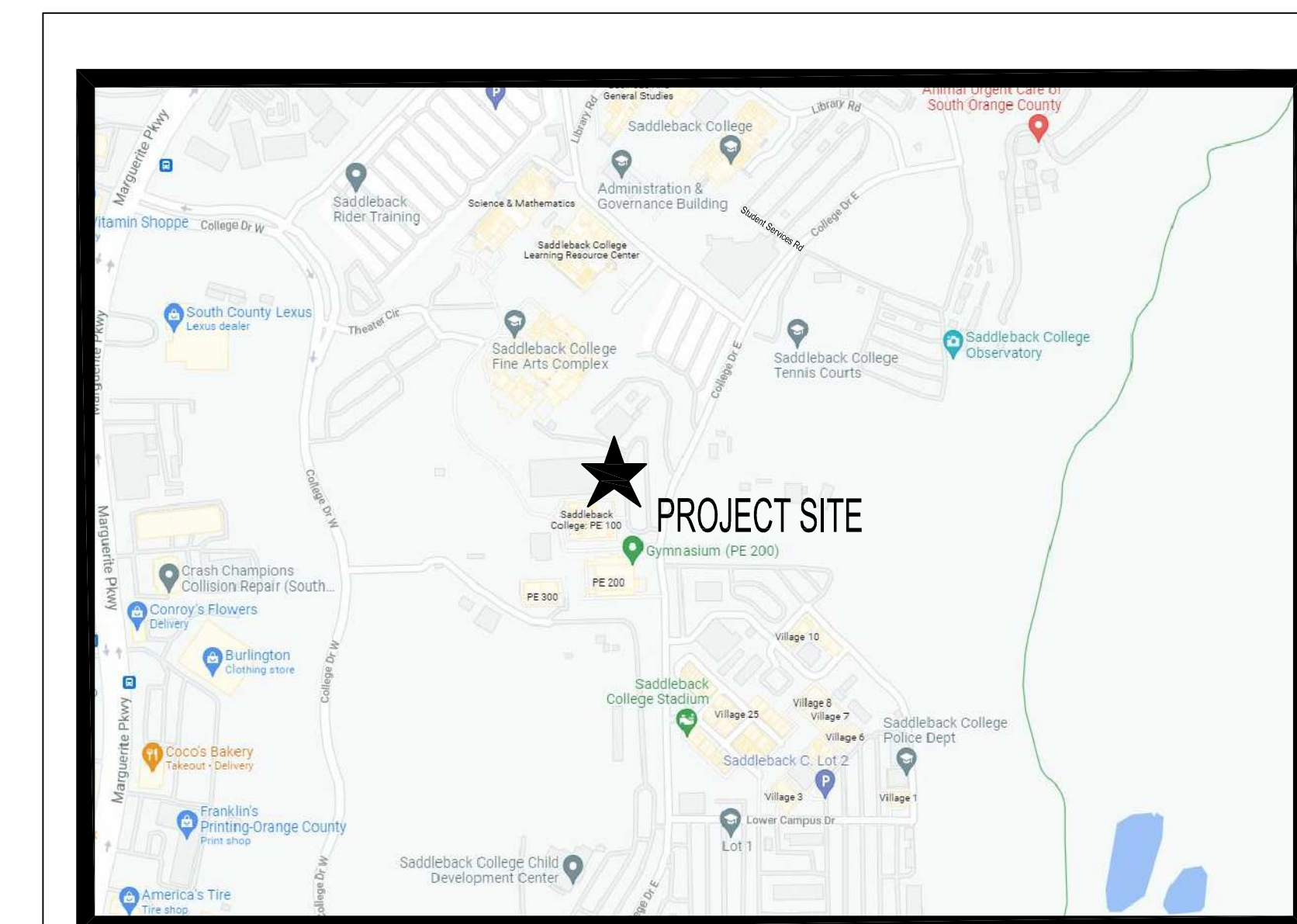


SADDLEBACK COLLEGE SWIMMING POOL REFURBISHMENT

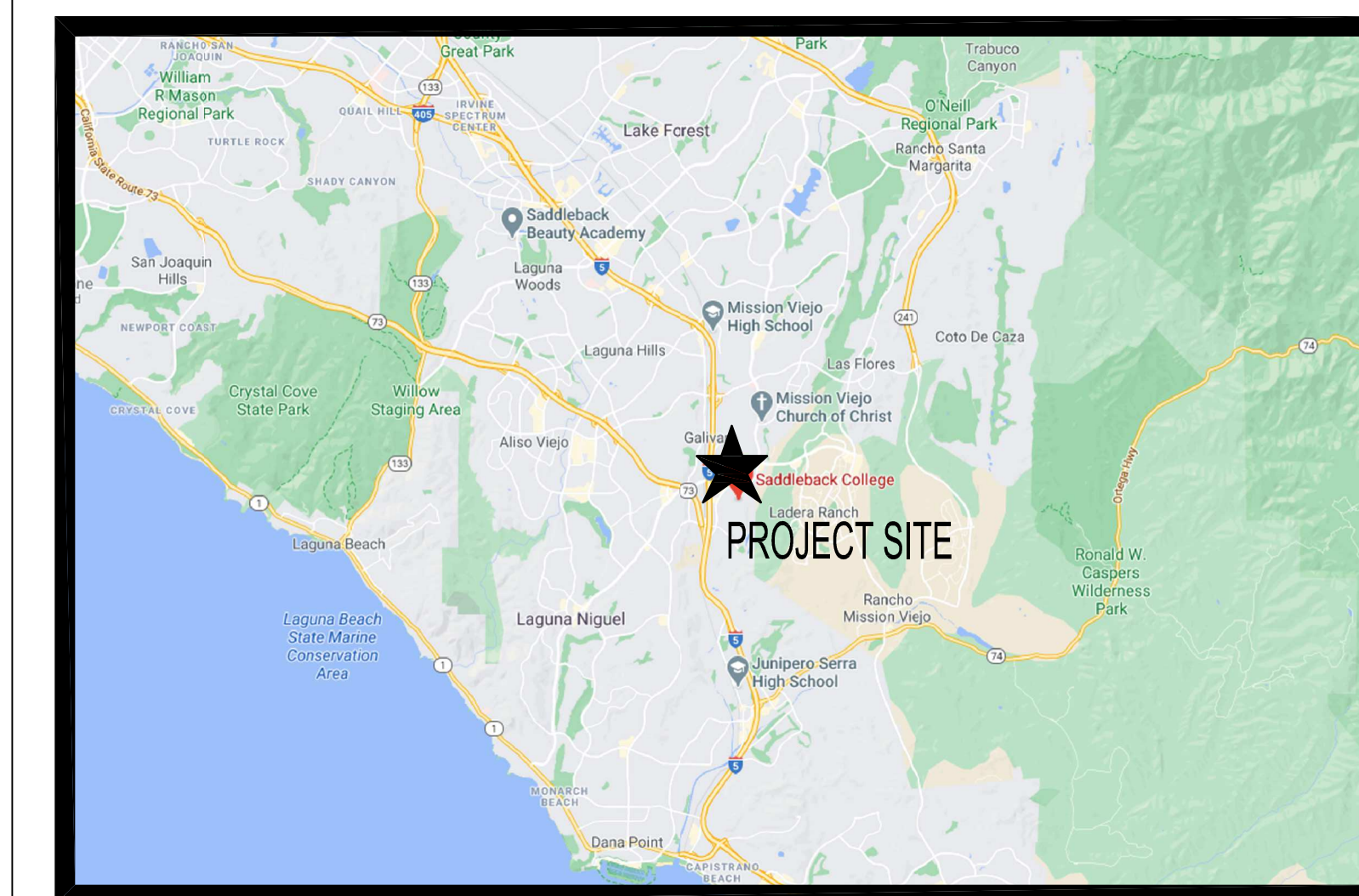


28000 MARGUERITE PKWY MISSION VIEJO, CA 92692

SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT



VICINITY MAP



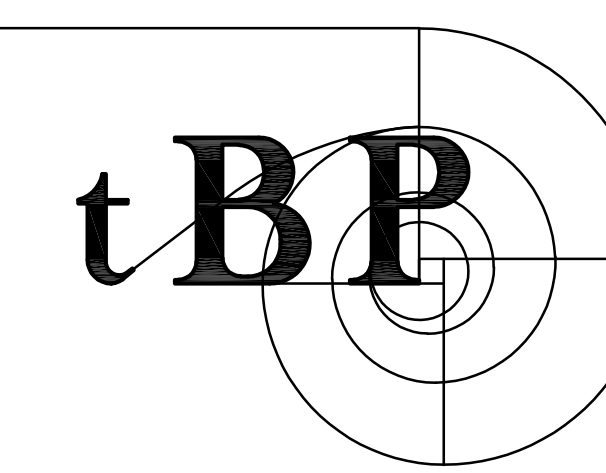
REGIONAL MAP

tBP/Architecture

4611 Teller Avenue - Newport Beach - California - 92660

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ph: 949.673.0300

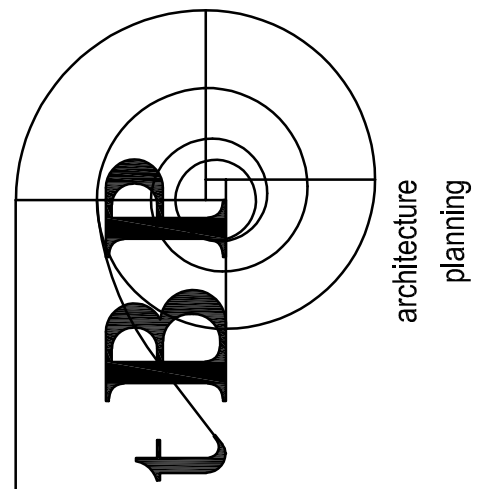


Architecture
Planning
Interiors

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120421 INC:
REVIEWED FOR
SS FLS ACS
DATE: 11/09/2021

AP 04 - 120421
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consultant

SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

owner

tBP project number : 21057.00

file name: 00T-1_Cover SHL.dwg

drawn by: JG checked by:

date: 10/26/2021

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drawing title:
COVER SHEET

drawing no.:

T-1

drawing 1 of 31

ABBREVIATIONS

&	AND	(E)	EXISTING	K	KIP (1000 LB)	R	RISER
∠	ANGLE	EA	EACH	KIT.	KITCHEN	RAD.	RADIUS
@	AREA DRAIN	E.J.	EXPANSION JOINT	KO	KNOCKOUT	R.D.	ROOF DRAIN
⊕	CENTERLINE	ELEC.	ELECTRICAL	KVA	KILOVOLT AMPERE	R.D.WD.	REINFORCED CONCRETE
∅	DIAMETER OR ROUND	ELEV.	ELEVATION	LAB.	LABORATORY	REF.	REFERENCE
#	NUMBER	EMER.	EMERGENCY	LAM.	LAMINATED	REFR.	REFRIGERATOR
AB	ANCHOR BOLT	ENCL.	ENCLOSURE	LAV.	LAVATORY	REG.	REGISTER
AC	ASPHALTIC CONCRETE	ENGY	ENERGY	LB.	POUND	REINFR.	REINFORCING
ACP	ACOUSTICAL PANEL	ENTR	ENTRANCE	LOG	LANDING	REQD.	REQUIRED
ACT	ACOUSTICAL TILE	EP	EPOXY ENAMEL	LL	LIVE LOAD	RESIL.	RESILIENT
ACOUS	ACOUSTICAL	EQ.	EQUAL	LT	LIGHT	RETUR.	RETURN
AD	AREA DRAIN	EQUIP.	EQUIPMENT	LTF	LINOLEUM TILE FLOORING	REV.	REVERSE
ADH	ADHESIVE	EST.	ESTIMATE	LTO	LIGHTING	RFG	REFRIG ROOM
ADJ	ADJACENT	E.W.C.	ELECTRIC WATER COOLER	LVL	LEVEL	RM	ROOM
AFF	ABOVE FINISH FLOOR	EW	ELECTRIC WATER HEATER	LVR	LOUVER	R.O.	ROUGH OPENING
AFP	ACCORDIAN FOLDING PARTITION	EXH	EXHAUST			R.T.F.	RUBBER TILE FLOORING
AGGR	AGGREGATE	EXIST.	EXISTING	MAINT	MAINTENANCE	S.B.	SPLASH BLOCK
ALT	ALTERNATE	EXP.	EXPANSION	MAN	MANUAL	S.C.	SOLID CORE
ALUM	ALUMINUM	EXPSD.	EXPOSED	MAS	MASONRY	SCHED.	SCHEDULE
AMP	AMPERE	EXT.	EXTERIOR	MATL.	MATERIAL	SCN	SOLID CORE NATURAL FINISH
ANDD	AND DASHED	F	FACTORY FINISH	MAX.	MAXIMUM	SCP	SOLID CORE PAINT FINISH
APPROX	APPROXIMATELY	F	FACTORY FINISH	MCC	MOTOR CONTROL CENTER	SCPL	SOLID CORE PLAM FINISH
ARCH	ARCHITECT	F.A.	FIRE ALARM	MECH.	MECHANICAL	S.D.	STORM DRAIN
ASB	ASBESTOS	FC	FOOTCANDLE	MED	MEDIUM	SECT.	SECTION
ASSY	ASSEMBLY	F.D.	FLOOR DRAIN	MEZZ	MEZZANINE	SF	SQUARE FOOT
BAT	BATTERY	FDC	FIRE DEPARTMENT CONNECTION	MFR	MANUFACTURER	SHT	SHEET
BBD	BULLETIN BOARD	FDN	FOUNDATION	MH	MANHOLE	SIM	SIMILAR
BO	BOARD	F.E.	FIRE EXTINGUISHER	MIN.	MINIMUM	SUR	SEALER
BLDG	BUILDING	F.E.C.	FIRE EXTINGUISHER CABINET	MIR	MIRROR	SPEC.	SPECIFICATIONS
BLKS	BLOCKING	F.F.	FINISH FLOOR	MISC.	MISCELLANEOUS	SPLY	SUPPLY
BLO	BLOWER	F.G.	FINISHED GRADE	MKR	MARKER	SQ	SQUARE
BLR	BOILER	F.H.	FIRE HYDRANT	MTL	METAL	S.SK	SERVICE SINK
BLW	BELOW	FIN.	FINISH	MTD.	MOUNTED	SST.	STAINLESS STEEL
BM	BEAM	F.L.	FLOW LINE	MUL	MULLION	ST	STREET
BO	BOTTOM OF	FLASH.	FLASHING	MVBL	MOVABLE	STAG	STAGGERED
BRKR	BREAKER	FLR.	FLOOR	(N)	NEW	STC	SOUND TRANSMISSION CLASS
BTU	BRITISH THERMAL UNIT	F.O.	FACE OF	NAT.	NATURAL	STD.	STANDARD
BUR	BUILT UP ROOFING	F.O.C.	FACE OF CONCRETE	NEG	NEGATIVE	STN	STAIN FINISH
CAB	CABINET	F.O.F.	FACE OF FINISH	N.I.C.	NOT IN CONTRACT	STR	STORAGE
CARP	CARPET	F.O.M.	FACE OF MASONRY	NO.	NUMBER	STRUC.T.	STRUCTURAL
CAT	CATALOG	F.O.S.	FACE OF STUD	NOM.	NOMINAL	SURF.	SURFACE
CB	CATCH BASIN	FPF	FOLDING PANEL PARTITION	N.T.S.	NOT TO SCALE	SUSP.	SUSPENDED
CEM	CEMENT	FPW	FOLDING PANEL WOOD DOOR	O.A.	OVERALL	SV	SHEET VINYL
CF	CURB FACE	F.R.	FIRE RETARDANT	O.C.	ON CENTER	SWBD	SWITCHBOARD
CFM	CUBIC FEET PER MINUTE	F.R.A.	FIRE RATED ASSEMBLY	O.O.	OUTSIDE DIAMETER	SWGR	SWITCHGEAR
CHBD	CHAIRBOARD	F.R.P.	FIBERGLASS REINFORCED PANEL	O.F.	OUTSIDE DIAMETER	SWR	SEWER
CHEM	CHEMICAL	F.S.	FLOOR SINK	O.F.	OUTSIDE DIAMETER	SYM	SYMBOL
CHWR	CHILLED WATER RETURN	FT	FOOT OR FEET	OPCI	OFFICE FURNISHED-CONTRACTOR	SYS	SYSTEM
CHWS	CHILLED WATER SUPPLY	FTG	FOOTING	INSTALLED			
CI	CAST IRON	FURR.	FURRING	OFF	OFFICE	T.	TREAD
CIR	CIRCLE	FXTR	FIXTURE	OFOW	OWNER FURNISHED-OWNER	T. & B.	TOP AND BOTTOM
CJ	CONTROL JOINT	G.	GAS	OPNG.	OPENING	T. & G.	TONGUE AND GROOVE
CL	CENTERLINE	GA.	GAGE	OPP.	OPPOSITE	T.C.	TOP OF CURB
CLG	CEILING	GALV.	GALVANIZED	OVHD	OVERHEAD	TD	TRENCH DRAIN
CLO	CLOSET	GB	GRAB BAR	TECH.	TECHNICAL	TEL.	TELEPHONE
CLRM	CLASSROOM	G.I.	GALVANIZED IRON	PART.	PARTITION	TEMP.	TEMPERATURE
CMT	CERAMIC MOSAIC TILE	GL	GLASS	PB	PULL BOX	T.G.	TOP OF GRATE
CMU	CONCRETE MASONRY UNIT	QLLAM.	GLUE LAMINATED	PRD	PARTICLEBOARD	THK	THICK
CND	CANDID	GND.	GROUND	PC	PORTLAND CEMENT	THRES.	THRESHOLD
CO	CLEANOUT	GPM	GALLONS PER MINUTE	PD	PLANTER DRAIN	THRU	THROUGH
COL	COLUMN	GR.	GRADE	PERF	PERFORATED	TKBD	TACKBOARD
COMM	COMMUNICATION	GYP.	GYPSUM	PERP	PERPENDICULAR	T.O.	TOP OF
COMP	COMPOSITION	PE	PAINT EGGSHELL	PO.P.	TOP OF PARAPET	TOT	TOTAL
CONC	CONCRETE	H.B.	HOSE BIBB	PF	PAINT FLAT	TOT	TOTAL
CONF	CONFERENCE	HCN	HOLLOW CORE NATURAL FINISH	PG	PAINT GLOSS	T.P.	TOP OF PAVING
CONN	CONNECTION	HCP	HOLLOW CORE PAINT FINISH	P.H.	PANIC HARDWARE	TRNSF.	TRANSFORMER
CONT	CONTINUOUS	HDBD.	HARDBOARD	PIV	POST INDICATOR VALVE	TW	TOP OF WALL
CONTR	CONTRACTOR	HDR	HEADER	P.L.	PROPERTY LINE	TYP.	TYPICAL
COORD	COORDINATE	HDW.	HARDWARE	PL.	PLATE		
CORR	CORRIDOR	HDWD.	HARDWOOD	P.LAM.	PLASTIC LAMINATE	UGND	UNDERGROUND
COV	COVER	HGT.	HEIGHT	UNFIN.	UNFINISHED		
CP	CONTROL PANEL	H.M.	HOLLOW METAL	PLAT.	PLATFORM	U.N.O.	UNLESS NOTED OTHERWISE
CR	CONDENSATE RETURN	HORIZ.	HORIZONTAL	PLBG	PLUMBING	U.O.S.	UNDERSIDE OF STRUCTURE
CSWK	CASEWORK	HP	HORSEPOWER	PLF	POUNDS PER LINEAR FOOT	URL	UTILITY
CT	CERAMIC TILE	HR.	HOUR	PLYWD.	PLYWOOD		
CTSK	COUNTERSINK	HTG.	HEATING	PANL.	PANEL		
CTV	CABLE TELEVISION	HTWR	HOT WATER RETURN	POS	POSITIVE	V	VOLT
CW	COLD WATER	HTWS	HOT WATER SUPPLY	PR	PAIR	VAC	VACUUM
		HVAC	HEATING, VENTILATING, AIR CONDITIONING	PREFAB	PREFABRICATED	VAV	VARIABLE AIR VOLUME
DBL	DOUBLE	HV	HEAVY	PREFIN	PREFINISHED	V.C.T.	VINYL COMPOSITION TILE
DEMO	DEMOLITION	HVY	HEAVY	PRELIM	PRELIMINARY	VERT.	VERTICAL
DEPT	DEPARTMENT	HW	HOT WATER	PROJ	PROJECT	VEST.	VESTIBULE
DET	DETAIL	PSF	POUNDS PER SQUARE FOOT	PSG	PAINT SEMI-GLOSS	VFWC	VINYL FABRIC WALL COVERING
DF	DRINKING FOUNTAIN	PGL	PANIC GLASS	PSI	POUNDS PER SQUARE INCH	W	WATT
DG	DECOMPOSED GRANITE	IE	INVERT ELEVATION	PVC	POLYVINYL CHLORIDE	W	WITH
DIA	DIAMETER	INSUL	INSULATION			W.C.	WATER CLOSET
DIM	DIMENSION	INT.	INTERIOR			WD.	WOOD
DISP	DISPENSER	INV.	INVERT	Q.T.	QUARTY TILE	W.D.W.	WINDOW
DIST.	DISTANCE	IWR	IRRIGATION WATER	QTY	QUANTITY	WHSE	WAREHOUSE
DIV.	DIVISION	JAN.	JANITOR			WL	WIND LOAD
D.L.	DEAD LOAD	JCT.	JUNCTION			WLD	WELDED
DN.	DOWN	JOINT	JOINT			WP	WORKING POINT
DS.	DOWN SPOUT					WPG	WATERPROOFING
DWG.	DRAWING					WR	WATER RESISTANT
						WSCOT	WAINSCOT
						WT	WEIGHT
						W.W.F.	WELDED WIRE FABRIC
						XFMR	TRANSFORMER

SUMMARY OF WORK

THIS PROJECT CONSISTS OF THE REFURBISHMENT OF THE EXISTING POOL (AF 48083) AND EQUIPMENT ROOM (AF 48085). PROJECT INCLUDES ELECTRICAL WORK AND SITE WORK.

THERE ARE NO CHANGES TO OCCUPANCY TYPE OR TOTAL SQUARE FOOTAGE OF EXISTING SPACE.

PROJECT DIRECTORY

OWNER SADDLEBACK COLLEGE 28000 MARGUERITE PKWY MISSION VIEJO, CA 92692-3635 949-592-4947	AQUATIC AQUATIC DESIGN GROUP 2226 FARRADAY AVE. CARLSBAD, CA 92008 (760) 444-8383
ARCHITECT IBP/ARCHITECTURE 4811 TELLER AVENUE NEWPORT BEACH, CA 92660 PHONE: (949) 673-0300	ELECTRICAL FBA ENGINEERING 150 PAULJARDIN AVENUE, SUITE A120 COSTA MESA, CA 92626 PHONE: (949) 852-9995
CIVIL FPL AND ASSOCIATES, INC. 10 CORPORATE PARK, SUITE 310 IRVINE, CA 92606 PHONE: (949) 252-1688	

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020*

2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*
 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
 (2018 INTERNATIONAL BUILDING CODE, VOL. 1&2, AND 2019 CALIFORNIA AMENDMENTS)
 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
 (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
 (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
 (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
 2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
 (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
 (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
 TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 2016 ASME A17.1/CSA B44-16 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 39)
 NOTE: CALIFORNIA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION.

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2016 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2016 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STANDARD FOR INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2016 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2015 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 (R2012)
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE (CFC) CHAPTER 80.
 SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.
 *ALL PARTS OF THE 2019 CALIFORNIA BUILDING CODE BECAME EFFECTIVE JANUARY 1, 2020, EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2019 BUILDING ENERGY EFFICIENCY STANDARDS (TITLE 24, PART 1, CHAPTER 10) IS JANUARY 8, 2019 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART 1, CHAPTER 4) IS JANUARY 8, 2019.

Statement of General Conformance

(Application No. 04-120421 File No. 30-C5)

The drawings or sheets listed on the cover or index sheet [marked by asterisk (*)]
 This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

- design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
- coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

This Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1, (Title 24, Part 1, Section 4-317 (b))

I find that: All drawings or sheets listed on the cover or index sheet
 This drawing or page

Is/are in general conformance with the project design, and
 has/have been coordinated with the project plans and specifications.

Is/are in general conformance with the project design intent, and
 has/have been coordinated with the project plans and specifications.

Signature: GARY P. MOON Date: 8/25/2021
 Architect or Engineer designated to be in general responsible charge

Signature: _____ Date: _____
 Architect or Engineer delegated responsibility for this portion of the work

Print Name: GARY P. MOON Print Name: _____
 License Number: C 25409 Expiration Date: 7-31-23 License Number: _____ Expiration Date: _____

GENERAL REQUIREMENTS

ALL WORK TO CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS APPROVED BY THE DIVISIONS OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24 CCR). INSPECTOR SHALL HAVE CLASS (C) CERTIFICATION MINIMUM.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

GRADING PLANS, DRAINAGE IMPROVEMENT, ROAD AND ENVIRONMENT HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

THE PROVISIONS OF CFC AND CBC CH.33 SHALL BE ENFORCED ON THIS PROJECT.

THE INTENT OF THESE DRAWINGS AND SPECIFICATION IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(G), PART 1, TITLE 24 CCR)

CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPMENT AND/OR PERSONNEL.

THE REVIEW OF THESE DRAWINGS IS LIMITED TO ONLY THOSE MODIFICATIONS AND/OR CHANGES SHOWN. A REVIEW OF EXISTING CONDITIONS WITHIN THE BUILDINGS FOR THE PURPOSE OF COMPARING THESE CONDITIONS TO CURRENT CODE REQUIREMENTS HAS TO BE MADE. EXISTING CONDITIONS ARE SUBJECT TO EVALUATION BY THE AUTHORITY HAVING JURISDICTION.

SHEET INDEX

DRAWINGS TOTAL - 35

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T-2 SHEET INDEX AND GENERAL NOTES	
T-3 CODE ANALYSIS	
CIVIL DRAWINGS*	(NO. OF DRAWINGS - 1)
C1.0 PRECISE GRADING PLAN	
ARCHITECTURAL DRAWINGS	(NO. OF DRAWINGS - 9)
AS-1 OVERALL CAMPUS SITE PLAN	
AS-2 ENLARGED SITE PLAN	
0A1-1 DEMO PLAN LOWER LEVEL	
A1-1 REMODEL PLAN LOWER LEVEL	
0A-1 DEMO PLAN UPPER LEVEL	
A-1 REMODEL PLAN UPPER LEVEL	
2.00 ENLARGED SITE PLANS	
2.01 FENCE AND GATE ELEVATIONS	
2.02 DETAILS	
ELECTRICAL DRAWINGS*	(NO. OF DRAWINGS - 7)
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E-1 SINGLE LINE DIAGRAM, PANELS, DETAILS	
E-2 ELECTRICAL MECHANICAL ROOM DEMO AND NEW PLANS	
E-3 OVERALL ELECTRICAL SITE PLAN	
E-4 ENLARGED POOL SPORTS LIGHTING PLAN	
E-5 ENLARGED POOL SPORTS LIGHTING CALCULATIONS	
E-6 ENLARGED POOL EGRESS LIGHTING CALCULATIONS	
AQUATIC DRAWINGS*	(NO. OF DRAWINGS - 15)
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MR-1 MECHANICAL ROOM DEMOLITION PLAN	
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MR-3 DETAILS	
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MR-7 DETAILS	
MR-8 PIPE HANGER DETAILS (OPM-0043-13)	
MR-9 PIPE HANGER DETAILS (OPM-0043-13)	
MR-10 PIPE HANGER DETAILS (OPM-0043-13)	

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-120421 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/09/2021

AF 04 - 120421
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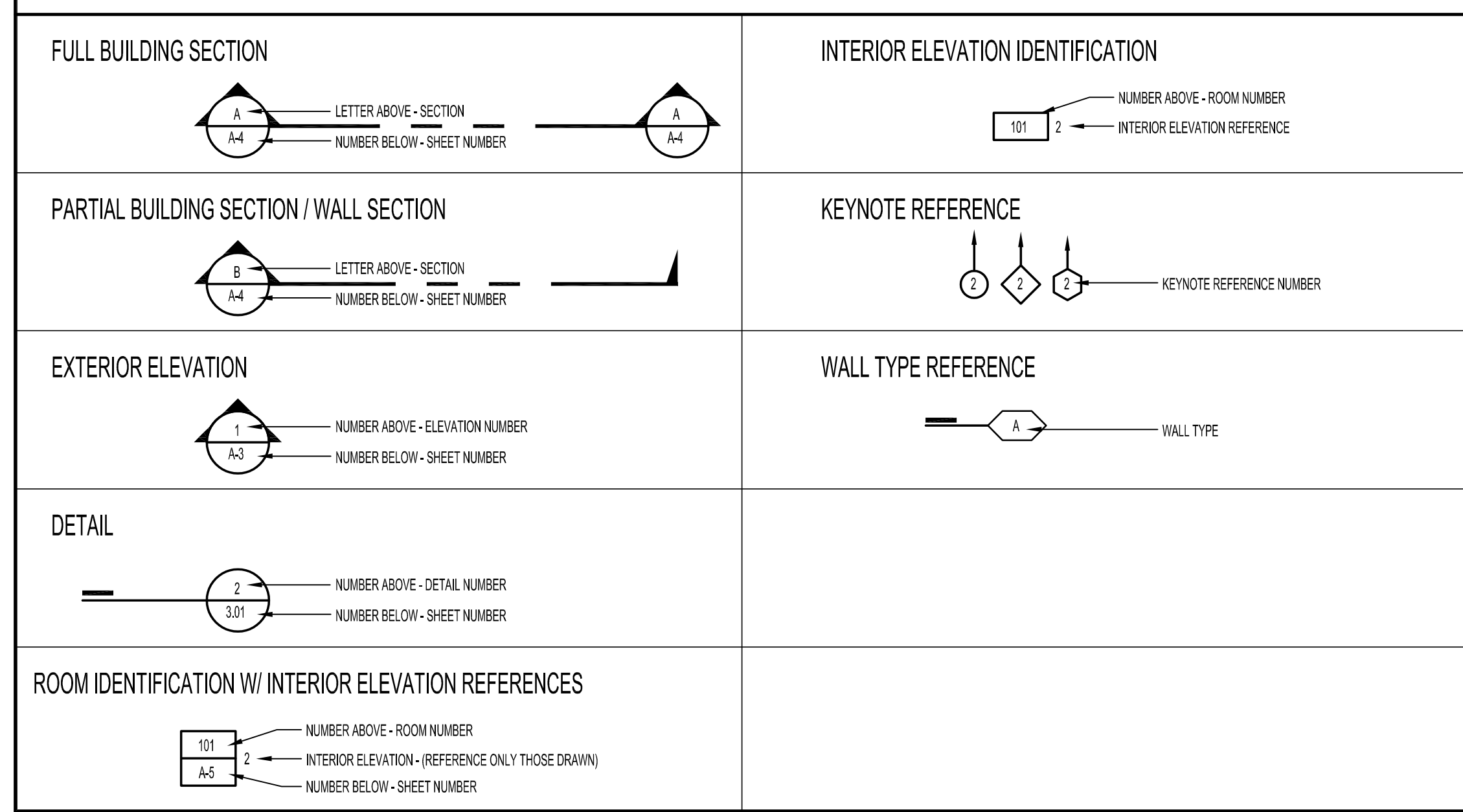
agency

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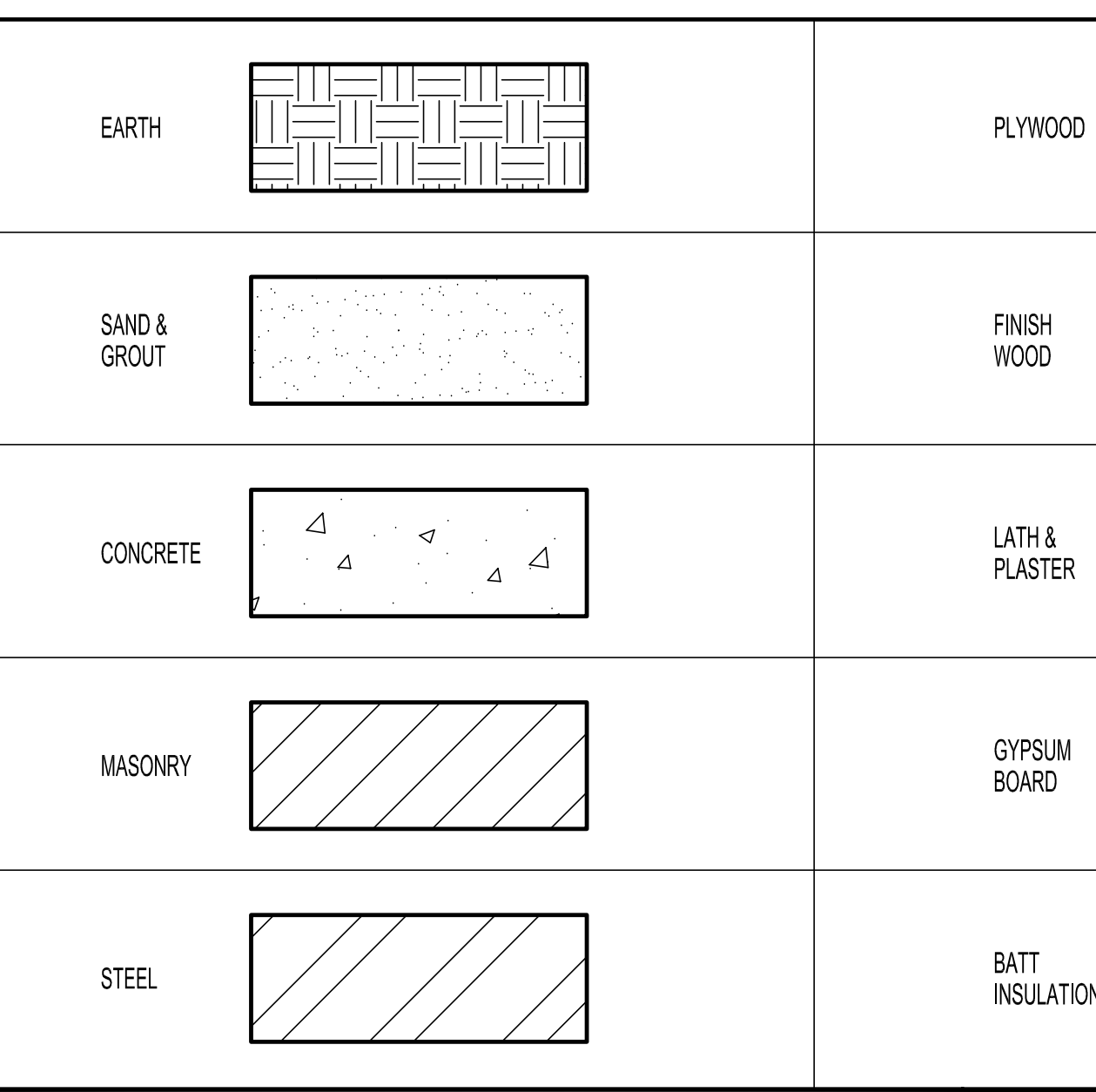
architect

consultant

REFERENCE SYMBOLS



MATERIAL SYMBOLS



GENERAL REQUIREMENTS

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file name: 00T-2_Sht Index Gen Notes.dwg

drawn by: JG checked by:

date: 10/26/2021

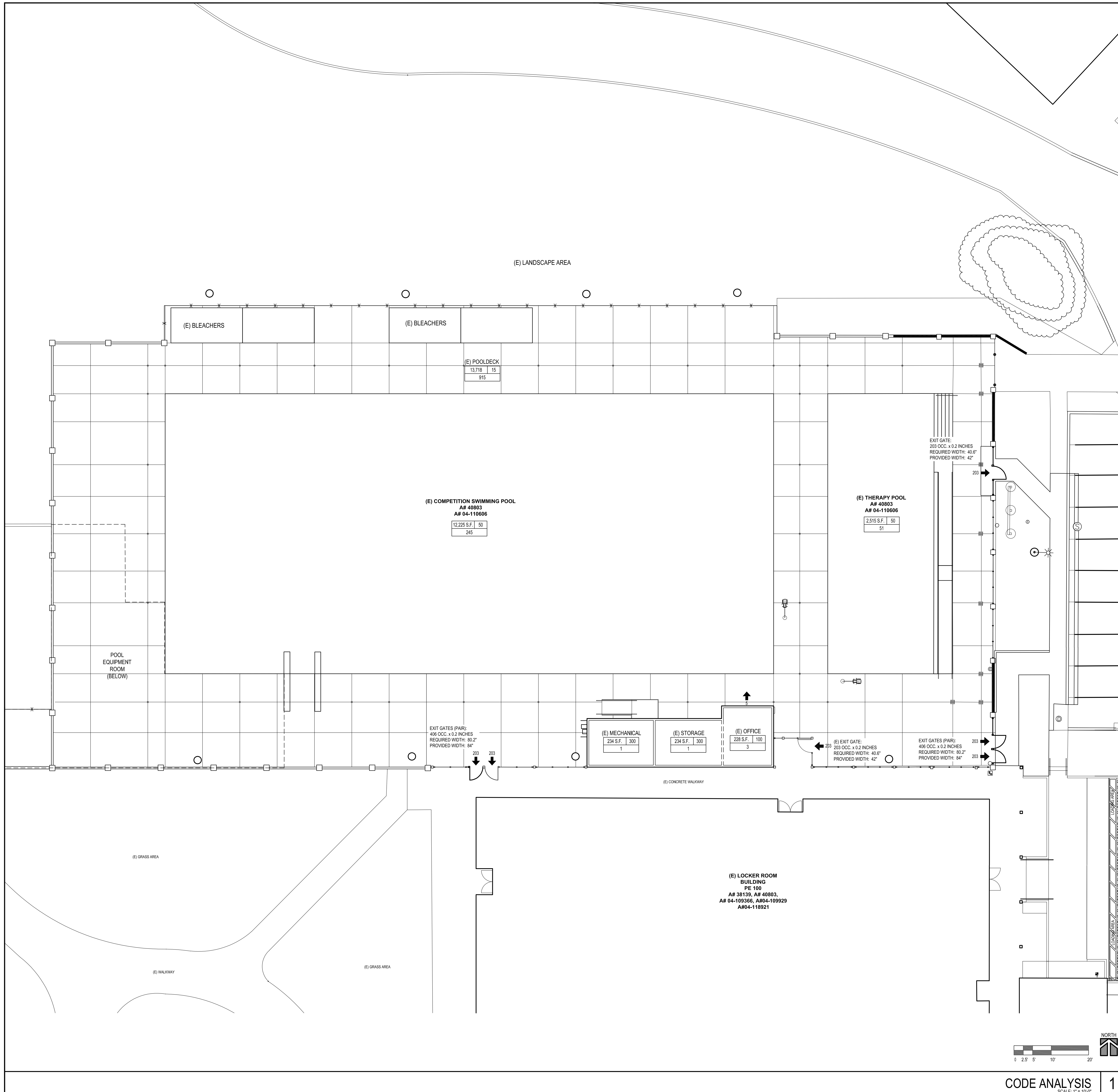
Rev: date: description:

drawing title:
SHEET INDEX AND GENERAL NOTES

drawing no.:
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 drawing 2 of 31

owner

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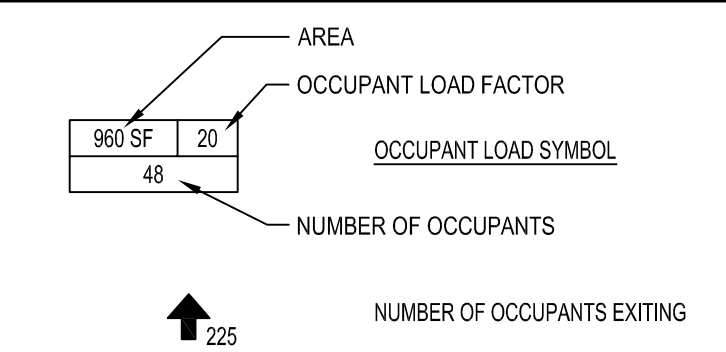
CODE ANALYSIS

ALLOWABLE HEIGHT PER TABLE 504.3 & 504.4	ALLOWABLE	ACTUAL
NUMBER OF STORIES - BUILDING A	3	1
BUILDING HEIGHT - BUILDING A	75'-0"	14'-6"
NUMBER OF STORIES - BUILDING B	3	1
BUILDING HEIGHT - BUILDING B	75'-0"	17'-4"

(E) LOCKER ROOM BUILDING - PE 100	
CONSTRUCTION TYPE	V-4 (NOT SPRINKLERED)
OCCUPANCY GROUPS	B
BASIC ALLOWABLE AREA PER TABLE 506.2	18,000 S.F.
ACTUAL AREA	(E) 15,800 S.F.

POOL EQUIPMENT BUILDING (LOWER LEVEL)	
CONSTRUCTION TYPE	II-B (NOT SPRINKLERED)
OCCUPANCY GROUPS	U
BASIC ALLOWABLE AREA PER TABLE 506.2	8,500 S.F.
ACTUAL BUILDING AREA	(E) 1,638 S.F.

CODE ANALYSIS - LEGEND

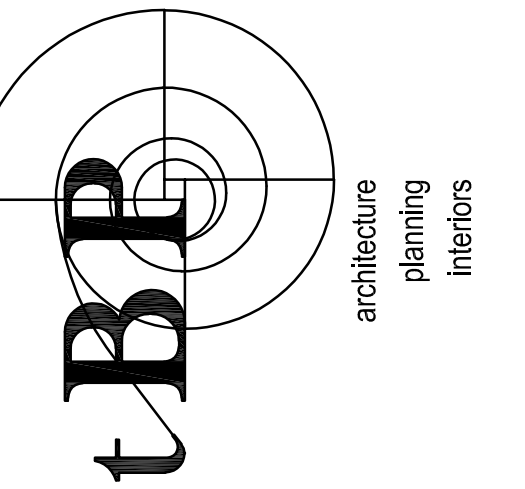


GENERAL NOTES

ALL COMPONENTS NOT INDICATED AS (E) EXISTING ARE NEW CONSTRUCTION.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120421 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/09/2021

A# 04-120421
DIVISION OF THE STATE ARCHITECT
10920 VIA FRONTERA, SUITE 300
SAN DIEGO, CA 92127
PH: 658.674.5400 FX: 658.674.5471



BPP Architecture
4611 Teller Avenue
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PH: 949.673.0300

**SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT**
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

owner
IBP project number: 21057.00
file name: 00T-3_CODE ANALYSIS.DWG
drawn by: checked by:
date: 8/25/2021

Rev: date: description:

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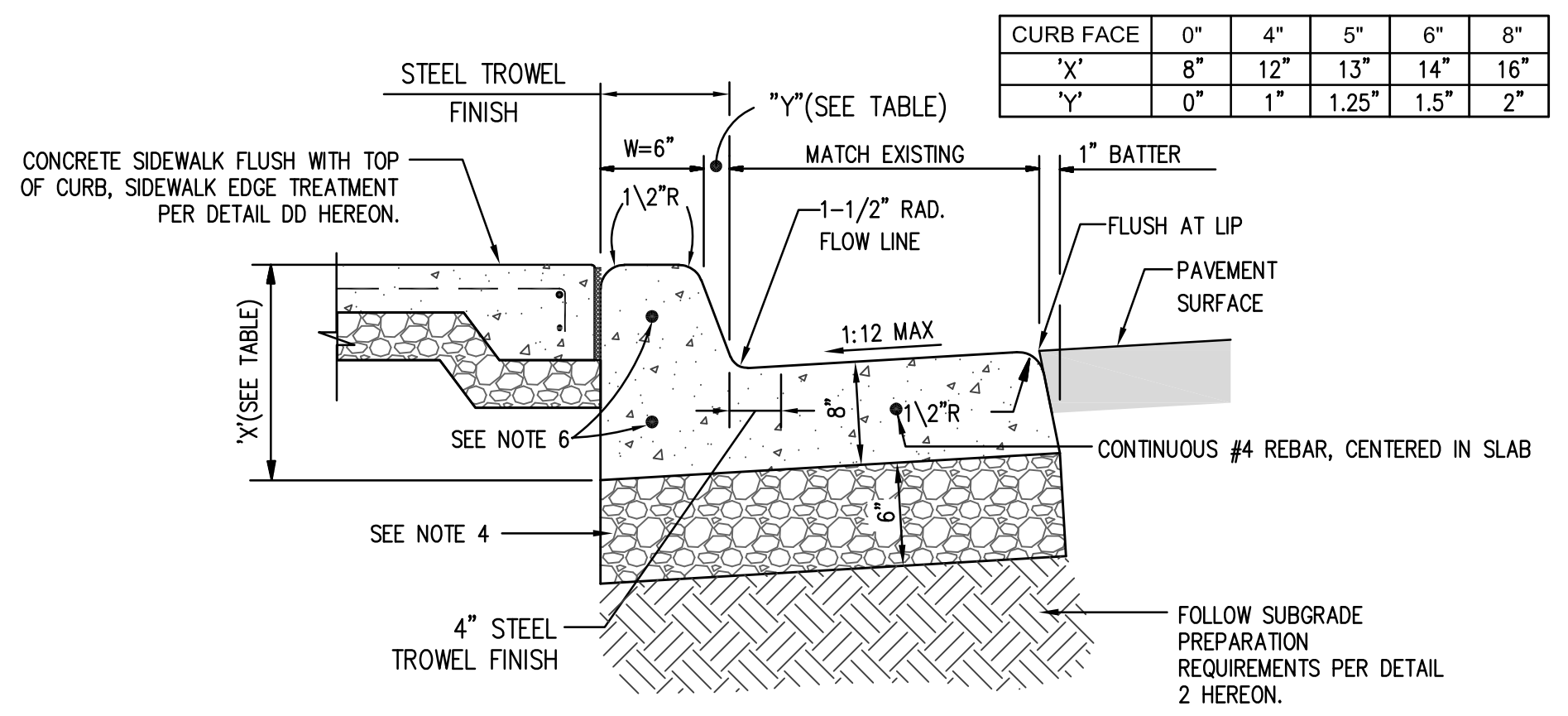
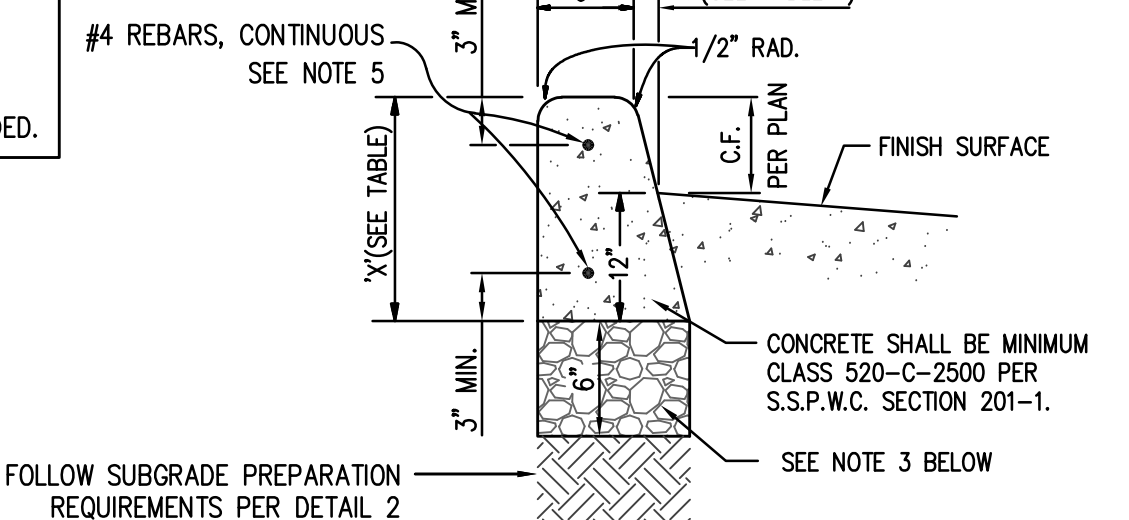
drawing title:
CODE ANALYSIS

drawing no.:
T-3
drawing 3 of 31

LEGEND	
	SEWER MANHOLE
	STORM DRAIN MANHOLE
	TELEPHONE MANHOLE
	FIRE HYDRANT
	SEWER CLEANOUT
	WATER VALVE
	GAS VALVE
	WATER METER
	GAS METER
	WATER VAULT
	GAS VAULT
	TELEPHONE VAULT
	ELECTRIC VAULT
	WELL
	ELECTRIC PULLBOX
	GUY WIRE
	LIGHT
	EXISTING BLOCK WALL
	NEW CONCRETE PAVEMENT
	NEW ASPHALT PAVEMENT
	SIGN POST
	WIRE FENCE
	CHAIN LINK FENCE
	TREE
	FLOW DIRECTION
	FINISHED SURFACE
	FINISHED FLOOR
	FLOW LINE
	CURB FACE
	GRADE BREAK
	HIGH POINT
	INVERT
	BENCHMARK
	EXISTING BUILDING TO REMAIN
	NEW CONCRETE PAVEMENT
	NEW ASPHALT PAVEMENT

- CONSTRUCTION NOTES**
- PROTECT EXISTING IMPROVEMENT IN PLACE.
 - CONSTRUCT CONCRETE PAVEMENT PER DETAIL 2 HEREON.
 - REMOVE MINIMUM 12" WIDE EXISTING ASPHALT PAVEMENT & BASE MATERIAL. REPLACE WITH 8" THICK ASPHALT CONCRETE PAVEMENT, TYPE C2-PG 64-10, OVER 6" THICK 95% RECOMPACTED SUBGRADE. CONTRACTOR SHALL REMOVE EXISTING CONCRETE WHEEL STOPS, SALVAGE & REINSTALL AFTER ASPHALT HAS BEEN INSTALLED FOR A MINIMUM OF 48 HOURS.
 - CONSTRUCT CONCRETE CURB PER DETAIL 4 HEREON.
 - CONSTRUCT CONCRETE CURB AND GUTTER PER DETAIL 5 HEREON.
 - INSTALL NEW TURF TO MATCH EXISTING AND ADJUST IRRIGATION HEADS AS NEEDED.

CURB FACE	0"	2"	4"	5"	6"	8"
"X"	12"	14"	16"	17"	18"	20"
"Y"	0"	0.5"	1"	1.25"	1.5"	2"



NOTE TO CONTRACTOR: BEFORE DEMOLITION OCCURS, THE CONTRACTOR SHALL COMPLETE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE PROJECT SITE TO DETERMINE WERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR.

EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.

CONSTRUCTION STORM WATER NOTE: GRADING WORK ASSOCIATED WITH THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF SOIL AND THUS SHALL NOT BE SUBJECT TO COMPLY WITH THE NPDES STORMWATER CONSTRUCTION GENERAL PERMIT 2009-0009-DWQ.

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

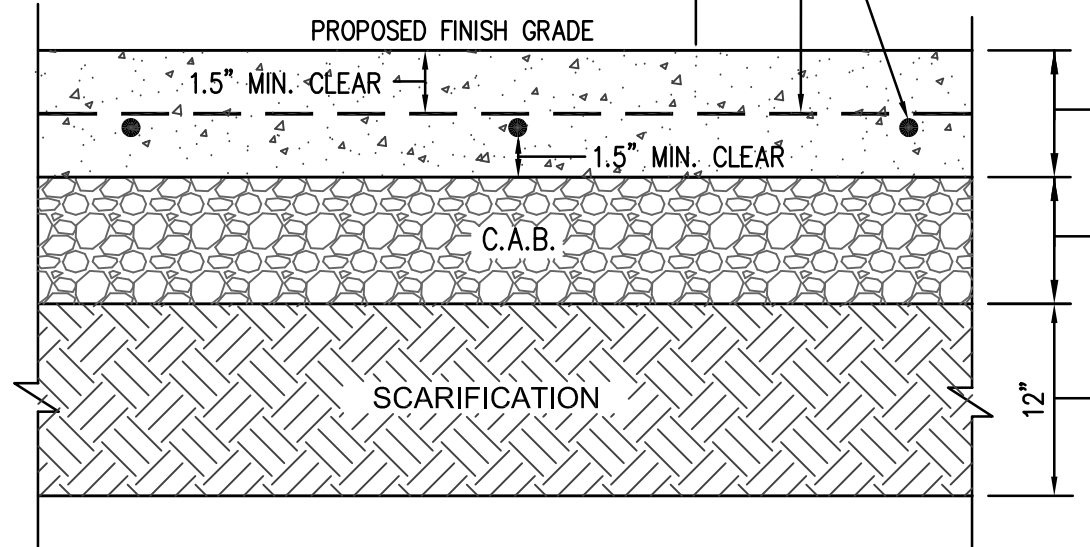
HORIZONTAL CONTROL
A CAD GEOMETRIC ELECTRONIC FILE SHALL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST FOR THE CONTRACTOR'S SURVEYOR TO LAYOUT THE CONSTRUCTION STAKING OF THE PROJECT. THE SURVEYOR OR CONTRACTOR WILL NEED TO SIGN A WAIVER FORM BEFORE RELEASING OF ANY CAD ELECTRONIC DRAWINGS.

TEMPORARY BENCH MARK
FINISH FLOOR OF EXISTING BUILDING AS SHOWN HEREON. ELEVATION 349.17 FEET

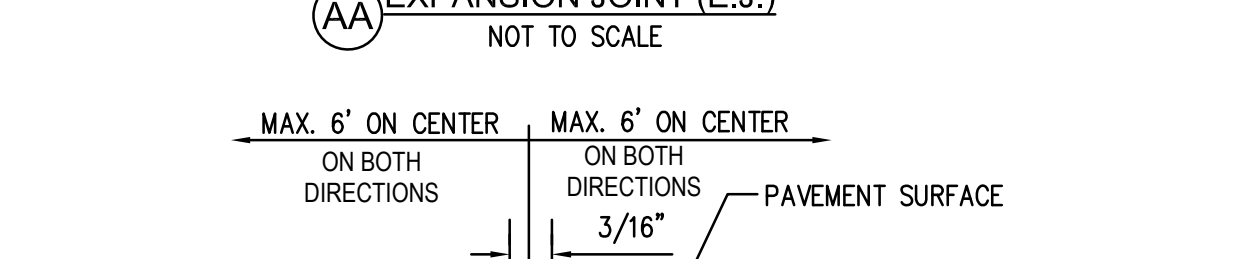
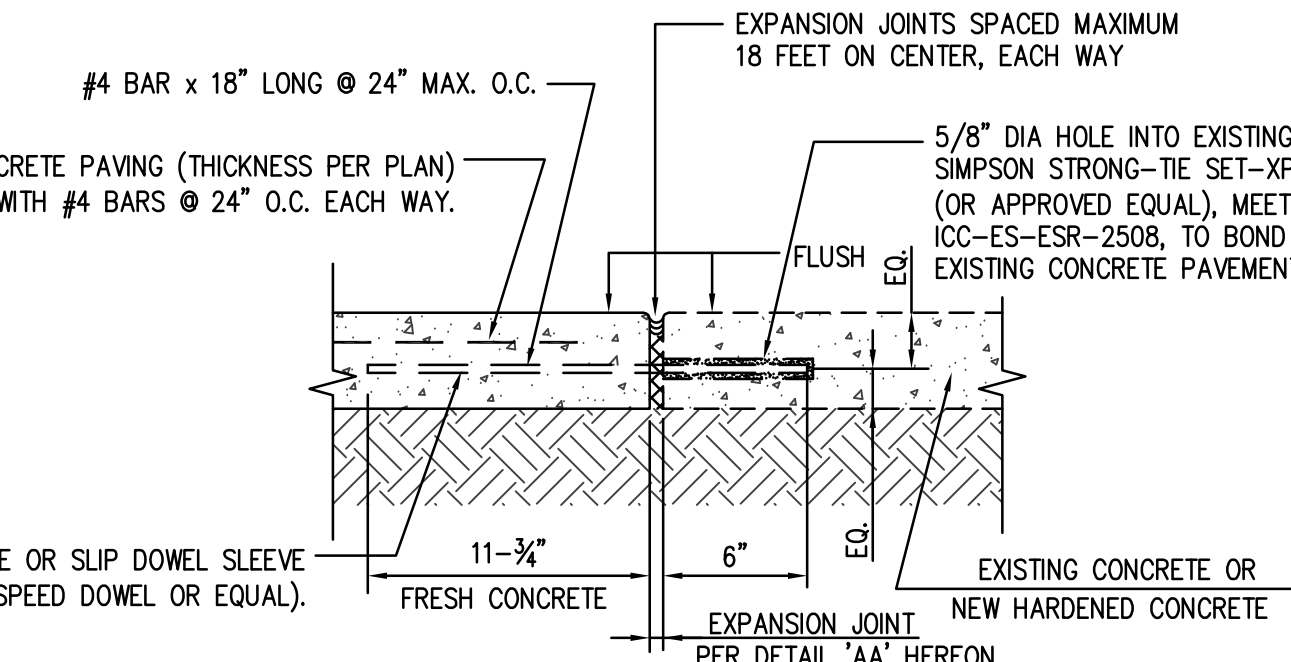
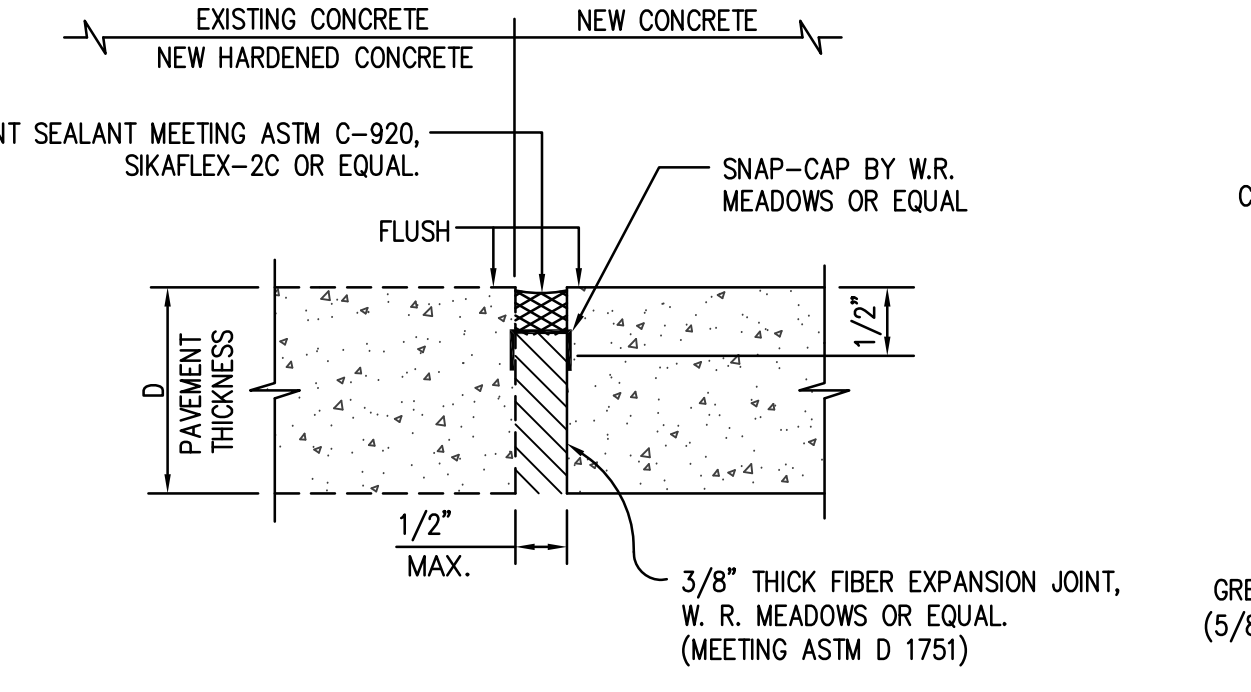
BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 6 GRID, EPOCH 2020.750, LOCALLY DEFINED BY GPS OBSERVATIONS.

PROVIDE MEDIUM BROOM FINISH ON SURFACES UP TO SIX PERCENT SLOPE BY STRIATING SURFACE 1/32 TO 3/64 INCH DEEP WITH A SOFT BRISTLE BROOM ACROSS CONCRETE SURFACE TO PROVIDE A UNIFORM FINE LINE TEXTURE. PROVIDE HEAVY BROOM FINISH ON SURFACES OVER SIX PERCENT BY STRIATING SURFACE 1/16 INCH TO 1/8 INCH DEEP WITH A STIFF-BRISTLED BROOM.

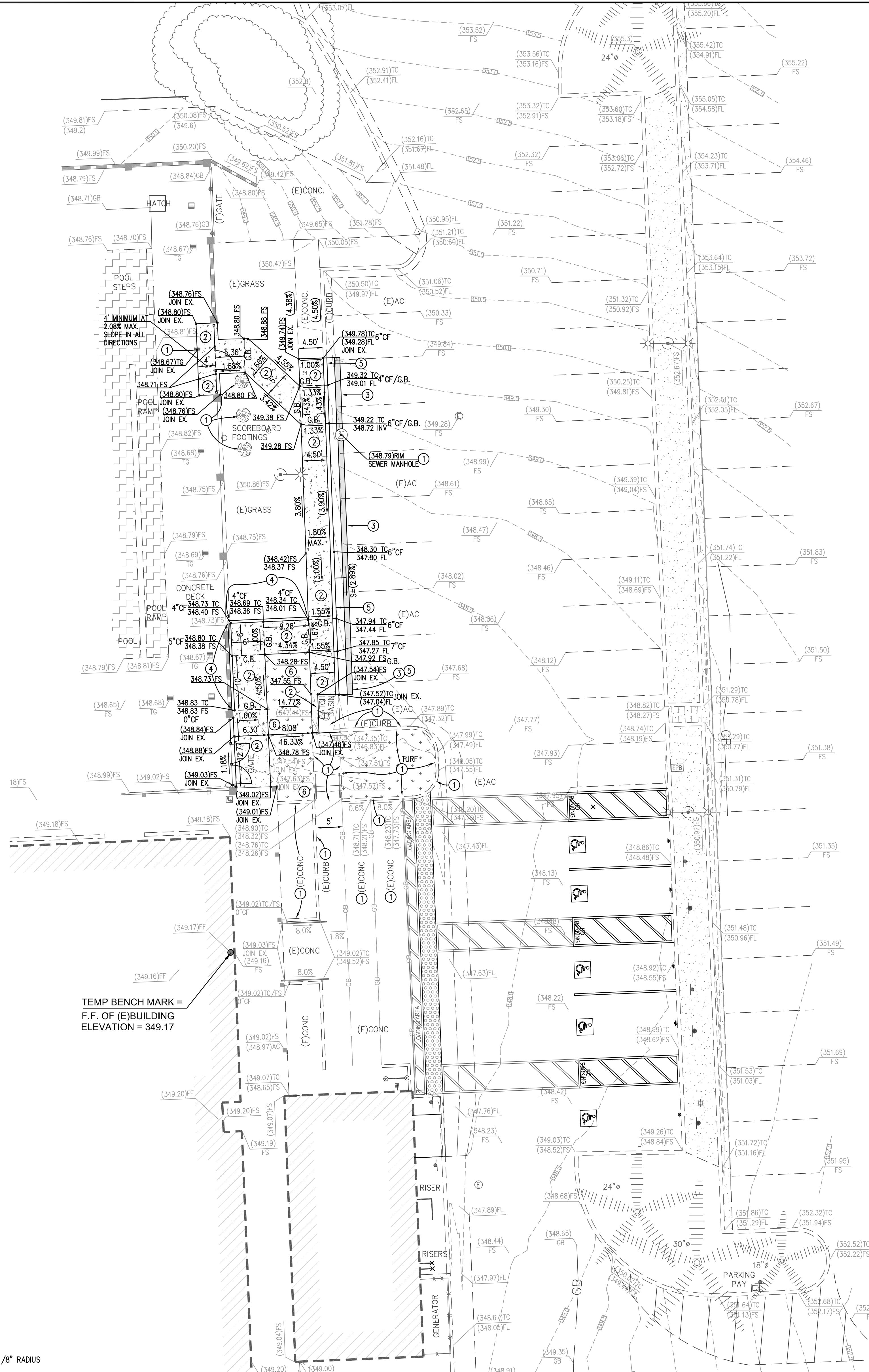
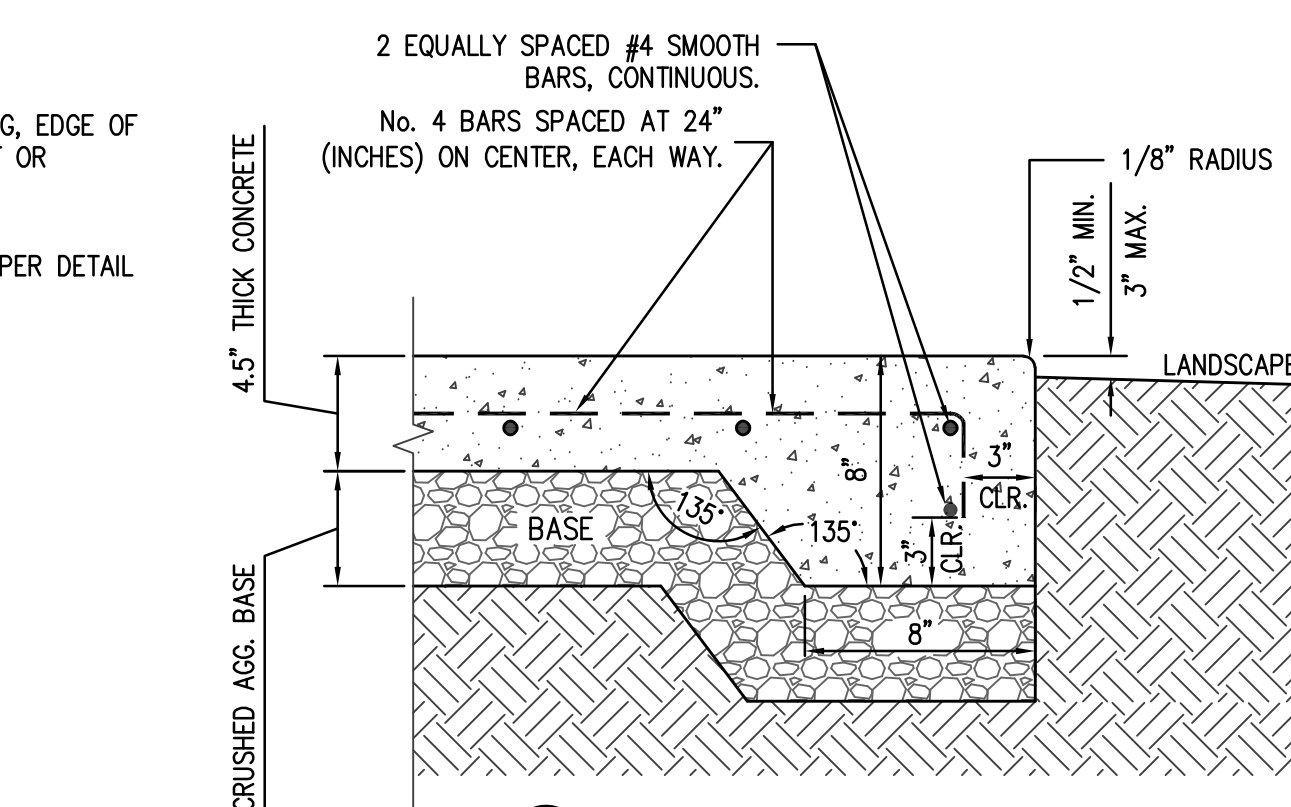
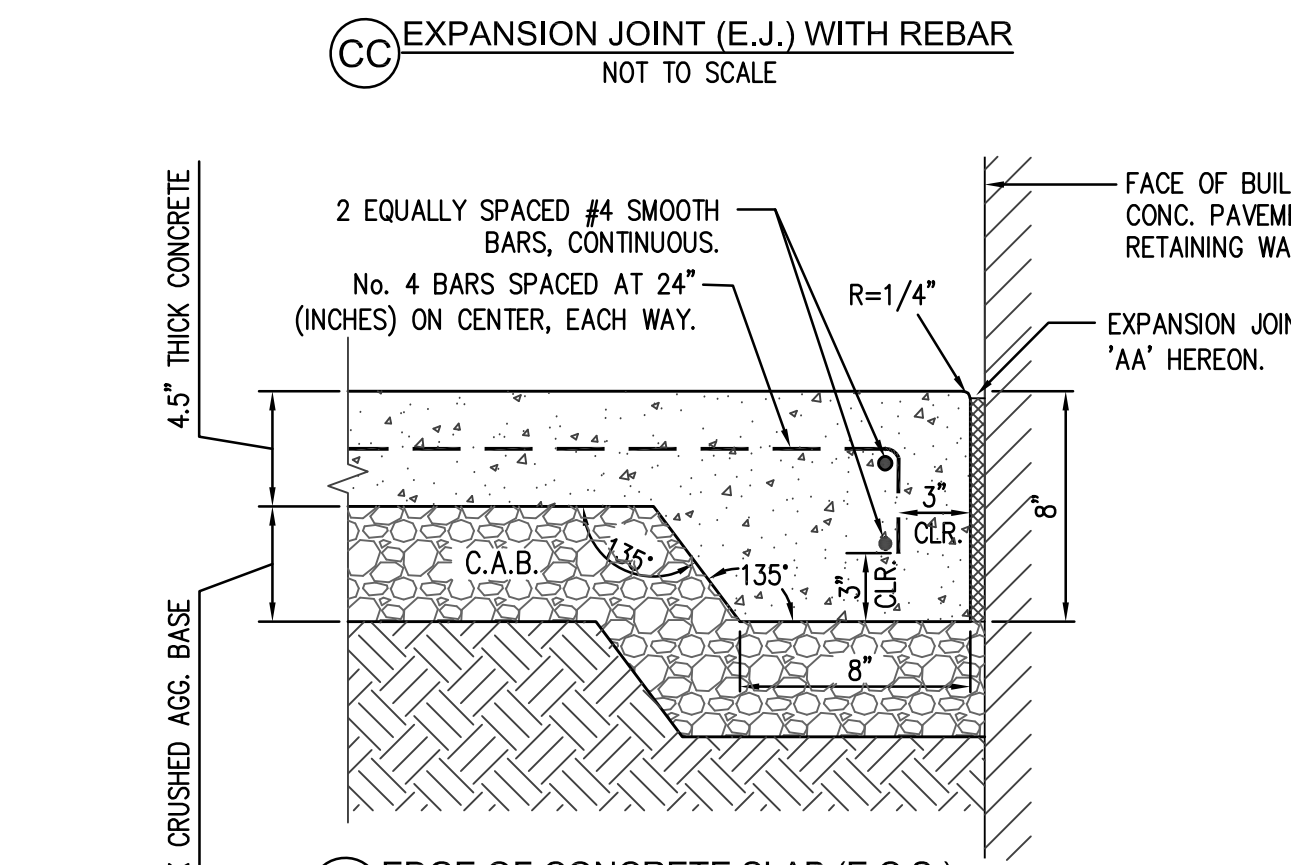
No. 4 BARS SPACED AT 24" ON CENTER, EACH WAY.



NOTE TO CONTRACTOR:
A. THE CONTRACTOR SHALL INSTALL EXPANSION AND CONTROL JOINTS IN CONCRETE FLATWORK AT LOCATIONS NOTED ON THE ARCHITECTURAL PLANS FOLLOWING DETAILS 'AA' THRU 'CC' HEREON. IF JOINT LOCATIONS ARE NOT SHOWN, CONTROL JOINTS SHALL BE CONSTRUCTED EVERY SIX FEET ON CENTER AND EXPANSION JOINTS 18 FEET ON CENTER, EACH WAY.
B. CONTRACTOR SHALL FOLLOW DETAILS 'DD' THRU 'EE' HEREON WHEN CONSTRUCTING CONCRETE FLATWORK EDGE TREATMENTS.

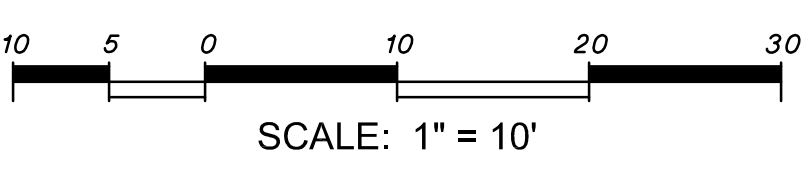


NOTE: 1. VERTICAL CHANGE IN ELEVATION ALONG ACCESSIBLE PATH OF TRAVEL CANNOT EXCEED 1/4" PER CBC 11B-303.2
2. LEVEL CHANGE BETWEEN 1/4"-1/2" MUST BE BEVELED AT 1:2 MAX PER CBC 11B-303.3



NOTE: CONTRACTOR IS REQUIRED TO RESTORE ALL EXISTING IMPROVEMENTS TO THE SAME CONDITION THAT ARE NOT PART OF THIS PROJECT, THAT EXISTED PRIOR TO HIS STARTING CONSTRUCTION.

NOTE: STRAIGHT GRADES SHALL BE CONSTRUCTED BETWEEN SPOT ELEVATIONS OR CONTOURS INDICATED, EXCEPT WHERE GRADE BREAKS INTERVENE.



IDENTIFICATION STAMP
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DATE: 11/09/2021

AF 04-120421
DIVISION OF THE STATE ARCHITECT
10920 VIA FRONTERA, SUITE 300
SAN DIEGO, CA 92127
ph: 858.674.5400
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architect

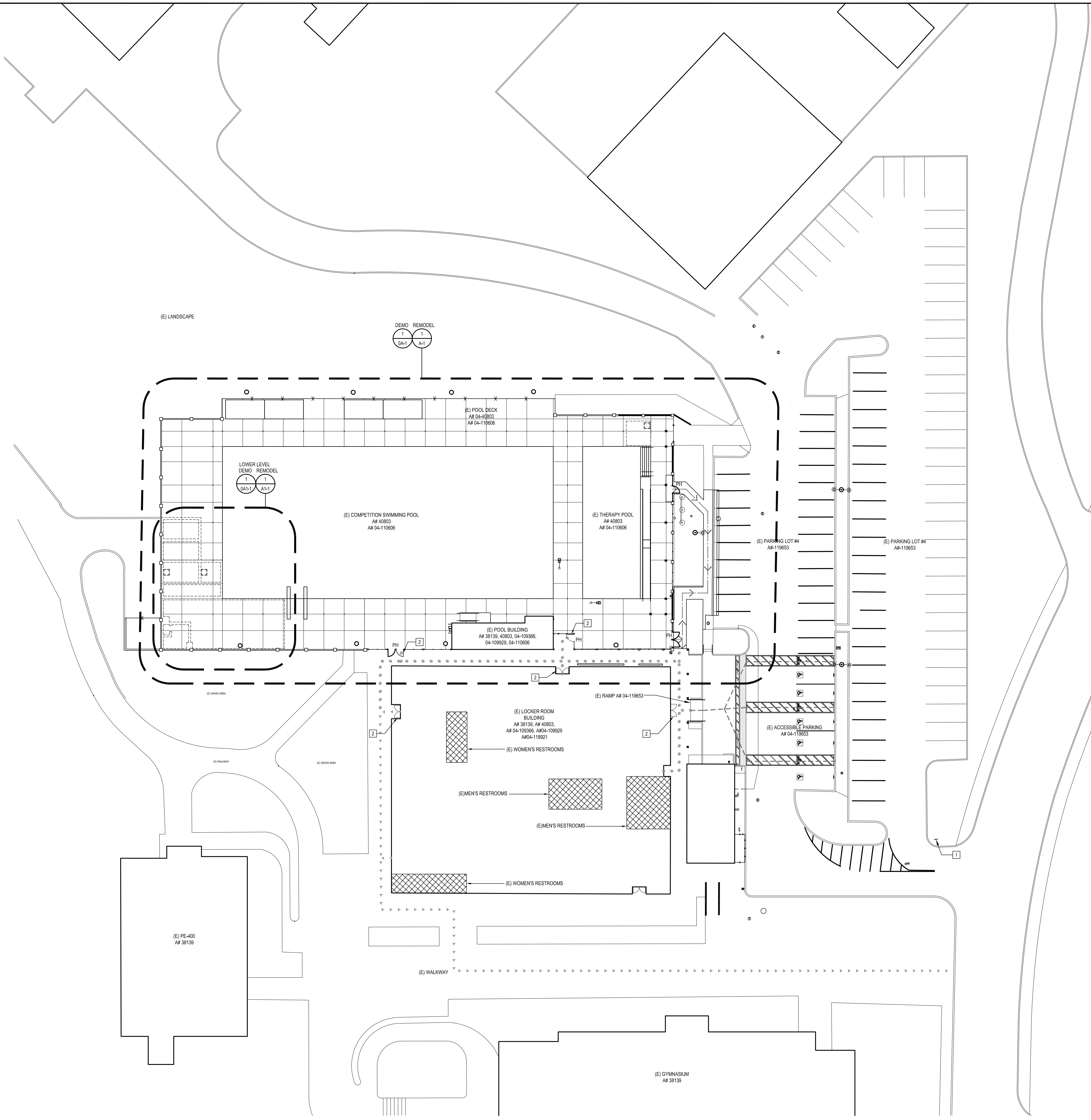
FPL FPL and Associates, Inc.
Traffic - Transportation - Civil
10 Corporate Park, Suite 310
Irvine, CA 92618
PHONE: 949-252-1688

Alan Wing-Chi Lee
ALAN WING-CHI LEE
R.C.E. 34977
EXP. 09-30-2021
consultant

SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT

SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692
owner

BBP project number: 21057.00
file name:
drawn by: checked by:
date: 10/20/2021
Rev. date: description:
drawing title:
PRECISE GRADING PLAN
drawing no.:
C1.0
drawing of #



GENERAL NOTES

ALL COMPONENTS NOT INDICATED AS (E) EXISTING ARE NEW CONSTRUCTION

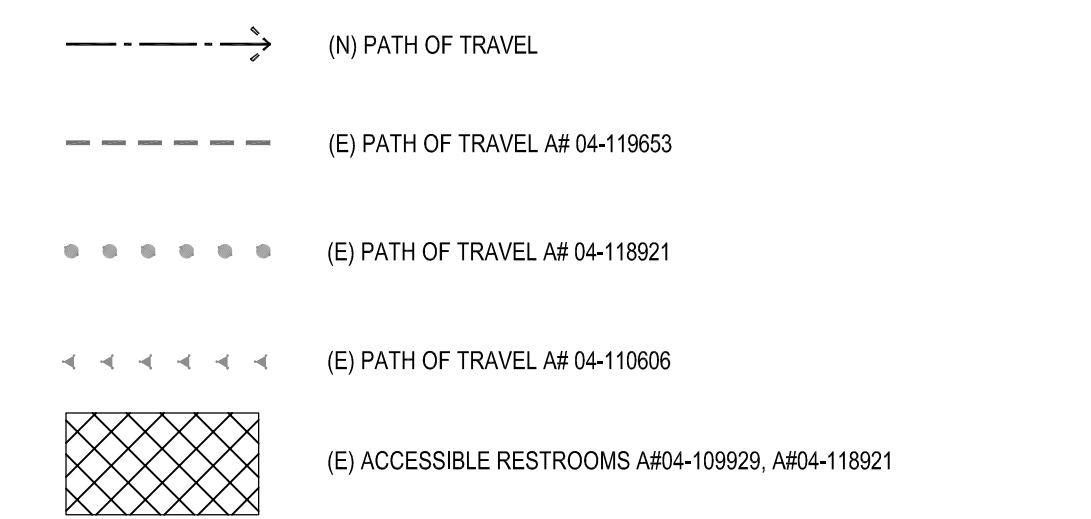
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SITE PLAN LEGEND

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

- PATH OF TRAVEL (P.O.T.) AS VERIFIED BY ARCHITECT IS:
- A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.
 - THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH.
 - PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART.
 - CONTINUOUS GRADIENTS HAVE 80' LEVEL AREAS NOT MORE THAN 400' APART.
 - CROSS-SLOPE DOES NOT EXCEED 2%.
 - SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED AS A RAMP.
 - MAINTAIN POT FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM. PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 2" ABOVE FINISH GRADE.

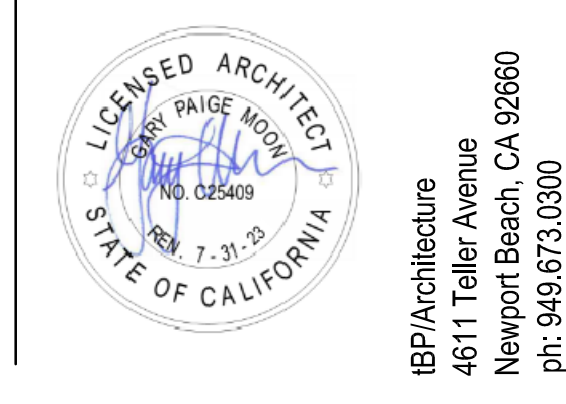
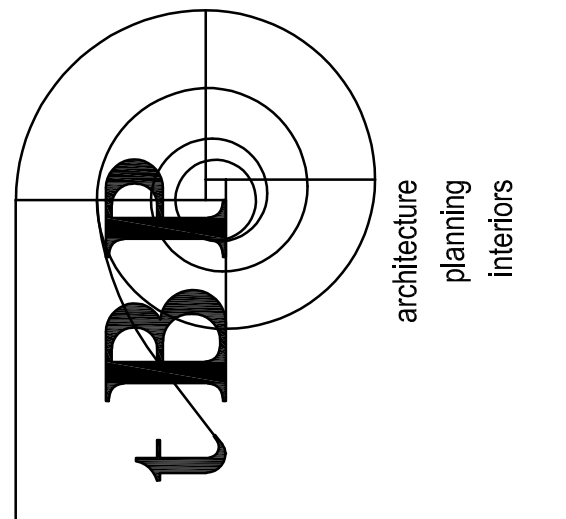


KEYNOTES

- 1 REMOVED AND REPLACE (E) TOW AWAY SIGN - SEE DETAIL 1/2.00
- 2 ADJUST (E) DOOR/GATE OPENING FORCE TO 5 LB MAX.

APP: 04-120421 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/09/2021

AF 04 - 120421
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BBP Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 PH: 949.673.0300

**SADDLEBACK COLLEGE
 SWIMMING POOL REFURBISHMENT**

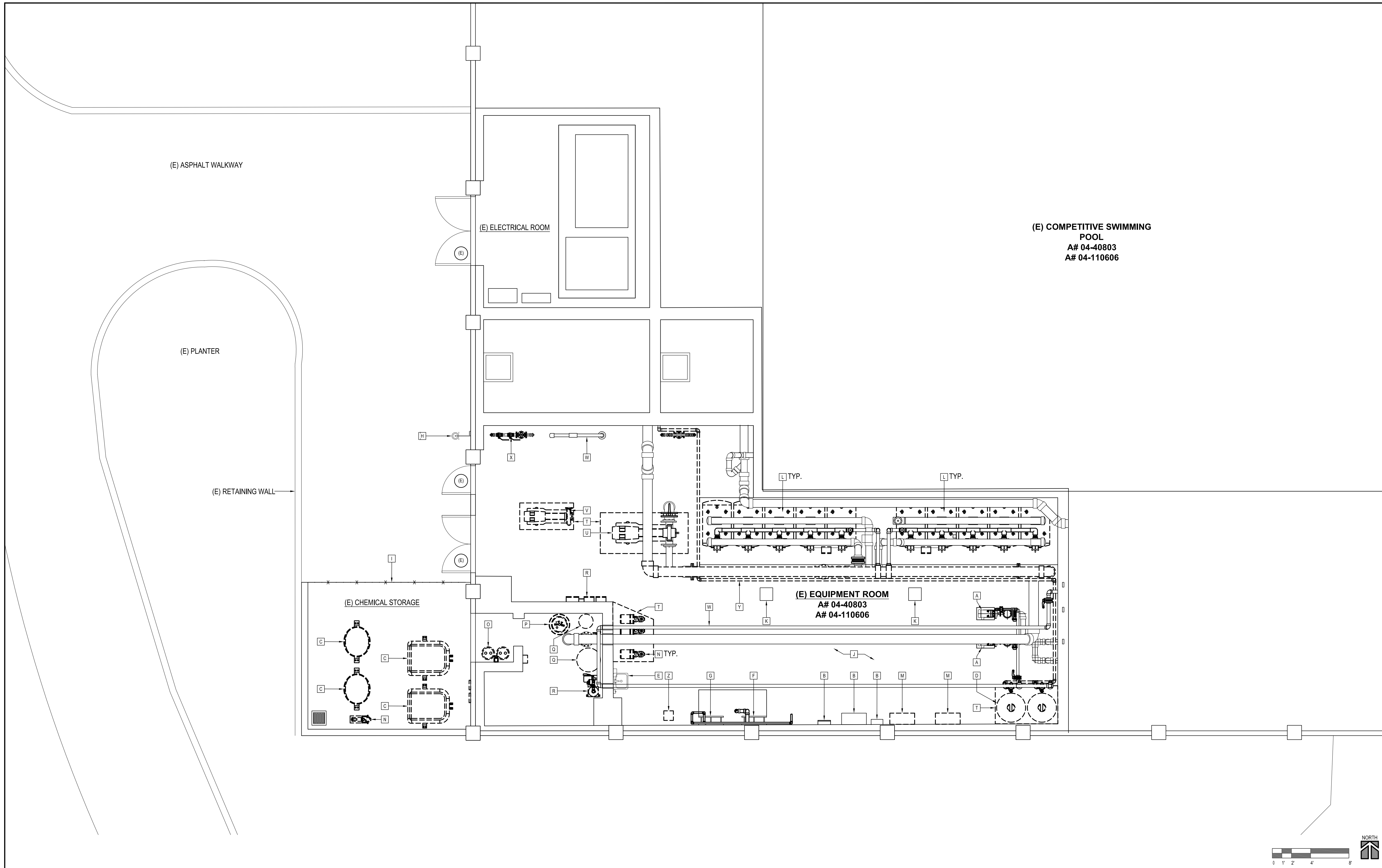
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
 28000 MARGUERITE PKWY
 MISSION VIEJO, CA 92692

IBP project number :	21057.00
file name:	04S-2_Enlarged Site Plan.dwg
drawn by:	JG
checked by:	
date:	8/25/2021
Rev:	date: description:

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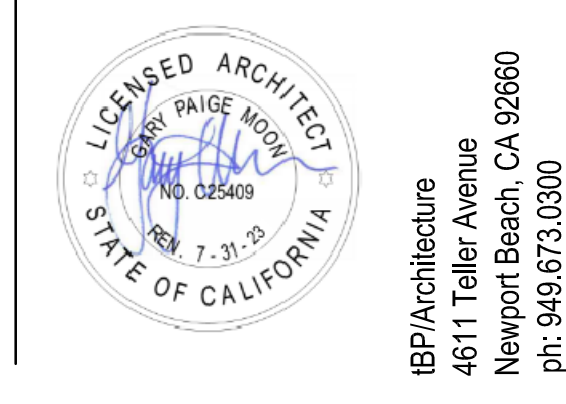
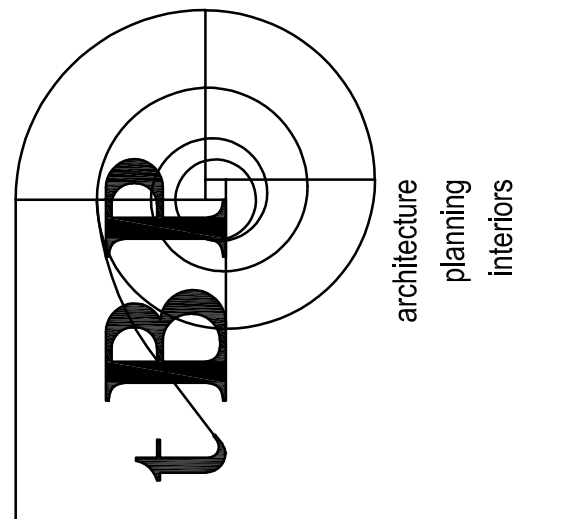
drawing title:
**ENLARGED
 SITE PLAN**

drawing no.:
AS-2
 drawing 6 of 31



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A# 04-120421
 DIVISION OF THE STATE ARCHITECT
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**SADDLEBACK COLLEGE
 SWIMMING POOL REFURBISHMENT**
 SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
 28000 MARGUERITE PKWY
 MISSION VIEJO, CA 92692

tBP project number: 21057.00

file name: 0A1-1 DEMO LOWER LEVEL

drawn by: JG checked by:

date: 8/25/2021

Rev: date: description:

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drawing title:
**DEMO PLAN
 LOWER LEVEL**

drawing no.:
0A1-1

drawing 7 of 31

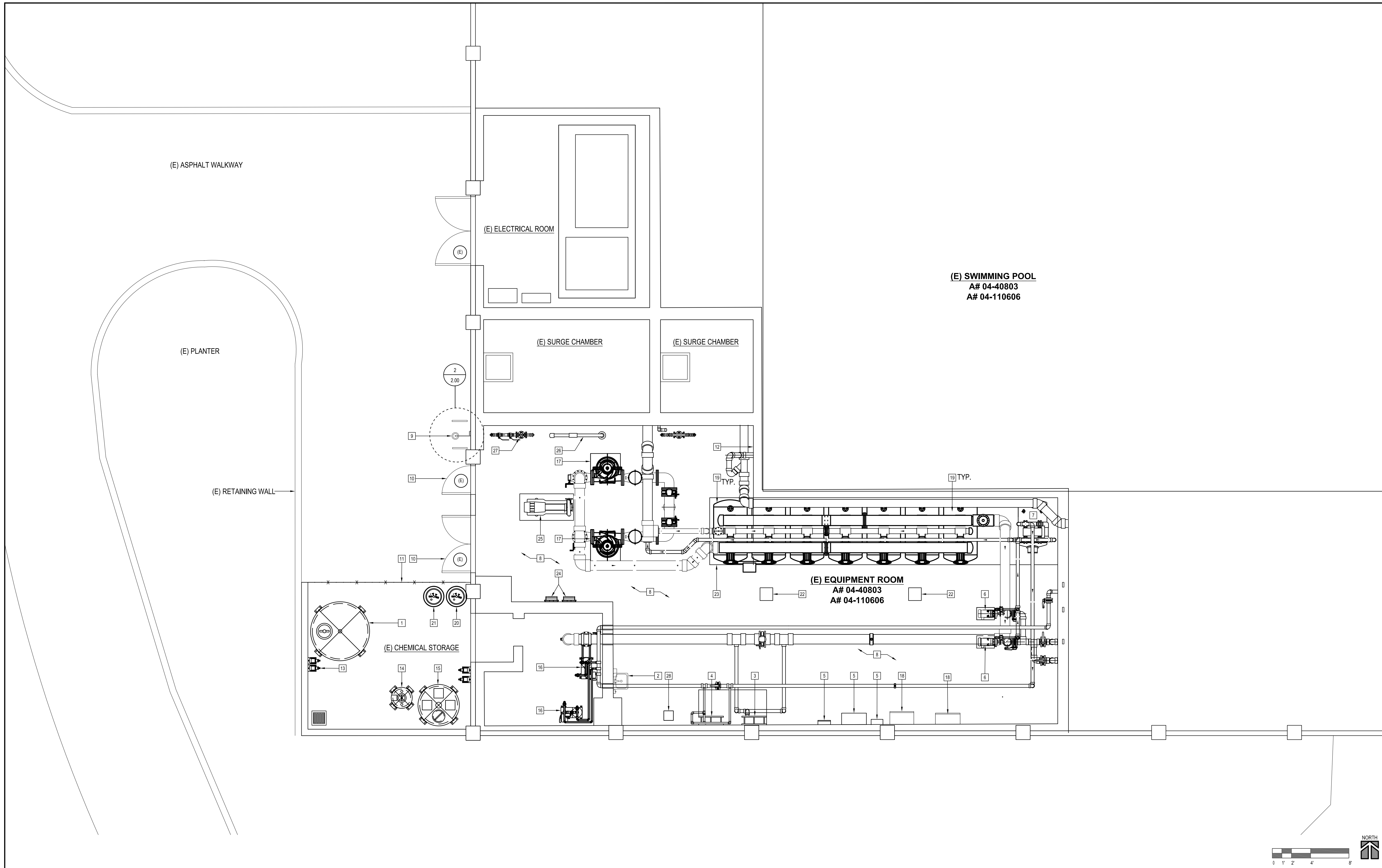
DEMO PLAN LOWER LEVEL
 SCALE: 1/4" = 1'-0"

GENERAL NOTES

- SEE POOL DRAWINGS FOR ADDITIONAL INFORMATION.
- NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
- ALL COMPONENTS NOT INDICATED AS (E) EXISTING ARE NEW CONSTRUCTION.

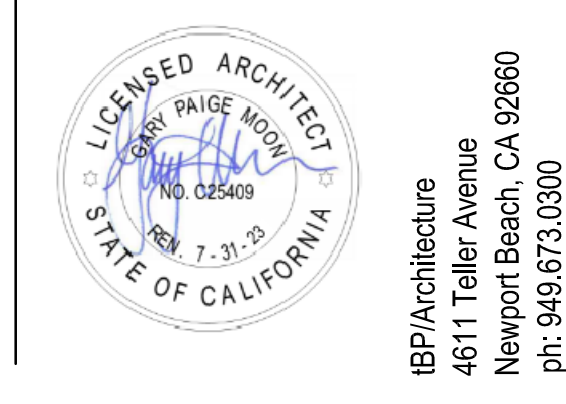
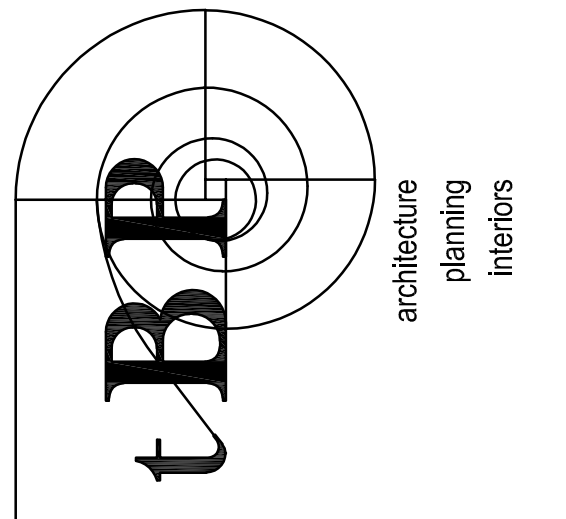
KEYNOTES

- [A] (E) CIRCULATION TO REMAIN
- [B] (E) ELECTRICAL PANEL TO REMAIN
- [C] (E) POOL PULSAR SYSTEMS TO BE REMOVED - SEE POOL DRAWINGS
- [D] (E) FILTER SYSTEM TO BE REMOVED
- [E] (E) HAND SINK TO REMAIN
- [F] (E) POOL HEAT EXCHANGER TO REMAIN
- [G] (E) THERAPY POOL HEAT EXCHANGER TO REMAIN
- [H] (E) EMERGENCY EYEWASH SHOWER TO BE REPLACED - SEE SPECS
- [I] (E) CHAIN LINK FENCE AND GATE
- [J] DEMOLITION IN EQUIPMENT ROOM PER SHEET MR.1
- [K] (E) COLUMN, PROTECT IN PLACE
- [L] (E) FILTERS TO BE REMOVED - SEE POOL DRAWINGS
- [M] (E) SMART CONTROL SYSTEM TO BE REMOVED - SEE POOL DRAWINGS
- [N] (E) BOOSTER PUMP TO BE REMOVED - SEE POOL DRAWINGS
- [O] (E) ACID CARBOYS AND PUMP TO BE REMOVED - SEE POOL DRAWINGS
- [P] RELOCATE (E) TANK - SEE POOL DRAWINGS
- [Q] (E) TANK TO BE REMOVED - SEE POOL DRAWINGS
- [R] (E) FEED SYSTEM TO BE REMOVED - SEE POOL DRAWINGS
- [S] (E) CONTROLLERS TO BE REMOVED - SEE POOL DRAWINGS
- [T] (E) CONCRETE PAD TO BE REMOVED
- [U] (E) CIRCULATION PUMP TO BE REMOVED - SEE POOL DRAWINGS
- [V] RELOCATE (E) PUMP - SEE POOL DRAWINGS
- [W] (E) PIPING TO REMAIN - SEE POOL DRAWINGS
- [X] (E) MANIFOLD TO REMAIN - SEE POOL DRAWINGS
- [Y] (E) PIPING TO BE REMOVED - SEE POOL DRAWINGS
- [Z] (E) FLOOR SINK TO BE REPLACED - LIKE IN KIND



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 DIV. OF THE STATE ARCHITECT
 APP: 04-120421 INC.
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 DIVISION OF THE STATE ARCHITECT
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**SADDLEBACK COLLEGE
 SWIMMING POOL REFURBISHMENT**
 SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
 28000 MARGUERITE PKWY
 MISSION VIEJO, CA 92692

tBP project number: 21057.00

file name: 04-1-1 REMODEL LOWER LEVEL

drawn by: JG checked by:

date: 8/25/2021

Rev: date: description:

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drawing title:
**REMODEL PLAN
 LOWER LEVEL**

drawing no.:
A1-1

drawing 8 of 31

REMODEL PLAN LOWER LEVEL

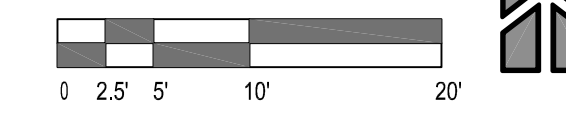
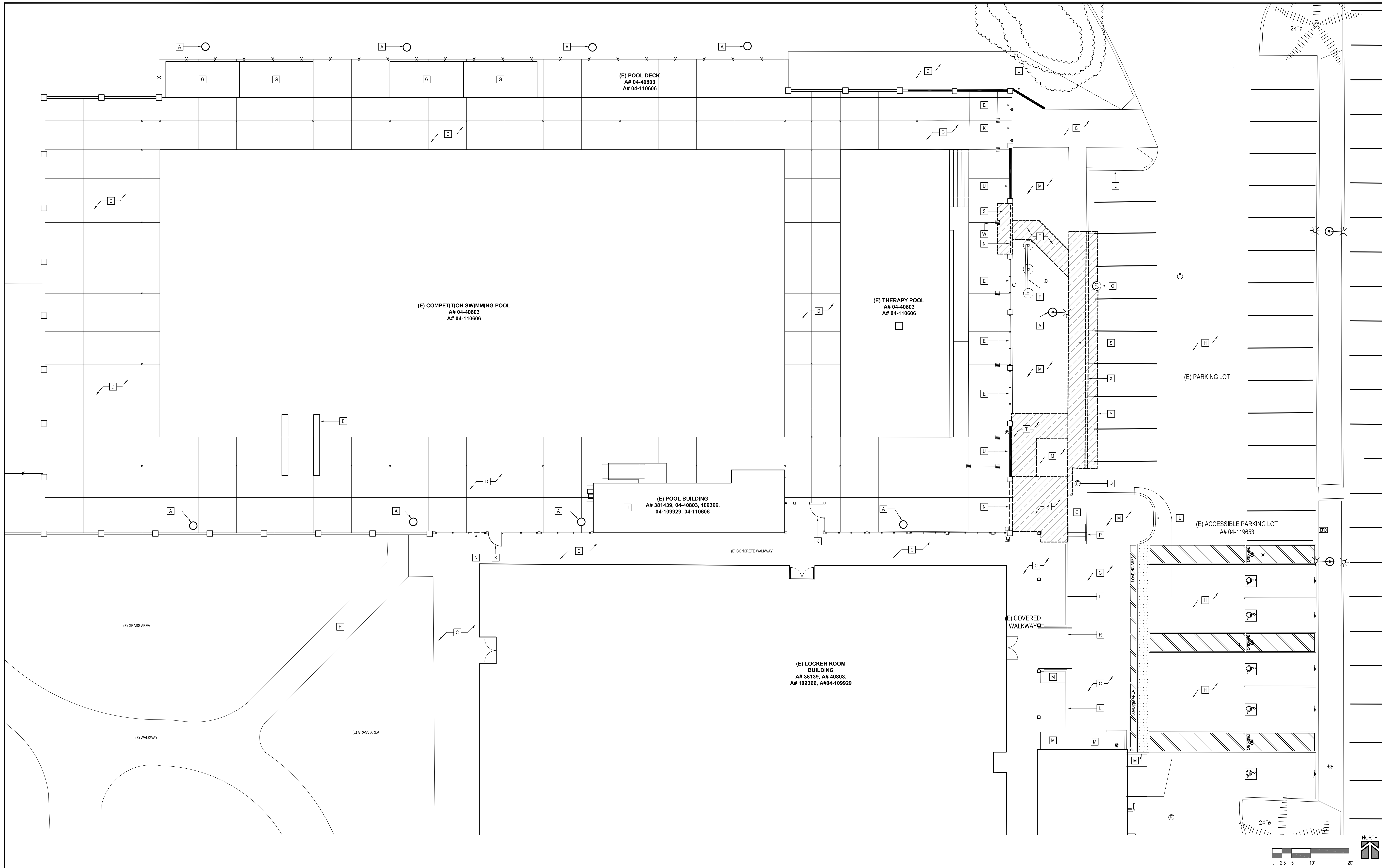
GENERAL NOTES

1. PATCH AND REPAIR ALL (E) INTERIOR WALLS AND PREP FOR (N) PAINT.
2. PATCH, REPAIR, AND GRIND SMOOTH THE (E) CONCRETE SLAB AND PREP FOR (N) EPOXY FLOORING.
3. REMOVE AND REINSTALL ALL EQUIPMENT AND PIPING AS REQUIRED FOR (N) EPOXY FLOORING INSTALLATION.
4. SEE POOL DRAWINGS FOR ADDITIONAL INFORMATION.
5. ALL COMPONENTS NOT INDICATED AS (E) EXISTING ARE NEW CONSTRUCTION.

KEYNOTES

- 1 1000 GALLON CHLORINE STORAGE TANK - SEE POOL DRAWINGS
- 2 (E) HAND SINK TO REMAIN
- 3 (E) COMPETITION POOL HEAT EXCHANGER TO REMAIN
- 4 (E) THERAPY POOL HEAT EXCHANGER TO REMAIN
- 5 (E) ELECTRICAL PANEL TO REMAIN
- 6 (E) CONTROL PUMPS TO REMAIN
- 7 THERAPY POOL FILTER - SEE POOL DRAWINGS
- 8 EPOXY FLOORING - SEE SPECS AND DETAIL 202.02
- 9 EYEWASH - SEE SPECS
- 10 (E) DOOR TO REMAIN
- 11 (E) CHAINLINK FENCE
- 12 PATCH AND REPAIR THE (E) WALL INFILL & PAINT
- 13 FEED PUMPS - SEE POOL DRAWINGS
- 14 60 GALLON ACID VAPOR RECOVERY TANK - SEE POOL DRAWINGS
- 15 350 GALLON ACID STORAGE TANK - SEE POOL DRAWINGS

- 16 CO2 FEED SYSTEM - SEE POOL DRAWINGS
- 17 COMPETITION POOL CIRCULATION PUMP - SEE POOL DRAWINGS
- 18 SMART PUMP CONTROL SYSTEM - SEE POOL DRAWINGS
- 19 COMPETITION POOL FILTER - SEE POOL DRAWINGS
- 20 RELOCATED CO2 TANK - SEE POOL DRAWINGS
- 21 CO2 TANK - SEE POOL DRAWINGS
- 22 (E) COLUMN - PROTECT IN PLACE
- 23 CONCRETE PAD - SEE POOL DRAWINGS
- 24 WATER CONTROLLERS - SEE POOL DRAWINGS
- 25 RELOCATED (E) PUMP AND CONCRETE PAD
- 26 (E) PIPING TO REMAIN
- 27 (E) MANIFOLD TO REMAIN
- 28 FLOOR SINK - SEE DETAIL 19/2.02



DEMO PLAN UPPER LEVEL 1
SCALE: 1" = 10'-0"

GENERAL NOTES

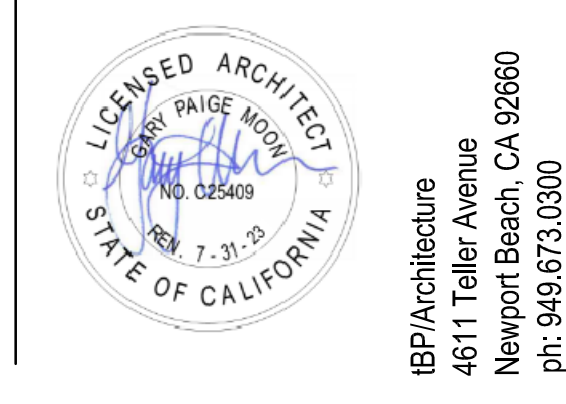
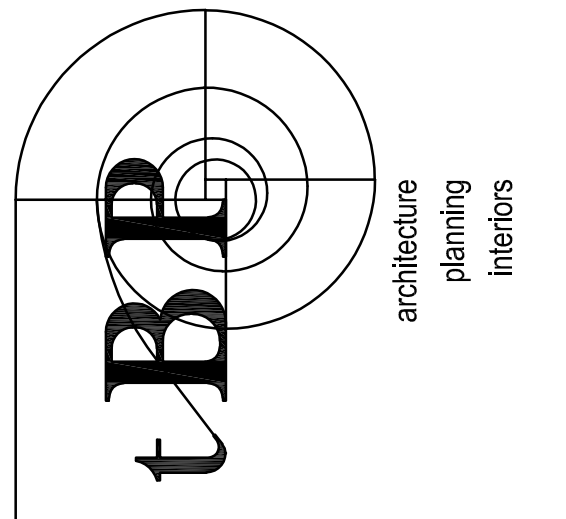
- NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
- ALL COMPONENTS NOT INDICATED AS (E) EXISTING ARE NEW CONSTRUCTION.

KEYNOTES

- A (E) CONCRETE FOOTING FOR LIGHTING FIXTURE TO REMAIN, PROTECT IN PLACE.
- B (E) DIVING PLATFORMS TO REMAIN, PROTECT IN PLACE
- C (E) CONCRETE WALKWAY, PROTECT IN PLACE
- D (E) CONCRETE POOL DECK TO REMAIN, PROTECT IN PLACE
- E (E) FENCE TO REMAIN - PROTECT IN PLACE
- F (E) SCOREBOARD AND FOOTINGS TO REMAIN, PROTECT IN PLACE
- G (E) BLEACHERS TO REMAIN, PROTECT IN PLACE
- H (E) AC PAVING TO REMAIN, PROTECT IN PLACE
- I REPAIR AND REPLASTER (E) THERAPY POOL AS PER SP.1
- J (E) BUILDING TO REMAIN, PROTECT IN PLACE
- K (E) GATE TO REMAIN
- L (E) CONCRETE CURB TO REMAIN
- M (E) LANDSCAPE TO REMAIN
- N REMOVE (E) FENCE
- O (E) SEWER TO REMAIN - PROTECT IN PLACE
- P (E) STAIRS AND HANDRAILS TO REMAIN - PROTECT IN PLACE
- Q (E) CATCH BASIN - PROTECT IN PLACE
- R (E) RAMP TO REMAIN - PROTECT IN PLACE
- S DEMO PORTION OF (E) CONCRETE WALK
- T REMOVE PORTION OF (E) LANDSCAPE
- U (E) WALL TO REMAIN - PROTECT IN PLACE
- V (E) COLUMN TO REMAIN - PROTECT IN PLACE
- W (E) DRAIN TO REMAIN - PROTECT IN PLACE
- X DEMO (E) CONCRETE CURB
- Y DEMO (E) AC PAVING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-120421 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/09/2021

A# 04-120421
DIVISION OF THE STATE ARCHITECT
10920 VIA FRONTERA, SUITE 300
SAN DIEGO, CA 92127
ph: 858.674.5400 fx: 858.674.5471



JBPP Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300
architect
consultant

**SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT**
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692
owner

IBPP project number: 21057.00

file name: 0A-1 DEMO UPPER LEVEL

drawn by: JG checked by:

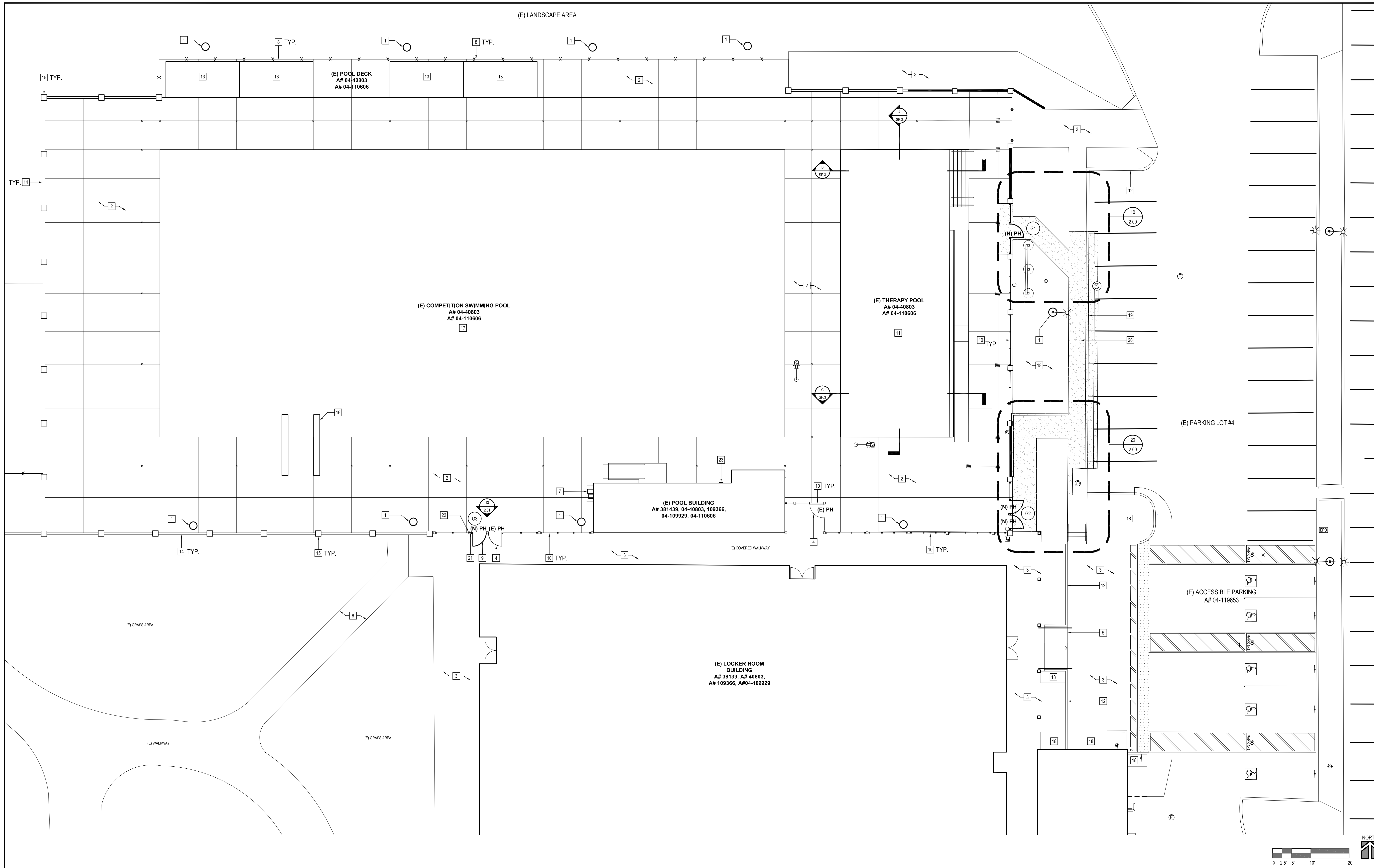
date: 10/26/2021

Rev:	date:	description:

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drawing title:
**DEMO PLAN
UPPER LEVEL**

drawing no.:
0A-1
drawing 9 of 31



REMODEL PLAN UPPER LEVEL
SCALE: 1" = 10'-0"

GENERAL NOTES

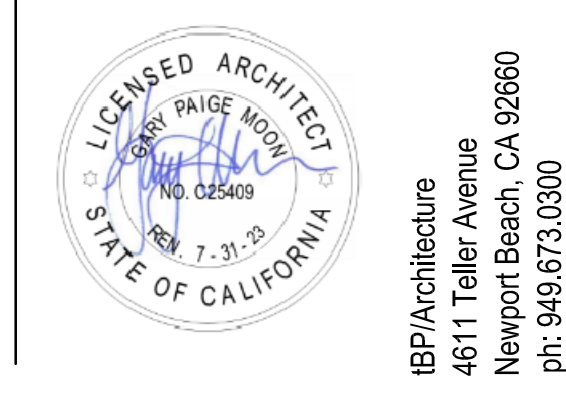
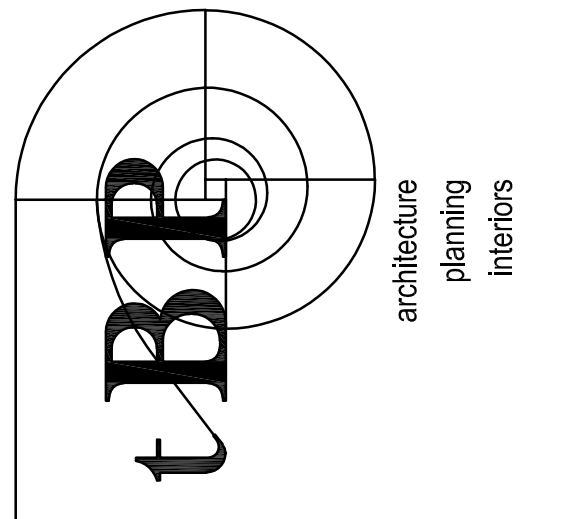
ALL COMPONENTS NOT INDICATED AS (E) ARE NEW CONSTRUCTION.

KEYNOTES

- | | |
|---|---|
| 1 (E) LIGHTING FIXTURE - SEE ELECTRICAL DWGS. | 16 (E) DIVING PLATFORMS TO REMAIN |
| 2 (E) POOL DECK - PROTECT IN PLACE | 17 (E) COMPETITION SWIMMING POOL - PROTECT IN PLACE |
| 3 (E) CONCRETE WALKWAY TO REMAIN | 18 (E) LANDSCAPE |
| 4 (E) EXIT GATE TO REMAIN - A # 04-110606 | 19 CURB AND GUTTER - SEE 5/C1.0 |
| 5 (E) RAMP - PROTECT IN PLACE | 20 CONCRETE SIDE WALK PER CIVIL DRAWINGS |
| 6 (E) ASPHALT WALKWAY | 21 ORNAMENTAL FENCE - SEE DETAIL 18/2.01 |
| 7 (E) ACCESSIBLE DRINKING FOUNTAIN (A#04-110606) | 22 EXIT SIGNAGE - SEE DETAIL 6/2.02 |
| 8 (E) CHAINLINK FENCE | 23 ASSISTIVE LISTENING SIGN - SEE DETAIL 12/2.02 |
| 9 3'-6" WIDE ORNAMENTAL GATES - SEE DETAIL 10/2.01 SIM. | 24 CONCRETE CURB - SEE 4/C1.0 |
| 10 (E) ORNAMENTAL FENCE TO REMAIN | |
| 11 (E) THERAPY POOL - SEE POOL SHEETS SP.1 & SP.2 | |
| 12 (E) CONCRETE CURB TO REMAIN | |
| 13 (E) BLEACHERS TO REMAIN - NOT A PART OF DSA APPROVAL | |
| 14 (E) WALL TO REMAIN | |
| 15 (E) CMU COLUMN TO REMAIN | |

IDENTIFICATION STAMP
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DATE: 11/09/2021

A# 04-120421
DIVISION OF THE STATE ARCHITECT
10920 VIA FRONTERA, SUITE 300
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**SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT**
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

owner

IBP project number: 21057.00

file name: A-1 REMODEL UPPER LEVEL

drawn by: checked by:

date: 10/26/2021

Rev: date: description:

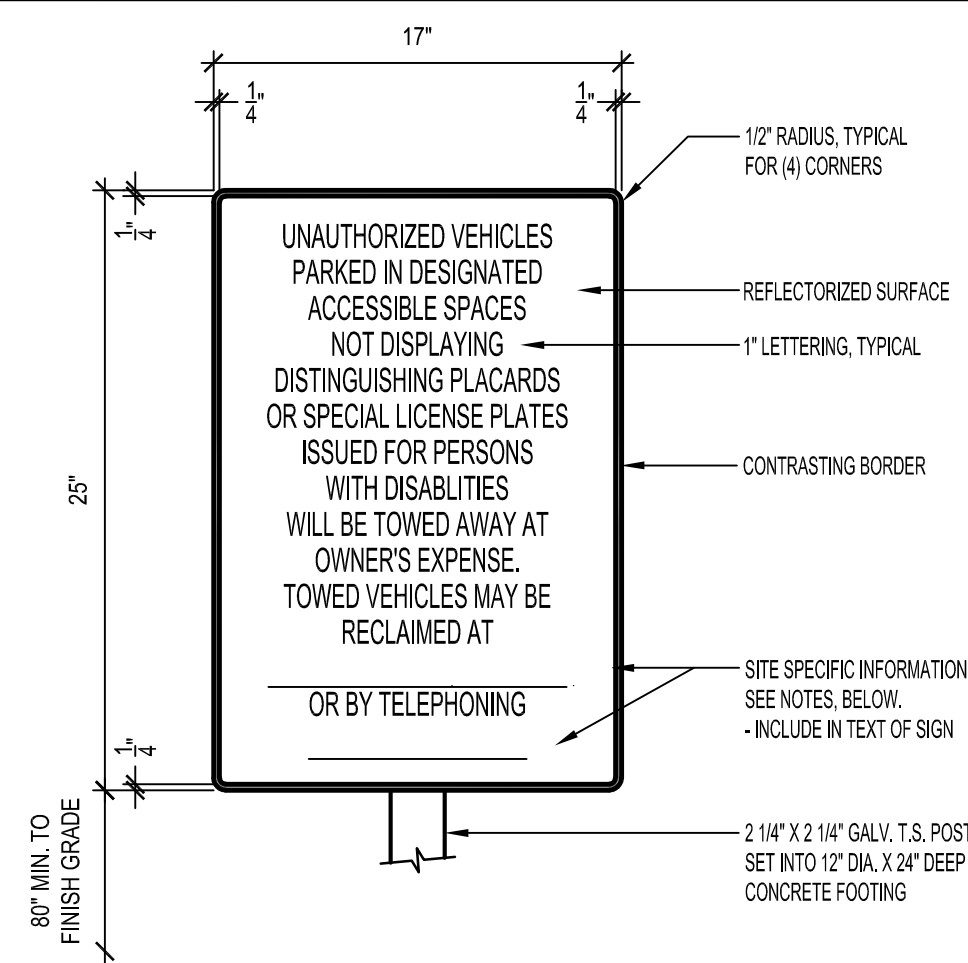
1

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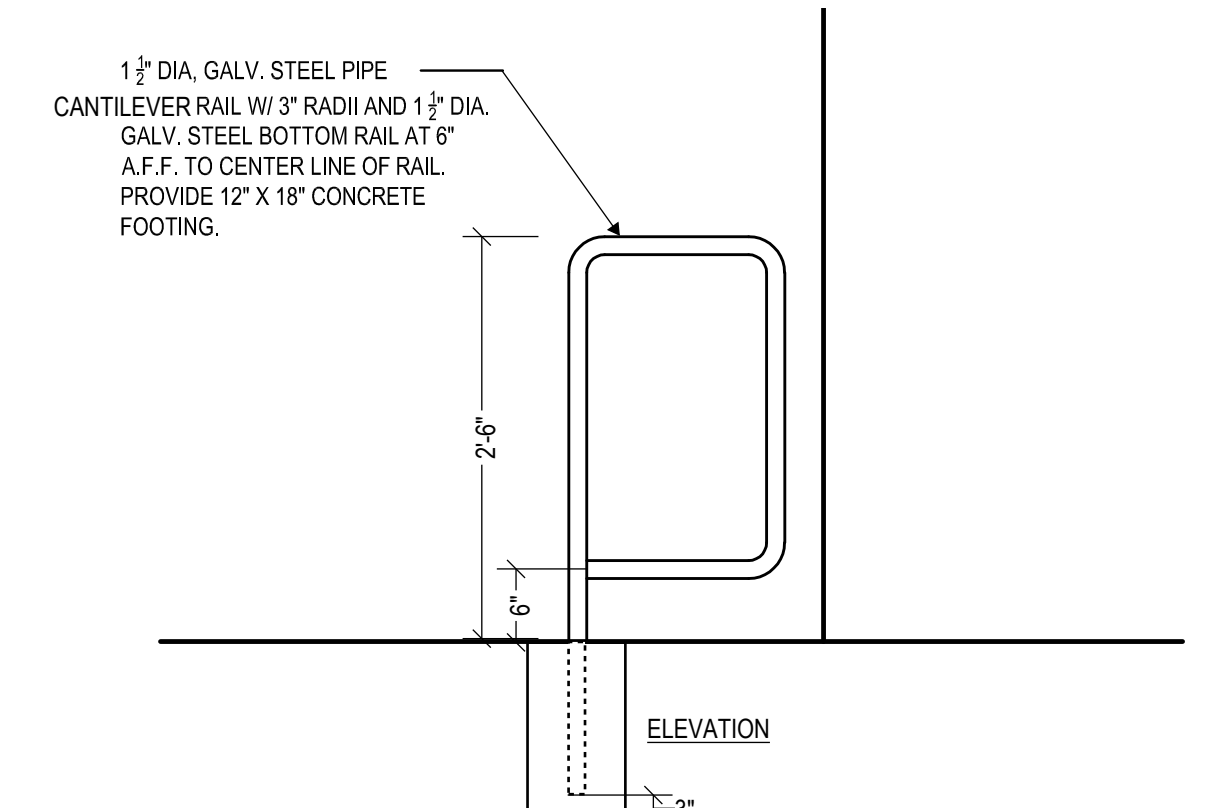
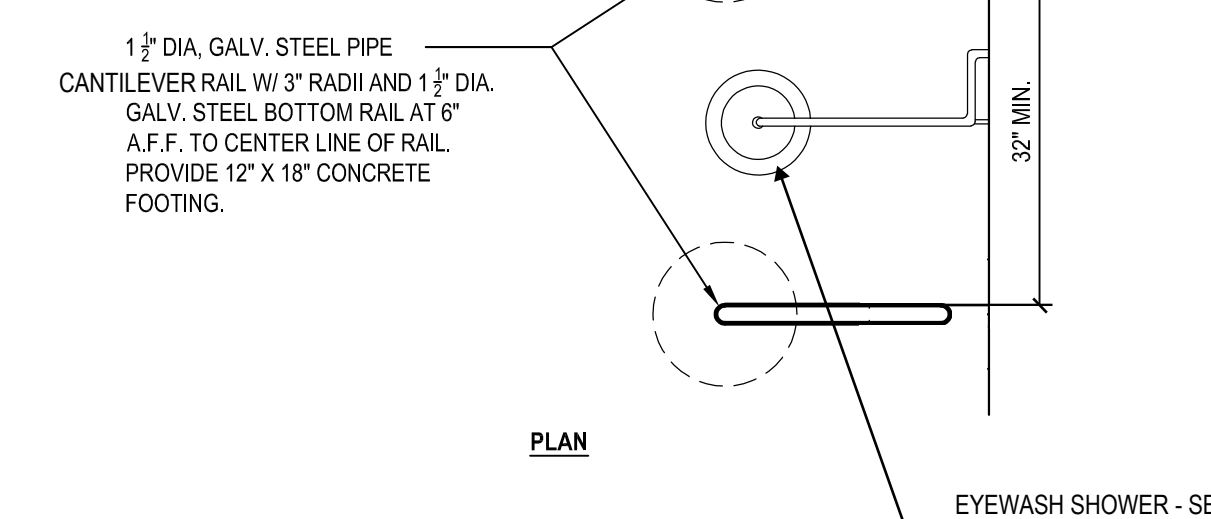
drawing title:
**REMODEL PLAN
UPPER LEVEL**

drawing no.:

A-1
drawing 10 of 31



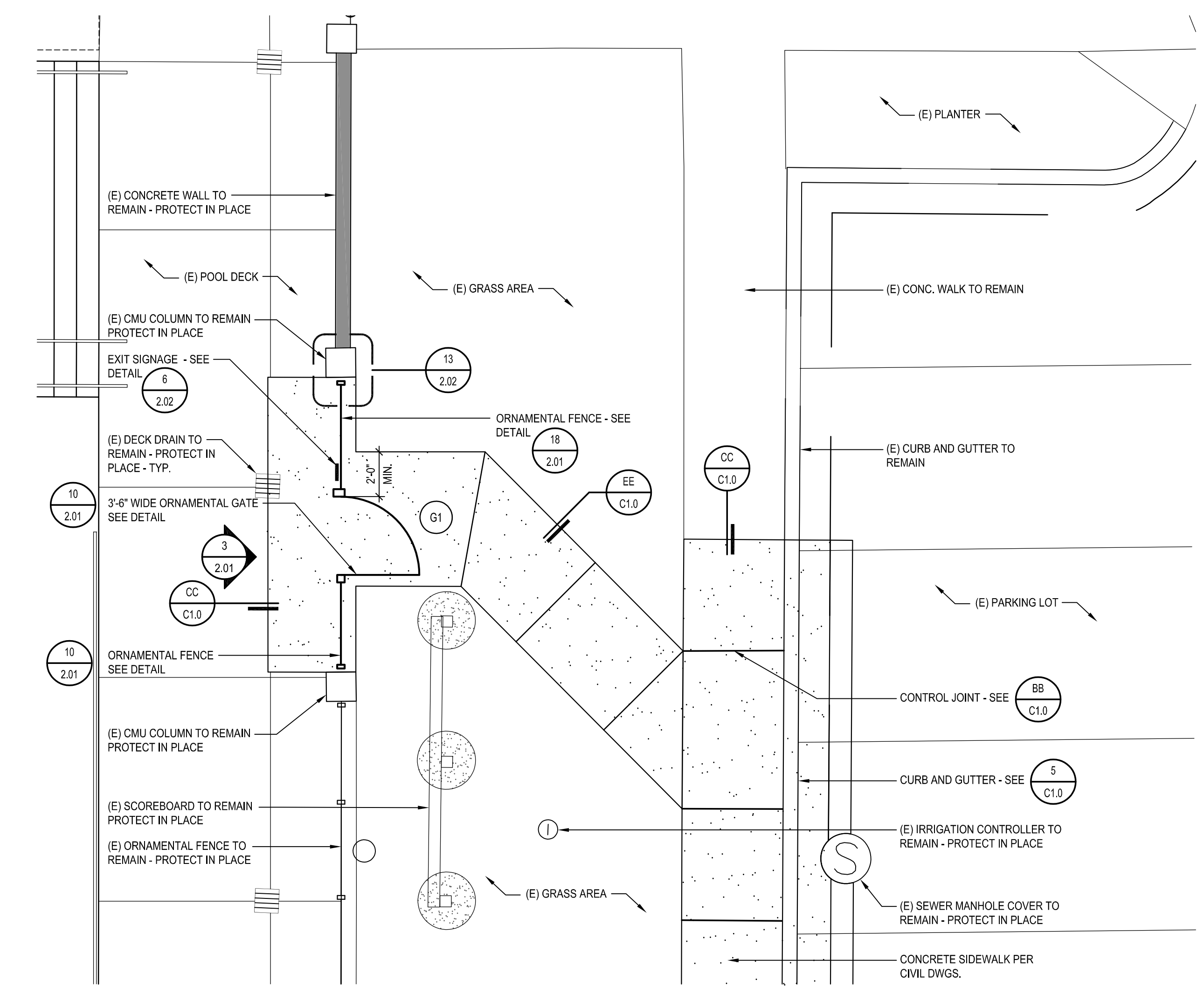
NOTES:
POST SIGN IN CONSPICUOUS PLACE AT THE ENTRANCE TO OFF-STREET PARKING AREAS.
CONTRACTOR TO VERIFY ADDRESS AND TELEPHONE NUMBER, WHERE TOWED VEHICLES MAY BE RECLAIMED, WITH LOCAL POLICE AUTHORITY.



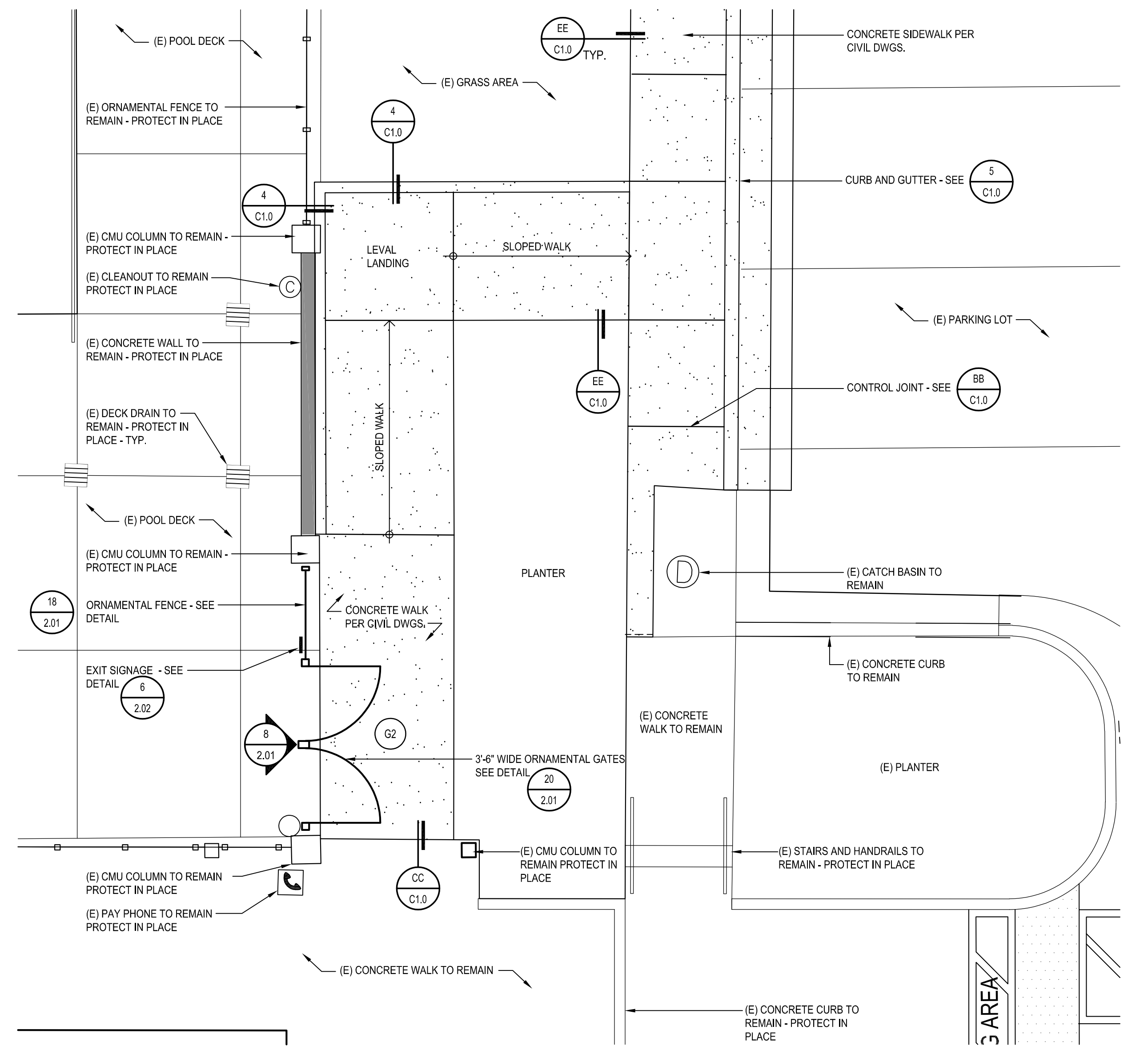
UNAUTHORIZED VEHICLE SIGNAGE SCALE: 1 1/2" = 1'-0" 1

RAILS AT EMERGENCY SHOWER 2

NOTE: ALL COMPONENTS NOT INDICATED AS (E) EXISTING ARE NEW CONSTRUCTION



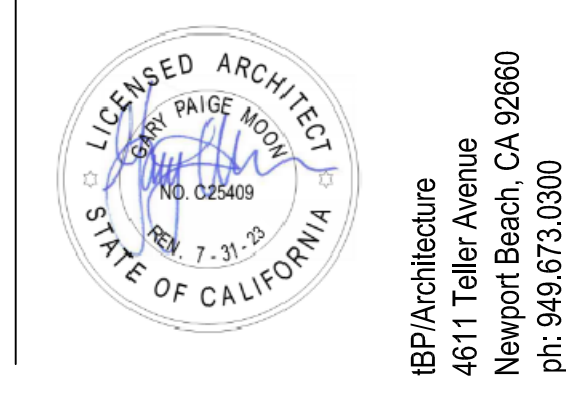
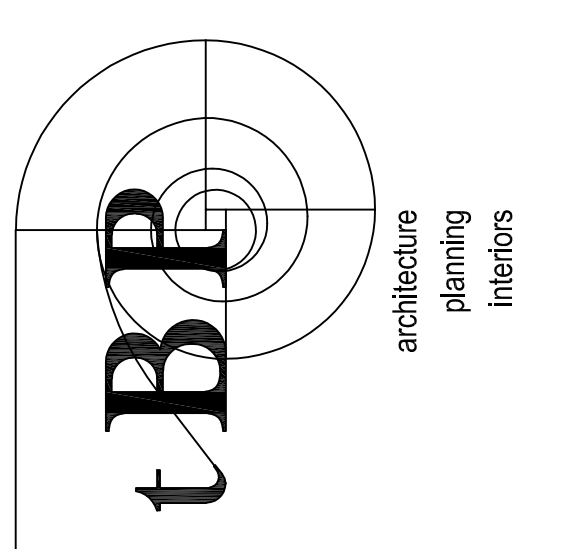
SLOPED WALK ENLARGED PLAN SCALE: 1/4" = 1'-0" 10



SLOPED WALK ENLARGED PLAN SCALE: 1/4" = 1'-0" 20

IDENTIFICATION STAMP
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DATE: 11/09/2021

A# 04 - 120421
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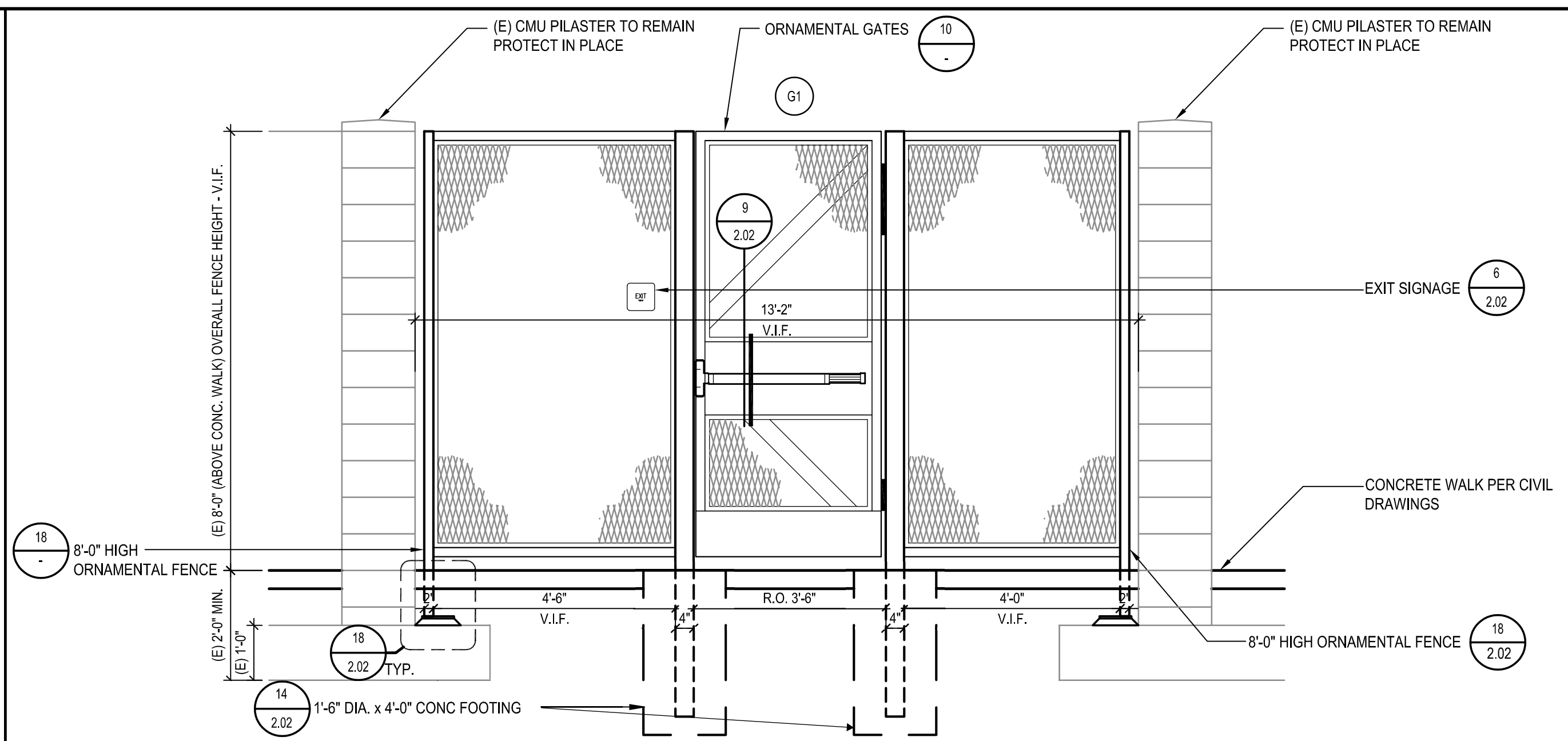
SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

IBP project number : 21057.00
file name:
drawn by: checked by:
date: 10/26/2021
Rev: date: description:

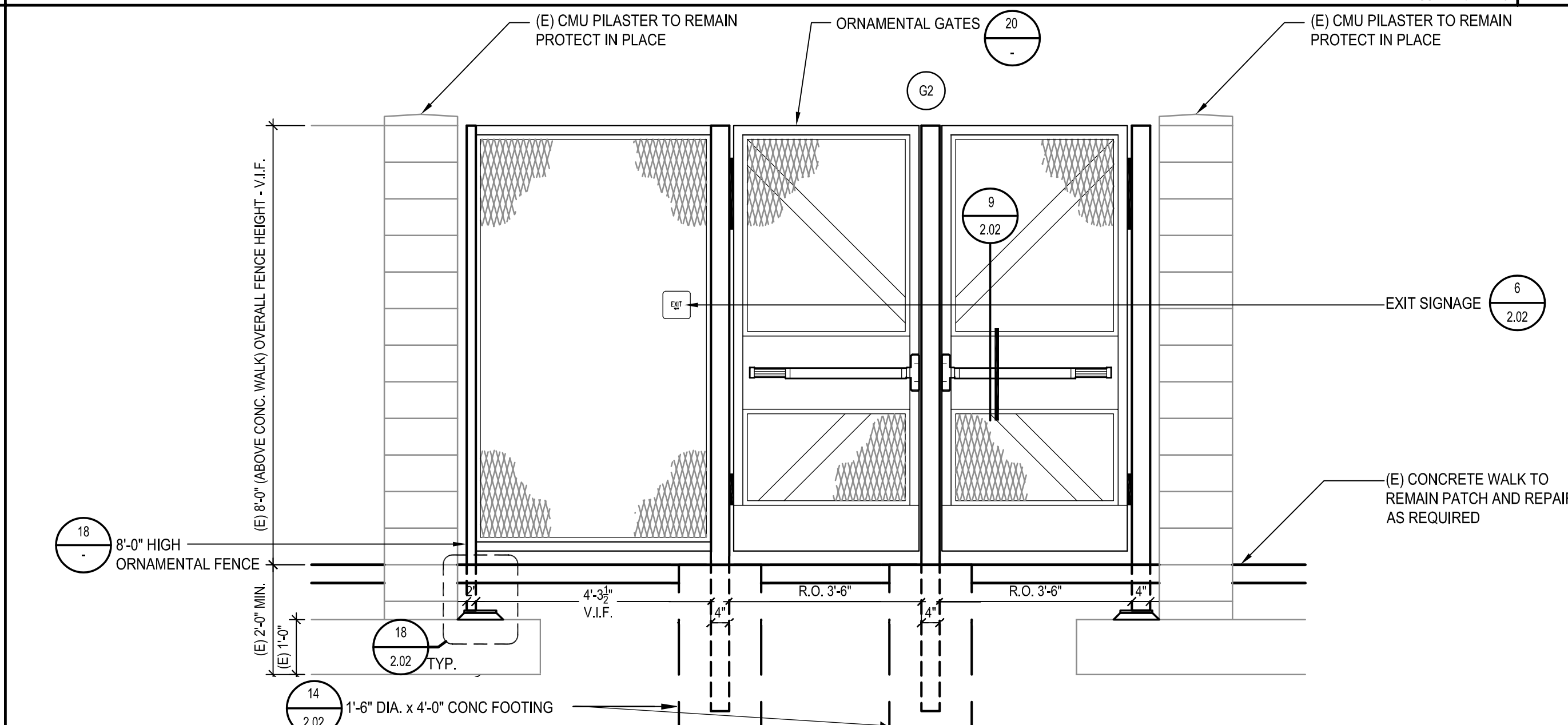
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drawing title:
ENLARGED SITE PLANS

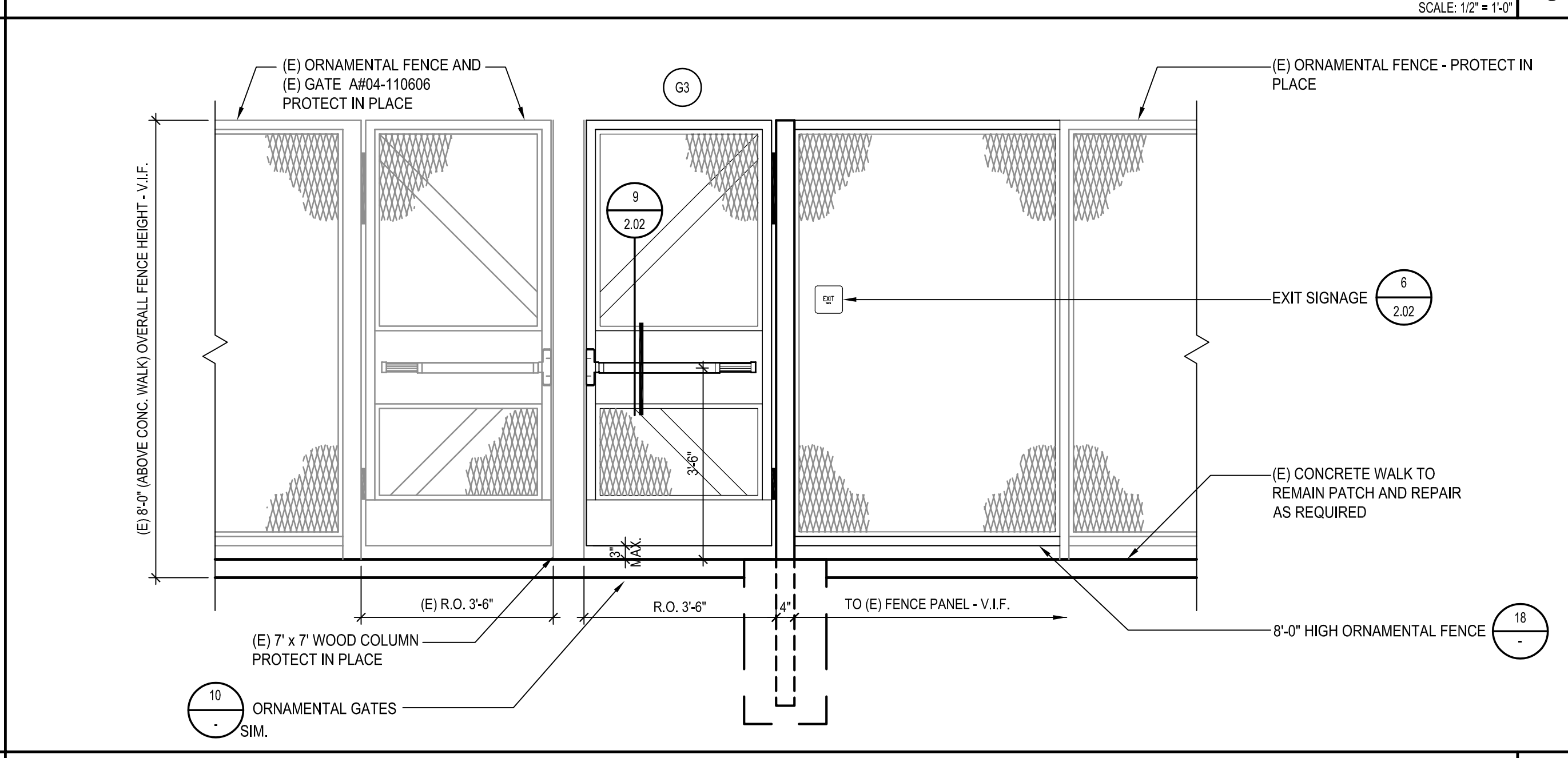
drawing no.:
2.00
drawing 11 of 31



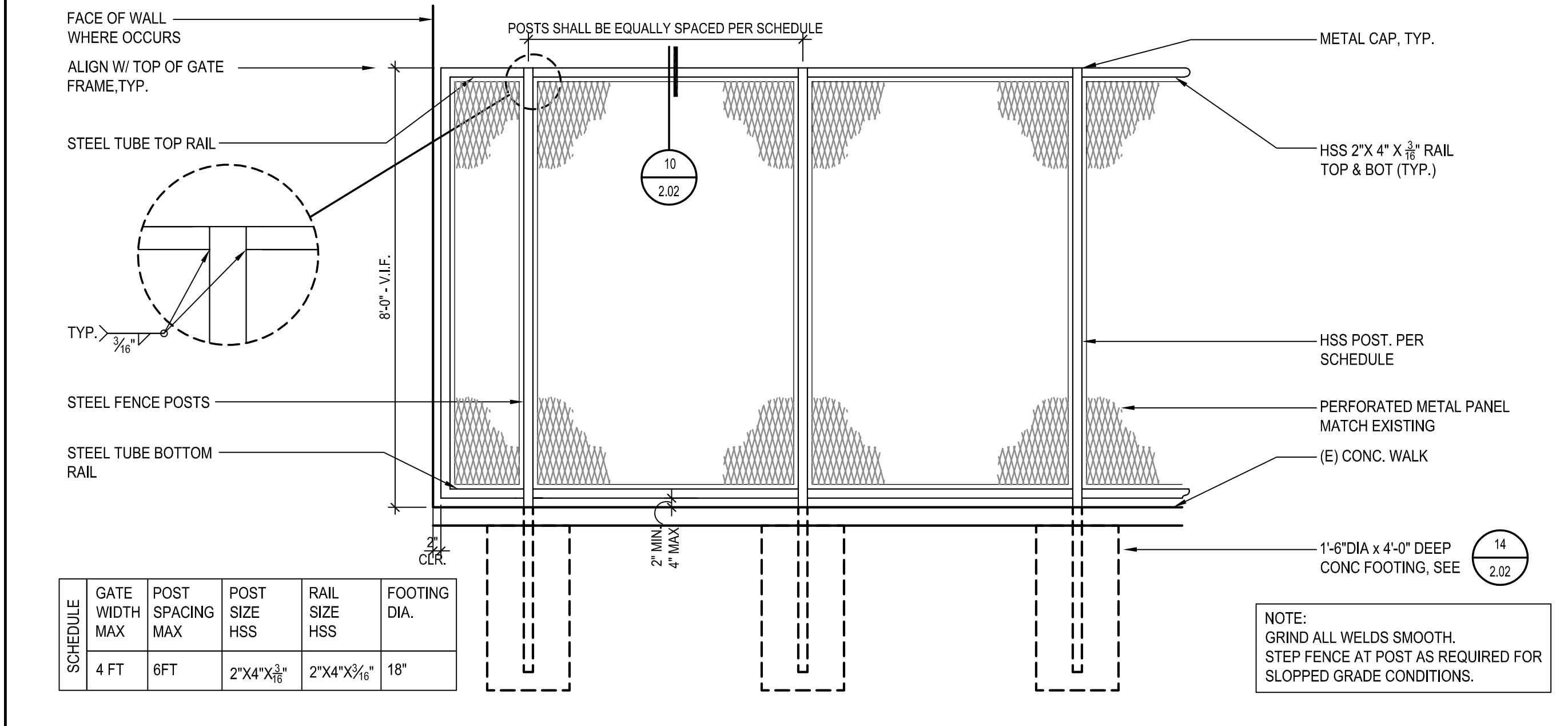
GATES G1 SCALE: 1/2" = 1'-0" 3



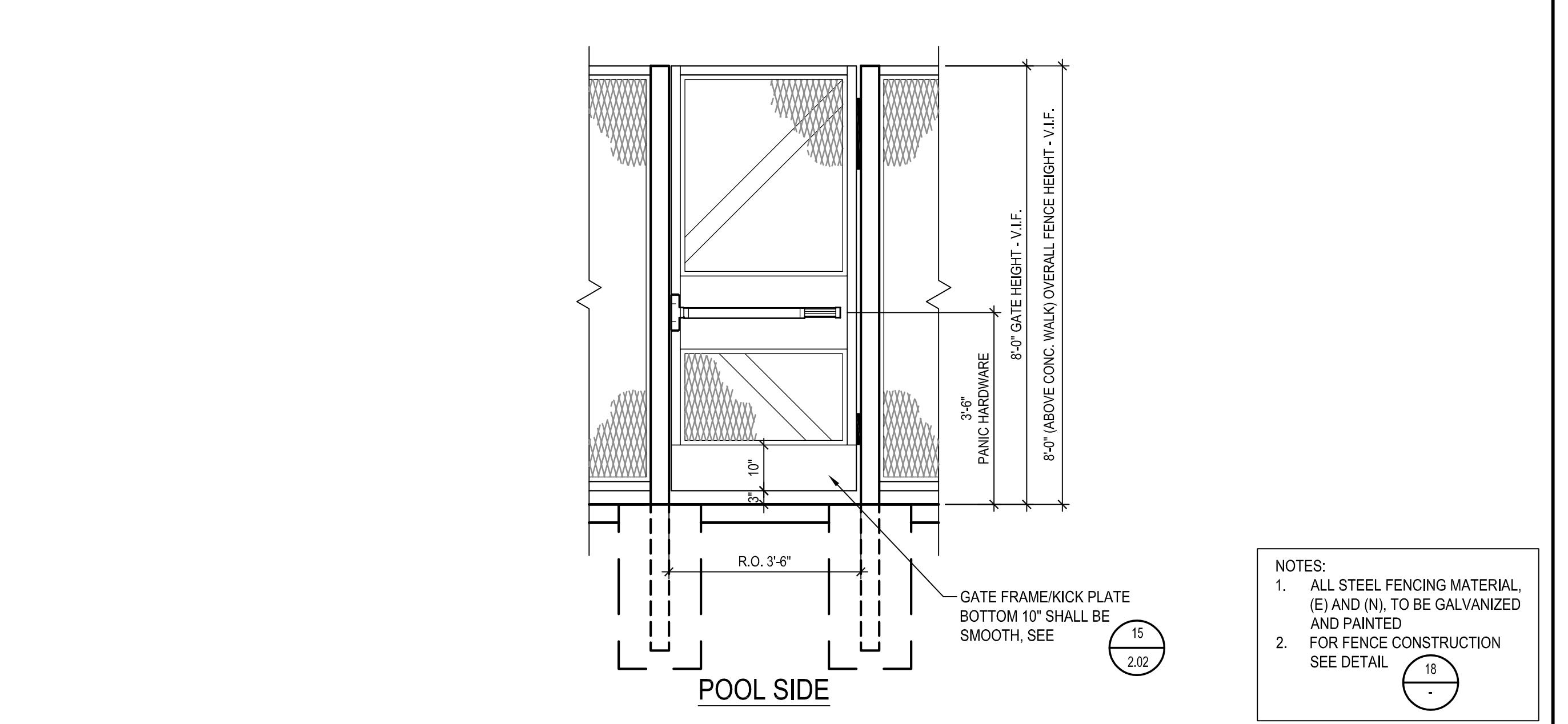
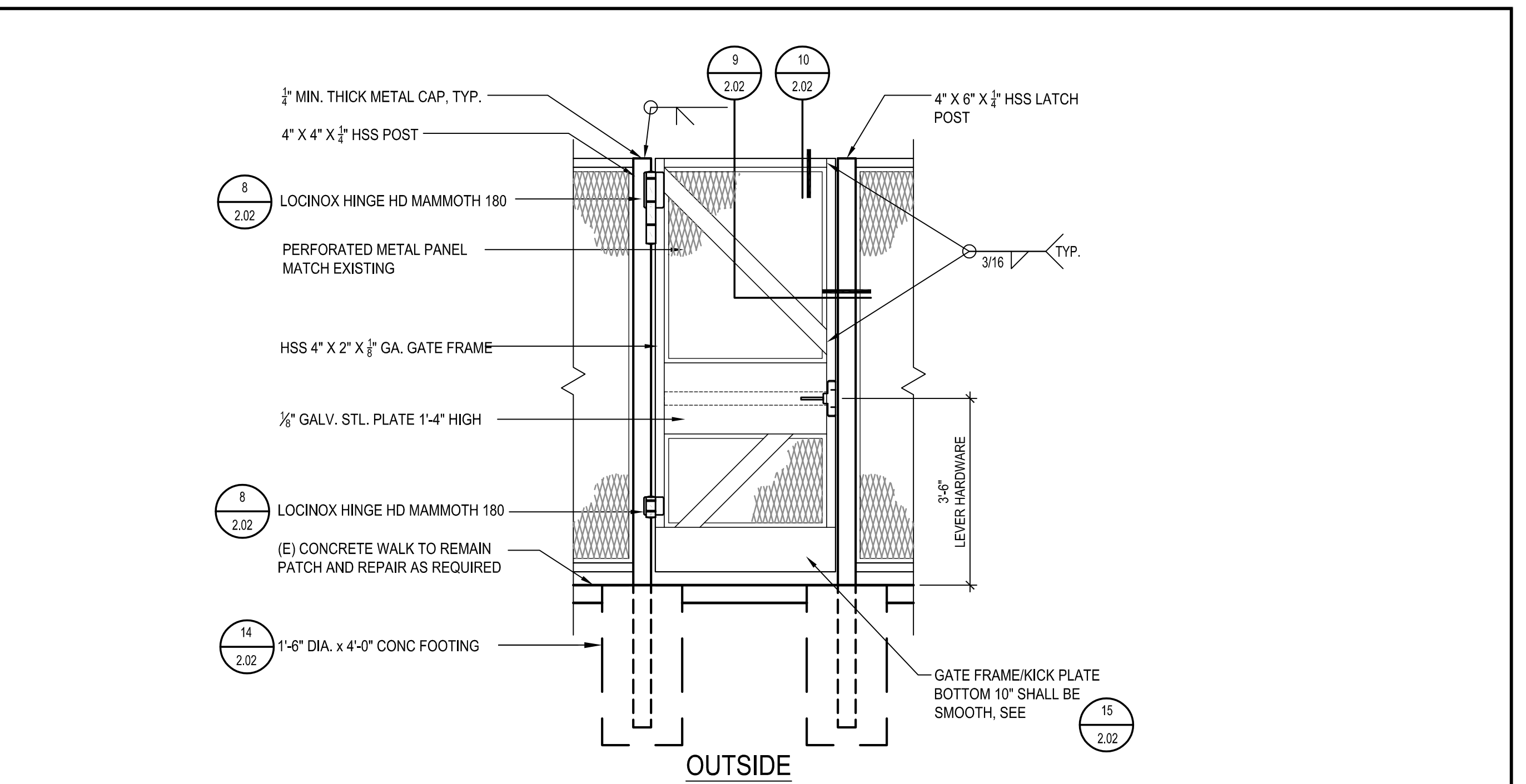
GATES G2 SCALE: 1/2" = 1'-0" 8



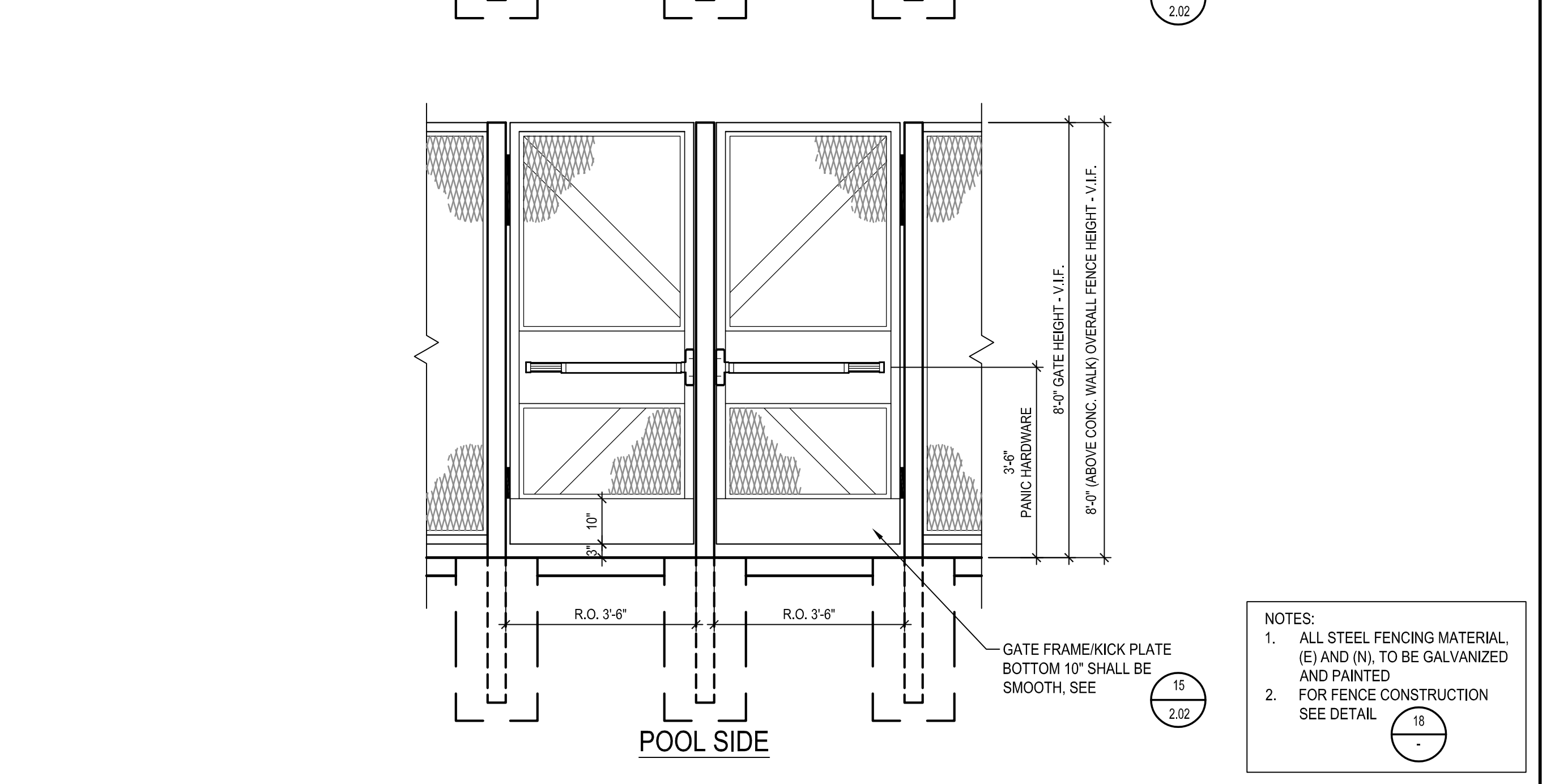
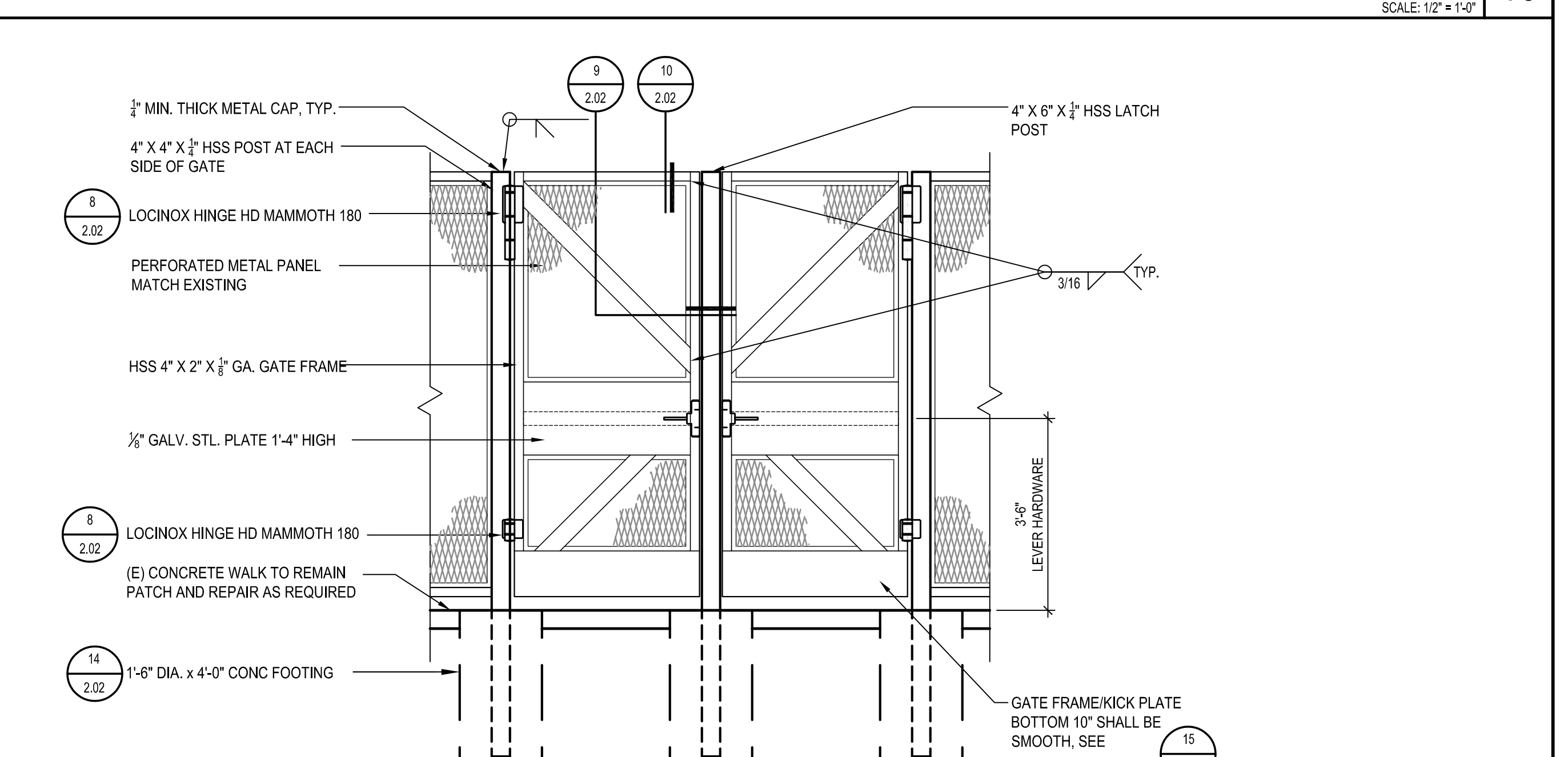
GATES G3 SCALE: 1/2" = 1'-0" 13



ORNAMENTAL METAL FENCE DETAIL SCALE: 1/2" = 1'-0" 18



ORNAMENTAL METAL GATE DETAIL SCALE: 1/2" = 1'-0" 10



ORNAMENTAL METAL GATE DETAIL SCALE: 1/2" = 1'-0" 20

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4# 04 - 120421
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architect

consultant

SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT

SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

owner

IBP project number : 21057.00

file name:

drawn by: checked by:

date: 8/25/2021

Rev: date: description:

drawing title:
FENCE AND GATE ELEVATIONS

drawing no.:
2.01
drawing 12 of 31

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GENERAL NOTES

- THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER A COMPLETE INSTALLATION OF SYSTEMS. THE OMISSION OR EXPRESSED REFERENCE TO ANY ITEM OF LABOR OR MATERIALS REQUIRED FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH PRESENT PRACTICE OF THE TRADE SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING SUCH ADDITIONAL LABOR AND MATERIALS.
- THESE PLANS, SPECIFICATIONS, AND ALL MATERIALS SHALL BE IN FULL ACCORDANCE WITH ALL LEGAL AND INDUSTRY REQUIREMENTS, AND STANDARDS INCLUDING WITHOUT LIMITATION TO THE FOLLOWING:
 - CALIFORNIA CODE OF REGULATIONS TITLE 24, PARTS 1 AND 2 (CALIFORNIA BUILDING CODE), 2019 EDITION.
 - CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 3 (CALIFORNIA ELECTRICAL CODE), 2019 EDITION.
 - CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 6 (CALIFORNIA ENERGY CODE), 2019 EDITION.
 - CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 9 (CALIFORNIA FIRE CODE), 2019 EDITION.
- OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER THE PROJECT, INCLUDING BUT NOT LIMITED TO THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
- THE ELECTRICAL SYSTEMS FUNCTIONALITY STANDARDS SET FORTH IN TITLE 17 OF THE CALIFORNIA CIVIL CODE (THE "RIGHT TO REPAIR ACT").
- THE MANUFACTURER'S REQUIREMENTS OR RECOMMENDATIONS FOR ANY INCORPORATED PRODUCTS.
- THE MOST CURRENT APPROVED ISSUES OF ANY NOTED SPECIFICATIONS, CODES AND STANDARDS, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.
- THE PLANS REPRESENT ONLY THE FINISHED ELECTRICAL, FIRE ALARM, AND LOW VOLTAGE SYSTEMS, AND THEY ARE NOT INTENDED TO INDICATE OR REQUIRE ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.
- IN USING THE PLANS FOR BIDDING OR CONSTRUCTION PURPOSES, THE CONTRACTOR IS REQUIRED TO REVIEW ALL OF THE PROJECT'S CONSTRUCTION DOCUMENTS AS A WHOLE IN ORDER TO IDENTIFY ALL REQUIREMENTS THAT DIRECTLY OR INDIRECTLY AFFECT ITS PORTION OF THE ELECTRICAL WORK. EVEN REQUIREMENTS LOCATED IN SECTIONS DESIGNATED AS APPLICABLE TO OTHER TRADES. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL EITHER OBTAIN DIRECTION FROM AN APPROPRIATE OWNER REPRESENTATIVE OR OTHERWISE APPLY THE MORE STRINGENT REQUIREMENT.
- IN INTERPRETING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
 - WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.
 - SCALED DIMENSIONS AND GRAPHICALLY SHOWN LOCATIONS ARE TO BE CONSIDERED ONLY APPROXIMATE. FIELD VERIFY DIMENSIONS PRIOR TO BID.
- IN IMPLEMENTING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
 - BECAUSE THE PLANS ARE INTENDED TO SET FORTH THE REQUIREMENTS FOR CONSTRUCTION IN ONLY AN INDUSTRY-STANDARD LEVEL OF QUALITY AND DETAIL, AND THEREFORE ARE INTENDED TO BE SUPPLEMENTED BY APPROPRIATE REQUESTS FOR CLARIFICATION AND INFORMATION, ERRORS AND OMISSIONS ARE TO BE EXPECTED AND ANTICIPATED, AND THE CONTRACTOR IS REQUIRED TO CAREFULLY REVIEW THE PLANS FOR ERRORS AND OMISSIONS AND TO BRING THESE ERRORS AND OMISSIONS TO THE ATTENTION OF AN APPROPRIATE OWNER REPRESENTATIVE IN A TIMELY MANNER AN ASSUMES THE RISK OF THE CONSEQUENCES OF FAILING TO DO SO BEFORE BIDDING OR OTHERWISE PROCEEDING.
 - THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION, AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.
- SUBMITTALS WILL BE REVIEWED BY THE ELECTRICAL ENGINEER, IF AT ALL, ONLY PURSUANT TO THE INDUSTRY-STANDARD PROTOCOL SET FORTH IN AIA DOCUMENT A201, AND IN NO EVENT WILL THE SUBMITTAL REVIEW PROCESS RELIEVE OR LESSEN THE SUBMITTING CONTRACTOR'S RESPONSIBILITY FOR AN INAPPROPRIATE SUBMITTAL.
- IN NO EVENT WILL ANY SITE VISITS BY THE ELECTRICAL ENGINEER CONSTITUTE CONSTRUCTION MEANS AND METHODS OR CONSTRUCTION SAFETY, AND ALL SUCH MATTERS SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- COPIES OF THE PLANS PROVIDED IN ANY ELECTRONIC FORM ARE SUBJECT TO THE SAME PROVISIONS AS THE OTHER INSTRUMENTS OF SERVICE PREPARED BY OR ON BEHALF OF ELECTRICAL ENGINEER FOR THE PROJECT, INCLUDING WITHOUT LIMITATION THE ENGINEER'S COMMON LAW, STATUTORY OR OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. A RECIPIENT IS GRANTED AT MOST A TRANSFERABLE NONEXCLUSIVE LICENSE TO REUSE THE PLANS SOLELY FOR PROJECT PURPOSES; AND NO RECIPIENT IS AUTHORIZED TO USE OR TO ALLOW THE USE OF ALL OR ANY PORTION OF THESE PLANS FOR ANY OTHER PURPOSE, AND ANY USE FOR ANY OTHER PURPOSE WOULD CONSTITUTE ACTIONABLE PLAGIARISM. ELECTRICAL ENGINEER PROVIDES DOCUMENTS IN AN ELECTRONIC FORM ONLY IN ITS STANDARD FORMATS AND CONVENTIONS AND WITH NO GUARANTEE OF COMPATIBILITY WITH ANY RECIPIENT'S SOFTWARE OR HARDWARE, AND ANY USE WITH OR CONVERSION TO OTHER FORMATS OR CONVENTIONS, OR THE USE WITH ANY PARTICULAR SOFTWARE OR HARDWARE, IS AT THE RECIPIENT'S SOLE RISK.
- REFER TO THE DRAWINGS AND SHOP DRAWINGS OF OTHER TRADES FOR ADDITIONAL DETAILS WHICH AFFECT THE PROPER INSTALLATION OF THIS WORK.
- BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL FEATURES OF THE BUILDING, AND ALL BUILDING DRAWINGS WHICH MAY AFFECT THE EXECUTION OF THE WORK. NO EXTRA PAYMENT WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.
- PROTECT ALL WORK, MATERIALS AND EQUIPMENT FROM DAMAGE FROM ANY CAUSE WHATSOEVER AND PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING THE PROGRESS OF THE WORK. PROVIDE FOR THE SAFETY AND GOOD CONDITION OF ALL THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND REPLACE ALL DAMAGED OR DEFECTIVE WORK, MATERIALS AND EQUIPMENT BEFORE REQUESTING FINAL ACCEPTANCE.
- THE DRAWINGS INDICATE IN A DIAGRAMMATIC MANNER, THE DESIRED LOCATIONS OF ARRANGEMENT OF THE COMPONENTS OF ELECTRICAL WORK, DETERMINING EXACT CONDUIT ROUTING, CONDUIT BENDS, AUXILIARY JUNCTION BOXES, SUPPORTS, AND UNDEFINED CONSTRUCTION DETAILS AS A JOB CONDITION TO BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE CODE REQUIREMENTS. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE, AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF CONDITIONS ENCOUNTERED.

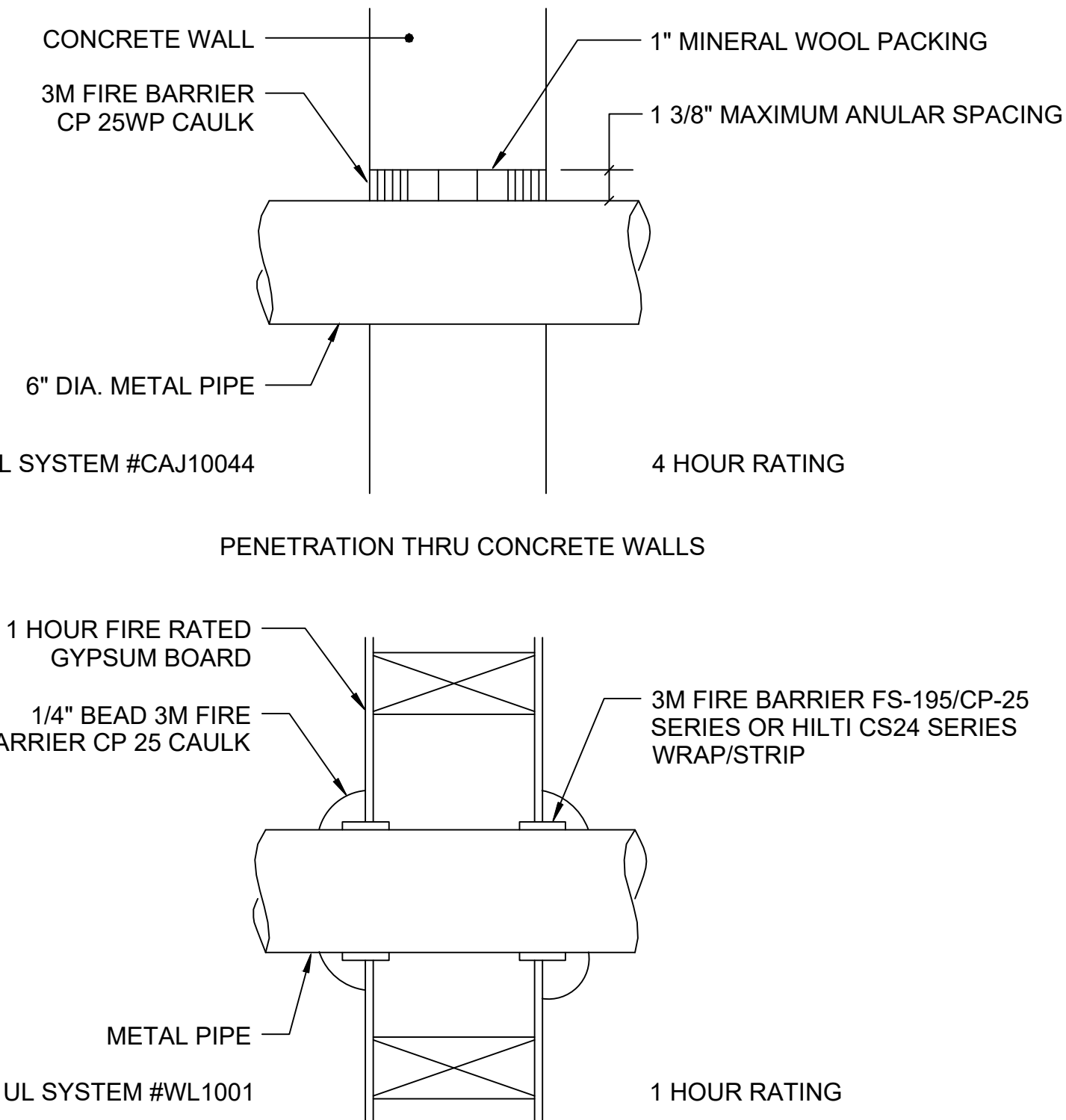
SYMBOL LIST

- (ALL SYMBOL NOT NECESSARILY USED ON THESE DRAWINGS)
ALL SYMBOL DESCRIPTION ARE SUBJECT TO MODIFICATION AS NOTED ON THE DRAWINGS. VERIFY EXACT LOCATION AND HEIGHT OF OUTLETS WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE.
 - CONDUIT, INSTALLED CONCEALED IN OR UNDER FLOOR OR BELOW GRADE; 3/4" CONDUIT MINIMUM.
 - HOMERUN TO PANEL "B" FOR CIRCUITS 5, 7, 9 WITH COMMON NEUTRAL.
 - UNDERGROUND CONDUIT STUBOUT; STUB 5'-0" FROM BUILDING OR WALKWAY, CAP, MARK AND RECORD.
 - LIGHTING FIXTURE, POLE MOUNTED AS INDICATED ON FIXTURE SCHEDULE.
 - OUTLET ON EMERGENCY OR NIGHT LIGHT LIGHTING CIRCUIT. (90 MINUTE BACK UP MINIMUM)
 - 2P SINGLE POLE TOGGLE SWITCH, ON FLUSH WALL MOUNTED OUTLET BOX, +45°. INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT OR SUPERSUBSCRIPT AT SWITCH SYMBOL INDICATES THE FOLLOWING:
 - 2 - DOUBLE POLE
 - 3 - THREE WAY
 - 4 - FOUR WAY
 - P - PILOT LIGHT
 - M - MANUAL MOTOR STARTERS
 - K - KEY OPERATED
 - R - SPDT MOMENTARY CONTACT RELAY SWITCH
 - V - VAPOR PROOF
 - n.b.,g.4, ETC. - MULTIPLE SWITCHES WITH IDENTIFICATION OF OUTLET CONTROLLED
 - JUNCTION BOX, FLUSH WALL MOUNTED, *18" U.N.O.
 - JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING OR ON EXPOSED CEILING, U.N.O.
 - INDICATES CONNECTION TO EQUIPMENT AS REQUIRED, TYPICAL, U.N.O.
 - PANELBOARD, ADJACENT LINE INDICATES PANEL FRONT. ADJACENT BALLOON INDICATES PANEL DESIGNATION "A", SEE DRAWING E-1 FOR PANEL SCHEDULE.
 - CARD READER FOR ACCESS CONTROL, WALL OR GATE MOUNTED +45° A.F.G.
 - LIGHTING CONTROLLER FOR CONTROL OF POLE MOUNTED LIGHTING, EPHEBUS ARMESH HUB OR EQUAL.
 - FUSED SAFETY SWITCH (DISCONNECT), HORSEPOWER RATED, MOUNT ON WALL +45° OR ON EQUIPMENT +36°. PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.

DSA ANCHORAGE NOTES

- MEP COMPONENT ANCHORAGE NOTE**
- ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:
- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
 - COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
- THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE**
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.
- THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2019 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
- MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
- MP □ MD □ PP □ E □ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP □ MD □ PP □ E □ - OPTION 2: SHALL COMPLY WITH APPLICABLE OSHPD PRE-APPROVAL (OPM#) #_____



FIRE RATED WALL PENETRATION DETAIL SCALE: NONE 1

ABBREVIATIONS

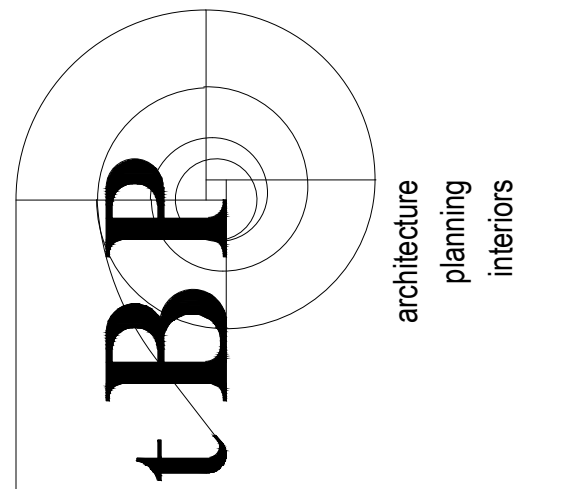
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
AWG	AMERICAN WIRE GAUGE
AMP, A	AMPERE
A.I.C.	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
AFAT	AMP FRAME, AMP TRIP
AS/AF	AMP SWITCH, AMP FUSE
CIRC., CKT.	CIRCUIT
CB	CIRCUIT BREAKER
C	CONDUIT
C.O.	CONDUIT ONLY
DIA	DIAMETER
EMT	ELECTRICAL METALLIC TUBING
FT OR'	FEET
FLA	FULL LOAD AMPS
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
HP	HORSEPOWER
IN OR"	INCHES
J-BOX	JUNCTION BOX
KVA	KILOVOLT AMPERES
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
L.F.	LINEAR FEET
LTD, LTS	LIGHTING
MTD	MOUNTED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NO, OR #	NUMBER
OF/CI	OWNER FURNISHED, CONTRACTOR INSTALLED
PH, OR	PHASE
PROVIDE	FURNISH, INSTALL AND CONNECT
U.N.O.	UNLESS NOTED OTHERWISE

ELECTRICAL DRAWING INDEX

E-O	SYMBOL LIST, NOTES AND DETAILS
E-1	SINGLE LINE DIAGRAM, PANEL SCHEDULES AND DETAILS
E-2	ELECTRICAL MECHANICAL ROOM DEMO AND NEW PLANS
ES-1	OVERALL ELECTRICAL SITE PLAN
ES-2	ENLARGED POOL SPORTS LIGHTING PLAN
ES-3	ENLARGED POOL SPORTS LIGHTING PLAN CALCULATIONS
ES-4	ENLARGED POOL EGRESS LIGHTING PLAN CALCULATIONS

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DATE: 11/09/2021

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FBA Job Number: 2102276

LIGHT FIXTURE SCHEDULE

TYPE	LIGHT FIXTURE DESCRIPTION	FIXTURE MAXIMUM TOTAL INPUT WATTS	FIXTURE MINIMUM LUMEN OUTPUT EFFICIENCY	FIXTURE MOUNTING	LAMP TYPE	LAMP COLOR TEMPERATURE 'K'	LAMP CRI, NOT LESS THAN	EACH LAMP INITIAL MINIMUM LUMEN OUTPUT	TOTAL ALL LAMPS INITIAL MINIMUM LUMEN OUTPUT	LAMP QUANTITY	FBA #1087.006
S1	LED SPORTS LIGHTING LUMINAIRE (HEAD ONLY)	346	53943	EXISTING 29' POLE	LED	5700K	70				
	EPHEBUS LUMASPORT 8										
	EPH-LS-08-0320L-BLK-57-70-XX-C04										
	EPH-LS-0320L-BLK-LV-XX-LY-BP										
	OR EQUAL										

SADDLEBACK COLLEGE SWIMMING POOL REFURBISHMENT
owner
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

tBP project number : 21057.00
file name:
drawn by: checked by:
date: 2/23/2021
Rev: date: description:

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drawing title:
SYMBOL LIST, NOTES AND DETAILS

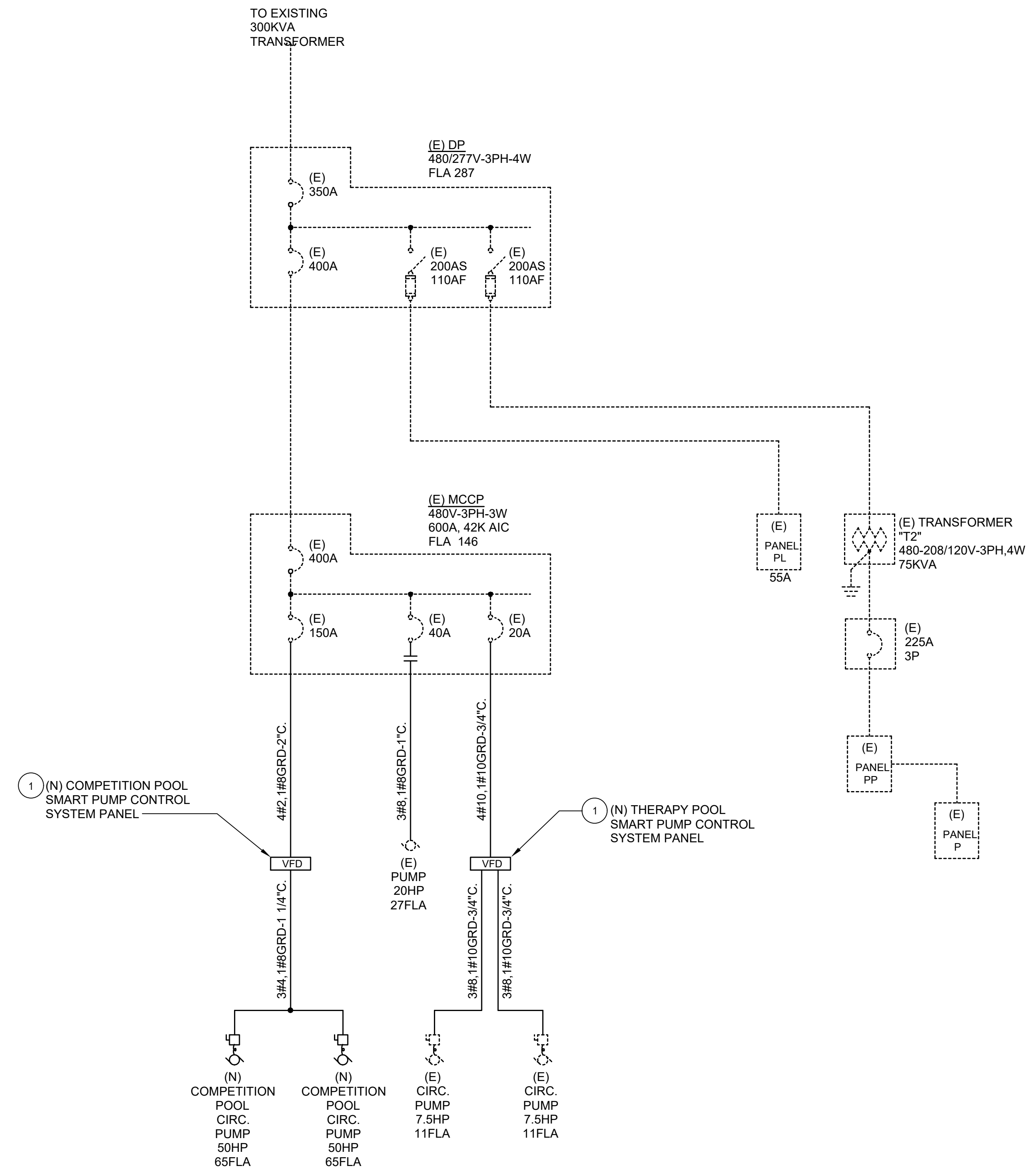
drawing no.:
E-0
drawing of #

SADDLEBACK COLLEGE SWIMMING POOL REFURBISHMENT				PROJECT NO. 212.278					
VOLTS 120/208 PHASE 3PH, 4W MTG SURFACE				MAIN MLD BUS 225A					
PANELBOARD (C) PP				LOCATION POOL EQUIPMENT ROOM					
(←) LOAD (VA) (A) (B) (C) TYPE	(→) LOAD (VA) (A) (B) (C) TYPE	OUTLET BKR QUAN	DESCRIPTION	(←) LOAD (VA) (A) (B) (C) TYPE	(→) LOAD (VA) (A) (B) (C) TYPE	OUTLET BKR QUAN	DESCRIPTION		
1	1656	-----	M 20/1	1	900	-----	20/1	EXISTING LOAD	
3	-----	1000	-----	20/1	-----	900	-----	20/1	EXISTING LOAD
5	-----	-----	20/1	SPARE	-----	-----	20/1	EXISTING LOAD	
7	-----	-----	20/2	SPARE	-----	-----	20/1	EXISTING LOAD	
9	-----	-----	20/1	EXISTING LOAD	-----	-----	20/1	EXISTING LOAD	
11	-----	500	-----	20/1	-----	-----	20/1	EXISTING LOAD	
13	-----	1000	-----	20/1	GF1	-----	20/1	EXISTING LOAD	
15	-----	-----	20/1	GF1	-----	-----	20/1	EXISTING LOAD	
17	-----	-----	20/1	EXISTING LOAD	-----	-----	20/1	EXISTING LOAD	
19	-----	1440	-----	20/2	-----	-----	20/1	EXISTING LOAD	
21	-----	1248	-----	---	-----	-----	20/1	EXISTING LOAD	
23	-----	1800	-----	G 20/1	---	-----	20/1	EXISTING LOAD	
25	-----	-----	20/1	TP WTR CHEM CONTROLLER	-----	-----	20/1	EXISTING LOAD	
27	-----	-----	G 20/1	CP WTR CHEM CONTROLLER	-----	-----	20/1	EXISTING LOAD	
29	-----	-----	---	PROVISION	-----	-----	20/1	EXISTING LOAD	
31	-----	-----	---	PROVISION	-----	-----	20/1	EXISTING LOAD	
33	-----	-----	---	PROVISION	-----	-----	20/1	EXISTING LOAD	
35	-----	-----	---	PROVISION	-----	-----	20/1	EXISTING LOAD	
37	-----	-----	---	PROVISION	-----	-----	20/1	EXISTING LOAD	
39	-----	-----	---	PROVISION	-----	-----	20/1	EXISTING LOAD	
41	-----	-----	---	PROVISION	-----	-----	20/1	EXISTING LOAD	

CONNECTED	VA	AMPS	L.C.L. # 125X =	LOAD TYPE
PHASE A =	16872	141	RECEPT. () 10 KVA @ 500Z =	G - GENERAL (1000)
PHASE B =	16243	135	KITCHEN # 65X =	M - MOTOR (1000)
PHASE C =	18735	156	OTHER LOAD # 100X =	L - L.C.L. (1250)
TOTAL	51850	444	TOTAL VA =	51850
			TOTAL AMPS =	444
				R - RECEPTACLE (500)
				X - X-RAY (1000)
				XL - X-RAY (500)

SADDLEBACK COLLEGE SWIMMING POOL REFURBISHMENT				PROJECT NO. 212.278						
VOLTS 120/208 PHASE 3PH, 4W MTG SURFACE				MAIN 150A/3 BUS 200A						
PANELBOARD (C) P				LOCATION POOL EQUIPMENT ROOM						
(←) LOAD (VA) (A) (B) (C) TYPE	(→) LOAD (VA) (A) (B) (C) TYPE	OUTLET BKR QUAN	DESCRIPTION	(←) LOAD (VA) (A) (B) (C) TYPE	(→) LOAD (VA) (A) (B) (C) TYPE	OUTLET BKR QUAN	DESCRIPTION			
1	-----	600	-----	20/1	SPARE	-----	360	-----	20/1	EXISTING LOAD
3	-----	-----	20/1	EXISTING LOAD	-----	-----	360	-----	20/1	EXISTING LOAD
5	-----	-----	20/1	EXISTING LOAD	-----	-----	360	-----	20/1	EXISTING LOAD
7	-----	-----	20/1	SPARE	-----	-----	600	-----	20/1	EXISTING LOAD
9	-----	-----	20/1	SPARE	-----	-----	180	-----	20/1	EXISTING GF1
11	-----	180	-----	20/1	EXISTING LOAD	-----	1200	-----	20/1	EXISTING PANTS
13	-----	180	-----	20/1	EXISTING LOAD	-----	600	-----	20/1	EXISTING LOAD
15	-----	180	-----	20/1	EXISTING LOAD	-----	600	-----	20/1	EXISTING LOAD
17	-----	600	-----	20/1	EXISTING LOAD	-----	600	-----	20/1	EXISTING LOAD
19	-----	-----	20/1	SPARE	-----	-----	---	-----	20/3	SPARE
21	-----	-----	20/1	SPARE	-----	-----	---	-----	---	---
23	-----	-----	20/1	SPARE	-----	-----	---	-----	---	---
25	-----	-----	20/1	SPARE	-----	-----	300	-----	20/1	EXISTING GF1
27	-----	-----	20/2	SPARE	-----	-----	300	-----	20/1	EXISTING GF1
29	-----	-----	---	---	-----	-----	300	-----	20/1	EXISTING GF1
31	-----	-----	---	PROVISION	-----	-----	---	-----	---	---
33	-----	-----	---	PROVISION	-----	-----	---	-----	---	---
35	-----	-----	---	PROVISION	-----	-----	---	-----	---	---
37	-----	-----	---	PROVISION	-----	-----	---	-----	---	---
39	-----	-----	---	PROVISION	-----	-----	---	-----	---	---
41	-----	-----	---	PROVISION	-----	-----	---	-----	---	---

CONNECTED	VA	AMPS	L.C.L. # 125X =	LOAD TYPE
PHASE A =	2040	17	RECEPT. () 10 KVA @ 500Z =	G - GENERAL (1000)
PHASE B =	2220	19	KITCHEN # 65X =	M - MOTOR (1000)
PHASE C =	3840	32	OTHER LOAD # 100X =	L - L.C.L. (1250)
TOTAL	8100	22	TOTAL VA =	8100
			TOTAL AMPS =	22
				R - RECEPTACLE (500)
				X - X-RAY (1000)
				XL - X-RAY (500)



SINGLE LINE DIAGRAM NOTES:
 1 REFER TO AQUATIC DRAWINGS FOR EQUIPMENT REQUIREMENTS AND ADDITIONAL INFORMATION.

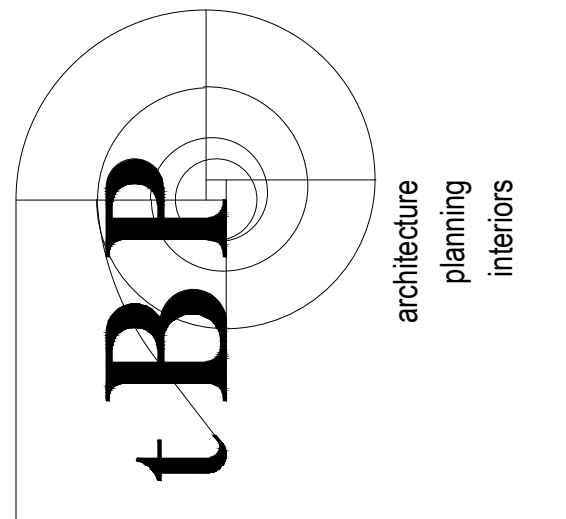
GENERAL NOTE:
 ALL DASHED LINE WORK (---) INDICATES EXISTING ELECTRICAL EQUIPMENT, FEEDERS, DEVICES, ETC. TO REMAIN. ALL SOLID LINE WORK (—) INDICATES ELECTRICAL EQUIPMENT, FEEDERS, DEVICES, ETC. TO BE PROVIDED IN THIS SCOPE OF WORK.

EXISTING SINGLE LINE DIAGRAM SCALE: N.T.S. 1

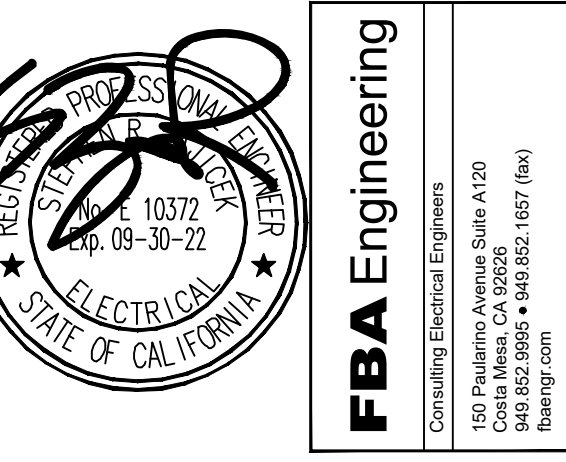
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SADDLEBACK COLLEGE
 SWIMMING POOL REFURBISHMENT
 SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
 28000 MARGUERITE PKWY
 MISSION VIEJO, CA 92692

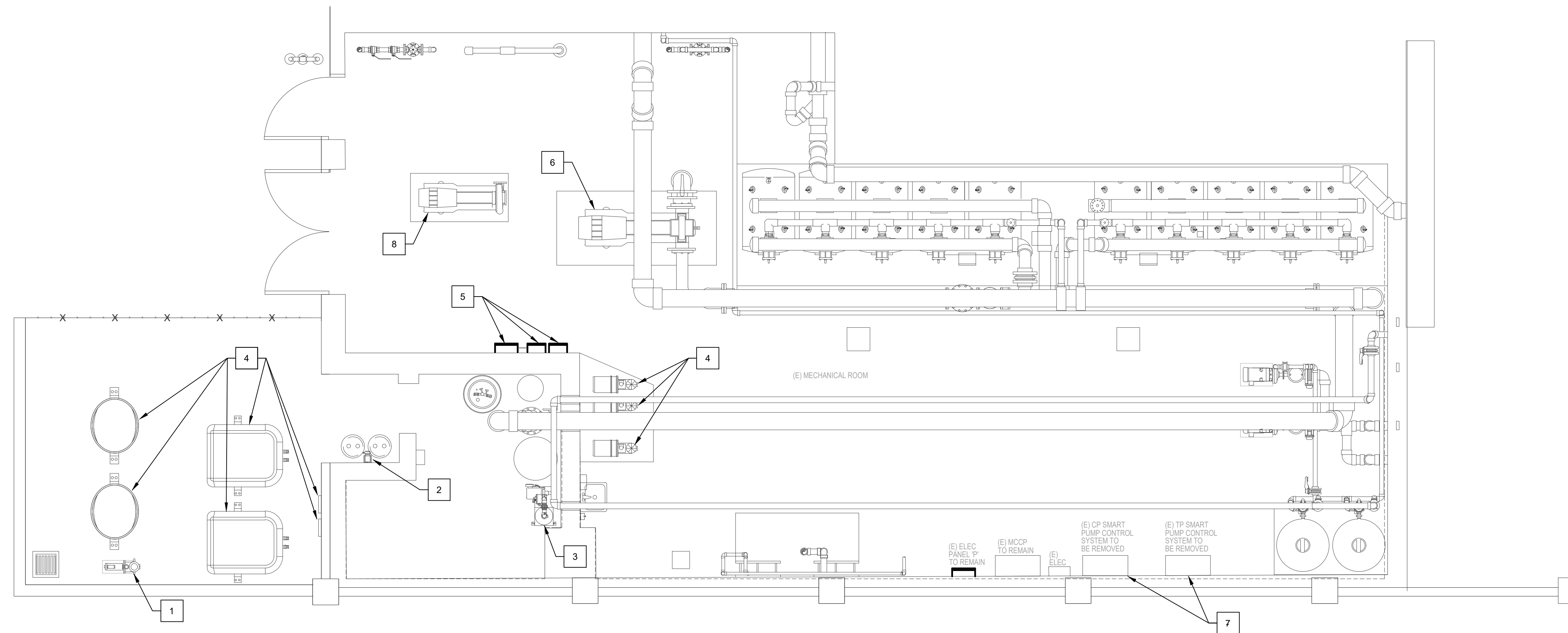
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drawing title:
 SINGLE LINE DIAGRAM,
 PANELS, DETAILS

drawing no.:
 E-1
 drawing of #

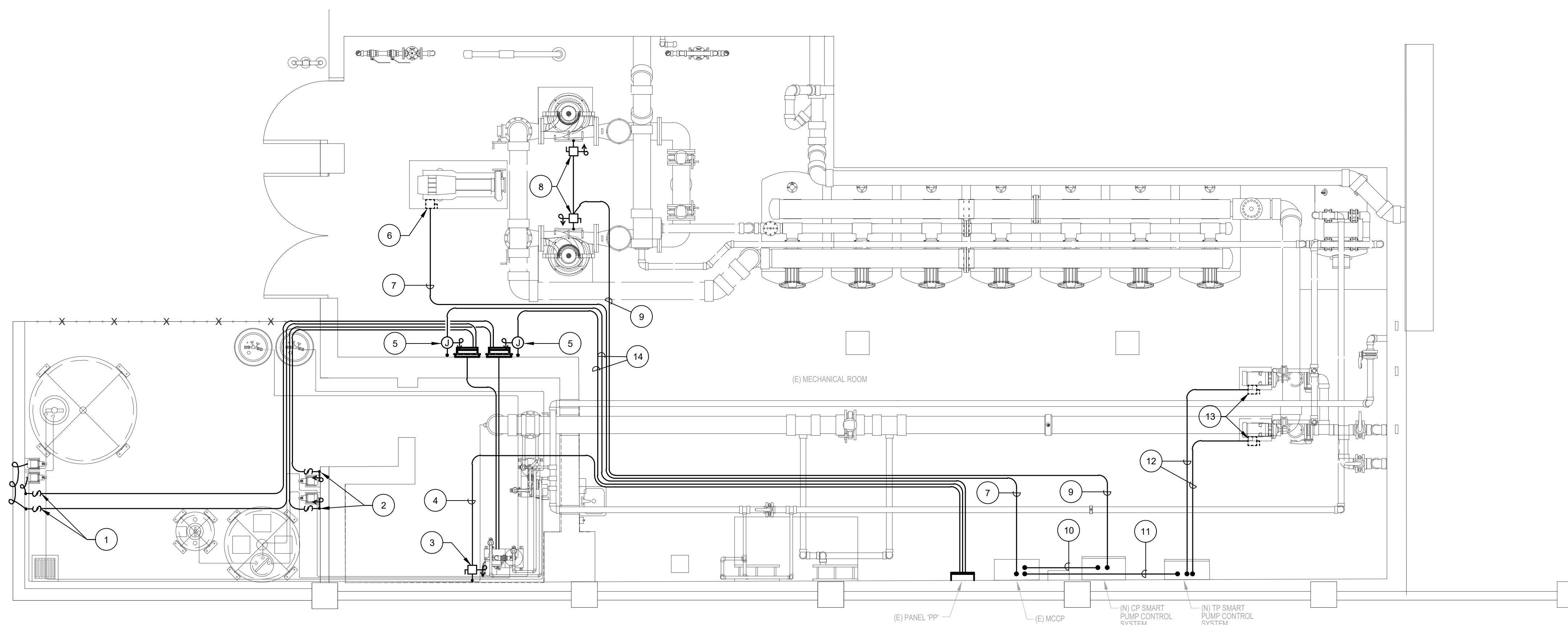
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ELECTRICAL MECHANICAL ROOM DEMOLITION PLAN SCALE: 1" = 20'-0" 1

DEMOLITION PLAN NOTES:

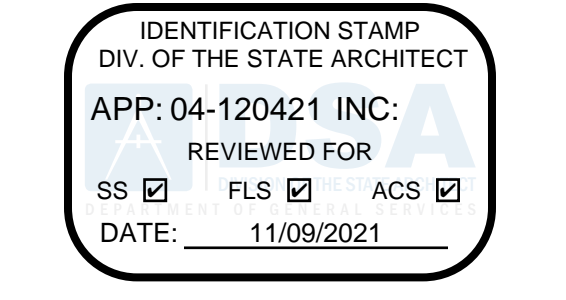
- 1 DISCONNECT AND REMOVE EXISTING BOOSTER PUMP ELECTRICAL CONNECTION. REMOVE DISCONNECT SWITCHES, BOXES, CONDUIT AND WIRING BACK TO THE SOURCE PANEL. DISCONNECT FROM THE CIRCUIT BREAKER AND MARK THE CIRCUIT BREAKER AS SPARE.
- 2 DISCONNECT AND REMOVE EXISTING ACID FEED PUMP ELECTRICAL CONNECTION. REMOVE BOXES, CONDUIT AND WIRING BACK TO THE SOURCE PANEL. DISCONNECT FROM THE CIRCUIT BREAKER AND MARK THE CIRCUIT BREAKER AS SPARE.
- 3 DISCONNECT AND REMOVE EXISTING CO2 FEES SYSTEM ELECTRICAL CONNECTION. REMOVE BOXES, CONDUIT AND WIRING BACK TO THE SOURCE PANEL. DISCONNECT FROM THE CIRCUIT BREAKER AND MARK THE CIRCUIT BREAKER AS SPARE.
- 4 DISCONNECT AND REMOVE ENTIRE EXISTING PULSAR SYSTEM ELECTRICAL CONNECTIONS. REMOVE CONTROL PANELS, DISCONNECTS, BOXES, CONDUIT AND WIRING BACK TO THE SOURCE PANEL. DISCONNECT FROM THE CIRCUIT BREAKER AND MARK THE CIRCUIT BREAKER AS SPARE.
- 5 DISCONNECT AND REMOVE EXISTING WATER CHEMISTRY CONTROLLERS ELECTRICAL CONNECTION. REMOVE BOXES, CONDUIT AND WIRING BACK TO THE SOURCE PANEL. DISCONNECT FROM THE CIRCUIT BREAKER AND MARK THE CIRCUIT BREAKER AS SPARE.
- 6 DISCONNECT AND REMOVE EXISTING OP CIRC PUMP ELECTRICAL CONNECTION. REMOVE DISCONNECTS, BOXES, CONDUIT AND WIRING BACK TO THE SOURCE PANEL. DISCONNECT FROM THE CIRCUIT BREAKER AND MARK THE CIRCUIT BREAKER AS SPARE.
- 7 DISCONNECT AND REMOVE EXISTING SMART PUMP CONTROL SYSTEM PANELS ELECTRICAL CONNECTIONS. REMOVE ALL DISCONNECTS, BOXES, CONDUIT AND WIRING BACK TO THE SOURCE PANEL. DISCONNECT FROM THE CIRCUIT BREAKER AND MARK THE CIRCUIT BREAKER AS SPARE.
- 8 DISCONNECT AND REMOVE THE ELECTRICAL FEED TO THE EXISTING PUMP TO BE RELOCATED. DISCONNECT IS TO REMAIN AND PROTECTED IN PLACE ON PUMP. REMOVE BOXES, CONDUIT AND WIRING BACK TO THE SOURCE PANEL. DISCONNECT FROM THE CIRCUIT BREAKER. CIRCUIT BREAKER TO REMAIN FOR RECONNECTION OF PUMP IN NEW LOCATION.



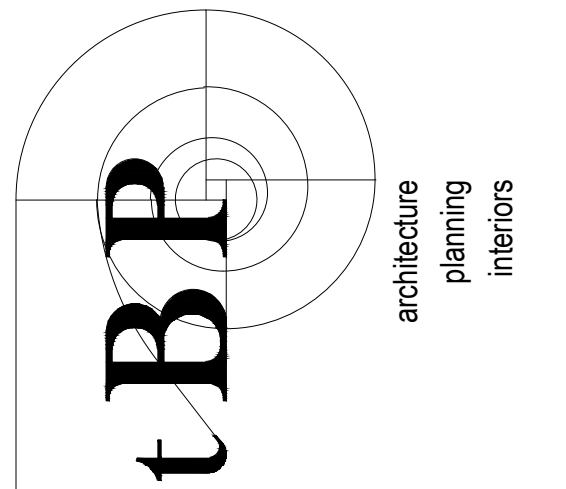
ELECTRICAL MECHANICAL ROOM NEW PLAN SCALE: 1" = 20'-0" 2

NEW PLAN NOTES:

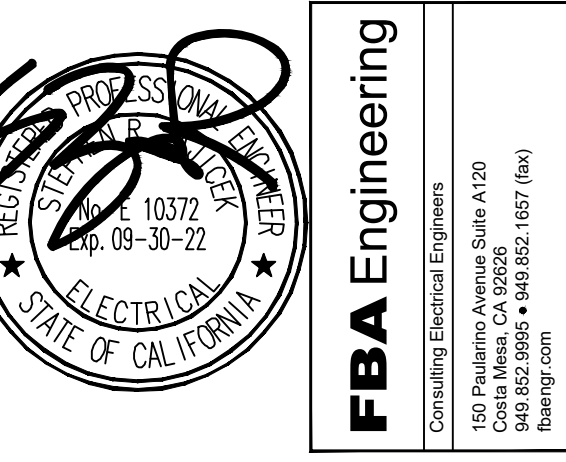
- 1 PROVIDE AND INSTALL NEW DISCONNECT SWITCH, CONNECT TO CHLORINE PUMPS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. REFER TO AQUATIC DRAWINGS FOR EXACT LOCATION, AND ADDITIONAL INFORMATION.
- 2 PROVIDE AND INSTALL NEW DISCONNECT SWITCH, CONNECT TO ACID PUMPS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. REFER TO AQUATIC DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 3 PROVIDE AND INSTALL NEW 20 AMP FUSIBLE DISCONNECT SWITCH WITH 20 AMP FUSES, CONNECT TO CO2 BOOSTER PUMP IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. REFER TO AQUATIC DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 4 PROVIDE 2#10, 1#10GRD-3/4". REFER TO SINGLE LINE DIAGRAM, SHEET E-1 FOR REQUIREMENTS AND ADDITIONAL INFORMATION.
- 5 PROVIDE AND INSTALL CONNECTION TO NEW WATER CHEMISTRY CONTROLLER IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. SEE SHEET MR.2 FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 6 EXISTING DISCONNECT SWITCH FOR EXISTING/RELOCATED PUMP. SEE SHEET MR.2 FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 7 PROVIDE 2#8, 1#8GRD-1". REFER TO SINGLE LINE DIAGRAM, SHEET E-1 FOR FEEDER REQUIREMENTS AND ADDITIONAL INFORMATION.
- 8 PROVIDE AND INSTALL NEW 100 AMP FUSIBLE DISCONNECT SWITCH WITH 65 AMP FUSES, CONNECT TO NEW CIRCULATION PUMP ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. REFER TO AQUATIC DRAWINGS FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 9 PROVIDE 3#4, 1#8GRD-1 1/4". REFER TO SINGLE LINE DIAGRAM, SHEET E-1 FOR FEEDER REQUIREMENTS AND ADDITIONAL INFORMATION.
- 10 PROVIDE 4#2, 1#8GRD-2". REFER TO SINGLE LINE DIAGRAM, SHEET E-1 FOR FEEDER REQUIREMENTS AND ADDITIONAL INFORMATION.
- 11 PROVIDE 3#10, 1#10GRD-3/4". REFER TO SINGLE LINE DIAGRAM, SHEET E-1 FOR FEEDER REQUIREMENTS AND ADDITIONAL INFORMATION.
- 12 PROVIDE 3#8, 1#10GRD-3/4". REFER TO SINGLE LINE DIAGRAM, SHEET E-1 FOR FEEDER REQUIREMENTS AND ADDITIONAL INFORMATION.
- 13 PROVIDE 2#10, 1#10GRD-3/4". REFER TO SINGLE LINE DIAGRAM, SHEET E-1 FOR REQUIREMENTS AND ADDITIONAL INFORMATION.
- 14 PROVIDE 1#10(HOT) 1#10 (DEDICATED NEUTRAL), 1#10GRD-3/4". REFER TO AQUATIC DRAWINGS FOR ADDITIONAL INFORMATION.



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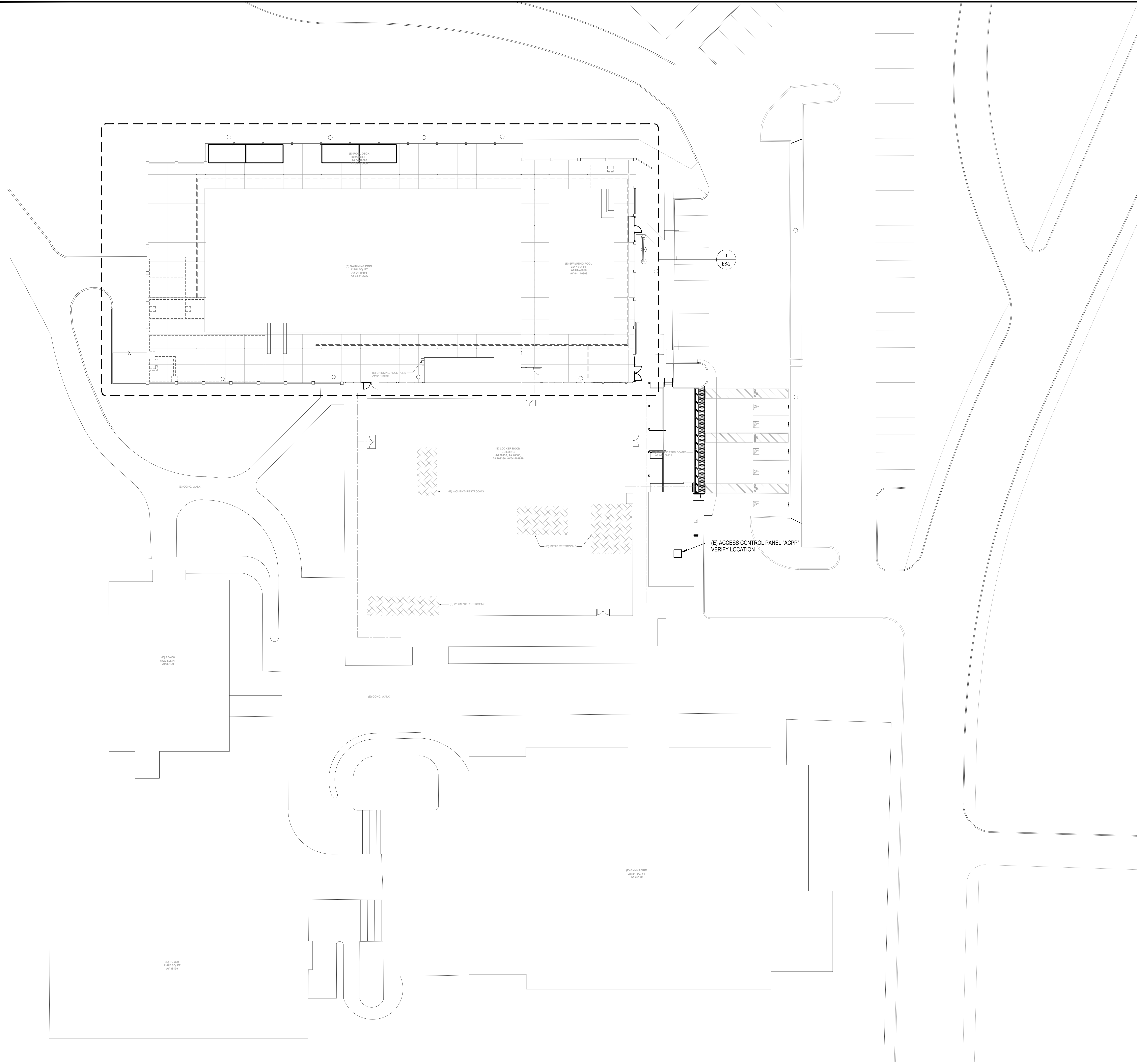
**SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT**
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

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drawn by:	checked by:
date:	2/23/2021
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ELECTRICAL MECHANICAL
ROOM DEMO AND NEW PLANS

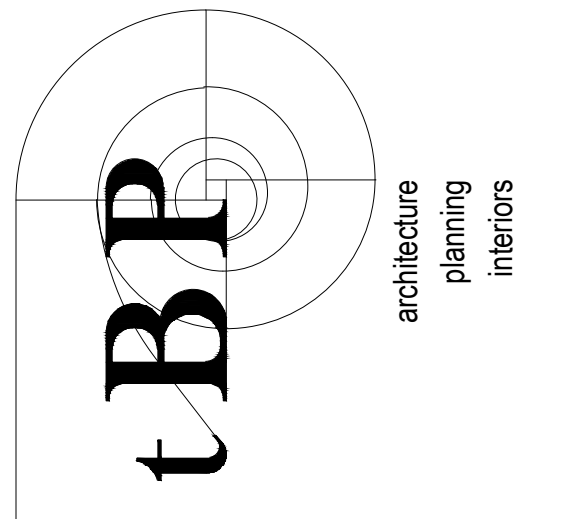
drawing no.:
E-2
drawing of #



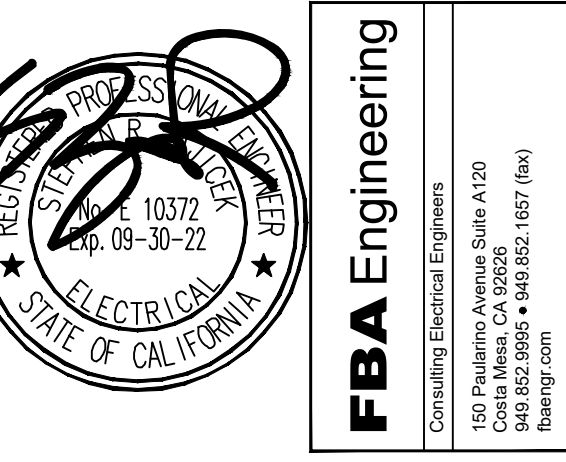
OVERALL ELECTRICAL SITE PLAN 1
SCALE: 1"=20'-0"

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SWIMMING POOL REFURBISHMENT**
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

owner

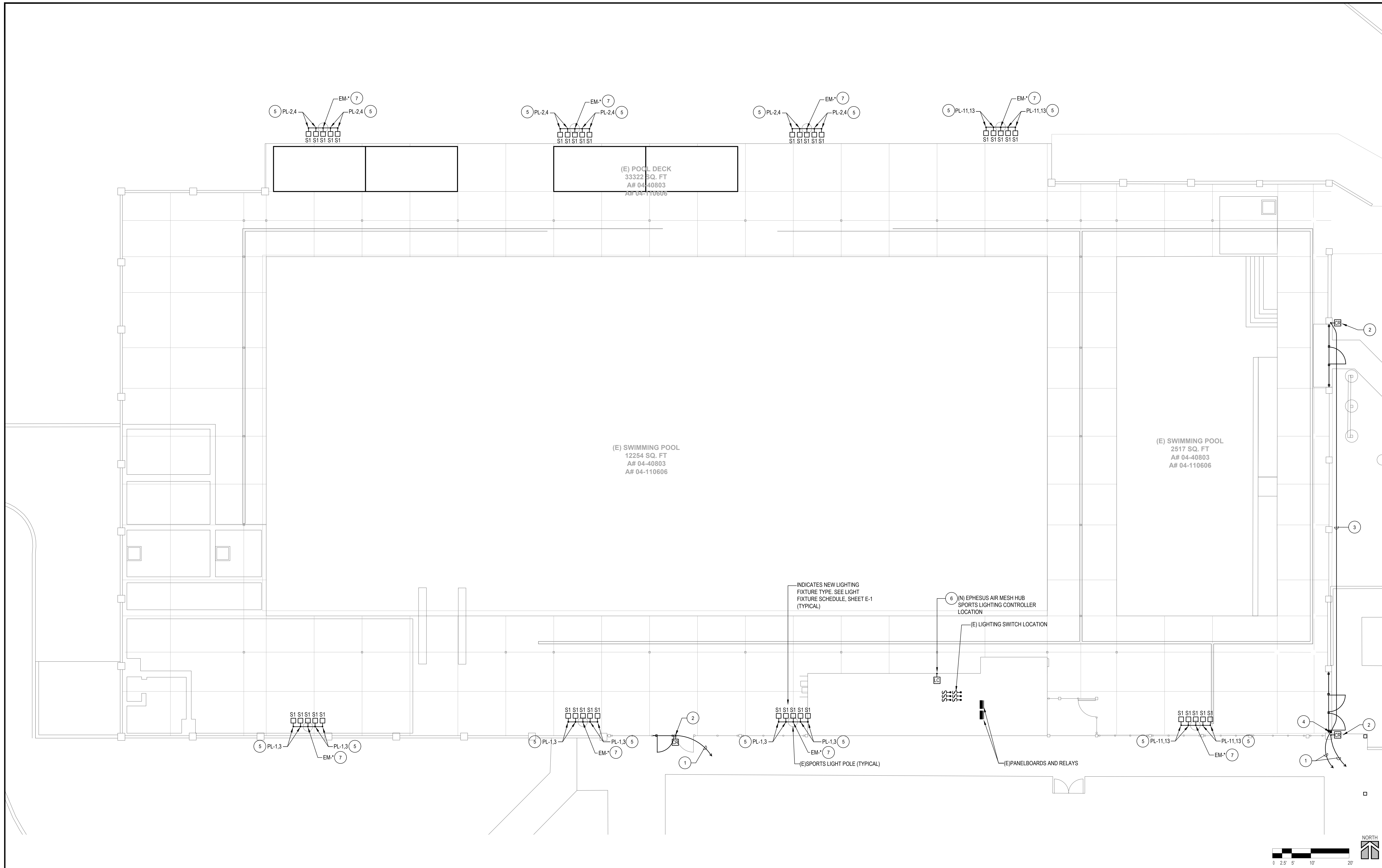
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drawing title:
**OVERALL ELECTRICAL
SITE PLAN**

drawing no.:
ES-1
drawing of #

FBA Engineering / Plot Date: 10/21/2021 3:21 PM / Drawing Location: I:\212278\ES-2_212278.dwg



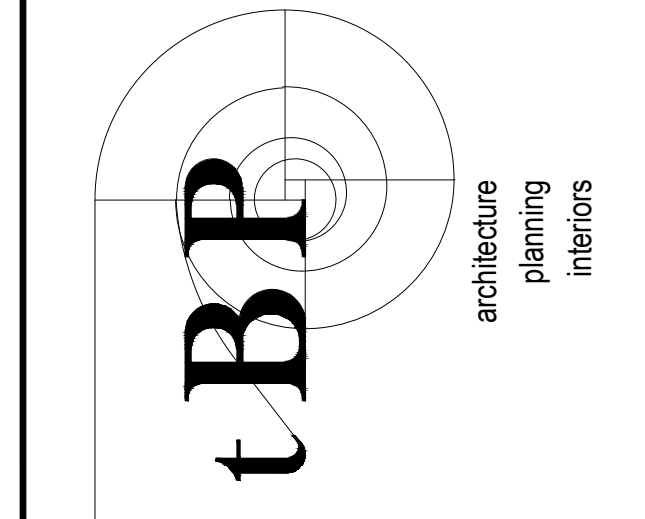
ENLARGED POOL SPORTS LIGHTING PLAN SCALE: 1/8" = 1'-0" 1

PLAN NOTES

- 1 PROVIDE AND INSTALL 1" CONDUIT WITH ACCESS CONTROL WIRING BACK TO EXISTING ACCESS CONTROL PANEL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ROUTE CONDUIT UP TO COVERED WALKWAY AND OVER TO ACCESS CONTROL PANEL. VERIFY EXACT LOCATION OF ACCESS CONTROL PANEL.
- 2 PROVIDE AND INSTALL NEW ACCESS CONTROL CARD READER/KEYPAD TO MATCH EXISTING ON CAMPUS.
- 3 PROVIDE AND INSTALL UNDERGROUND 1" CONDUIT WITH ACCESS CONTROL WIRING BACK TO EXISTING ACCESS CONTROL PANEL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- 4 RISER CONDUIT AND WIRING UP FROM BELOW GROUND TO ABOVE COVERED WALKWAY.
- 5 CONNECT TO EXISTING CIRCUITS INDICATED.
- 6 PROVIDE NEW SPORTS LIGHTING CONTROL STATION IN LOCATION INDICATED. INTERCEPT EXISTING LIGHTING CONTROL WIRING AT THE EXISTING SWITCH LOCATIONS AND EXTEND TO LOCATION OF NEW LIGHTING CONTROLLER IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. VERIFY EXACT LOCATION OF EXISTING AND NEW LIGHTING CONTROLS. PROVIDE ANCHOR IN TO WALL AT EACH OF (4) CORNERS. PROVIDE (4) 1/4" DIA. HILTI KB3 ESR-1385
- 7 CONNECT TO EXISTING WIRING FOR REMOVED FIXTURE. INTERCEPT EXISTING WIRING AT THE PANEL AND EXTEND TO EMERGENCY PANEL LOCATED IN BUILDING. PROVIDE NEW 20A/2P CIRCUIT BREAKER IN THE EXISTING EMERGENCY PANEL FOR LIGHTS INDICATED. UPDATE PANEL DIRECTORY. ROUTE CIRCUIT THROUGH SPORTS LIGHTING CONTROLLER.

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APP: 04-120421 INC.
REVIEWED FOR
SS FLS ACS
DATE: 11/09/2021

AE 04 - 188888
DIVISION OF THE STATE ARCHITECT
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tBP Architecture
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consultant

**SADDLEBACK COLLEGE
SWIMMING POOL REFURBISHMENT**
SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
28000 MARGUERITE PKWY
MISSION VIEJO, CA 92692

owner

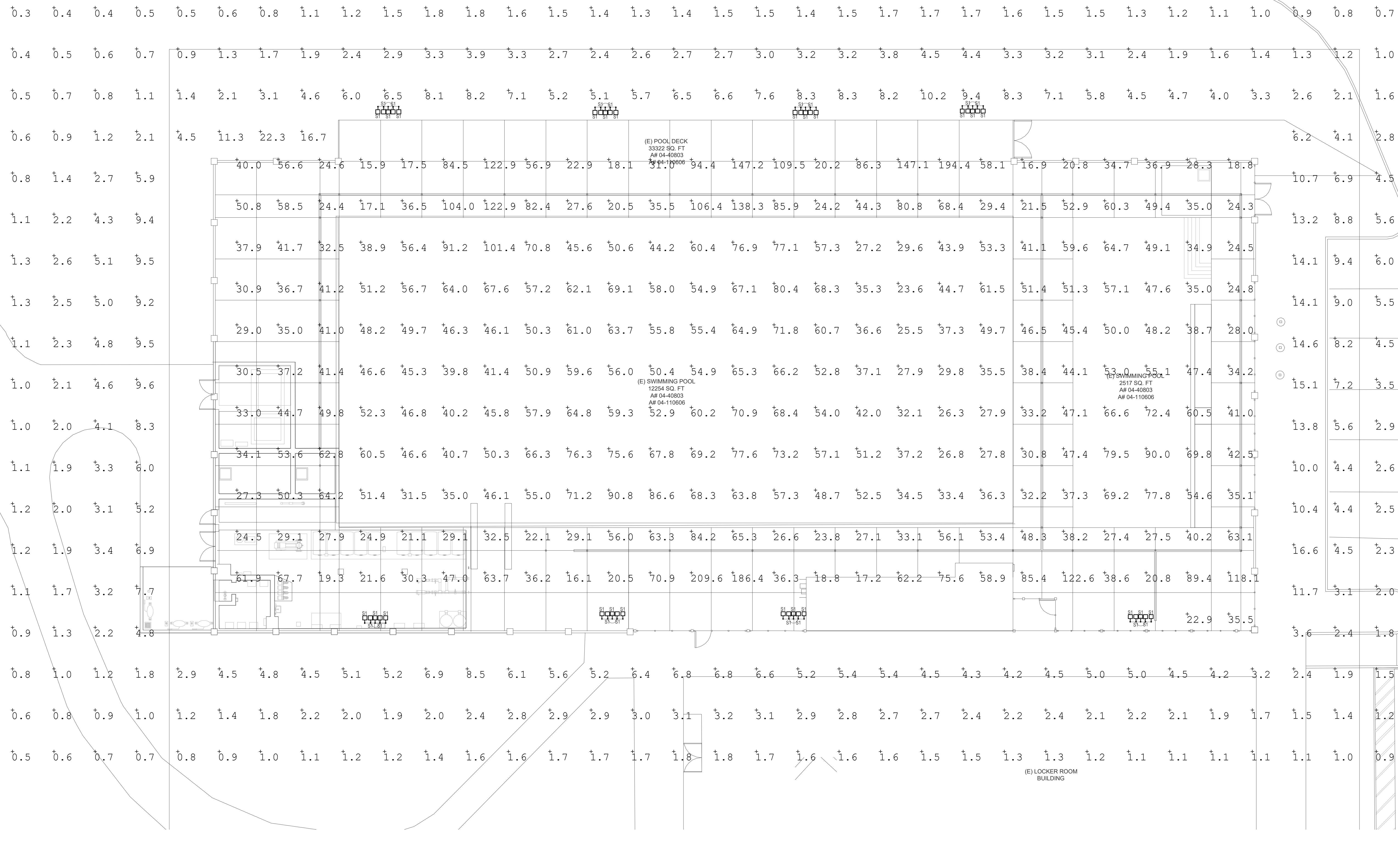
tBP project number :	21057.00
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drawn by:	checked by:
date:	2/23/2021
Rev:	date description:

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drawing title:
ENLARGED POOL SPORTS LIGHTING PLAN

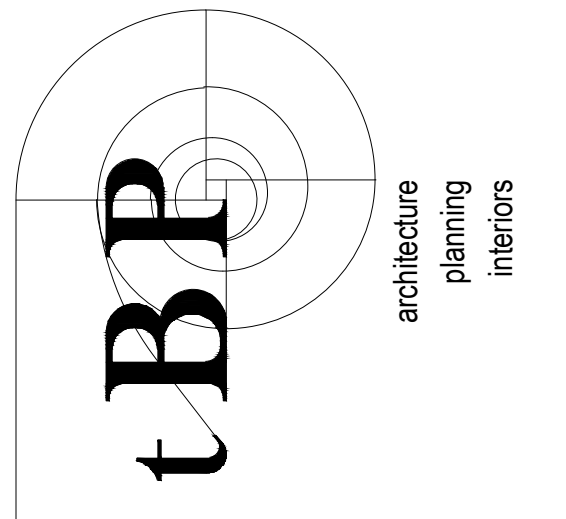
drawing no.:
ES-2
drawing of #

DRAWING AREA AND VIEWPORT SIZE FOR FLOOR AND REFLECTED PLANS



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drawing title:
**ENLARGED POOL SPORTS
 LIGHTING CALCULATIONS**

drawing no.:
ES-3
 drawing of #

ENLARGED POOL SPORTS LIGHTING CALCULATIONS

SCALE: 3/32" = 1'-0"

1

Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
● □	40	LF2	SINGLE	Cooper ephesus EPH-08-0320L-57-70-3S-VHE

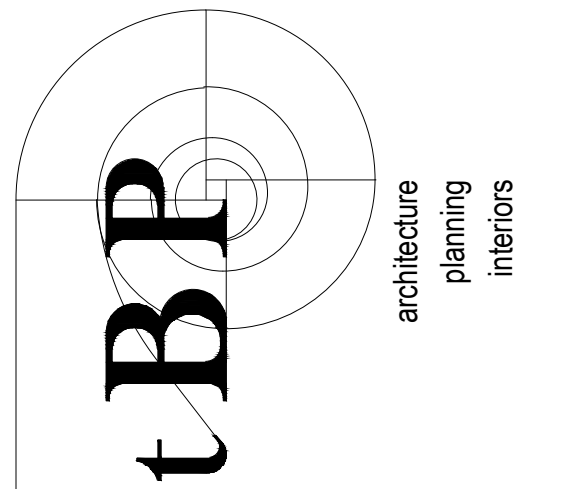
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Deck	Illuminance	Fc	52.14	209.6	15.9	3.28	13.18
Light Spill Outside Project in existing Area	Illuminance	Fc	3.59	22.3	0.3	11.97	74.33

KEY NOTES

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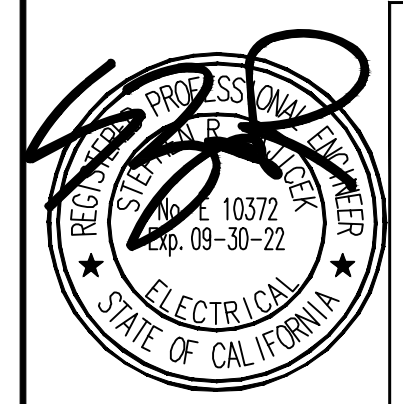
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**SADDLEBACK COLLEGE
 SWIMMING POOL REFURBISHMENT**
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owner

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date: 2/23/2021

Rev: date: description:

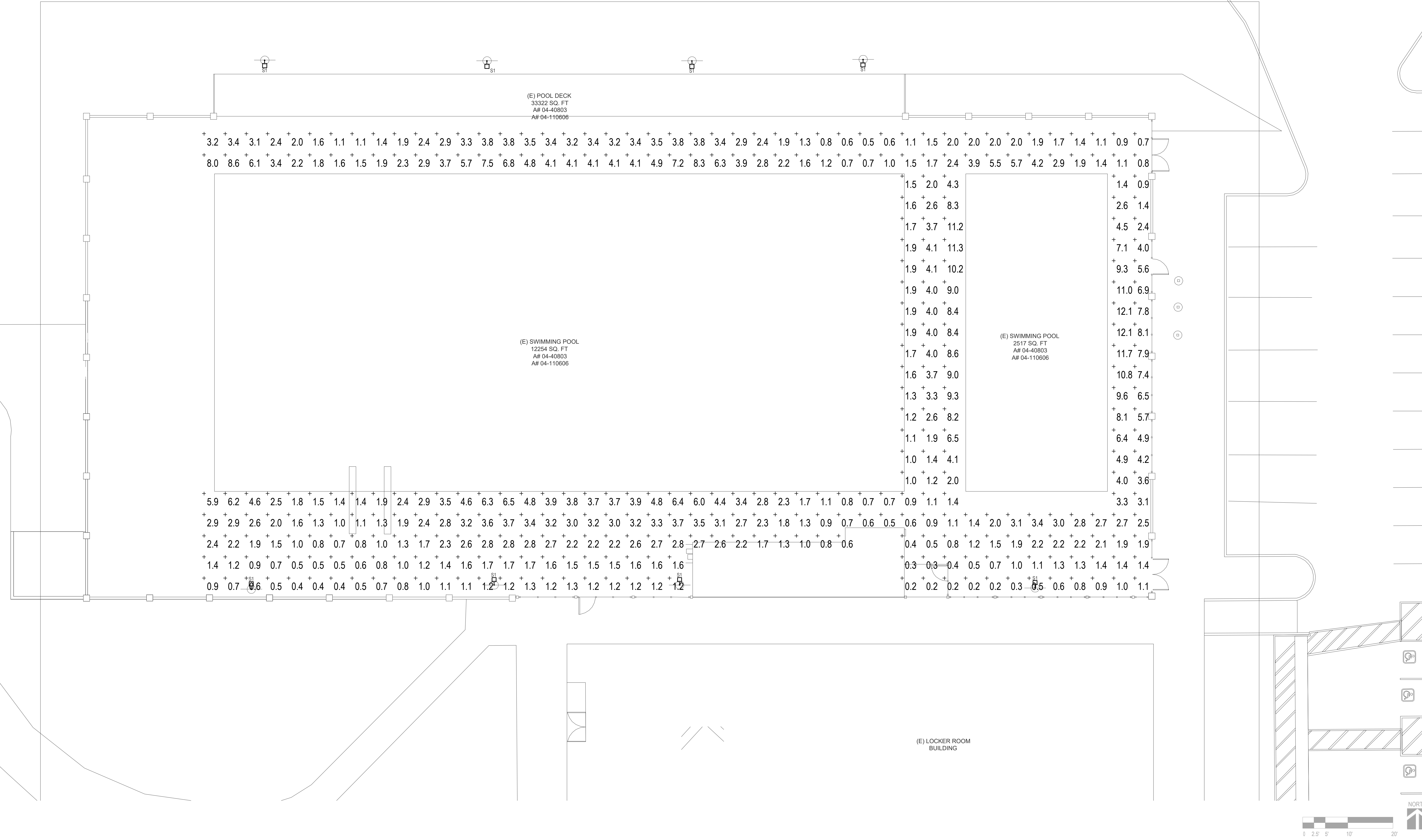
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drawing title:
ENLARGED POOL EGRESS LIGHTING CALCULATIONS

drawing no.:

ES-4
 drawing of #



ENLARGED POOL EGRESS LIGHTING CALCULATIONS

SCALE: 3/32" = 1'-0"

1

Symbol	Qty	Label	Arrangement	Description
	8	LF2	SINGLE	Cooper ephesus EPH-08-0320L-57-70-3S-VHE

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Egress Lighting	Illuminance	Fc	2.8	12.1	0.2	14.0	60.5

KEY NOTES

(E) COMPETITION POOL DATA

SURFACE AREA	=	12,322 SQ. FT.
PERIMETER	=	478 FT.
DEPTHS	=	4'-6" TO 13'-3"
VOLUME	=	746,922 GAL.
6 HR TURNOVER	=	2,075 GPM

(E) THERAPY POOL DATA

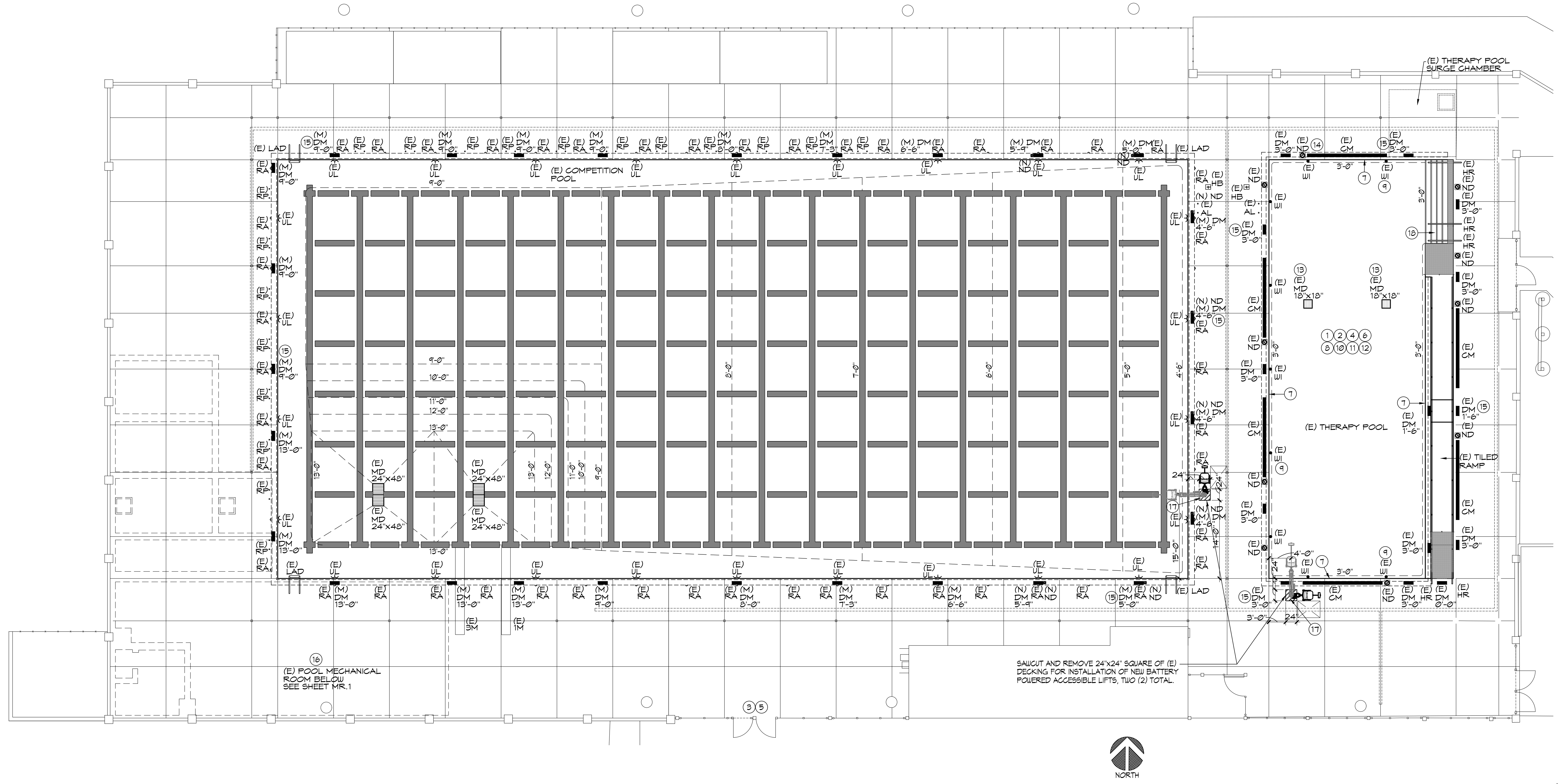
SURFACE AREA	=	2,424 SQ. FT.
PERIMETER	=	216 FT.
DEPTHS	=	0'-0" TO 3'-0"
VOLUME	=	50,814 GAL.
4.5 HR TURNOVER	=	188 GPM

LEGEND

DM	=	DEPTH MARKER
CM	=	CAUTION MARKER
RP	=	RACING PLATFORM
LAD	=	LADDER
MD	=	MAIN DRAIN
HR	=	HANDRAIL
UL	=	UNDERWATER LIGHT
ND	=	NO DIVING MARKER
1M	=	ONE METER DIVE STAND
3M	=	THREE METER DIVE STAND
W	=	WALL INLET
(E)	=	EXISTING
(M)	=	MODIFIED
AL	=	ACCESSIBLE LIFT
HB	=	HOSE BIB
WL	=	WATERLINE

THERAPY POOL DEMOLITION/CONSTRUCTION NOTES

- 1 CARE IS TO BE TAKEN DURING POOL DRAIN DOWN, TO RELIEVE ANY HYDROSTATIC PRESSURE THROUGH EXISTING HYDROSTATIC RELIEF VALVES AND DRAINING THE POOL SLOWLY.
- 2 THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH OTHER TRADES, AND SHALL PROTECT ALL EXISTING WORK, BUILDINGS, UTILITIES, ETC. TO REMAIN AS REQUIRED FOR RENOVATION OF SWIMMING POOL.
- 3 COORDINATE INGRESS/EGRESS AND HAUL ROUTES WITH THE OWNER PRIOR TO START OF WORK.
- 4 POOL PLAN VIEWS AND SECTIONS ARE SHOWN FOR CONTRACTOR INFORMATION AND ASSISTANCE. THE CONTRACTOR IS RESPONSIBLE FOR INDIVIDUAL SQUARE FOOTAGE TAKE-OFFS AND ESTIMATIONS WITH REGARD TO DEMOLITION PREPARATION, AS WELL AS MEANS AND METHODS OF CONSTRUCTION. CONTRACTOR SHALL VISIT THE SITE AS REQUIRED TO ACCOMPLISH THE WORK, AND TO BECOME FAMILIAR WITH SCOPE AND SERVICES OF WORK REQUIRED.
- 5 COORDINATE PROPOSED CONTRACTOR STAGING AREA WITH THE OWNER PRIOR TO CONSTRUCTION. PROVIDE TEMPORARY PHONE, TOILET(S), FENCING, GATES, ETC. AS REQUIRED.
- 6 REMOVE AND REPLACE EXISTING THERAPY POOL DAMAGED WATERLINE TILE, GUTTER GAP TILE AND RAMP TILE TO MATCH EXISTING. REMOVE EXISTING STEP TRIM TILE AND STEP TILE AND REPLACE WITH NEW TO MATCH EXISTING. PROVIDE NEW LANE LINE AND TARGET TILE AT THERAPY POOL. REMOVE EXISTING THERAPY POOL PLASTER FINISHES DOWN TO ORIGINAL SOUND CONCRETE/SHOTCRETE. ANY CRACKS SHALL BE CHIPPED OUT TO A MINIMUM TO 3/16"; AND THEN FILLED FLUSH WITH NON-SHRINK GROUT. ALL EXPOSED REBAR, RUST SPOTS, ETC. SHALL BE EXPOSED, BUSHED DOWN 1/2" BELOW FINISH SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. OTHER IMPERFECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO INSTALLING A NEW WHITE PLASTER FINISH.
- 7 CLEAN, REPAIR AND WATERPROOF EXISTING THERAPY POOL GUTTER(S) PER SPECIFICATIONS.
- 8 PROVIDE NEW TILE AND PLASTER FINISHES PER PLANS. REPLACE ANY DAMAGED OR LOST POOL FITTINGS AND GRATES LOST DURING DEMOLITION/CONSTRUCTION AS REQUIRED.
- 9 REPLACE WALL INLET COVER PLATES AND EYEBALL FITTING AND ANY DAMAGED INLETS COMPLETELY PER SPECIFICATIONS.
- 10 THE CONTRACTOR SHALL INSURE THAT ALL SURFACES ARE PREPARED TO RECEIVE PLASTER FINISH. WEATHER CONDITIONS SHALL BECOME A CRITICAL PART OF WORK AND SHALL BE TAKEN INTO CONSIDERATION AT THE TIME OF PLASTER APPLICATION.
- 11 THE CONTRACTOR SHALL PROVIDE A SUFFICIENT NUMBER OF WORKERS TO INSURE THAT THE ENTIRE POOL CAN BE PLASTERED IN A SINGLE DAY OR SHALL PROVIDE CONTINUAL MISTING OF PLASTERED SURFACES TO INSURE THAT PLASTER IS NOT EXPOSED TO THE AIR FOR A PERIOD OF TIME WHICH WOULD CAUSE DAMAGE IN ANY WAY.
- 12 THE OWNER SHALL IDENTIFY THE POOL FILL WATER SOURCE FROM CLOSEST FIRE HYDRANT AND SHALL PAY FOR THE WATER TO FILL THE POOL. THE CONTRACTOR IS RESPONSIBLE FOR FIRE HOSE, HOSES, FILLING AND PROTECTION OF PLASTER SURFACES. FILL SOURCE SHALL BE BLOWN-OFF INITIALLY TO PROVIDE A CLEAN DOMESTIC WATER SOURCE. THE CONTRACTOR SHALL PROVIDE CONTINUOUS FILL UNTIL THE WATER IS AT OPERATIONAL LEVEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND BALANCING OF THE POOL WATER FOR A PERIOD OF NOT LESS THAN SEVEN (7) DAYS AFTER PLASTER. THE CONTRACTOR SHALL COORDINATE HIS EFFORTS WITH OWNERS STAFF TO PROVIDE INSTRUCTION AND TRAINING IN PROPER OPERATION OF POOL IN CONJUNCTION WITH NEW PLASTER SURFACES.
- 13 THE CONTRACTOR SHALL REMOVE AND INSTALL NEW 18" x 18" MAIN DRAINS, FRAMES AND GRATES. THE CONTRACTOR SHALL PROVIDE VG&A CERTIFICATION TO THE OWNER AND HEALTH DEPARTMENT.
- 14 CONTRACTOR IS TO PHOTOGRAPH AND DOCUMENT ON A PLAN ANY AND ALL EXISTING DAMAGED ITEMS/SURFACES/FINISHES IN AND IMMEDIATELY AROUND THE WORK AREA AND ALONG ALL WORK PATHS FROM STAGING AREA PRIOR TO THE START OF WORK. CONTRACTOR IS TO SITE WALK ALL EXISTING DAMAGED AREAS WITH THE OWNER AND PROVIDE A COPY OF THE PHOTOGRAPHS AND DOCUMENTATION BEFORE WORK BEGINS. FAILURE TO PROVIDE THIS INFORMATION REPRESENTS ACCEPTANCE BY THE CONTRACTOR THAT ALL EXISTING SURROUNDING FINISHES (CONCRETE, AC PAVING FLOORING, ETC.) AND ALL GATES, DOORS, PATHWAYS, ETC. ARE UNDAMAGED AND IN CLEAN AND FUNCTIONING CONDITION, AND CONTRACTOR ACCEPTS THE RESPONSIBILITY TO MAINTAIN AND CORRECT ANY DAMAGE LATER FOUND BY THE OWNER DURING CONSTRUCTION PERIOD IN THESE AREAS AT NO EXPENSE TO THE OWNER.
- 15 MODIFY ALL EXISTING COMPETITION POOL AND THERAPY POOL DEPTH MARKERS AND INCORPORATE FT AND IN AND INTERNATIONAL NO DIVING INTO SHALLOW END MARKERS PER PLANS AND CODE. MODIFY IN SAME LOCATIONS INCLUDING DECK AND CANTILEVER FACE MARKERS, 54 TOTAL AT COMPETITION POOL AND 28 TOTAL AT THERAPY POOL.
- 16 REFER TO MR.1 FOR DEMOLITION OCCURRING WITHIN (E) POOL MECHANICAL ROOM.
- 17 SAWCUT AND REMOVE 24"x24" SQUARE OF (E) DECKING FOR INSTALLATION OF NEW BATTERY POWERED ACCESSIBLE LIFTS, TWO (2) TOTAL.
- 18 REVISE EXISTING THERAPY POOL STAIRS TO COMPLY WITH 11B-1009.6. EXTEND RISERS AND TREADS. RELOCATE EXISTING HANDRAIL TO 24" E TO E TO COMPLY AS ALTERNATE ACCESSIBLE MEANS OF ENTRY.



EXISTING COMPETITION POOL / THERAPY POOL DEMOLITION PLAN

1/8"=1'-0"

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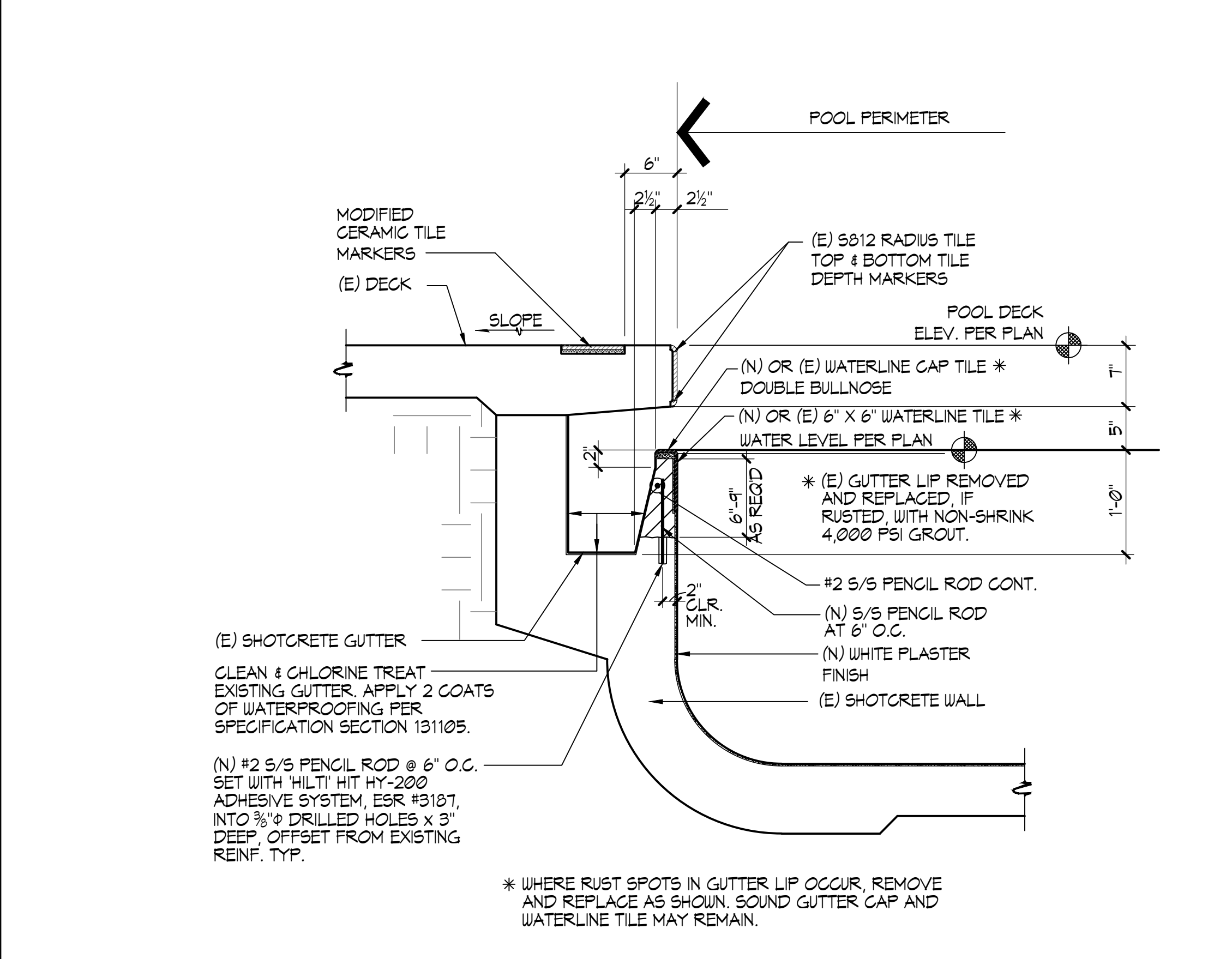
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 SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
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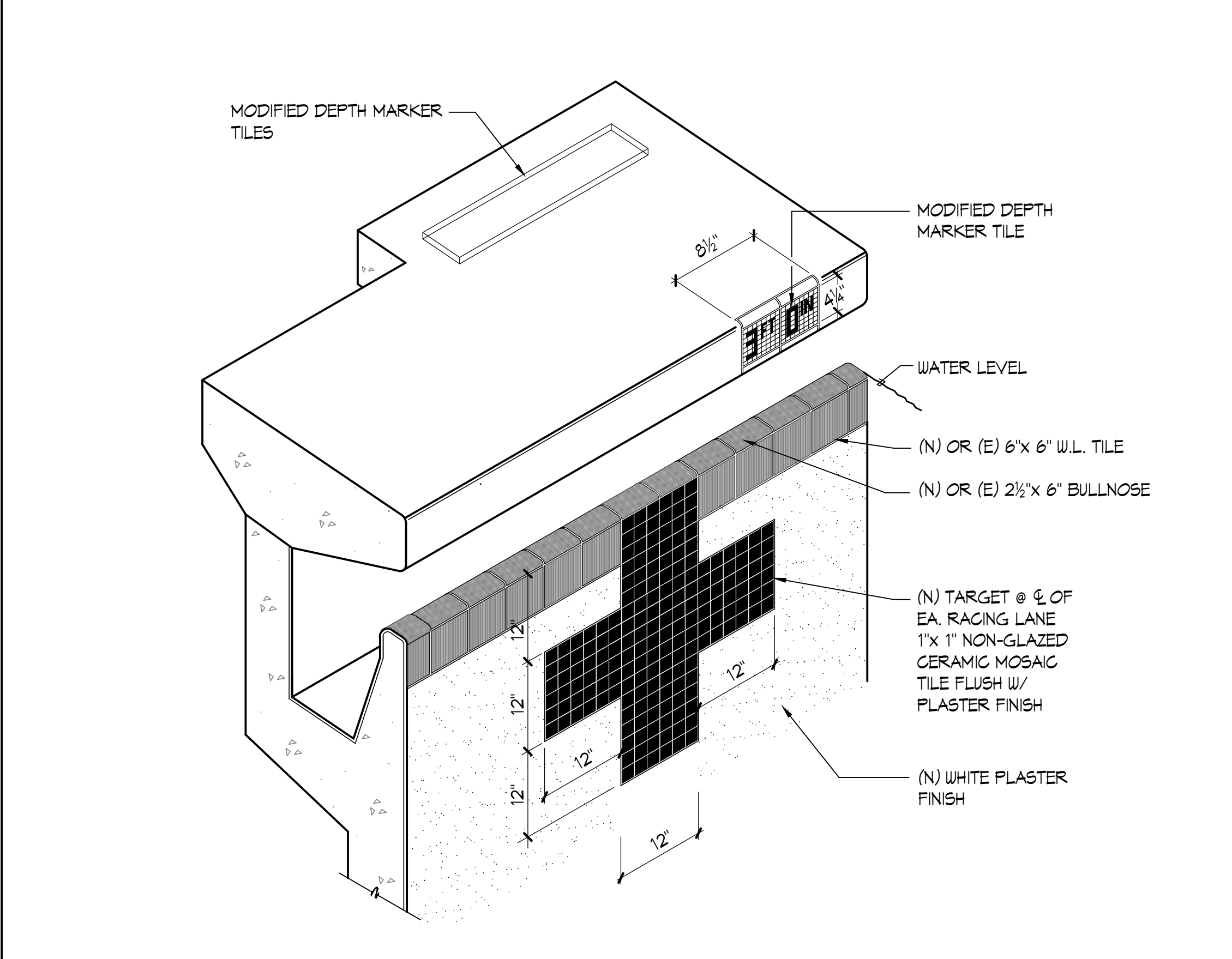
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drawn by:	NFC	checked by: SJF
date:	10/14/2021	
Rev:	date:	description:

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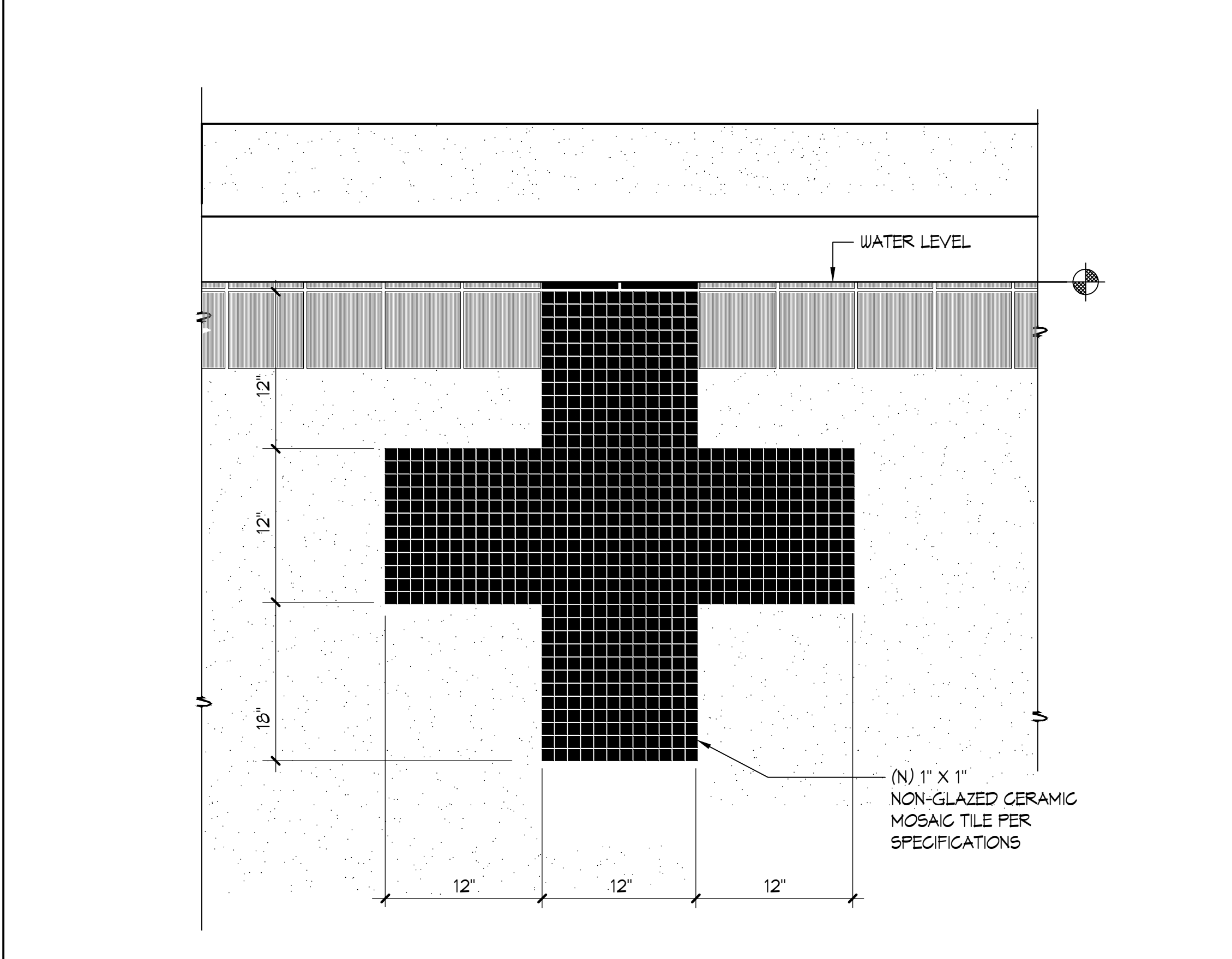
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drawing no.:	SP.1
drawing	of #



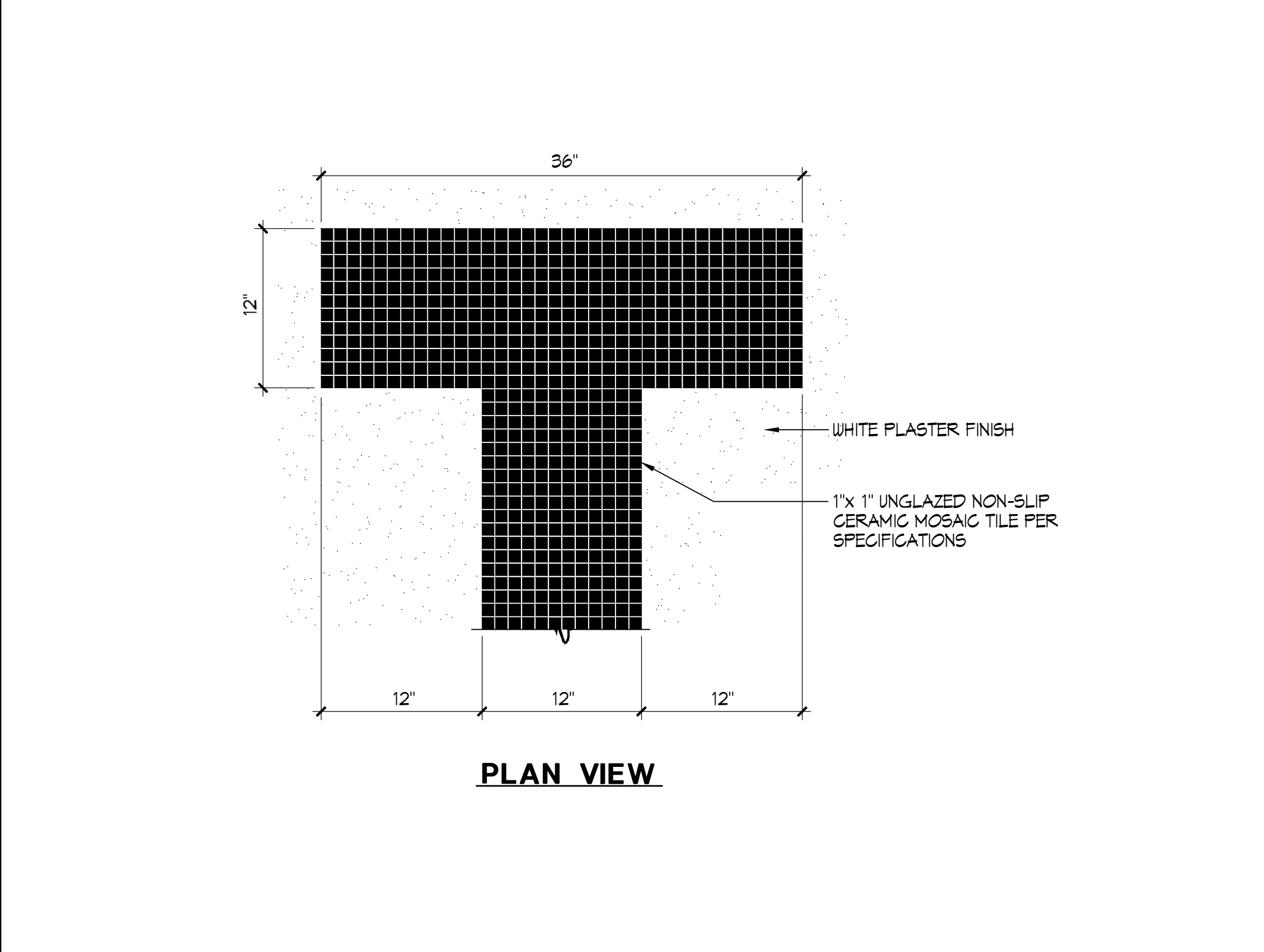
1 (E) GUTTER DETAIL 1"=1'-0"



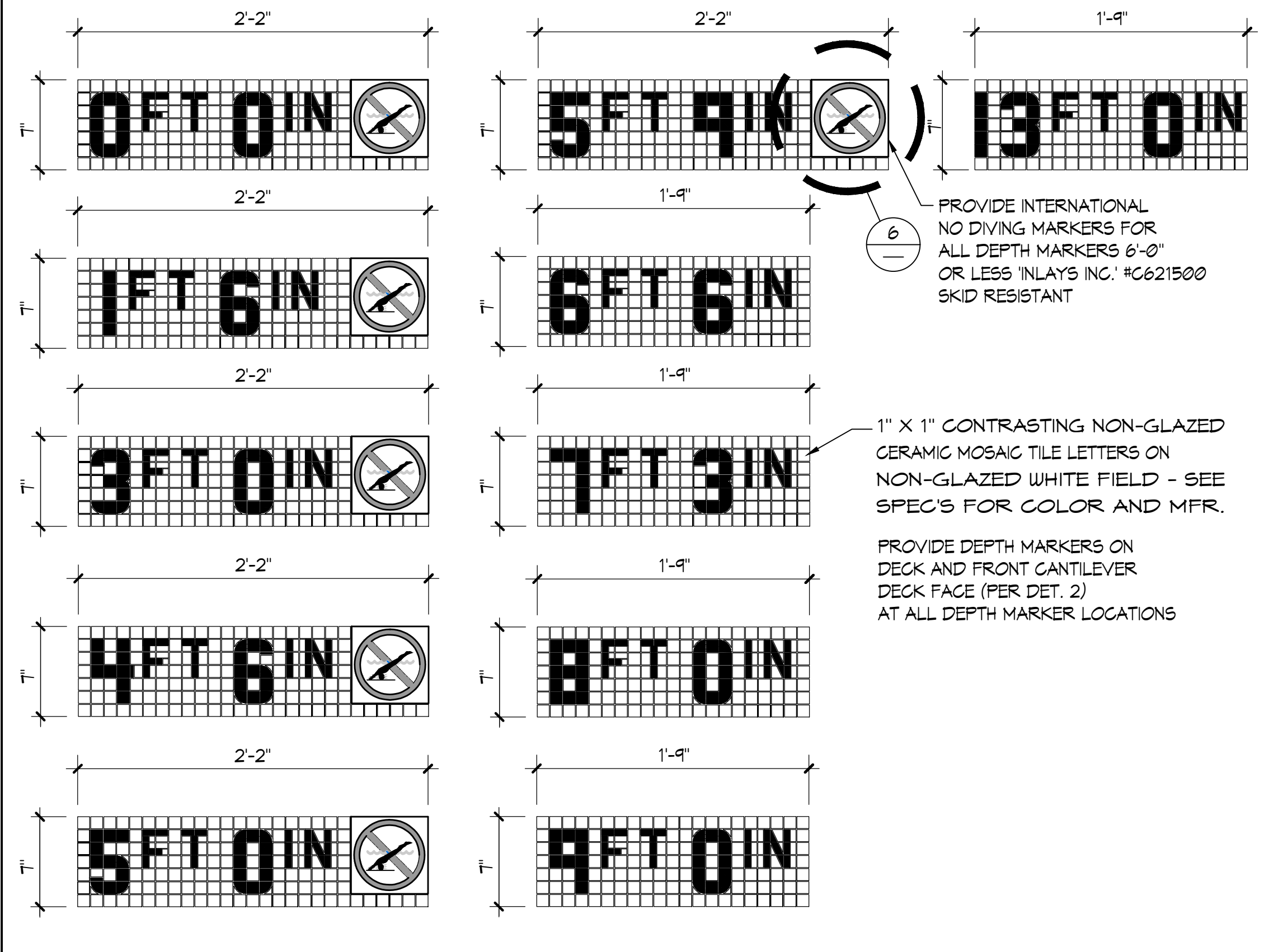
2 (N) DEEP GUTTER PERSPECTIVE NO SCALE



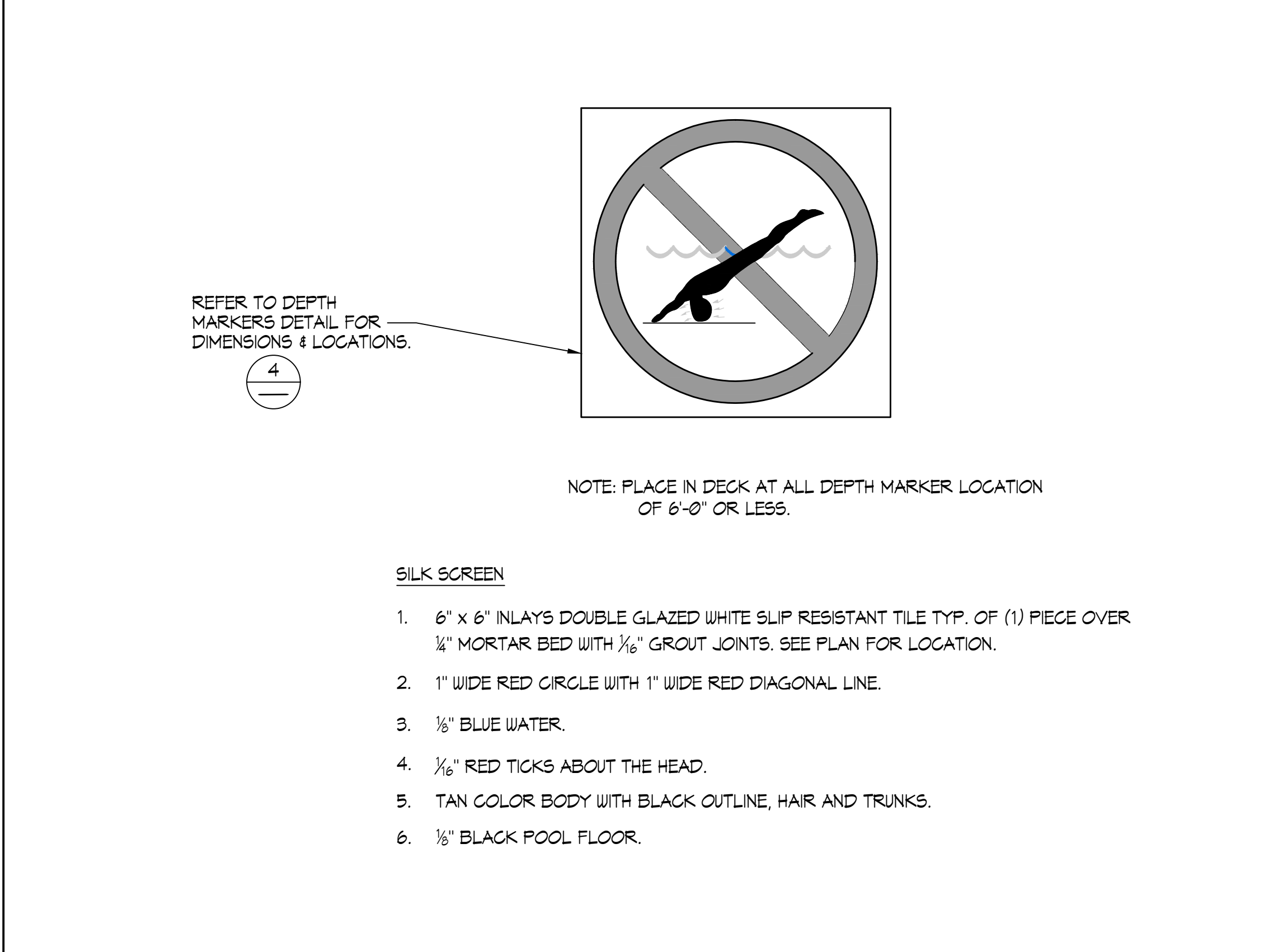
3 (N) END WALL TARGET 1/2" = 1'-0"



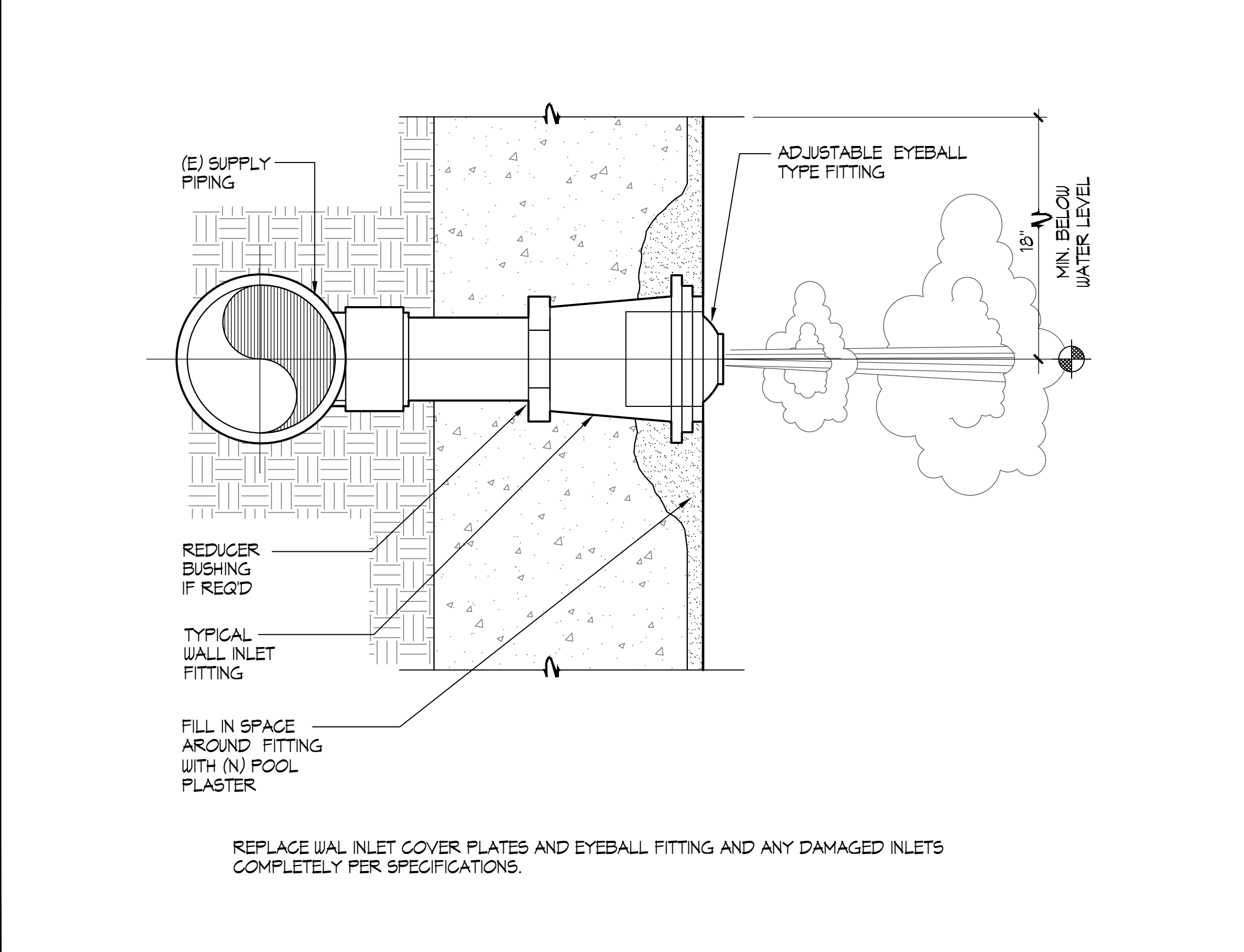
4 (N) RACING LANE LINE



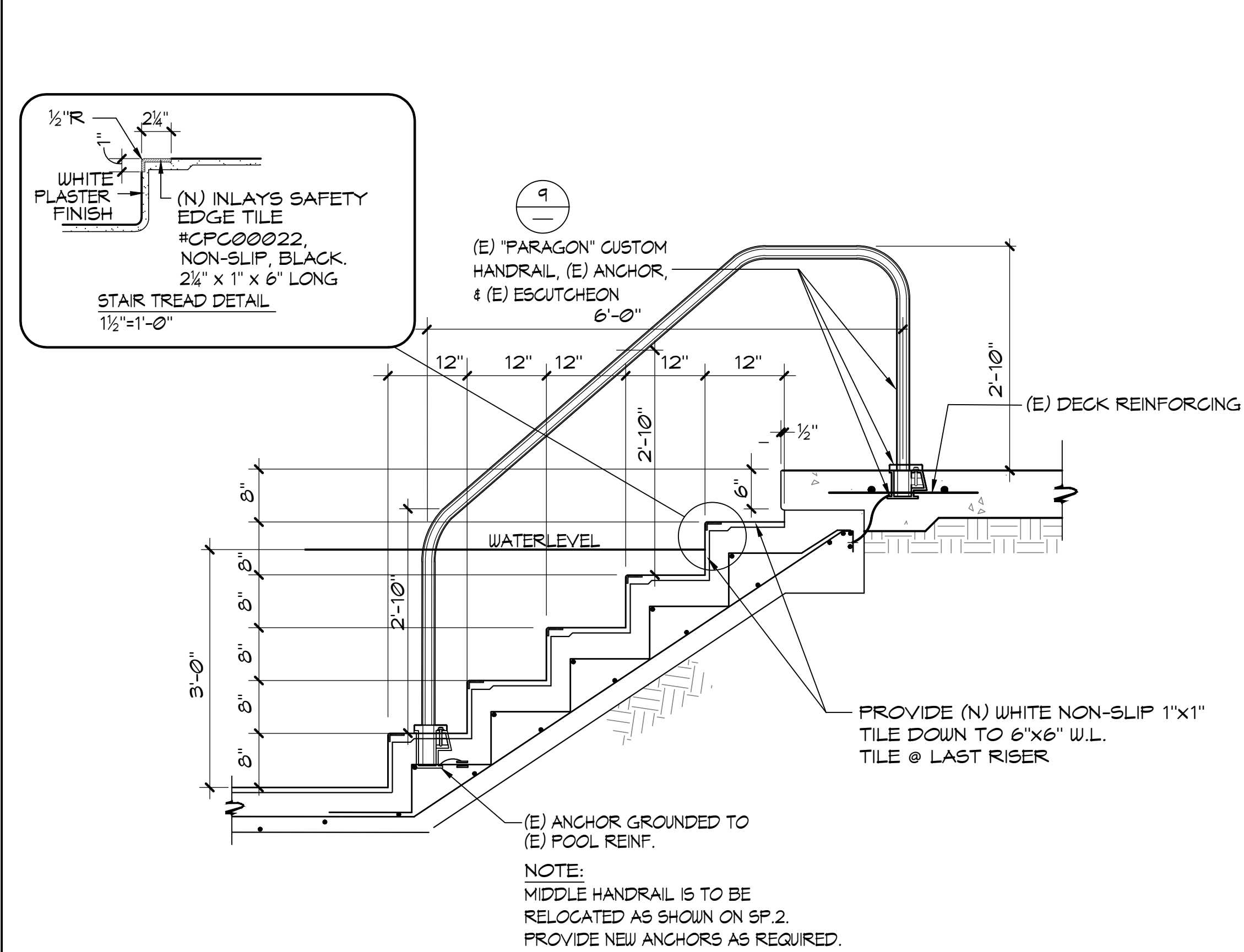
5 MODIFIED DEPTH MARKERS 1/2" = 1'-0"



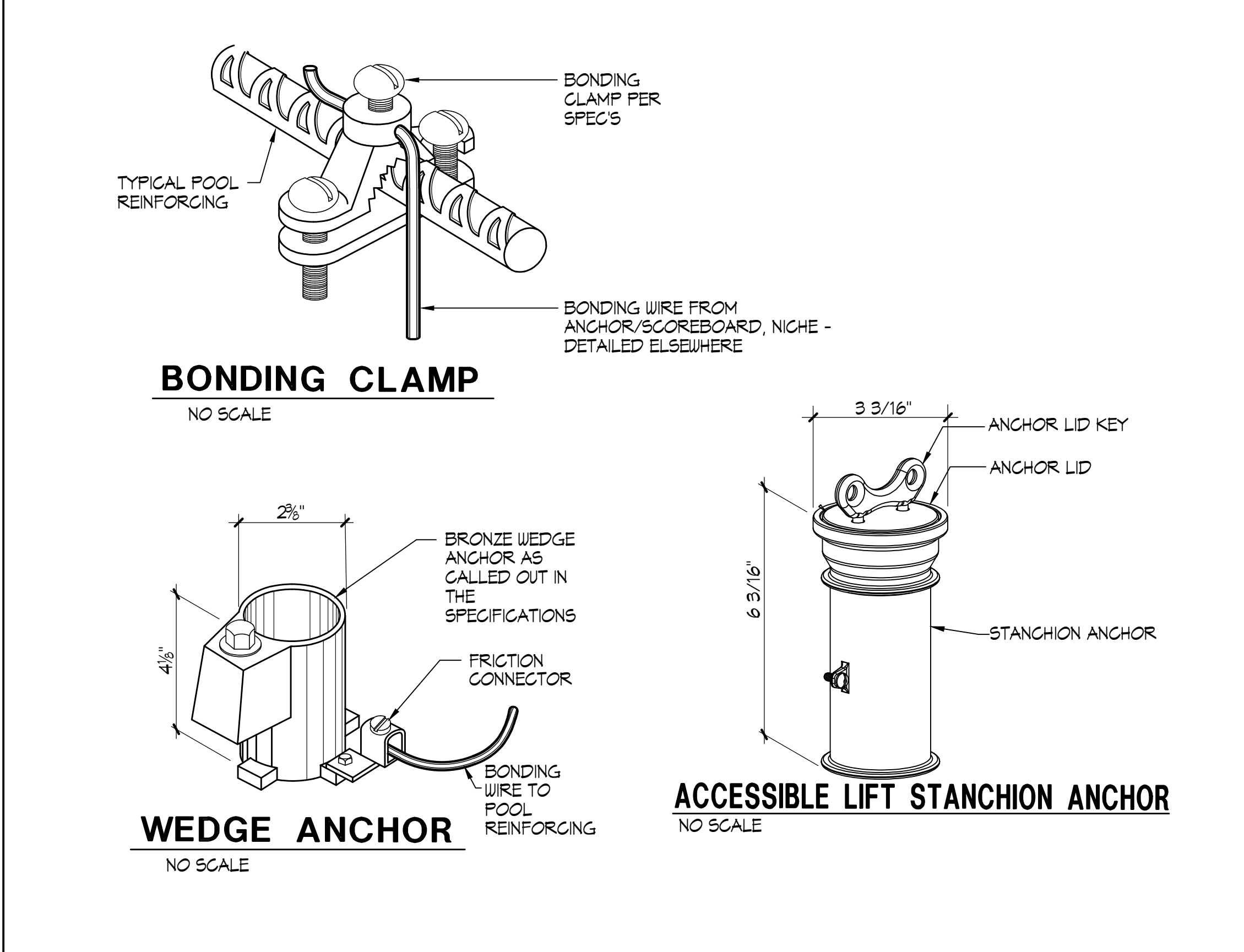
6 (N) INTERNATIONAL "NO DIVING" MARKER 3"=1'-0"



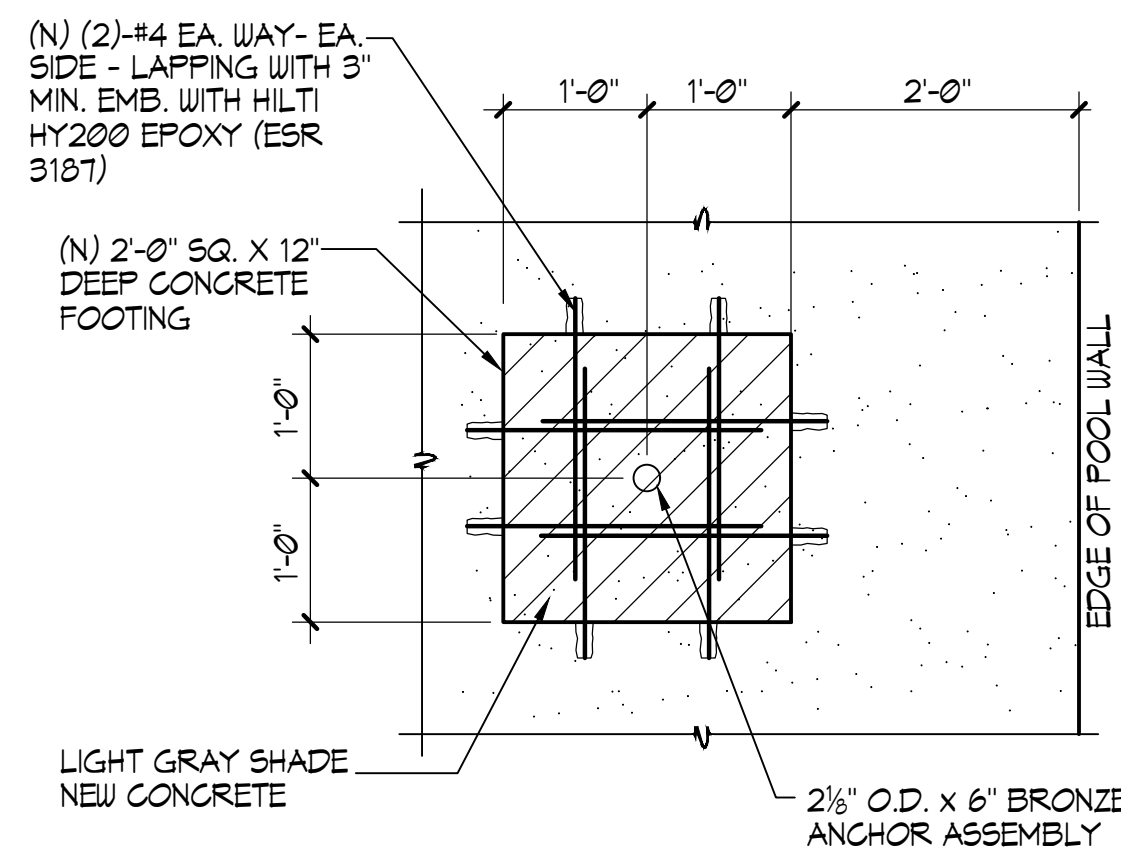
7 (E) WALL INLET NO SCALE



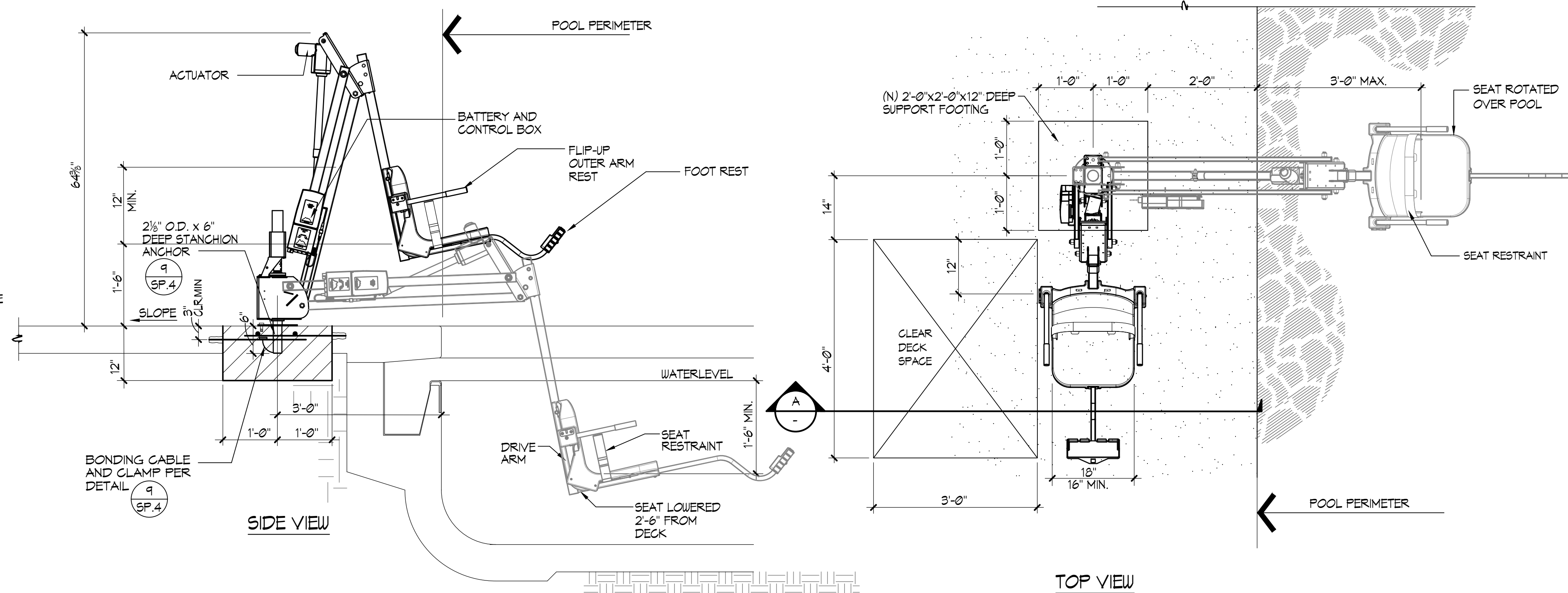
8 (E) HANDRAIL DETAIL 3/4" = 1'-0"



9 BONDING DETAILS NO SCALE



TOP VIEW FOOTING DETAIL



NOTES:

1. 'AQUA CREEK' MIGHTY 400 #F-MTY400 (350 lb. MIN. AND 400 lb. MAX. LIFTING CAPACITY)
2. GUSSET COVER PLATE TO BE ATTACHED REQUIRING A TOOL FOR REMOVAL.
3. CONTRACTOR SHALL PROVIDE COVER FOR LIFT 'AQUA CREEK' MIGHTY, EXTRA BATTERY PACK 'AQUA CREEK' #F-004AB, TRANSPORTER CART 'AQUA CREEK' #F-MTC, AND 'AQUA CREEK' SCOUT/MIGHTY STANDARD ANCHOR SOCKET #F-008BA.
4. REFER TO ARCH. PLANS FOR LOCATION OF DISABLED LIFT BATTERY CHARGE STATION. PROVIDE 'AQUA CREEK' CHARGER # F-044GH.
5. POOL LIFT SHALL BE LOCATED WHERE THE WATER LEVEL IS AT LEAST 36" AND DOES NOT EXCEED 48" DEEP, UNLESS ENTIRE POOL IS GREATER THAN 48" DEEP. (CBC SECTION 11B-1009.2.1)
6. ON THE RAISED POSITION, THE CENTERLINE OF THE SEAT SHALL BE LOCATED OVER THE DECK AND 16" MINIMUM FROM THE EDGE OF THE POOL. THE DECK SURFACE BETWEEN THE CENTERLINE OF THE SEAT AND THE POOL EDGE SHALL HAVE A 2% MAX. SLOPE. (CBC SECTION 11B-1009.2.2)
7. CLEAR DECK SPACE SHALL BE PROVIDED ON SIDE OF SEAT OPPOSITE THE WATER PARALLEL TO THE WATER 36" WIDE X 48" MINIMUM FROM A LINE LOCATED 12" BEHIND THE REAR EDGE OF THE SEAT. THE CLEAR SPACE SHALL HAVE A 2% MAX. SLOPE. (CBC SECTION 11B-1009.2.3)
8. THE HEIGHT OF THE LIFT SEAT SHALL BE DESIGNED TO ALLOW A STOP AT 17" MIN. TO 19" MAX. MEASURED FROM THE DECK TO THE TOP OF THE SEAT SURFACE WHEN IN THE RAISED POSITION. (CBC SECTION 11B-1009.2.4)
9. THE SEAT SHALL BE RIGID AND 17" MIN. TO 19" MAX. WIDE. THE LIFT SEAT SHALL HAVE A BACK SUPPORT 12" MIN. TALL. (CBC SECTION 11B-1009.2.4)
10. FOOTRESTS SHALL BE PROVIDED, EXCEPT FOR SPA LIFTS, AND SHALL MOVE WITH THE SEAT. LIFT SHALL HAVE TWO ARMRESTS. THE ARMREST POSITIONED OPPOSITE THE WATER SHALL BE REMOVABLE OR SHALL FOLD CLEAR OF THE SEAT WHEN THE SEAT IS IN THE RAISED POSITION. (CBC SECTION 11B-1009.2.6)
11. THE LIFT SHALL BE CAPABLE OF UNASSISTED OPERATION FROM BOTH THE DECK AND WATER LEVELS. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL BE UNOBSTRUCTED WHEN THE LIFT IS IN USE (CBC SECTION 11B-309.4). LIFT MUST BE STABLE AND NOT PERMIT UNINTENDED MOVEMENT WHEN A PERSON IS GETTING INTO OR OUT OF THE SEAT. (CBC SECTION 11B-1009.2.7)
12. THE LIFT SHALL BE DESIGNED SO THAT THE SEAT WILL SUBMERGE TO A WATER DEPTH OF 18" MIN. BELOW THE STATIONARY WATER LEVEL. (CBC SECTION 11B-1009.2.8)
13. LIFT SEAT MUST HAVE AN OCCUPANT RESTRAINT FOR USE BY THE OCCUPANT OF THE SEAT AND THE RESTRAINT MUST MEET THE STANDARDS FOR OPERABLE CONTROLS IN COMPLIANCE WITH CBC SECTION 11B-1009.2.4 AND SECTION 11B-309.

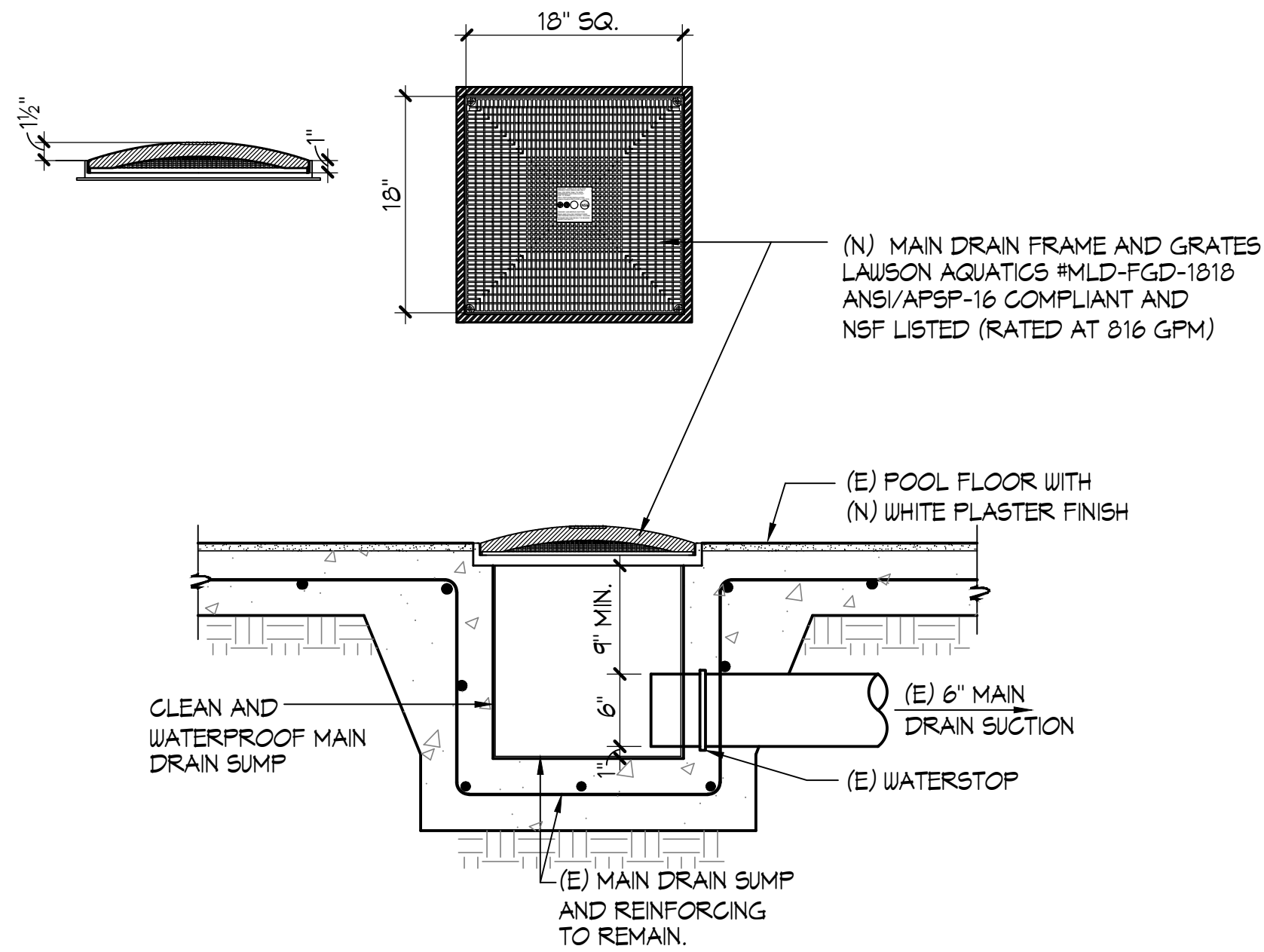
ACCESSIBLE LIFT

3/4" = 1'-0"

CONCRETE NOTES:

1. THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS WITH A 0.40-0.45 MAX. WATER/CEMENT RATIO
POOL = 4000 PSI
SLAB-ON-GRADE = 4000 PSI
2. CONTINUOUS INSPECTION BY AN APPROVED INSPECTOR IS REQUIRED OF ALL CONCRETE PLACEMENT.
3. ALL CEMENT USED SHALL CONFORM TO A.S.T.M. C-150 TYPE II
4. FINE AND COARSE AGGREGATE SHALL CONFORM TO A.S.T.M. C-33. MAXIMUM SIZE OF AGGREGATE TO BE 1".
5. CONCRETE MIX DESIGNS SHALL BE BASED UPON ACI-318 SECTIONS 19.3.2 AND 26.4.2.
6. CONCRETE SHALL BE TESTED AND INSPECTED PER SECTION CBC 1105A.3 AND 1405A.1.15.
7. REMOVAL OF FORMS SHALL COMPLY WITH ACI-318 SECTION 26.11.2.
8. ALL REINFORCING SHALL BE ASTM A-615, GRADE 60, UNLESS OTHERWISE NOTED. LAPS SHALL BE 64 BAR DIA.

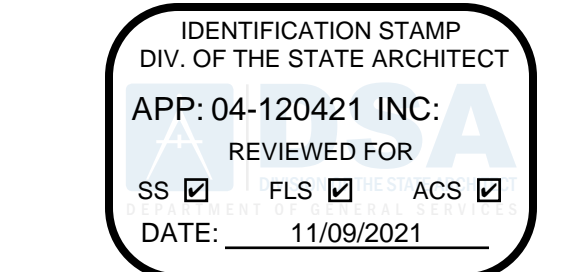
NOTE:
SEE SPECIFICATION SECTION 131102 FOR ADDITIONAL INFORMATION.



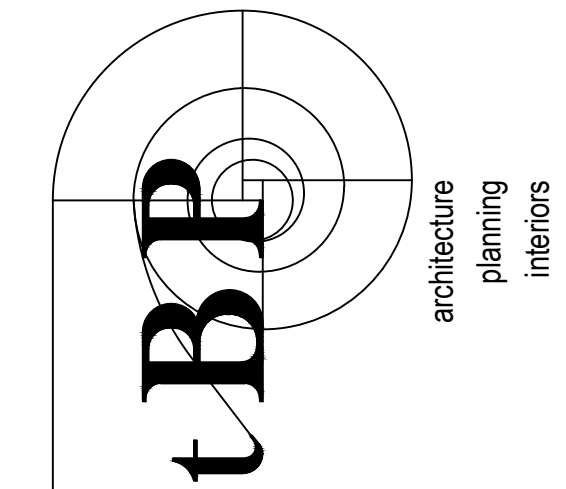
MAIN DRAIN AT THERAPY POOL

1" = 1'-0"

CONCRETE NOTES



A# 04 - 1#####
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SOUTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT
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owner

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