

SYMBOLS	
[Symbol]	DUPLICATE RECEPTACLE
[Symbol]	AFCI LOCATIONS, SEE SHEET EN1 SECTION 1.5
[Symbol]	HALF-SWITCHED DUPLICATE RECEPTACLE
[Symbol]	AFCI LOCATIONS, SEE SHEET EN1 SECTION 1.5
[Symbol]	USB AND DUPLICATE CO2/NO RECEPTACLE
[Symbol]	LEBRAND FITTING/AC/DC OR EQUIVALENT
[Symbol]	ABOVE-COUNTER DUPLICATE RECEPTACLE (AFCI/GFI)
[Symbol]	DISHWASHER (UNDER-COUNTER) RECEPTACLE
[Symbol]	GARBAGE DISPOSAL (UNDER-COUNTER) RECEPTACLE
[Symbol]	MICROWAVE RECEPTACLE
[Symbol]	220V HALL RECEPTACLE (+30" AFF, UNO)
[Symbol]	DUPLICATE OVERHEAD RECEPTACLE
[Symbol]	DUPLICATE FLOOR RECEPTACLE (FLUSH FLOOR BOX OR POKE-THRU)
[Symbol]	FOURPLEX HALL RECEPTACLE #
[Symbol]	AFCI PROTECTED AT INTERIOR LOCATIONS(S), UNO OR IDENTIFIED AS GFI PROTECTED BY SQUARE SYMBOL
[Symbol]	SPECIAL PURPOSE RECEPTACLE (AS NOTED)
[Symbol]	SINGLE WALL SWITCH
[Symbol]	WALL-MOUNT SCENIC LIGHT FIXTURE
[Symbol]	HALL-MOUNT LIGHT FIXTURE
[Symbol]	CEILING-MOUNT LIGHT FIXTURE
[Symbol]	RECESSED CEILING LIGHT FIXTURE
[Symbol]	RECESSED / PIVOT CEILING LIGHT FIXTURE
[Symbol]	HANGING CEILING-MOUNT LIGHT FIXTURE WITH RE-INFORCED JUNCTION BOX
[Symbol]	JUNCTION BOX
[Symbol]	LED LINEAR PENDANT
[Symbol]	LED ROUND/SQUARE PENDANT
[Symbol]	LED UTILITY STRIP LIGHT
[Symbol]	LED RECESSED SLOT FIXTURE
[Symbol]	CEILING FAN / LIGHT (AS NOTED) WITH RE-INFORCED JUNCTION BOX
[Symbol]	PUSH-BUTTON SWITCH (AS NOTED)
[Symbol]	GARAGE DOOR OPENER
[Symbol]	GARAGE DOOR OPENER SENSOR/RECEIVER
[Symbol]	SMOKE ALARM & CARBON MONOXIDE ALARM
[Symbol]	LOW VOLTAGE/STRUCTURED WIRING PANEL (PROVIDE SERVICE RECEPTACLE)
[Symbol]	DATA JACK (AS NOTED)
[Symbol]	DATA/VOICE JACK (AS NOTED)
[Symbol]	TELEVISION / CABLE JACK
[Symbol]	FURNITURE FEED (2 DUPLICATE RECEPTACLES)
[Symbol]	FLOOR BOX WITH (1) DUPLICATE, (1) DATA, AND (1) TV
[Symbol]	FUSED HEAVY DUTY DISCONNECT
[Symbol]	DIRECTIONAL EXIT LIGHT, VERIFY WITH ARCHITECTURAL EGRESS PLAN
[Symbol]	EMERGENCY TRIM-HEAD FIXTURE
[Symbol]	EMERGENCY LIGHT BEAM

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Energy

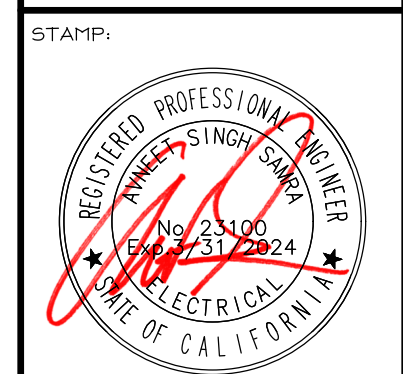
harris & sloan
www.harrisandsloan.com

COTA VERA SWIM CLUB
CHULA VISTA, CA

HOMESTEED CORPORATION
1903 WILMINGTON PLACE SUITE 200
CARLSBAD, CA 92008

PROJECT MANAGER: AS
DESIGNER: AS
DRAWN BY: SAM
CHECKED BY: AS
ISSUE DATE: 01-13-2023

REVISIONS:



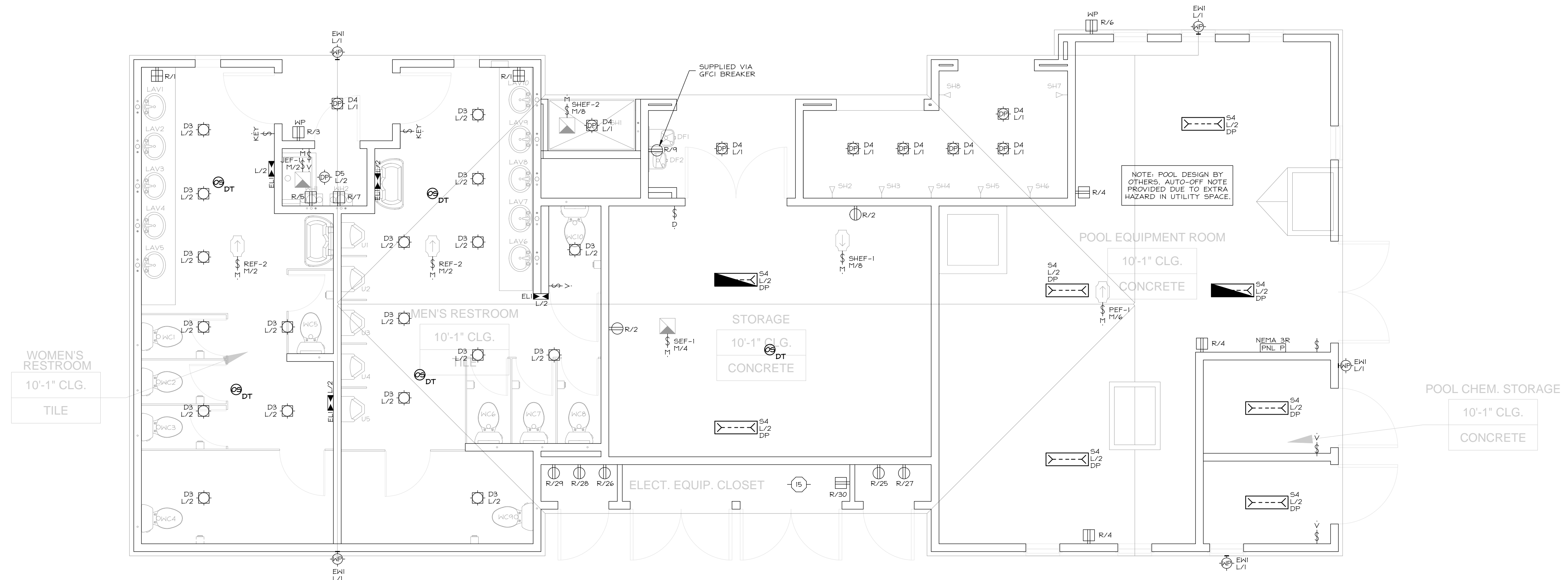
PLAN NUMBER: COMMUNITY BLDG
SHEET TITLE:

LEVEL 1 ELECTRICAL LAYOUT

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

E1.1
JOB NUMBER: HS22244

HATCHLINE



GENERAL NOTES

- IT IS THE CONTRACTOR'S/OWNER'S/DEVELOPER'S RESPONSIBILITY TO REVIEW ALL NOTES AND DETAILS ON THE EN SHEETS AND INCORPORATE IN THE CONSTRUCTION OF THE STRUCTURE.
- PRIOR TO BUILDING DEPARTMENT APPROVAL, THESE CONSTRUCTION DOCUMENTS ARE SUBJECT TO CHANGE AND SHALL NOT BE USED FOR CONSTRUCTION. ANY CONSTRUCTION BIDS PERFORMED BEFORE PERMIT ISSUANCE IS THE RESPONSIBILITY OF THE CONTRACTOR/BIDDER.

PROJECT SPECIFICATIONS

ELECTRICAL EQUIPMENT:
ELECTRIC AND LOW VOLTAGE SERVICES / EQUIPMENT ARE LOCATED IN A UTILITY CLOSET OR AN EXTERIOR HALL AT THE END OF THE BUILDING, SEE BUILDING PLANS FOR LOCATION(S) AND COORDINATE WITH ARCHITECTURAL SITE PLAN.

MECHANICAL EQUIPMENT:
CONDENSING UNITS ARE LOCATED ON THE GROUND AT THE END OF THE BUILDING / OR THE ROOF, COORDINATE WITH ARCHITECTURAL SITE PLAN FOR LOCATION(S). PROVIDE DISCONNECT AND SERVICE OUTLET, SEE SHEET EN1 SECTION 1.5 FOR GENERAL REQUIREMENTS.

EXTERIOR LIGHTING:
WHERE SITE LIGHTING IS PROVIDED BY FIXTURE(S) ATTACHED TO THE BUILDING, SEE LIGHTING / PHOTOMETRIC PLAN (BY OTHERS) FOR FIXTURE SPECIFICATIONS AND LOCATIONS AT EACH BUILDING.

SOLAR:
SOLAR PANELS PROVIDED ON ROOF, LOCATION VARIES BASED ON ORIENTATION OF STRUCTURE, SEE SOLAR PLANS PROVIDED BY OTHERS FOR LOCATION AND COORDINATE SOLAR SYSTEM INTERFACE REQUIREMENTS.

EXTERIOR LAYOUT NOTES

- ALL FIXTURES SHOWN IN BUILDING LAYOUTS ARE TO BE HIRED TO THE BUILDING PANELS, AND:
- HIRE CONDENSING UNITS TO THE UNIT SUB-PANEL AND PROVIDE A MEANS OF CIRCUIT INTERRUPT WITHIN SIGHT OF AND NOT OVER 50' FROM THE CONDENSING UNIT PER CPC. SEE DETAIL E272.2. A HEATER-RESISTANT GFCI PROTECTED SERVICE RECEPTACLE SHALL BE LOCATED WITHIN 25' OF CONDENSING UNIT. WHERE CONDENSING UNITS ARE GROUPED AT THE SIDE OF A BUILDING OR ON THE ROOF, A SINGLE COPPER RECEPTACLE WITHIN 25' CAN BE USED TO SERVICE MULTIPLE CONDENSING UNITS. IF PROVIDED, HIRE COPPER RECEPTACLE TO THE BUILDING PANEL. COORDINATE LOCATION OF DISCONNECT AND SERVICE RECEPTACLE WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.
- ILLUMINATED ADDRESS LIGHTS SHALL COMPLY WITH ADDRESS IDENTIFICATION REQUIREMENTS PER ARCHITECTURAL PLANS.

KEYNOTES

- PROVIDE COOPERATION POWER/DATA FLOOR BOX, ARCHITECT TO PROVIDE FINAL LOCATION.
- ROUTE CONDUITS FOR COOPERATION FLOOR BOX PRIOR TO SLAB POUR. CONDUIT/WIRING SHALL ROUTED AND DROP DOWN THROUGH NEAREST HALL WITH UNDERGROUND RUN TO FLOOR LOCATION.
- REFER TO EN SHEETS FOR POWER AND LIGHTING LAYOUT(S) AT UTILITY CLOSET(S).

SYMBOLS LEGEND

NOTATION DEFINITIONS:	
3	3-WAY
3 AFF	3-AFF
D/DOB	DISSIPER/DISSIPER W/ OCCUPANCY SENSOR
DP/HP	DAHP PROOF OR HEATHER PROOF
DT	DUAL TECHNOLOGY
IR	INFRARED
M	MOTOR RATED SWITCH
OS	OCCUPANCY SENSOR
PC	PHOTOCELL
US	ULTRASONIC
V	VACUANCY SENSOR
WP	WEATHER PROOF
KEY	AUTHORIZED KEY LIGHT SWITCH
TC	THRELOCK
EM	EMERGENCY
NL	NIGHT LIGHT
LV	LOW VOLTAGE

SYMBOLS:	
[Symbol]	DUPLEX HALL RECEPTACLE
[Symbol]	AFCI LOCATIONS, SEE SHEET EN1 SECTION 1.5
[Symbol]	HALF-SWITCHED DUPLEX HALL RECEPTACLE
[Symbol]	AFCI LOCATIONS, SEE SHEET EN1 SECTION 1.5
[Symbol]	USB AND DUPLEX COMBO RECEPTACLE
[Symbol]	LEBRAND FITTING/ALUMINUM OR EQUIVALENT
[Symbol]	ABOVE-COUNTER DUPLEX HALL RECEPTACLE (AFCI/GFI)
[Symbol]	DISHWASHER (UNDER-COUNTER) RECEPTACLE
[Symbol]	GARBAGE DISPOSAL (UNDER-COUNTER) RECEPTACLE
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[Symbol]	220V HALL RECEPTACLE (+30" AFF, UNO)
[Symbol]	DUPLEX OVERHEAD RECEPTACLE
[Symbol]	DUPLEX FLOOR RECEPTACLE (FLUSH FLOOR BOX OR POKE-THRU)
[Symbol]	FOURPLEX HALL RECEPTACLE #
[Symbol]	# AFCI PROTECTED AT INTERIOR LOCATIONS(S), UNO OR IDENTIFIED AS GFI PROTECTED BY SQUARE SYMBOL
[Symbol]	SPECIAL PURPOSE RECEPTACLE (AS NOTED)
[Symbol]	SINGLE WALL SWITCH
[Symbol]	WALL-MOUNT SCENCE LIGHT FIXTURE
[Symbol]	HALL-MOUNT LIGHT FIXTURE
[Symbol]	CEILING-MOUNT LIGHT FIXTURE
[Symbol]	RECESSED CEILING LIGHT FIXTURE
[Symbol]	RECESSED / PIVOT CEILING LIGHT FIXTURE
[Symbol]	HANGING CEILING-MOUNT LIGHT FIXTURE WITH RE-INFORCED JUNCTION BOX
[Symbol]	JUNCTION BOX
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[Symbol]	LED UTILITY STRIP LIGHT
[Symbol]	LED RECESSED SLOT FIXTURE
[Symbol]	CEILING FAN / LIGHT (AS NOTED) WITH RE-INFORCED JUNCTION BOX
[Symbol]	PUSH-BUTTON SWITCH (AS NOTED)
[Symbol]	GARAGE DOOR OPENER
[Symbol]	GARAGE DOOR OPENER SENSOR/RECEIVER
[Symbol]	SPOKE ALARM & CARBON MONOXIDE ALARM
[Symbol]	LOW VOLTAGE/STRUCTURED WIRING PANEL (PROVIDE SERVICE RECEPTACLE)
[Symbol]	DATA JACK (AS NOTED)
[Symbol]	DATA/VOICE JACK (AS NOTED)
[Symbol]	TELEVISION / CABLE JACK
[Symbol]	FURNITURE FEED (2 DUPLEX RECEPTACLES)
[Symbol]	FLOOR BOX WITH (1) DUPLEX, (1) DATA, AND (1) TV
[Symbol]	FUSED HEAVY DUTY DISCONNECT
[Symbol]	DIRECTIONAL EXIT LIGHT, VERIFY WITH ARCHITECTURAL EGRESS PLAN
[Symbol]	EMERGENCY THIN-HEAD FIXTURE
[Symbol]	EMERGENCY LIGHT BEAM

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COTA VERA SWIM CLUB
CHULA VISTA, CA

HOMEEED CORPORATION
1903 WILMINGTON PLACE SUITE 200
CARLSBAD, CA 92008

PROJECT:

PROJECT MANAGER: AS
DESIGNER: AS
DRAWN BY: SAM
CHECKED BY: AS

ISSUE DATE: 01-13-2023

REVISIONS:

STAMP:



PLAN NUMBER:
COMMUNITY BLDG

SHEET TITLE:
LEVEL 1 ELECTRICAL LAYOUT (2)

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

E1.1A
JOB NUMBER: HS22244

GENERAL NOTES

- IT IS THE CONTRACTOR'S/OWNER'S/DEVELOPER'S RESPONSIBILITY TO REVIEW ALL NOTES AND DETAILS ON THE EN SHEETS AND INCORPORATE IN THE CONSTRUCTION OF THE STRUCTURE.
- PRIOR TO BUILDING DEPARTMENT APPROVAL, THESE CONSTRUCTION DOCUMENTS ARE SUBJECT TO CHANGE AND SHALL NOT BE USED FOR CONSTRUCTION. ANY CONSTRUCTION BIDS PERFORMED BEFORE PERMIT ISSUANCE IS THE RESPONSIBILITY OF THE CONTRACTOR/BIDDER.

PROJECT SPECIFICATIONS

ELECTRICAL EQUIPMENT:
ELECTRIC AND LOW VOLTAGE SERVICES / EQUIPMENT ARE LOCATED IN A UTILITY CLOSET OR AN EXTERIOR HALL AT THE END OF THE BUILDING, SEE BUILDING PLANS FOR LOCATION(S) AND COORDINATE WITH ARCHITECTURAL SITE PLAN.

MECHANICAL EQUIPMENT:
CONDENSING UNITS ARE LOCATED ON THE GROUND AT THE END OF THE BUILDING / OR THE ROOF, COORDINATE WITH ARCHITECTURAL SITE PLAN FOR LOCATION(S). PROVIDE DISCONNECT AND SERVICE OUTLET, SEE SHEET EN1 SECTION 1.5 FOR GENERAL REQUIREMENTS.

EXTERIOR LIGHTING:
WHERE SITE LIGHTING IS PROVIDED BY FIXTURE(S) ATTACHED TO THE BUILDING, SEE LIGHTING / PHOTOMETRIC PLAN (BY OTHERS) FOR FIXTURE SPECIFICATIONS AND LOCATIONS AT EACH BUILDING.

SOLAR:
SOLAR PANELS PROVIDED ON ROOF, LOCATION VARIES BASED ON ORIENTATION OF STRUCTURE, SEE SOLAR PLANS PROVIDED BY OTHERS FOR LOCATION AND COORDINATE SOLAR SYSTEM INTERFACE REQUIREMENTS.

EXTERIOR LAYOUT NOTES

- ALL FIXTURES SHOWN IN BUILDING LAYOUTS ARE TO BE HIRED TO THE BUILDING PANEL, AND:
- HIRE CONDENSING UNITS TO THE UNIT SUB-PANEL AND PROVIDE A TIE-INS OF CIRCUIT INTERRUPT WITHIN SIGHT OF AND NOT OVER 50' FROM THE CONDENSING UNIT PER CPC. SEE DETAIL E221.2. A HEATHER-RESISTANT GFCI PROTECTED SERVICE RECEPTACLE SHALL BE LOCATED WITHIN 25' OF CONDENSING UNIT. WHERE CONDENSING UNITS ARE GROUPED AT THE SIDE OF A BUILDING OR ON THE ROOF, A SINGLE COPPON RECEPTACLE WITHIN 25' CAN BE USED TO SERVICE MULTIPLE CONDENSING UNITS. IF PROVIDED, HIRE COPPON RECEPTACLE TO THE BUILDING PANEL. COORDINATE LOCATION OF DISCONNECT AND SERVICE RECEPTACLE WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.
- ILLUMINATED ADDRESS LIGHTS SHALL COMPLY WITH ADDRESS IDENTIFICATION REQUIREMENTS PER ARCHITECTURAL PLANS.

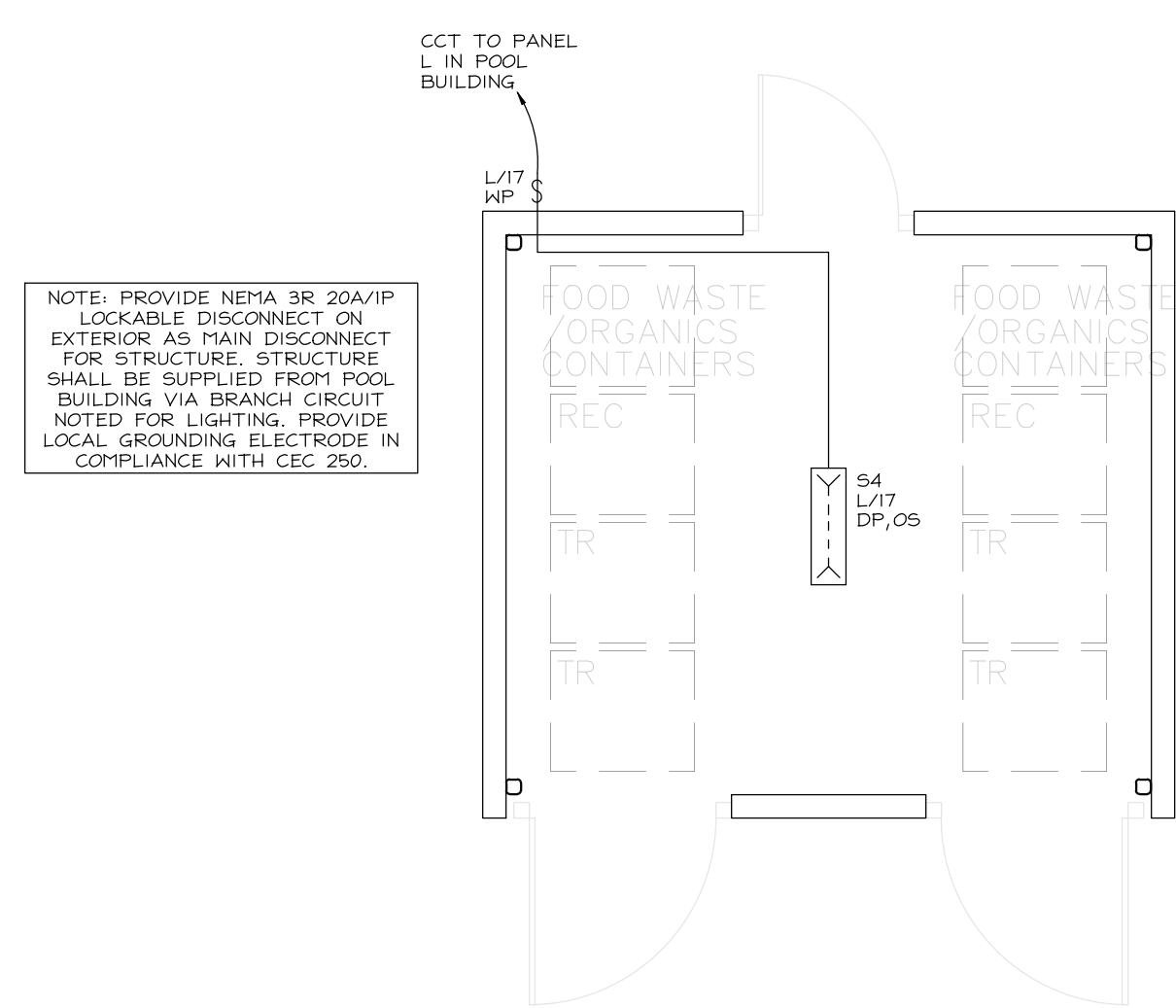
KEYNOTES

- PROVIDE CORRELATION POWER/DATA FLOOR BOX, ARCHITECT TO PROVIDE FINAL LOCATION.
- ROUTE CONDUITS FOR CORRELATION FLOOR BOX PRIOR TO SLAB POUR. CONDUIT/WIRING SHALL ROUTED AND DROP DOWN THROUGH NEAREST HALL WITH UNDERGROUND RUN TO FLOOR LOCATION.
- REFER TO EN SHEETS FOR POWER AND LIGHTING LAYOUT(S) AT UTILITY CLOSET(S).

SYMBOLS LEGEND

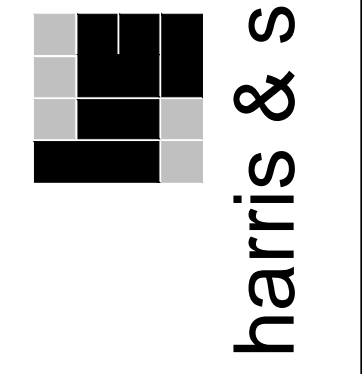
NOTATION DEFINITIONS:	
3	3-WAY
ABF	ABOVE FINISH FLOOR
D/DOB	DIMMER/DIMMER W/ OCCUPANCY SENSOR
DP/HP	DAMP PROOF OR HEATHER PROOF
DT	DUAL TECHNOLOGY
IR	INFRARED
M	MOTOR RATED SWITCH
OS	OCCUPANCY SENSOR
PC	PHOTOCELL
US	ULTRASONIC
V	VACANCY SENSOR
WP	WEATHER PROOF
KEY	AUTHORIZED KEY LIGHT SWITCH
TC	THIEFLOCK
EM	EMERGENCY
NL	NIGHT LIGHT
LV	LOW VOLTAGE

SYMBOLS	
[Symbol]	DUPLX HALL RECEPTACLE
[Symbol]	AFCI LOCATIONS, SEE SHEET EN1 SECTION 1.5
[Symbol]	HALF-SWITCHED DUPLX HALL RECEPTACLE
[Symbol]	AFCI LOCATIONS, SEE SHEET EN1 SECTION 1.5
[Symbol]	USB AND DUPLX COPPO RECEPTACLE
[Symbol]	LEBRAND FITTING/ALUMINUM OR EQUIVALENT
[Symbol]	ABOVE-COUNTER DUPLX HALL RECEPTACLE (AFCI/GFI)
[Symbol]	DISHWASHER (UNDER-COUNTER) RECEPTACLE
[Symbol]	GARBAGE DISPOSAL (UNDER-COUNTER) RECEPTACLE
[Symbol]	MICROWAVE RECEPTACLE
[Symbol]	220V HALL RECEPTACLE (+30" AFF, UNO)
[Symbol]	DUPLX OVERHEAD RECEPTACLE
[Symbol]	DUPLX FLOOR RECEPTACLE (FLUSH FLOOR BOX OR POKE-THRU)
[Symbol]	FOURPLX HALL RECEPTACLE #
[Symbol]	AFCI PROTECTED AT INTERIOR LOCATION(S), UNO OR IDENTIFIED AS GFI PROTECTED BY SQUARE SYMBOL
[Symbol]	SPECIAL PURPOSE RECEPTACLE (AS NOTED)
[Symbol]	SINGLE WALL SWITCH
[Symbol]	WALL-MOUNT SCONCE LIGHT FIXTURE
[Symbol]	HALL-MOUNT LIGHT FIXTURE
[Symbol]	CEILING-MOUNT LIGHT FIXTURE
[Symbol]	RECESSED CEILING LIGHT FIXTURE
[Symbol]	RECESSED / PIVOT CEILING LIGHT FIXTURE
[Symbol]	HANGING CEILING-MOUNT LIGHT FIXTURE WITH RE-INFORCED JUNCTION BOX
[Symbol]	JUNCTION BOX
[Symbol]	LED LINEAR PENDANT
[Symbol]	LED ROUND/SQUARE PENDANT
[Symbol]	LED UTILITY STRIP LIGHT
[Symbol]	LED RECESSED SLOT FIXTURE
[Symbol]	CEILING FAN / LIGHT (AS NOTED) WITH RE-INFORCED JUNCTION BOX
[Symbol]	PUSH-BUTTON SWITCH (AS NOTED)
[Symbol]	GARAGE DOOR OPENER
[Symbol]	GARAGE DOOR OPENER SENSOR/RECEIVER
[Symbol]	SMOKE ALARM & CARBON MONOXIDE ALARM
[Symbol]	LOW VOLTAGE/STRUCTURED WIRING PANEL (PROVIDE SERVICE RECEPTACLE)
[Symbol]	DATA JACK (AS NOTED)
[Symbol]	DATA/VOICE JACK (AS NOTED)
[Symbol]	TELEVISION / CABLE JACK
[Symbol]	FURNITURE FEED (2 DUPLX RECEPTACLES)
[Symbol]	FLOOR BOX WITH (1) DUPLX, (1) DATA, AND (1) TV
[Symbol]	FUSED HEAVY DUTY DISCONNECT
[Symbol]	DIRECTIONAL EXIT LIGHT, VERIFY WITH ARCHITECTURAL EGRESS PLAN
[Symbol]	EMERGENCY TRIM-HEAD FIXTURE
[Symbol]	EMERGENCY LIGHT BEAM



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PROJECT: PROJECT MANAGER: AS

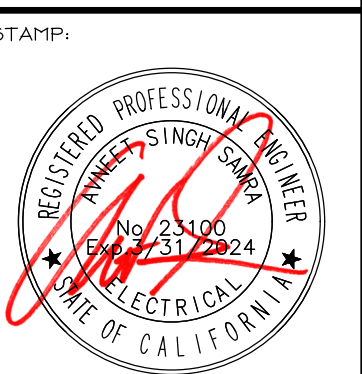
DESIGNER: AS

DRAWN BY: SAM

CHECKED BY: AS

ISSUE DATE: 01-13-2023

REVISIONS:



PLAN NUMBER: TRASH ENCLOSURE

SHEET TITLE: LEVEL 1 ELECTRICAL LAYOUT

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

SHEET NUMBER: E2.1

JOB NUMBER: HS22244