

SPECIAL INSPECTIONS & TESTING

SEE SHEET S002 AND SPEC SECTION 014533 FOR REQUIRED SPECIAL INSPECTIONS AND TESTING

DEFERRED SUBMITTALS

- FIRE ALARM
- FIRE SPRINKLER
- WATERSLIDES
- GLASS HANDRAILS / GUARDRAILS
- CURTAIN WALLS
- STEEL STAIRS
- POST TENSION SLABS ON GRADE
- STRUCTURAL STEEL CONNECTIONS
- EXTERIOR COLD-FORMED FRAMING
- INTERIOR COLD-FORMED FRAMING
- MASON JACK-UP FLOOR SYSTEM
- ANSUL SYSTEM
- RETAINING WALLS

ABBREVIATIONS

Table of abbreviations for construction terms, including AC, ACC, ACST, ACT, ACS PNL, ADJ, AED, AFF, AHU, ALT, ALUM, ANOD, APPROX, ARCH, AWC, etc.

LIFE TIME



DRAWING INDEX

- ARCHITECTURE
G001 TITLE SHEET
G100 CODE PLAN - SITE PLAN
G100-A CODE PLAN - OUTDOOR POOL DECK
G200 ACCESSIBILITY AND SIGNAGE PLAN - SITE
G201 ACCESSIBILITY AND SIGNAGE PLAN - FIRST FLOOR
G202 ACCESSIBILITY AND SIGNAGE PLAN - SECOND FLOOR
AS400-A ENLARGED PLAN - OUTDOOR POOL DECK
AS400-B ENLARGED PLAN - OUTDOOR PLAY, DINING, PICKLE BALL
AS500 SITE DETAILS - GENERIC & TRASH ENCLOSURE DETAILS
AS501 SITE DETAILS - OUTDOOR POOL DECK
AS502 SITE DETAILS - MONUMENT AND TURF
A30 EXTERIOR COLOR ELEVATIONS
A103 EXTERIOR RENDERING - NW NODE (PLAZA)
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A105 EXTERIOR RENDERING - EB MAIN & AVENIDA CAPRICE

- CIVIL
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C3 SECTIONS
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C8 CONCEPTUAL RETAIL SITE EXHIBIT

- LANDSCAPE
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L1 LANDSCAPE NOTES
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L4 LANDSCAPE DETAILS
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- MISCELLANEOUS
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PROPERTY DEVELOPMENT

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

Table with columns: REV, DATE, DESCRIPTION

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PROFESSIONAL OF RECORD
I HEREBY CERTIFY THAT THIS REPORT, SPECIFICATION OR PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A SUSS REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

NAME: MATTHEW J. BRINZA
REG. NO.: 33486
EXP. DATE: 07/31/2023

KEY PLAN
ISSUE DATE: SHEET NO. G001
PUBLICATIONS

MATERIAL INDICATIONS table with various material patterns and names like CONCRETE, BRICK, ALUMINUM, etc.

PROJECT TEAM table with columns: OWNER, ARCHITECT, STRUCTURAL, LANDSCAPE, AQUATICS, OWNER'S REPRESENTATIVE, CONTRACTOR, MECH & ELEC, CIVIL CONSULTANTS, FOOD SERVICE.

SYMBOL LEGEND table with various symbols and their corresponding meanings like DETAIL CALLOUT, BUILDING SECTION, WALL SECTION, etc.



Table with project details and contact information for various team members like ERICKSEN ROED & ASSOCIATES, BRETT NOTVEDT, JOHN LYRENMANN, etc.

Table with project details and contact information for various team members like EMANUELSON-PODAS, INC, MICHAEL WEBERT, MATT FULTS, etc.

Vertical text on the left margin: 3/16/2022 10:17:51 AM

TITLE SHEET - VOLUME 1

NOT FOR CONSTRUCTION

CODE SUMMARY		
NAME OF PROJECT:	LIFE TIME ATHLETIC	
ADDRESS:	OTAY RANCH VILLAGE 8 WEST, CHULA VISTA, CA 91913	
PROPOSED USE:	FITNESS CENTER WITH FOOD SERVICE AREA, POOLS, OFFICES, RETAIL, 2-HR BABY SITTING SERVICE, KIDS ACADEMY	
BUILDING CODE ENFORCEMENT JURISDICTION:	CITY OF CHULA VISTA	
CODES USED:	Listed below with Chula Vista Municipal Code Amendments	
	<ul style="list-style-type: none"> 2019 CALIFORNIA BUILDING CODE (As amended CVMC 15.08) 2019 CALIFORNIA MECHANICAL CODE (CVMC 15.16) 2019 CALIFORNIA PLUMBING CODE (As amended CVMC 15.28) 2019 CALIFORNIA ELECTRICAL CODE (As amended CVMC 15.24) 2019 CALIFORNIA FIRE CODE (As amended CVMC 15.38) 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (As amended CVMC 15.12) 2019 CALIFORNIA ENERGY CODE (As amended CVMC 15.26) 2000 EDITION OF THE URBAN-WILDLAND INTERFACE CODE (As amended CVMC 15.38) 2019 CALIFORNIA HEALTH & SAFETY CODE, THE CALIFORNIA CODE OF REGULATIONS (CCR, TITLE 22, DIVISION 4, CHAPTER 20, PUBLIC SWIMMING POOLS) 	<ul style="list-style-type: none"> 2015 SAN DIEGO COUNTY CODE OF REGULATORY ORDINANCES (TITLE 6) 2016 CALIFORNIA RETAIL FOOD CODE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (ADA) 2019 CALIFORNIA ACCESS COMPLIANCE ADVISORY REFERENCE MANUAL (CACRM), DIVISION 3 & 10 CALIFORNIA CONFERENCE OF DIRECTORS OF ENVIRONMENTAL HEALTH RECREATIONAL HEALTH TECHNICAL ADVISORY COMMITTEE, GUIDELINES FOR THE INSTALLATION AND OPERATION OF WATER SLIDES AND PUBLIC SWIMMING POOLS

MAIN BUILDING DATA:		
CONSTRUCTION TYPE:	TYPE 2A (TBL 601)	
SPRINKLERS:	AUTOMATIC SPRINKLER SYSTEM PROVIDED THROUGHOUT BUILDING IN ACCORDANCE WITH NFPA 13	
FIRE ALARM:	FIRE ALARM SYSTEM WITH VOICE EVACUATION PROVIDED THROUGHOUT BUILDING IN ACCORDANCE WITH STANDPICES, NO	
BUILDING HEIGHT:	50'-0", 2-STORIES	
MEZZANINE:	NO	
HIGH RISE:	NO	
GROSS BUILDING AREA:		
1ST FLOOR:	42,433 SF	
2ND FLOOR:	42,433 SF	
TOTAL:	84,866 SF	

ALLOWABLE AREA MAIN BUILDING:		
PRIMARY OCCUPANCY:	ASSEMBLY, A-3	MIXED OCCUPANCY: YES
SECONDARY OCCUPANCIES:	A-2, B, E, I-4, S-1	NON-SEPARATED MIXED USE OCCUPANCY SECTION 506.3
INCIDENTAL USES:	BOILER ROOM & LAUNDRY ROOM, SECTION 509.	
STORY NUMBER:	DESCRIPTION & USE:	BUILDING AREA PER STORY (ACTUAL)
1	A-3, A-2, B, S-1	42,433 SF
2	A-3, B, S-1, E, I-4	42,433 SF

ALLOWABLE HEIGHT:		
ALLOWABLE (CBC TABLE 504.3, 504.4)	SHOWN ON PLANS	CODE REFERENCE
		TABLE 601
TYPE OF CONSTRUCTION MAIN BLDG.	TYPE 2A	TABLE 601
BUILDING HEIGHT IN FEET MAIN BLDG.	FEET: 85'-0" = H (85' + 20')	50'-0" TABLE 504.3
BUILDING HEIGHT IN STORIES MAIN BLDG.	STORIES: 4 (ABOVE GRADE PLANE)	STORIES: 2 (ABOVE GRADE PLANE) TABLE 504.4

FIRE PROTECTION REQUIREMENTS		
SEE SHEETS G510 THROUGH G521 FOR SPECIFIC FIRESTOPPING, FIREPROOFING, & UL / ASTM DESIGNS		
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET) - TABLE 602	FIRE RESISTANCE RATING FOR TYPE 2A - TABLE 601
	REQ'D	PROVIDED

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET) - TABLE 602	FIRE RESISTANCE RATING FOR TYPE 2A - TABLE 601	REQ'D		DETAIL & SHEET #	CODE REFERENCE	NOTES / UL / ASTM REFERENCE
			REQ'D	PROVIDED			
PRIMARY STRUCTURAL FRAME, INCLUDING COLUMNS			1	1		TABLE 601	
BEARING WALLS:							
EXTERIOR WALLS			1	1		TABLE 601	
PLAN NORTH	X > 30	0 (NON BEARING)				TABLE 602	
PLAN EAST	X > 30	0 (NON BEARING)				TABLE 602	
PLAN SOUTH	X > 30	0 (NON BEARING)				TABLE 602	
PLAN WEST	X > 30	0 (NON BEARING)				TABLE 602	
INTERIOR WALLS			1	1		TABLE 601	
NONBEARING WALLS AND PARTITIONS - EXTERIOR WALLS			0	0			
NONBEARING WALLS AND PARTITIONS - INTERIOR WALLS			0	0		TABLE 601	WALLS & PARTITIONS - METAL STUD, GYP. BD. - UL-V486
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS			1	1		TABLE 601	
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS			1	1		TABLE 601	
INTERIOR EXIT STAIRWAYS			1	1		713.4	METAL STUD GYP BD - UL-V486
SHAFTS - ELEVATOR			1	1		713	METAL STUD GYP BD - UL-V486
SHAFTS - MECH.			1	1		713	METAL STUD GYP BD UL-U415
CORRIDORS			0	0		TABLE 1018.1	
SMOKE PARTITION			0	0		710	
FIRE BARRIER WALL			1	1		TABLE 509	
LIFE SAFETY REQUIREMENTS:							
EMERGENCY LIGHTING:	YES						
EXIT SIGNS:	YES						
FIRE ALARMS:	YES (PARTIAL)						
SMOKE DETECTION SYSTEMS:	YES (PARTIAL)						
PANIC HARDWARE:	YES						

EXIT REQUIREMENTS - NUMBER AND ARRANGEMENT OF EXITS						
FLOOR	OCCUPANT LOAD	REQUIRED	SHOWN ON PLANS	TRAVEL DISTANCE (CBC TABLE 1017.2)	ALLOWABLE DISTANCE	ACTUAL MAX. TRAVEL DISTANCE SHOWN ON PLANS
FIRST FLOOR	979	3	15	250'		
SECOND FLOOR	819	3	3	250'		

- CBC SECTION 1007.1.1 EXCEPTION 2, WHERE A BUILDING IS EQUIPPED THROUGH OUT WITH AN AUTOMATIC SPRINKLER SYSTEM, THE SEPARATION DISTANCE OF THE EXIT DOORS SHALL NOT BE LESS THAN 1/3 OF THE LENGTH OF THE MAX OVERALL DIAGONAL OF THE AREA SERVED.
- EVERY ASSEMBLY OCCUPANCY WITH AN OCCUPANCY GREATER THAN 49 IS TO BE POSTED WITH THE APPROVED OCCUPANT LOAD.
- SIZE OF DOORS - SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32"
- EGRESS SIZING REQUIREMENTS: SECTION 1005, STAIRS: 0.2 INCH PER OCCUPANT, OTHER EGRESS COMPONENTS: 0.15 INCH PER OCCUPANT.

CALIFORNIA GREEN BUILDING STANDARDS CODE
NON-RESIDENTIAL MANDATORY MEASURES CHECKLIST

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET OR N/A	COMMENTS
PLANNING & DESIGN				
1	5.106.1	Storm water pollution prevention	See Civil	
2	5.106.4.1	Short-term bicycle parking	N/A	
3	5.106.4.2	Long-term bicycle parking	N/A	
4	5.106.5.2	Designated parking	N/A	
5	5.106.2.1	Parking staff marking	N/A	
6	5.106.5.3	Electric vehicle (EV) charging	N/A	
7	5.106.8	Light pollution reduction	See Photometric plans	
8	5.106.10	Grading and Parking	See Civil	
ENERGY EFFICIENCY				
9	5.201.1	Ence	M001 - M015	Project designed to meet CA Energy Code, CCR Title 24, Part 6
WATER EFFICIENCY AND CONSERVATION				
10	5.303.1	Meters	Section 22 05 19	
11	5.303.1.1	New buildings in excess of 50,000 SF	N/A	
12	5.303.1.2	Ence conservation	N/A	
13	5.303.3	Water conserving plumbing fixtures & fittings	F403	
14	5.303.3.1	Water closets	F403	
15	5.303.3.2	Urinals	F403	
16	5.303.3.3	Showerheads	F403	
17	5.303.4.1	Food waste disposers	F403	
18	5.303.5	Break of address on observations	P100 - P105	
19	5.303.6	Standards for plumbing fixtures and fittings	Section 22 01 00	
OUTDOOR WATER USE				
20	5.304.1	Scapes	See Civil	Project designed to meet CCR Title 24, Division 2, Chapter 2.7
21	5.304.2	Outdoor water use in landscape areas greater than 500 SF	See Civil	See plans for compliant calculations.
22	5.304.3	Outdoor water use in rehabilitated landscape projects	N/A	
23	5.304.4	Outdoor water use in landscape areas greater than 2,500 SF	See Civil	
24	5.304.4	Outdoor water use in landscape areas less than 2,500 SF	N/A	
25	5.304.5	Gravel or mulch use in landscape areas	See Civil	
WEATHER RESISTANCE AND MOISTURE MANAGEMENT				
26	5.407.1	Weather protection	Division 07	Project designed with weather-resistant exterior wall and foundation envelope as required by CBC and CA Energy code.
27	5.407.2	Moisture control	Division 07	
28	5.407.2.1	Spikes		Project designed with irrigation systems that prevent moisture penetration
29	5.407.2.2	Interior wall openings	A530	
30	5.407.2.2.1	Exterior door protection	A131	Primary exterior entry covered by an overhang greater than 6'-0" in depth
31	5.407.2.2.2	Roofs	A530	
CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING				
32	5.408.1	Construction waste management	Section 01 74 00	
33	5.408.1.1	Construction waste management plan	Section 01 74 00	Specifications require conformance to Section 5.408.
34	5.408.1.2	Waste management company	Section 01 74 00	Specifications require conformance to Section 5.408.
35	5.408.1.3	Waste reduction alternative	Section 01 74 00	Specifications require conformance to Section 5.408.
36	5.408.1.4	Documentation	Section 01 74 00	Specifications require conformance to Section 5.408.
37	5.408.1.5	Excavated soil and land clearing debris	Section 01 74 00	Specifications require conformance to Section 5.408.
BUILDING MAINTENANCE AND OPERATION				
38	5.410.1	Building components	A101	Resolving by Occupants areas are noted on plan with "M" symbol. See legend
39	5.410.2	Commissioning	Commissioning Plan	See Provided Commissioning Plan
40	5.410.2.1	Owner's project requirements (OPR)	OPR Document	See Provided OPR Document
41	5.410.2.2	Basic of design (BOD)	BOD Document	See Provided BOD Document
42	5.410.2.3	Commissioning plan	Commissioning Plan	See Provided Commissioning Plan
43	5.410.2.4	Functional performance testing	Commissioning Plan	See Provided Commissioning Plan
44	5.410.2.5	Documentation and training	Commissioning Plan	See Provided Commissioning Plan
45	5.410.3.1	System manual	N/A	System Manual will be provided to owner at construction completion. Requirements outlined in OPR and Commissioning Plan
46	5.410.3.2	System operation training	N/A	System Operation Training will be provided to owner at construction completion. Requirements outlined in OPR and Commissioning Plan
47	5.410.3.6	Commissioning report	N/A	Commissioning Report will be provided to owner at construction completion. Requirements outlined in OPR and Commissioning Plan
48	5.410.4	Testing and adjusting	N/A	T&A Report will be provided to owner at construction completion. Requirements outlined in Specifications and Commissioning Plan
49	5.410.4.2	Systems	N/A	System Manual will be provided to owner at construction completion. Requirements outlined in OPR, Specifications and Commissioning Plan
50	5.410.4.3	Procedures	N/A	System Manual will be provided to owner at construction completion. Requirements outlined in OPR and Commissioning Plan
51	5.410.4.3.1	HVAC Balancing	N/A	T&A Report will be provided to owner at construction completion. Requirements outlined in Specifications and Commissioning Plan
52	5.410.4.4	Inspection	N/A	Commissioning Report will be provided to owner at construction completion. Requirements outlined in OPR, Specifications and Commissioning Plan
53	5.410.4.5	Operation and maintenance manual	N/A	Commissioning Report will be provided to owner at construction completion. Requirements outlined in OPR, Specifications and Commissioning Plan
54	5.410.4.5.1	Inspection and reports	N/A	Commissioning Report will be provided to owner at construction completion. Requirements outlined in OPR, Specifications and Commissioning Plan
ENVIRONMENTAL QUALITY				
55	5.503.1	Indoors	N/A	There are no fireplaces in this project
56	5.503.1.1	Woodstoves	N/A	There are no woodstoves in this project
POLLUTANT CONTROL				
57	5.504.1	Temporary ventilation	Section 01 05 00	Part 1.11 - See Considerations.
58	5.504.3	Covering of duct opening and protection of mechanical equipment during construction	Section 23 01 00	
59	5.504.4	Final material pollutant control	See specifications - Division 9	
60	5.504.4.1	Address, Sectors, and Ceilings	Section 09 01 00	Part 1 - General
61	5.504.4.3	Paints and Coatings	Section 09 01 00	Part 1 - General
62	5.504.4.3.1	Aerofol paints and coatings	Section 09 01 00	Part 1 - General
63	5.504.4.3.2	Vaporizers	Section 09 01 00	Part 1 - General
64	5.504.4.4	Carpet systems	Section 09 08 13	Part 1 - General
65	5.504.4.4.1	Carpet cushion	N/A	
66	5.504.4.4.2	Carpet adhesive	Section 09 08 13	Part 2 - Products
67	5.504.4.5	Composite wood products	Section 09 40 00	
68	5.504.4.5.3	Documentation		To be determined by enforcing agency
69	5.504.4.6	Resilient flooring systems	Section 09 05 19	
70	5.504.4.6.1	Verification of compliance	M001-M013	
71	5.504.5.3	Filters	M001	See drawings for "No Smoking" signage
72	5.504.7	Environmental tobacco smoke (ETS)	G0303	See drawings for "No Smoking" signage
INDOOR MOISTURE AND RADON CONTROL				
73	5.505.1	Radon moisture control	A140, A440	The design complies with CCR, Title 24, Part 2 Section 1203 and Chapter 14
AIR QUALITY AND EXHAUST				
74	5.505.1	Exclude air delivery	M001	The ventilation rates comply with CA energy code. See RTU schedules
75	5.505.2	Carbon dioxide (CO2) monitoring	M001	CO2 sensors comply with CA energy code.
ENVIRONMENTAL COMFORT				
76	5.507.1	Acoustical control	N/A	Occupants are not affected by exterior noise
77	5.507.4.1	Exterior noise transmission, Prescriptive method	N/A	Occupants are not affected by exterior noise
78	5.507.4.3	Interior sound transmission	A622, A623	Occupants are not affected by exterior noise
OUTDOOR AIR QUALITY				
79	5.508.1	Ozone depletion and global warming reductions	M001	All refrigerant is R-410A, a non-CFC. See RTU and AC schedules.
80	5.508.1.1	HFCs	M001	All refrigerant is R-410A, a non-CFC. See RTU and AC schedules.
81	5.508.1.2	Hydrocarbons	M001	All refrigerant is R-410A, a non-halon. See RTU and AC schedules.

GENERAL NOTES:

- THE FOLLOWING ROOMS AND SPACES TO BE USED FOR KIDS CAMP: OUTDOOR POOL #AQ122 & #AQ123, OUTDOOR PLAY #KA104 STUDIO ACTIVITIES #KA122, AND GYM #GY201.

PLUMBING FIXTURE ANALYSIS:
BUILDING OCCUPANT LOAD = 1,335
SITE OCCUPANT LOAD = 1,757
TOTAL RELEVANT OCCUPANT LOAD: 1,335 + 1,757 = 3,092
2019 CALIFORNIA PLUMBING CODE - SECTION 422.0 TABLE 4-1 AND TABLE 422.1

OCCUPANCY TYPE	OCCUPANCY	WATER CLOSETS		URINALS		LAVATORIES		DRINKING FOUNTAINS		SERVICE SINKS	
		REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED 1 PER 200	PROVIDED	REQUIRED (3,750 + 1/500)	PROVIDED	REQUIRED	PROVIDED
A-3 ASSEMBLY	MEN - 1,546	(3,400 + 1/500)	8	(4,600 + 1/300)	8	(4,750 + 1/250)	15	--	--	--	--
	WOMEN - 1,546	(8,400 + 1/125)	18	--	--	(6,750 + 1/200)	20	--	--	--	--
TOTAL	3,092	24	26	8	8	19	35	8	10	1	3

SEISMIC DESIGN CATEGORY - D

SEISMIC BRACING OF NON-STRUCTURAL BUILDING COMPONENTS NOTES:
SEISMIC BRACING OF NON-STRUCTURAL BUILDING COMPONENTS, INCLUDING BRACING AND ANCHORAGE, IS BY SUPPLIER OF INDIVIDUAL COMPONENTS. SEE TABLE BELOW, REFER TO SPECIFICATIONS FOR FURTHER GUIDANCE. SUBMIT DEFERRED DESIGN SEISMIC CALCULATIONS AND DETAILS CERTIFIED BY AN ENGINEER REGISTERED IN THE STATE OF CALIFORNIA FOR ARCHITECT REVIEW.
SEISMIC BRACING DESIGN AND ANCHORAGE TO INCLUDE ALL COMPONENTS NECESSARY TO PROVIDE A SEISMIC LOAD PATH TO THE BASE BUILDING STRUCTURE WITHOUT NEED FOR SUPPLEMENTAL SUPPORTS.
IP = 1 IS REQUIRED FOR COMPONENTS RELATED TO LIFE SAFETY OR CONTAINING HAZARDOUS MATERIALS.

SPECIAL INSPECTIONS:
PERIODIC SPECIAL INSPECTIONS FOR THE FOLLOWING ITEMS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY ACCORDING TO CBC CHAPTER 17:
1. INTERIOR NON-BEARING WALL WEIGHING MORE THAN 15 PSF.
2. EXTERIOR CLADDING AND INTERIOR EXTERIOR VENEER WEIGHING MORE THAN 5 PSF.
3. SPRAYED FIRE-RESISTANT MATERIALS.
4. ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS.
5. FLAMMABLE, COMBUSTIBLE, OR HIGHLY TOXIC PIPING SYSTEMS AND THEIR ASSOCIATED MECHANICAL UNITS.

DEPT.	COMPONENT OR SYSTEM	IP	SEISMIC BRACING REQ'D
M	FIRE PROTECTION EQUIP. AND SYSTEMS	T5	Y
M	WATER HEATERS AND UNIT HEATERS	1.0	Y
M	GAS PIPE SYSTEMS	1.5	Y
M	HVAC DUCTS	1.0	Y
M	OTHER PIPE SYSTEMS	1.0	Y
E	EMERGENCY OR STANDBY ELECTRICAL SYSTEMS	1.5	Y
E	ELECTRICAL CONDUIT	1.0	Y
E	ELECTRICAL PANEL BOARDS (GEN. ELEC. EQUIP.)	1.0	Y
E	LIGHTING FIXTURES	1.0	Y
E	SWITCHGEAR (GEN ELEC EQUIP)	1.0	Y
E	TRANSFORMERS (GEN ELEC EQUIP)	1.0	Y
A	CEILING TILE GRID	1.0	Y
A	PARTITION WALLS	1.0	Y

HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS)

PRODUCT/CHEMICAL NAME	MANUFACTURER'S NAME	COMPONENT/CHEMICAL CONSTITUENTS	CAS INGREDIENT	CAS % OF MIX	(CAS) #	LOCATION (STORED OR USED)	MAXIMUM QUANTITY IN STORAGE	IFC PHYSICAL HAZARD CLASSIFICATION	IFC HEALTH HAZARD CLASSIFICATION	OTHER HAZARD	SIZE/QUANTITY OF CONTAINER	MAXIMUM QUANTITY IN USE (CLOSED SYSTEM)	MAXIMUM QUANTITY IN USE (OPEN SYSTEM)	AGGREGATE QUANTITIES (IFC HAZARD)	STORAGE METHOD FOR PRODUCT	PHYSICAL STATE (TEMP/PRESS)	MATERIAL SAFETY DATA SHEET NAME	NFPA 704 H	NFPA 704
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SITE CODE PLAN NOTES:

1. SEE BUILDING CODE PLANS AND ACCESSIBILITY AND SIGNAGE PLANS FOR ADDITIONAL CODE INFORMATION

GENERAL NOTES:

- EVERY ASSEMBLY OCCUPANCY WITH AN OCCUPANCY GREATER THAN 49 IS TO BE POSTED WITH THE APPROVED OCCUPANT LOAD.
- ACCESSIBLE STOOPS TO CONNECT WITH ACCESSIBLE ROUTE (1:20 RUNNING SLOPE, 1:48 CROSS SLOPE)

KEYNOTE LEGEND

21.012	FIRE DEPARTMENT CONNECTION
26.300	TRANSFORMER - SEE CIVIL AND ELECTRICAL
32.006	BIKE RACK - SEE DETAIL
32.009	TRASH/RECYCLING ENCLOSURE - SEE DETAIL
32.014	FIRE HYDRANT - SEE CIVIL
32.016	RETAINING WALL - SEE CIVIL
32.029	FIRE DEPARTMENT LOCK BOX - VERIFY LOCATION AND TYPE WITH FIRE MARSHAL

LIFETIME
HEALTHY WAY OF LIFE
2902 CORPORATE PLACE CHANHASSEN, MN 55317
CONSULTANT

LIFETIME
PROPERTY DEVELOPMENT

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION

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NAME: MATTHEW J. BRINZA REG. NO.: 33496
EXP DATE: 07/31/2023
STAMP

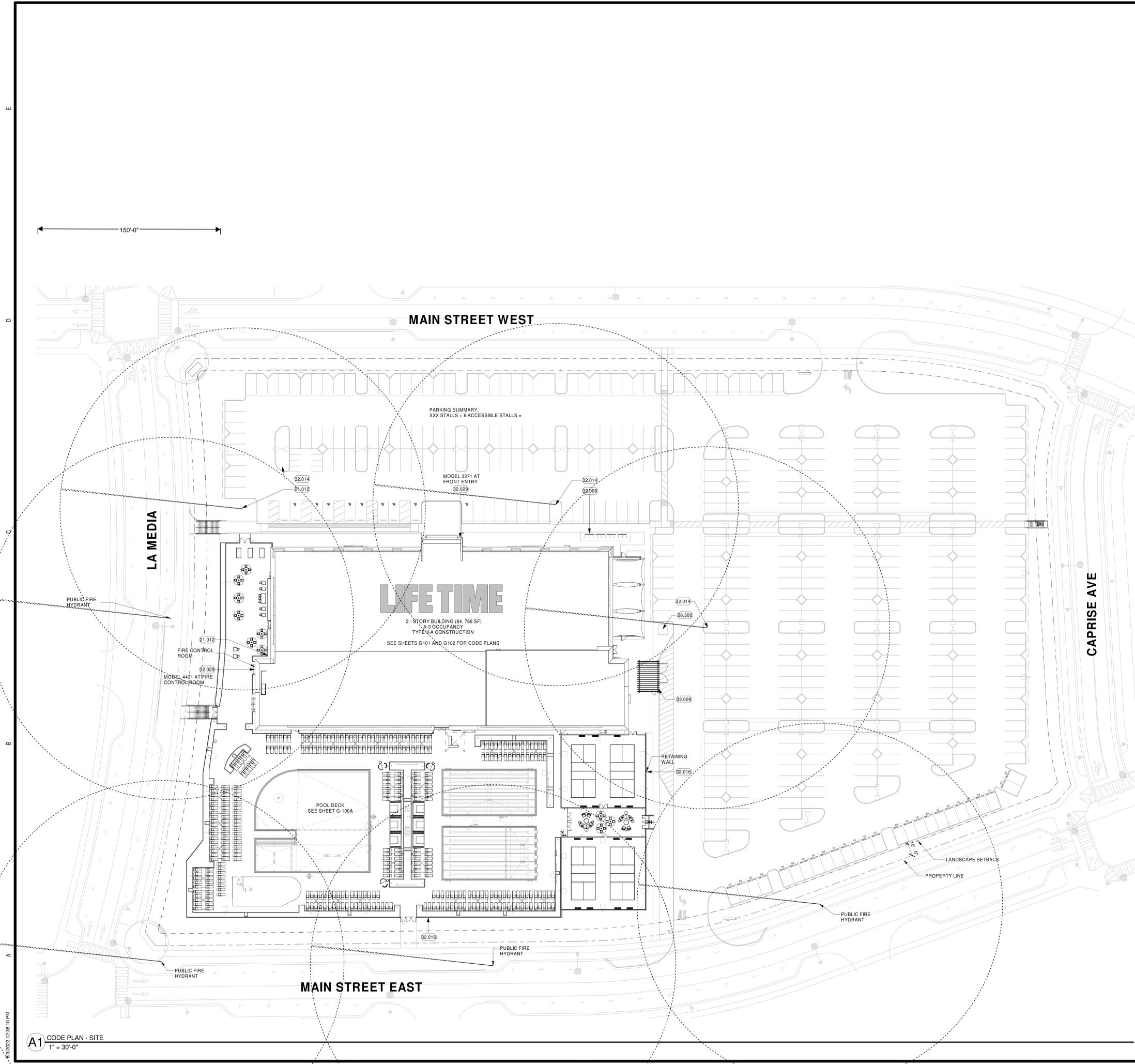
ISSUE DATE: 06/30/22

SHEET NO.

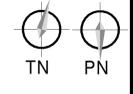
G100

PUBLICATIONS
ISSUE FOR PERMIT

CODE PLAN - SITE



A1 CODE PLAN - SITE
1" = 30'-0"



6/30/2022 12:36:10 PM

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

OUTDOOR OCCUPANTS AND EXITS

TOTAL OCCUPANTS
TOTAL POOL DECK & POOLS = 2,287
EXITING FROM MAIN BUILDING ONTO POOL DECK = 307
TOTAL = 2,594

REQUIRED EXIT WIDTH FROM POOL DECK
2,594 X 0.15 = 389.1"

TOTAL EXIT WIDTH PROVIDED
412"

DRAWING LOG

REV	DATE	DESCRIPTION

CONFIDENTIALITY NOTICE

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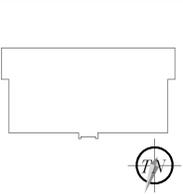
PROFESSIONAL OF RECORD

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA

NAME: MATTHEW J. BRINZA
REG. NO.: 33496
EXP. DATE: 07/31/2023

STAMP

KEY PLAN



ISSUE DATE:

SHEET NO.

G100-A

PUBLICATIONS

CODE LEGEND:

- FE FIRE EXTINGUISHER ON BRACKET (SHOWN ROUND) - FE SHOWN ROUND AT MILLWORK TO BE MOUNTED WITHIN MILLWORK. SHOWN ON PLANS OUTSIDE MILLWORK FOR CLARITY ONLY. COORDINATE WITH MILLWORK.
 - FE(K) FIRE EXTINGUISHER, CLASS K, ON BRACKET
 - FEC-1 FIRE EXTINGUISHER CABINET-SEMI-RECESSED (SHOWN RECTANGULAR)
 - FEC-2 FIRE EXTINGUISHER CABINET-SURFACE MOUNTED (SHOWN RECTANGULAR) CUT WALL PADS AROUND CABINET "ABC" PROTOTYPICAL 2A10BC
 - AED FIRE EXTINGUISHER CABINET-SURFACE MOUNTED AUTOMATED EXTERNAL DEFIBRILATOR
 - EWC ELECTRIC WATER COOLER
 - EPH EXITING PANIC HARDWARE AT DOOR
 - MEL ELECTROMAGNETIC EGRESS LOCK
 - SS SERVICE SINK
- Room name → ROOM
101 → ROOM NUMBER
B(GROSS) → OCCUPANCY CLASSIFICATION
150 SF → AREA
A-2(EG) → AREA PER OCCUPANT
Calc. Occ Load DCC → NUMBER OF OCCUPANTS
- PATH OF TRAVEL/TRAVEL DISTANCE (SEE TABLES AND PLANS)
 - FIRE BARRIER 1-HOUR FIRE RESISTANCE RATING WITH 60 MINUTE DOORS
 - FIRE BARRIER 2-HOUR FIRE RESISTANCE RATING WITH 90 MINUTE DOORS
 - SMOKE CURTAIN
- ♿ ACCESSIBLE TURNING RADIUS (60") AS REQUIRED
 - ♿ ACCESSIBLE CLEAR FLOOR SPACE (30" X 48") PROVIDED
 - ♿ DESIGNED FOR ACCESSIBILITY PER ANSI A117.1
- EXIT
→ OCCUPANT LOAD
→ EXIT NUMBER
→ HARDWARE NUMBER

GENERAL NOTES:

- EVERY ASSEMBLY OCCUPANCY WITH AN OCCUPANCY GREATER THAN 40 IS TO BE POSTED WITH THE APPROVED OCCUPANT LOAD.
- ACCESSIBLE STAIRS TO CONNECT WITH ACCESSIBLE ROUTE (1:20 RUNNING SLOPE, 1:48 CROSS SLOPE)

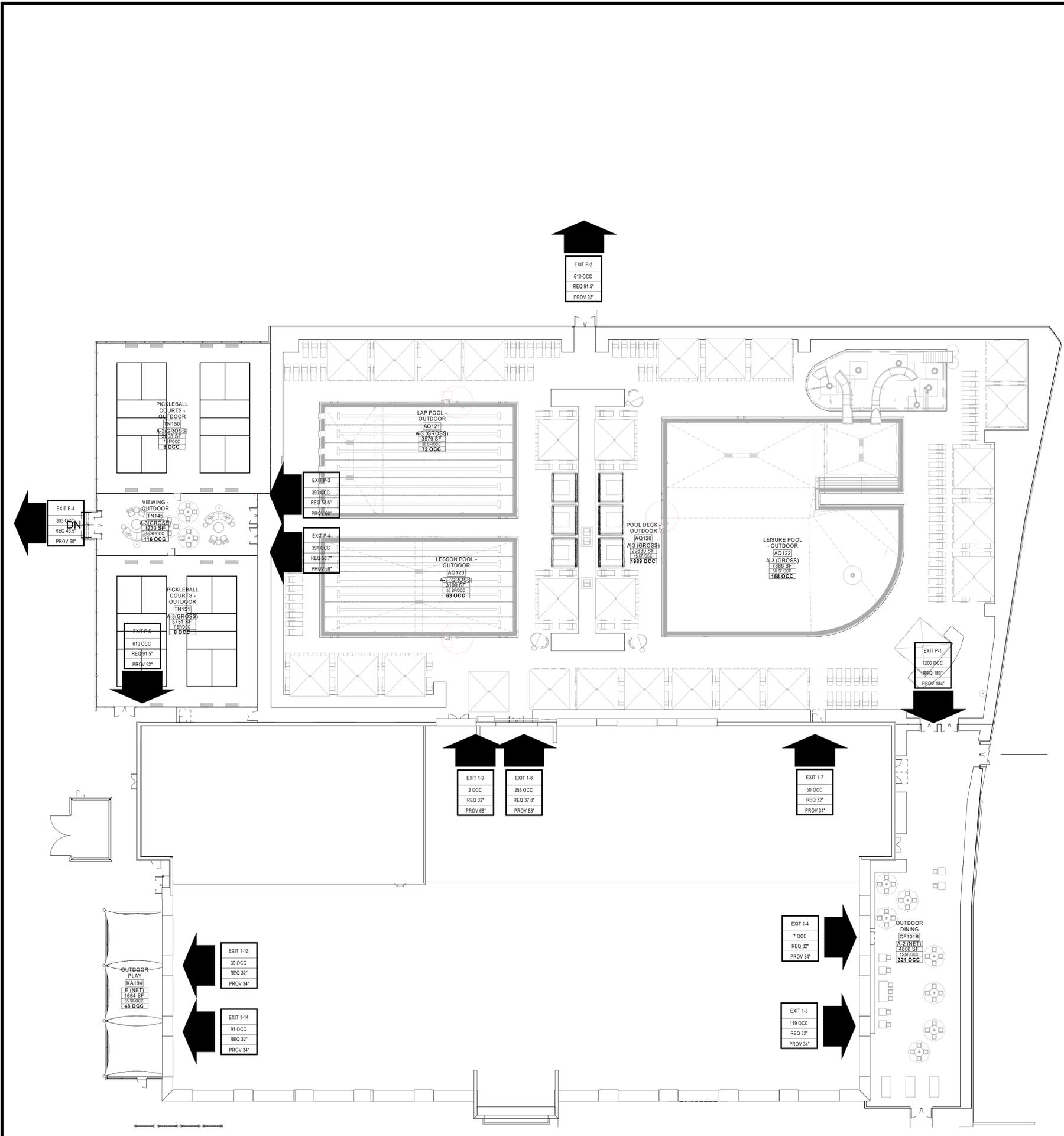
CODE PLAN - OUTDOOR POOL DECK

NOT FOR CONSTRUCTION

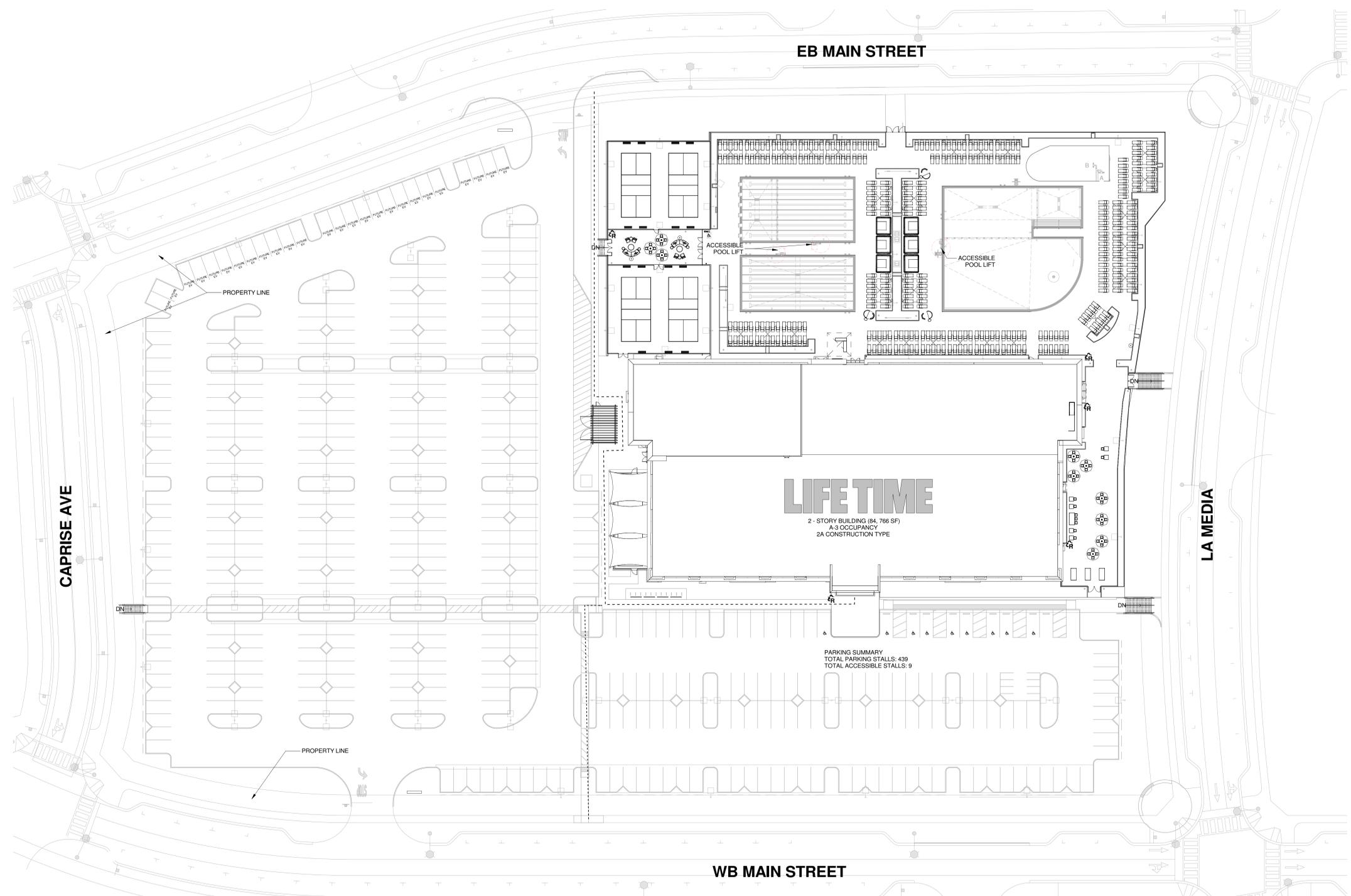
E
D
C
B
A

3/18/2022 10:18:19 AM

A1 SITE PLAN - OUTDOOR POOL DECK
1/16" = 1'-0"



E
D
C
B
A



A1 ACCESSIBILITY AND SIGNAGE PLAN - SITE
1" = 30'-0"

LEGEND

- DESIGNED FOR ACCESSIBILITY PER ANSICC A117.1
- ACCESSIBLE ROUTE
- ACCESSIBLE TURNING RADIUS (60') AS REQUIRED
- ACCESSIBLE CLEAR FLOOR SPACE (30' X 48') PROVIDED
- ACCESSIBLE LOCKER
- LOCATION OF TRIPLE STREAM COLLECTION RECEPTACLES FOR TRASH, RECYCLABLES AND FOOD/ORGANIC WASTE.

GENERAL NOTES:

1. SEE CIVIL REFERENCE DRAWINGS FOR MORE DETAILS ON PRECISE GRADING AND SLOPES
2. ALL EXIT SIGNS AND EXIT ROUTES SIGNS SHALL BE INSTALLED PER AD.18. PRECISE SIGN LOCATIONS TO BE VERIFIED DURING INSPECTION
3. TYPICAL SIGN HEIGHT TO TOP OF MOST SIGNS = 60" (UNLESS NOTED OTHERWISE)
4. PLACE SIGN TO LATCH SIDE OF DOOR IF PLACED NEXT TO DOOR
5. IF GROUPS OF SIGNS ARE PLACED CONSULT ARCHITECT FOR PROPER PLACEMENT
6. EVERY ASSEMBLY OCCUPANCY IS TO BE POSTED WITH THE APPROVED OCCUPANT LOAD
7. SEE CODE INFORMATION SHEET FOR ADDITIONAL INFORMATION
8. SEE INTERIOR ELEVATIONS - MOUNTING HEIGHTS SHEET FOR COMPLIANT FIXTURE PARAMETERS

LIFETIME
HEALTHY WAY OF LIFE
2902 CORPORATE PLACE CHANHASSEN, MN 55317
CONSULTANT

LIFETIME
PROPERTY DEVELOPMENT

PROJECT INFORMATION
Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

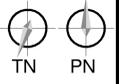
REV	DATE	DESCRIPTION
NOT FOR CONSTRUCTION		

CONFIDENTIALITY NOTICE
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NAME: MATTHEW J. BRINZA REG. NO. 33496
EXP DATE: 07/31/2023
STAMP

ISSUE DATE: 06/30/22
SHEET NO. **G110**
PUBLICATIONS
ISSUE FOR PERMIT

ACCESSIBILITY AND SIGNAGE PLAN - SITE



6/30/2022 12:36:27 PM

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

CONFIDENTIALITY NOTICE

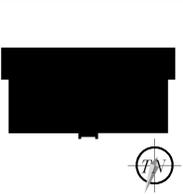
BY ACCEPTING THIS MATERIAL, THE RECIPIENT ACKNOWLEDGES AND AGREES THAT THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND SHALL NOT BE DISCLOSED, DISTRIBUTED OR OTHERWISE TRANSMITTED IN ANY WAY WITHOUT THE EXPRESS WRITTEN CONSENT OF LIFE TIME, INC. OR ITS SUBSIDIARIES. (LTI). THIS MATERIAL AND INFORMATION REMAINS THE SOLE PROPERTY OF LTI AND LTI RESERVES THE RIGHT TO REQUIRE ITS RETURN AT ANY TIME. THE RECIPIENT AGREES TO DEFEND AND INDEMNIFY LTI FROM ANY DAMAGES OR LOSSES ARISING OUT OF THE UNAUTHORIZED USE OR DISCLOSURE OF THE INFORMATION.

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NAME: MATTHEW J. BRINZA REG. NO. 33496
EXP. DATE: 07/31/2023

STAMP

KEY PLAN



ISSUE DATE:

SHEET NO.

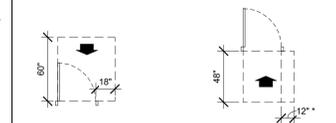
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PUBLICATIONS

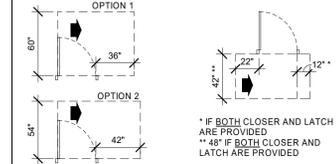
DOOR ACCESSIBILITY CLEARANCES:

NOTE: ALL STATED DIMENSIONS ARE MINIMUM REQUIREMENTS

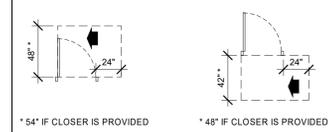
FRONT APPROACH PULL SIDE FRONT APPROACH PUSH SIDE



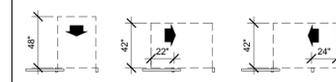
HINGE APPROACH PULL SIDE HINGE APPROACH PUSH SIDE



LATCH APPROACH PULL SIDE LATCH APPROACH PUSH SIDE



*54" IF CLOSER IS PROVIDED *48" IF CLOSER IS PROVIDED



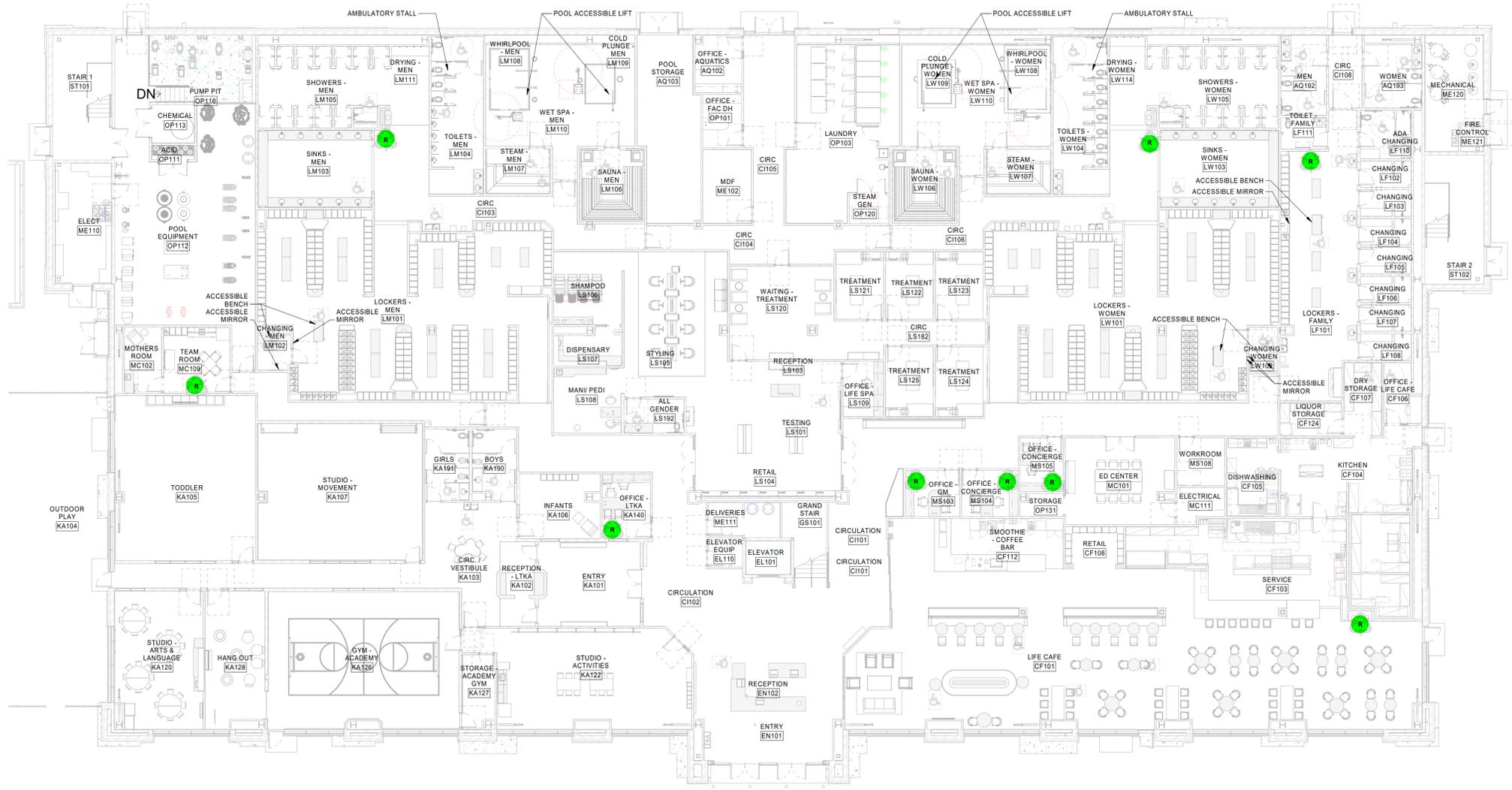
LEGEND

- DESIGNED FOR ACCESSIBILITY PER ANSICC A117.1
- ACCESSIBLE ROUTE
- ACCESSIBLE TURNING RADIUS (60") AS REQUIRED
- ACCESSIBLE CLEAR FLOOR SPACE (30" X 48") PROVIDED
- ACCESSIBLE LOCKER
- LOCATION OF TRIPLE STREAM COLLECTION RECEPTACLES FOR TRASH, RECYCLABLES AND FOOD/ORGANIC WASTE.

GENERAL NOTES:

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8. SEE INTERIOR ELEVATIONS - MOUNTING HEIGHTS SHEET FOR COMPLIANT FIXTURE PARAMETERS

FAMILY LOCKER ROOM TOTAL LOCKER COUNT : 62 LOCKERS.
ACCESSIBLE LOCKER COUNT : 4 LOCKERS.
WOMENS LOCKER ROOM TOTAL LOCKER COUNT : 400 LOCKERS.
ACCESSIBLE LOCKER COUNT : 20 LOCKERS.
MENS LOCKER ROOM TOTAL LOCKER COUNT : 398 LOCKERS.
ACCESSIBLE LOCKER COUNT : 20 LOCKERS.



TOTAL SQFT: 42,433

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D
C
B
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PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

CONFIDENTIALITY NOTICE

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NAME: MATTHEW J. BRINZA REG. NO. 33486
EXP DATE: 07/31/2023
STAMP

ACCESSIBILITY AND SIGNAGE PLAN - SECOND FLOOR

KEY PLAN



ISSUE DATE:

SHEET NO.

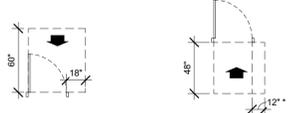
G202

PUBLICATIONS

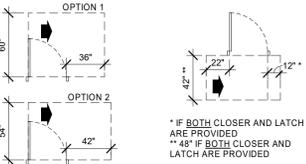
DOOR ACCESSIBILITY CLEARANCES:

NOTE: ALL STATED DIMENSIONS ARE MINIMUM REQUIREMENTS

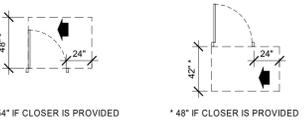
FRONT APPROACH PULL SIDE FRONT APPROACH PUSH SIDE



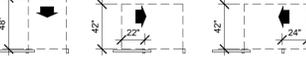
HINGE APPROACH PULL SIDE HINGE APPROACH PUSH SIDE



LATCH APPROACH PULL SIDE LATCH APPROACH PUSH SIDE



SLIDING AND FOLDING DOORS

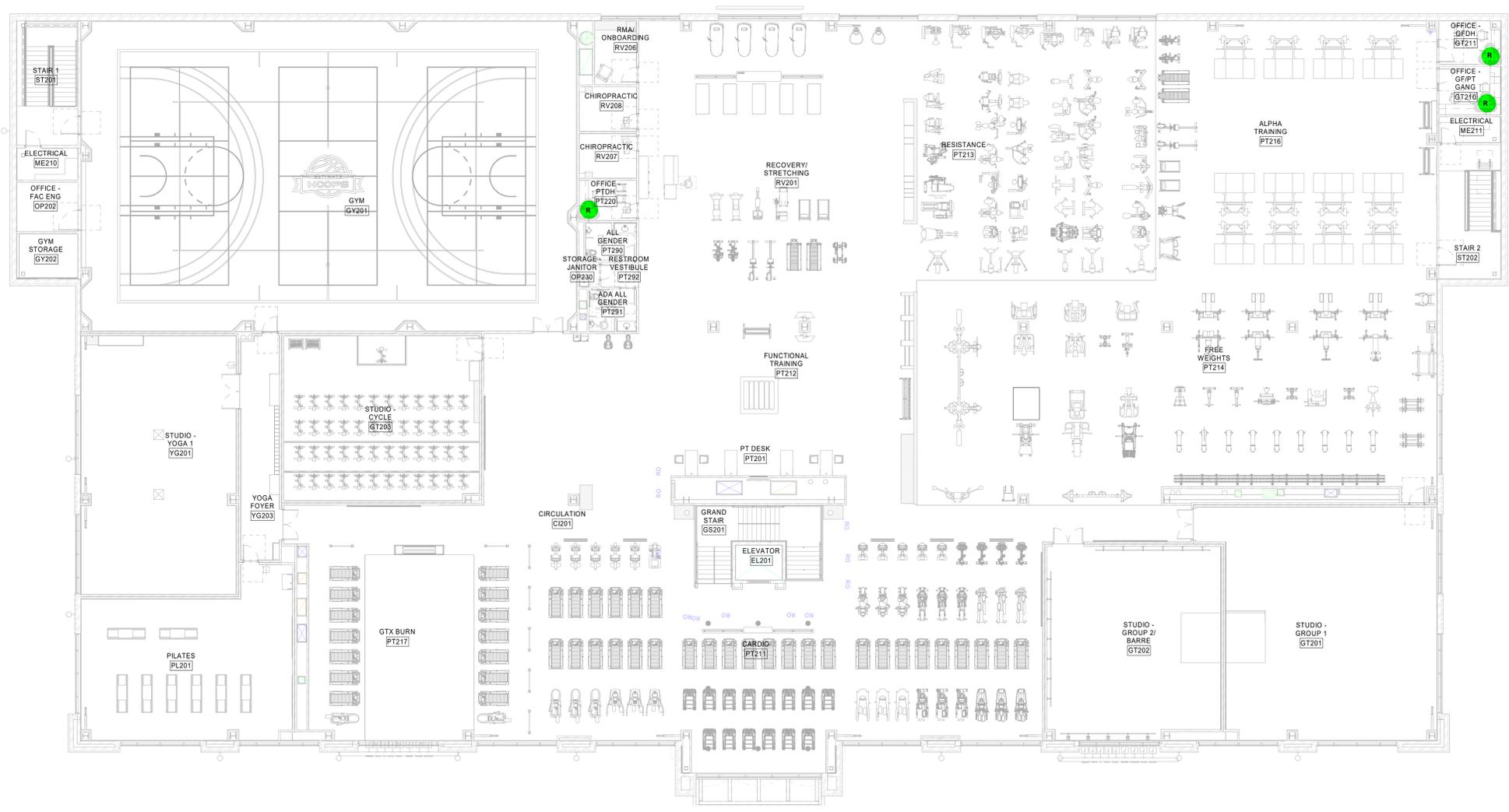


LEGEND

- DESIGNED FOR ACCESSIBILITY PER ANSICC A117.1
- ACCESSIBLE ROUTE
- ACCESSIBLE TURNING RADIUS (60" AS REQUIRED)
- ACCESSIBLE CLEAR FLOOR SPACE (30" X 48" PROVIDED)
- ACCESSIBLE LOCKER
- LOCATION OF TRIPLE STREAM COLLECTION RECEPTACLES FOR TRASH, RECYCLABLES AND FOOD/ORGANIC WASTE.

GENERAL NOTES:

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8. SEE INTERIOR ELEVATIONS - MOUNTING HEIGHTS SHEET FOR COMPLIANT FIXTURE PARAMETERS.



TOTAL SQFT: 42,333

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GENERAL NOTES:

1. POOL DECK SLOPE BETWEEN 1/8" PER FOOT MINIMUM TO 1/4" PER FOOT MAXIMUM TOWARDS DRAIN - TYP.
2. CONCRETE SLABS ON POOL DECK, COLORED TO MATCH ADJACENT POOL DECK FINISH. SUBMIT COLOR TO ARCHITECT FOR APPROVAL.
3. PAINT WATER SLIDE PIPING AND EXPOSED HARDWARE TO MATCH WATER SLIDE STRUCTURE.
4. RECESS DECK SURFACE AT ALL POOL DEPTH TILES AND "NO DIVING" TILES AT POOL EDGE. TOP OF RECESS SHALL BE 1/2" BELOW FINISHED PAVER ELEVATION AND SAME SIZE OF TILE SIGNAGE.
5. POOL DECK TO BE COMPLETELY ENCLOSED BY A FENCE. THE FENCE TO FINISH A MIN OF 6'-4" ABOVE FINISHED GRADE.
6. PROVIDE SOLDIER COURSE (4X8) AT ALL PERIMETER AND DRAIN EDGES.
7. ELEVATION CALL OUT VARIANCE: CIVIL ELEVATION 82'-9" - ARCHITECTURE ELEVATION 100'-0".

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

CONFIDENTIALITY NOTICE

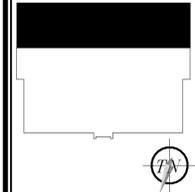
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PROFESSIONAL OF RECORD

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NAME: MATTHEW J. BRINZA REG. NO. 33496
EXP. DATE: 07/31/2023
STAMP

KEY PLAN



ISSUE DATE: 02/03/2022

SHEET NO. AS400-A

PUBLICATIONS CHECK SET 1

ENLARGED PLAN - OUTDOOR POOL DECK

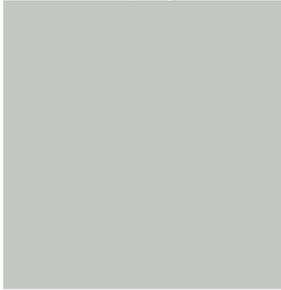
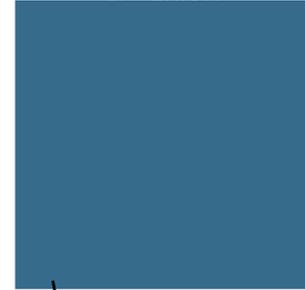
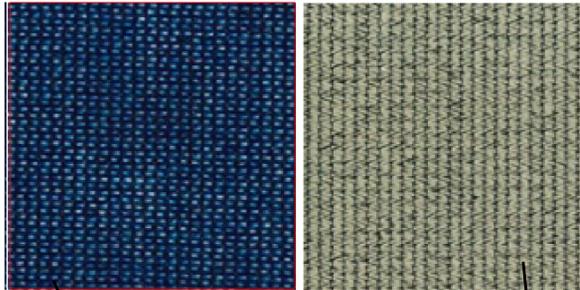


CABANA

DRAPE

EXTERIOR

INTERIOR

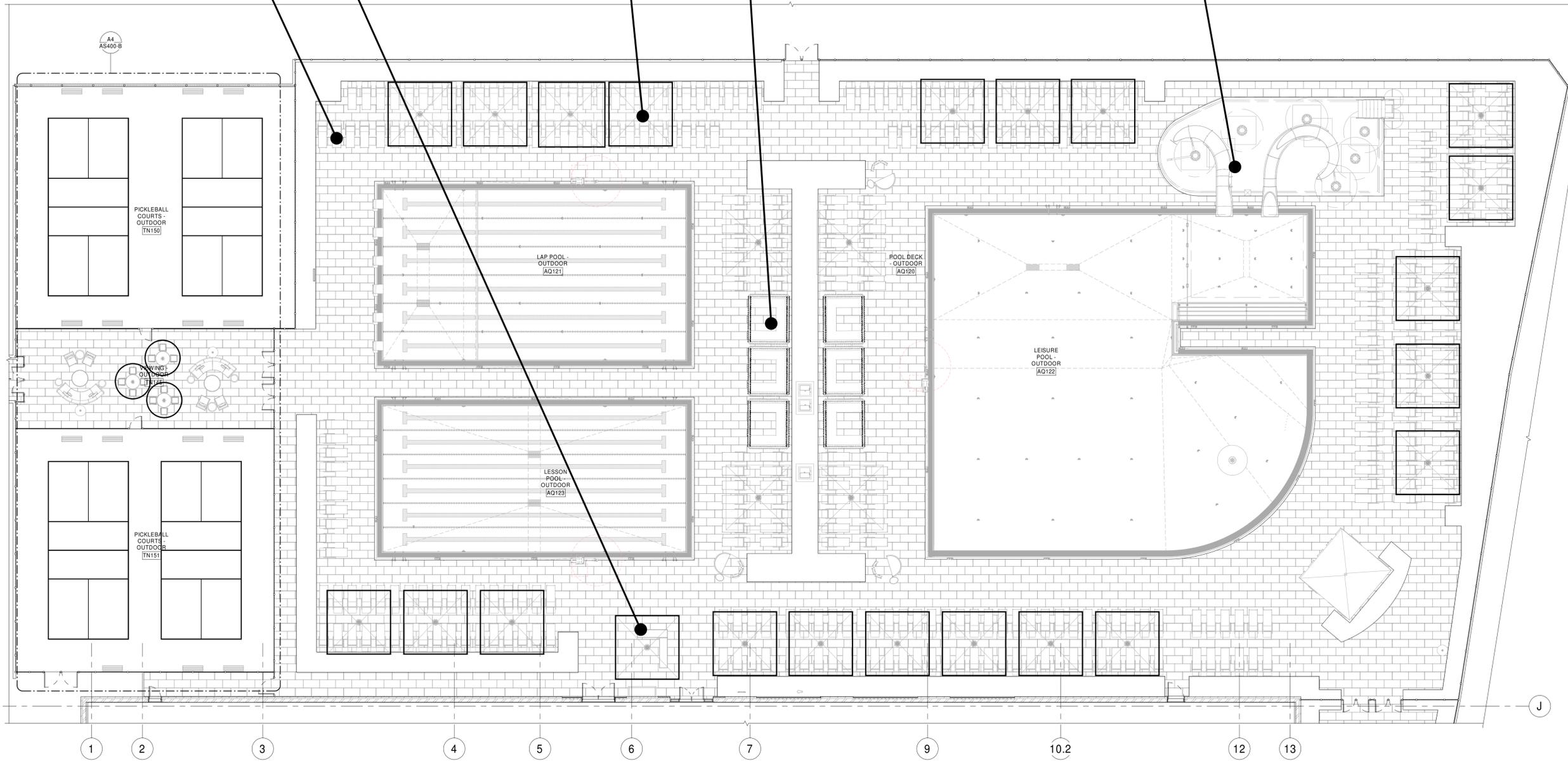


CHAISE LOUNGE UPHOLSTERY

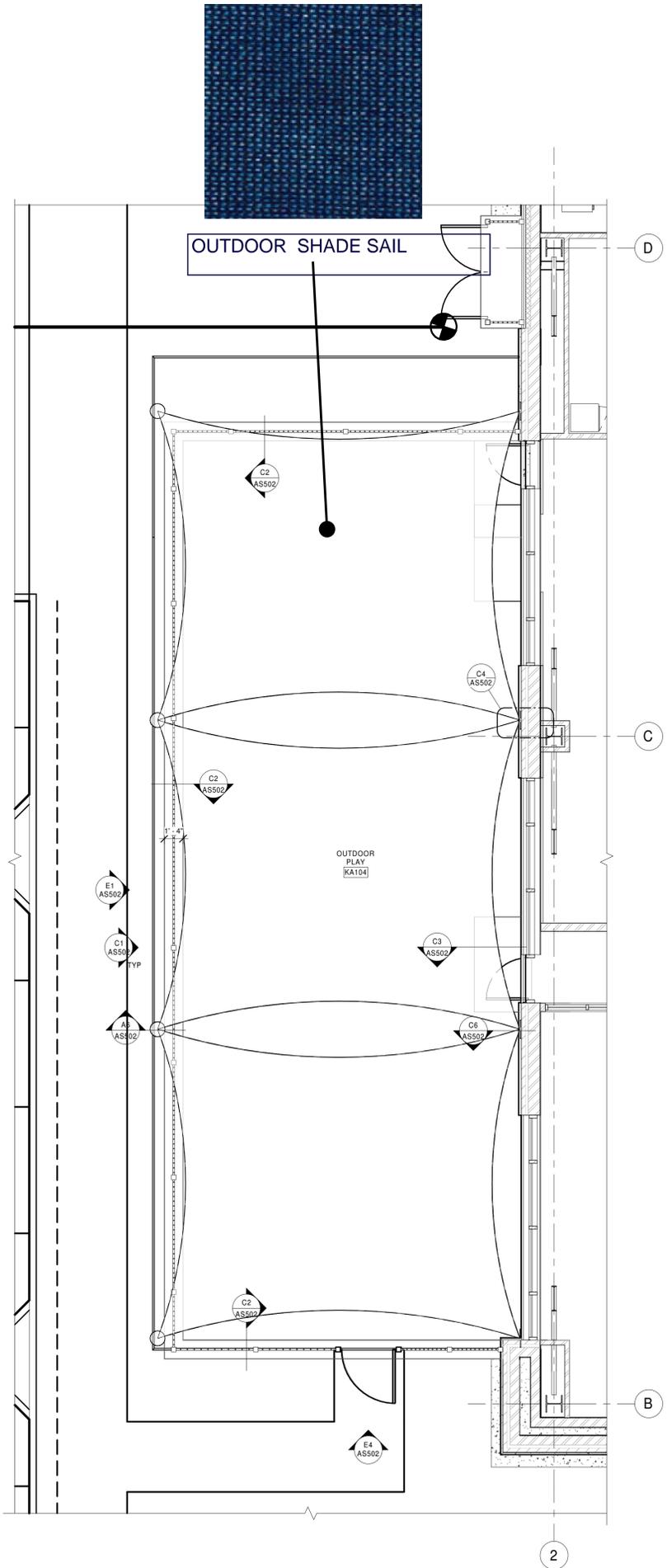
SHADE STRUCTURES

CABANA FRAME AND DRAPE

WATERSLIDE



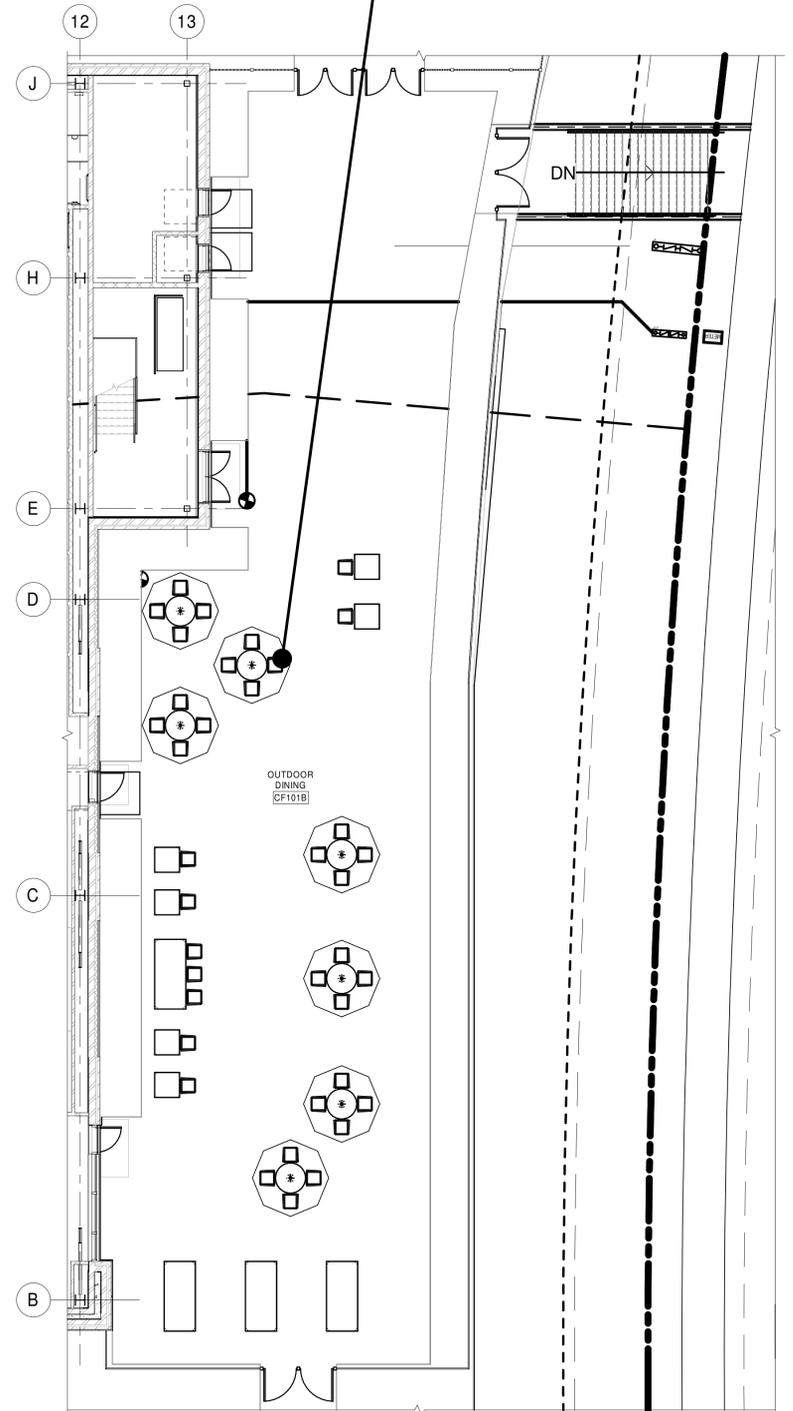
3/17/2022 5:28:45 PM



A1 SITE PLAN - OUTDOOR PLAY
1/4" = 1'-0"



OUTDOOR DINING SHADE



A2 SITE PLAN - OUTDOOR DINING
1/8" = 1'-0"



PICKLE BALL LOUNGE SHADE



PICKLE BALL COURT COLOR



A4 ENLARGED FLOOR PLAN - OUTDOOR PICKLEBALL COURTS
1/8" = 1'-0"

PROJECT INFORMATION

Chula Vista, CA

INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION

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NAME: MATTHEW J. BRINZA REG. NO. 33486
EXP. DATE: 07/31/2023

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NAME: MATTHEW J. BRINZA REG. NO. 33486
EXP. DATE: 07/31/2023
STAMP

KEY PLAN

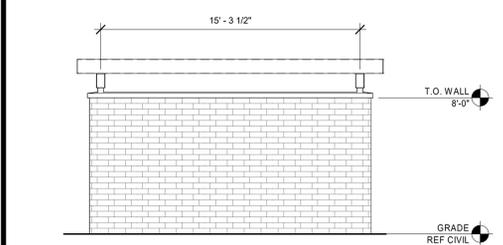


ISSUE DATE:

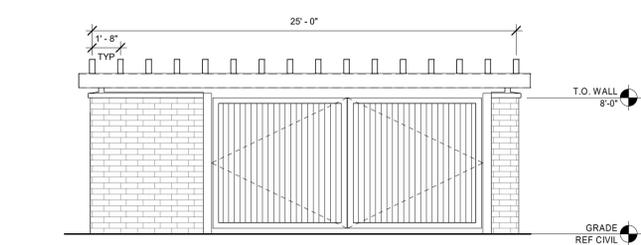
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AS500

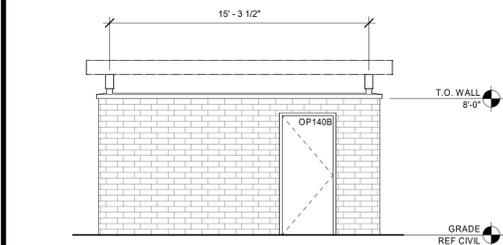
PUBLICATIONS



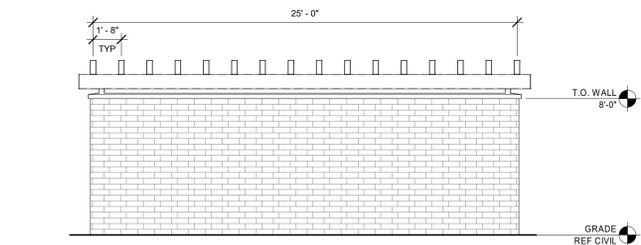
E1 TRASH ENCLOSURE - NORTH
1/4" = 1'-0"



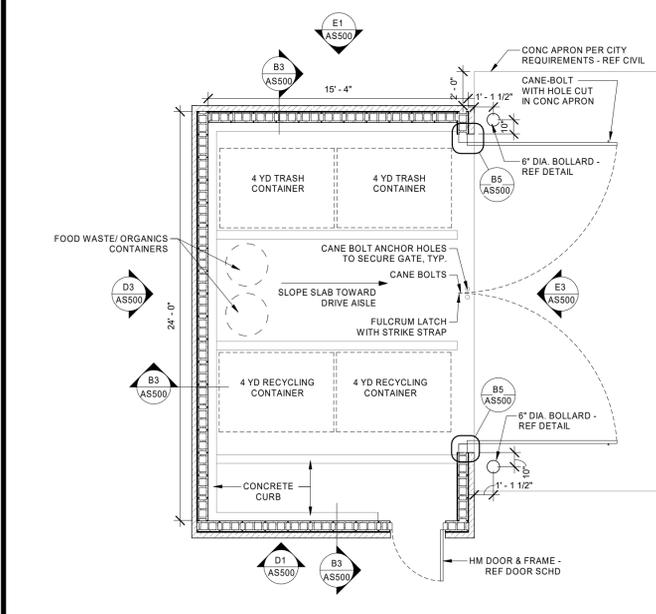
E3 TRASH ENCLOSURE - EAST
1/4" = 1'-0"



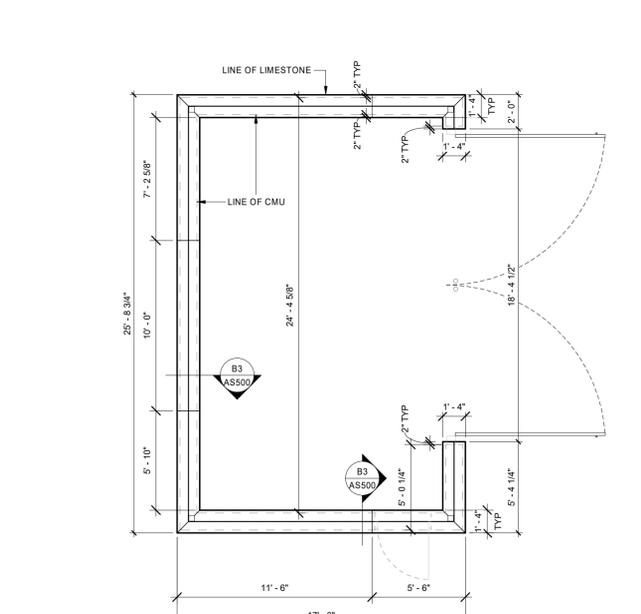
D1 TRASH ENCLOSURE - SOUTH
1/4" = 1'-0"



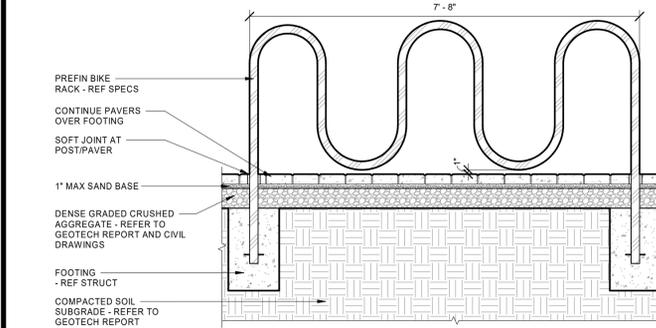
D3 TRASH ENCLOSURE - WEST
1/4" = 1'-0"



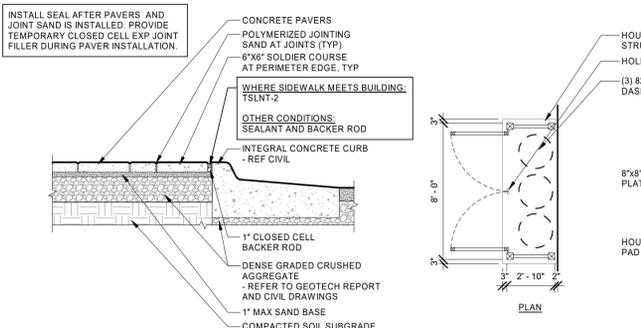
B1 TRASH ENCLOSURE PLAN
1/4" = 1'-0"
DATE LAST MODIFIED: 08/30/2021



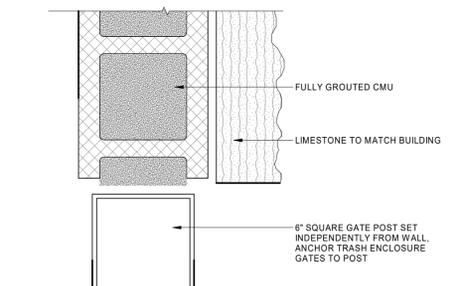
B2 TRASH ENCLOSURE CAP PLAN
1/4" = 1'-0"



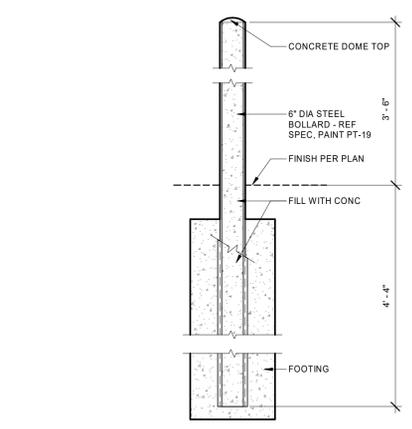
A1 BICYCLE RACK DETAIL
3/4" = 1'-0"



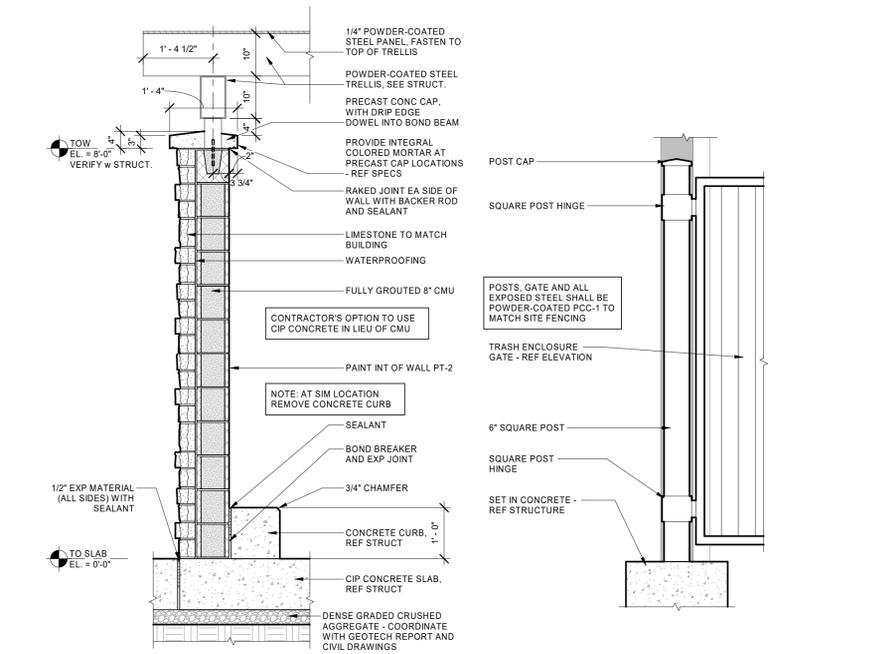
A3 PAVER SIDEWALK TYPICAL - EXPANSION JOINT
3/4" = 1'-0"



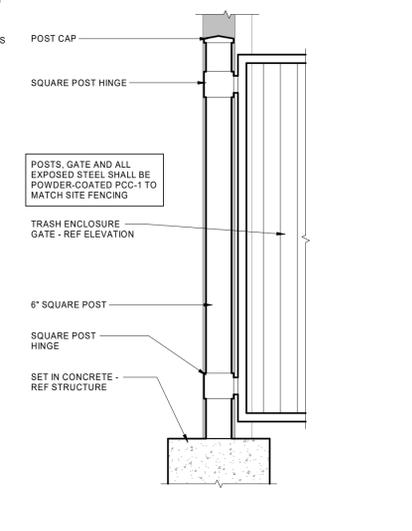
B5 TRASH GATE CONNECTION DETAIL
3" = 1'-0"



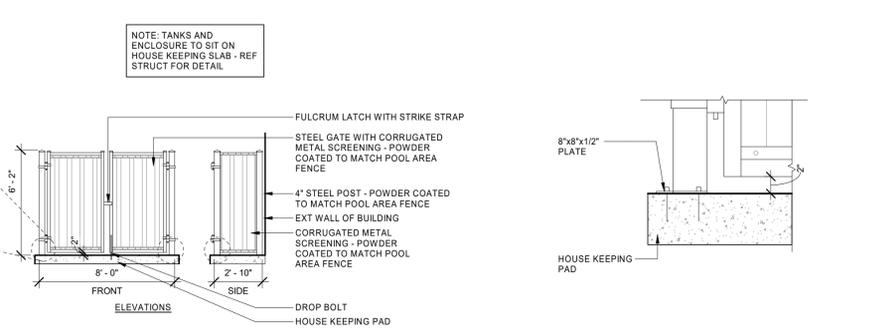
B6 SLEEVED BOLLARD DETAIL
3/4" = 1'-0"



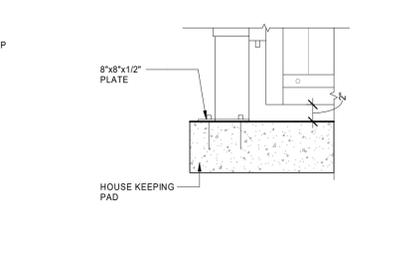
B3 TRASH ENCLOSURE WALL SECTION
3/4" = 1'-0"



B4 TRASH GATE POST DETAIL
3/4" = 1'-0"



A4 CO2 TANK ENCLOSURE DETAIL
1/4" = 1'-0"



A6 POST MOUNTING PLATE
1 1/2" = 1'-0"

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION

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NAME: MATTHEW J. BRINZA REG. NO. 33486
EXP. DATE: 07/31/2023
STAMP

KEY PLAN

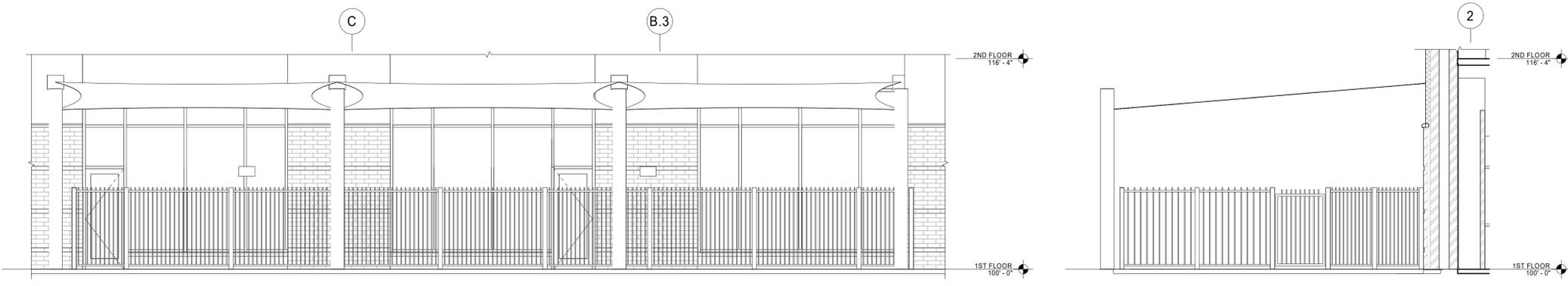
ISSUE DATE:

SHEET NO.

AS502

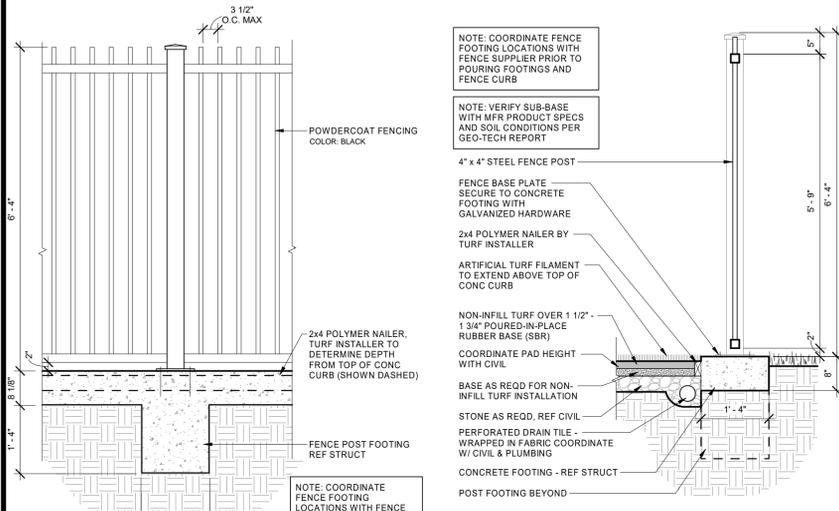
PUBLICATIONS

SITE DETAILS - MONUMENT AND TURF



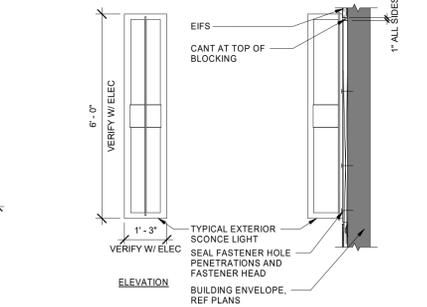
E1 SHADE CANOPY - WEST
1/4" = 1'-0"

E4 SHADE CANOPY - SOUTH
1/4" = 1'-0"

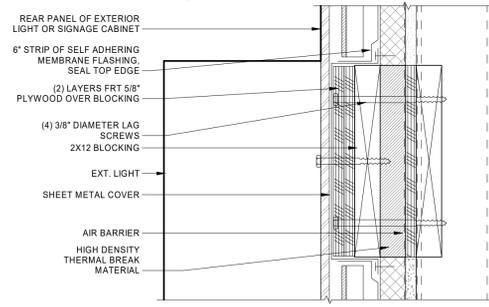


C1 ELEVATION AT PLAY AREA FENCE CURB
3/4" = 1'-0"

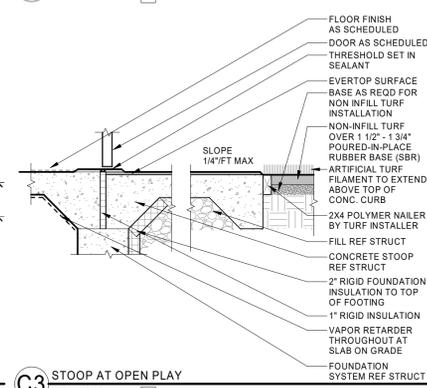
C2 SECTION AT TURF TO FENCE CURB
3/4" = 1'-0"



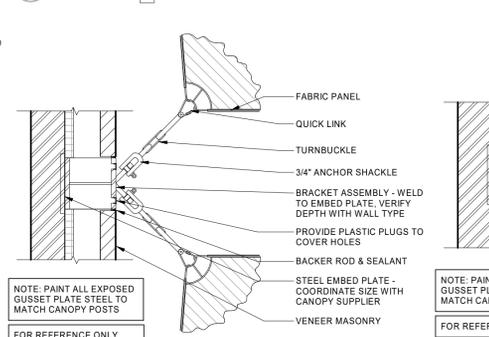
D3 EXTERIOR SCONCE MOUNTING SECTION
1/2" = 1'-0"



D4 TYP. LIGHT FIXTURE ATTACHMENT DETAIL
3" = 1'-0"

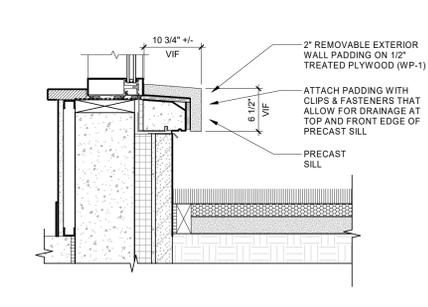


C3 STOOP AT OPEN PLAY
1" = 1'-0"

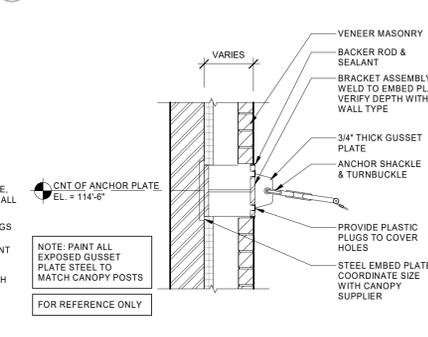


C4 CANOPY DETAIL AT BUILDING CONNECTION - FOR REF ONLY
3/4" = 1'-0"

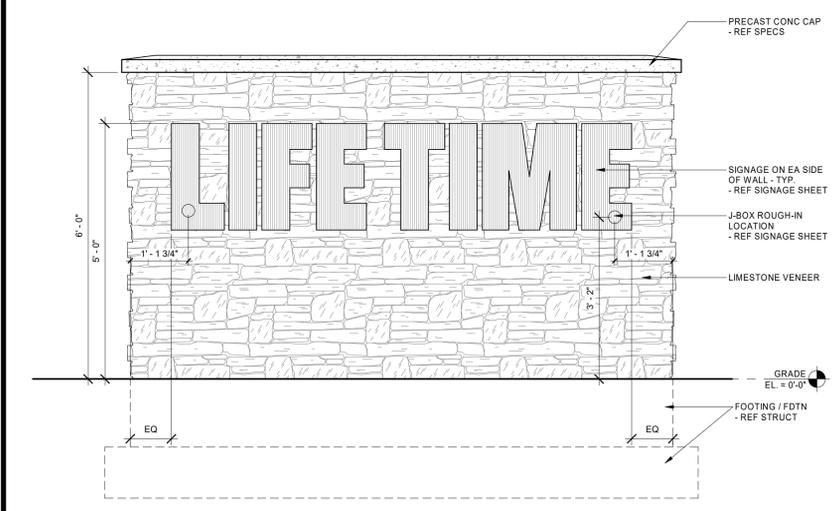
C5 CANOPY DETAIL AT BUILDING CONNECTION - FOR REF ONLY
3/4" = 1'-0"



D6 WINDOW SILL AT OPEN PLAY
1 1/2" = 1'-0"

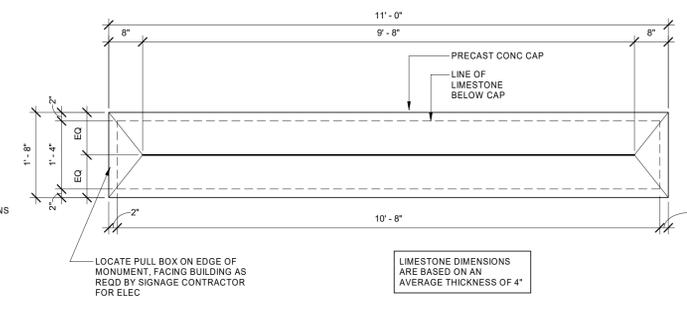


C6 CANOPY SECTION AT BUILDING CONNECTION - FOR REF ONLY
3/4" = 1'-0"

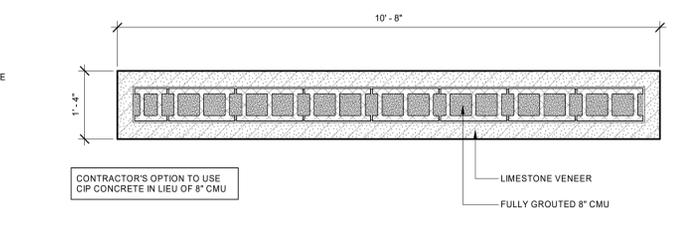


A1 MONUMENT SIGN ELEVATION
3/4" = 1'-0"

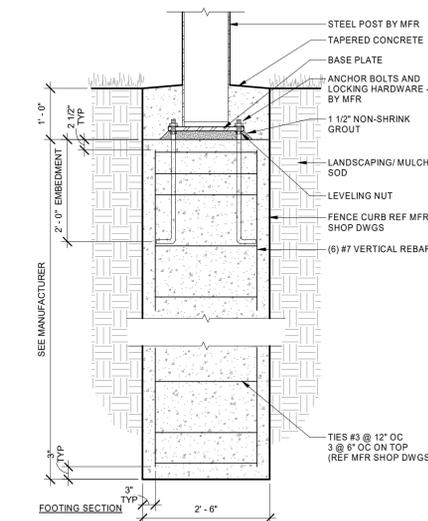
A3 MONUMENT SIGN SECTION
3/4" = 1'-0"



B4 MONUMENT SIGN CAP PLAN
3/4" = 1'-0"



A4 MONUMENT SIGN PLAN SECTION
3/4" = 1'-0"



A6 AWNING SHADE STRUCTURE POST FOOTING
3/4" = 1'-0"

3/18/2022 10:17:30 AM

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Chula Vista, CA
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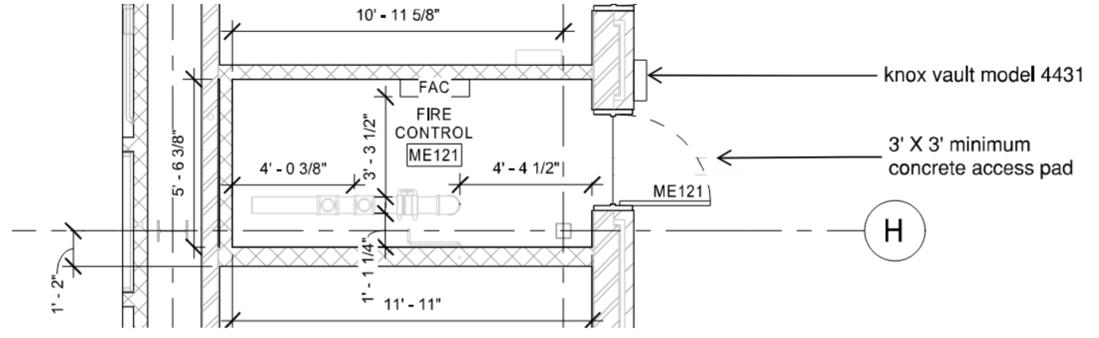
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ISSUE DATE:

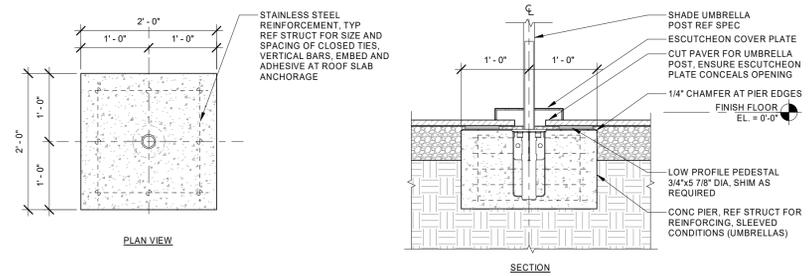
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AS501

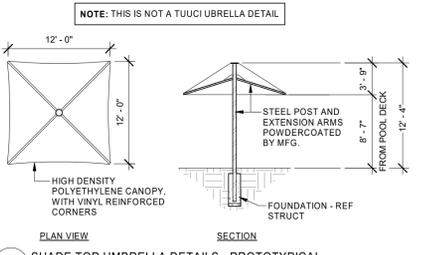
PUBLICATIONS



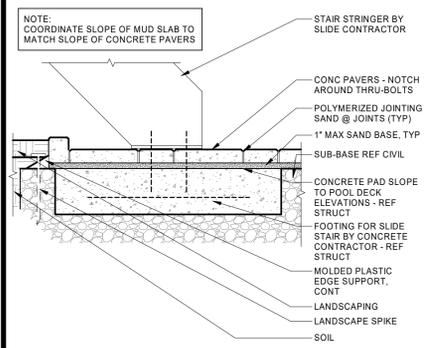
E1 FIRE CONTROL ROOM DETAILS



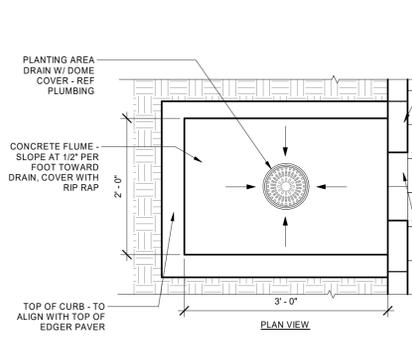
D1 TUUCI UMBRELLA POST MOUNT AT POOL DECK
1\"/>



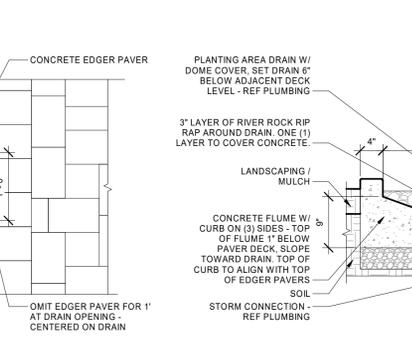
D3 SHADE TOP UMBRELLA DETAILS - PROTOTYPICAL
1/8\"/>



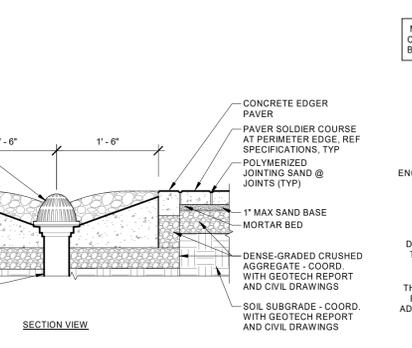
C1 WATERSLIDE STAIR LANDING AT PAVERS - PROTOTYPICAL
1\"/>



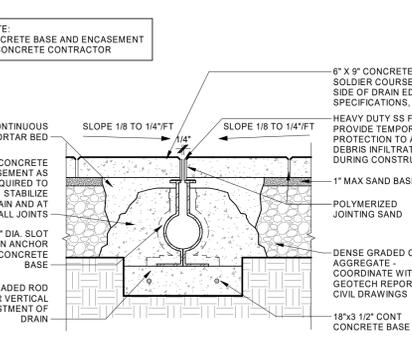
C2 PAVER EDGE AT POOL DECK DRAINAGE
1\"/>



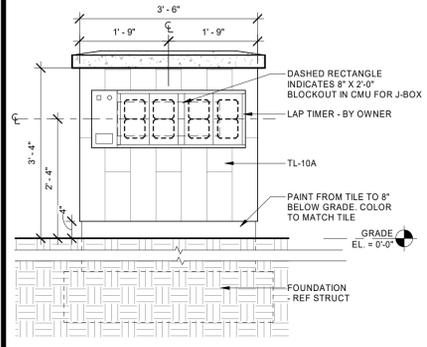
C3 SECTION AT DECK DRAIN / PAVER - PROTOTYPICAL
1 1/2\"/>



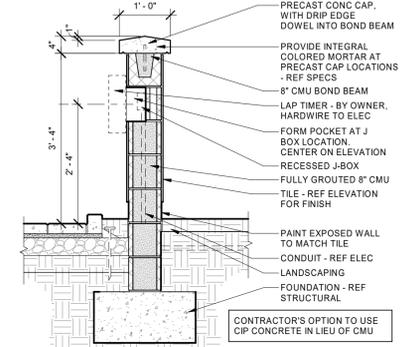
C4 PAVER EDGE TO LANDSCAPING - PROTOTYPICAL
1\"/>



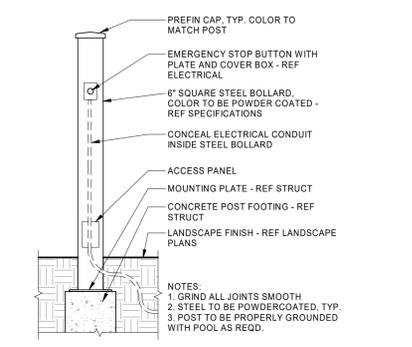
C5 POOL EDGE / BONDING GRID AT POOL - PROTOTYPICAL
1\"/>



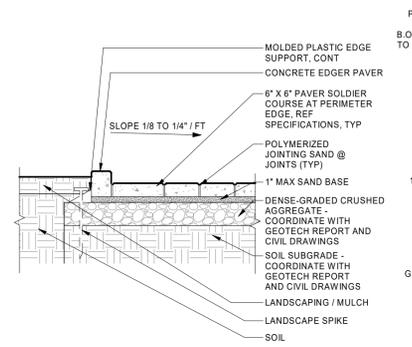
B1 LAP TIMER PIER - ELEVATION
3/4\"/>



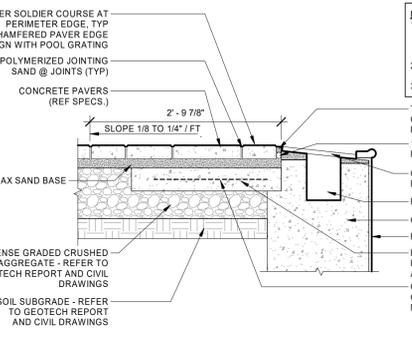
B2 LAP TIMER PIER - SECTION
3/4\"/>



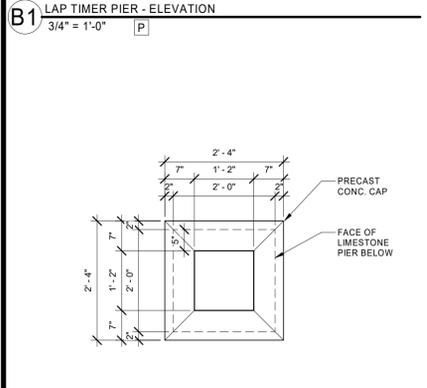
B3 EMERGENCY STOP POST AT WATERSLIDE - PROTOTYPICAL
3/4\"/>



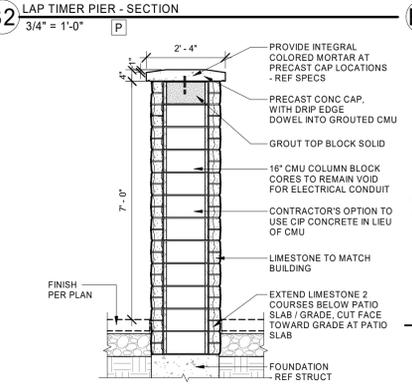
B4 PAVER EDGE TO LANDSCAPING - PROTOTYPICAL
1\"/>



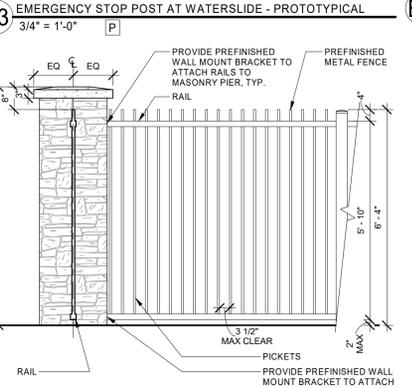
B5 POOL EDGE / BONDING GRID AT POOL - PROTOTYPICAL
1\"/>



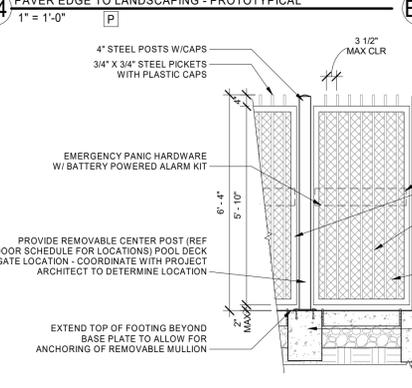
A1 PRECAST FENCE CAP PLAN
3/4\"/>



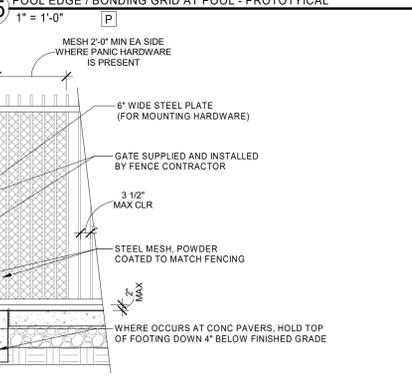
A2 SECTION AT LIMESTONE PIER
1/2\"/>



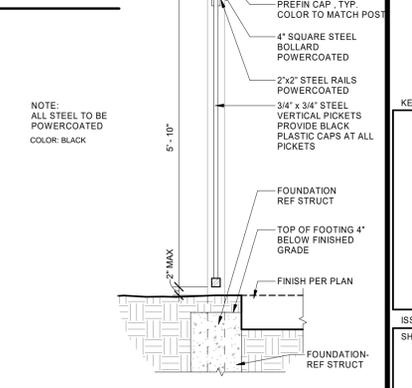
A3 ELEVATION AT FENCE
1/2\"/>



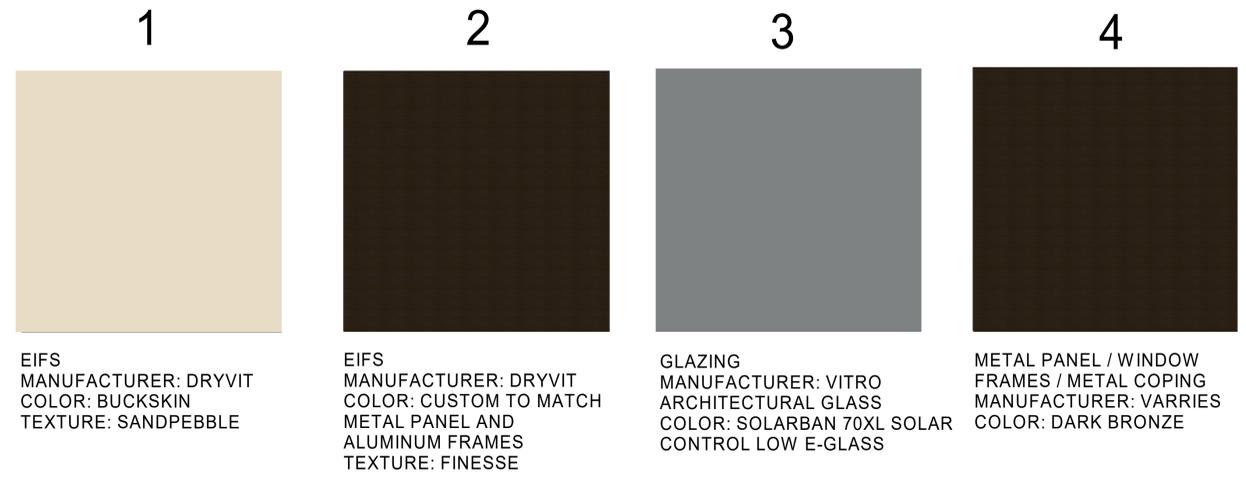
A4 ELEVATION AT POOL PRIVACY GATE
1/2\"/>



A5 SECTION AT POOL PRIVACY FENCE
1/2\"/>



A6 SECTION AT POOL PRIVACY FENCE
3/4\"/>



E
D
C
B
A



LIFETIME
HEALTHY WAY OF LIFE
2802 CORPORATE PLACE CHAMHASSEN, MN 55317
CONSULTANT

LIFETIME
PROPERTY DEVELOPMENT

PROJECT INFORMATION

Chula Vista, CA
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A103

PUBLICATIONS

EXTERIOR RENDERINGS - NW NODE (PLAZA)

3/18/2022 10:16:44 AM

1 2 3 4 5 6

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LIFETIME
HEALTHY WAY OF LIFE
2802 CORPORATE PLACE CHAMHASSEN, MN 55317

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KEY PLAN
ISSUE DATE:
SHEET NO.
A104
PUBLICATIONS

EXTERIOR RENDERINGS - LA MEDIA

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3/18/2022 10:16:44 AM

1 2 3 4 5 6

LIFETIME
HEALTHY WAY OF LIFE

2902 CORPORATE PLACE CHAMHASSEN, MN 55317

CONSULTANT

LIFETIME
PROPERTY DEVELOPMENT

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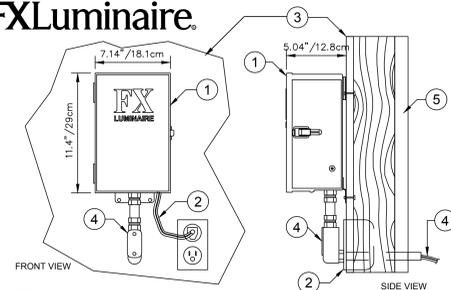
A105

PUBLICATIONS

EXTERIOR RENDERINGS - EB MAIN & AVENIDA CAPRISE



FXLuminaire



- 1 FX LUMINAIRE TRANSFORMER. SEE ELECTRICIAN FOR MOUNTING INSTRUCTIONS.
- 2 FX AVAILABLE ELECTRIC PIGTAIL AND 120 VOLT POWER SOURCE.
- 3 INDOOR DRYWALL MOUNTING SURFACE.
- 4 LENGTH OF WIRE AND JUNCTION BOX TO BE DETERMINED. USE DIRECT BURY, UF/UL, COPPER, LOW VOLTAGE CABLE WITH 3M DBRY-6 DIRECT BURY SPLICE KIT.
- 5 SEE PLAN LEGEND FOR TYPE OF MATERIAL FOR OUTSIDE WALL SURFACE.

NOTES:
A. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
B. ALWAYS REFER TO FX PRODUCT INSTALLATION NOTES PRIOR TO INSTALLATION.
C. REFER TO PRODUCT SPECIFICATIONS FOR EXACT DIMENSIONING.

2 TRANSFORMER INDOOR DRYWALL

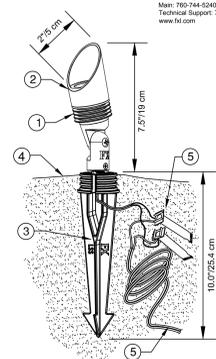
NTS P-PR-LTCV-36

FXLuminaire

FX LUMINAIRE
1940 Diamond Street
San Marcos, CA 92078
Main: 760-744-6240
Technical Support: 760-691-7383
www.lti.com

DETAIL LEGEND

- 1 FX Luminaire FB fixture. See plan legend for wattage, beam spread and accessories.
- 2 Aim fixture a minimum of 10° off vertical to allow water and dirt to drain off lens cap.
- 3 FX Luminaire Long Slot Spike mount.
- 4 Finished grade.
- 5 Direct bury, UF/UL, copper, low voltage cable with 3M DBRY-6 direct bury splice kit. Leave 18" minimum wire loop coiled below fixture for service.



NOTES

- A. Installation to be completed in accordance with manufacturer's specifications.
- B. Accepts 10-15 volts - AC or DC
- C. See plan legend for LED board option, beam spread, and accessories.
- D. Always refer to FX product installation notes prior to installation.

1 FB UP LIGHT LONG SLOT SPIKE

NOT TO SCALE P-PR-LTCV-33

LIGHTING SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	FX LUMINAIRE LUX-300-M	1
	SPJ-12VAC STRIP PVC CHANNEL, 4.4 WATTS PER LF. PVC, WHITE LAMP: LED, 24DC, 4500K, BEAMSPREAD: 120	20
	FX LUMINAIRE FB FITS WELL INTO TIGHT SPACES, 7.5" H X 2.0" DIA. ORDER CODE: FB, ALUMINUM ALLOY, (FB) FLAT BLACK, 3-PRONG SPIKE LAMP: FB-1LED, 2W/2.4VA, 5200K, BEAMSPREAD: SPOT	26
	LIGHTING POWER SOURCE REFERENCE BUILDING ELECTRIC PLANS	1
	#18 - COPPER AWG - SPT-3	585 LF



The Catalina Triple

The Catalina series is an elegant recycling bin collection perfect for any public setting: shopping malls, airports, terminals, fairgrounds, or any high-traffic location. The Catalina series is specifically designed for the collection of different waste streams in public venues. Equipped with color-coded recycling labels, messages, and symbols, waste sorting with the Catalina is a no-brainer.

Best selection, lowest prices.

Call us for Quantity Discounts and Custom Designs!

800.664.5340 www.recycleaway.com

The Catalina Triple

Gas shock assisted hinged lid

Pivoted bag frames

Triangle lock

Stainless steel construction



30.30" H

SPECIFICATIONS:

Capacity: 3 x 26 = 78 Gal

Dimensions: 17.70" w x 45.70" l x 30.30" h

Weight: 117 lbs

Setting: **Indoor**

Material: **Stainless steel body**
Powder coated black lid

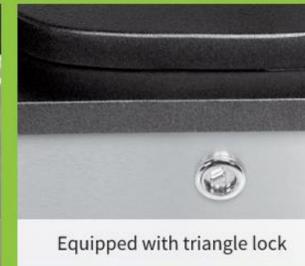
Sorting labels: **Waste, Paper, and Cans & Bottles**



Sorting labels included



Gas Assisted Lid



Equipped with triangle lock

Best selection, lowest prices.

Call us for Quantity Discounts and Custom Designs!

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TYPE Q - LTF-WAM-72-12-3000KLED-SW-DARK BRONZE POWDER COAT Custom Wall Mount

Project Name: **Life Time Fitness**
Model Number: **LTF-WAM-72-15-LED**

S13
07/16/2020
EXTERIOR



Electrical: Universal 120/277 Volts
Installation: Standard J-Box
Lamping: LED
Finishing: Standard Powder Coat **Dark Bronze Powder Coat**

- Aluminum construction
- Acrylic **Satin White**
- 3000K, 3500K, 4000K
- 0-10V Dimming
- Outdoor located

Model	H	W	D	Source Lumens	Voltage	Watts	CCT	Dimming	Acrylic	Finish
LTF-WAM-72-15-LED	72"	45"-12"	11"	7200	120/277	TBD	30 - 3000K 35 - 3500K 40 - 4000K	0-10 Volt	WH - Opal White SW - Satin White	Standard Powder Coat

Ordering number

Model: _____ Color Temp.: _____ Acrylic: **N/A** Finish: **Dark Bronze Powder Coat**

APPLICATION NOTE:

Due to the highly customized nature of this fixture, Casey Architectural Lighting, LLC reserves the right to substitute comparable components as necessary to comply with Intertek's UL or ETL listing requirements.



Catalog #: _____ Project: _____
Prepared By: _____ Date: _____ Type: _____

ZONE™ Medium (ZNM) Outdoor Sports Light

IP66 IK08



OVERVIEW	
Lumen Output	24,000 - 48,000
Wattage	176 - 401
Efficacy Range (LPW)	122 - 150
Weight lbs (kg)	30 (13.6)

QUICK LINKS

[Ordering Guide](#) [Performance](#) [Photometrics](#) [Dimensions](#)

FEATURES & SPECIFICATIONS

- Construction**
- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
 - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
 - Shipping weight: 37 lbs in carton.
- Optical System**
- State-of-the-art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
 - Proprietary silicone refractive optics provide exceptional coverage and uniformity in distribution types 2, 3, 5V, FT, FTA and AM.
 - Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 95%.
 - Zero uplight.
 - Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.
 - Minimum CRI of 70
 - Integral lower (IL) and house-side shield (HS) options available for improved backlight control without sacrificing street side performance. See page 3 for more details.
- Electrical**
- High-performance driver features overvoltage, under-voltage, short-circuit

- and over temperature protection.
- 0-10V dimming (0% - 100%) standard.
 - Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
 - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
 - Shipping weight: 37 lbs in carton.
 - Input power stays constant over life.
 - Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
 - High-efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation.
 - Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.
- Controls**
- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
 - LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7. (see page 8 for more details).
- Installation**
- Designed to mount to square or round poles.

- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
 - Included terminal block (accepts up to 12 ga. wire) and 5' dimming and power leads extended to the housing exterior.
 - Utilizes LSI's B3 drill pattern for easy fastening of LSI products.
- Warranty**
- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsiindustries.com/resources/terms-and-warranty.aspx> for more information.
- Listings**
- Listed to UL 1598 and UL 8750.
 - Meets Buy American Act requirements.
 - IDA compliant with 3000K color temperature selection.
 - Title 24 Compliant: see local ordinance for qualification information.
 - Suitable for wet locations.
 - IP66 rated Luminaire per IEC 60598-1.
 - 3G rated for ANSI C136.31 high vibration application applications are qualified.
 - IK08 rated luminaire per IEC 60662 mechanical impact code.
 - DesignLights Consortium™ (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QLP to confirm which versions are qualified.
 - Patented Silicone Optics (US Patent NO. 10,816,165 B2)



TYPE Q4 - ASW1-LED-42C-350-30K-SR3-MVOLT-DDBXD

ASW1 LED LED Wall Luminaire

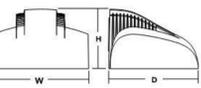
Catalog Number	
Notes	
Type	Q4

Introduction

The Aeries™ family combines sleek, fluid forms and crisp edges into a striking architectural aesthetic that can be echoed throughout entire sites. The ASW1 LED integrates the latest LED technology with the designer aesthetic of the Aeries™ family for stylish, high-performance illumination that lasts. The ASW1 LED is ideal for replacing 100-400W metal halide in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

Width: 15" (381 mm)
Depth: 13-3/4" (349 mm)
Height: 9-1/4" (235 mm)
Weight (max): 34 lbs (15.4 kg)

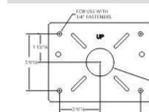


Ordering Information

Series	LEDs	Drive Current	Color Temperature	Distribution	Voltage	Mounting
ASW1 LED	42C 42 LEDs (see spec)	350 350mA	30K 3000K	SR2 Type II	MVOLT 277'	Shipped included (blank) Surface mount
		530 530mA	40K 4000K	SR3 Type III	208'	Shipped separately
		700 700mA	50K 5000K	SR4 Type IV	240'	Shipped separately

Control Options	Other Options	Finish
Shipped installed PE Photoelectric cell, button type BL30 Bi-level switched dimming, 30% BL50 Bi-level switched dimming, 50% PNM703 Part right, dim all down DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)	Shipped installed SF Single face (120, 277, 347V) DF Double face (208, 240, 480V) DFL Diffusing lens Shipped separately WG Wind guard WIG Wire guard	DDBXD DBRZ Dark bronze DRDZ Black DNAX Natural aluminum DWWD White DDBTD Textured dark bronze DBLSD Textured black DBMDD Textured natural aluminum DWWDK Textured white

Drilling



Accessories

- ADIRBWB DDBXD Back box accessory (only for MVOLT)
- ADIRBWS Wire guard accessory
- ADIRVGS Wind guard accessory

- NOTES**
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single face (SF) requires 120 or 277 voltage option. Double face (DF) requires 208 or 240 voltage option.
 - Also available as a separate accessory, see Accessories information at left.
 - Photoelectric (PE) requires 120, 208, 240, 277 or 347 voltage option. Must be ordered with fixture, cannot be field installed.
 - Requires an additional switched line.
 - Dimming driver standard. Not available with 347V or 480V.
 - Not available with 347V, 480V, BL30, BL50 or PNM703 options.



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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Light Engine	Wattage (W)	Beam Angle	41°					
			Beam	Spill	Uplight	Downlight	Uplight	Downlight
350	49W	4W	SR2	4,013	1	0	1	82
			SR3	3,998	1	0	1	81
			SR4	3,971	1	0	1	81
530	70W	4W	SR2	7,140	2	0	2	95
			SR3	7,114	1	0	2	95
			SR4	7,086	1	0	1	94
700	88W	4W	SR2	8,564	2	0	2	87
			SR3	8,533	2	0	2	87
			SR4	8,476	2	0	2	86

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient Temp	Multiplier	Lumen Multiplier
0°C	37°F	1.06
10°C	50°F	1.04
20°C	68°F	1.01
30°C	77°F	1.00
35°C	85°F	0.99
40°C	104°F	0.96

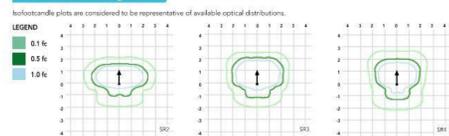
Projected LED Lumen Maintenance

Use these factors to determine projected lumen output for the ASW1 LED 42C 700 platform in a 25°C ambient, based on 10,000 hours of LED testing based per IESNA LM-80-08 and projected per IESNA TM-21-11.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.92	0.85

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's ASW1 LED homepage.



FEATURES & SPECIFICATIONS

INTENDED USE

The ASW1 LED is a high performance, high efficiency, long life luminaire that is ideally suited for lighting building entries, walk ways and surrounding areas adjacent to commercial entries.

CONSTRUCTION

Single-piece, die-cast aluminum housing. Die-cast doorframe has impact-resistant, tempered glass lens. Doorframe is fully sealed with a closed-cell silicone gasket.

FINISH

Exterior parts are protected by a non-cracking Super Durable TGIC Thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS

Precision-molded reflective acrylic lenses housed behind the door frame lens are available in three distributions. Light engines are available in standard 4000 K or optional 3000 K or 5000 K (D/C) configurations.

ELECTRICAL

Light engine consists of 42 high-efficiency LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class I electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Early-renewable surge protection device meets a minimum Category C Low per ANSI/IEEE C62.41.2.

INSTALLATION

Universal mounting plate with integral mounting bolts supports the fixture for easy, one-person installation. Suitable for downward orientation only.

LISTINGS

UL listed to UL 5 and Canadian standards. Luminaire is IP66 rated. US Patent No. D500,349; Canada Patent No. 107561.

WARRANTY

Five-year limited warranty. Full warranty terms located at www.lsiindustries.com/CustomerResources/terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.



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ASW1-LED Rev. 10/20/18



ZONE Medium Outdoor Sports Light

ORDERING GUIDE

Prefix	Output	Distribution	Orientation	Voltage	Color Temperature
ZNM - Zone Medium	24L - 24,000 lms 30L - 30,000 lms 36L - 36,000 lms 42L - 42,000 lms 48L - 48,000 lms Custom Lumen Packages 1	CT - Court Optic FT - Forward Throw	(Blank) - Standard (no rotation) L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347 - 480V)	50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT

Controls	Finish	Options
(Blank) - None Wireless Controls System ALSC - AirLink Synergy Control System ALSC2 - AirLink Synergy Control System with 12-00" Motion Sensor ALSC24 - AirLink Synergy Control System with 20-40" Motion Sensor ALSC24 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24" mounting height) 14 ALSC24 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40" mounting height) 14 Stand-Alone Controls EXT - 0-10v Dimming leads extended to housing exterior CRTP - 7 Pin Control Receptacle ANSI C136.41 IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor max 8-24" mounting height 14 IMSBT2 - Integral Bluetooth Motion and Photocell Sensor max 25-40" mounting height 14	(Blank) - Bronze BLK - Black GPT - Graphite MSV - Metallic Silver WHT - White PLP - Platinum Plus GRN - Green	(Blank) - None IH - Integral House-side Shield IL - Integral Louver (Sharp Spill Light Control)

Accessory Ordering Information*

Description	Order Number	Description	Order Number*
Twist Lock Photocell (120V) for use with CRTP	122514	Universal Mounting Bracket	684616CLR
Twist Lock Photocell (208-277) for use with CRTP	122515	Adjustable Slip Filter (2" - 2.38" Tension)	688138CLR
Twist Lock Photocell (347V) for use with CRTP	122516	Horizontal Slip Filter (2" - 2.38" Tension)	652761CLR
AirLink 5 Pin Twist Lock Controller	61409	Quick Mount Pole Bracket (Square Pole)	687073CLR
AirLink 7 Pin Twist Lock Controller	661410	Quick Mount Pole Bracket (4.5" Round Pole)	689903CLR
Pole-Mounted Occupancy Sensor (24V)	662040CLR	15 TR Quick Mount Pole Bracket (Square Pole)	688003CLR
Shunting Cap for use with CRTP*	149328	15 TR Quick Mount Pole Bracket (4.5" Round Pole)	689903CLR
		Wall Mount Bracket	382132CLR
		Integral Louver/Shield	690081
		Integral House-side Shield	743415
		10" Linear Bird Spike Kit (3' Recommended per Luminaire)	736795

Fusing Options*	Order Number	Shielding Options
Single Fusing (120V)		Miracle Small
Single Fusing (277V)		Miracle Medium
Double Fusing (208V, 240V)		Miracle Large
Double Fusing (480V)		Zone Medium
Double Fusing (347V)		Zone Large
		Site Medium

- FOOTNOTES:**
- Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
 - Consult factory for site layout.
 - Consult factory for 347-480V.
 - IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
 - Control device or shunting cap must be ordered separately. See Accessory Ordering Information.
 - Accessories are shipped separately and field installed.
 - Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.
 - "CLR" denotes finish. See Finish options.

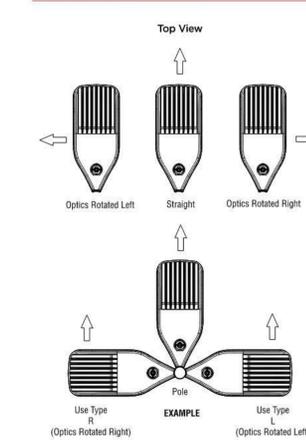
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ZONE Medium Outdoor Sports Light

OPTICS ROTATION



ACCESSORIES/OPTIONS

Integral Louver (IL) and House-Side Shield (HS)
Accessory louver and shield available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (L) and Integral House-Side Shield (HS) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.



7 Pin Photoelectric Control
7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).



PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

CONFIDENTIALITY NOTICE

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M2

PUBLICATIONS

EXTERIOR SITE LIGHTING PG 1



ZONE Medium Outdoor Sports Light

PERFORMANCE

Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
24L	CT	70	26393	150	B3-U0-G2	26393	150	B3-U0-G2	26393	150	B3-U0-G2	176
	FT		25964	148	B3-U0-G4	25964	148	B3-U0-G4	25964	148	B3-U0-G4	
30L	CT	70	32960	142	B3-U0-G3	32960	142	B3-U0-G3	32960	142	B3-U0-G3	232
	FT		32424	140	B3-U0-G4	32424	140	B3-U0-G4	32424	140	B3-U0-G4	
36L	CT	70	38916	135	B3-U0-G3	38916	135	B3-U0-G3	38916	135	B3-U0-G3	288
	FT70		38283	133	B4-U0-G5	38283	133	B4-U0-G5	38283	133	B4-U0-G5	
42L	CT	70	44859	127	B4-U0-G3	44859	127	B4-U0-G3	44859	127	B4-U0-G3	354
	FT		44130	125	B4-U0-G5	44130	125	B4-U0-G5	44130	125	B4-U0-G5	
48L	CT	70	49615	124	B4-U0-G3	49615	124	B4-U0-G3	49615	124	B4-U0-G3	431
	FT		48809	122	B4-U0-G5	48809	122	B4-U0-G5	48809	122	B4-U0-G5	

*LEDs are frequently updated therefore values are nominal

ELECTRICAL DATA*

Lumen Package	120V	208V	240V	277V	347V	480V
24L	1.47	0.85	0.73	0.64	0.51	0.37
30L	1.53	1.12	0.97	0.84	0.67	0.48
36L	2.40	1.38	1.20	1.04	0.83	0.60
42L	2.95	1.70	1.48	1.28	1.02	0.74
48L	3.34	1.93	1.67	1.45	1.16	0.84

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

FOOTNOTES:

- Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

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ZONE Medium Outdoor Sports Light

PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%. See <http://www.lsi-industries.com/products/led-lighting-solutions.aspx> for detailed photometric data.

ZNM-48L-CT-40

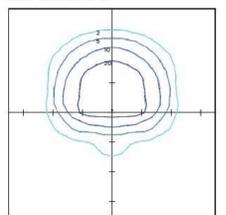
LUMINAIRE DATA

Type 3 Distribution	4000 Kelvin, 70 CRI
Description	4000 Kelvin, 70 CRI
Delivered Lumens	48,211
Watts	400
Efficacy	121
IES Type	Type III - Very Short
BUG Rating	B4-U0-G3

Zonal Lumen Summary

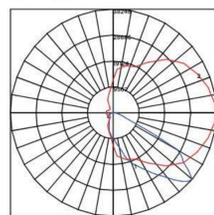
Zone	Lumens	%Luminaire
Low (0-30)*	9897	21%
Medium (30-60)*	32201	67%
High (60-80)*	5593	12%
Very High (80-90)*	520	1%
Uplight (90-180)*	0	0%
Total Flux	48211	100%

ISO FOOTCANDLE



20' Mounting Height/15' Grid Spacing
■ 20 FC ■ 10 FC ■ 5 FC ■ 2 FC

POLAR CURVE



ZNM-48L-FT-40

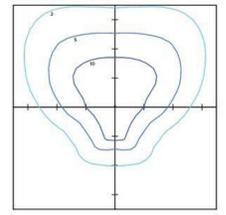
LUMINAIRE DATA

Type FT Distribution	4000 Kelvin, 70 CRI
Description	4000 Kelvin, 70 CRI
Delivered Lumens	48,055
Watts	400
Efficacy	120
IES Type	Type IV - Short
BUG Rating	B4-U0-G5

Zonal Lumen Summary

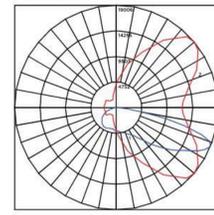
Zone	Lumens	%Luminaire
Low (0-30)*	6199	13%
Medium (30-60)*	20250	42%
High (60-80)*	20684	43%
Very High (80-90)*	922	2%
Uplight (90-180)*	0	0%
Total Flux	48055	100%

ISO FOOTCANDLE



20' Mounting Height/15' Grid Spacing
■ 20 FC ■ 10 FC ■ 5 FC ■ 2 FC

POLAR CURVE



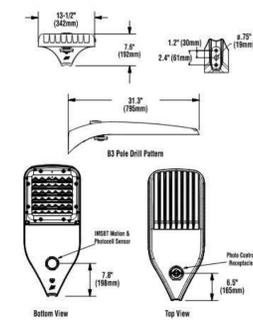
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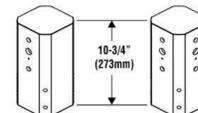
ZONE Medium Outdoor Sports Light

PRODUCT DIMENSIONS



LUMINAIRE EPA CHART - ZNM	TH Degree			TH Degree	TH Degree		
	0°	30°	45°		0°	30°	45°
Single	0.5	1.5	1.9	T90°	1.0	2.5	2.8
D180°	1.0	1.5	1.9	T120°	1.0	3.3	3.9
D90°	0.8	1.9	2.3	O90°	1.0	2.5	2.8

TENON BRACKETS (with 3" Reduced Drill Pattern)
BKA-XNM-*-CLR - Tenon mount fitter slip-fits 2-3/8" O.D. tenon (2.0 pipe tenon).



BKA-XNM-S or D180-*-CLR (Drilled 2 Sides)
BKA-XNM-D90, T90 or Q90-*-CLR (Drilled 4 Sides)

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Mirada Medium (MRM) Outdoor LED Area Light

Outdoor LED Area Light



OVERVIEW	
Lumen Package	7000 - 48,000
Wattage Range	48 - 401
Efficacy Range (LPW)	117 - 160
Weight (lbs/cg)	30 (13.6)

QUICK LINKS

Ordering Guide Performance Photometrics Dimensions

FEATURES & SPECIFICATIONS

- Construction**
 - Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
 - Designed to mount to square or round poles.
 - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
 - Shipping weight: 37 lbs in carton.
- Optical System**
 - State-of-the-art one-piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
 - Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT, FTA and AM.
 - Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
 - Zero uplight.
 - Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak Intensity at 610nm.
 - Minimum CRI of 70.
 - Integral Louver (IL) and House-Side Shield (HS) options available for improved backlight control without sacrificing street side performance. See page 3 for more details.

- Electrical**
 - High-performance programmable driver features over-voltage, under-voltage, short-circuit and over-temperature protection. Custom lumens and wattage packages available.
 - 0-10V dimming (0% - 100%) standard.
 - Standard Universal Voltage (200-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
 - L80 Calculated Life: >100K Hours (See Lumen Maintenance on Page 5)
 - Total harmonic distortion: <20%
 - Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C.
 - Power factor: >90
 - Input power stays constant over life.
 - Field-replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
 - High-efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation.
 - Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.
- Controls**
 - Optional integral passive infrared Bluetooth® motion and photocell with Peak Intensity at 610nm.
 - Fixtures operate iOS and Android configuration app.
 - LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7. (see page 9 for more details).

- Installation**
 - Designed to mount to square or round poles.
 - A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
 - Included terminal block accepts up to 12 ga. wire.
 - Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products. (See drawing on page 9)
- Warranty**
 - LSI LED Fixtures carry a 5-year warranty.
 - Listed to UL 1598 and UL 8750.
 - Meets Buy American Act requirements.
 - DA compliant, with 3000K color temperature selection.
 - Title 24 Compliant, see local ordinance for qualification information.
 - Suitable for wet Locations.
 - IP66 rated Luminaire per IEC 60598.
 - 3S rated for ANSI C136.31 high vibration applications are qualified.
 - DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org.
 - 3S rated for ANSI C136.31 high vibration applications are qualified.
 - Patented Silicone Optics (US Patent NO. 10,816,165 B2)
 - IK08 rated luminaire per IEC 66262



Mirada Medium Outdoor LED Area Light

ORDERING GUIDE

Typical Order Example: **MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

Luminaire Profile	Light Source	Lumen Package	Light Output	Distribution	Orientation	Voltage	Driver
MRM - Mirada	LED	7L - 7,000 lms 8L - 8,000 lms 12L - 12,000 lms 18L - 18,000 lms 24L - 24,000 lms 30L - 30,000 lms 36L - 36,000 lms 42L - 42,000 lms 48L - 48,000 lms Custom Lumens Packages*	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Single FT - Forward Throw FTA - Forward Throw Automotive AM - Automotive Merchandise	(Blank) - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Finish	Options
50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT AMB - Phosphor Converted Amber*	70CRI - 70 CRI	BLK - Black BRN - Dark Bronze GRY - Gun Metal Gray GPT - Graphite MSV - Metallic Silver P/P - Platinum Plus SVE - Satin Verde Green WHT - White	(Blank) - None IL - Integral Louver (Sharp Light Cutoff) HS - Integral House-Side Shield

Controls (Choose One)		Mounting Accessories*	
Wireless Controls System	Smart-Drive Controls	Universal Mounting Bracket	Order Number**
ALSC - AirLink Sensor Control System ALSC2 - AirLink Sensor Control System (2-20' Motion Sensor) ALSC3 - AirLink Sensor Control System (3-30' Motion Sensor) ALSC4 - AirLink Sensor Control System (4-40' Motion Sensor) ALSC5 - AirLink Sensor Control System (5-50' Motion Sensor) ALSC6 - AirLink Sensor Control System (6-60' Motion Sensor) ALSC7 - AirLink Sensor Control System (7-70' Motion Sensor) ALSC8 - AirLink Sensor Control System (8-80' Motion Sensor) ALSC9 - AirLink Sensor Control System (9-90' Motion Sensor) ALSC10 - AirLink Sensor Control System (10-100' Motion Sensor)	EXT - 5-10' Climbing leads extended to housing exterior CRIP - 7 Pin Control Receiver ANSI C136.41 IMSBT - Integral Bluetooth® Motion and Photocell Sensor (3-24' height) IMSB7 - Integral Bluetooth® Motion and Photocell Sensor (25-40' height) IMSB8 - Integral Bluetooth® Motion and Photocell Sensor (45-60' height) IMSB9 - Integral Bluetooth® Motion and Photocell Sensor (75-90' height) IMSB10 - Integral Bluetooth® Motion and Photocell Sensor (105-120' height) IMSB11 - Integral Bluetooth® Motion and Photocell Sensor (135-150' height) IMSB12 - Integral Bluetooth® Motion and Photocell Sensor (165-180' height) IMSB13 - Integral Bluetooth® Motion and Photocell Sensor (195-210' height) IMSB14 - Integral Bluetooth® Motion and Photocell Sensor (225-240' height) IMSB15 - Integral Bluetooth® Motion and Photocell Sensor (255-270' height) IMSB16 - Integral Bluetooth® Motion and Photocell Sensor (285-300' height)	Adjustable Slip Fitter (2" - 2 3/8" Tenon) Adjustable Slip Fitter (2" - 2 3/8" Tenon) Thru Pole Mount (4800) for use with CRIP** Thru Pole Mount (4800) for use with CRIP** Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (Square Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole)	684916LR 681136LR 627916LR 627916LR 689902LR 689902LR 689902LR 689902LR 681136LR 731216LR

Accessory Ordering Information*		Mounting Accessories*	
Controls Accessories	Shading Options	Universal Mounting Bracket	Order Number**
CRIP - 7 Pin Control Receiver ANSI C136.41 PC208-277 Protocol for use with CRIP system (208V, 240V, 277V) TRAIL Lock Protocol (4800) for use with CRIP** Thru Pole Mount (4800) for use with CRIP** AirLink 5 Pin Thru Pole Lock Control** AirLink 7 Pin Thru Pole Lock Control** IMSB12-24V Pass Mounted Occupancy Sensor (24V) Shading Cap for use with CRIP	Mirada Small Mirada Large Zone Medium Zone Large Zone Medium	Adjustable Slip Fitter (2" - 2 3/8" Tenon) Adjustable Slip Fitter (2" - 2 3/8" Tenon) Thru Pole Mount (4800) for use with CRIP** Thru Pole Mount (4800) for use with CRIP** Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (Square Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole)	684916LR 681136LR 627916LR 627916LR 689902LR 689902LR 689902LR 689902LR 681136LR 731216LR

Fitting Options*		Shading Options	
Single Fitting (120V) Single Fitting (277V) Double Fitting (208V, 240V) Double Fitting (480V) Double Fitting (247V)	Mirada Small Mirada Large Zone Medium Zone Large Zone Medium	Universal Mounting Bracket Adjustable Slip Fitter (2" - 2 3/8" Tenon) Adjustable Slip Fitter (2" - 2 3/8" Tenon) Thru Pole Mount (4800) for use with CRIP** Thru Pole Mount (4800) for use with CRIP** Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (Square Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole) 1 1/2" Tall Quick Mount Pole Bracket (4.5" Round Pole)	684916LR 681136LR 627916LR 627916LR 689902LR 689902LR 689902LR 689902LR

- FOOTNOTES:**
- Custom lumens and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
 - Not available in 30' distribution.
 - Consult factory for availability.
 - Not available in HV.
 - IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
 - Control device or shading cap must be ordered separately. See Accessory Ordering Information.
 - Accessories are shipped separately and field installed.
 - Factory installed CRIP option required. See Options.
 - CRIP denotes finish. See Finish options.
 - Only available with ALS/ALSCH control systems.
 - Fitting must be located in hand hole of pole. See www.lsi-industries.com for compatibility.
 - Only available in 9L and 12L Lumen Packages. Consult factory for lead time and availability.

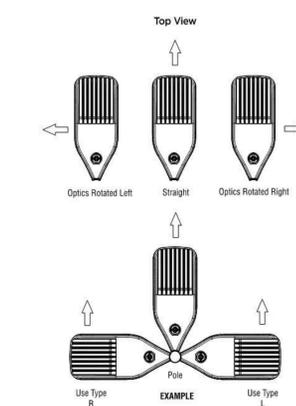
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Mirada Medium Outdoor LED Area Light

OPTICS ROTATION



ACCESSORIES/OPTIONS

Integral Louver (IL) and House-Side Shield (HS)
Accessory louver and shield available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (L) and Integral House-Side Shield (HS) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.

Luminaire Shown with IMSBT & IL/HS Options



7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with PCR 7P



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LIFE TIME

PROPERTY DEVELOPMENT

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

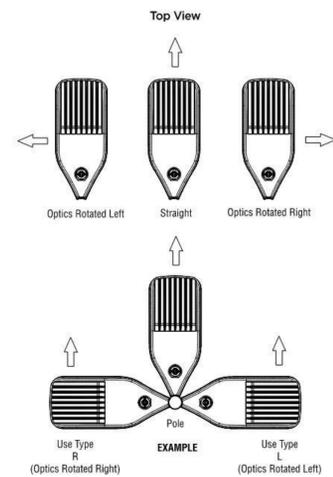
DRAWING LOG



Mirada Medium Outdoor LED Area Light

Type: _____

OPTICS ROTATION



ACCESSORIES/OPTIONS

Integral Louver (IL) and House-Side Shield (IH)
Accessory louver and shield available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (L) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.

Luminaire Shown with IMSBT & IL/IH Options



7 Pin Photoelectric Control

7-pin ANSI C156.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with PCR 7P



Mirada Medium Outdoor LED Area Light

Type: _____

PERFORMANCE

Table with columns: Delivered Lumens, Distribution, CRI, 3000K CCT, 4000K CCT, 5000K CCT, Wastage. Rows include luminaire models 7L, 8L, 12L, 18L, 24L, 30L, 36L.



Mirada Medium Outdoor LED Area Light

Type: _____

PERFORMANCE (CONT.)

Continuation of performance table with columns: Delivered Lumens, Distribution, CRI, 3000K CCT, 4000K CCT, 5000K CCT, Wastage. Rows include luminaire models 42L, 48L.

ELECTRICAL DATA (AMPS)*

Table with columns: Lumens, Watts, 120V, 208V, 240V, 277V, 347V, 480V. Rows include luminaire models 7L, 8L, 12L, 18L, 24L, 30L, 36L, 42L, 48L.

ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*

Table with columns: Lumens, Watts, 120V, 208V, 240V, 277V, 347V, 480V. Rows include luminaire models 9L, 12L.

RECOMMENDED LUMEN MAINTENANCE* (7-18L)

Table with columns: Ambient, Initial, 25%, 50%, 75%, 100%. Rows include luminaire models 7-18L.

RECOMMENDED LUMEN MAINTENANCE* (24-48L)

Table with columns: Ambient, Initial, 25%, 50%, 75%, 100%. Rows include luminaire models 24-48L.

*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%.
1. Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and photometric testing.
2. In accordance with IESNA TM-21-11, Projected Values represent interpolated values based on time durations that are written six times the IESNA LM-80-08 total test duration for the device under testing.
3. In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

DELIVERED LUMENS*

Table with columns: Lumens Package, Distribution, Delivered Lumens, Efficacy, BUG Rating, Wastage. Rows include luminaire models 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

*LEDs are frequently updated therefore values are nominal.



Mirada Medium Outdoor LED Area Light

Type: _____

PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.
See <https://www.lsicorp.com/product/mirada-medium/> for detailed photometric data.

MRM-LED-30L-SIL-2-40-70CRI

LUMINAIRE DATA

Table with columns: Type 2 Distribution, Description, Delivered Lumens, Watts, Efficacy, IES Type, BUG Rating.

Zonal Lumen Summary

Table with columns: Zone, Lumens, %Luminaire. Rows include Low (0-30'), Medium (30-60'), High (60-90'), Very High (90-180'), Uplight (0-180').

ISO FOOTCANDLE



POLAR CURVE



25' Mounting Height/25' Grid Spacing



MRM-LED-30L-SIL-3-40-70CRI

LUMINAIRE DATA

Table with columns: Type 3 Distribution, Description, Delivered Lumens, Watts, Efficacy, IES Type, BUG Rating.

Zonal Lumen Summary

Table with columns: Zone, Lumens, %Luminaire. Rows include Low (0-30'), Medium (30-60'), High (60-90'), Very High (90-180'), Uplight (0-180').

ISO FOOTCANDLE



POLAR CURVE



25' Mounting Height/25' Grid Spacing



MRM-LED-30L-SIL-FT-40-70CRI

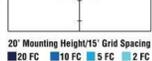
LUMINAIRE DATA

Table with columns: Type FT Distribution, Description, Delivered Lumens, Watts, Efficacy, IES Type, BUG Rating.

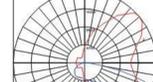
Zonal Lumen Summary

Table with columns: Zone, Lumens, %Luminaire. Rows include Low (0-30'), Medium (30-60'), High (60-90'), Very High (90-180'), Uplight (0-180').

ISO FOOTCANDLE



POLAR CURVE



20' Mounting Height/15' Grid Spacing



Mirada Medium Outdoor LED Area Light

Type: _____

PHOTOMETRICS (CONT)

MRM-LED-30L-SIL-5W-40-70CRI

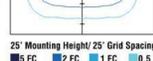
LUMINAIRE DATA

Table with columns: Type 5W Distribution, Description, Delivered Lumens, Watts, Efficacy, IES Type, BUG Rating.

Zonal Lumen Summary

Table with columns: Zone, Lumens, %Luminaire. Rows include Low (0-30'), Medium (30-60'), High (60-90'), Very High (90-180'), Uplight (0-180').

ISO FOOTCANDLE



POLAR CURVE



25' Mounting Height/25' Grid Spacing



MRM-LED-30L-SIL-FTA-40-70CRI

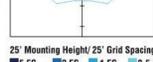
LUMINAIRE DATA

Table with columns: Type FTA Distribution, Description, Delivered Lumens, Watts, Efficacy, IES Type, BUG Rating.

Zonal Lumen Summary

Table with columns: Zone, Lumens, %Luminaire. Rows include Low (0-30'), Medium (30-60'), High (60-90'), Very High (90-180'), Uplight (0-180').

ISO FOOTCANDLE



POLAR CURVE



25' Mounting Height/25' Grid Spacing



MRM-LED-30L-SIL-AM-40-70CRI

LUMINAIRE DATA

Table with columns: Type AM Distribution, Description, Delivered Lumens, Watts, Efficacy, IES Type, BUG Rating.

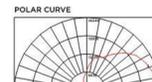
Zonal Lumen Summary

Table with columns: Zone, Lumens, %Luminaire. Rows include Low (0-30'), Medium (30-60'), High (60-90'), Very High (90-180'), Uplight (0-180').

ISO FOOTCANDLE



POLAR CURVE



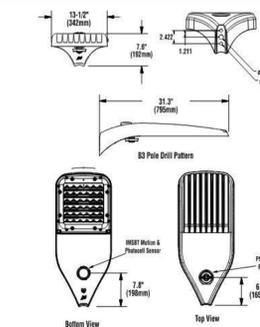
25' Mounting Height/25' Grid Spacing



Mirada Medium Outdoor LED Area Light

Type: _____

PRODUCT DIMENSIONS



Luminaire EPA Chart - MRM table with columns: Beam Angle, Diameter, Height, etc.

CONTROLS

AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

Click the link below to learn more details about AirLink.
<https://www.lsicorp.com/wp-content/uploads/documents/products/airlink-outdoor-specsheet.pdf>

Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click the link below to learn more details about IMSBT.
<https://www.lsicorp.com/wp-content/uploads/documents/products/imbsbt-specsheet.pdf>

AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components: Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click the link below to learn more details about AirLink Blue.
<https://www.lsicorp.com/product/airlink-blue/>



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Table with columns: REV, DATE, DESCRIPTION

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KEY PLAN



ISSUE DATE:

SHEET NO. M4

PUBLICATIONS

EXTERIOR SITE LIGHTING PG 3

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Mirada Medium Outdoor LED Area Light

Type:

POLES & BRACKETS

LSI offers a full line of poles and mounting accessories to complete your lighting assembly. Aluminum and steel in both square and round shafts. In addition, LSI offers round tapered, fluted and hinge based poles. Designed and engineered for durability and protected with our oven baked DuraGrip Protection System. Also available with our DuraGrip+ Protection system for unmatched corrosion resistance and an extended warranty. American made in our Ohio facility with industry leading lead times.

Click the link below to learn more details about poles & brackets.

<https://www.lsicorp.com/products/poles-brackets/>



BKA UMB CLR
The 3G rated UMB allows for seamless integration of LSI luminaires onto existing/ retrofit or new construction poles. The UMB was designed for square or round (tapered or straight) poles with two mounting hole spacings between 3.5" - 5".



BKS PQMIS CLR
The Pole Quick Mount Bracket allows for pre-set 15" uplift of LSI luminaires for greater throw of light and increased vertical illumination as well as fast installation onto poles with LSI's 3" or 5" bolt pattern.



Square Pole
14'-39'



Round Pole
10'-30'



Tapered Pole
20'-39'



BKA ASF CLR
The adjustable Slip Fitter is a 3G rated rugged die cast aluminum adapter to mount LSI luminaires onto a onto a 2" iron pipe, 2 3/8" OD tenon. The Adjustable Slip Fitter can be rotated 180° allowing for tilting LSI luminaires up to 45° and 90° when using a vertical tenon.



BKS PQMH CLR
The Pole Quick Mount Bracket allows for lightning fast installation of LSI luminaires onto existing and new construction poles with LSI's B3 or B5 standard pole bolt patterns.



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LIFE TIME
PROPERTY DEVELOPMENT

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Chula Vista, CA
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DRAWING LOG

REV	DATE	DESCRIPTION

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PUBLICATIONS

EXTERIOR SITE LIGHTING PG 4

E

D

C

B

A

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