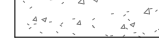


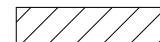




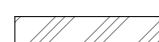
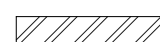

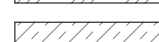
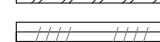
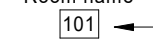
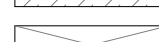
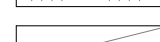

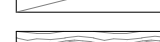
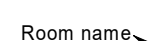


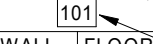



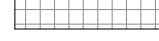

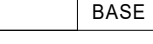

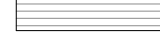




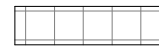

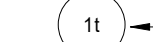





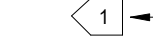








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SPECIAL INSPECTIONS & TESTING	DEFERRED SUBMITTALS
SEE SHEET S002 AND SPEC SECTION 01 45 33 FOR REQUIRED SPECIAL INSPECTIONS AND TESTING	- FIRE ALARM - FIRE SPRINKLER - WATERSLIDES - GLASS HANDRAILS / GUARDRAILS - CURTAIN WALLS - STEEL STAIRS - POST 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			
AB	ANCHOR BOLT	LAM	LAMINATE
A/C	AIR CONDITIONING	LAV	LAVATORY
ACC	ACCESSIBLE	LB, LBS	POUND, POUNDS (WEIGHT)
ACST	ACOUSTIC	LF	LINEAL FEET
ACT	ACOUSTICAL CEILING TILE	LOC	LOCATION, LOCATE
ACS PNL	ACCESS PANEL		
ADJ	ADJUSTABLE		
AED	AUTOMATED EXTERNAL DEFIBRILLATOR	MAS	MASONRY
AFF	ABOVE FINISHED FLOOR	MATL	MATERIAL
AHU	AIR HANDLING UNIT	MAX	MAXIMUM
ALT	ALTERNATE / ALTERNATIVE	MECH	MECHANICAL
ALUM	ALUMINUM	MEMB	MEMBRANE
ANOD	ANODIZED	MEZZ	MEZZANINE
APPROX	APPROXIMATE	MFG	MANUFACTURING
ARCH	ARCHITECT (URAL)	MFR	MANUFACTURER
AWC	ACOUSTICAL WALL COVERING	MIN	MINIMUM
		MISC	MISCELLANEOUS
		MO	MASONRY OPENING
		MTD	MOUNTED
		MTL	METAL
		MULL	MULLION
BD	BOARD		
BTUM	BITUMINOUS BUILDING		
BLDG	BEAM BEARING		
BOT	BOTTOM OF	NA	NOT APPLICABLE
BOH	BACK OF HOUSE	NIC	NOT IN CONTRACT
BRG	BEARING	NOM	NOMINAL
BW	BOTH WAYS	NTS	NOT TO SCALE
CAP	CAPACITY	O/	OVER
CB	CARPET BASE	OC	ON CENTER
CG	CORNER GUARD	OCC	OCCUPANCY / OCCUPANTS
CHNG	CHANGING	OD	OUTSIDE DIAMETER
CJ	CONTROL JOINT	OH	OVERHEAD
CL	CENTER LINE	OPNG	OPENING
CLG	CEILING	OPP	OPPOSITE
CLR	CLEAR		
CEM BD	CEMENT BOARD	PCC	PRECAST CONCRETE
CMU	CONCRETE MASONRY UNIT	PDF	POWDER ACTUATED FASTENER
CO	CASED OPENING	PERM	PERMEABLE
COL	COLUMNS	PERM	PERIMETER
CONC	CONCRETE	PIV	POST INDICATOR VALVE
CONF	CONFERENCE	PL	PROPERTY LINE, PLATE
CONST	CONSTRUCTION	PLAS	PLASTER
CONST JT	CONSTRUCTION JOINT	PLAM	PLASTIC LAMINATE
CONT	CONTINUOUS	PLYWD	PLYWOOD
CONTR	CONTRACTOR	PN	PLAN NORTH
COORD	COORDINATION / COORDINATE	PR	PAIR
CORR	CORRIDOR	PREFIN	PREFINISHED
CPT OR "C"	CARPET	PRKG	PARKING
CTR	CENTER	PROP	PROPERTY
CT	CERAMIC TILE	PRV	POWER ROOF VENTILATOR
CTB	CERAMIC TILE BASE		PRESSURE RELIEF VALVE
CUH	CABINET UNIT HEATER	PSF	POUNDS PER SQUARE FOOT
CSWK	CASEWORK	PSI	POUNDS PER SQUARE INCH
		PT	PAINT
		PTN	PARTITION
		PVC	POLYVINYL CHLORIDE
DEMO	DEMOLISH, DEMOLITION		
DET	DETAIL	QT	QUARRY TILE
DF	DIAGONAL	QTB	QUARRY TILE BASE
DIAG	DIAGONAL		
DIA	DIAMETER		
DM	DIMENSION	R	RADIUS
DISP	DISPENSER	RB	RUBBER BASE
DIV	DIVISION	RD	ROOF DRAIN
DN	DOWN	REF	REFERENCE
DR	DOOR	REFR	REFRIGERATION
DSG	DOWNSPOUT	REFR	REFRIGERATOR
DW	DRAWING	REIN	REINFORCED
		REIN	REQUIRED
EA	EACH	RM	ROOM
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	RO	ROUGH OPENING
EJ	EXPANSION JOINT	ROW	RIGHT OF WAY
EL	ELEVATION	RPNL	RESIN PANEL
ELEC	ELECTRICAL	RT	RUBBER TILE
ELEV	ELEVATOR	RTU	ROOF TOP UNIT
EMER	EMERGENCY	RVS	REVERSE
ENCL	ENCLOSURE		
EQ	EQUAL	S	SEALER
EQUIP	EQUIPMENT	SAN	SANITARY
ESMT	EASEMENT	SC	SOLID CORE
EW	ELECTRIC WATER COOLER	SD	SECONDARY DRAIN
EXH	EXHAUST	SCHED	SCHEDULE
EXP	EXPANSION	SCONC	SEALED CONCRETE
EXP BT	EXPANSION BOLT	SECT	SECTION
EXPO	EXPOSED	SF	SQUARE FEET
EXT	EXISTING	SHR	SHOWER
EXT	EXTERIOR	SHT	SHEET
		SIM	SIMILAR
FA	FIRE ALARM	SLNT	SEALANT
FD	FLOOR DRAIN	SLMP	SUMP PUMP
FDTN	FOUNDATION	SPC	SPECIFICATION(S)
FE	FIRE EXTINGUISHER	SQ	SQUARE
FF EL	FINISHED FLOOR ELEVATION	SQ YD	SQUARE YARD
FIN	FINISHED	SST	STAINLESS STEEL
FKT	FIXTURE	STB	STONE TILE BASE
FLR	FLOOR	STD	STANDARD
FLR PNL	FLOORGLASS REINFORCED	STL JST	STEEL JOIST
FRT	FIRE RETARDANT TREATED	STN	STONE, STONE SLAB
FT	FEET OR FOOT	STRM	STORM
FTG	FOOTING	STRUCT	STRUCTURAL
FURG	FURRED (ING)	SUSP	SUSPENDED
FURN	FURNITURE	SW	SWITCH
		SYM	SYMMETRICAL
		SYM	SYMMETRICAL
GA	GAGE		
GALV	GALVANIZED	T	TREAD
GB	GRAB BAR	T&B	TOP AND BOTTOM
GC	GENERAL CONTRACTOR	T&G	TONGUE AND GROOVE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TEL	TELEPHONE
GFRG	GLASS FIBER REINFORCED	THK	THICKNESS
GL BLK	GLASS BLOCK	TMFD	TEMPERED
GL	GLASS	TN	TRUE NORTH
GLZ	GLAZING	TO	TOP OF
GR	GRADE, GRADING	TOC	TOP OF CONCRETE
GYP BD	GYPSUM BOARD	TOF	TOP OF FOOTING
		TOM	TOP OF MASONRY
		TOS	TOP OF STEEL
		TOW	TOP OF WALL
		TOPO	TOPOGRAPHY
		TYP	TYPICAL
HB	HOSE BIBB		
HDR	HEADER		
HDW	HARDWARE		
HT	HEIGHT		
HORIZ	HORIZONTAL	UH	UNIT HEATER
HPC	HIGH PERFORMANCE COATING	UNFN	UNFINISHED
	HIGH PERFORMANCE COMPOUND	UNO	UNLESS NOTED OTHERWISE
HR	HOUR		
HVAC	HEATING, VENTILATION & AIR CONDITIONING	VB	VINYL BASE
HW	HOT WATER	VCT	VINYL COMPOSITION TILE
HYD	HYDRANT	VERT	VERTICAL
		VEST	VESTIBULE
		VIF	VERIFY IN FIELD
		VIR	VAPOR RETARDER
		VTR	VENT THROUGH ROOF
		VWC	VINYL WALLCOVERING
ID	INSIDE DIAMETER		
IN	INCLUDE(S)	W/	WITH
INCL	INCLUDE(D), INCLUDING	WB	WOOD BASE
INSUL	INSULATE, INSULATION	WBL	WOOD BLOCKING
INT	INTERIOR	WD	WOOD
INT FIN	INTERIOR FINISH SYSTEM	WDW	WINDOW
		WF	WOOD FLOOR
JAN	JANITOR	WH	WATER HEATER
JST	JOIST	W/O	WITHOUT
JST BRG	JOIST BEARING	WT	WEIGHT
JT	JOINT	WSCOT	WAINSCOT
		WVN	WOOD VENEER
KIT	KITCHEN	WWR	WELDED WIRE REINFORCEMENT
	KNOCK OUT		
		&	AND
		@	AT
		±	PLUS OR MINUS



MATERIAL INDICATIONS		PROJECT TEAM		SYMBOL LEGEND	
 CONCRETE	 GROUT	OWNER		CEILING TAG: INDICATES CEILING HEIGHT INDICATES CEILING TYPE	
 CONCRETE MASONRY UNIT	 COMMON FACE BRICK	LT REAL ESTATE COMPANY, INC 2902 CORPORATE PLACE CHANHASSEN, MN 55317 (952) 947-0000 (952) 947-0077 (FAX)		 REVISION CLOUD REVISION TAG: INDICATES REVISION NUMBER	
 NATURAL-CUT STONE	 CAST STONE			 ROOM TAG: INDICATES ROOM NAME INDICATES ROOM NUMBER 150 SF INDICATES ROOM AREA	
 ALUMINUM	 STEEL	STEVEN TORELL (952) 229-7215 storell@lt.life		 ROOM FINISH TAG: INDICATES ROOM NAME INDICATES ROOM NUMBER INDICATES FLOOR FINISH INDICATES WALL FINISH INDICATES BASE FINISH FLOOR FINISH TAG: INDICATES FLOOR FINISH	
 ORNAMENTAL METAL	 PLYWOOD			 WALL SECTION: INDICATES WALL SECTION NUMBER INDICATES SHEET WHERE WALL SECTION IS DRAWN	
 ROUGH WOOD	 BLOCKING / SHIM	ARCHITECT		CONTRACTOR	
 WOOD (END)	 WOOD (FINISHED)	LT ARCHITECTURE, LLC 2902 CORPORATE PLACE CHANHASSEN, MN 55317		 BUILDING SECTION: INDICATES BUILDING SECTION NUMBER INDICATES SHEET WHERE BUILDING SECTION IS DRAWN	
 T & G CEDAR	 BATT OR SEMI-RIGID INSULATION			 WINDOW TAG: INDICATES WINDOW TYPE	
 RIGID INSULATION	 SPRAY-FOAM INSULATION	MATT BRINZA - ARCHITECT OF RECORD (952) 229-7539 MBrinza@lt.life		 DEMOLITION KEYNOTE: INDICATES DEMOLITION NUMBER	
 FIRE SAFING	 COMPRESSIBLE FILLER			 KEYNOTE: INDICATES SPEC SECTION INDICATES NUMBER	
 SAND / MORTAR / PLASTER	 WATERPROOF BUILDING PANEL	AARON LUDVIGSON - PROJECT MANAGER (952) 229-7077 ALudvigson@lt.life		 ELEVATION LEVEL: INDICATES FLOOR LEVEL	
 EXTERIOR INSULATION FINISH SYSTEM (EIFS)	 TILE			 LEVEL: INDICATES FLOOR LEVEL ELEVATION	
 ACOUSTICAL CEILING TILE (ACT)	 GYPSUM BOARD	JOEL PETERSON - PROJECT EXECUTIVE (952) 229-7392 JPeterson@lt.life		 FLOORS / RAMPS / ROOFS: SLOPE DIRECTION INDICATION	
 RUBBER SPORTS FLOOR	 GRANITE			 CASEWORK SURFACE TAG: INDICATES STONE/PLAM FINISH	
 EARTH / COMPACT FILL	 GRAVEL / POROUS FILL	STRUCTURAL		MECH & ELEC	
LOCATION MAP		ERICKSEN ROED & ASSOCIATES 2550 UNIVERSITY AVE WEST SUITE 423-S SAINT PAUL, MN 55114		 PARTITION TAG: INTERIOR WALLS: INDICATES FIRE RATINGS INDICATES WALL TYPE (SEE SHEET AT 01) INDICATES WALL TYPE SUBSCRIPT (SEE SHEET AT 01 FOR SUBSCRIPT KEY)	
		BRETT NOTVEDT, PE (651) 414-6133 bnotvedt@eraeng.com		 GLASS TYPE TAG: INDICATES GLASS TYPE	
		JOHN LYRENMANN (651) 414-6162 jlyrenmann@eraeng.com		 DOOR TAG: INDICATES DOOR NUMBER (SEE AT 02 FOR DOOR NUMBER AND INFORMATION)	
		KIMLEY-HORN 767 N EUSTIS ST. SUITE 100 ST PAUL, MN 55114		 3D VIEW TAG INDICATES DETAIL NUMBER ON CURRENT SHEET	
		CHRIS FREY (619) 744-0118 Chris.Frey@kimley-horn.com		 GRID (NEW): INDICATES GRID NUMBER	
		KIMLEY-HORN 767 N EUSTIS ST. SUITE 100 ST PAUL, MN 55114		 GRID (EXISTING): INDICATES GRID NUMBER	
		KAY ABAIS (619) 744-0102 Kay.Abais@kimley-horn.com			
		KIMLEY-HORN 767 N EUSTIS ST. SUITE 100 ST PAUL, MN 55114			
		LANDSCAPE		CIVIL CONSULTANTS	
		KIMLEY-HORN 767 N EUSTIS ST. SUITE 100 ST PAUL, MN 55114			
		AQUATICS		FOOD SERVICE	
		LT ARCHITECTURE, LLC 2902 CORPORATE PLACE CHANHASSEN, MN 55317		BOELTER PREMIER Foodservice Design, Equipment & Supply 7120 NORTHLAND TERRACE MINNEAPOLIS, MN 55428	
		JEFF HUBER (952) 229-7390 JHuber@lt.life		TODD OLSON (763) 450-2939 tolson@boelterpremier.com	
		MEGHAN MUELLER mmueller@boelter.com			

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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	5.106.4.1.1	Short-term bicycle parking	N/A	
3	5.106.4.1.2	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	5.106.3.3	Electric vehicle (EV) charging	N/A	
7	5.106.8	Light pollution reduction	See Photometric plans	
8	5.106.10	Grading and Paving	See Civil	
ENERGY EFFICIENCY				
9	5.201.1	Score	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	Excess consumption	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	Flood waste disposal	F403	
18	5.303.6	Areas of addition or alterations	P100 - P105	
19	5.303.6	Standards for plumbing fixtures and fittings	Section 22 05 00	
OUTDOOR WATER USE				
20	5.304.1	Scapes	See Civil	Project designed to meet CCR Title 23, Division 2, Chapter 2.7
21	5.304.2	Outdoor water use in landscape areas greater than 500 SF	See Civil	See plans for completed 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	5.304.5	Outdoor water use in landscape areas less than 2,500 SF	N/A	
25	5.304.5	Irrigation or sprinkler 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	Sprinklers		Project designed with irrigation systems that prevent moisture penetration
29	5.407.2.2	Exterior door openings	A330	
30	5.407.2.2.1	Exterior door protection	A331	Primary exterior entry covered by an overhang greater than 4'-0" in depth
31	5.407.2.2.2	Flashing	A330	
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 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	5.408.3	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	Recycling by occupants	A101	Recycling by Occupants areas are noted on plan with "R" 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	Bank 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	5.410.3.1.1	System Manual	N/A	System Manual will be provided to owner at construction completion. Requirements outlined in OPR and Commissioning Plan
46	5.410.3.1.2	System operation training	N/A	System Operation Training will be provided to owner at construction completion. Requirements outlined in OPR and Commissioning Plan
47	5.410.3.1.3	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	Tuning 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	System Manual	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	Commissioning	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 23 05 00	Part 1.11 - Site Considerations.
58	5.504.3	Covering of duct opening and protection of mechanical equipment during construction	Section 23 02 00	
59	5.504.4	Hazard material pollutant control	See specifications - Division 9	
60	5.504.4.1	Adhesives, Sealants and Caulks	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	Aerosol paints and coatings	Section 09 01 00	Part 1 - General
63	5.504.4.3.2	Venipaints	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 08 40 00	Part 2 - Products
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-M015	
71	5.504.5.3	Fibers	M401	
72	5.504.7	Environmental tobacco smoke (ETS)	G0303	See drawings for "No Smoking" signage
INDOOR MOISTURE AND RADON CONTROL				
73	5.505.1	Indoor moisture control	A140-A440	The design complies with CCR, Title 24, Part 3 Section 1203 and Chapter 14
AIR QUALITY AND EXHAUST				
74	5.505.1	Outside air delivery	M401	The ventilation rates comply with CA energy code. See RTU schedules
75	5.505.2	Carbon dioxide (CO2) monitoring	M401	CO2 sensors comply with CA energy code.
ENVIRONMENTAL COMFORT				
76	5.507.4	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	M401	All refrigerant is R-410A, a non-CFC. See RTU and AC schedules.
80	5.508.1.1	PTCS	M401	All refrigerant is R-410A, a non-CFC. See RTU and AC schedules.
81	5.508.1.2	Isolans	M401	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 #A0122 & #A0123, OUTDOOR PLAY #KA010 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 + 1/600)	PROVIDED	REQUIRED	PROVIDED
A-3 ASSEMBLY	MEN - 1,546	(3,400 + 1/600)	8	(4,600 + 1/300)	8	(4,750 + 1/250)	15	--	--	--	--
	WOMEN - 1,546	(6,400 + 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 DESIGN 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:
- INTERIOR NON-BEARING WALL WEIGHING MORE THAN 15 PSF.
 - EXTERIOR CLADDING AND INTERIOR/EXTERIOR VENEER WEIGHING MORE THAN 5 PSF.
 - SPRAYED FIRE-RESISTANT MATERIALS
 - ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS.
 - FLAMMABLE, COMBUSTIBLE, OR HIGHLY TOXIC PIPING SYSTEMS AND THEIR ASSOCIATED MECHANICAL UNITS.

DEPT. COMPONENT OR SYSTEM

DEPT. COMPONENT OR SYSTEM	IP	SEISMIC BRACING REQ'D
M FIRE PROTECTION EQUIP. AND SYSTEMS	1.5	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
E CEILING TILE GRID	1.0	Y
A PARTITION WALLS	1.0	Y

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 15.36)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)					
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 STANDARDS. NO STANDPIPES IN EDUCATION AND INSTITUTIONAL OCCUPANCY AREAS ONLY.					
BUILDING HEIGHT:	50'-0", 2-STORIES					
MEZZANINE:	NO					
HIGH RISE:	NO					
GROSS BUILDING AREA:						
1ST FLOOR:	42,433 SF					
2ND FLOOR:	42,333 SF					
TOTAL:	84,766 SF					
ALLOWABLE AREA MAIN BUILDING:						
PRIMARY OCCUPANCY:	ASSEMBLY, A-3					
SECONDARY OCCUPANCIES:	A-2, B, E, I-4, S-1					
MIXED OCCUPANCY:	YES					
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)	TABLE 506.2 (A-2 & A-3)	SECTION 506.3 SPRINKLER INCREASE	SECTION 506.3 FRONTAGE INCREASE (ft)	ALLOWABLE AREA / STORY: TABLE 506.2
1	A-3, A-2, B, S-1	42,433 SF	15,500 SF	(SM) 46,500 SF	NA	46,500 SF
2	A-3, B, S-1, E, I-4	42,333 SF	15,500 SF	(SM) 46,500 SF	NA	46,500 SF
ALLOWABLE HEIGHT:		ALLOWABLE (CBC TABLE 504.3, 504.4)	SHOWN ON PLANS	CODE REFERENCE		
TYPE OF CONSTRUCTION MAIN BLDG.	TYPE 2A			TABLE 601		
BUILDING HEIGHT IN FEET MAIN BLDG.	FEET: 85'-0" = H (65' + 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 FIRES TOPPING, FIREPROOFING, & UL / ASTM DESIGNS						
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET) - TABLE 602	FIRE RESISTANCE RATING FOR TYPE 2A - TABLE 601	REQ'D	PROVIDED	DETAIL # & SHEET #	CODE REFERENCE
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
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:	YES					
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'		
1. 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.						
2. EVERY ASSEMBLY OCCUPANCY WITH AN OCCUPANCY GREATER THAN 49 IS TO BE POSTED WITH THE APPROVED OCCUPANT LOAD.						
3. 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.						

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 F	NFPA 704 R	NFPA 704 OTHER
SODIUM HYPOCHLORITE	UNIVAR	SODIUM HYPOCHLORITE	SODIUM HYPOCHLORITE	< 16	7681-52-9	POOL EQUIPMENT ROOM AT REAR OF BUILDING	500	NA	CORROSIVE		500 GALLON TANK	500 GALLONS	N/A	500 GALLONS	500 GALLON DUAL CONTAINMENT TANK	LIQUID (ROOM TEMP/ATMOSPHERIC PRESSURE)	SODIUM HYPOCHLORITE	3	0	1	
CARBON DIOXIDE	AIRGAS	CARBON DIOXIDE	CARBON DIOXIDE	100	124-38-9	EXTERIOR - REAR OF BUILDING	NA	NA	N/A					3-750 lb TANK	MIZER 750, PRESSURIZED TANKS	GAS OR LIQUID	CARBON DIOXIDE	1	0	0	
MURIATIC ACID SOLUTION	UNIVAR	HYDROCHLORIC ACID	HYDROCHLORIC ACID	3-35	7647-01-0	POOL EQUIPMENT ROOM AT REAR OF BUILDING	120 GALLONS	NA	CORROSIVE		15 GALLON/8	120 GALLON	N/A	120 GALLONS	15 GALLON CARBOY ON 30 GAL CONTAINMENT PALLET	LIQUID (ROOM TEMP/ATMOSPHERIC PRESSURE)	BAS79788	3	0	1	
CALCIUM CHLORIDE	HASA INC.	CALCIUM CHLORIDE	CALCIUM CHLORIDE	100	10043-52-4	POOL EQUIPMENT ROOM AT REAR OF BUILDING	100 lbs	NA	N/A		50 lbs./2	N/A	50 lbs	100 lbs / (10 = 10 GALLONS)	BAGS AND 40 GALLON PLASTIC CONTAINERS	SOLID (ROOM TEMP/ATMOSPHERIC PRESSURE)	CALCIUM CHLORIDE	1	0	0	
BAKING SODA	CHURCH & DWIGHT	SODIUM BICARBONATE	SODIUM BICARBONATE	99	144-55-8	POOL EQUIPMENT ROOM AT REAR OF BUILDING	100lbs	NA	N/A		50 lbs./2	N/A	50 lbs	100 lbs / (10 = 10 GALLONS)	BAGS AND 40 GALLON PLASTIC CONTAINERS	SOLID (ROOM TEMP/ATMOSPHERIC PRESSURE)	SODIUM BICARBONATE - BAKING SODA	1	0	0	
SODA ASH	FMC WYOMING CORP.	SODIUM CARBONATE	SODIUM CARBONATE	99.8	497-19-8	POOL EQUIPMENT ROOM AT REAR OF BUILDING	100lbs	NA	N/A		50 lbs./2	N/A	50 lbs	100 lbs / (10 = 10 GALLONS)	BAGS AND 40 GALLON PLASTIC CONTAINERS	SOLID (ROOM TEMP/ATMOSPHERIC PRESSURE)	SODIUM CARBONATE - SODA ASH	2	0	1	
SODIUM THIOSULFATE	UNIVAR	SODIUM THIOSULFATE	SODIUM THIOSULFATE	42	7772-98-7	POOL EQUIPMENT ROOM AT REAR OF BUILDING	100lbs	NA	N/A		50 lbs./2	N/A	50 lbs	100 lbs / (10 = 10 GALLONS)	BAGS AND 40 GALLON PLASTIC CONTAINERS	SOLID (ROOM TEMP/ATMOSPHERIC PRESSURE)	SODIUM THIOSULFATE	1	0	0	
CYANURIC ACID (CONDITIONER)	AQUA TRI	CYANURIC ACID	CYANURIC ACID	100	108-80-5	POOL EQUIPMENT ROOM AT REAR OF BUILDING	100lbs	NA	N/A		50 lbs./2	N/A	50 lbs	100 lbs / (10 = 10 GALLONS)	100 lb DRUM	SOLID (ROOM TEMP/ATMOSPHERIC PRESSURE)	ALL CLEAR CYANURIC ACID	2	0	0	
TOTALS						680 GALLONS AND 500 lbs															

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150'-0"

MAIN STREET WEST

LA MEDIA

CAPRISE AVE

MAIN STREET EAST

LIFE TIME

2-STORY BUILDING (84,766 SF)
A-3 OCCUPANCY
TYPE-A CONSTRUCTION
SEE SHEETS G101 AND G102 FOR CODE PLANS

PARKING SUMMARY:
XXX STALLS + 9 ACCESSIBLE STALLS =

MODEL 3271 AT
FRONT ENTRY
02.029

02.014
02.008

02.014
02.008

02.014
26.300

02.009

02.016

RETAINING WALL

LANDSCAPE SETBACK

PROPERTY LINE

PUBLIC FIRE HYDRANT

PUBLIC FIRE HYDRANT

PUBLIC FIRE HYDRANT

01.012

FIRE CONTROL ROOM

02.029

MODEL 4431 AT FIRE CONTROL ROOM

POOL DECK
SEE SHEET G-100A

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

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

LIFE TIME
HEALTHY WAY OF LIFE

2902 CORPORATE PLACE CHANHASSEN, MN 55317

CONSULTANT

LIFE TIME
PROPERTY DEVELOPMENT

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT PROPERTIES

DRAWING LOG

REV DATE DESCRIPTION

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NAME REG. NO.
MATTHEW J. BRINZA 33496

EXP DATE: 07/31/2023

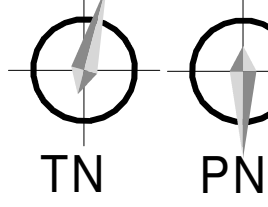
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ISSUE DATE: 06/30/22

SHEET NO.

G100

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CODE PLAN - SITE





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


REQUIRED EXIT WIDTH FROM POOL DECK
 $2,594 \times 0.15 = 389.1"$


TOTAL EXIT WIDTH PROVIDED
412"


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. "ABC" PROTOTYPICAL 2A10BC
FE(K)	FIRE EXTINGUISHER, CLASS K, ON BRACKET
FEC-1	FIRE EXTINGUISHER CABINET - SEMI-RECESSED (SHOWN RECTANGULAR) "ABC" PROTOTYPICAL 2A10BC
FEC-2	FIRE EXTINGUISHER CABINET - SURFACE MOUNTED (SHOWN RECTANGULAR) CUT WALL PADS AROUND CABINET "ABC" PROTOTYPICAL 2A10BC
AED	AUTOMATED EXTERNAL DEFIBRILLATOR
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
41.00	SQ. FT. PER OCCUPANT
Calc. Occ Load	NO. 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/ICC A117.1




Diagram illustrating a single exit door with three exits:

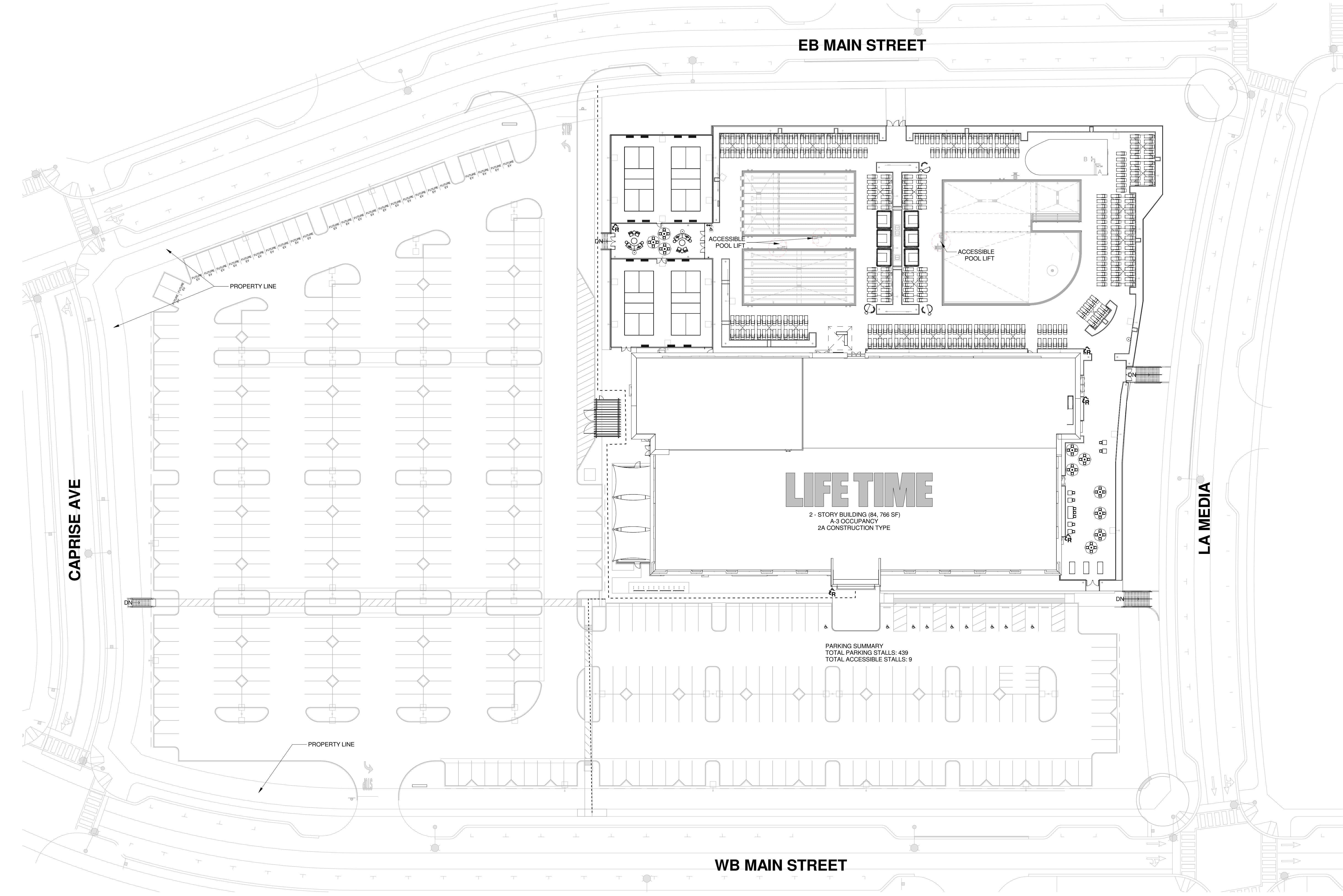
- EXIT # — OCCUPANT LOAD
- # — EXIT NUMBER
- # — HARDWARE NUMBER

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

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



LEGEND

- DESIGNED FOR ACCESSIBILITY PER ANSI/ICC 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:

- SEE CIVIL REFERENCE DRAWINGS FOR MORE DETAILS ON PRECISE GRADING AND SLOPES
- ALL EXIT SIGNS AND EXIT ROUTES SIGNS SHALL BE INSTALLED PER A0.18. PRECISE SIGN LOCATIONS TO BE VERIFIED DURING INSPECTION
- TYPICAL SIGN HEIGHT TO TOP OF MOST SIGNS = 60" (UNLESS NOTED OTHERWISE)
- PLACE SIGN TO LATCH SIDE OF DOOR IF PLACED NEXT TO DOOR
- IF GROUPS OF SIGNS ARE PLACED CONSULT ARCHITECT FOR PROPER PLACEMENT
- EVERY ASSEMBLY OCCUPANCY IS TO BE POSTED WITH THE APPROVED OCCUPANT LOAD
- SEE CODE INFORMATION SHEET FOR ADDITIONAL INFORMATION
- 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
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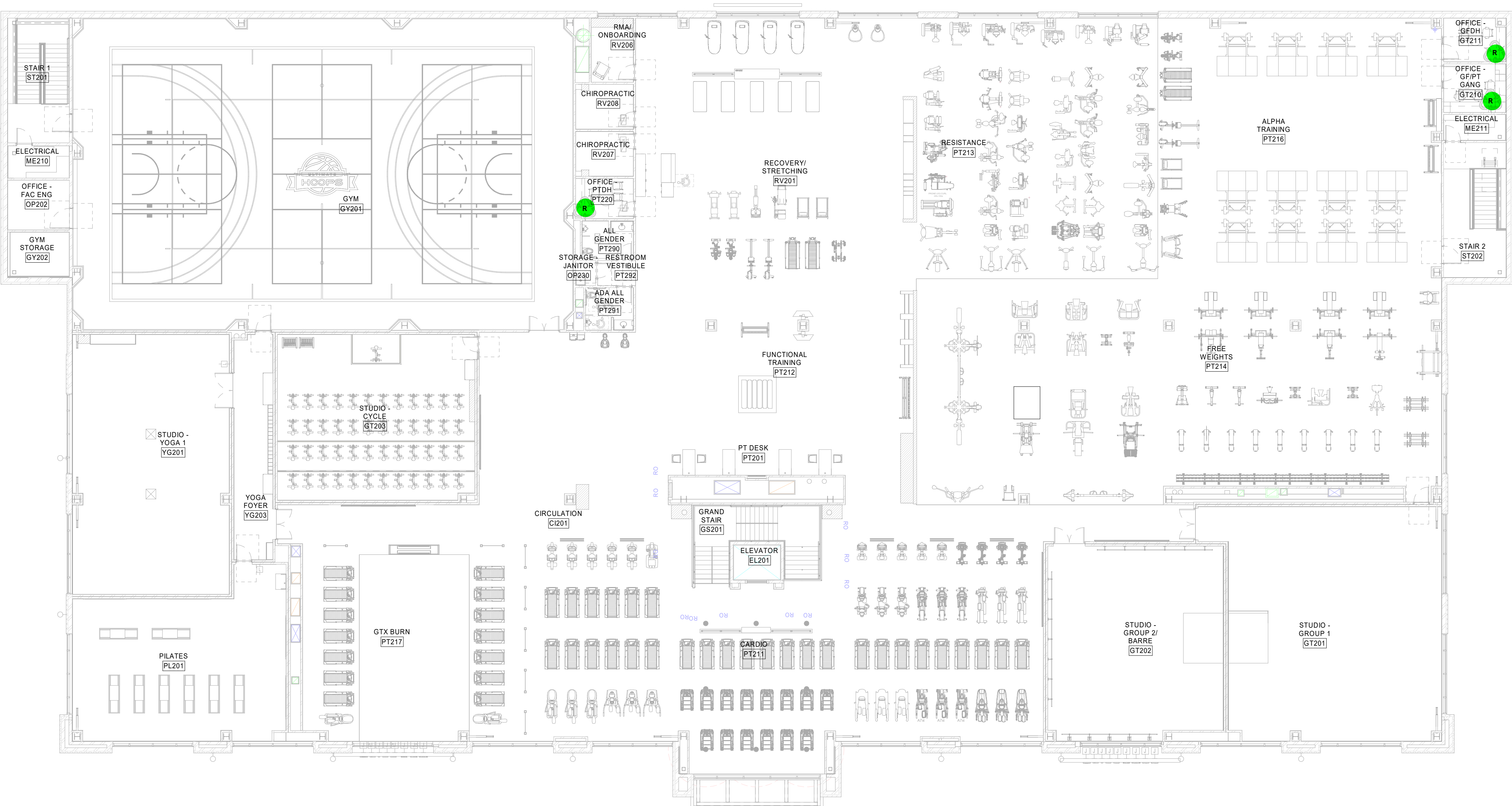
NAME: MATTHEW J. BRINZA
REG. NO.: 33496
EXP DATE: 07/31/2023

STAMP

ISSUE DATE: 06/30/22
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ACCESSIBILITY AND SIGNAGE PLAN - SITE

E
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C
B
A
3/18/2022 10:19:05 AM



TOTAL SQFT: 42,333

A1 ACCESSIBILITY AND SIGNAGE PLAN - SECOND FLOOR
3/32" = 1'-0"

LIFE TIME
HEALTHY WAY OF LIFE
2802 CORPORATE PLACE CHANHASSEN, MN 55317

CONSULTANT

LIFE TIME
PROPERTY
DEVELOPMENT

PROJECT INFORMATION

Chula Vista, CA
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MATTHEW J. BRINZA 33496
EXP DATE: 07/31/2023

STAMP

KEY PLAN



ISSUE DATE:

SHEET NO.

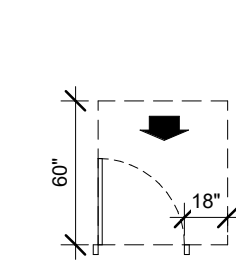
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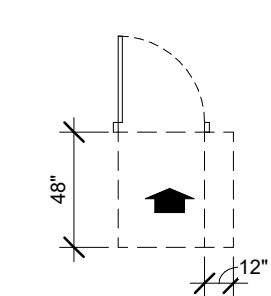
DOOR ACCESSIBILITY CLEARANCES:

NOTE: ALL STATED DIMENSIONS ARE MINIMUM REQUIREMENTS

FRONT APPROACH PULL SIDE

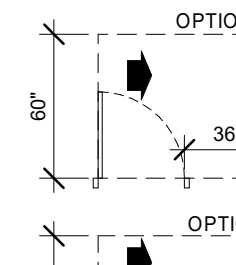


FRONT APPROACH PUSH SIDE

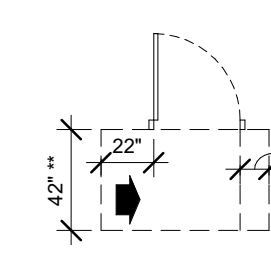


* IF BOTH CLOSER AND LATCH ARE PROVIDED

HINGE APPROACH PULL SIDE

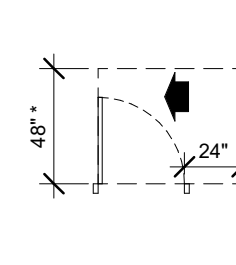


HINGE APPROACH PUSH SIDE

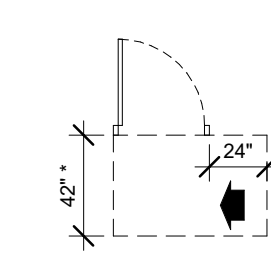


* IF BOTH CLOSER AND LATCH ARE PROVIDED
** 48" IF BOTH CLOSER AND LATCH ARE PROVIDED

LATCH APPROACH PULL SIDE



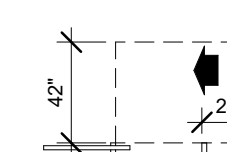
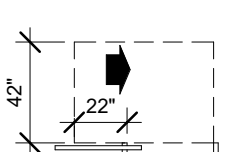
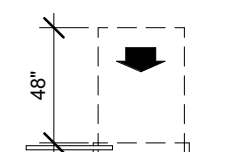
LATCH APPROACH PUSH SIDE



* 54" IF CLOSER IS PROVIDED

* 48" IF CLOSER IS PROVIDED

SLIDING AND FOLDING DOORS



LEGEND

DESIGNED FOR ACCESSIBILITY PER ANSI/ICC A117.1

ACCESSIBLE ROUTE

ACCESSIBLE TURNING RADIUS (60") AS REQUIRED

ACCESSIBLE CLEAR FLOOR SPACE (30" X 48") PROVIDED

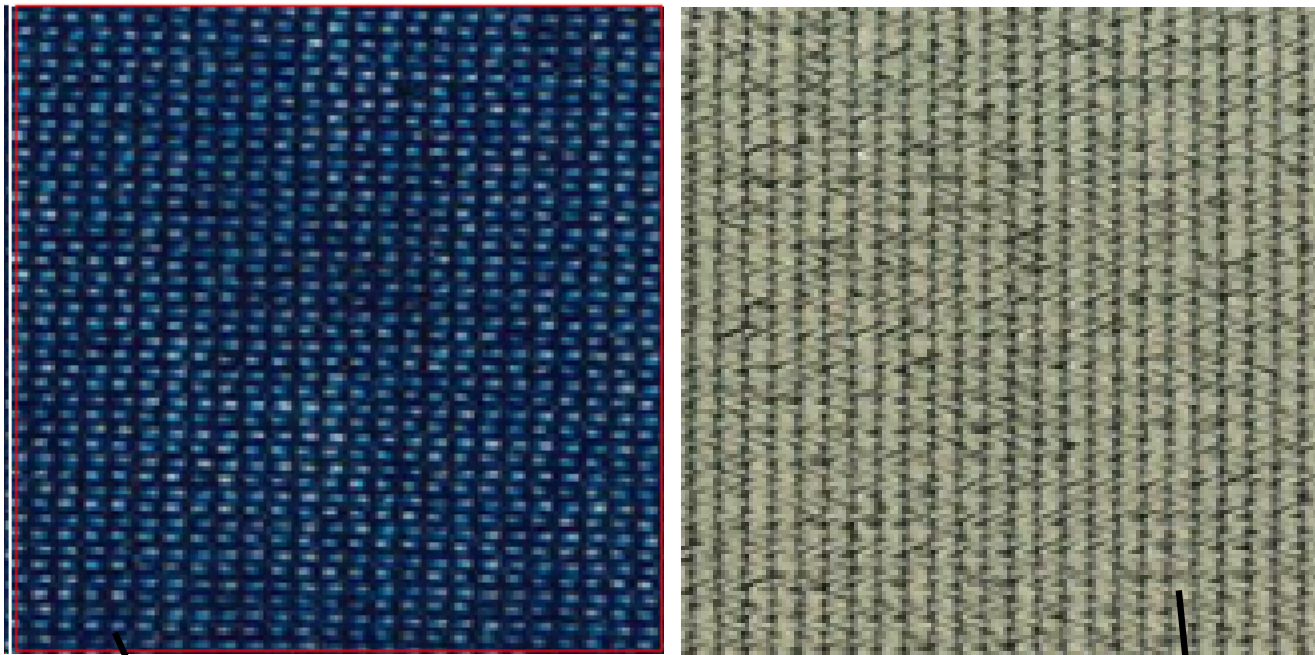
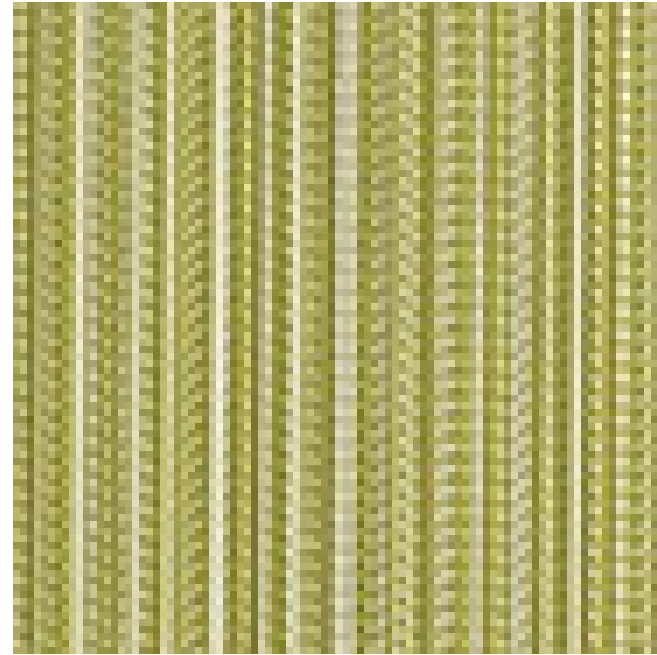
ACCESSIBLE LOCKER

LOCATION OF TRIPLE STREAM COLLECTION RECEPTACLES FOR TRASH, RECYCLABLES AND FOOD/ORGANIC WASTE.

GENERAL NOTES:

- SEE CIVIL REFERENCE DRAWINGS FOR MORE DETAILS ON PRECISE GRADING AND SLOPES
- ALL EXIT SIGNS AND EXIT ROUTES SIGNS SHALL BE INSTALLED PER A0 18. PRECISE SIGN LOCATIONS TO BE VERIFIED DURING INSPECTION
- TYPICAL SIGN HEIGHT TO TOP OF MOST SIGNS = 60" (UNLESS NOTED OTHERWISE)
- PLACE SIGN TO LATCH SIDE OF DOOR IF PLACED NEXT TO DOOR
- IF GROUPS OF SIGNS ARE PLACED CONSULT ARCHITECT FOR PROPER PLACEMENT
- EVERY ASSEMBLY OCCUPANCY IS TO BE POSTED WITH THE APPROVED OCCUPANT LOAD
- SEE CODE INFORMATION SHEET FOR ADDITIONAL INFORMATION
- SEE INTERIOR ELEVATIONS - MOUNTING HEIGHTS SHEET FOR COMPLIANT FIXTURE PARAMETERS

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CHAISE LOUNGE UPHOLSTERY

SHADE STRUCTURES

CABANA FRAME AND DRAPE

WATERSLIDE

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".

KEYNOTE LEGEND

LIFE TIME
HEALTHY WAY OF LIFE
2802 CORPORATE PLACE CHANHASSEN, MN 55317
CONSULTANT
LIFE TIME
PROPERTY DEVELOPMENT

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN
PROJECT PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION
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NOT FOR
CONSTRUCTION

CONFIDENTIALITY NOTICE

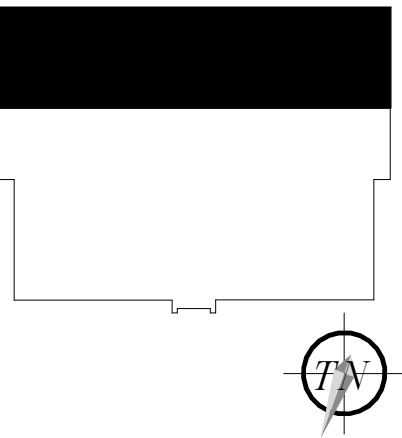
BY ACCEPTING THIS MATERIAL, THE RECIPIENT ACKNOWLEDGES AND AGREES THAT THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND SHALL NOT BE DISCLOSED, DISTRIBUTED, OR OTHERWISE TRANSMITTED IN ANY WAY WITHOUT THE EXPRESS WRITTEN CONSENT OF LIFE TIME, INC. OR ITS SUBSIDIARIES (LTI). THIS MATERIAL AND INFORMATION 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.

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

ENLARGED PLAN - OUTDOOR POOL DECK

KEY PLAN

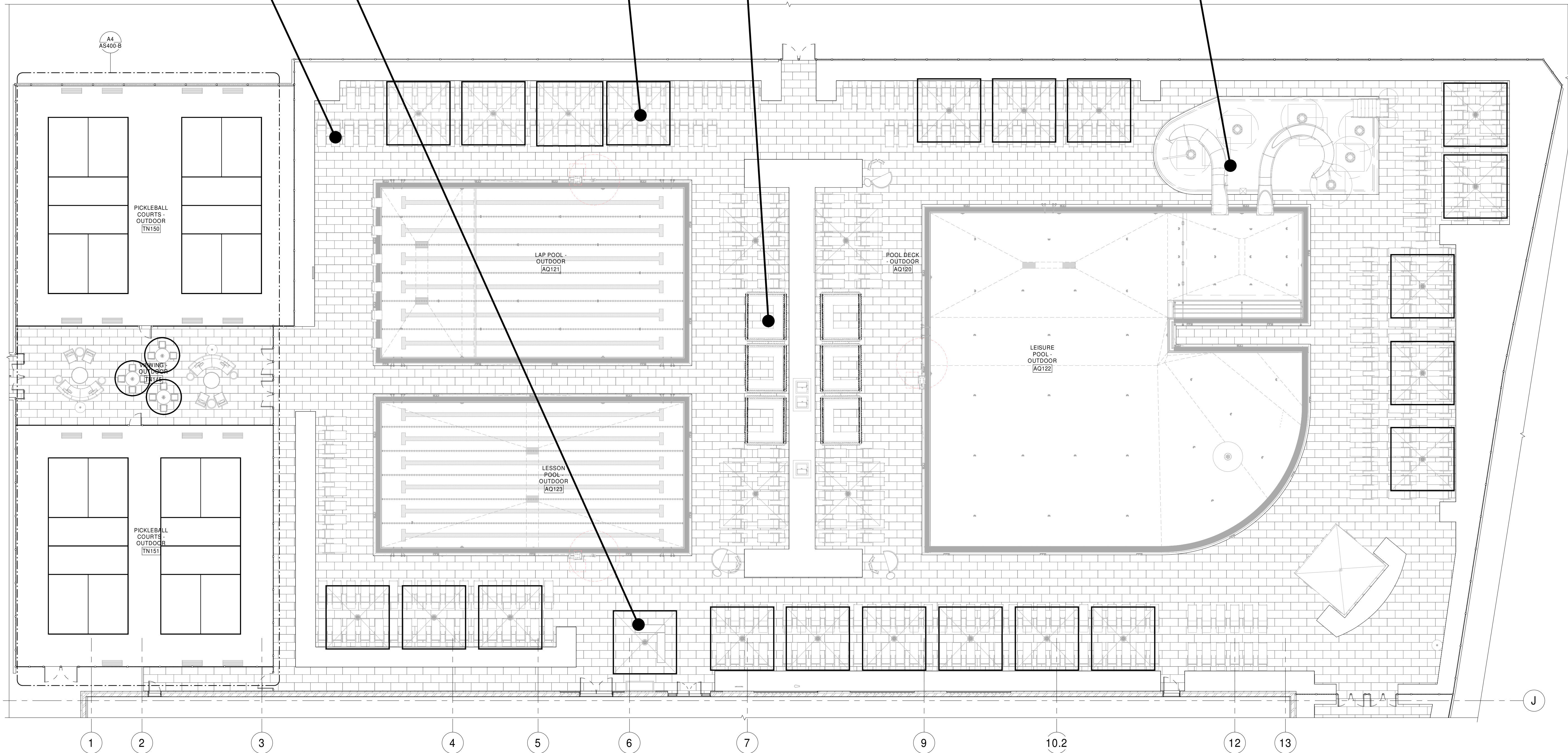


ISSUE DATE: 02/03/2022

SHEET NO.

AS400-A

PUBLICATIONS
CHECK SET 1

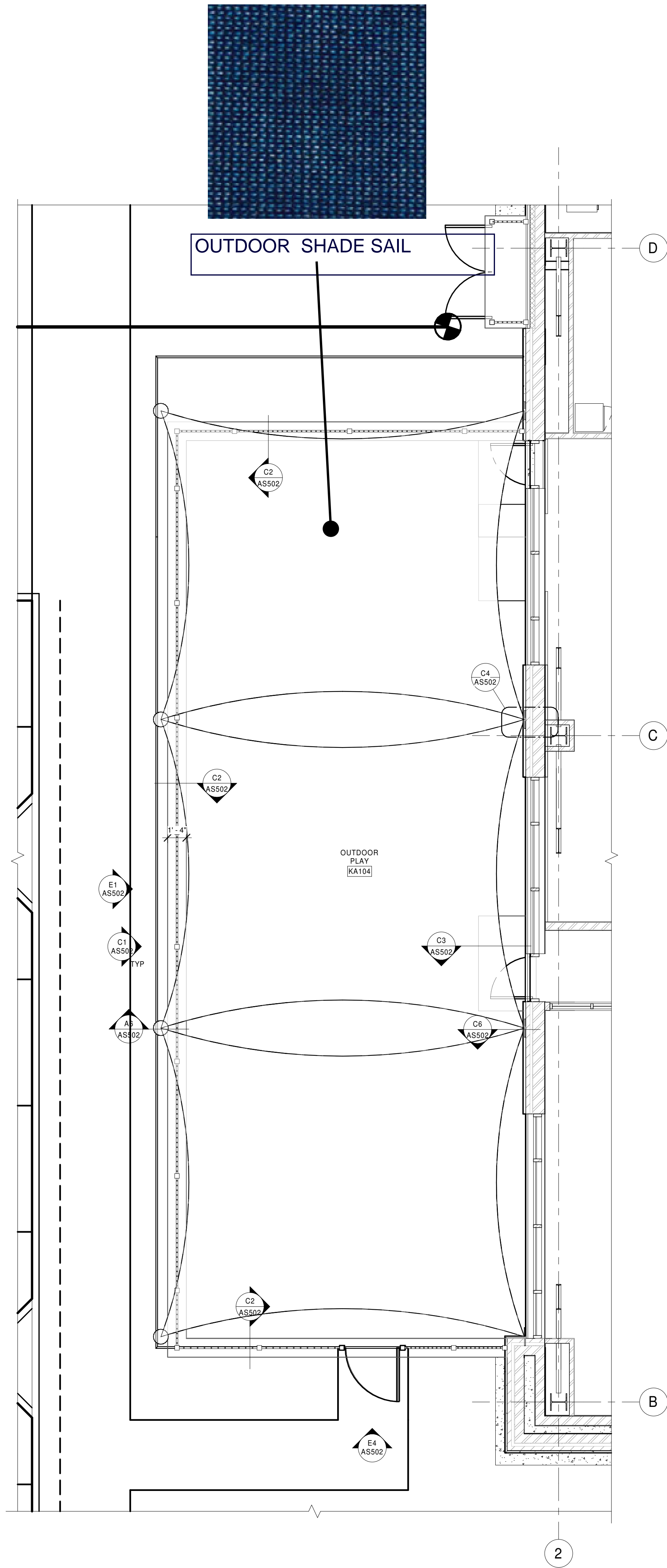


A1 SITE PLAN - OUTDOOR POOL DECK
3/32" = 1'-0"

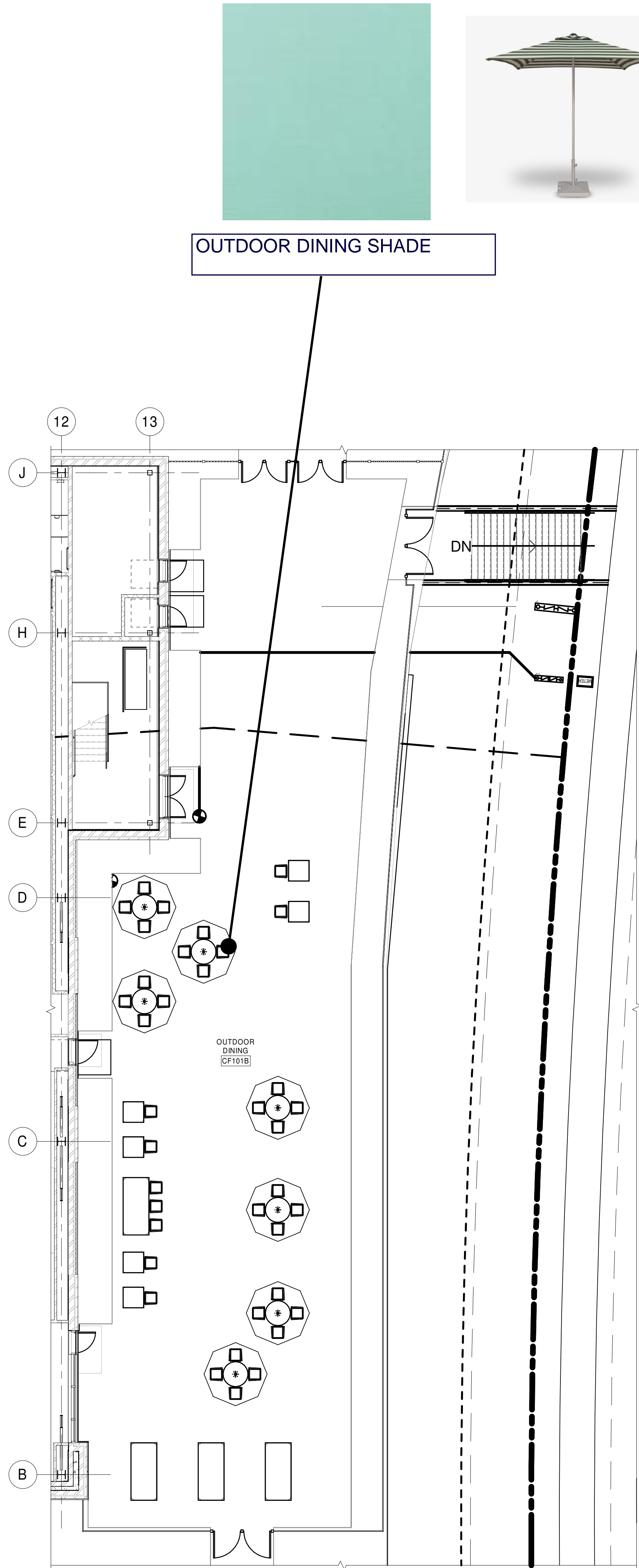
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3/17/2022 5:28:46 PM
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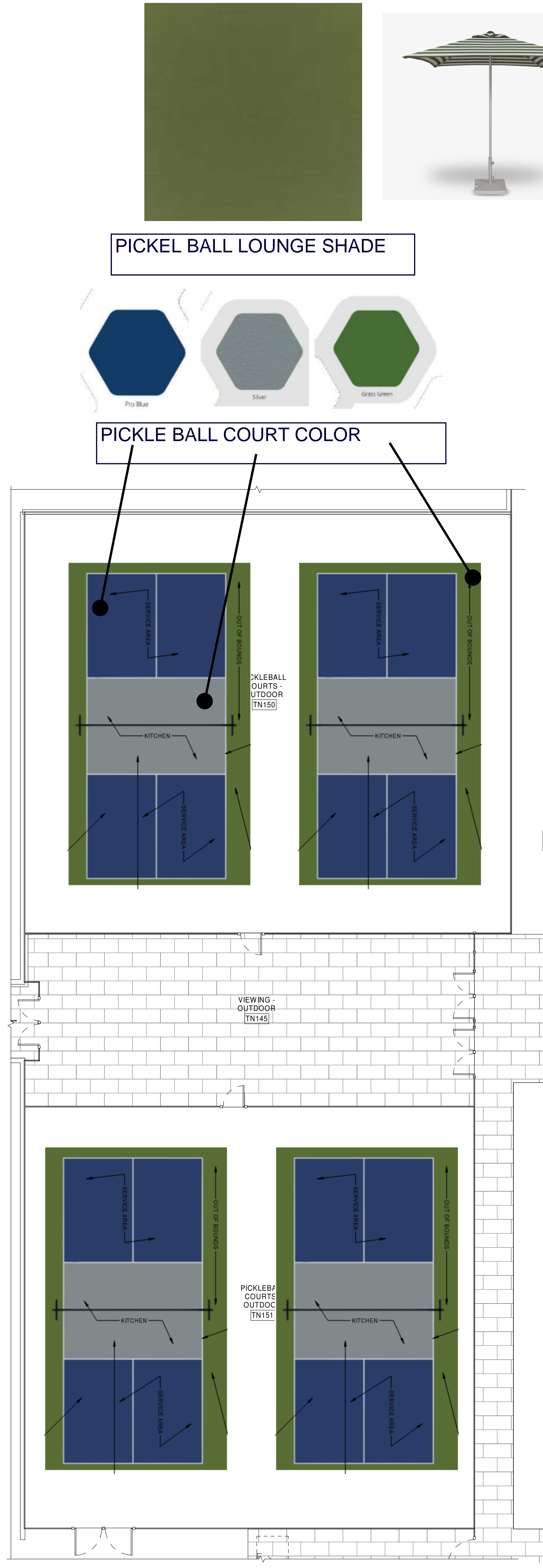
A1 SITE PLAN - OUTDOOR PLAY
1/4" = 1'-0"



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



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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NOT FOR
CONSTRUCTION

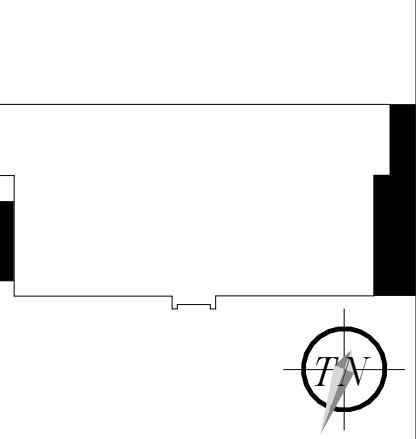
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NAME: MATTHEW J. BRINZA REG. NO.: 33496
EXP. DATE: 07/31/2023
STAMP

KEY PLAN



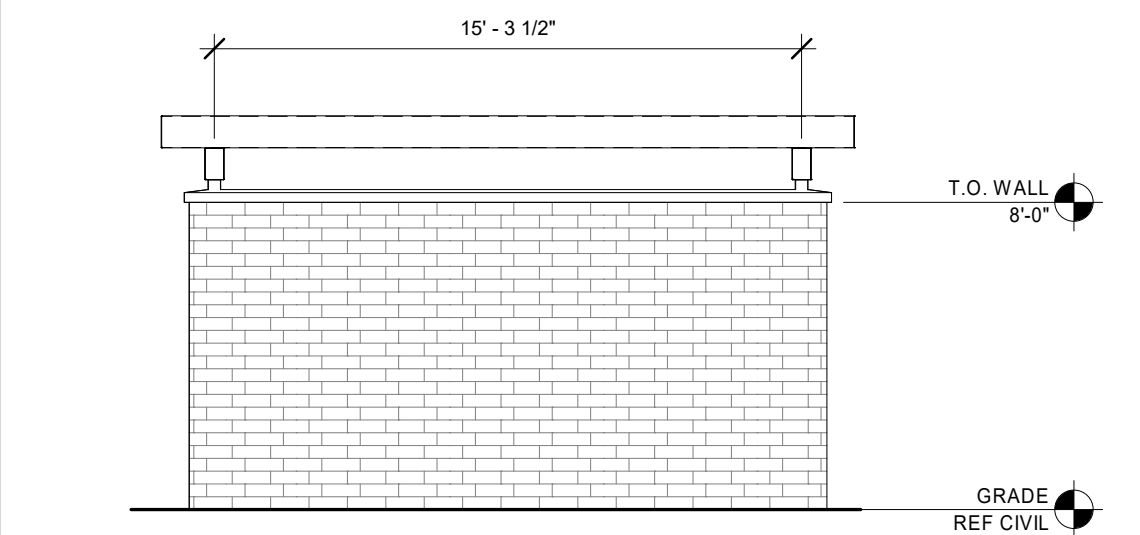
ISSUE DATE: 02/03/2022

SHEET NO.
AS400-B

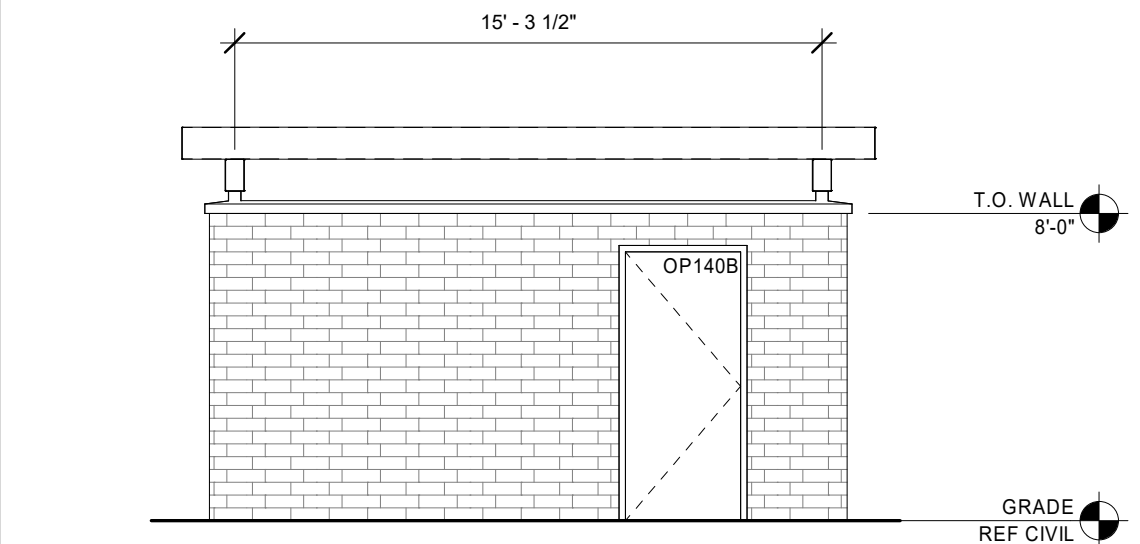
PUBLICATIONS
CHECK SET 1

ENLARGED PLAN - OUTDOOR PLAY, DINING, PICKLE BALL

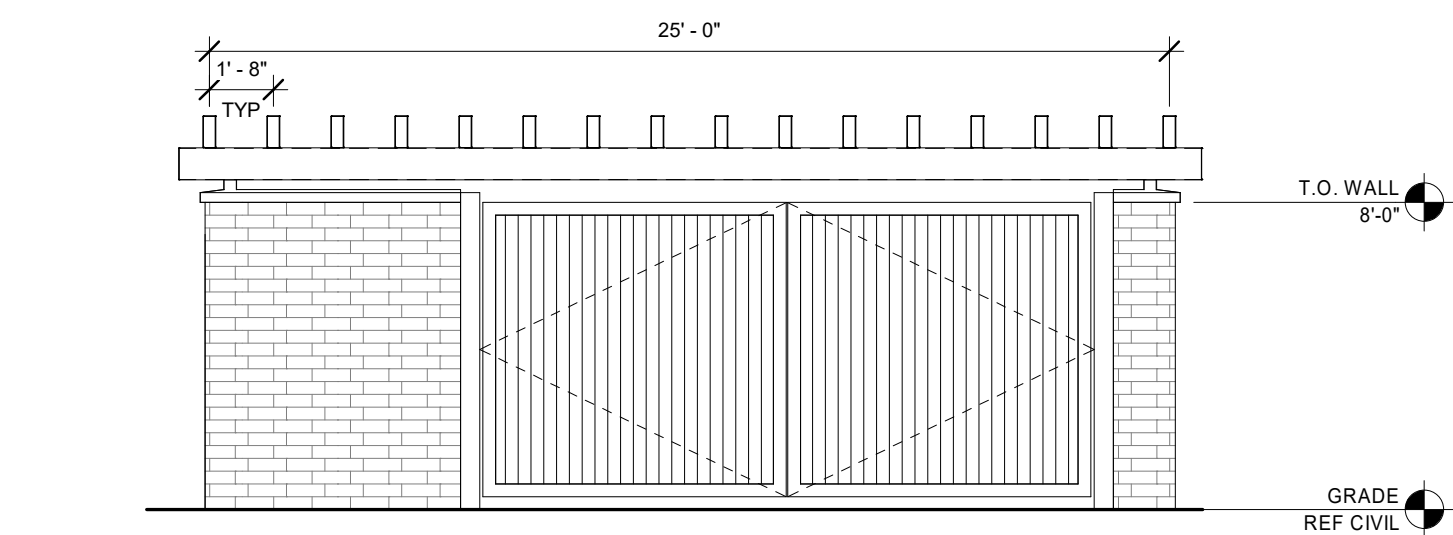
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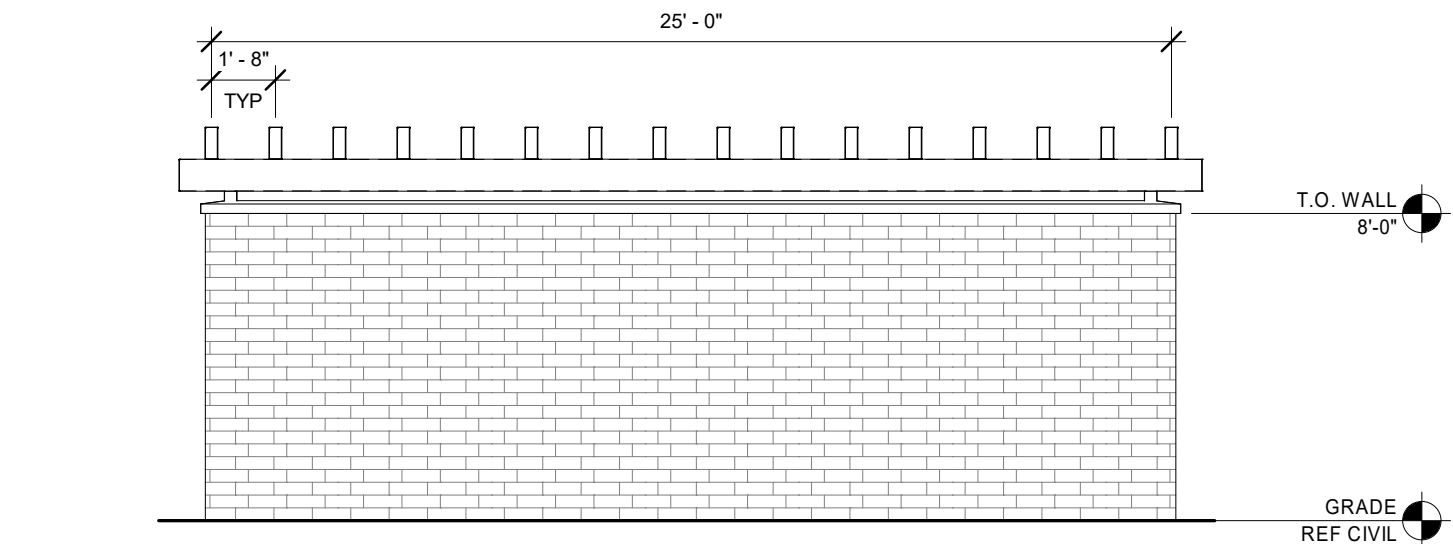
E1 TRASH ENCLOSURE - NORTH
1/4" = 1'-0"



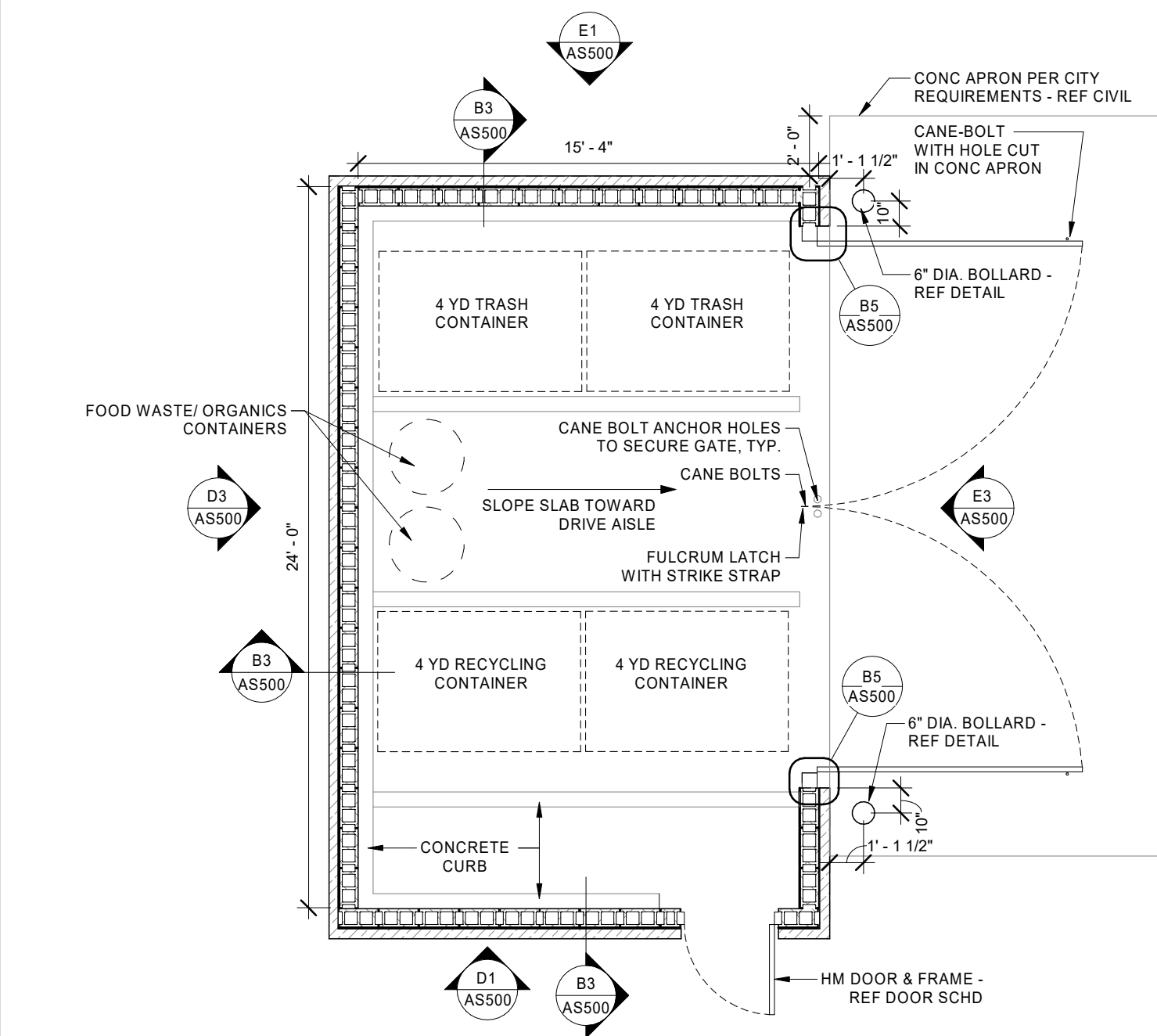
D1 TRASH ENCLOSURE - SOUTH
1/4" = 1'-0"



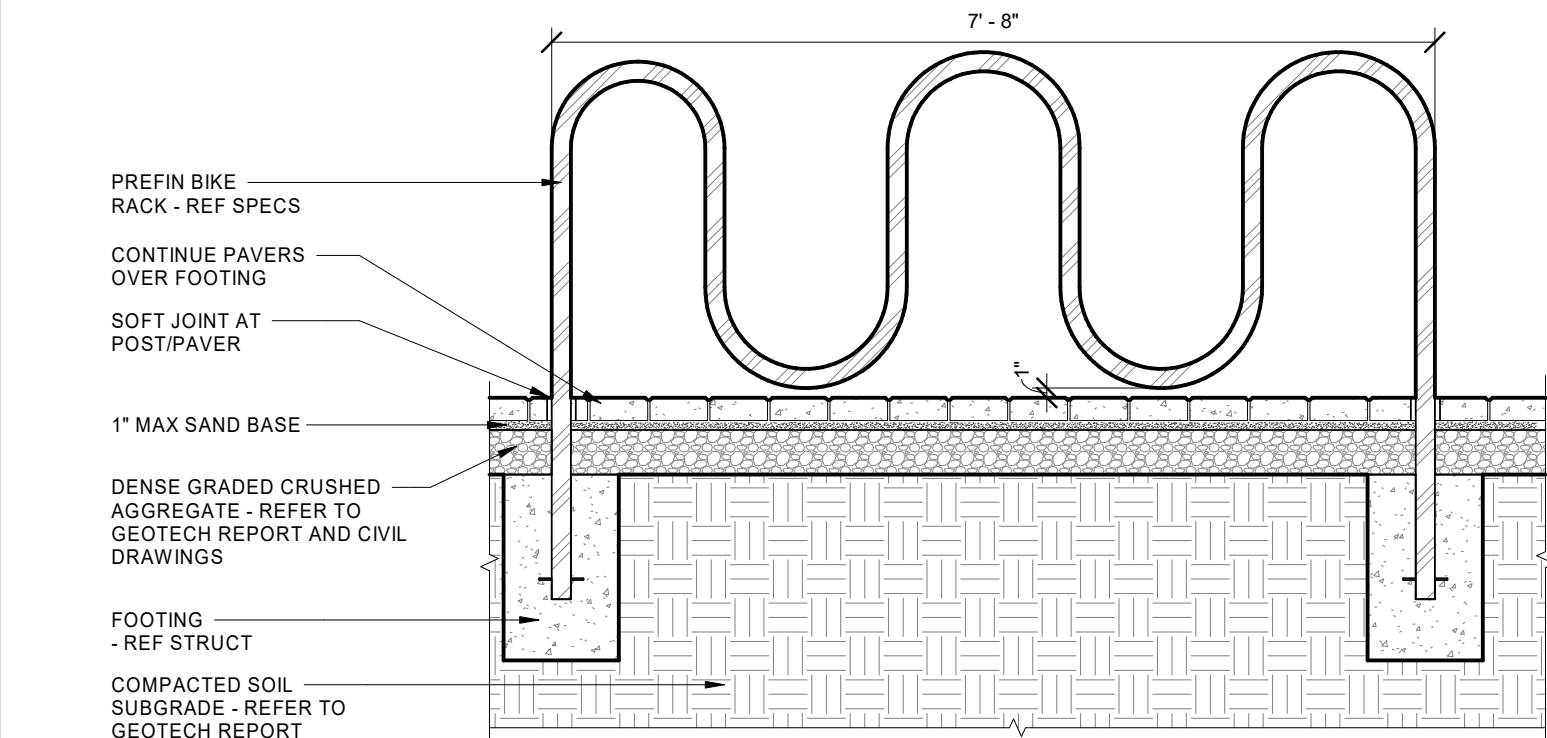
E3 TRASH ENCLOSURE - EAST
1/4" = 1'-0"



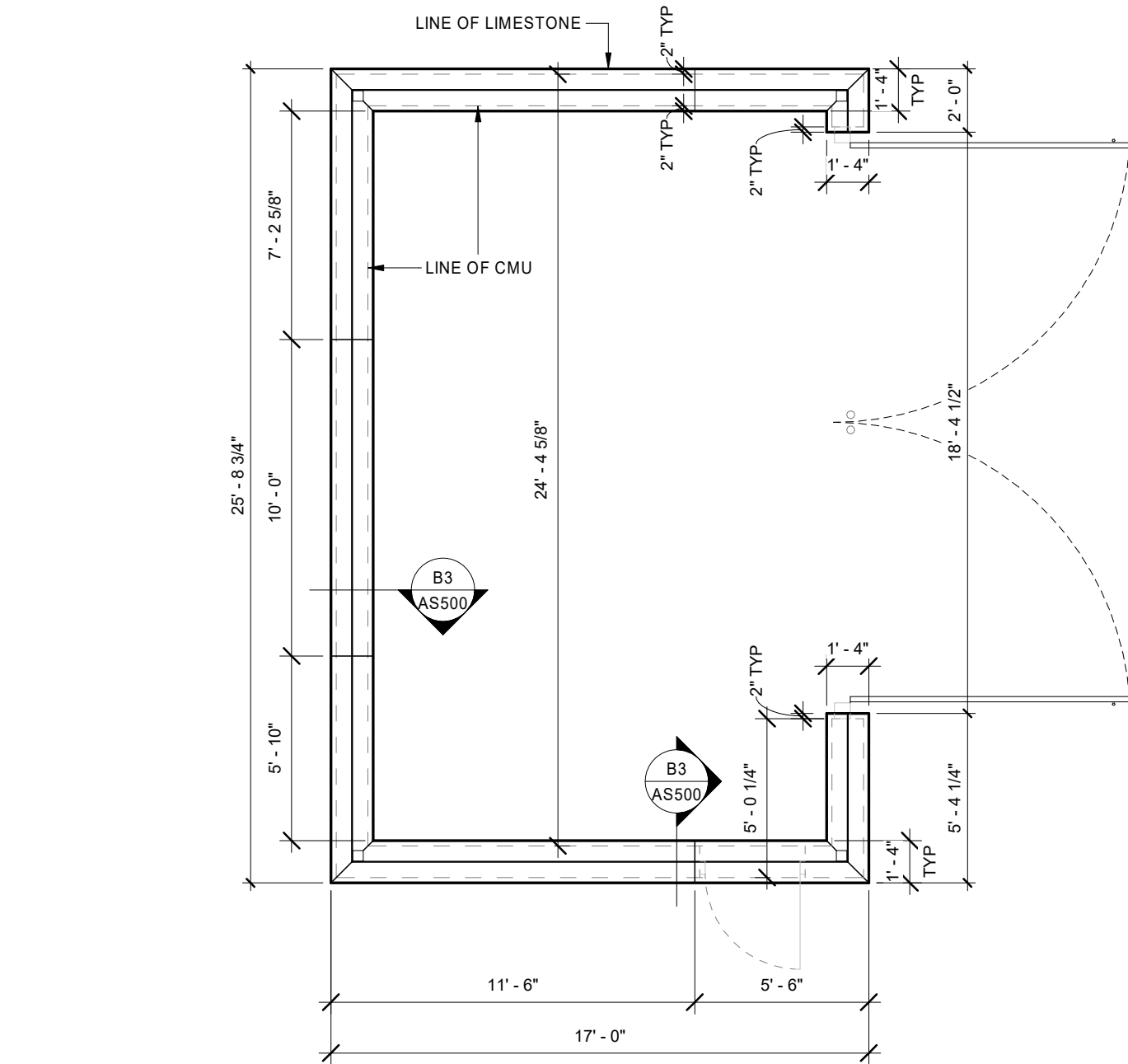
D3 TRASH ENCLOSURE - WEST
1/4" = 1'-0"



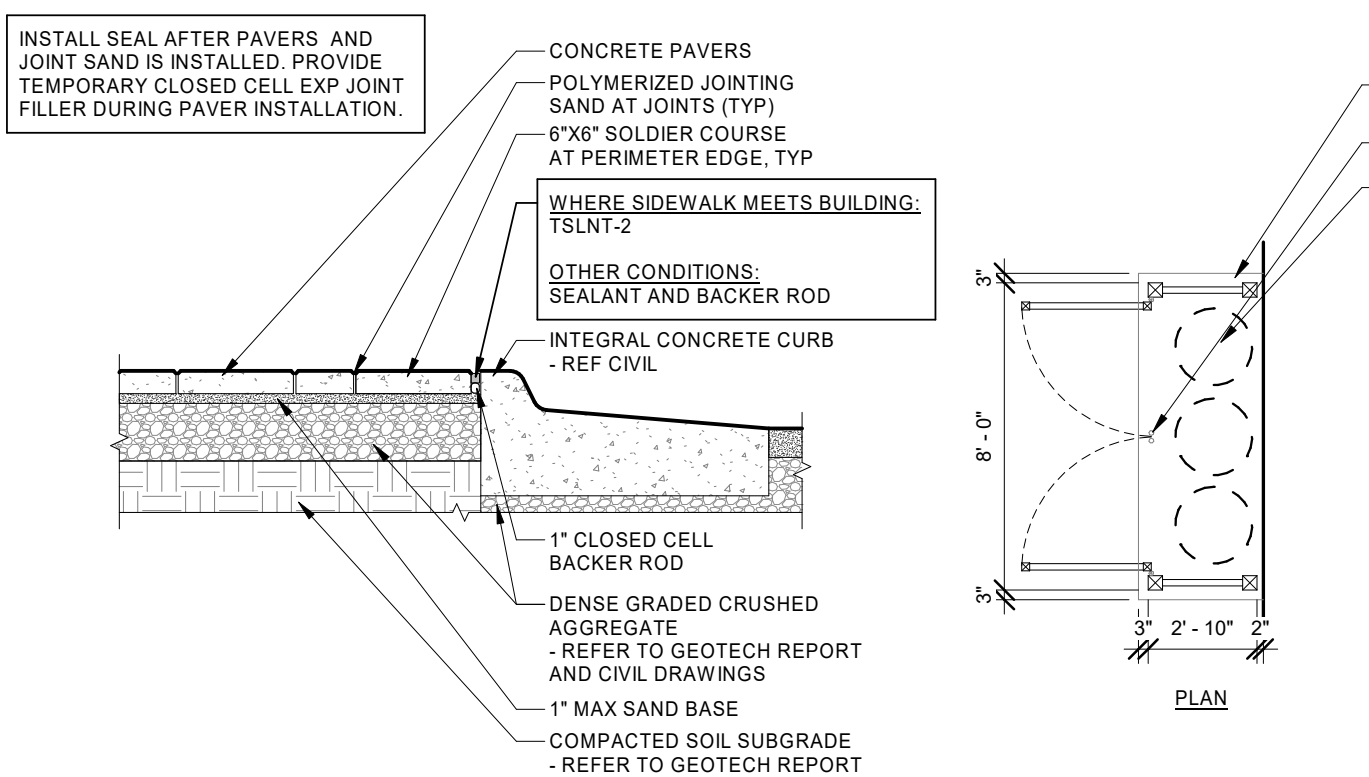
B1 TRASH ENCLOSURE PLAN
1/4" = 1'-0"
DATE LAST MODIFIED: 06/30/2021



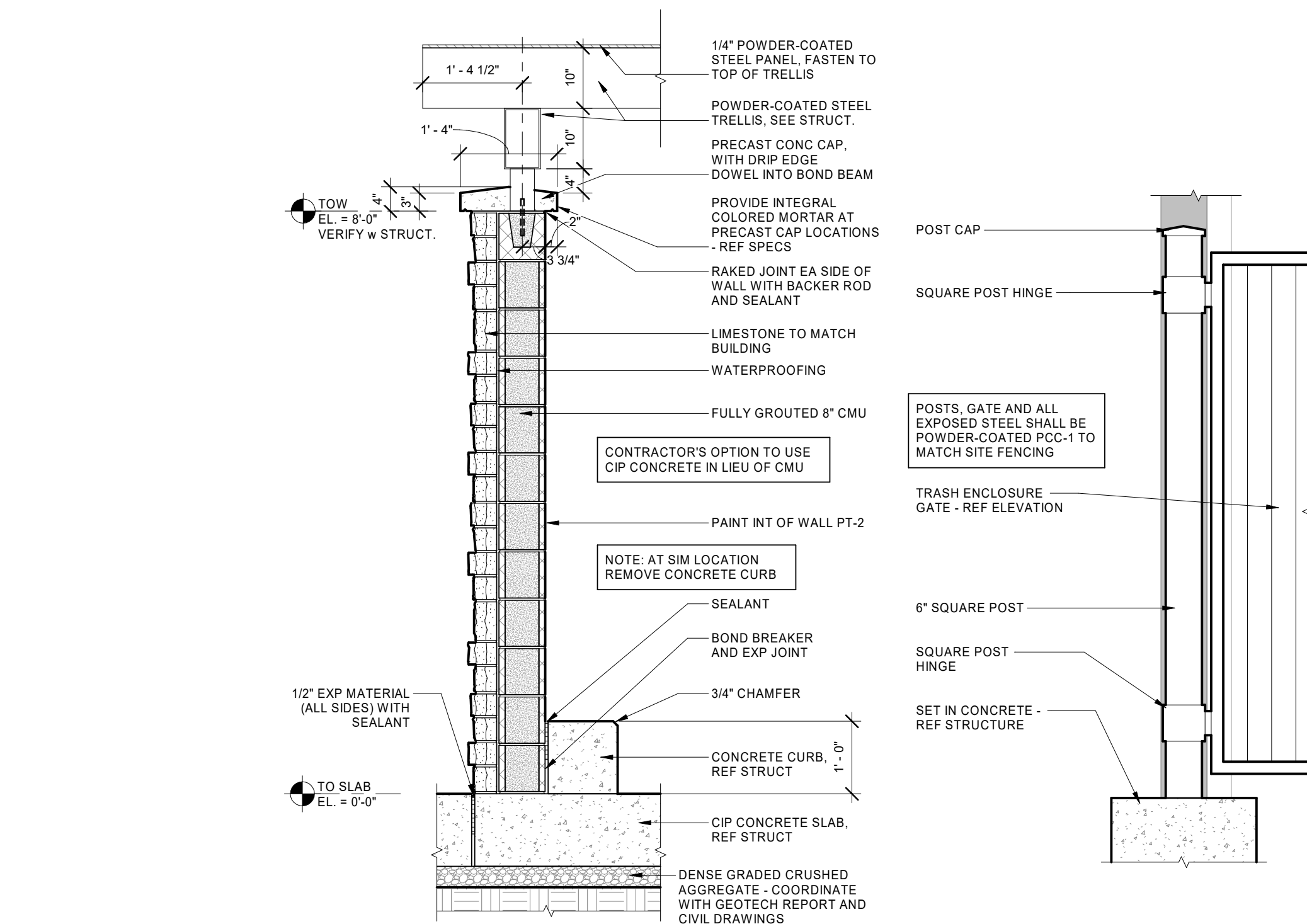
A1 BICYCLE RACK DETAIL
3/4" = 1'-0"



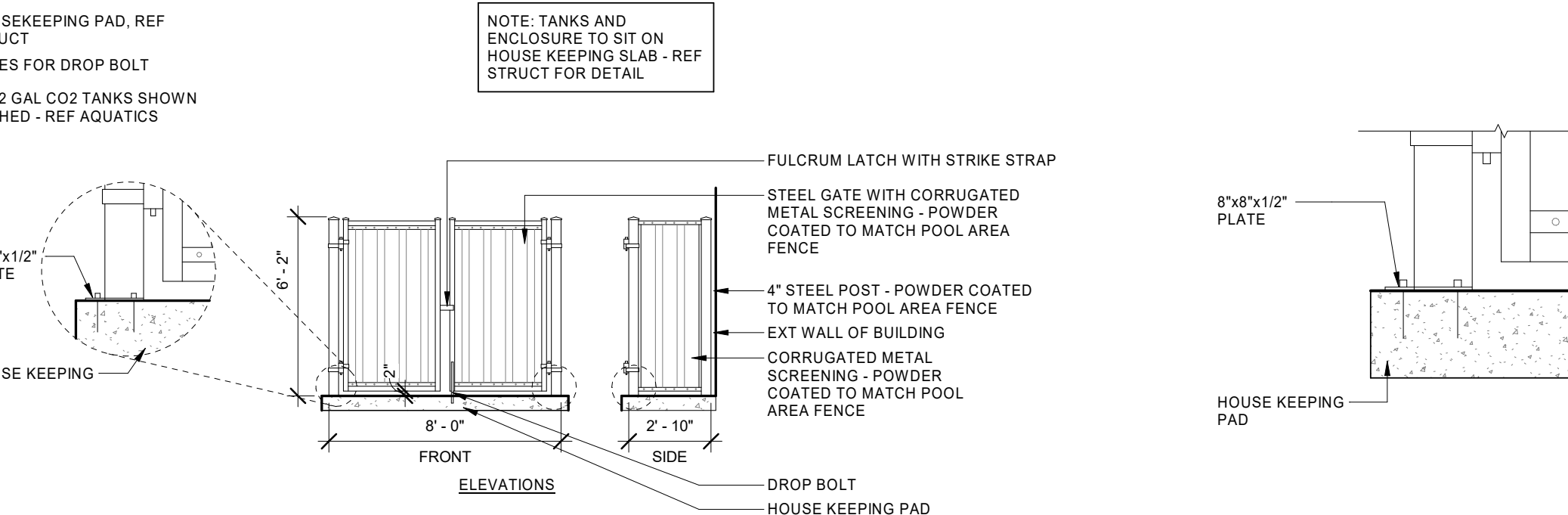
B2 TRASH ENCLOSURE CAP PLAN
1/4" = 1'-0"



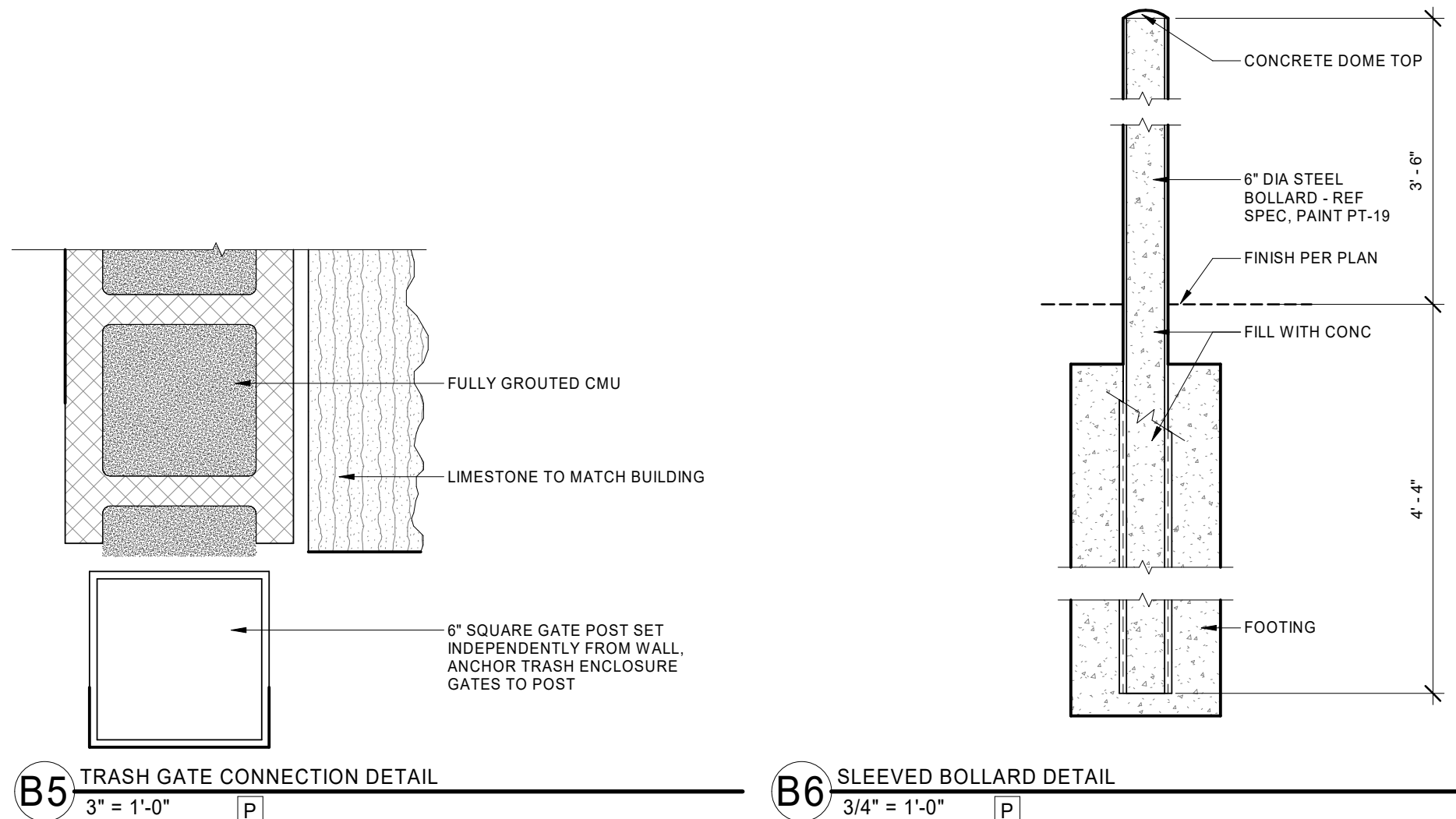
A3 PAVESIDEWALK TYPICAL - EXPANSION JOINT
3/4" = 1'-0"



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

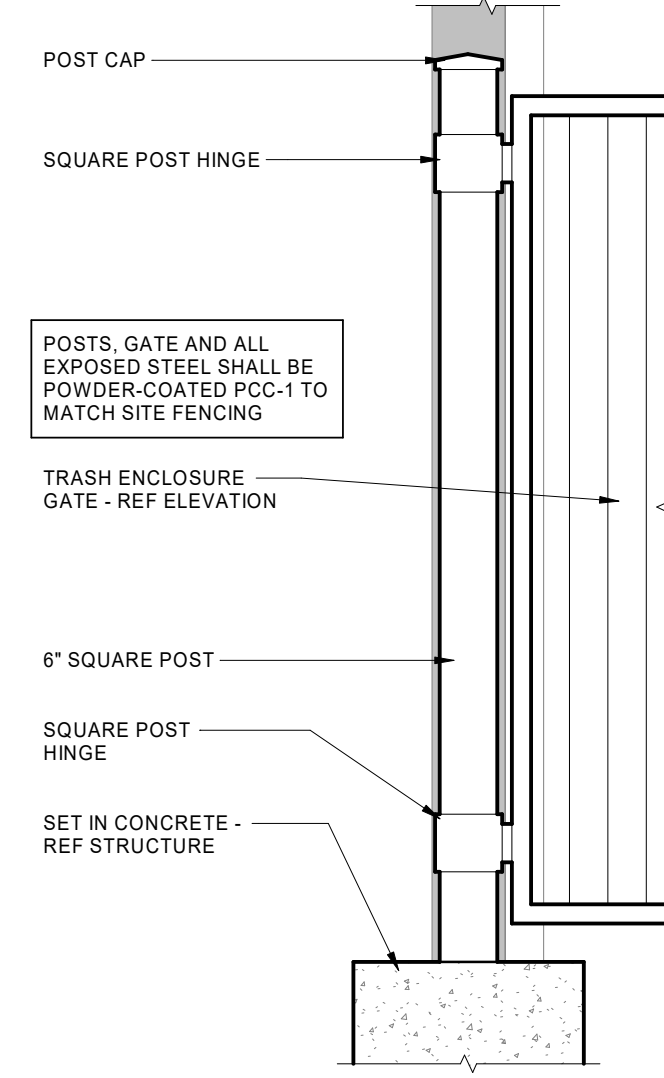


A4 CO2 TANK ENCLOSURE DETAIL
1/4" = 1'-0"



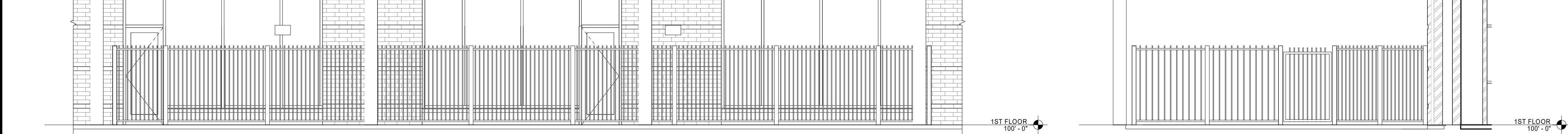
B5 TRASH GATE CONNECTION DETAIL
3" = 1'-0"

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



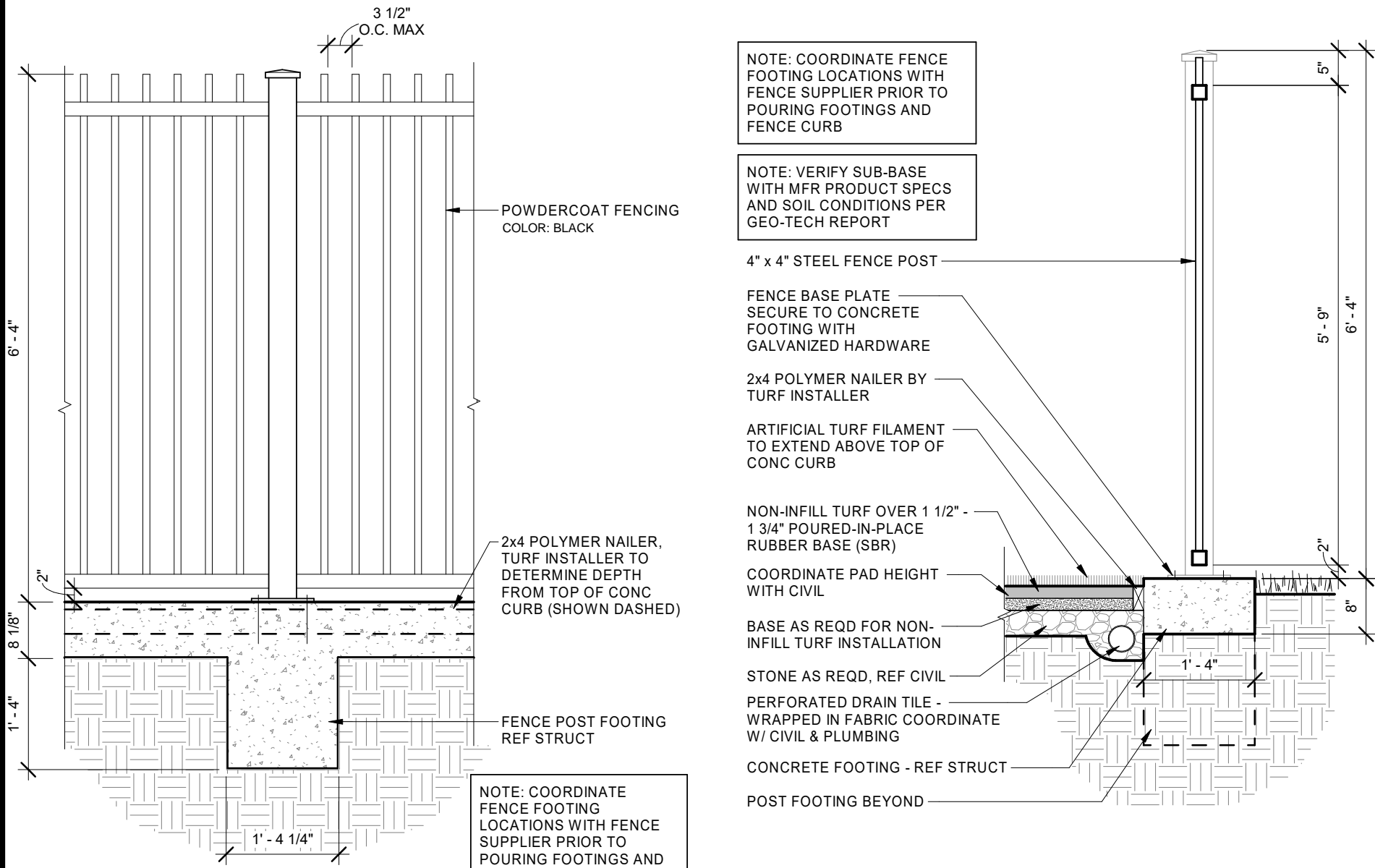
B4 TRASH GATE POST DETAIL
3/4" = 1'-0"

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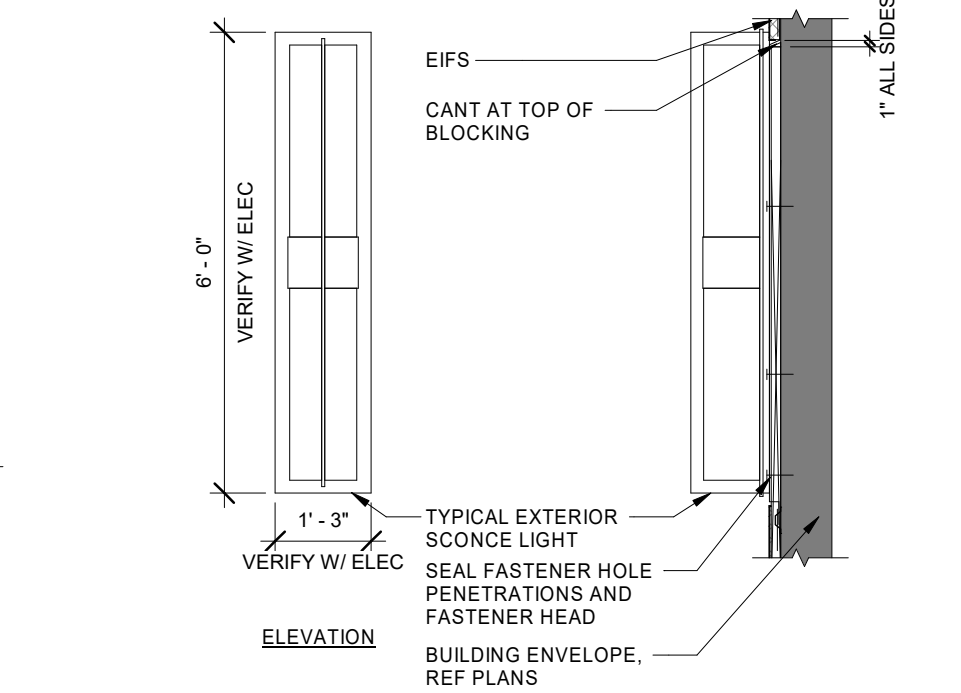
E1 SHADE CANOPY - WEST
1/4" = 1'-0"

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

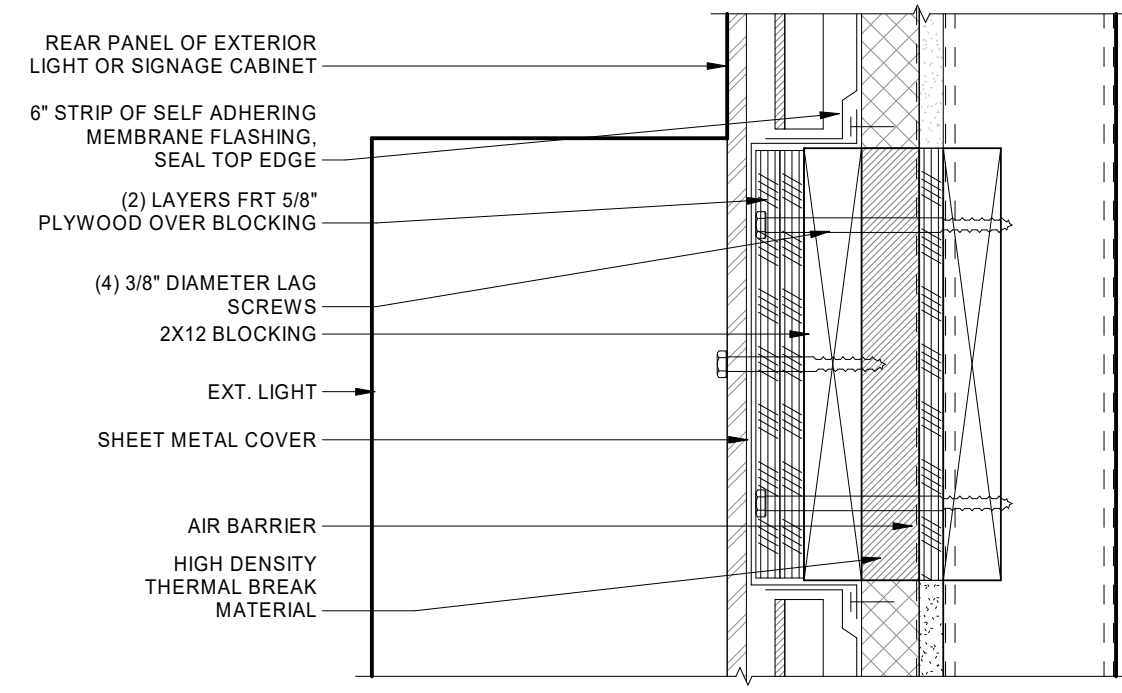


C1 ELEVATION AT PLAY AREA FENCE CURB
3/4" = 1'-0"

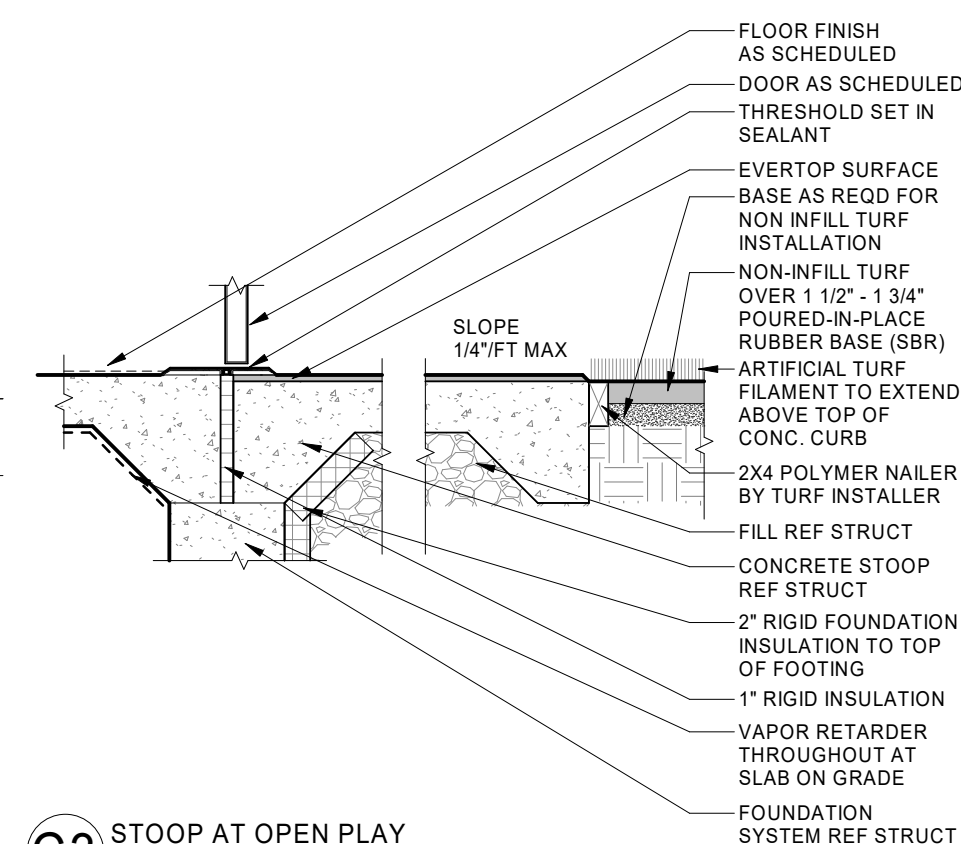
C2 SECTION AT TURF TO FENCE CURB
3/4" = 1'-0"



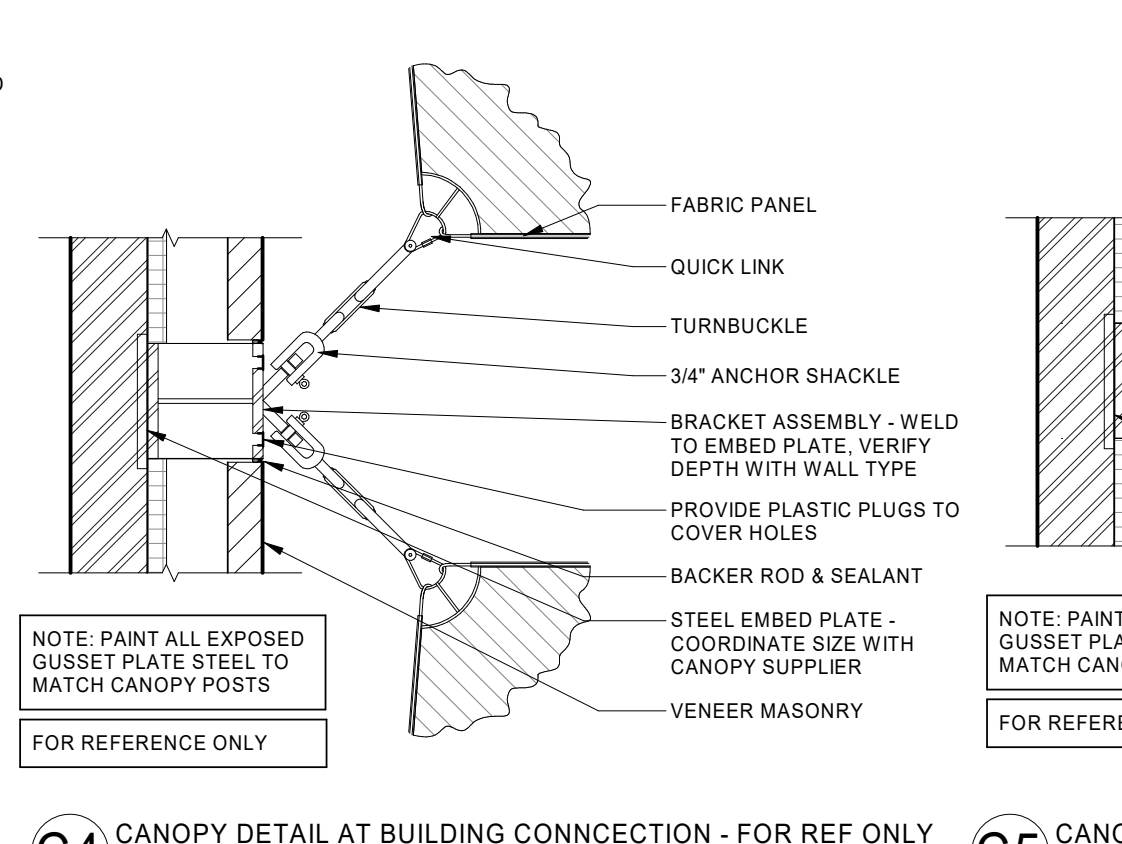
D3 EXTERIOR SCONCE MOUNTING SECTION
1/2" = 1'-0"



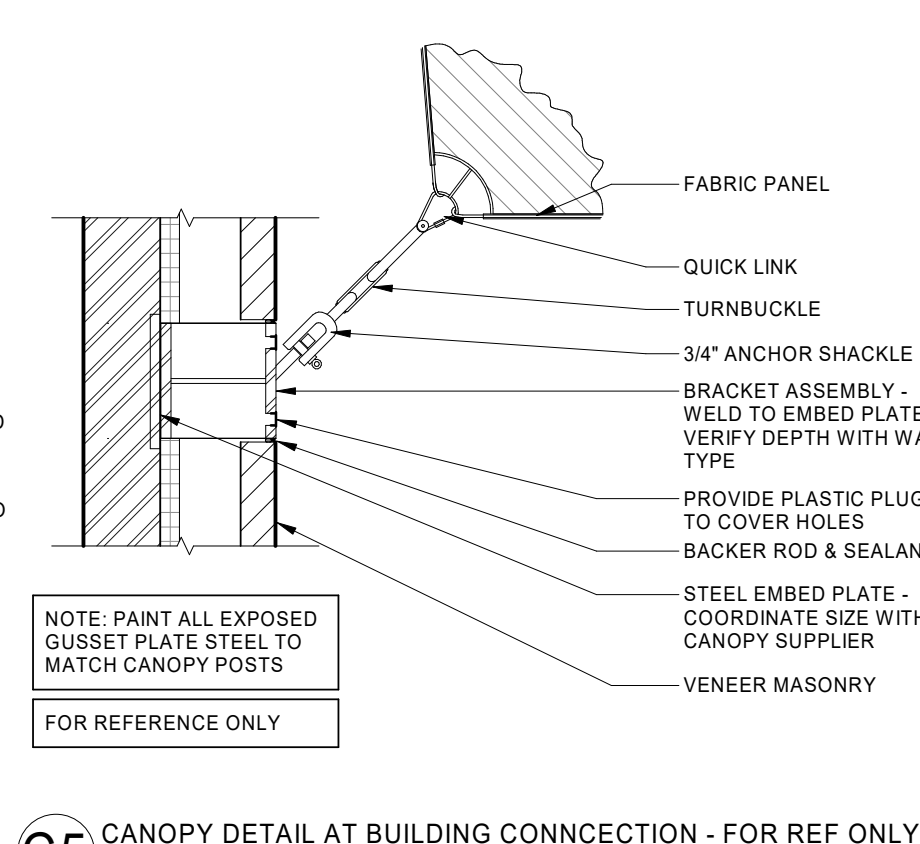
D4 TYP. LIGHT FIXTURE ATTACHMENT DETAIL
3" = 1'-0"



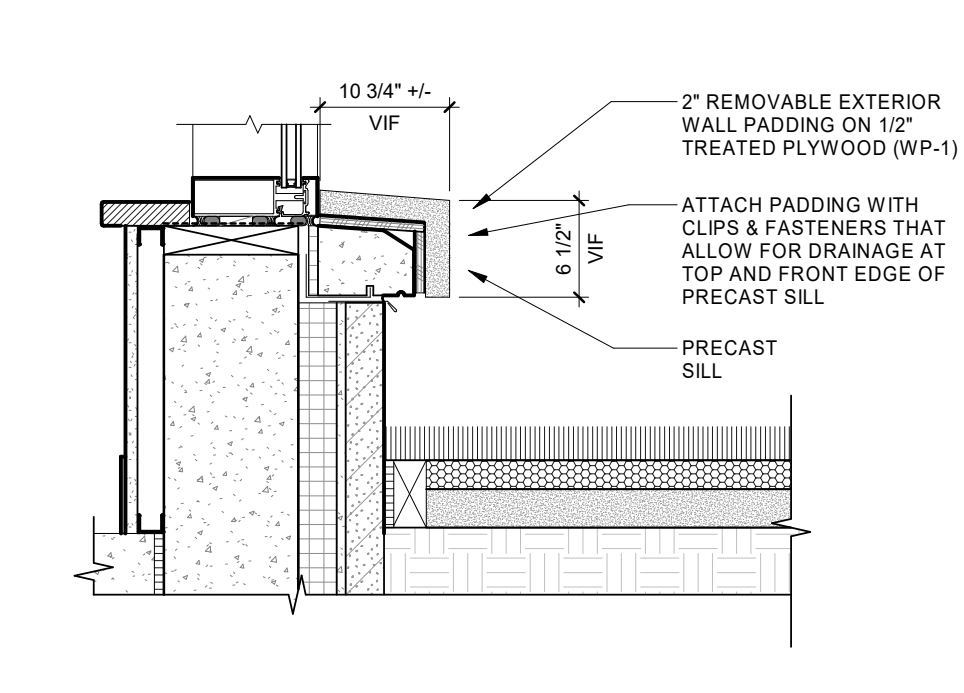
C3 STOOP AT OPEN PLAY
1" = 1'-0"



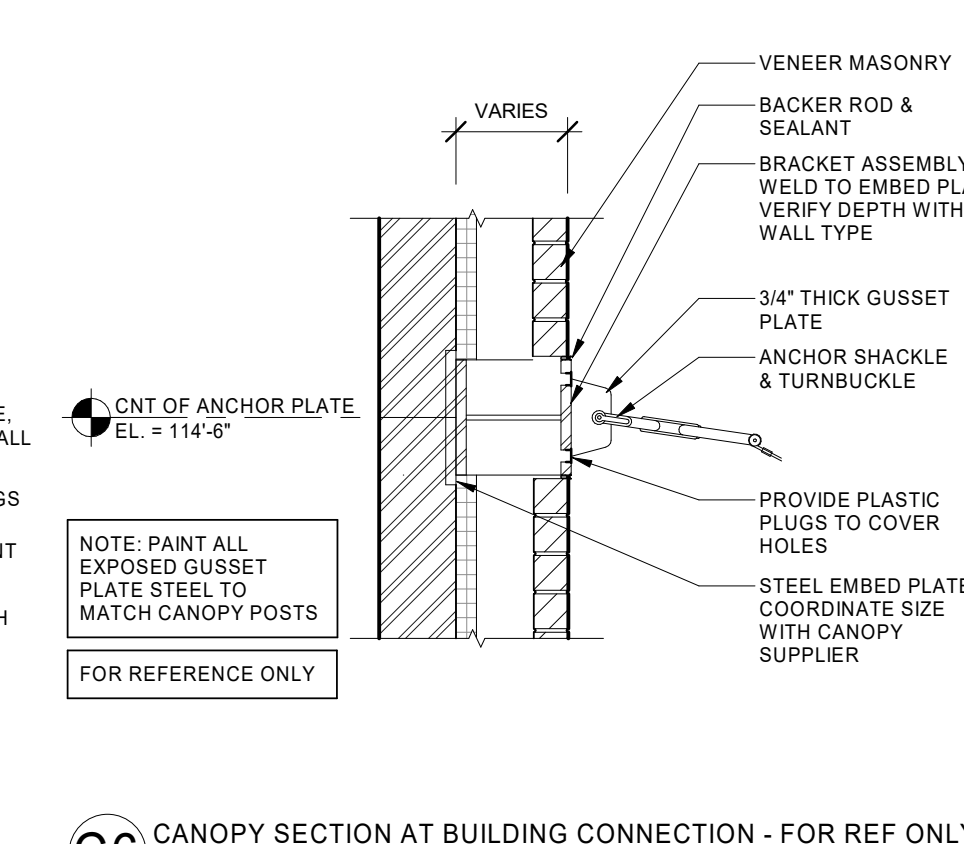
C4 CANOPY DETAIL AT BUILDING CONNECTION - FOR REF ONLY
3/4" = 1'-0"



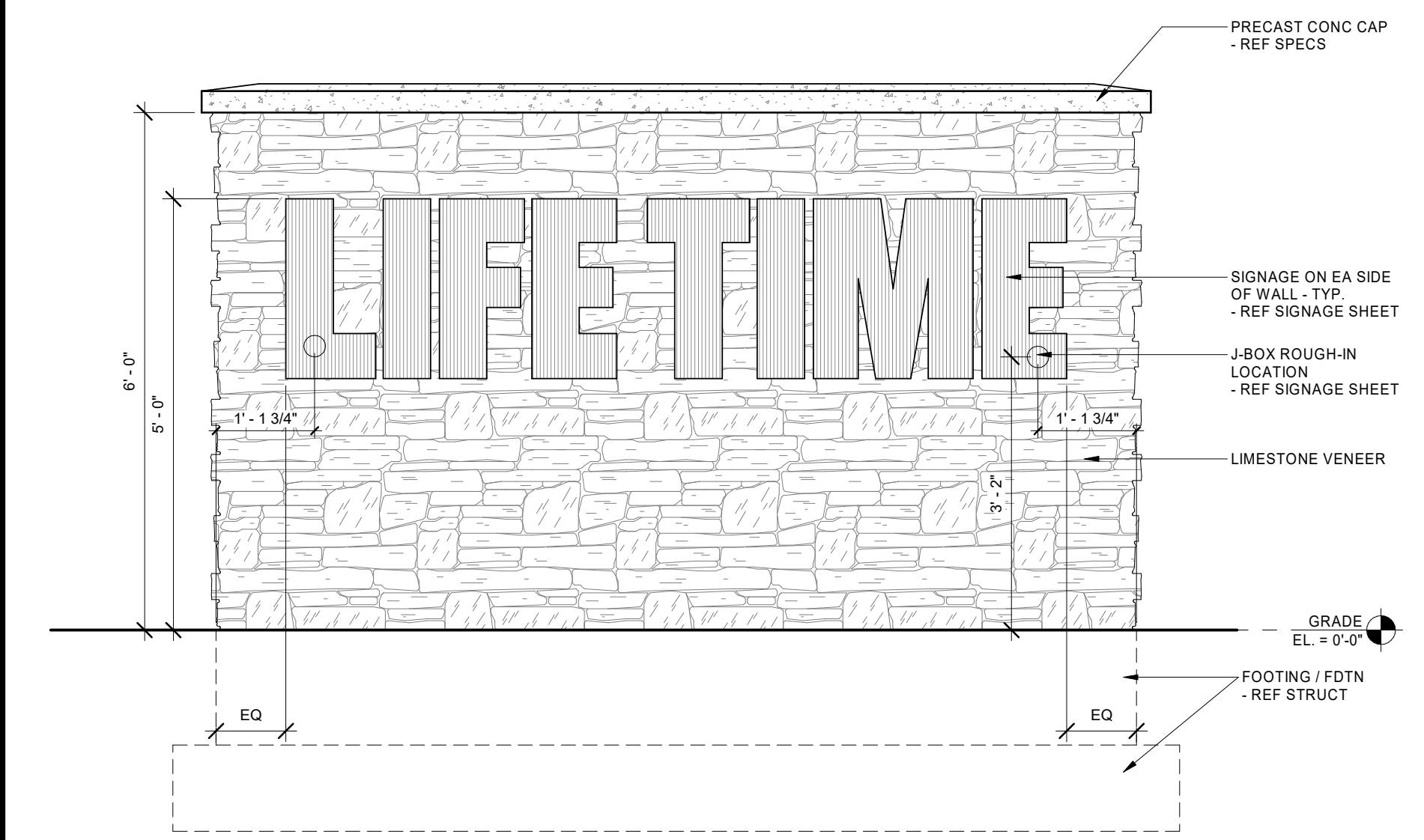
C5 CANOPY DETAIL AT BUILDING CONNECTION - FOR REF ONLY
3/4" = 1'-0"



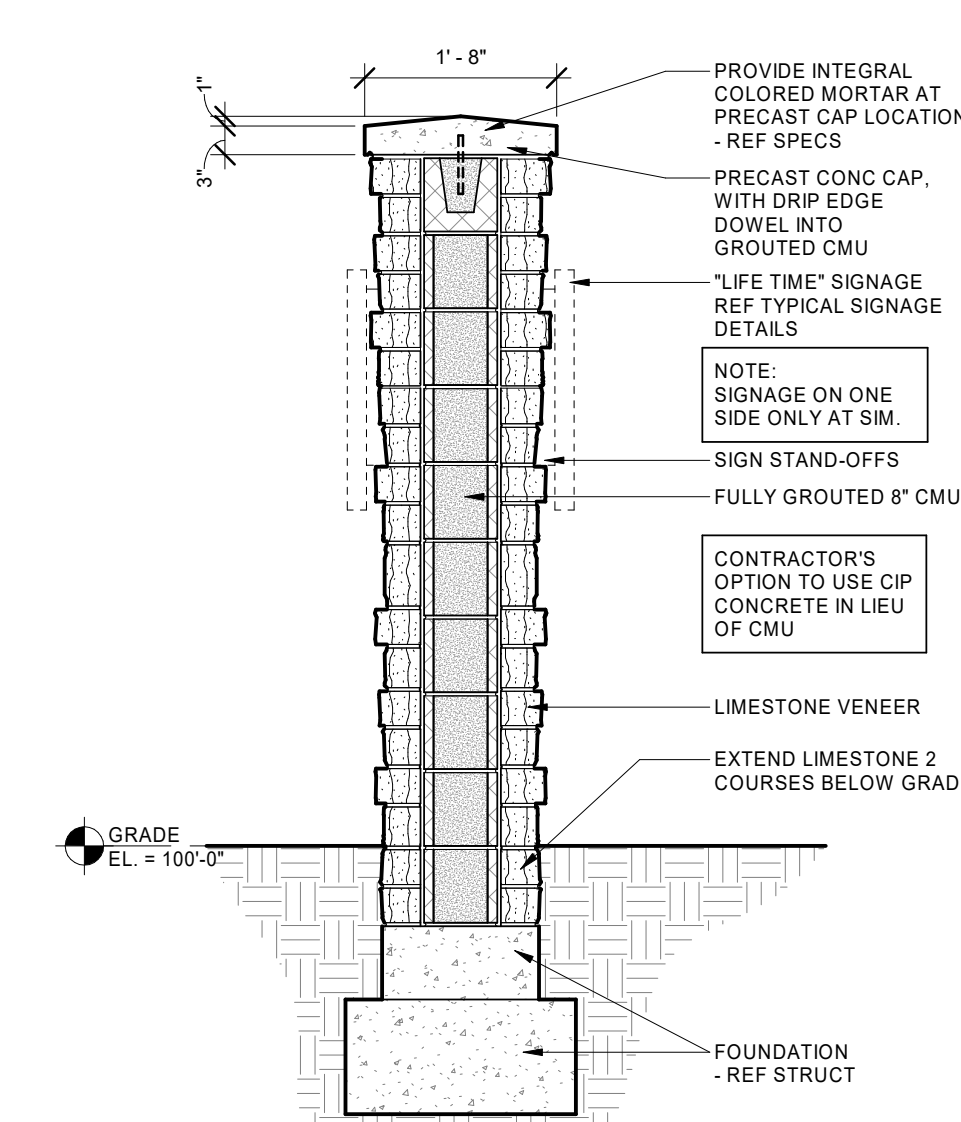
D6 WINDOW SILL AT OPEN PLAY
1 1/2" = 1'-0"



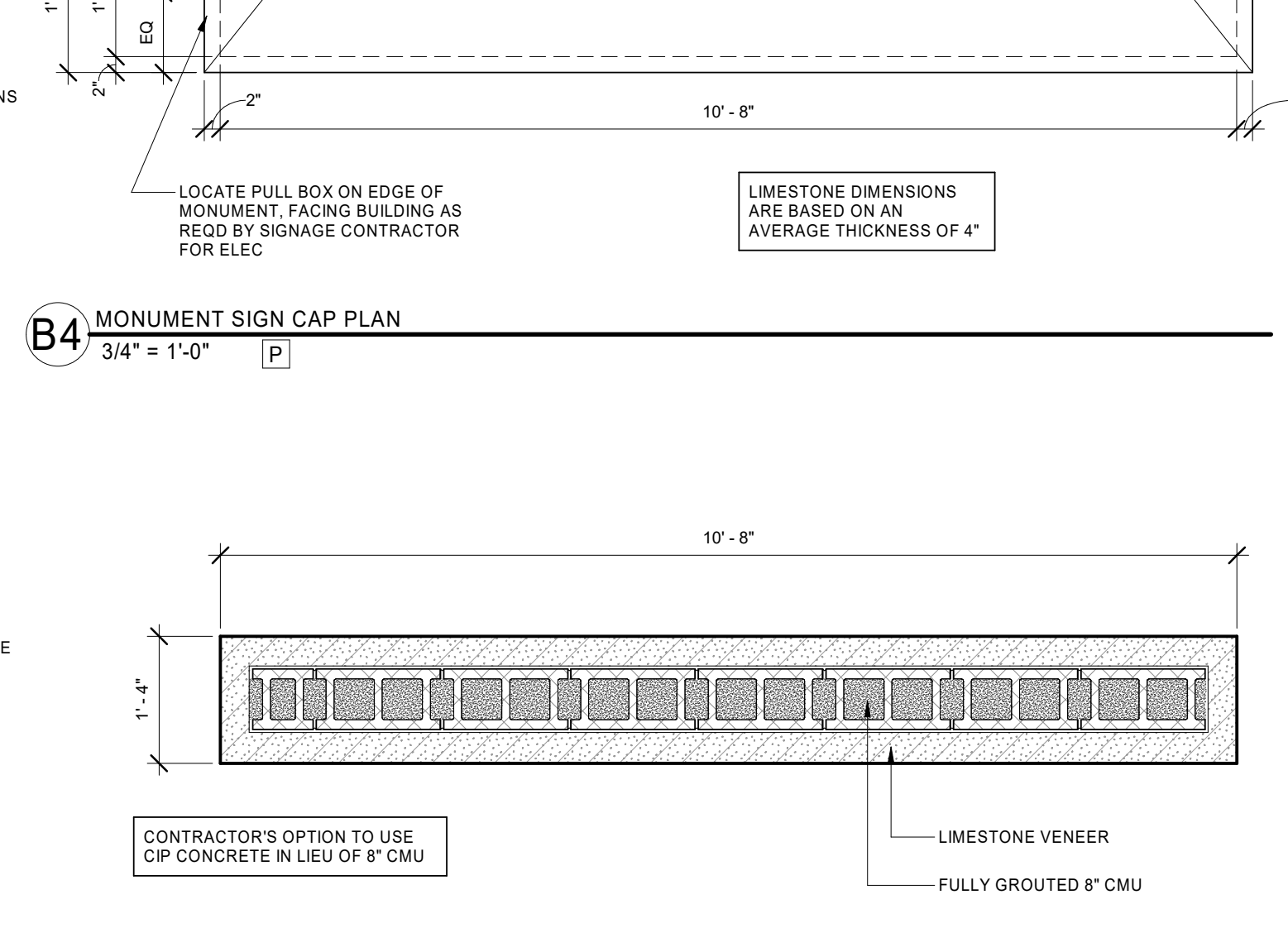
C6 CANOPY SECTION AT BUILDING CONNECTION - FOR REF ONLY
3/4" = 1'-0"



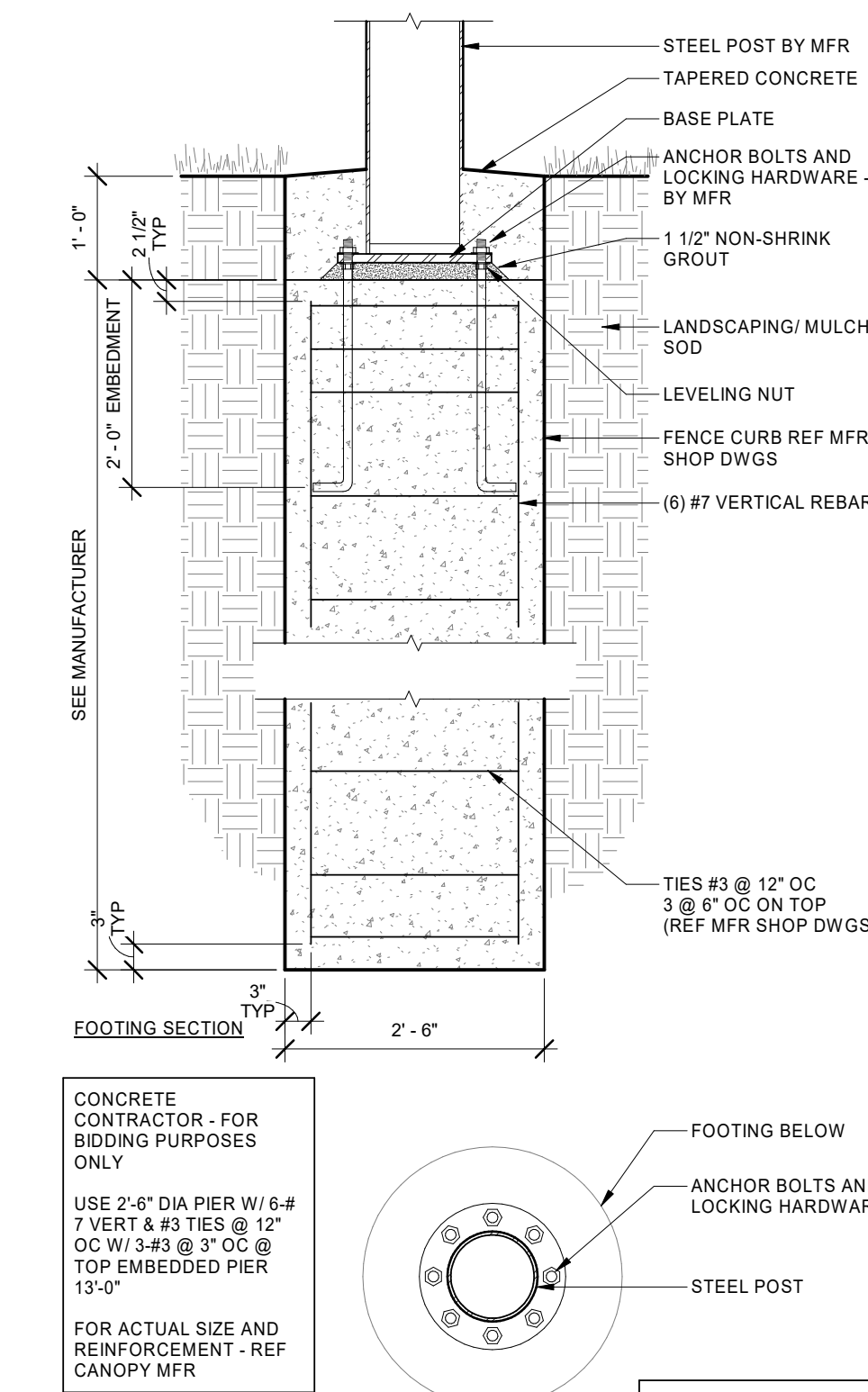
A1 MONUMENT SIGN ELEVATION
3/4" = 1'-0"



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

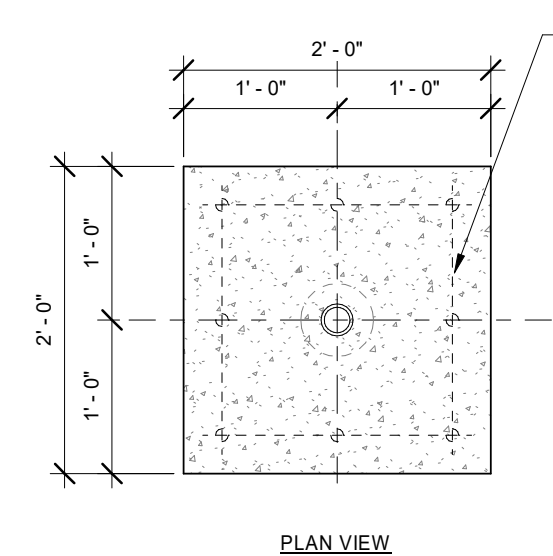


A4 MONUMENT SIGN PLAN SECTION
3/4" = 1'-0"

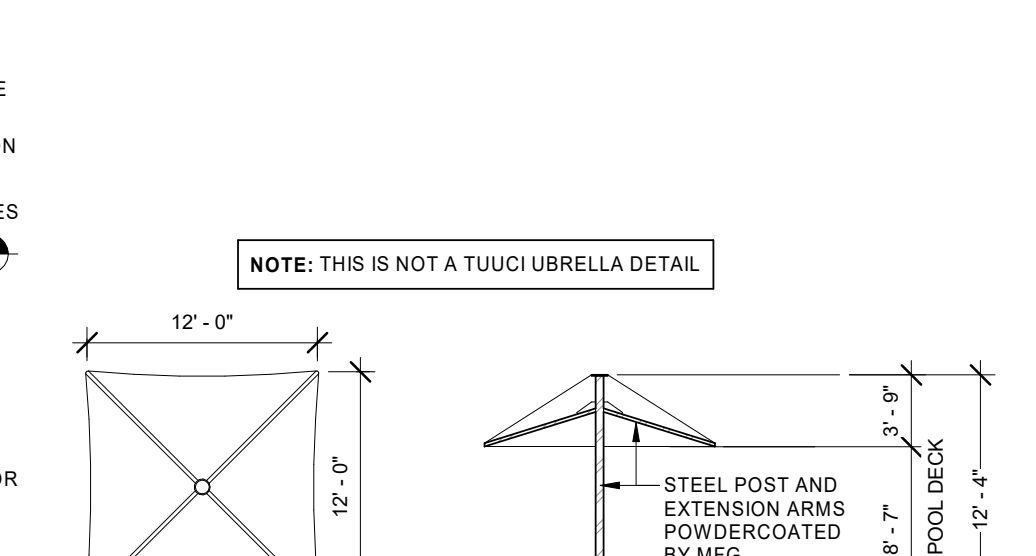
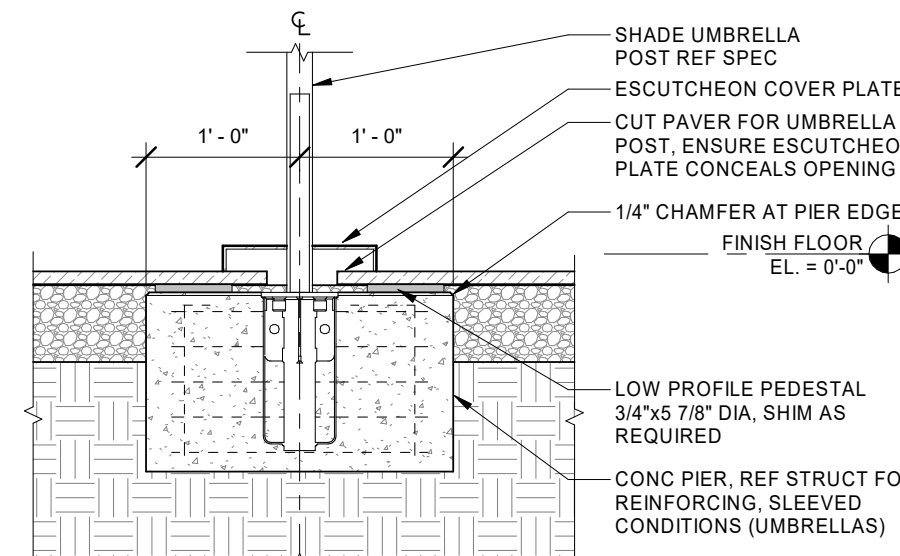


A6 AWNING SHADE STRUCTURE POST FOOTING
3/4" = 1'-0"

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STAINLESS STEEL REINFORCEMENT, TYP. REF. STRUCT. FOR SIZE AND SPACING OF CLOSED TIES. VERTICAL BARS, EMBED AND ADHESIVE AT ROOF SLAB ANCHORAGE.



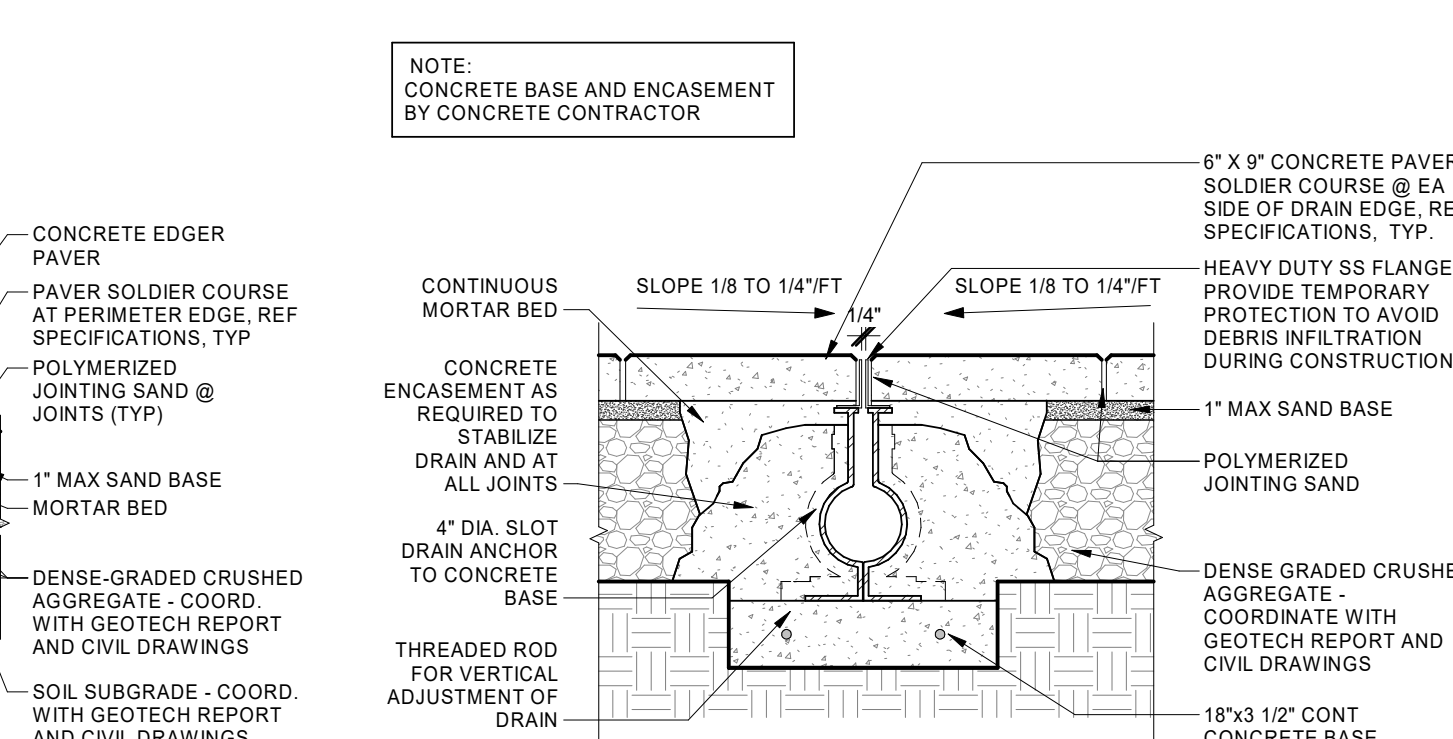
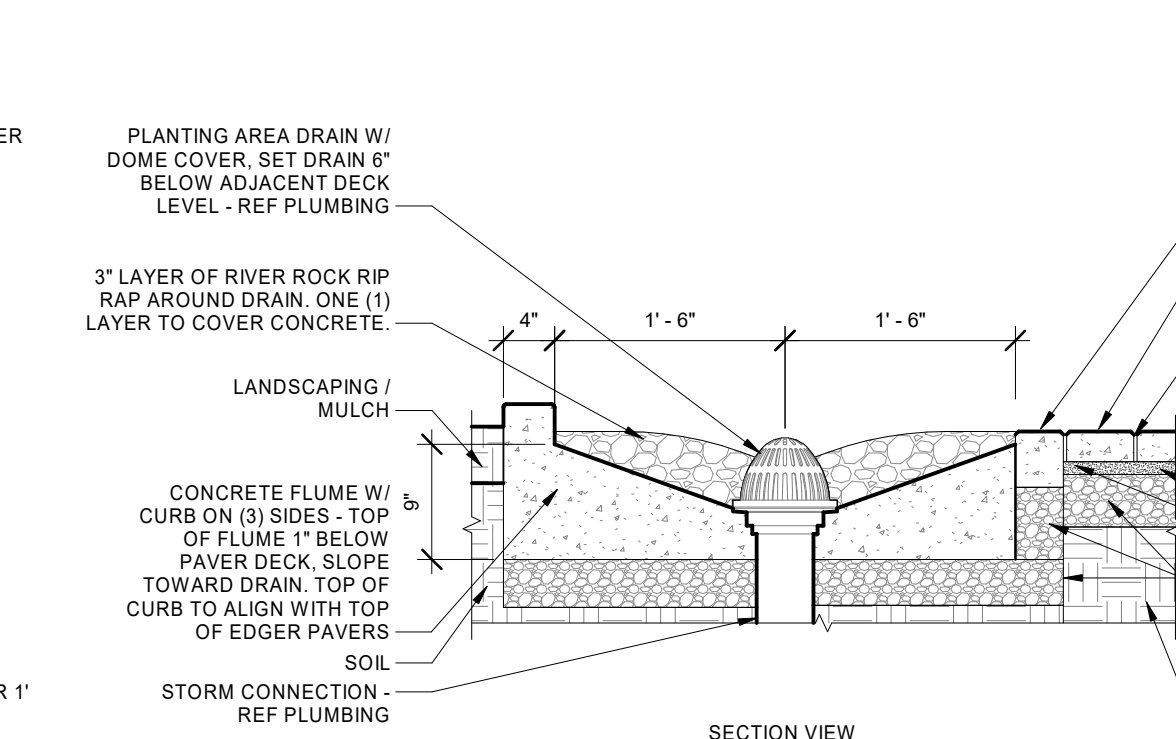
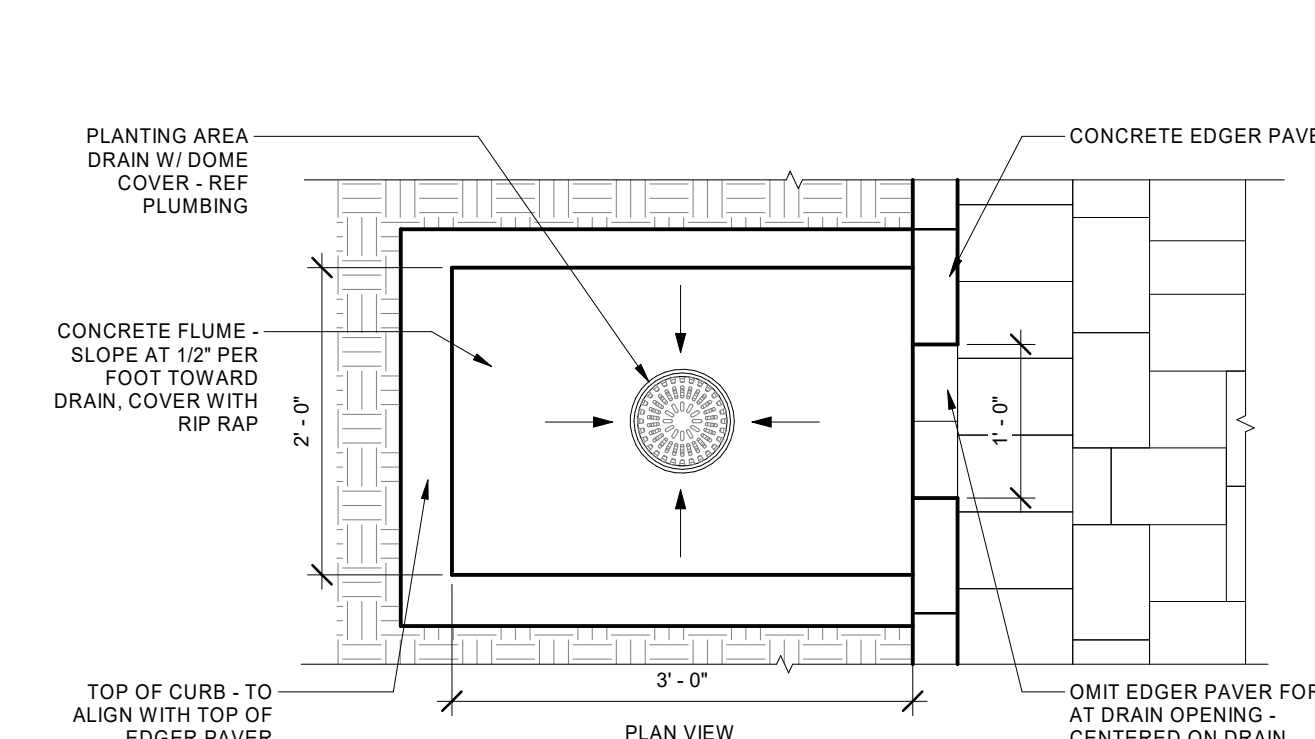
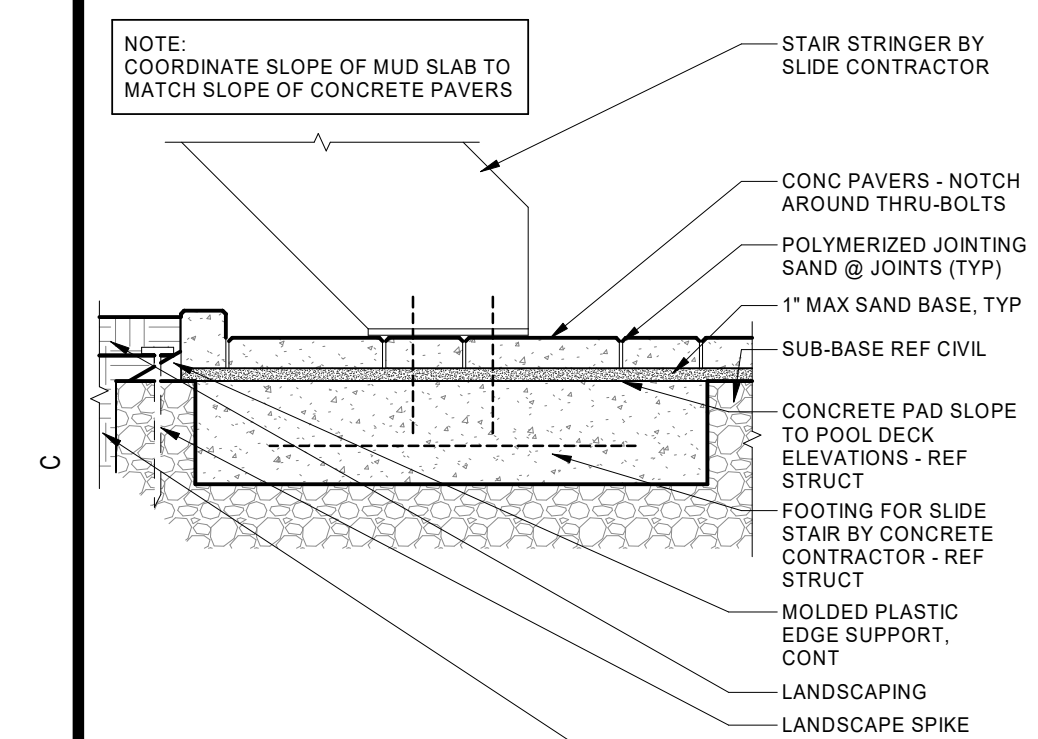
NOTES:
1. PIER AND REINFORCING DESIGN IS FOR TYPICAL INLAND WINDS: 120 MPH ULTIMATE / 93 MPH SERVICE
2. MEAN ROOF HEIGHT = 55'-0" MAX

NOTES:
1. ALL HARDWARE AND FOOTING CONNECTIONS PER MFR RECOMMENDATION.
2. PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION

NOTE: THIS IS NOT A TUUCI UMBRELLA DETAIL

D1 TUUCI UMBRELLA POST MOUNT AT POOL DECK
1" = 1'-0"

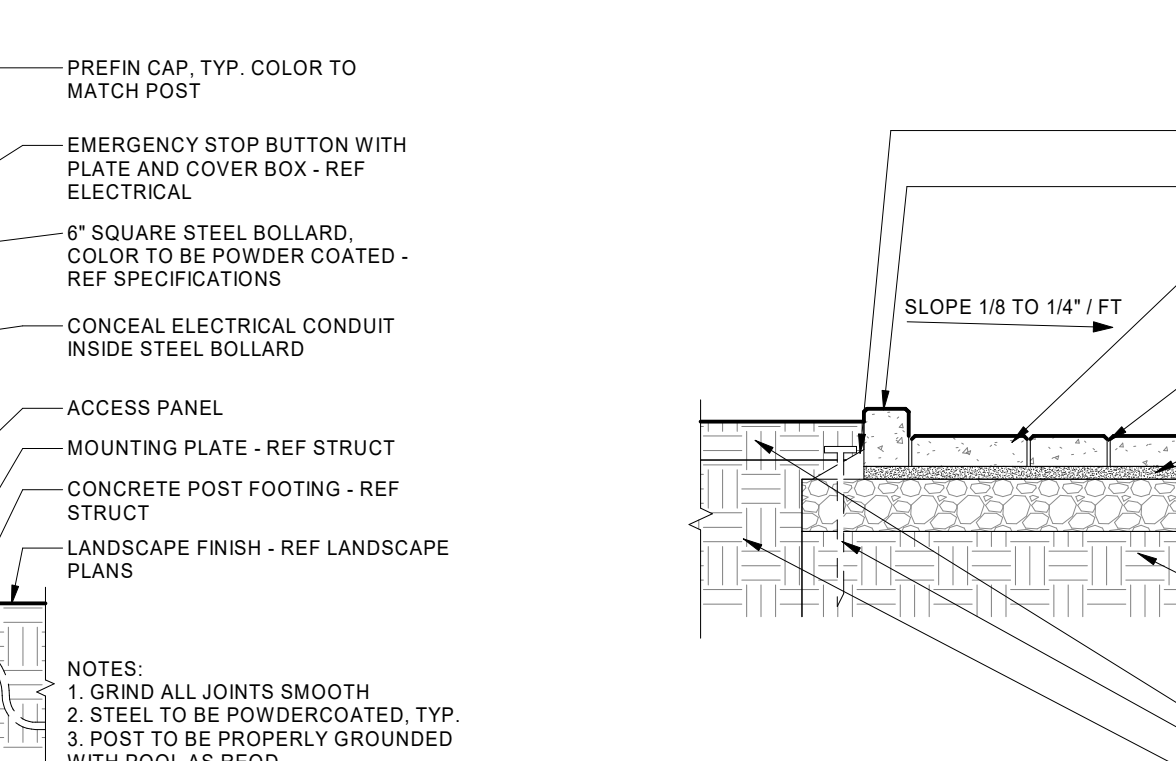
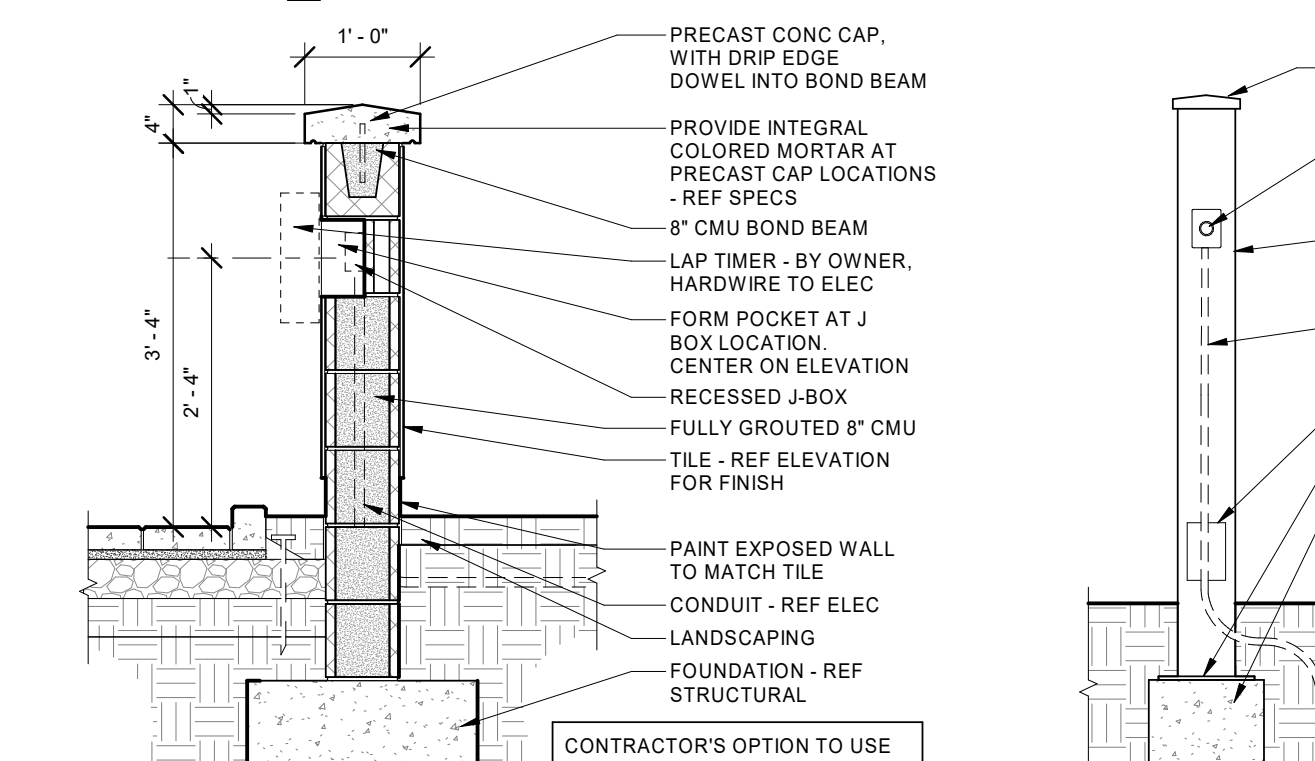
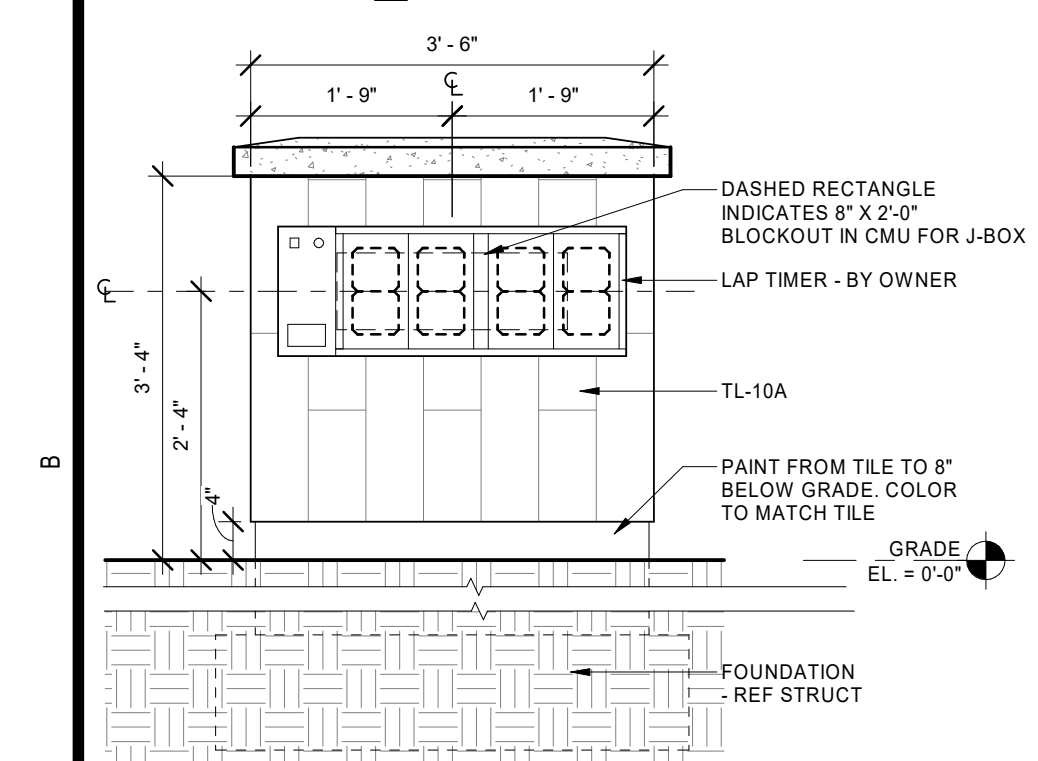
D3 SHADE TOP UMBRELLA DETAILS - PROTOTYPICAL
1/8" = 1'-0"



C1 WATERSLIDE STAIR LANDING AT PAVERS - PROTOTYPICAL
1" = 1'-0"

C2 PAVER EDGE AT POOL DECK DRAINAGE
1" = 1'-0"

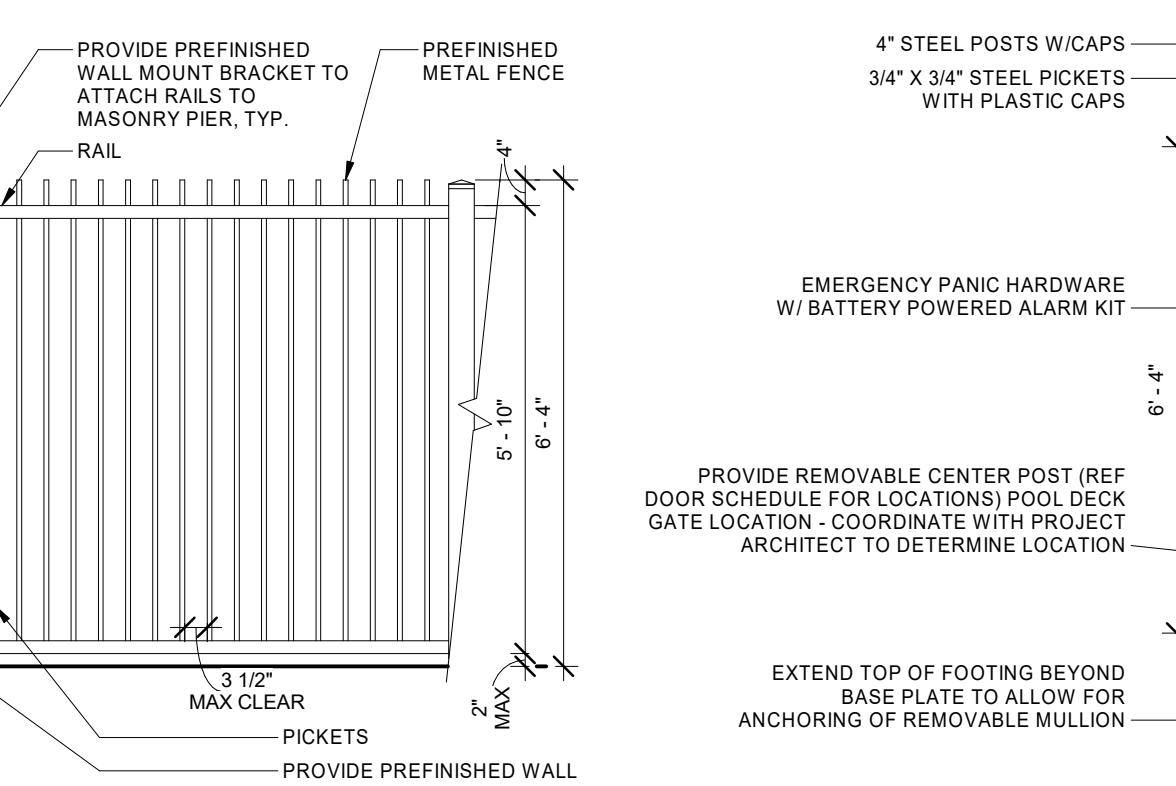
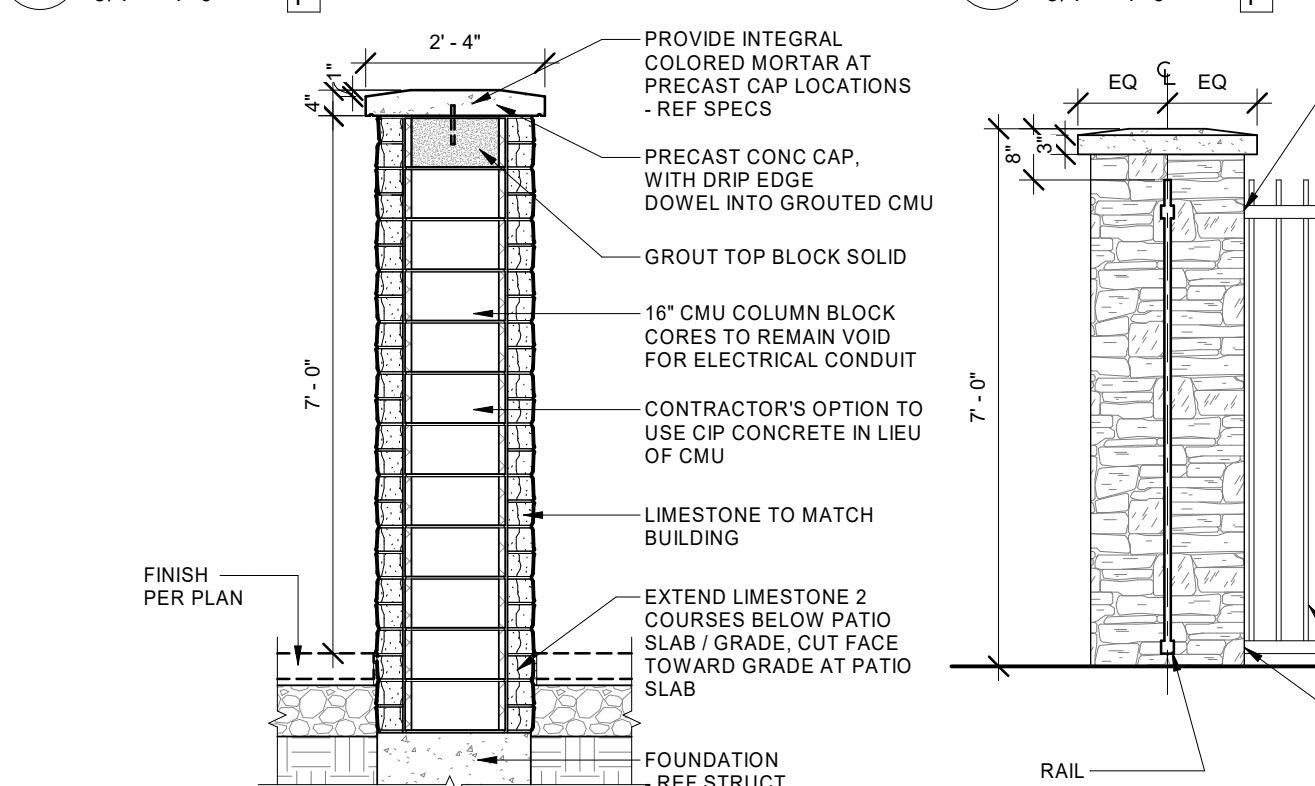
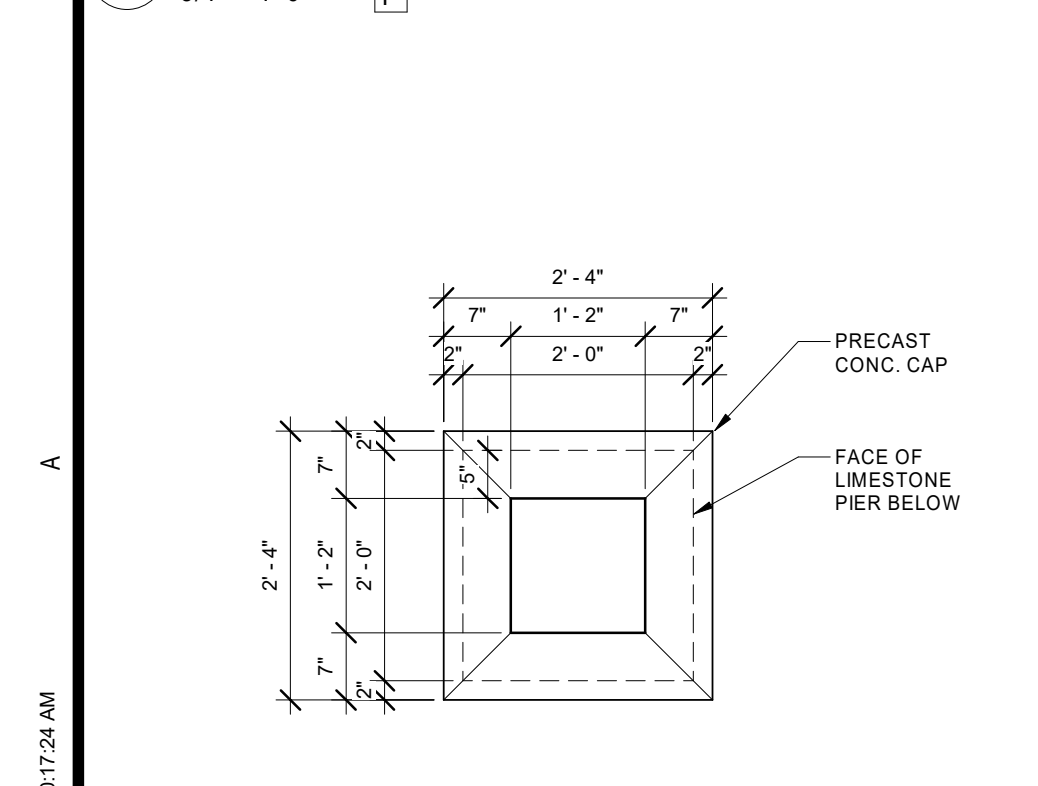
C3 SECTION AT DECK DRAIN / PAVER - PROTOTYPICAL
1 1/2" = 1'-0"



B1 LAP TIMER PIER - ELEVATION
3/4" = 1'-0"

B2 LAP TIMER PIER - SECTION
3/4" = 1'-0"

B3 EMERGENCY STOP POST AT WATERSLIDE - PROTOTYPICAL
3/4" = 1'-0"



A1 PRECAST FENCE CAP PLAN
3/4" = 1'-0"

A2 SECTION AT LIMESTONE PIER
1/2" = 1'-0"

A3 ELEVATION AT FENCE
1/2" = 1'-0"

1

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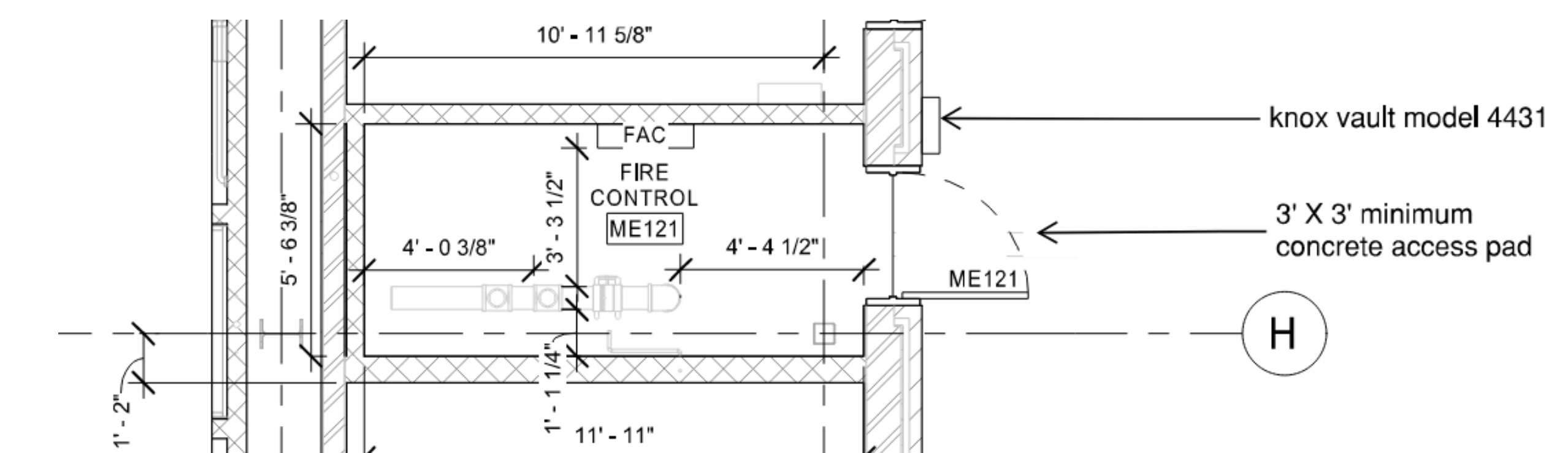
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E1 FIRE CONTROL ROOM DETAILS

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

KEY PLAN

ISSUE DATE:
SHEET NO.

AS501

PUBLICATIONS

NOT FOR CONSTRUCTION

SITE DETAILS - OUTDOOR POOL DECK

A6 SECTION AT POOL PRIVACY FENCE
3/4" = 1'-0"

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4 WEST EXTERIOR ELEVATION
3/32" = 1'-0"



3 SOUTH EXTERIOR ELEVATION
3/32" = 1'-0"



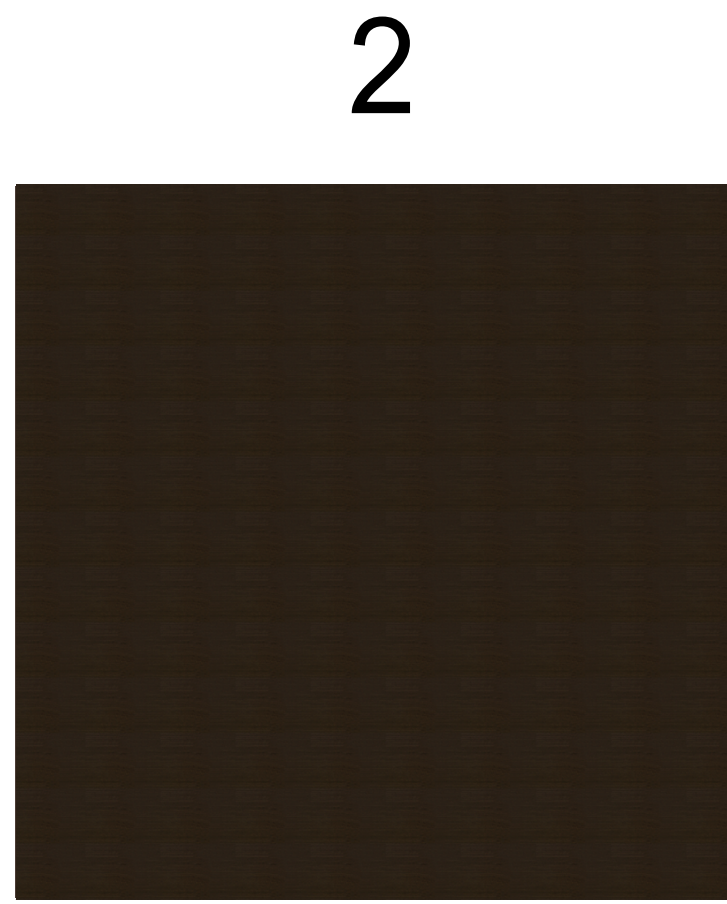
2 EAST EXTERIOR ELEVATION
3/32" = 1'-0"



1 NORTH EXTERIOR ELEVATION
3/32" = 1'-0"



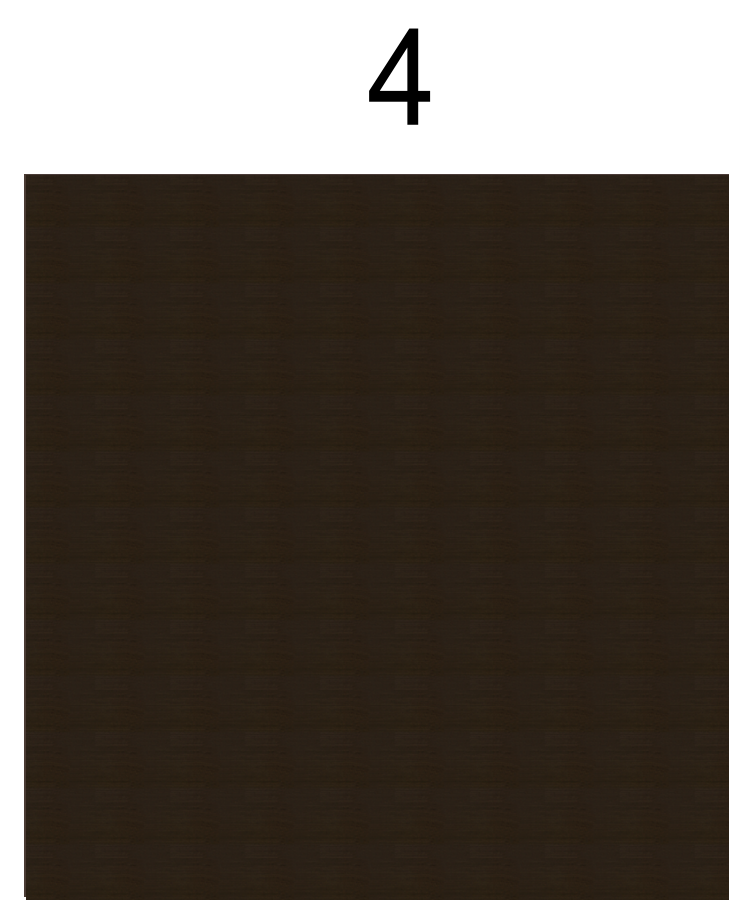
EIFS
MANUFACTURER: DRYVIT
COLOR: BUCKSKIN
TEXTURE: SANDPEBBLE



EIFS
MANUFACTURER: DRYVIT
COLOR: CUSTOM TO MATCH
METAL PANEL AND
ALUMINUM FRAMES
TEXTURE: FINESSE



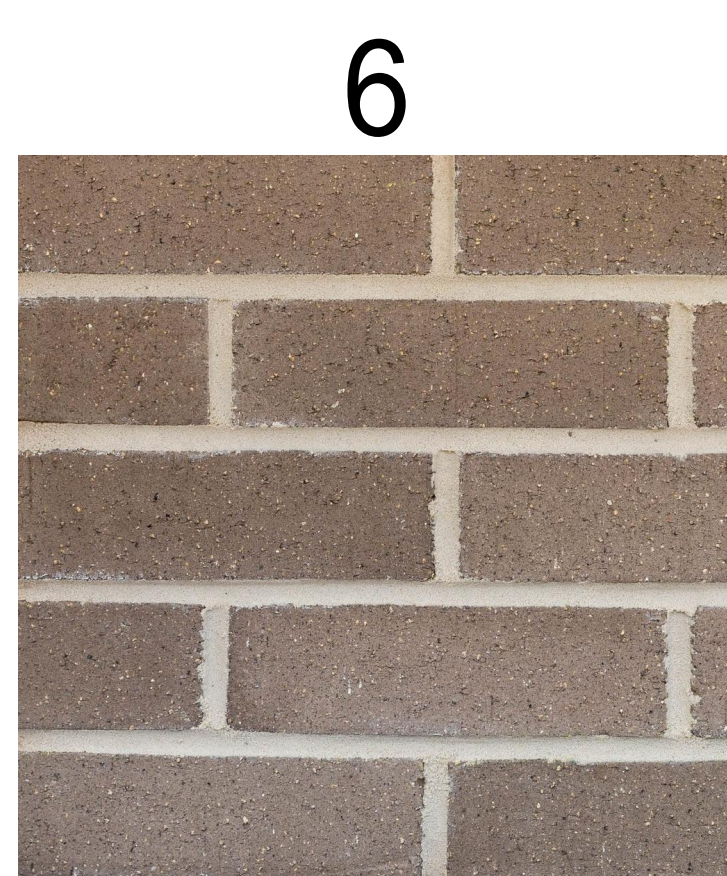
GLAZING
MANUFACTURER: VITRO
ARCHITECTURAL GLASS
COLOR: SOLARBAN 70XL SOLAR
CONTROL LOW E-GLASS



METAL PANEL / WINDOW
FRAMES / METAL COPING
MANUFACTURER: VARRIES
COLOR: DARK BRONZE



FIELD BRICK
MANUFACTURER: TAYLOR
CLAY PRODUCTS INC.
COLOR: GRAY
TEXTURE: WIRECUT



ACCENT BRICK
MANUFACTURER: TAYLOR
CLAY PRODUCTS INC.
COLOR: DRIFTWOOD
TEXTURE: WIRECUT



LIMESTONE
MANUFACTURER: MEZGER
ENTERPRISES INC.
COLOR: LEUDERS TEXAS
LIMESTONE



FAUX BOXWOOD GREEN WALL
MANUFACTURER:
APPROVED SUPPLIER

PROJECT INFORMATION

Chula Vista, CA
INSERT ADDRESS - IN PROJECT
PROPERTIES

DRAWING LOG

REV	DATE	DESCRIPTION
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NAME REG. NO.

EXP DATE:

STAMP

ISSUE DATE: 06/30/22

SHEET NO.

A30

PUBLICATIONS

EXTERIOR COLORED ELEVATIONS

E
D
C
B
A
3/18/2022 10:16:44 AM



LIFE TIME
HEALTHY WAY OF LIFE
2802 CORPORATE PLACE CHANHASSEN, MN 55317

CONSULTANT

LIFE TIME
PROPERTY
DEVELOPMENT

PROJECT INFORMATION

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EXTERIOR RENDERINGS - NW NODE (PLAZA)

KEY PLAN

ISSUE DATE:

SHEET NO.

A103

PUBLICATIONS

3/19/2022 10:16:44 AM
A
B
C
D
E



LIFE TIME
HEALTHY WAY OF LIFE
2802 CORPORATE PLACE CHANHASSEN, MN 55317

CONSULTANT
LIFE TIME
PROPERTY
DEVELOPMENT

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

DRAWING LOG		
REV	DATE	DESCRIPTION
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A104
PUBLICATIONS

EXTERIOR RENDERINGS - LA MEDIA

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LIFE TIME
HEALTHY WAY OF LIFE
2902 CORPORATE PLACE CHANHASSEN, MN 55317

CONSULTANT

LIFE TIME
PROPERTY
DEVELOPMENT

PROJECT INFORMATION

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EXP DATE:

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EXTERIOR RENDERINGS - EB MAIN & AVENIDA CAPRISE

KEY PLAN

ISSUE DATE:

SHEET NO.

A105

PUBLICATIONS

PROJECT INFORMATION

LIFE TIME
CHULA VISTA
#DR22-0001

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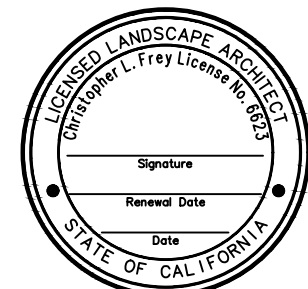
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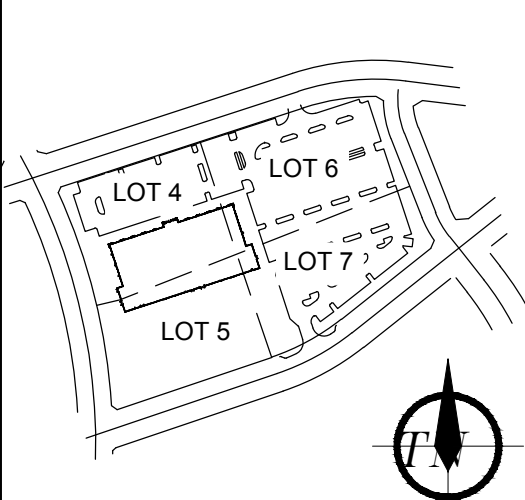
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EXP DATE: 08/31/2022

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KEY PLAN



ISSUE DATE: 6/3/2022

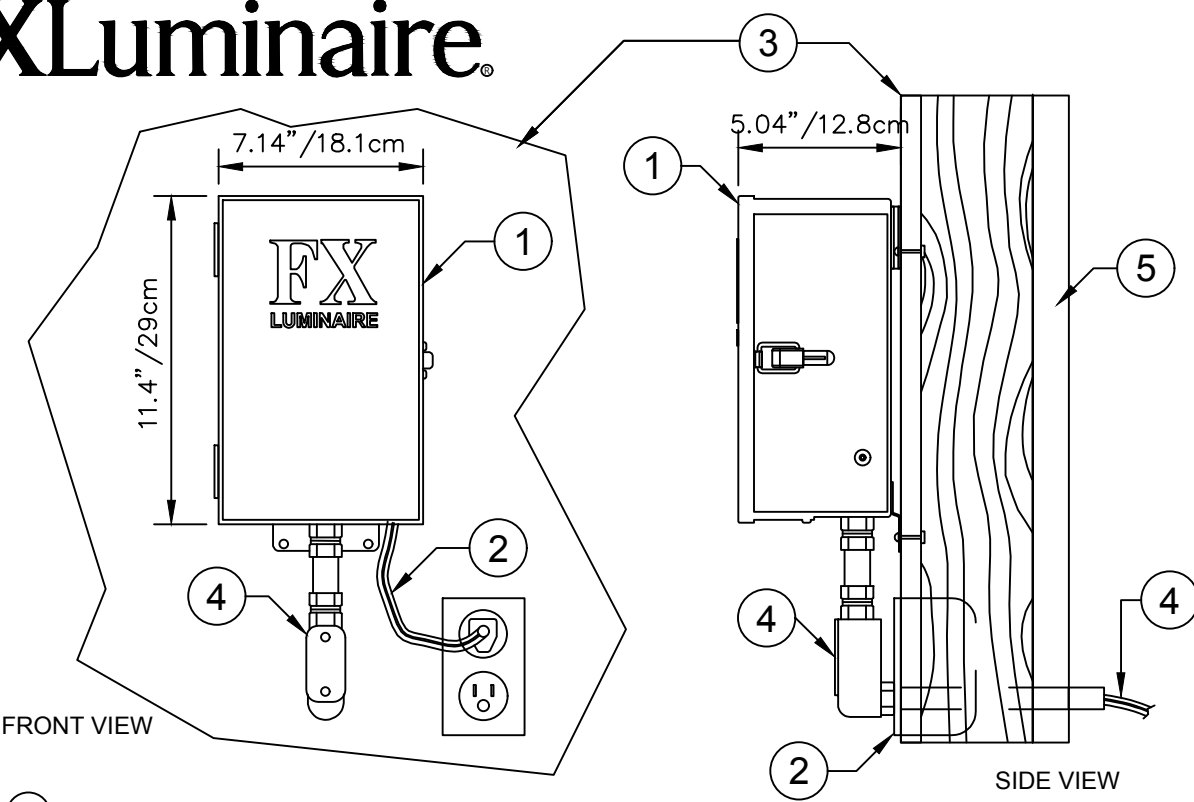
SHEET NO.

L13

SHEET 14 OF 14

PUBLICATIONS
ISSUED FOR COORDINATION

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

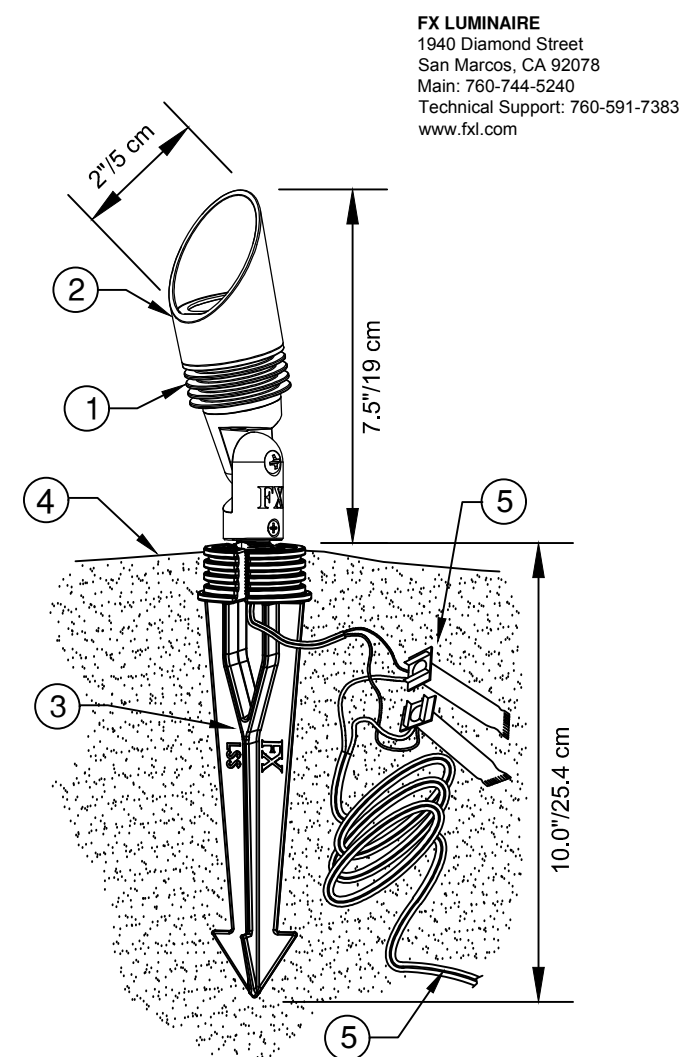
FXLuminaire

DETAIL LEGEND

1. FX Luminaire F8 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
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	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
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	LIGHTING POWER SOURCE REFERENCE BUILDING ELECTRIC PLANS	1
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	#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



SPECIFICATIONS:

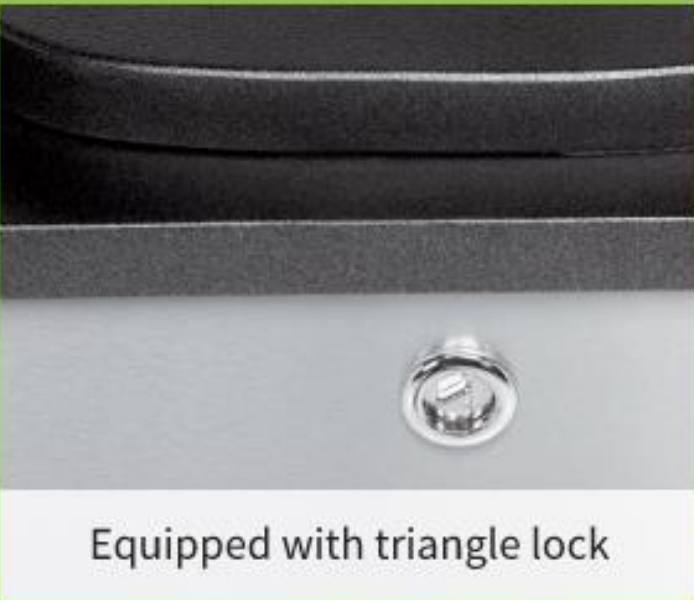
- Capacity: 3 x 26 = 78 Gal
- Dimensions: 17.70”w x 45.70”l x 30.30”h
- Weight: 117 lbs
- Setting: Indoor
- Material: Stainless steel body
Powder coated black lid
- Sorting labels: Waste, Paper, and Cans & Bottles



Sorting labels included



Gas Assisted Lid



Equipped with triangle lock

Best selection, lowest prices.

Call us for Quantity Discounts and Custom Designs!

800.664.5340 www.recycleaway.com



ZONE Medium Outdoor Sports Light

PERFORMANCE

DELIVERED LUMENS*									
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
24L	CT	70	26393	150	B3-U0-G2	26393	150	B3-U0-G2	176
	FT		25964	148	B3-U0-G4	25964	148	B3-U0-G4	
30L	CT		32960	142	B3-U0-G3	32960	142	B3-U0-G3	232
	FT		32424	140	B3-U0-G4	32424	140	B3-U0-G4	
36L	CT		38916	135	B3-U0-G3	38916	135	B3-U0-G3	288
	FT70		38283	133	B4-U0-G5	38283	133	B4-U0-G5	
42L	CT		44859	127	B4-U0-G3	44859	127	B4-U0-G3	354
	FT		44130	125	B4-U0-G5	44130	125	B4-U0-G5	
48L	CT		49615	124	B4-U0-G3	49615	124	B4-U0-G3	401
	FT		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	1.93	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

RECOMMENDED LUMEN MAINTENANCE*						
Ambient Temp	0 hrs. *	25K hrs. *	50K hrs. *	75K hrs. *	100K hrs. *	
0 - 25 °C	100%	95%	89%	84%	79%	
40 °C	100%	94%	87%	80%	74%	

- 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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SPEC.1063.A.0620



Mirada Medium (MRM)

Outdoor LED Area Light

Bluetooth LE, DALI, 0-10V, IP66, IK08



OVERVIEW	
Lumen Package	7,000 - 48,000
Wattage Range	48 - 401
Efficacy Range (LPW)	117 - 160
Weight (lbs/kg)	30 (13.6)

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, 5V, 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 (IH) options available for improved backlight control without sacrificing street side performance. See page 3 for more details.

QUICK LINKS

Ordering Guide Performance Photometrics Dimensions

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and under-temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (0% - 100%) standard.
- Standard Universal Voltage (120-277 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 sensor (see page 9 for more details). 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 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.

Listings

- 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
- >35 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/DLC to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)
- IK08 rated luminaire per IEC 60626
- mechanical impact code

Specifications and dimensions subject to change without notice.



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

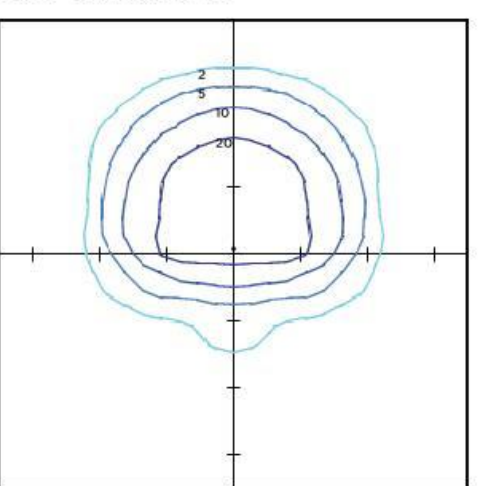
LUMINAIRE DATA

Type 3 Distribution	
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

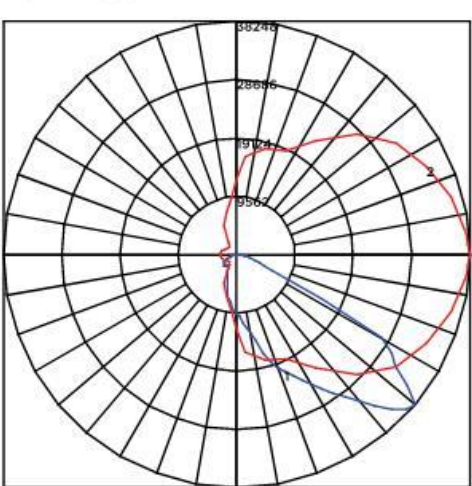
Zone	Lumens	%Luminaire
Low (0-30)*	9897	21%
Medium (30-60)*	32201	67%
High (60-80)*	5593	12%
Very High (80-90)*	520	1%
Uplight (90-180)*	0	0%
Total Flux	48211	100%

ISO FOOTCANDLE



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

POLAR CURVE



ZNM-48L-FT-40

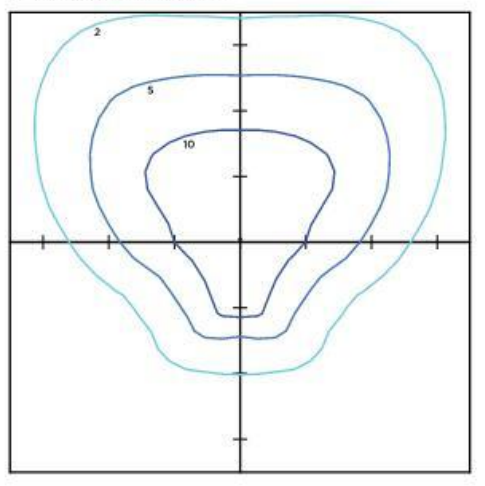
LUMINAIRE DATA

Type FT Distribution	
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

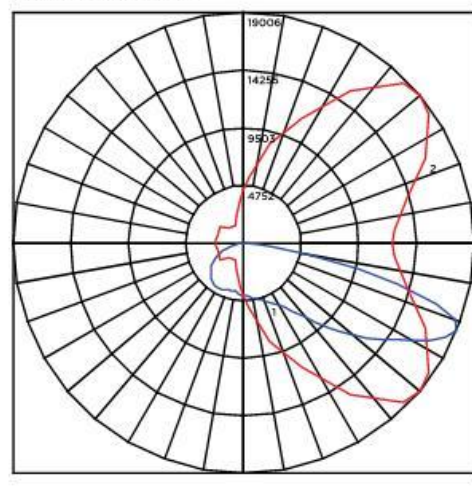
Zone	Lumens	%Luminaire
Low (0-30)*	6199	13%
Medium (30-60)*	20250	42%
High (60-80)*	20684	43%
Very High (80-90)*	922	2%
Uplight (90-180)*	0	0%
Total Flux	48055	100%

ISO FOOTCANDLE



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

POLAR CURVE



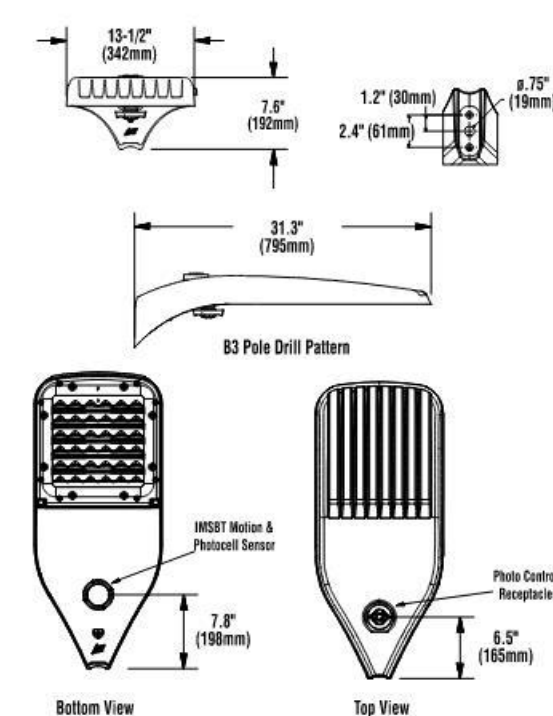
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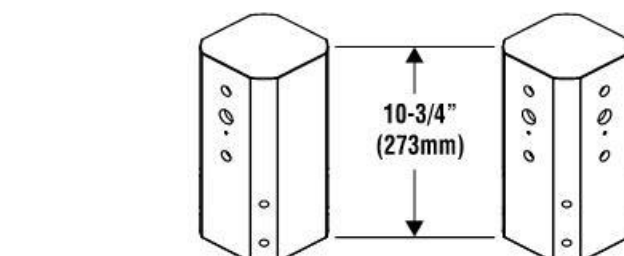
ZONE Medium Outdoor Sports Light

PRODUCT DIMENSIONS



LUMINAIRE EPA CHART - ZNM									
Tilt Degree	0°	30°	45°	Tilt Degree	0°	30°	45°		
Single	0.5	1.5	1.9	T90°	1.0	2.5	2.8		
D180°	1.0	1.5	1.9	TN120°	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 Single/D180 (Drilled 2 Sides)
BKA-XNM-D90, T90 or Q90-*CLR D90/T90/Q90 (Drilled 4 Sides)

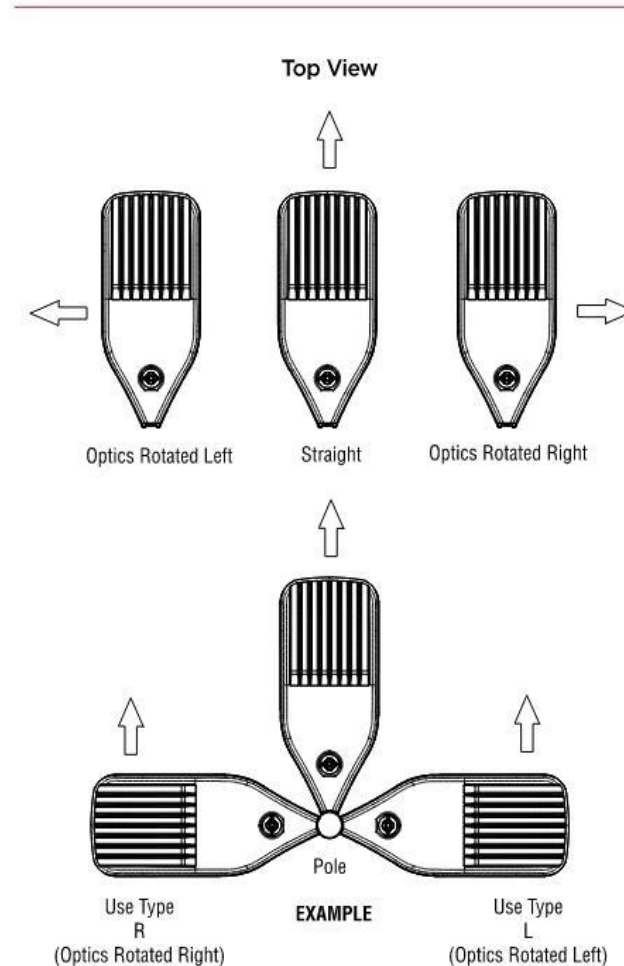
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Mirada Medium Outdoor LED Area Light

OPTICS ROTATION

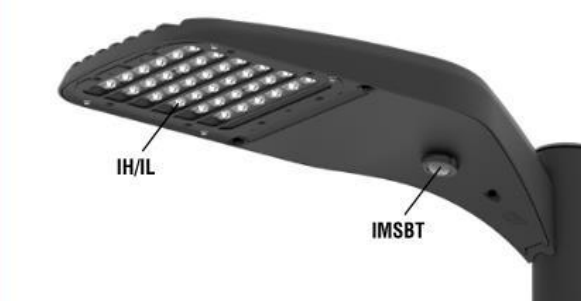


ACCESSORIES/OPTIONS

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 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

HEALTHY WAY OF LIFE

2902 CORPORATE PLACE CHAMHASSEN, MN 55317

CONSULTANT

LIFE TIME

PROPERTY DEVELOPMENT

PROJECT INFORMATION

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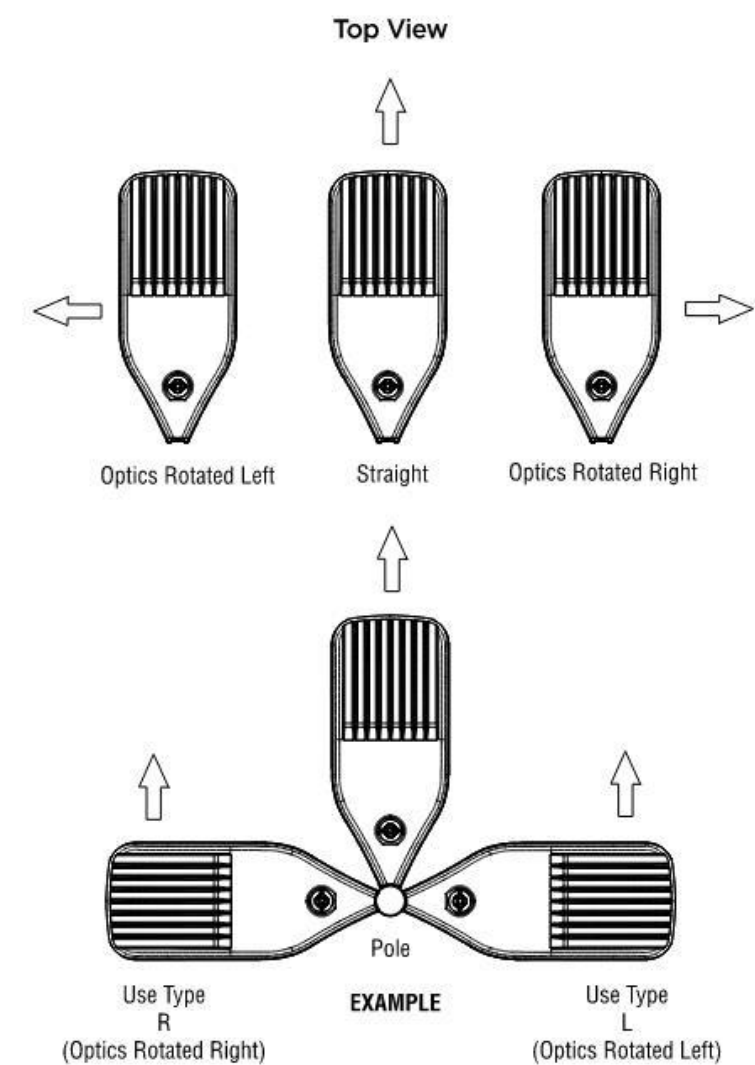
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PUBLICATIONS

EXTERIOR SITE LIGHTING PG 2



OPTICS ROTATION



Mirada Medium Outdoor LED Area Light

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 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



PERFORMANCE

Delivered Lumens*		CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
Lumen Package	Distribution		Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
7L	2	70	7560	157	82-U0-G2	7560	157	82-U0-G2	7560	157	82-U0-G2	48
	3		7616	159	81-U0-G2	7616	159	81-U0-G2	7616	159	81-U0-G2	
	SW		7292	152	83-U0-G1	7292	152	83-U0-G1	7292	152	83-U0-G1	
	FT		7562	158	82-U0-G2	7562	158	82-U0-G2	7562	158	82-U0-G2	
	FTA		7595	158	82-U0-G2	7595	158	82-U0-G2	7595	158	82-U0-G2	
9L	2	70	9853	159	82-U0-G2	9853	159	82-U0-G2	9853	159	82-U0-G2	62
	3		9926	160	82-U0-G2	9926	160	82-U0-G2	9926	160	82-U0-G2	
	SW		9504	153	83-U0-G2	9504	153	83-U0-G2	9504	153	83-U0-G2	
	FT		9856	159	82-U0-G3	9856	159	82-U0-G3	9856	159	82-U0-G3	
	FTA		9900	160	82-U0-G2	9900	160	82-U0-G2	9900	160	82-U0-G2	
12L	2	70	10019	162	82-U0-G1	10019	162	82-U0-G1	10019	162	82-U0-G1	85
	3		13135	155	83-U0-G2	13135	155	83-U0-G2	13135	155	83-U0-G2	
	SW		12669	149	84-U0-G2	12669	149	84-U0-G2	12669	149	84-U0-G2	
	FT		13138	155	82-U0-G3	13138	155	82-U0-G3	13138	155	82-U0-G3	
	FTA		13196	155	82-U0-G2	13196	155	82-U0-G2	13196	155	82-U0-G2	
18L	2	70	13355	157	82-U0-G2	13355	157	82-U0-G2	13355	157	82-U0-G2	135
	3		19318	143	83-U0-G3	19318	143	83-U0-G3	19318	143	83-U0-G3	
	SW		19461	144	83-U0-G3	19461	144	83-U0-G3	19461	144	83-U0-G3	
	FT		18633	138	84-U0-G2	18633	138	84-U0-G2	18633	138	84-U0-G2	
	FTA		19324	143	83-U0-G3	19324	143	83-U0-G3	19324	143	83-U0-G3	
24L	2	70	19408	144	83-U0-G3	19408	144	83-U0-G3	19408	144	83-U0-G3	176
	3		19641	145	83-U0-G2	19641	145	83-U0-G2	19641	145	83-U0-G2	
	SW		25957	147	84-U0-G3	25957	147	84-U0-G3	25957	147	84-U0-G3	
	FT		26149	149	83-U0-G4	26149	149	83-U0-G4	26149	149	83-U0-G4	
	FTA		25037	142	85-U0-G3	25037	142	85-U0-G3	25037	142	85-U0-G3	
30L	2	70	25964	148	83-U0-G4	25964	148	83-U0-G4	25964	148	83-U0-G4	232
	3		26077	148	83-U0-G3	26077	148	83-U0-G3	26077	148	83-U0-G3	
	SW		26393	150	83-U0-G2	26393	150	83-U0-G2	26393	150	83-U0-G2	
	FT		32417	140	84-U0-G3	32417	140	84-U0-G3	32417	140	84-U0-G3	
	FTA		32656	140	84-U0-G3	32656	140	84-U0-G3	32656	140	84-U0-G3	
36L	2	70	32424	140	83-U0-G4	32424	140	83-U0-G4	32424	140	83-U0-G4	288
	3		32566	142	84-U0-G3	32566	142	84-U0-G3	32566	142	84-U0-G3	
	SW		32960	143	83-U0-G3	32960	143	83-U0-G3	32960	143	83-U0-G3	
	FT		38275	133	84-U0-G4	38275	133	84-U0-G4	38275	133	84-U0-G4	
	FTA		38557	134	84-U0-G5	38557	134	84-U0-G5	38557	134	84-U0-G5	



PERFORMANCE (CONT.)

Delivered Lumens*		CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
Lumen Package	Distribution		Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
42L	2	70	44118	125	85-U0-G4	44118	125	85-U0-G4	44118	125	85-U0-G4	354
	3		44444	126	84-U0-G5	44444	126	84-U0-G5	44444	126	84-U0-G5	
	SW		42555	120	85-U0-G4	42555	120	85-U0-G4	42555	120	85-U0-G4	
	FT		44130	125	84-U0-G5	44130	125	84-U0-G5	44130	125	84-U0-G5	
	FTA		44322	125	84-U0-G4	44322	125	84-U0-G4	44322	125	84-U0-G4	
48L	2	70	44859	127	84-U0-G3	44859	127	84-U0-G3	44859	127	84-U0-G3	401
	3		48795	122	85-U0-G4	48795	122	85-U0-G4	48795	122	85-U0-G4	
	SW		49156	123	84-U0-G5	49156	123	84-U0-G5	49156	123	84-U0-G5	
	FT		47066	117	85-U0-G4	47066	117	85-U0-G4	47066	117	85-U0-G4	
	FTA		48809	122	84-U0-G5	48809	122	84-U0-G5	48809	122	84-U0-G5	

ELECTRICAL DATA (AMPS)*		Lumens					
Lumens	120V	208V	240V	277V	347V	480V	
7L	0.40	0.23	0.20	0.17	0.14	0.10	
9L	0.52	0.30	0.26	0.22	0.18	0.13	
12L	0.71	0.41	0.35	0.31	0.24	0.18	
18L	1.13	0.65	0.56	0.49	0.39	0.29	
24L	1.47	0.85	0.73	0.64	0.51	0.37	
30L	1.93	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	3.4A	1.9A	1.7A	1.5A	1.2A	0.8A	

ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*		Lumens					
Lumens	120V	208V	240V	277V	347V	480V	
9L	74.3	0.6A	0.4A	0.3A	0.3A	0.2A	0.2A
12L	102.9	0.9A	0.5A	0.4A	0.4A	0.3A	0.2A

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

RECOMMENDED LUMEN MAINTENANCE* (7-18L)		Ambient					
Ambient	Initial ¹	25h ²	50h ²	75h ²	100h ²		
0-50 C	100%	98%	92%	88%	84%		

RECOMMENDED LUMEN MAINTENANCE* (24-48L)		Ambient					
Ambient	Initial ¹	25h ²	50h ²	75h ²	100h ²		
0-40 C	100%	100%	97%	94%	92%		

- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and photol 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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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.

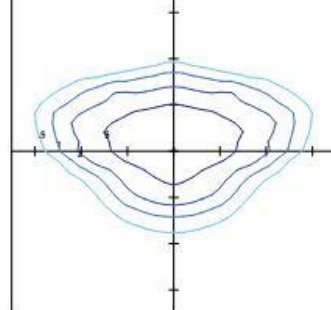
MRM-LED-30L-SIL-2-40-70CRI

LUMINAIRE DATA

Type 2 Distribution		4000 Kelvin, 70 CRI	
Description	Delivered Lumens	32,416	
Watts	232		
Efficacy	140		
IES Type	Type II - Short		
BUG Rating	84-U0-G3		

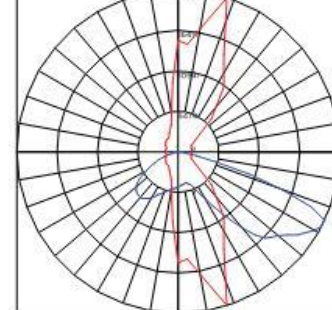
Zonal Lumen Summary		Zone	
Lumens	%Luminaire	Lumens	%Luminaire
Low (0-30°)	4796	15%	
Medium (30-60°)	7811	24%	
High (60-90°)	7614	23%	
Very High (90-120°)	33%	1%	
Uplight (120-180°)	0	0%	
Total Flux	32416	100%	

ISO FOOTCANDLE



25' Mounting Height/ 25' Grid Spacing
5 FC 2 FC 1 FC 0.5 FC

POLAR CURVE



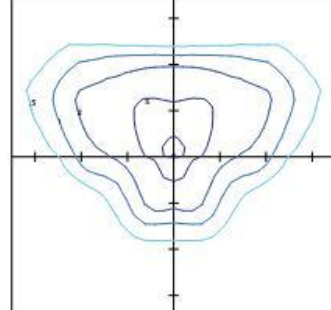
MRM-LED-30L-SIL-3-40-70CRI

LUMINAIRE DATA

Type 3 Distribution		4000 Kelvin, 70 CRI	
Description	Delivered Lumens	32,558	
Watts	232		
Efficacy	141		
IES Type	Type III - Short		
BUG Rating	83-U0-G4		

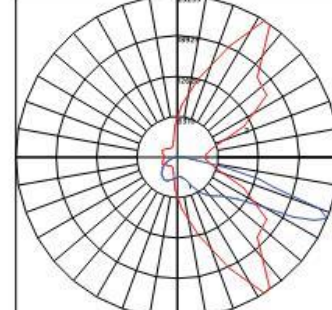
Zonal Lumen Summary		Zone	
Lumens	%Luminaire	Lumens	%Luminaire
Low (0-30°)	3485	11%	
Medium (30-60°)	16250	50%	
High (60-90°)	12430	38%	
Very High (90-120°)	581	2%	
Uplight (120-180°)	0	0%	
Total Flux	32558	100%	

ISO FOOTCANDLE



25' Mounting Height/ 25' Grid Spacing
5 FC 2 FC 1 FC 0.5 FC

POLAR CURVE



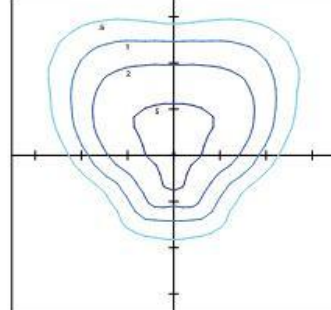
MRM-LED-30L-SIL-FT-40-70CRI

LUMINAIRE DATA

Type FT Distribution		4000 Kelvin, 70 CRI	
Description	Delivered Lumens	32,424	
Watts	232		
Efficacy	140		
IES Type	Type IV - Short		
BUG Rating	83-U0-G4		

Zonal Lumen Summary		Zone	
Lumens	%Luminaire	Lumens	%Luminaire
Low (0-30°)	2602	8%	
Medium (30-60°)	15505	48%	
High (60-90°)	12279	38%	
Very High (90-120°)	688	2%	
Uplight (120-180°)	0	0%	
Total Flux	32424	100%	

ISO FOOTCANDLE



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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 PQM15 CLR

The Pole Quick Mount Bracket allows for preset 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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