

BUILDING LOAD/SERVICE FEEDER CALCS		
BUILDING/SITE	FEEDER TYPE	SWIM CLUB
BUILDING PANEL LOADS:	208Y120V, 3Ø, 4W	
LIGHTING -8F * 2VA/SF PLUS SITE		7,200VA
RECEPTACLES-8F * 3VA/SF		8,000VA
FUTURE ON-SITE EVCS @ 125%	2	16,640VA
HVAC	2	15,000VA
WATER HEATER (TANKLESS)		360VA
POOL PANEL	-	54,000VA
LOW VOLTAGE (IT, FA, IRRIGATION, ETC)		500VA
TOTAL SERVICE DEMAND LOAD		101,700VA
TOTAL SERVICE DEMAND AMPS		283A
SERVICE FEEDER AMPS		400A

BUILDING LOAD/FEEDER CALCULATIONS

NEW	EXISTING	MOUNTING SURFACE (NEMA 3R)										AIC:	10KAIC (FIELD VERIFY)			
VOLTAGE:		208Y120V, 3Ø, 4W										MAIN:	150A WEBS			
BUS:		200A										LOCATION:	EXTERIOR OFF BLDG			
LOAD DESCRIPTION	VOLT-AMPERES	ØA	ØB	ØC	T	P	A	B	C	T	P	ØA	ØB	ØC	LOAD DESCRIPTION	MLO
1 OFF/KITCHEN/STOR LGT					20	1	●	20	1	720					SECURITY RECPS	2
3 EXTERIOR LGT					20	1	●	20	1	360				KITCHEN/STOR CONV RECEP	4	
5 OFF MEET R RECPS					20	1	●	20	1	800				FIDGE RECEP	8	
7 OFF MEET R RECPS	540				20	1	●	20	1	400				GARBAGE DISPOSAL RECEP	8	
9 OFF W RECPS					860			20	1	1,200				DISHWASHER RECEP	10	
11 OFF E RECPS					860			20	1	540				KITCH AC RECEP	12	
13 FIREPET RECEP	180				20	1	●	20	1	800				PRINTER/COPPER RECEP	14	
15 SPARE					20	1	●	20	1					SPARE	16	
17 EXTERIOR RECPS					360			20	1					SPARE	18	
SPLIT BUS FOR AGGREGATION OF LOADS																
19 HP-1A	366				15	2	●	20	1					SPARE	20	
21					366			20	1					SPARE	22	
23 HP-1	2,412				40	2	●	20	1	200				EXHAUST FANS	24	
25								20	1					SPARE	26	
27								20	1					SPARE	28	
29								20	1					SPARE	30	
31								20	1					SPARE	32	
33								20	1					SPARE	34	
35								20	1					SPARE	36	
37								20	1					SPARE	38	
39								20	1					SPARE	40	
41								20	1					SPARE	42	
SUBTOTAL																
TOTAL VOLT-AMPERES/PHASE:	ØA = 5,419							1,920	1,560	1,540				ØC = 5,892		
TOTAL PANEL VOLT-AMPERES:	14,096													CONNECTED AMPS:	39	

NEW	EXISTING	MOUNTING SURFACE (NEMA 3R)										AIC:	22KAIC (FIELD VERIFY)			
VOLTAGE:		208Y120V, 3Ø, 4W										MAIN:	150A WEBS			
BUS:		200A										LOCATION:	POOL EQUIPMENT ROOM			
LOAD DESCRIPTION	VOLT-AMPERES	ØA	ØB	ØC	T	P	A	B	C	T	P	ØA	ØB	ØC	LOAD DESCRIPTION	MLO
1 SPACE															SPACE	2
3 SPACE														SPACE	4	
5 SPACE														SPACE	6	
7 SPACE														SPACE	8	
9 SPACE														SPACE	10	
11 SPACE														SPACE	12	
13 SPACE														SPACE	14	
15 SPACE														SPACE	16	
17 SPACE														SPACE	18	
19 SPACE														SPACE	20	
21 SPACE														SPACE	22	
23 SPACE														SPACE	24	
25 SPACE														SPACE	26	
27 SPACE														SPACE	28	
29 SPACE														SPACE	30	
31 SPACE														SPACE	32	
33 SPACE														SPACE	34	
35 SPACE														SPACE	36	
37 SPACE														SPACE	38	
39 SPACE														SPACE	40	
41 SPACE														SPACE	42	
SUBTOTAL																
TOTAL VOLT-AMPERES/PHASE:	ØA = 0							0	0	0				ØC = 0		
TOTAL PANEL VOLT-AMPERES:	0													CONNECTED AMPS:	0	

NEW	EXISTING	MOUNTING SURFACE (NEMA 3R)										AIC:	42KAIC (FIELD VERIFY)			
VOLTAGE:		208Y120V, 3Ø, 4W										MAIN:	150A WEBS			
BUS:		400A										LOCATION:	ELEC RM			
LOAD DESCRIPTION	VOLT-AMPERES	ØA	ØB	ØC	T	P	A	B	C	T	P	ØA	ØB	ØC	LOAD DESCRIPTION	MLO
1 RESTROOM EFS					20	1	●	20	1	400					RESTROOM EFS	2
3 STORE/CLG EFS					20	1	●	20	1	400				STORE/CLG EFS	4	
5 POOL EQUIP EFS					20	1	●	20	1	720				POOL EQUIP EFS	6	
7 SPACE										400				SHOWER EFS	8	
9 SPACE										20	1			SPACE	10	
11 SPACE										20	1			SPACE	12	
13	1,440													SPACE	14	
15					60	3	●	20	1					PANEL "R"	16	
17					1,680									SPACE	18	
19					1,940									SPACE	20	
21	6,656									1,250				SPACE	22	
23					3	3	●	40	3	500				PANEL "EV"	24	
25					3,328					500				SPACE	26	
27					3,328					500				SPACE	28	
SUBTOTAL																
TOTAL VOLT-AMPERES/PHASE:	ØA = 10,146									2,050	900	1,220		ØC = 6,468		
TOTAL PANEL VOLT-AMPERES:	22,542									ØB = 5,908				CONNECTED AMPS:	63	

NEW	EXISTING	MOUNTING SURFACE (NEMA 3R)										AIC:	42KAIC (FIELD VERIFY)			
VOLTAGE:		208Y120V, 3Ø, 4W										MAIN:	150A WEBS			
BUS:		100A										LOCATION:	ELEC RM			
LOAD DESCRIPTION	VOLT-AMPERES	ØA	ØB	ØC	T	P	A	B	C	T	P	ØA	ØB	ØC	LOAD DESCRIPTION	MLO
1 BY CAPABLE RESERVED FOR FUTURE ON-SITE EVCS	3,328				40	2	●	40	2						SPACE	2
3 FUTURE ON-SITE EVCS	3,328				40	2	●	40	2					SPACE	4	
5 BY CAPABLE RESERVED FOR FUTURE ON-SITE EVCS	3,328				40	2	●	40	2					SPACE	6	
7 EXT BATH RECEP					20	1	●	20	1					SPACE	8	
9 SPACE										20	1			SPACE	10	
11 SPACE										20	1			SPACE	12	
13 SPACE										20	1			SPACE	14	
15 SPACE										20	1			SPACE	16	
17 SPACE										20	1			SPACE	18	
SUBTOTAL																
TOTAL VOLT-AMPERES/PHASE:	ØA = 6,656									0	0	0		ØC = 3,328		
TOTAL PANEL VOLT-AMPERES:	13,312									ØB = 3,328				CONNECTED AMPS:	37	

BUILDING PANEL SCHEDULES

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

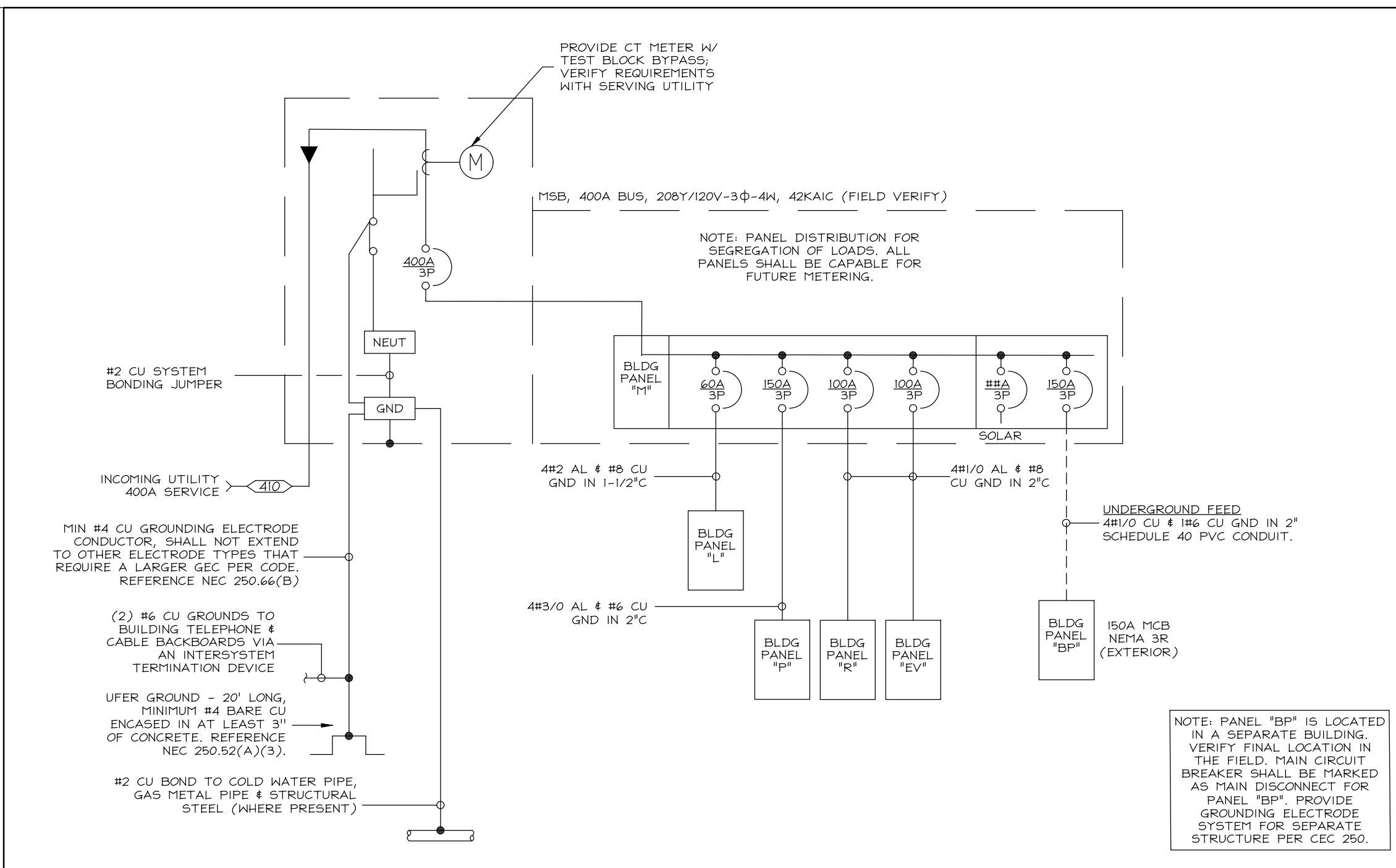
AVAILABLE FAULT CALCULATION - SWIM CLUB	L	R	EV	P	BP
APPROXIMATE DISTANCE FROM SOURCE TO EACH PANEL	5 ft.	5 ft.	5 ft.	40 ft.	152 ft.
STARTING AFC VALUE	42,000	42,000	42,000	42,000	42,000
VOLTAGE (V)	208	208	208	208	208
WIRE TYPE	AL	AL	AL	AL	CU
WIRE SIZE	2	2	1/0	3/0	1/0
WIRE CONSTANT	3713	3713	5777	8826	9317
APPROXIMATE AFC AT PANEL	28,553	28,553	32,241	16,248	6,263
EQUIPMENT AIC RATING	42KAIC	42KAIC	42KAIC	22KAIC	10KAIC

AFC/AIC CALCULATIONS

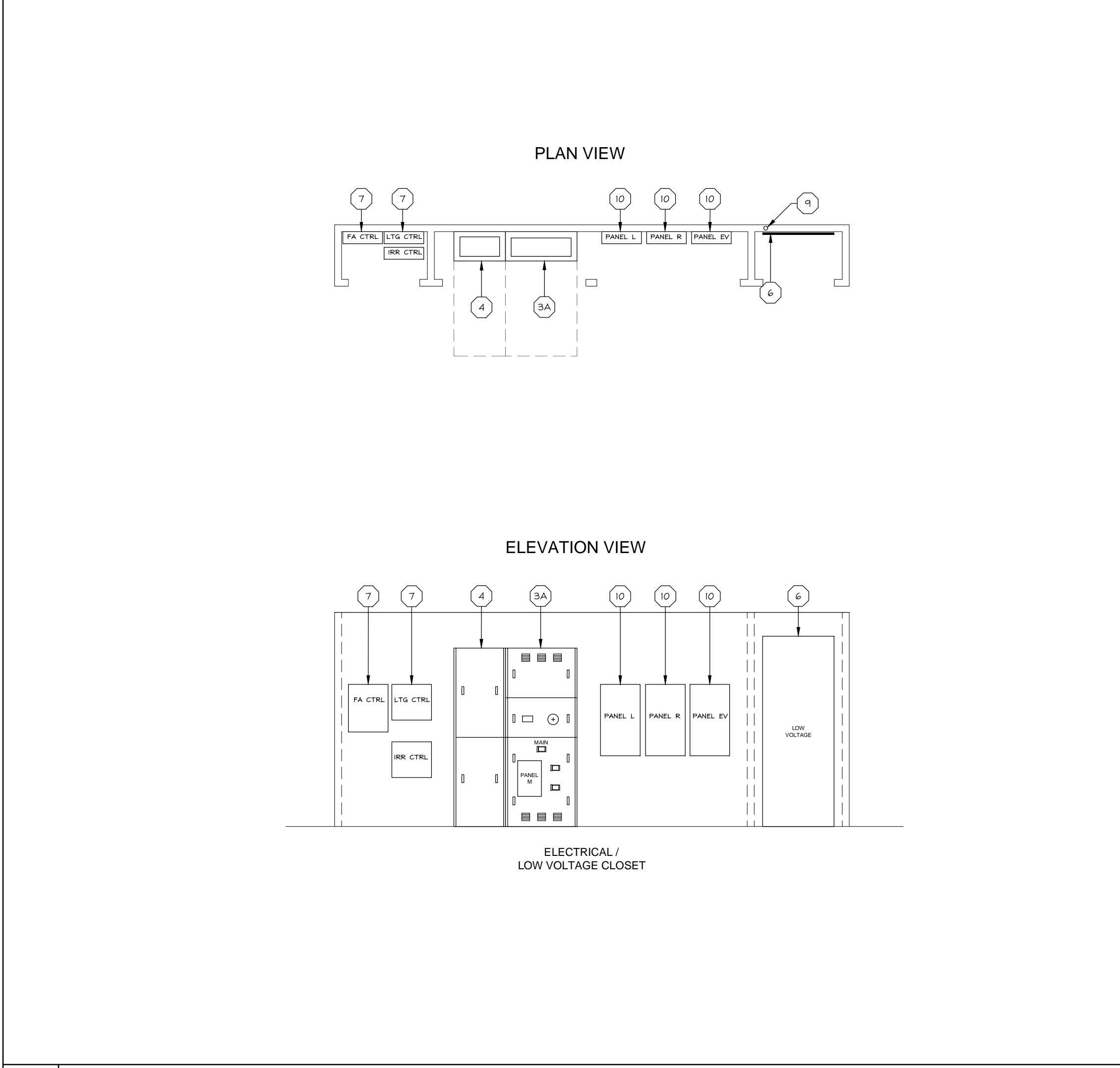
THE INTERRUPTING RATING OF ALL EQUIPMENT IS BASED ON WORST-CASE UTILITY FAULT CONTRIBUTION. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL AFO VALUES. ANY DEVIATIONS FROM THE CONSTRUCTION DRAWINGS REQUIRES APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO PURCHASING EQUIPMENT. CONTRACTOR SHALL PROVIDE UPDATED CALCULATIONS BASED ON FIELD CONDITIONS AND FINAL UTILITY CONTRIBUTION VALUES WHICH SHALL BE USED TO MARK THE EQUIPMENT IN THE FIELD PER CODE. ALL DEVICES SHALL HAVE AN INTERRUPTING CAPACITY NOT LESS THAN THAT GIVEN BY THE SERVING UTILITY.

LOAD	CIRCUIT TYPE	VOLTAGE (V)	PHASE	CURRENT (A)	PF	LENGTH IN FT (ONE-WAY)	WIRE SIZE	WIRE TYPE	WIRE SETS	CONDUIT TYPE	Z ₀ /1000FT	VOLTAGE DROP (V)	% DROP
MSBM TO PANEL L	FEEDER	208	3PH	42	0.85	5	2	AL	1	STEEL	0.3	0.11	0.05%
PANEL L TO FURTHEST INT LIGHT	BRANCH	120	1PH	5	0.85	60	12	CU	1	STEEL	1.7	1.02	0.85%
MSBM TO PANEL R	FEEDER	208	3PH	42	0.85	5	2	AL	1	STEEL	0.3	0.11	0.05%
PANEL R TO FURTHEST OUTLET	BRANCH	120	1PH	3	0.85	55	12	CU	1	STEEL	1.7	0.56	0.47%
MSBM TO PANEL EV	FEEDER	208	3PH	80	0.85	5	1/0	AL	1	STEEL	0.2	0.14	0.07%
PANEL R TO FURTHEST OUTLET	BRANCH	208	1PH	32	0.85	20	8	CU	1	PVC	0.69	0.88	0.42%
MSBM TO PANEL P	FEEDER	208	3PH	120	0.85	40	3/0	AL	1	STEEL	0.14	1.16	0.56%
MSBM TO PANEL BP (OFF BLDG)	FEEDER	208	3PH	120	0.85	152	1/0	CU	1	PVC	0.13	4.11	1.97%
PANEL BP TO FURTHEST INT LIGHT	BRANCH	120	1PH	5	0.85	65	12	CU	1	STEEL	1.7	1.11	0.92%

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" CW (4) # 250 KCHIL AL IN EACH			
<615>	(3) 28" CW (4) # 250 KCHIL AL IN EACH			
<820>	(4) 28" CW (4) # 250 KCHIL AL IN EACH			
<1025>	(3) 4" CW (4) # 600 KCHIL AL IN EACH			
<1240>	(4) 4" CW (4) # 500 KCHIL AL IN EACH			
<1500>	(6) 3" CW (4) # 400 KCHIL 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"	3/4"	#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
225A	1-1/4"	1-1/4"	1-1/2"	#1	#6

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

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 MASTER/MAIN 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.

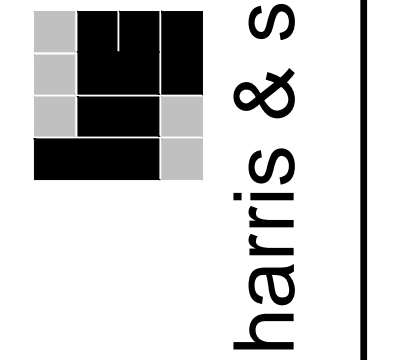
ELECTRICAL SYMBOLS LEGEND	
	GFI QUADPLEX RECEPTACLE, PROVIDE (2) FOR TELECOMMUNICATIONS BACKBOARD / BACKBOARD
	GFI DUPLEX RECEPTACLE, PROVIDE (2) FOR IRRIGATION CONTROLLER & FIRE ALARM CONTROL PANEL (WHERE OCCURS)
	SWITCH
	SURFACE MOUNT LED LIGHT WITH 90 MINUTE BATTERY BACKUP
	4'-0" LONG SURFACE MOUNT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

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

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COTA VERA SWIM CLUB
CHULA VISTA, CA

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

PROJECT: COTA VERA SWIM CLUB
CLIENT: HOMEFIELD CORPORATION

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

REVISIONS:

STAMP:



PLAN NUMBER:
SHEET TITLE:
ONE-LINE AND CLOSET LAYOUTS

SCALE:
SHEET NUMBER:
EN.2
JOB NUMBER: HS22244

TITLE 24 COMPLIANCE

STATE OF CALIFORNIA Indoor Lighting NRCCLTI-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

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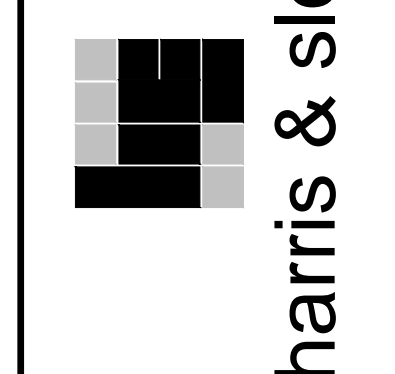
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COTA VERA SWIM CLUB CHULA VISTA, CA

HOMEEED CORPORATION 1803 WILSON ROAD, CA 92008

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



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

SCALE: SHEET NUMBER: EN.4

JOB NUMBER: HS22244

TITLE 24 COMPLIANCE

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: COTA VERA SWIM CLUB - OFFICE BLDG. Report Page: Page 1 of 7. Date Prepared: 12/04/2022.

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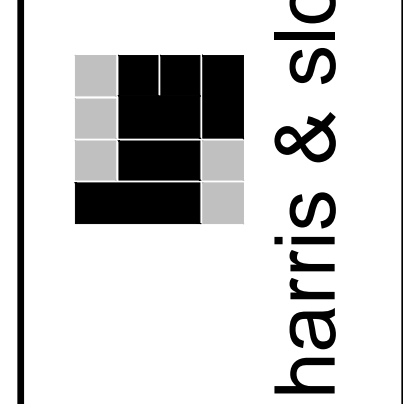
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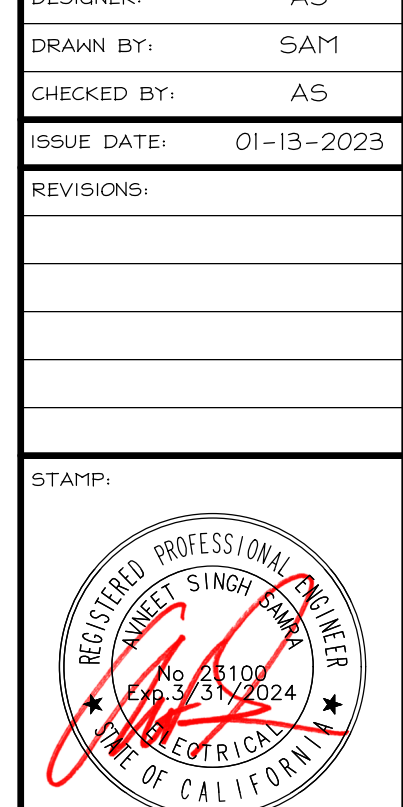
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COTA VERA SWIM CLUB CHULA VISTA, CA. HOMEFEE CORPORATION 1803 WILLOW LANE, SUITE 200 CARLSBAD, CA 92008

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



OFFICE BLDG 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) CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Page 1 of 7 Project Name: COTA VERA SWIM CLUB - POOL BLDG Report Page: 12/04/2022 Project Address: CHULA VISTA, CALIFORNIA Date Prepared: 12/04/2022

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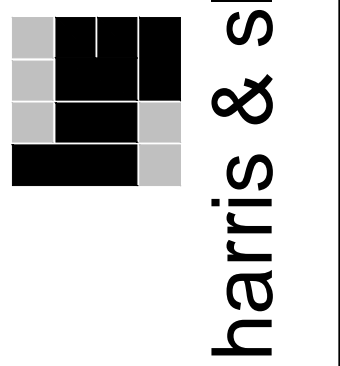
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FOR JURISDICTION USE:

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tol free 800.877.1430

COTA VERA SWIM CLUB CHULA VISTA, CA

HOMEEED CORPORATION 1803 WILSON BLVD, SUITE 200 CARLSBAD, CA 92008

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



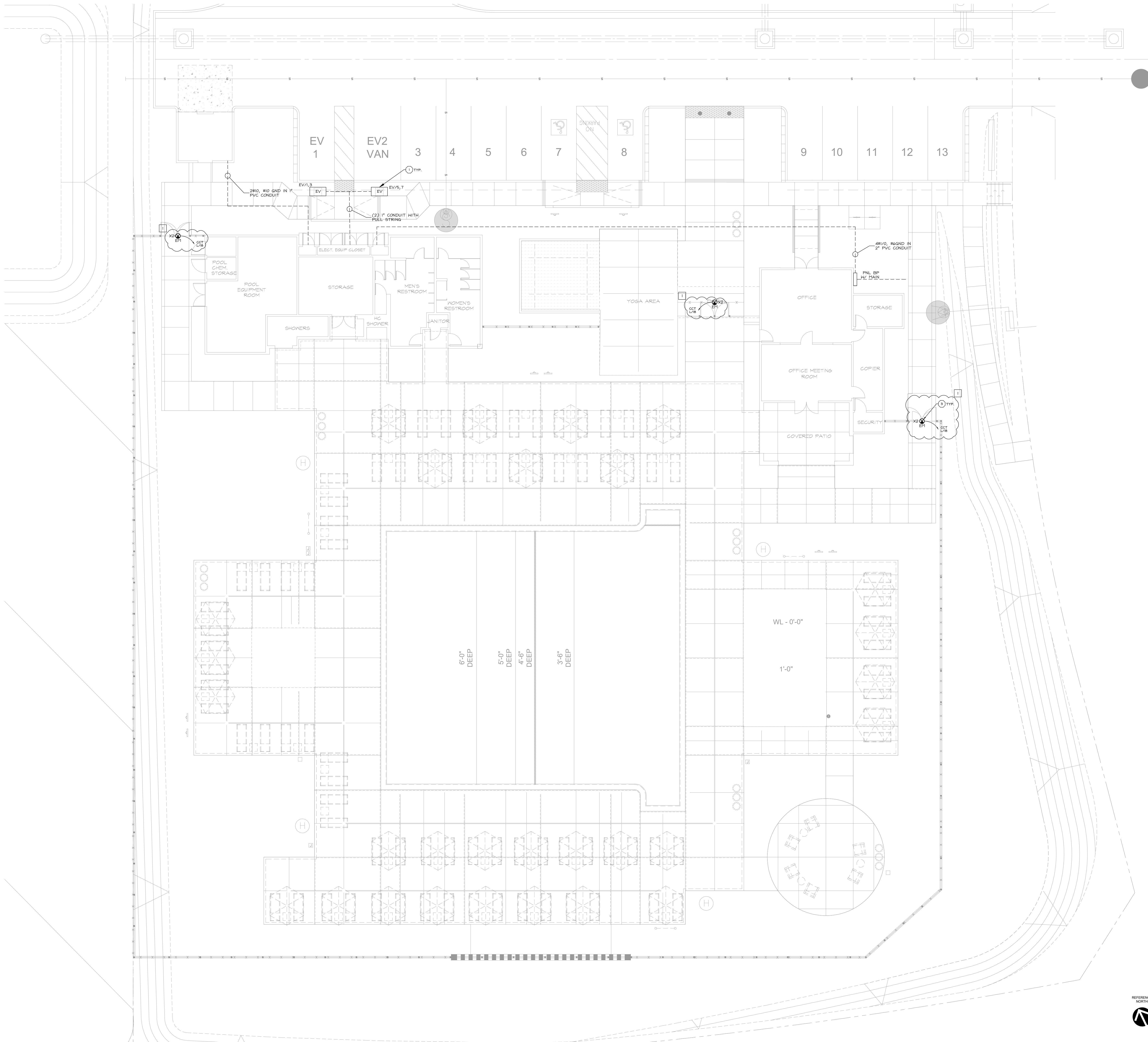
PLANNING: POOL BLDG SHEET TITLE:

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.

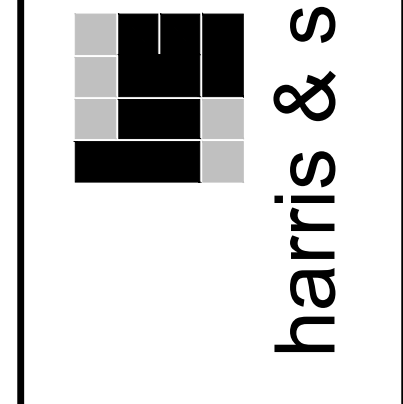
SYMBOLS LEGEND

- 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

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toll free 800.877.1430
www.harrisandsloan.com

COTA VERA SWIM CLUB
CHULA VISTA, CA

HOMEFEE CORPORATION
1963 WILMINGTON BLVD, 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



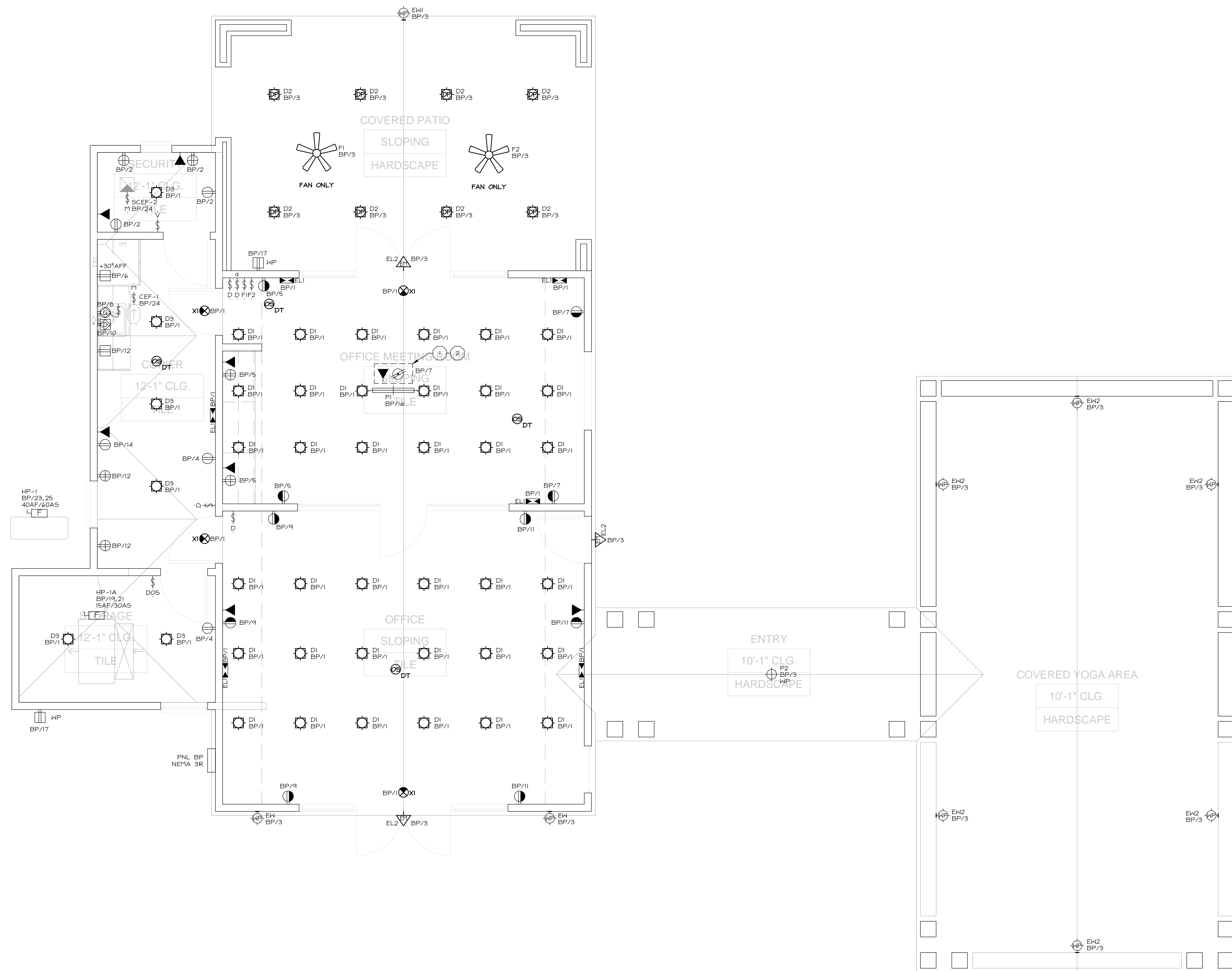
PLAN NUMBER:
SHEET TITLE:

ELECTRICAL SITE LAYOUT

SCALE: 1" = 10'-0"
SHEET NUMBER:

ES.1
JOB NUMBER: HS22244





GENERAL NOTES

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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 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 GFI 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]	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 CO2/NO RECEPTACLE
[Symbol]	LEBRAND FITTING/AC/USB 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 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
[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
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[Symbol]	LOW VOLTAGE/STRUCTURED WIRING PANEL (PROVIDE SERVICE RECEPTACLE)
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[Symbol]	EMERGENCY TRIM-HEAD FIXTURE
[Symbol]	EMERGENCY LIGHT BEAM

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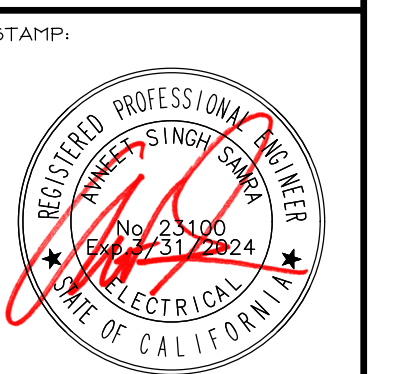
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COTA VERA SWIM CLUB
CHULA VISTA, CA

HOMEEED 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:

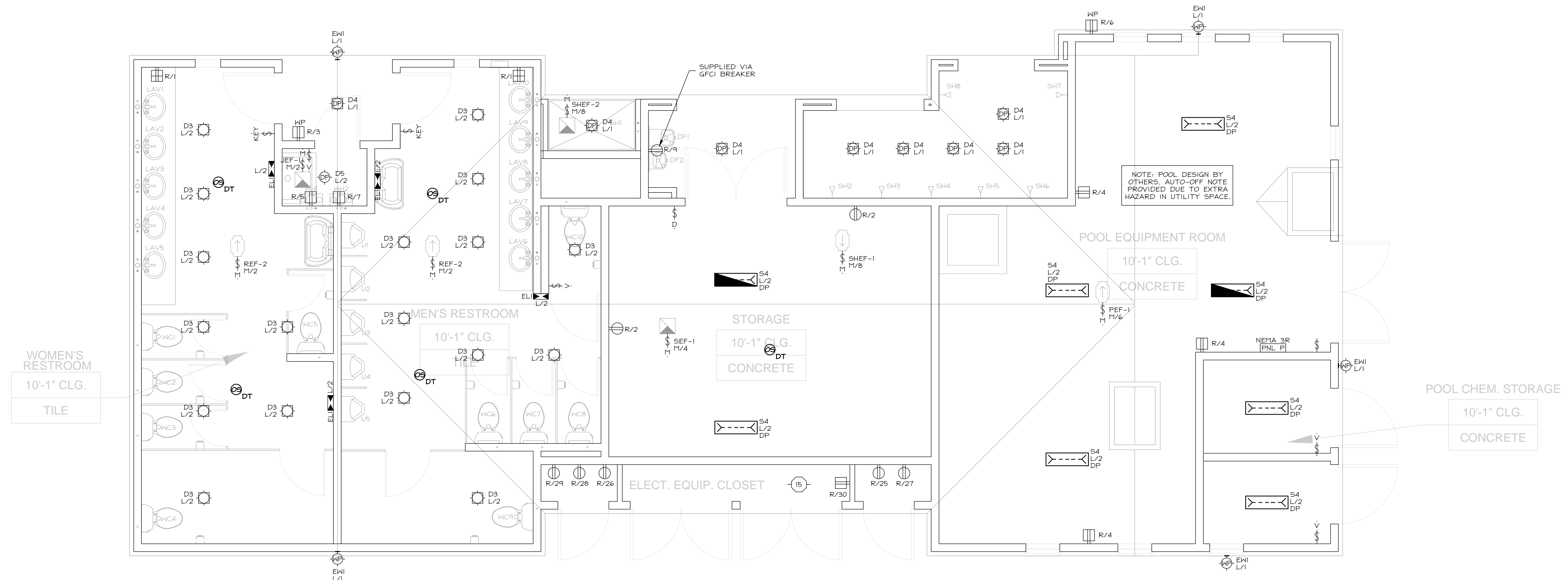
LEVEL 1 ELECTRICAL LAYOUT

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

SHEET NUMBER: **E1.1**

JOB NUMBER: HS22244

HATCHLINE



GENERAL NOTES

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PROJECT SPECIFICATIONS

ELECTRICAL EQUIPMENT:
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MECHANICAL EQUIPMENT:
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KEYNOTES

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- 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/D/DB	DIFFUSER/DIFFUSER W/ OCCUPANCY SENSOR
DP/HP	DAHP PROOF OR HEATHER PROOF
DT	DUAL TECHNOLOGY
IR	INFRARED
MR	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
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PROJECT:

PROJECT MANAGER: AS

DESIGNER: AS

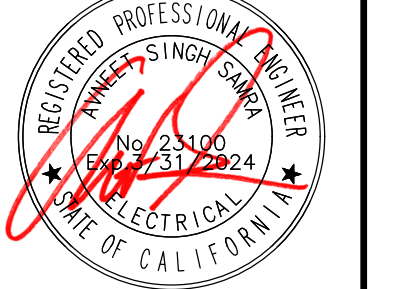
DRAWN BY: SAM

CHECKED BY: AS

ISSUE DATE: 01-13-2023

REVISIONS:

STAR#:



PLAN NUMBER:

SHEET TITLE:

**LEVEL 1
ELECTRICAL
LAYOUT (2)**

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

SHEET NUMBER:

E1.1A
JOB NUMBER: HS22244

GENERAL NOTES

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PROJECT SPECIFICATIONS

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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:
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EXTERIOR LAYOUT NOTES

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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).

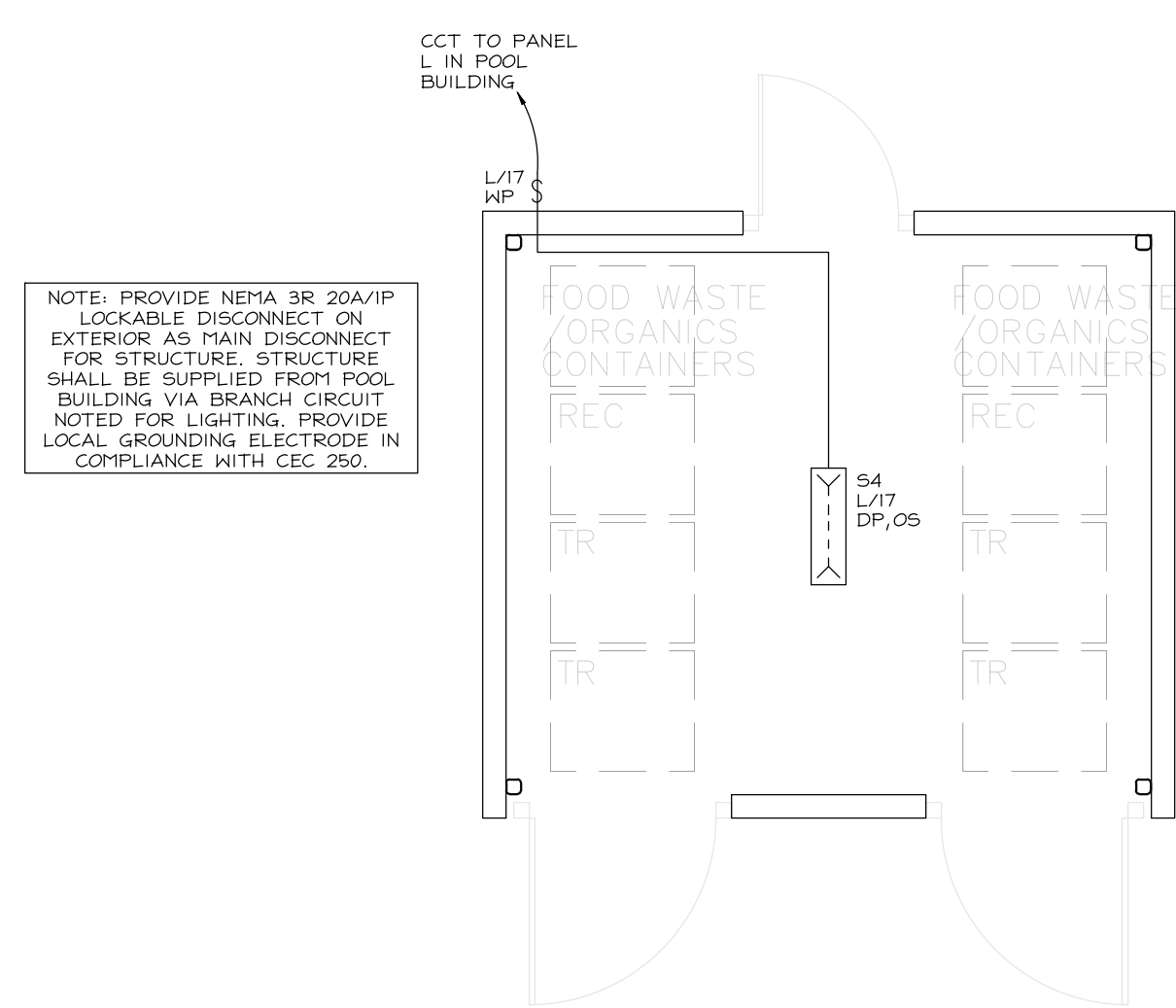
SYMBOLS LEGEND

NOTATION DEFINITIONS:

3	3-WAY
ABF	ABOVE FINISH FLOOR
D/DOB	DISPENSER/DIPPER 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

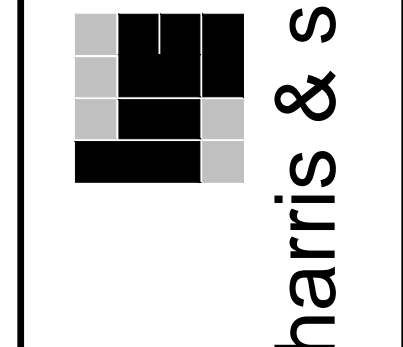
	DUPLEX HALL RECEPTACLE
	AFCI LOCATIONS, SEE SHEET EN1 SECTION 1.5
	HALF-SWITCHED DUPLEX HALL RECEPTACLE
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	LEBRAND PTTROMAL USB OR EQUIVALENT
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	DUPLEX OVERHEAD RECEPTACLE
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	FOURPLEX HALL RECEPTACLE #
	AFCI PROTECTED AT INTERIOR LOCATIONS(S), UNO OR IDENTIFIED AS GFI PROTECTED BY SQUARE SYMBOL
	SPECIAL PURPOSE RECEPTACLE (AS NOTED)
	SINGLE WALL SWITCH
	WALL-MOUNT SCONCE LIGHT FIXTURE
	HALL-MOUNT LIGHT FIXTURE
	CEILING-MOUNT LIGHT FIXTURE
	RECESSED CEILING LIGHT FIXTURE
	RECESSED / PIVOT CEILING LIGHT FIXTURE
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	JUNCTION BOX
	LED LINEAR PENDANT
	LED ROUND/SQUARE PENDANT
	LED UTILITY STRIP LIGHT
	LED RECESSED SLOT FIXTURE
	CEILING FAN / LIGHT (AS NOTED) WITH RE-INFORCED JUNCTION BOX
	PUSH-BUTTON SWITCH (AS NOTED)
	GARAGE DOOR OPENER
	GARAGE DOOR OPENER SENSOR/RECEIVER
	SMOKE ALARM & CARBON MONOXIDE ALARM
	LOW VOLTAGE/STRUCTURED WIRING PANEL (PROVIDE SERVICE RECEPTACLE)
	DATA JACK (AS NOTED)
	DATA/VOICE JACK (AS NOTED)
	TELEVISION / CABLE JACK
	FURNITURE FEED (2 DUPLEX RECEPTACLES)
	FLOOR BOX WITH (1) DUPLEX, (1) DATA, AND (1) TV
	FUSED HEAVY DUTY DISCONNECT
	DIRECTIONAL EXIT LIGHT, VERIFY WITH ARCHITECTURAL EGRESS PLAN
	EMERGENCY TRIM-HEAD FIXTURE
	EMERGENCY LIGHT BEAM



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COTA VERA SWIM CLUB
CHULA VISTA, CA
HOMEFEEED 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: TRASH ENCLOSURE
SHEET TITLE:

LEVEL 1 ELECTRICAL LAYOUT

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

E2.1
JOB NUMBER: HS22244