

BURBANK UNIFIED SCHOOL DISTRICT
BURBANK HIGH SCHOOL
AQUATIC CENTER MODERNIZATION
902 NORTH 3RD STREET, BURBANK, CA 91502

GENERAL NOTES

SYMBOL LEGEND

SCOPE OF WORK

SHEET INDEX (34 TOTAL SHEETS)



ABBREVIATIONS

ABV	above	DL	dead load	LL	live load	FHWS	flathead	PNL	panel	STD	standard
ACC	access	DEMO	demolish	LVR	louver	FLR	floor	PVMT	pavement	STA	station
ADJ	adjacent	FUT	future	MB	machine bolt	FCO	floor cleanout	PLAS	plaster	STL	steel
AFD	automatic fire damper	GA	gauge	MH	manhole	FD	fire drain	PLAM	plate	STO	storage
AGG	aggregate	GALV	galvanized	MFR	manufature(er)	FL	flow line	PLYWD	plywood	SD	storm drain
A/C	air conditioning	GC	general contractor	MO	masonry opening	FLUOR	fluorescent	PT	point	STRUCT	structural
ALT	alternate	GI	galvanized iron	DET(DTL)	detail	FTG	footing	PVC	polyvinyl chloride	SUSP	suspended
ALUM	aluminum	GV	gate valve	DIAG	diagonal	FND	foundation	PSF	pounds per square foot	TKBD	tackboard
AC	anchor bolt	GL	glass, glazing	DIA	diameter	FR	framed (ed), (ing)	PSI	pounds per square inch	TEL	telephone
AUT	automatic	CLB	concrete	DS	downspout	FBO	furnished by others	PL	property line	TV	television
BEL	hardware	GYPBD	gypsum board	DWG	drawing	MTL	material	R	radius	THK	thickness
BET	below grade	HDR	header	DF	drinking fountain	MAX	maximum	REFL	reflect(ed), (ive), (or)	T&G	tongue & groove
BG	blocking	HWDC	hardwood	E	electrical	MECH	mechanical	REG	register	TOW	top of wall
BD	board	HWC	heating/ventilating/air conditioning	ELC	electric water	MED	medium	RCP	reinforced conc.	UR	urinal
BOT	bottom	HGT	height	EQ	equal	MET	metal	RA	return air	VERT	vertical
BLOG	building	HC	hollow core	EXH	exhaust	MIN	minimum	REV	revision, revised	VCT	vinyl comp tile
CAB	cabinet	HM	hollow metal	EXIST(E)	existing	MISC	miscellaneous	RH	right hand	WC	wainscot
CB	catch basin	HP	horsepower	EXP	exposed	MOD	modular	RD	roof drain	WC	water closet
CLG	ceiling	HORIZ	horizontal	EXT	exterior	MULL	mullion	RM	room	WR	water repellent
CLR	clear	HB	hose bibb	FOC	face of concrete	NAT	natural	RO	rough opening	WWF	welded wire fabric
COL	column	INCL	include(d), (ing)	FOM	face of masonry	NCR	noise reduction coefficient	QT	quarry tile	W	west
COMP	composition (composite)	ID	inside diameter	FOS	face of stud	NOM	nominal	SCHED	schedule	WH	water heater
CONC	concrete	INT	interior	FF	factory finish	N	north	SIM	similar	WIND	window
CMU	concrete masonry unit	JT	joint	FIN	finish(ed)	NC	new	SC	solid core	WG	wire glass
CONN	connection	KO	knockout	FEE	finished floor	NTS	not in contract to scale	S	south	W/	with
CONST	construction	LAB	lag bolt	FA	fire alarm	OC	on center	SPEC	specification	W/O	without
CONT	continuous	LAM	laminated	FE	fire extinguisher	OPG	opening opposite	SPK	speaker	WI	wrought iron
CONTR	contractor	LAV	lavatory	FEC	fire extinguisher	OD	outside diameter	SPEC	specification	WIC	woodwork
CUST	custodian	LH	left hand	FHMS	flathead machine screw	OVD	overhead	S/S	stainless steel		Institute of CA
CF	curb face	LGT	light								
CT	ceramic tile	LTL	lintel								

ACCEPTANCE TESTING

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENTS AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFICATE ATT CAN BE FOUND AT:
HTTPS://WWW.NERGY.CA.GOV/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

THIS APPLICATION #03-122682 SHALL NOT BE CERTIFIED
UNTIL APPLICATION #03-105549 IS CLOSED AND CERTIFIED.

FEMA FLOOD ZONE

MAP NUMBER: 06037C1230F
EFFECTIVE DATE: 9/28/2008
FLOOD ZONE DESIGNATION: X

APPLICABLE CODES

BUILDING CODE ANALYSIS

STATEMENT OF GENERAL CONFORMANCE

VICINITY MAP

Part 1	2022 California Building Standards Administrative Code, Title 24 C.C.R.
Part 2	2019 California Building Code, Title 24 C.C.R. (2018 International Building Code of the International Code Council, with California Amendments)
Part 3	2019 California Electrical Code, Title 24 C.C.R. (2016 National Electrical Code of the National Fire Protection Association, NFPA)
Part 4	2019 California Mechanical Code, Title 24 C.C.R. (2018 Uniform Mechanical Code of the International Association of Plumbing and Mechanical Officials, IAPMO)
Part 5	2019 California Plumbing Code, Title 24 C.C.R. (2018 Uniform Plumbing Code of the International Association of Plumbing and Mechanical Officials, IAPMO)
Part 6	2019 California Energy Code, Title 24 C.C.R.
Part 8	2019 California Historical Building Code, Title 24 C.C.R.
Part 9	2019 California Fire Code, Title 24 C.C.R. (2018 International Fire Code of the International Code Council)
Part 10	2019 California Existing Building Code, Title 24 C.C.R. (2018 International Existing Building Code of the International Code Council, with amendments)
Part 11	2019 California Green Building Standards Code (CALGreen Code), Title 24 C.C.R.
Part 12	2019 California Referenced Standards Code, Title 24 C.C.R.
PARTIAL LIST OF APPLICABLE STANDARDS:	
2019 California Building Code (for SFM) Referenced Standards Chapter 35	
NFPA 13	Standard for Installation of Sprinkler System (California Amended)
NFPA 14	Standard for the Installation of Standpipes and Hose Systems (California Amended)
NFPA 17	Standard Dry Chemical Extinguishing Systems
NFPA 17A	Standard for Wet Chemical Extinguishing Systems
NFPA 20	Standard for the Installation of Stationary Pumps for Fire Protection
NFPA 22	Standard for Water Tanks for Private Fire Protection
NFPA 24	Standard for the Installation of Private Fire Service Mains and Their Appurtenances (CA Amended)
NFPA 72	National Fire Alarm and Signaling Code (California Amended)
NFPA 80	Standard for Fire Doors and Other Opening Protectives
NFPA 2001	Standard on Clean Agent Fire Extinguishing Systems (California Amended)
UL 300	Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment
UL 464	Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories
UL 521	Standard for Heat Detectors for Fire Protective Signaling Systems
UL 1971	Standard for Signaling Devices for the Hearing Impaired
ICC 300	Standard for Bleachers, Folding and Telescopic Seating, and Grandstands
For a complete list of applicable NFPA standards refer to 2019 CBC (SFM) Chapter 35 and California for Code (CFC) chapter 80.	
See California Building Code, Chapter 35, for State of California amendments to the NFPA standards.	
All parts of the 2019 CBC 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 9, 2019.	

EXISTING A-2.1 SWIMMING POOL (OUTDOOR) 13,086 SQ.FT.

EXISTING S-1 MECH. RM. 1,525 SQ.FT.

1. OCCUPANCY CLASSIFICATION: EXISTING A-2.1 & S-1
2. CONSTRUCTION TYPE: II ONE HOUR SPRINKLERED THROUGHOUT
3. TOTAL AREA OF EACH FLOOR (TABLE 506.2-BASIC ALLOWABLE AREA)
A. BUILDING AREA: EXISTING 13,086 SQUARE FEET (EXTERIOR SWIMMING POOL)
EXISTING 1,525 SQUARE FEET (POOL MECHANICAL)
B. AUTOMATIC FIRE SPRINKLERS: S1

OCCUPANT LOAD ANALYSIS FOR RM #007 TEAM CHANGING RM & RM #008 ELECTRICAL

EXISTING DOOR WIDTH = 72"
RM #007 AREA = 413.3 S.F.; OCCUPANT LOAD FACTOR = 50G
413.3/50 = 8.266; 9 O.L. (RM #007) + 1 O.L. (RM #008) = 10 O.L.
EGRESS PER OCCUPANT LOAD REQUIRED = 2
10 x .2 = 2" < 72" OK

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER
LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS
(Application No. 03-122682 File No. 19-H4)

THESE DRAWINGS MARKED WITH [HATCH] AND SPECIFICATIONS, OR THE ATTACHED LIST OF ITEMS HAVE BEEN PREPARED BY DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OR REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THIS CONSTRUCTION OF THIS PROJECT.

THE 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 CERTIFY THAT THIS DRAWINGS MARKED [HATCH] ON SHEET INDEX:

☒ IS IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND

☒ HAS BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE: Scott F. Gaudineer
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

SCOTT F. GAUDINEER
PRINT NAME

C-14211
LICENSE NUMBER

11/18/2022
DATE

08/31/2025
EXPIRATION DATE

VICINITY MAP

Map showing the location of the site (Burbank High School) relative to surrounding streets: AMHERST DR, EAST AVE, N GLENDALE BLVD, N 1ST ST, N 2ND ST, N 3RD ST, N 4TH ST, N 5TH ST, N 6TH ST, N 7TH ST, N 8TH ST, N 9TH ST, N 10TH ST, N 11TH ST, N 12TH ST, N 13TH ST, N 14TH ST, N 15TH ST, N 16TH ST, N 17TH ST, N 18TH ST, N 19TH ST, N 20TH ST, N 21ST AVE, N 22ND AVE, N 23RD AVE, N 24TH AVE, N 25TH AVE, N 26TH AVE, N 27TH AVE, N 28TH AVE, N 29TH AVE, N 30TH AVE, N 31ST AVE, N 32ND AVE, N 33RD AVE, N 34TH AVE, N 35TH AVE, N 36TH AVE, N 37TH AVE, N 38TH AVE, N 39TH AVE, N 40TH AVE, N 41ST AVE, N 42ND AVE, N 43RD AVE, N 44TH AVE, N 45TH AVE, N 46TH AVE, N 47TH AVE, N 48TH AVE, N 49TH AVE, N 50TH AVE, N 51ST AVE, N 52ND AVE, N 53RD AVE, N 54TH AVE, N 55TH AVE, N 56TH AVE, N 57TH AVE, N 58TH AVE, N 59TH AVE, N 60TH AVE, N 61ST AVE, N 62ND AVE, N 63RD AVE, N 64TH AVE, N 65TH AVE, N 66TH AVE, N 67TH AVE, N 68TH AVE, N 69TH AVE, N 70TH AVE, N 71ST AVE, N 72ND AVE, N 73RD AVE, N 74TH AVE, N 75TH AVE, N 76TH AVE, N 77TH AVE, N 78TH AVE, N 79TH AVE, N 80TH AVE, N 81ST AVE, N 82ND AVE, N 83RD AVE, N 84TH AVE, N 85TH AVE, N 86TH AVE, N 87TH AVE, N 88TH AVE, N 89TH AVE, N 90TH AVE, N 91ST AVE, N 92ND AVE, N 93RD AVE, N 94TH AVE, N 95TH AVE, N 96TH AVE, N 97TH AVE, N 98TH AVE, N 99TH AVE, N 100TH AVE.

AGENCY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122682 INC:
REVIEWED FOR:
SS ☒ FLS ☒ ACS ☒
DATE: 05/21/2024

PTN_64337-110 APPL_03-122682

FLEWELLING & MOODY
architecture planning interiors

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An Employee Owned Corporation

ARCHITECT

CONSULTANT

Revisions

No. Date Description

1 05/21/2024

All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewelling & Moody.

BURBANK UNIFIED SCHOOL DISTRICT
BURBANK HIGH SCHOOL
AQUATIC CENTER MODERNIZATION
902 NORTH 3RD STREET
BURBANK, CA 91502

TITLE SHEET

2986.0000

11-18-2022

T0.01



810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION			
School District/Owner: BURBANK UNIFIED SCHOOL DISTRICT			
Project Name/School: BURBANK HIGH SCHOOL AQUATIC CENTER RENOVATION			
Project Address: 909 NORTH 3RD STREET BURBANK, CA 91502			
FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following website for FHSZ locations: http://legis.fire.ca.gov/FHSZ/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA <input type="checkbox"/>

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.			X	
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			X	
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.			X	
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			X	
7a. Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____
Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: _____
LFA Review Official: _____
Title: _____ Work Phone: _____
Work Email: _____

LFA Reviewer's Signature: _____ Date: _____



Hydrant Flow Data

10/18/2022

7803

CUSTOMER INFORMATION	
PROJECT SITE: <u>BURBANK HIGH SCHOOL</u>	ZONING: <u>R4</u>
<u>STEVE REYNA</u> (Agent name)	<u>323-543-8300</u> (Agent phone number)
<u>FLEWELLING & MOODY</u> (Company)	
<u>815 COLORADO BLVD, SUITE 200</u> (Company address)	
<u>LOS ANGELES</u> (City)	<u>CA</u> (State)
<u>323-543-8300</u> (Company phone number)	<u>90041</u> (Zip code)
<u>SREYNA@FLEWELLING-MOODY.COM</u> (FAX number or e-mail address)	

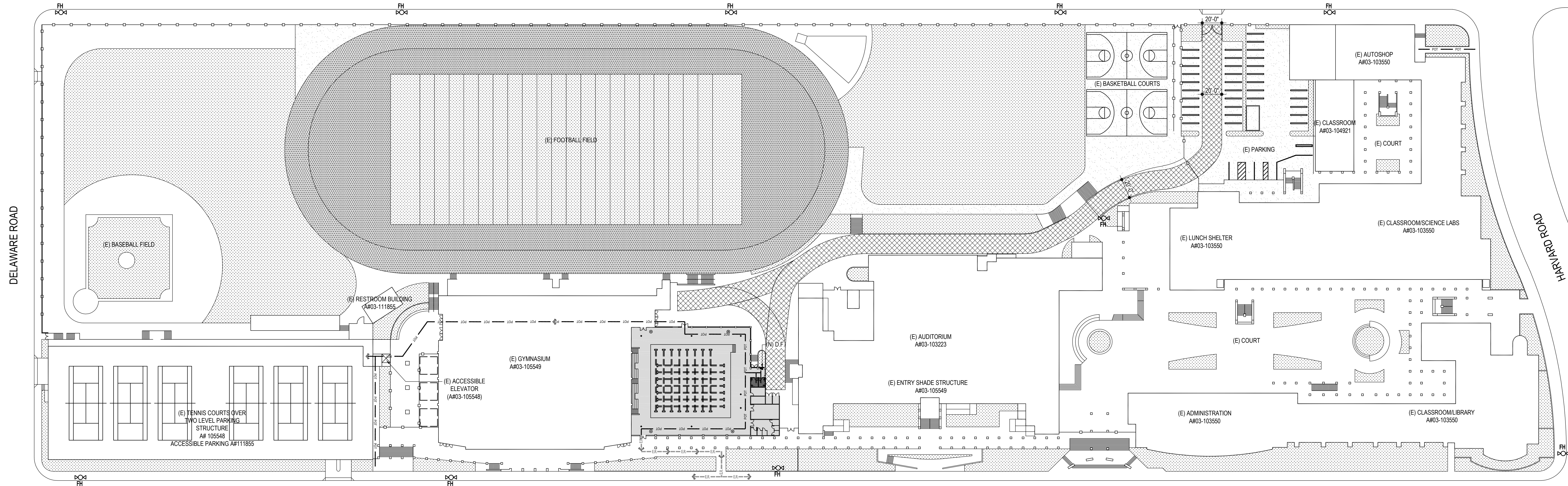
FIRE-FLOW INFORMATION					
The existing water main is a(n) <u>12"</u> inch diameter <u>DI</u> main (Size) (Type)					
in <u>N 3RD ST</u> (Street name)					
Static pressure is <u>100-120</u> psi (During normal pump and tank operating conditions with average demand on the system)					
Hydrant <u>528</u> is <u>460.3'</u> <u>WEST</u> (Hydrant No.) (Distance) (Direction)					
of <u>BURBANK BLVD.</u> (Nearest cross street)					
on <u>N 3RD ST</u> (Street name)					
Per previous flow test approximate fire flow available from this hydrant is <u>10,950</u> GPM at 20 PSI residual.					
Per hydraulic modeling, approximate fire flow available from the mainline is _____ GPM at 20 PSI residual.					
<table><tr><td>Existing Meter Size & Flow Rate</td><td><u>Samantha Miranda</u> (BWP Water Division Staff Signature)</td></tr><tr><td></td><td><u>10/19/2022</u> (Date)</td></tr></table>		Existing Meter Size & Flow Rate	<u>Samantha Miranda</u> (BWP Water Division Staff Signature)		<u>10/19/2022</u> (Date)
Existing Meter Size & Flow Rate	<u>Samantha Miranda</u> (BWP Water Division Staff Signature)				
	<u>10/19/2022</u> (Date)				

LEGEND

- AREA OF WORK
- (E) BUILDING
- (E) TRACK (RUBBERIZED)
- LANDSCAPE
- (N) ACCESSIBLE RESTROOMS
- (E) 20'-0" CLEAR FIRE ACCESS LANE A# 03-105549.
CONCRETE PAVEMENT CAPABLE OF SUPPORTING 75,000 LB.
VEHICLE LOAD WITH MINIMUM 13'-6" VERTICAL CLEARANCE.
- (N) ACCESSIBLE HI-LOW DRINKING FOUNTAIN
- (E) FIRE HYDRANT
- ACCESSIBLE PATH OF TRAVEL
- EGRESS ROUTE

FIRE FLOW & HYDRANTS

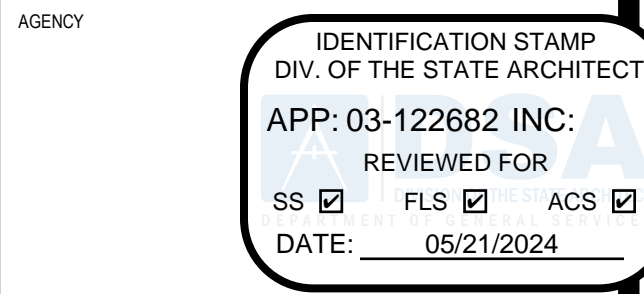
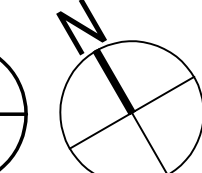
PER 2019 CFC TABLE BB105.1 (2)
STORAGE BUILDING = 623 S.F.
REQUIRED FIRE FLOW AND DURATION FOR TYPE IIA
CONSTRUCTION OF 623 S.F. = 1,500 GPM FOR 2 HRS.
PER 2019 CFC TABLE C105.1
NUMBER AND DISTRIBUTION OF FIRE HYDRANTS FOR 1,500 GPM
NUMBER OF REQUIRED HYDRANTS = (1) WITH 500 FEET MAXIMUM DISTANCE TO ANY POINT OF STRUCTURE = 250 FEET
NUMBER OF (E) HYDRANTS = 10
NUMBER OF (N) HYDRANTS = 0



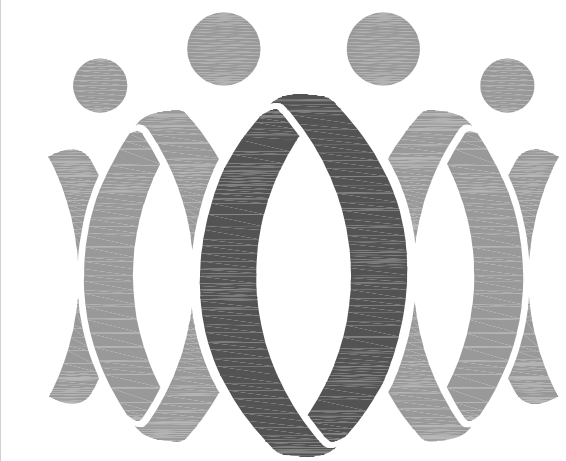
FIRE ACCESS SITE PLAN

SCALE: 1" = 50'-0"

1
A1.00



PTN_64337-110 APPL_03-122682



FLEWELLING & MOODY
architecture planning interiors

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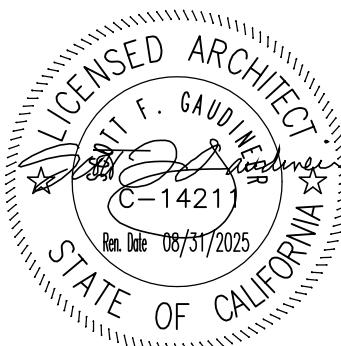
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An Employee Owned Corporation

ARCHITECT



CONSULTANT

Drawn by: _____

Checked by: _____

Revisions:

No.	Date	Description

All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewelling & Moody.

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SCHOOL DISTRICT
BURBANK
HIGH SCHOOL
AQUATIC CENTER
MODERNIZATION

902 NORTH 3RD STREET
BURBANK, CA 91502

FIRE ACCESS SITE PLAN

Job No:

2986.0000

Date:

11-18-2022

A1.00

GENERAL NOTES

"PATH OF TRAVEL" (P.O.T.) AS INDICATED IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAXIMUM SLOPE. EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. P.O.T. IS A MINIMUM 48" WIDE. THE SURFACE SHALL BE FIRM, STABLE AND SLIP RESISTANT. PASSING SPACES (11B-405.5.3) AT LEAST 6'0" X 8'0" SHALL BE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS SHALL HAVE 8'0" LEVEL AREAS AT INTERVALS OF 400' MAXIMUM (11B-403.7). SLOPE SHALL NOT EXCEED 2% CROSS-SLOPE AND 5% RUNNING SLOPE IN THE DIRECTION OF TRAVEL (11B-401.1). SLOPES GREATER THAN 5% TO A MAXIMUM OF 8.33% SHALL BE CONSIDERED AS A RAMP (11B-405). THERE SHALL BE NO DROP OFF OVER 4" ALONG THE EDGE OF WALK OR LANDING. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS AND OBJECTS PROTRUDING GREATER THAN 4" FROM A WALL, BETWEEN 27" TO 80" ABOVE FINISHED GRADE. ARCHITECT ARCHITECT HAS VERIFIED THAT NO BARRIERS EXIST IN THE PATH OF TRAVEL.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) 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 NON COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FIND OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

"EGRESS ROUTE" (E.R.) AS INDICATED IS A BARRIER FREE EXIT ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE. EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (E.R.) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 8'0" MINIMUM AND OBSTRUCTIONS PROTRUDING GREATER THAN 4" FROM WALL AND MINIMUM 27" ABOVE FINISH GROUND OR FLOOR LEVEL (11B-307.2).

LEGEND

AREA OF WORK

(E) BUILDING

(E) TRACK (RUBBERIZED)

LANDSCAPE

(N) ACCESSIBLE RESTROOMS

(N) ACCESSIBLE HI-LOW DRINKING FOUNTAIN

(E) FIRE HYDRANT

ACCESSIBLE PATH OF TRAVEL

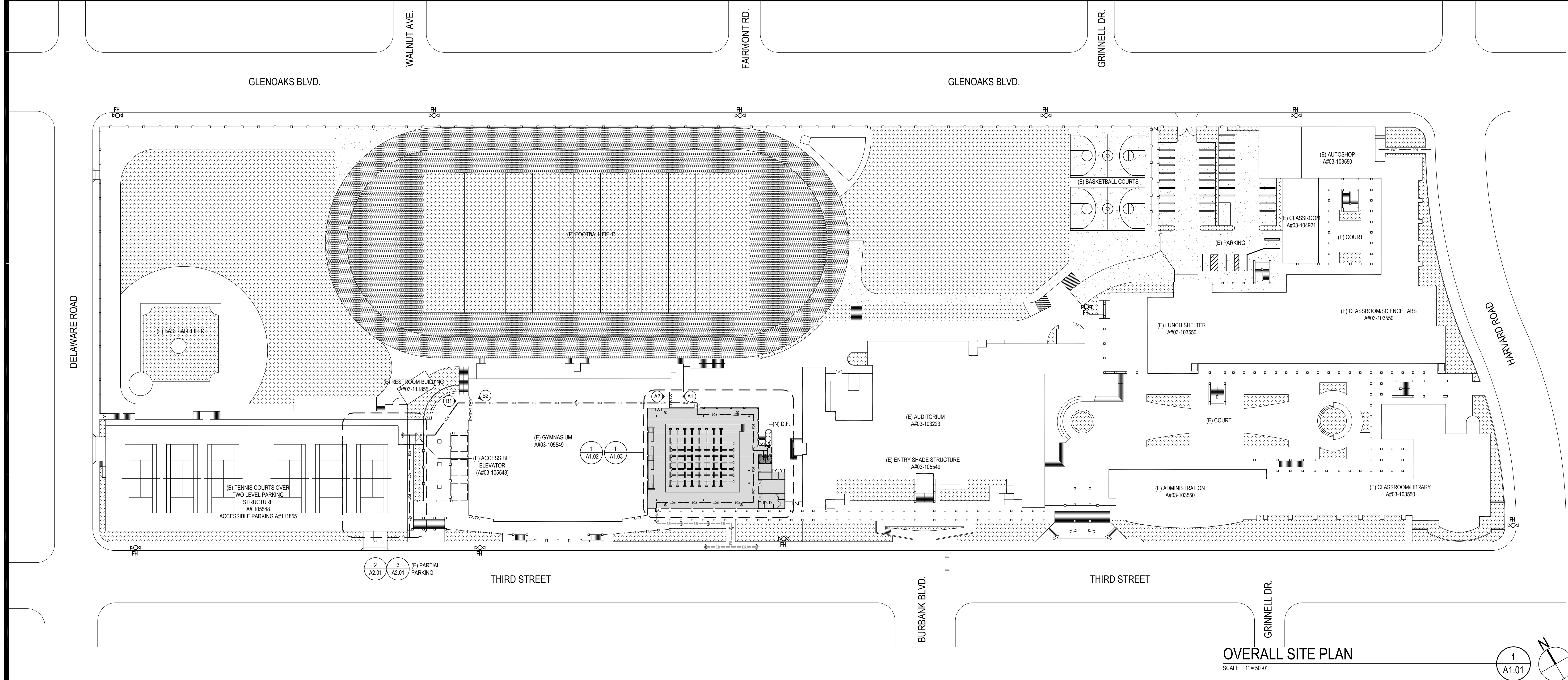
EGRESS ROUTE

PHOTO REFERENCE - SEE SHEET A9.01

EXISTING PARKING RATIO

PER CBC 11B, SECTION 208.2, TABLE 11B-208.2

DSA #	STANDARD STALL	REQUIRED ACCESSIBLE STALL			PROVIDED ACCESSIBLE STALL			TOTAL
		CAR	VAN	TOTAL	CAR	VAN	TOTAL	
A03-111855	270	5	2	7	5	2	7	277



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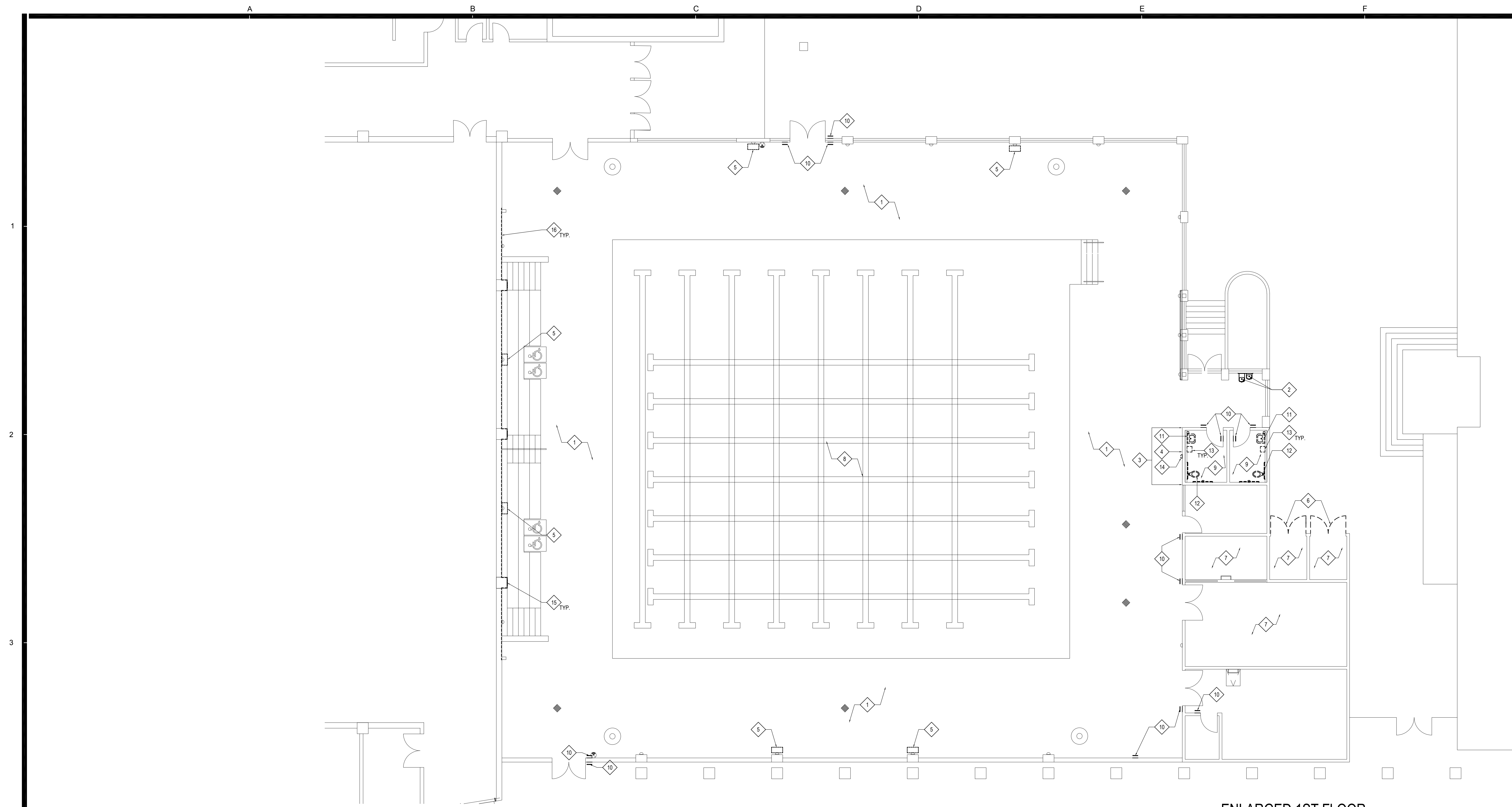
OVERALL SITE PLAN - ACCESSIBLE P.O.T., EGRESS ROUTE

Job No:
2986.0000
Date:
11-18-2022

1
A1.01

A1.01

F:\Project\2986-0000-BurbankUSD-AquaticsMod\DWG\2986-0000-A1-01.DWG; Last Saved By: sreyna - Sep 22, 2023 - 3:44pm Last Printed By: SREYNA - Sep 27, 2023, 9:15am;






ENLARGED 1ST FLOOR
DEMOLITION SITE PLAN

SCALE : 1/8" = 1'-0"

FLOOR PLAN DEMOLITION NOTES

1. PATCH AND REPAIR FLOOR AND WALLS AFFECTED BY DEMOLITION WORK. MATCH (E) ADJACENT MATERIAL, FINISH AND COLOR.
2. PROTECT ALL PLACES AND ITEMS NOT BEING DEMOLISHED OR REMOVED. G.C. SHALL PATCH, REPAIR, AND PAINT, OR REPLACE IN PLACE ALL FINISHES AFFECTED BY DEMOLITION.
3. UNLESS SPECIFICALLY DETAILED AND SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED, OR REMOVED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND AUTHORITY HAVING JURISDICTION.
4. G.C. SHALL COORDINATE ALL REQUIRED SCOPE OF WORK FOR ALL TRADES PRIOR TO COMMENCING WORK.
5. REFER TO STRUCTURAL, AND AQUATIC DESIGN DESIGN CORP. DRAWINGS FOR ADDITIONAL REQUIREMENTS.

DEMOLITION LEGEND

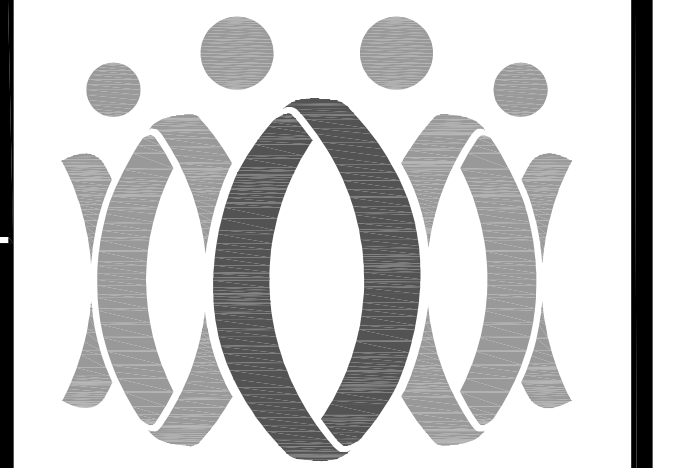
- ITEMS TO BE REMOVED AND/OR DEMOLISHED
-  (E) WALL TO REMAIN
-  (E) DOOR AND HARDWARE TO REMAIN
-  (E) WALL MOUNTED LIGHT FIXTURE.

DEMOLITION PLAN KEY NOTES

- | | |
|----|--|
| 1 | DEMO (E) SWIMMING POOL DECK PER SHEET DP-1 |
| 2 | REMOVE (E) DRINKING FOUNTAIN IN ITS ENTIRETY.
PATCH AND REPAIR AS REQUIRED TO RECEIVE (N) HI/LO DRINKING FOUNTAIN |
| 3 | DEMO PORTION OF (E) STUCCO TO ACCOMMODATE (N) WALL TILE FINISH FOR THE (N) RINSE OFF AREA. SEE ENLARGED PLAN AND ELEVATIONS IN SHEET AS.01. |
| 4 | DEMO PORTION OF (E) CONC. WALL TO ALLOW TAPPING TO (E) PLUMBING FOR THE (N) EXTERIOR SHOWER. RE-GROUT ALL DEMOLISHED CONCRETE. |
| 5 | REMOVE (E) SPEAKERS IN THEIR ENTIRETY |
| 6 | REMOVE (E) DOORS AND FRAME IN THEIR ENTIRETY |
| 7 | REMOVE (E) MECHANICAL EQUIPMENT.
SEE SHEET DP-1 AND MR-1 FOR ADDITIONAL INFORMATION |
| 8 | DEMO (E) POOL.
SEE SHEET DP-1 FOR ADDITIONAL INFORMATION |
| 9 | REMOVE (E) FLOOR AND WALL FINISH IN THEIR ENTIRETY. PATCH AND REPAIR AS REQUIRED TO RECEIVE (N) FINISH. SEE SCHEDULE FOR ADDITIONAL INFORMATION. |
| 10 | REMOVE (E) SIGNAGE IN ITS ENTIRETY. |
| 11 | REMOVE AND STORE (E) LAVATORY FOR REINSTALLATION.
SEE SHEET AS.01 FOR ADDITIONAL INFORMATION AND ACCESSIBILITY REQUIREMENTS. |
| 12 | REMOVE AND STORE (E) TOILET FOR REINSTALLATION.
SEE SHEET AS.01 FOR ADDITIONAL INFORMATION AND ACCESSIBILITY REQUIREMENTS. |
| 13 | REMOVE ALL (E) RESTROOM FIXTURES IN THEIR ENTIRETY. U.N.O. |
| 14 | REMOVE (E) LIGHT FIXTURE AND CAP OFF WIRING. |
| 15 | REMOVE PORTION OF (E) STUCCO BENEATH ALL NEW AWNING CONNECTION POINTS AS NECESSARY PRIOR TO INSTALLATION. ALLOW AWNING CONNECTION PLATES TO SIT DIRECTLY ONTO (E) STRUCTURAL CMU BLOCK WALL. |
| 16 | REMOVE PORTION OF (E) STUCCO BENEATH ENTIRE LENGTH OF NEW FLASHING AS NECESSARY PRIOR TO INSTALLATION. ALLOW FLASHING TO SIT DIRECTLY ONTO EXISTING STRUCTURAL CMU BLOCK WALL. |

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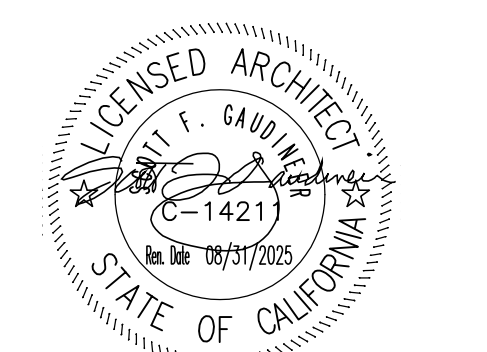
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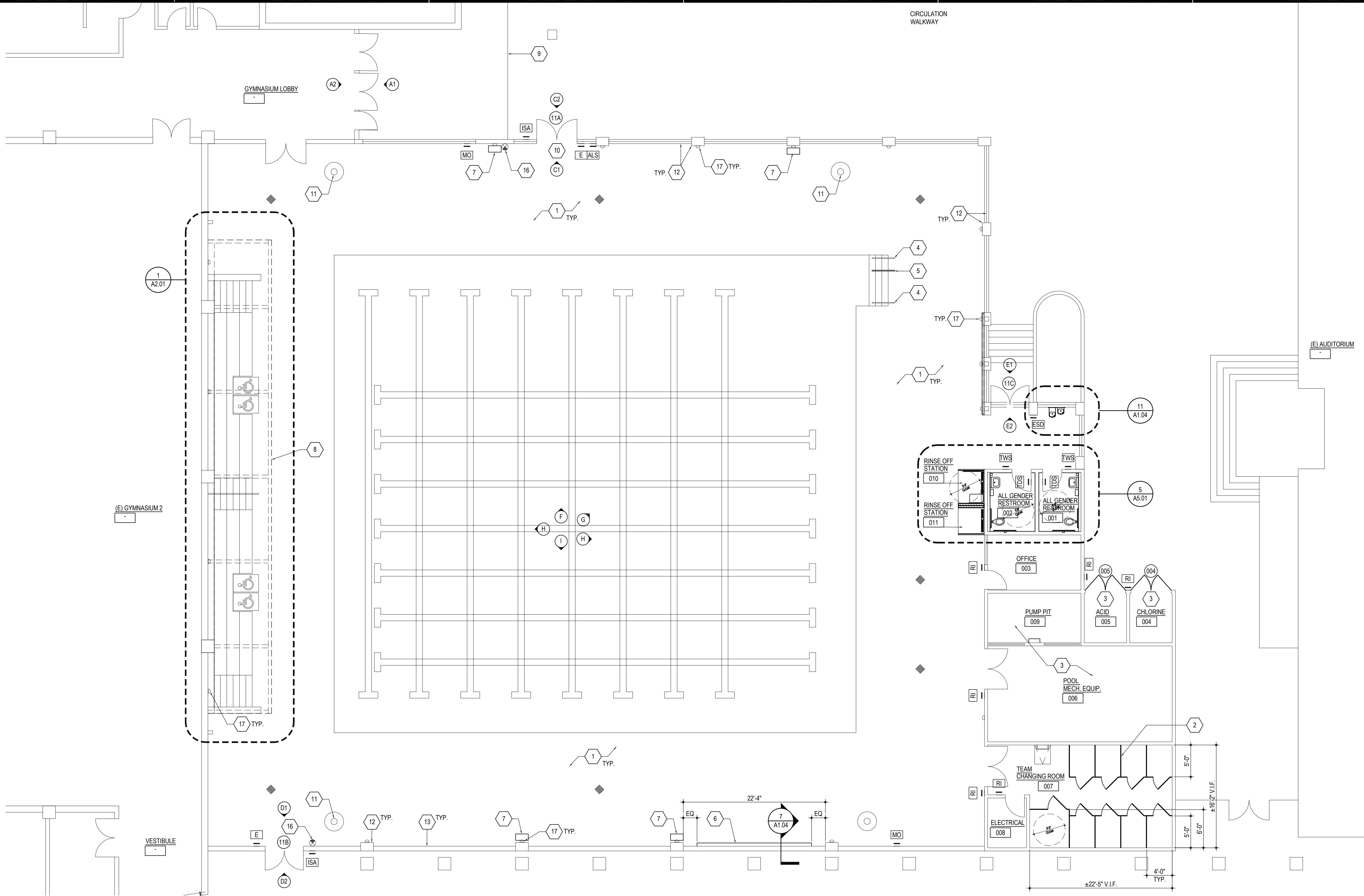
ENLARGED
DEMOLITION
SITE PLAN

Job No. _____

2986.0000

Date
11-18-2022

A1.02



ENLARGED 1ST FLOOR
RECONSTRUCTION SITE PLAN
SCALE: 1/8" = 1'-0"

1
A1.03

ALS RECEIVERS REQUIREMENTS

(E) BLEACHERS
TOTAL SEATING CAPACITY INCLUDING WHEELCHAIR SPACE
REQUIRED NUMBER OF RECEIVERS (4% OF SEATING CAPACITY) 105
105x 4% = 4.2 = 5 RECEIVERS
PROVIDE PORTABLE ASSISTIVE LISTENING RECEIVERS 5

EXITING ANALYSIS AT POOL AREA

A. SWIMMING POOL AREA	6,150 S.F.
LOAD FACTOR	50
MAX. OCCUPANT LOAD	6,150/50 = 123
B. DECK AREA	6,831
LOAD FACTOR	15
MAX. OCCUPANT LOAD	6,831/15 = 423
C. AREA WITH FIXED SEATS (E) BLEACHER CAPACITY	105
D. TOTAL OCCUPANT LOAD	423 + 105 = 528
MOST RESTRICTIVE OCCUPANT LOAD:	528
B. OCCUPANT LOAD	528
NUMBER OF EXITS REQUIRED (1006.3.2)	3

GATE SCHEDULE

GATE NO.	PROVIDED GATE WIDTH	OCC. LOAD	EGRESS PER OCC. REQUIRED	CALCULATIONS	REMARKS
11A	6'-0" or 72"	651	2"	528/3 = 174	OK
11B				174 x 2 = 34.8"	OK
11C				34.8" < 72"	OK

FLOOR PLAN RECONSTRUCTION NOTES

- PATCH, REPAIR, AND PAINT ALL AFFECTED EXISTING FINISHES.
- PATCH & REPAIR (E) FLOORING AND WALLS AFFECTED BY DEMOLITION TO MATCH (E) ADJACENT FINISH AND COLOR.
- REFER TO STRUCTURAL AND AQUATIC DESIGN CORP. DRAWINGS FOR ADDITIONAL REQUIREMENTS.

RECONSTRUCTION LEGEND

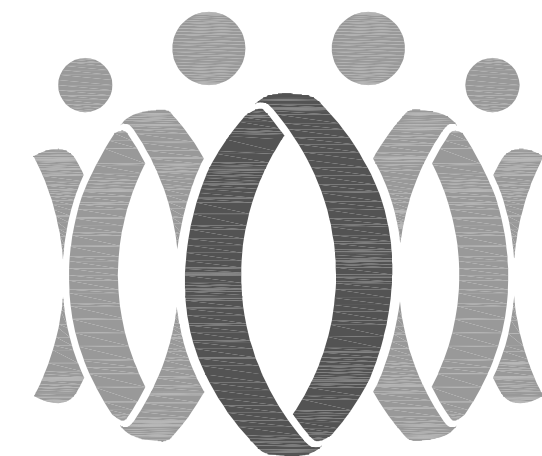
(E) WALL TO REMAIN	(N) CMU PARTITION
(E) DOOR AND HARDWARE TO REMAIN	(N) FURRED-OUT WALL
(E) FIRE EXTINGUISHER TO REMAIN	DOOR / GATE TYPE, SEE DOOR SCHEDULE ON SHEET A7.01
(E) ELECTRICAL PANEL TO REMAIN	PHOTO REFERENCE - SEE SHEET A9.01 (FOR REFERENCE ONLY)
(E) WALL MOUNTED LIGHT FIXTURE	
TACTILE "ROOM IDENTIFICATION" SIGN, SEE DTL.	7 A8.01
TACTILE "EXIT" SIGN, SEE DTL.	8 A8.01
TACTILE "EXIT ROUTE" SIGN, SEE DTL.	10 A8.01
TACTILE "MAXIMUM OCCUPANCY" SIGN, SEE DTL.	4 A8.01
TACTILE "INTERNATIONAL SYMBOL OF ACCESSIBILITY" SIGN, SEE DTL.	9 A8.01
TACTILE "TOILET DOOR SIGN" SEE DTL.	3 A8.01
TACTILE "TOILET WALL SIGN" SEE DTL.	6 A8.01
TACTILE "ASSISTIVE LISTENING DEVICE" SEE DTL.	12 A8.01
TACTILE "EXIT STAIR DOWN SIGN" SEE DTL.	11 A8.01

RECONSTRUCTION PLAN KEY NOTES

- SWIMMING POOL DECK
SEE SHEET DP.2 FOR ADDITIONAL INFORMATION
- CHANGING ROOM PARTITION (58" HEIGHT DOOR PANEL @ 12" ABOVE FF = 70" PARTITION HEIGHT), TYP.
SEE DETAILS 15 & 16/A5.01 FOR ADDITIONAL INFORMATION
- MECHANICAL EQUIPMENT
SEE SHEETS DP. 2 AND MR. 1 FOR ADDITIONAL INFORMATION
- (E) HANDRAIL TO REMAIN.
- (N) HANDRAIL, SEE SHEET SP.1.
- DIGITAL LED SCORE BOARD
- WALL-MOUNTED SPEAKERS - MOUNTED 80" MIN FROM FINISH FLOOR TO BOT. OF THE UNIT.
- NEW SHADE AWNING ABOVE (E) BLEACHERS, SEE ENLARGED DETAIL.
- FACE OF GYMNASIUM BUILDING
- (E) ACCESSIBLE GATE, SEE TYP. ENLARGED ELEV.
- (E) LIGHT POLE (A# 03-105549)
- (E) FENCE / CONC. POST PILLARS (A# 03-105549)
- (E) CONCRETE WALL (A# 03-105549)
- (E) SCOREBOARD ABOVE (A# 03-105549)
- (E) HANDRAILS TO BE UPGRADED, SEE SHEET DP.1.
- (E) ILLUMINATED EXIT SIGN (A# 03-105549)
- (E) WALL MOUNTED LIGHT (A# 03-105549). CLEAN LENSE FROM DIRT AND GRIME.

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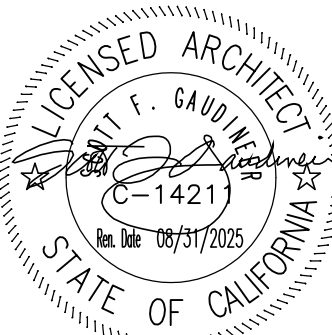
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ENLARGED
RECONSTRUCTION
SITE PLAN

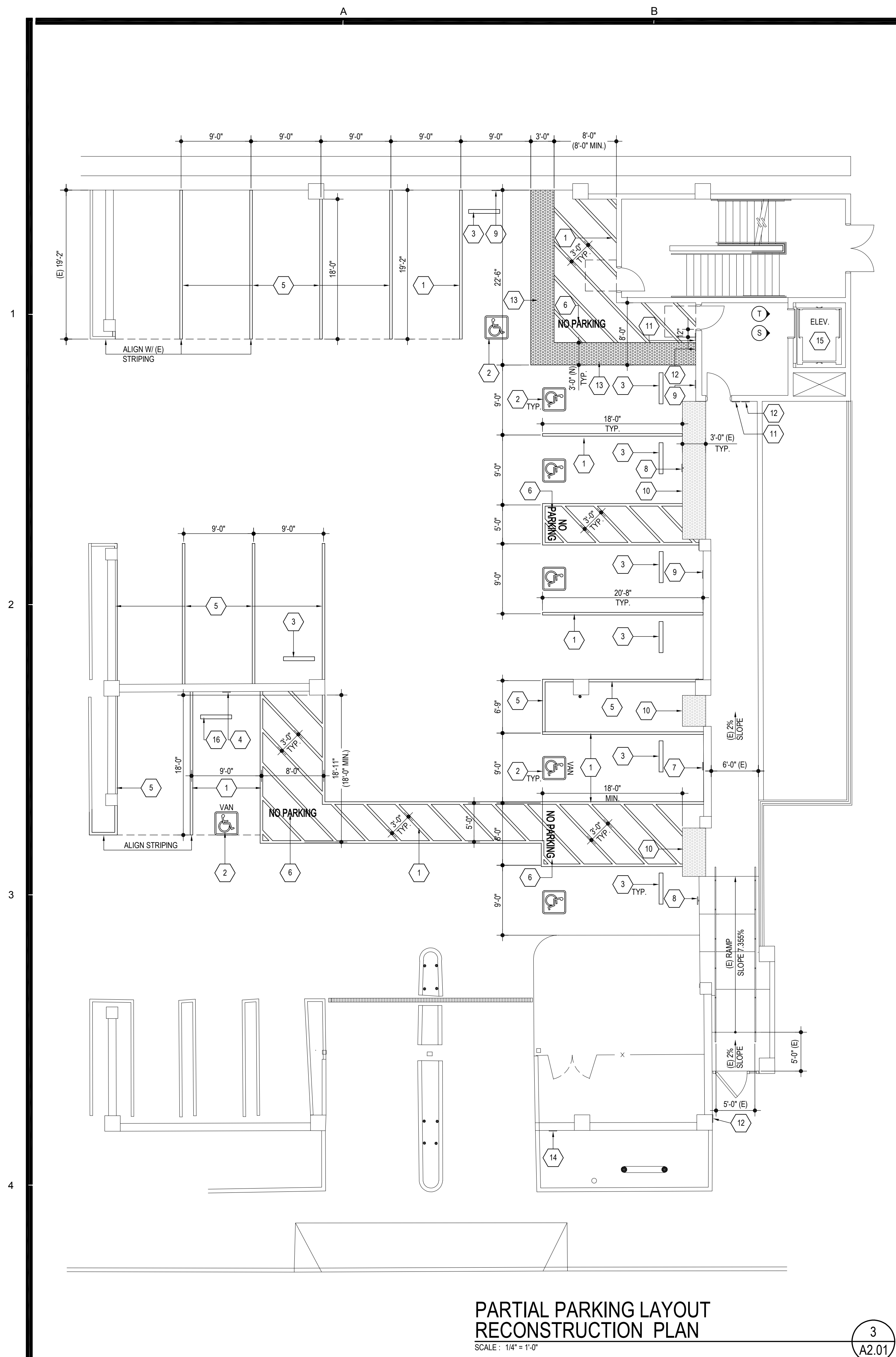
Job No.

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11-18-2022

A1.03

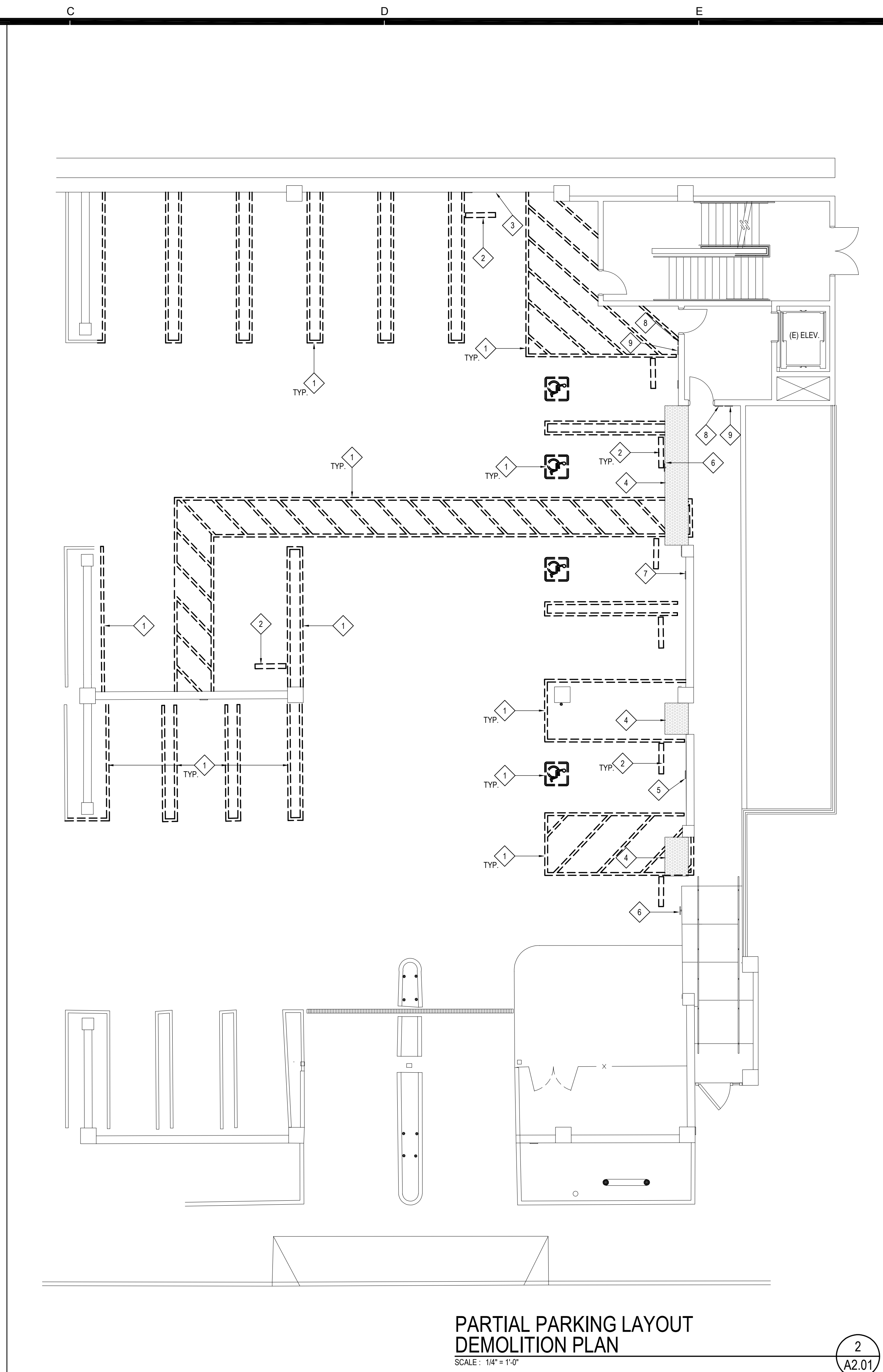


RECONSTRUCTION PLAN KEY NOTES

- | | | |
|--|---|--|
| 1 (N) 4" MIN. BLUE PAINTED TYP. | 6 (N) 12" HIGH WHITE LETTERS. | 11 (E) ROOM IDENTIFICATION SIGN W/ TACTILE SYMBOL (A# 111855). |
| 2 (N) ACCESSIBILITY SYMBOL, TYP. SEE DTL. 2 A1.04 | 7 (E) VAN ACCESSIBLE PARKING SIGN (A# 111855). | 12 (E) WALL MOUNTED ISA SIGN (A# 111855). |
| 3 (E) RELOCATED CONC. WHEEL STOP. SEE DTL. 4 A1.04 | 8 (E) POST MOUNTED ACCESSIBLE PARKING SIGN (A# 111855). | 13 (N) 3'-0" WIDE TRUNCATED DOMES. |
| 4 (N) VAN ACCESSIBLE PARKING SIGN. SEE DTL. 3 A1.04 | 9 (E) WALL MOUNTED ACCESSIBLE PARKING SIGN (A# 111855). | 14 (E) TOW-AWAY SIGN. VERIFY AND UPDATE AS NECESSARY PER DTL. 1 A1.04 |
| 5 (N) 4" MIN. WHITE PAINTED, TYP. | 10 (E) 3'-0" WIDE TRUNCATED DOMES (A# 111855). | 15 (E) ELEVATOR (A# 105548). |
| | | 16 (N) CONC. WHEEL STOP. SEE DTL. 4 A1.04 |

RECONSTRUCTION LEGEND

X PHOTO REFERENCE - SEE SHEET A8.01 (FOR REFERENCE ONLY)

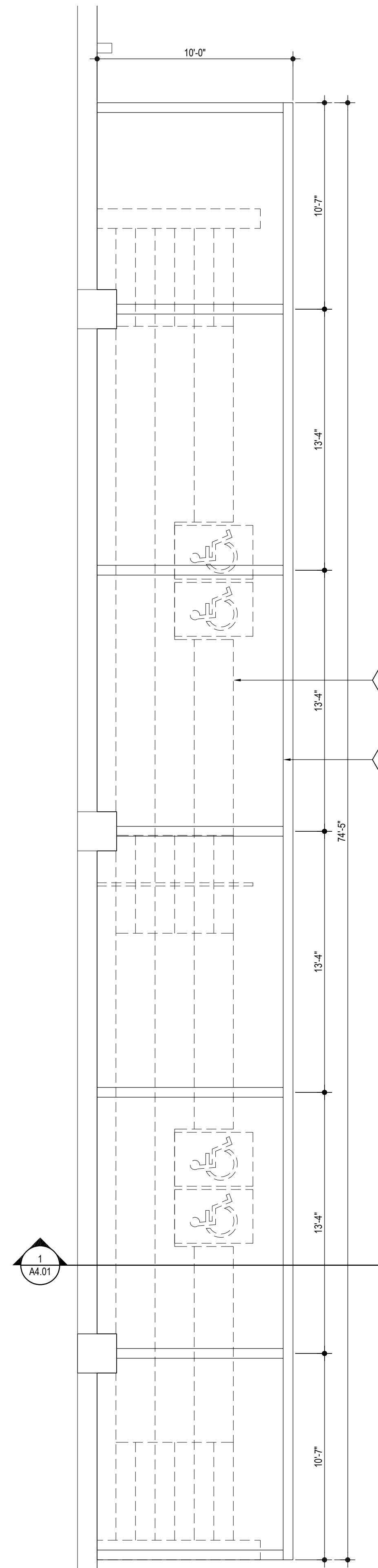


DEMOLITION PLAN KEY NOTES

- | |
|---|
| 1 SANDBLAST & REMOVE (E) PARKING STRIPING SHOWN DASHED IN ITS ENTIRETY. |
| 2 REMOVE (E) WHEEL STOP AND KEEP FOR REINSTALLATION. SEE RECONSTRUCTION PLAN 3 A2.01 . |
| 3 REMOVE PORTION OF (E) DAMAGED VAN ACCESSIBLE PARKING TO ACCOMMODATE (N) SIGN. |
| 4 (E) 3'-0" WIDE TRUNCATED DOMES (A# 111855). |
| 5 (E) VAN ACCESSIBLE PARKING SIGN (A# 111855). |
| 6 (E) POST MOUNTED ACCESSIBLE PARKING SIGN (A# 111855). |
| 7 (E) WALL MOUNTED ACCESSIBLE PARKING SIGN (A# 111855). |
| 8 (E) ROOM IDENTIFICATION SIGN W/ TACTILE SYMBOL (A# 111855). |
| 9 (E) WALL MOUNTED ISA SIGN (A# 111855). |
| 10 (E) CONC. WHEEL STOP TO REMAIN. |

RECONSTRUCTION PLAN KEY NOTES

- | |
|--|
| 1 (N) SHADE AWNING ABOVE EXISTING CONCRETE BLEACHER SEATING. SEE DTL. 1 A4.01 |
| 2 (E) CONCRETE BLEACHER SEATING (DASHED). |



(E) BLEACHERS CAPACITY = 105 TOTAL (WITH 4 ACCESSIBLE SPACE SEATING PROVIDED)

ENLARGED SHADE AWNING

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

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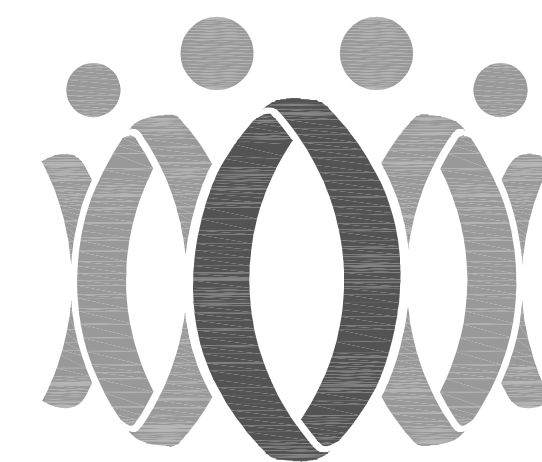
ENLARGED BLEACHERS
AND PARTIAL ENLARGED
PARKING

Job No:
2986.0000

Date:
11-18-2022

A2.01

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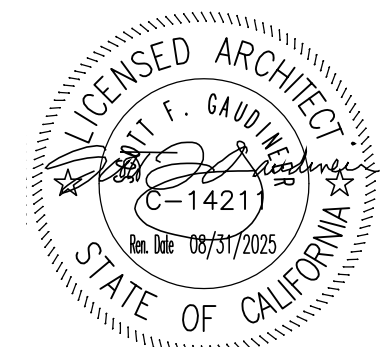
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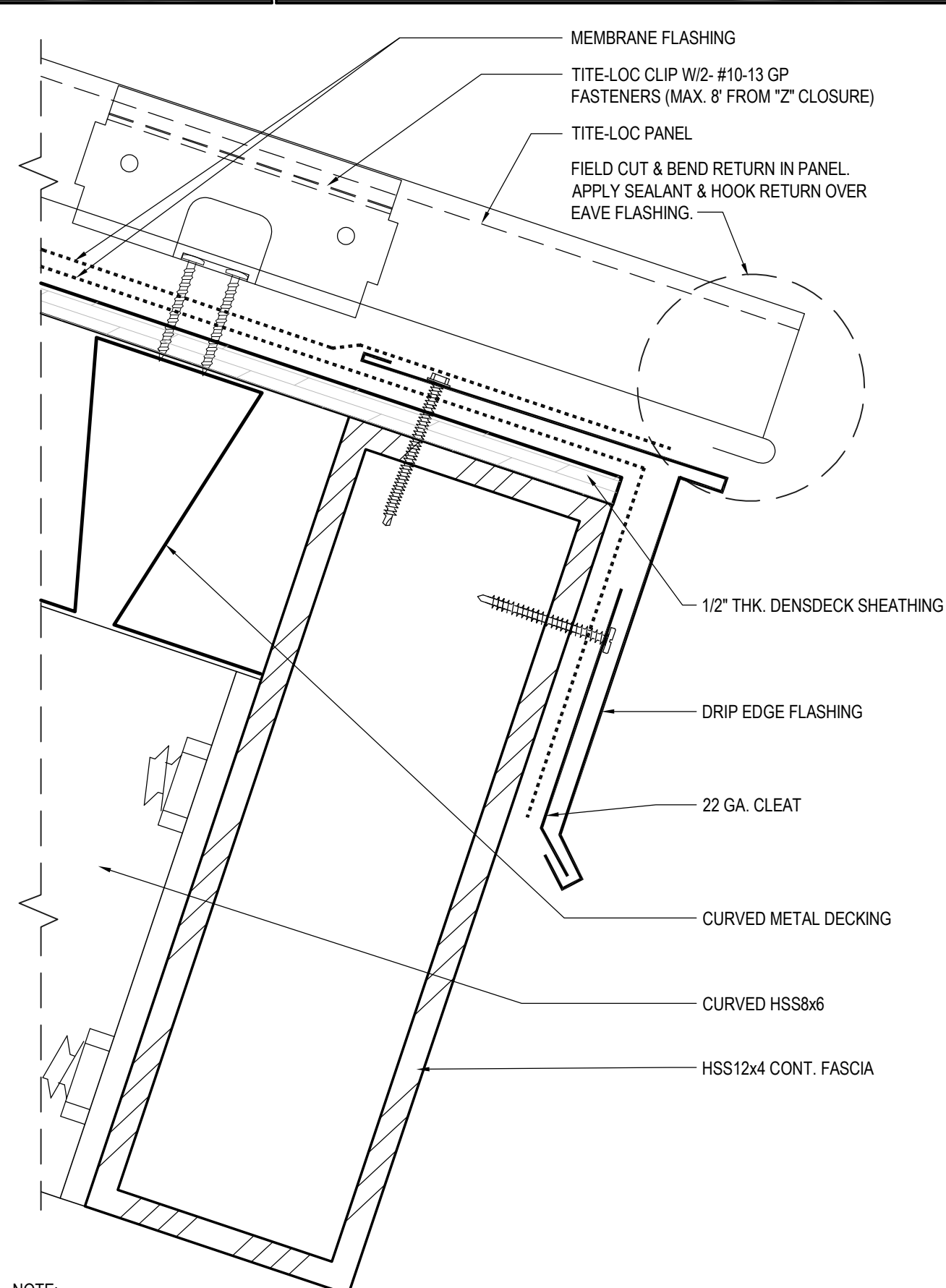
SECTIONS

Job No. _____

2986.0000

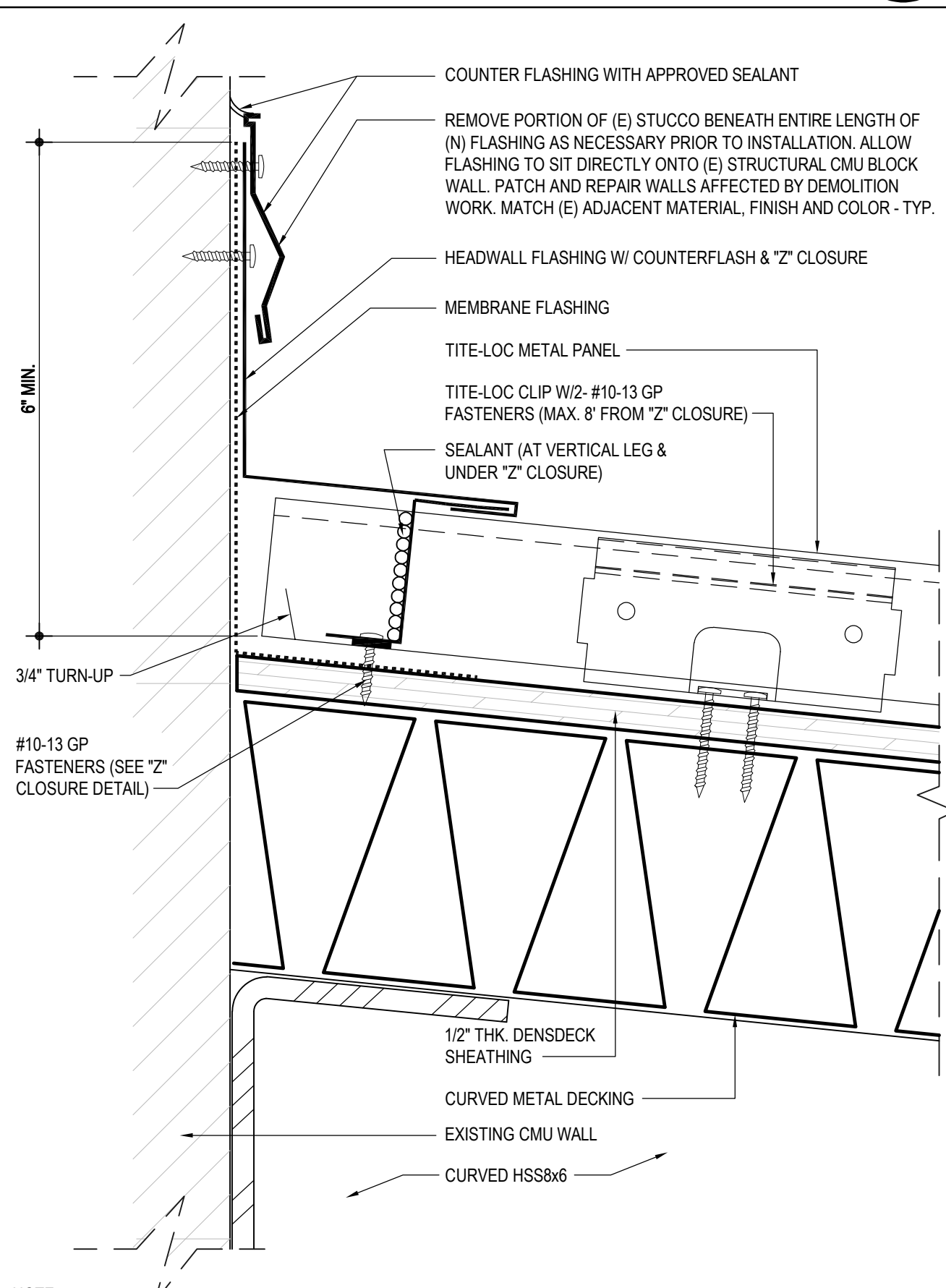
11-18-2022

A4.01



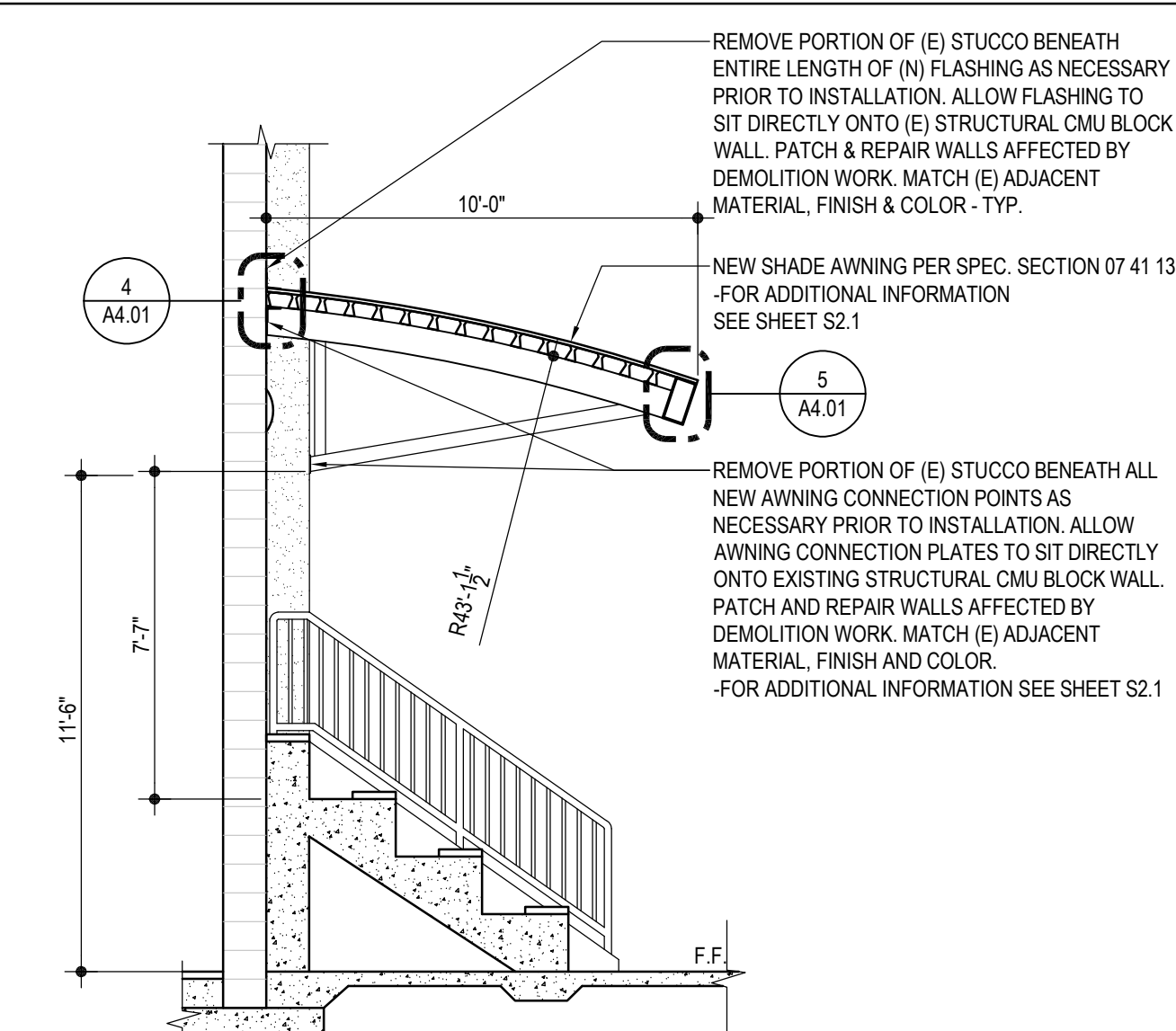
NOTE:
SEE SPECIFICATION SECTION 07 41 13 FOR ADDITIONAL INFORMATION
PAC CLAD IS NON-COMBUSTIBLE AND COMPLIES WITH ASTM E84.

EAVE/E



NOTE: ✓
SEE SPECIFICATION SECTION 07 41 13 FOR ADDITIONAL INFORMATION
PAC CLAD IS NON-COMBUSTIBLE AND COMPLIES WITH ASTM E84.

EI ACU

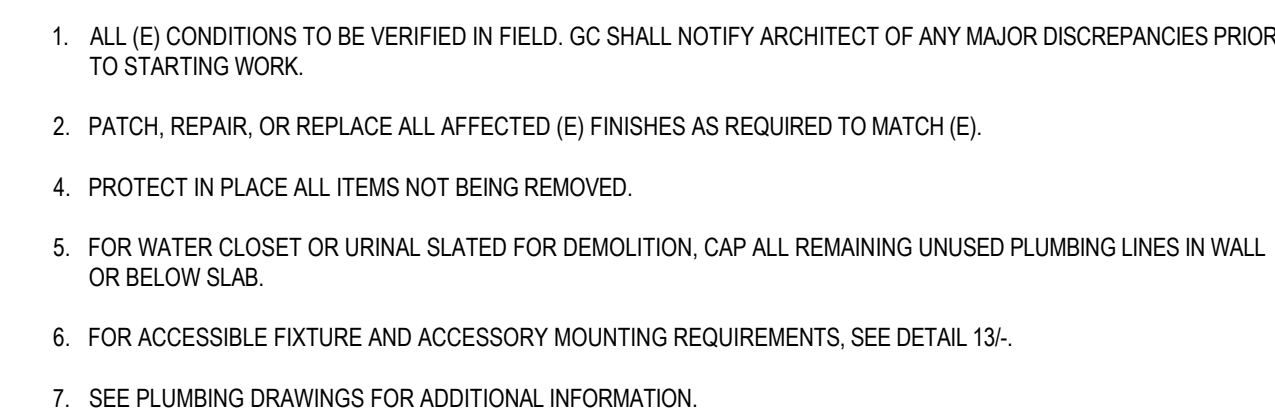
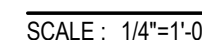
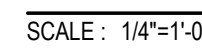
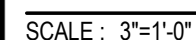
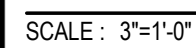
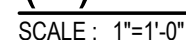


SECTION

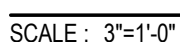
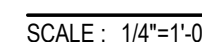
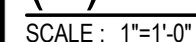
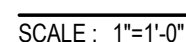
SCALE : 1/4" = 1'-0"

71

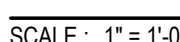
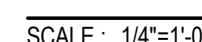
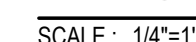
1. CONCRETE MASONRY (CMU) SHALL BE MEDIUM-WEIGHT UNITS CONFORMING TO ASTM C-90. USE OPEN END BLOCK AT VERTICAL REINFORCING BARS AND BAND BEAM BLOCK AT HORIZONTAL BARS.
2. COMPRESSIVE STRENGTH OF MASONRY (f_m) AT 28 DAYS SHALL BE 2,000 PSI IN ACCORDANCE WITH CBC SECTION 2105A.
3. UNITS SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE.
4. ALL CELLS AND SPACES SHALL BE GROUTED SOLID. COMPLY WITH THE REQUIREMENTS OF CBC 2104A.1.3.
5. ALL BARS SHALL HAVE A CLEAR DISTANCE TO THE MASONRY SURFACE OF ONE BAR DIAMETER OR ONE HALF WHICHEVER IS GREATER. EXCEPT WHERE NOTED OR DETAIL OTHERWISE PLACE BARS AS CLOSE TO THE MASONRY SURFACE AS THESE CLEARANCES WILL PERMIT. BOLTS AND EMBEDS SHALL HAVE A MINIMUM OF INCH GROUT COVER ALL AROUND.
6. VERTICAL REINFORCING IN WALLS SHALL BE ON THE WALL CENTER LINE UNLESS NOTED OTHERWISE.
7. COARSE GROUT SHALL BE PER CBC 2103A.3 AND SHALL HAVE A 2000 PSI MINIMUM 28 DAY STRENGTH.
8. MORTAR SHALL BE TYPE S PER CBC 2103A.2.1 AND SHALL HAVE A 1800 PSI MINIMUM 28-DAY STRENGTH.
9. ALL REINF. BARS SHALL CONFORM TO A631 318-20.12, AND ASTM A615 GRADE 60.



1	RE-INSTALL REMOVED (E) ACCESSIBLE LAVATORY W/ FRONT RIM @ 34" MAX. AFF SEE DETAIL 13/ FOR KNEE & TOE CLEARANCE
2	MIRROR W/ REFLECTIVE SURFACE @ 40" MAX. AFF
3	SOAP DISPENSER (BOBRICK B-2111) @ 48" MAX. AFF (44" MAX. AFF WHERE REACH IS 20-25")
4	REINSTALL REMOVED (E) ACCESSIBLE WATER CLOSET W/ TOP OF SEAT @ 17-19" AFF
5	36" LONG GRAB BAR (BOBRICK B-5800) W/ TOP OF GRIPPING SURFACE @ 33-36" AFF
6	42" LONG GRAB BAR (BOBRICK B-5800) W/ TOP OF GRIPPING SURFACE @ 33-36" AFF
7	RECESSED TOILET PAPER DISPENSER (BOBRICK B-3888) @ 19" MIN. AFF
8	SURFACE MOUNTED SEAT-COVER DISPENSER, BOBRICK B-221 OR APPROVED EQUAL @ 48" AFF
9	HAND DRYER, DYSON AIRBLADE V OR APPROVED EQUAL.
10	METAL SHOWERHEAD, DELTA 52140-VP-PK OR APPROVED EQUAL @ 30" AFF
11	8" CMU BLOCK WALL W/ CERAMIC WALL TILE FINISH. SEE DETAIL 14/40.1.
12	SHOWER HANDLE W/ PRESSURE BALANCE VALVE, DELTA T13291-LHD OR APPROVED EQUAL @ 48" AFF
13	SHOWER HANDLE W/ DIVERTER VALVE, DELTA T13291-LHD OR APPROVED EQUAL @ 48" AFF
14	RECTANGULAR FOLDABLE SEAT (BOBRICK B-5193) MOUNTED @ 18" AFF.
15	DETACHABLE SHOWER SPRAY UNIT MOUNTED @ 48" AFF
16	CERAMIC WALL TILE - DALTILE 1.5" DIA. HEXAGON MOSAIC, TYP. ON ALL SIDES - SEE FINISH SCHEDULE, A7.01
17	CERAMIC WALL TILE - DALTILE 3" X 6" BASE COVE, TYP. ON ALL SIDES - SEE FINISH SCHEDULE A7.01.
18	CERAMIC FLOOR TILE - DALTILE KEYSTONE 2" X 2" MOSAIC - SEE FINISH SCHEDULE, A7.01.
19	4" WIDE TRENCH FLOOR DRAIN, OFFSET 1" FROM WALL @ ALL SIDES. DRAIN TO CONNECT TO EXISTING RESTROOM SEWER. SEE DETAIL 14.
20	SANITARY NAPKIN DISPOSAL (BOBRICK B-254) @ 30" AFF.
21	SHOWER GRAB BARS (BOBRICK B-5837) W/ TOP OF GRIPPING SURFACE @ 33-36" AFF
22	COMPACT GRAB LAMINATE PARTITION (BOBRICK DURA LINE 1180 SERIES).



	ADULTS
TOILET CENTER LINE FROM WALL	17'-18"
TOILET SEAT HEIGHT	17'-19"
GRAB BAR HEIGHT (TOP OF SURFACE)	33'-36"
TOILET PAPER IN FRONT OF TOILET	7'-9"
TOILET PAPER ABOVE FLOOR	19' MIN.
NAPKIN DISPOSAL	30" MAX.
DISPENSER FROM MAX. OPENING OR BOTTOM OF REFLECTIVE SURFACE	40" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.
LAVATORY APRON CLEAR	29" MIN.
URINAL PLIP HEIGHT	17" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.



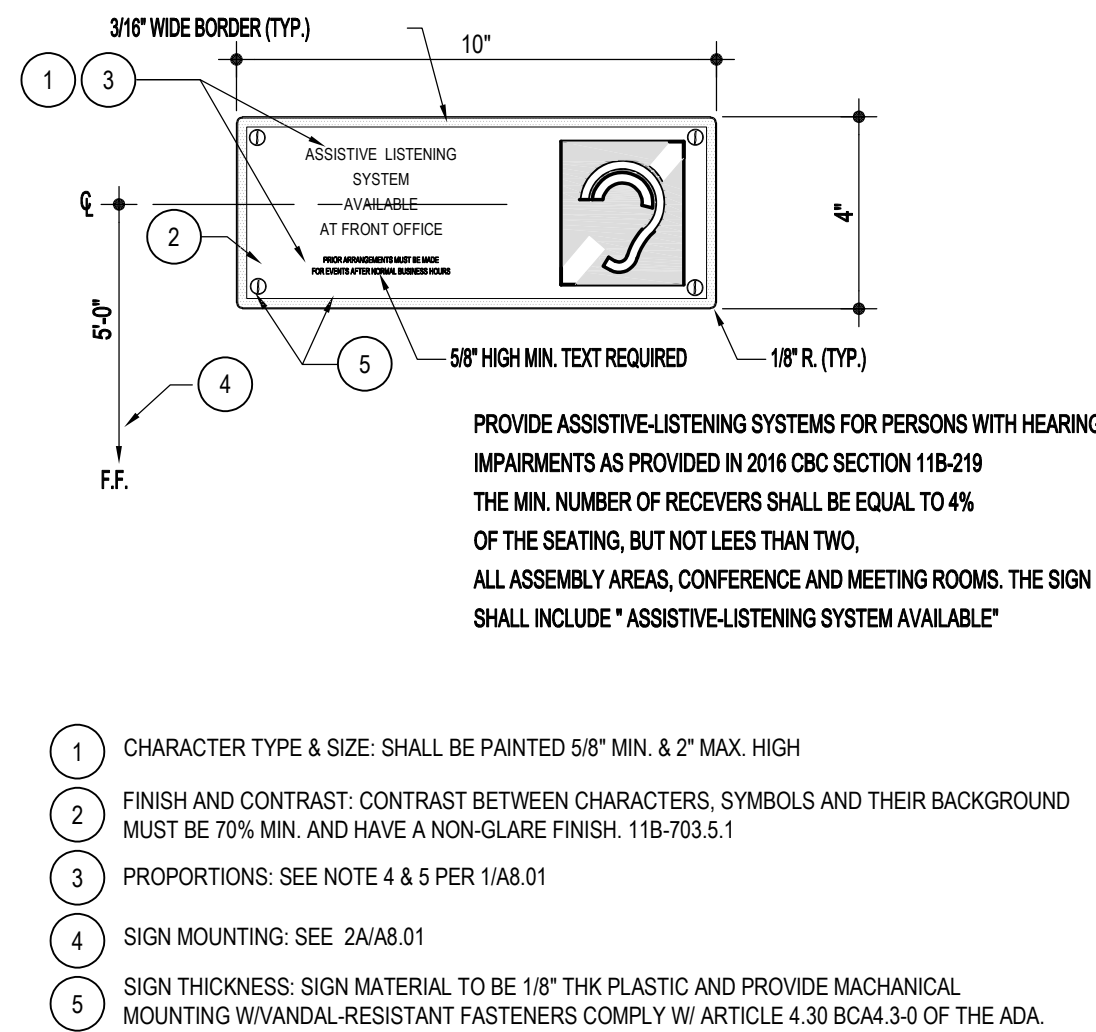
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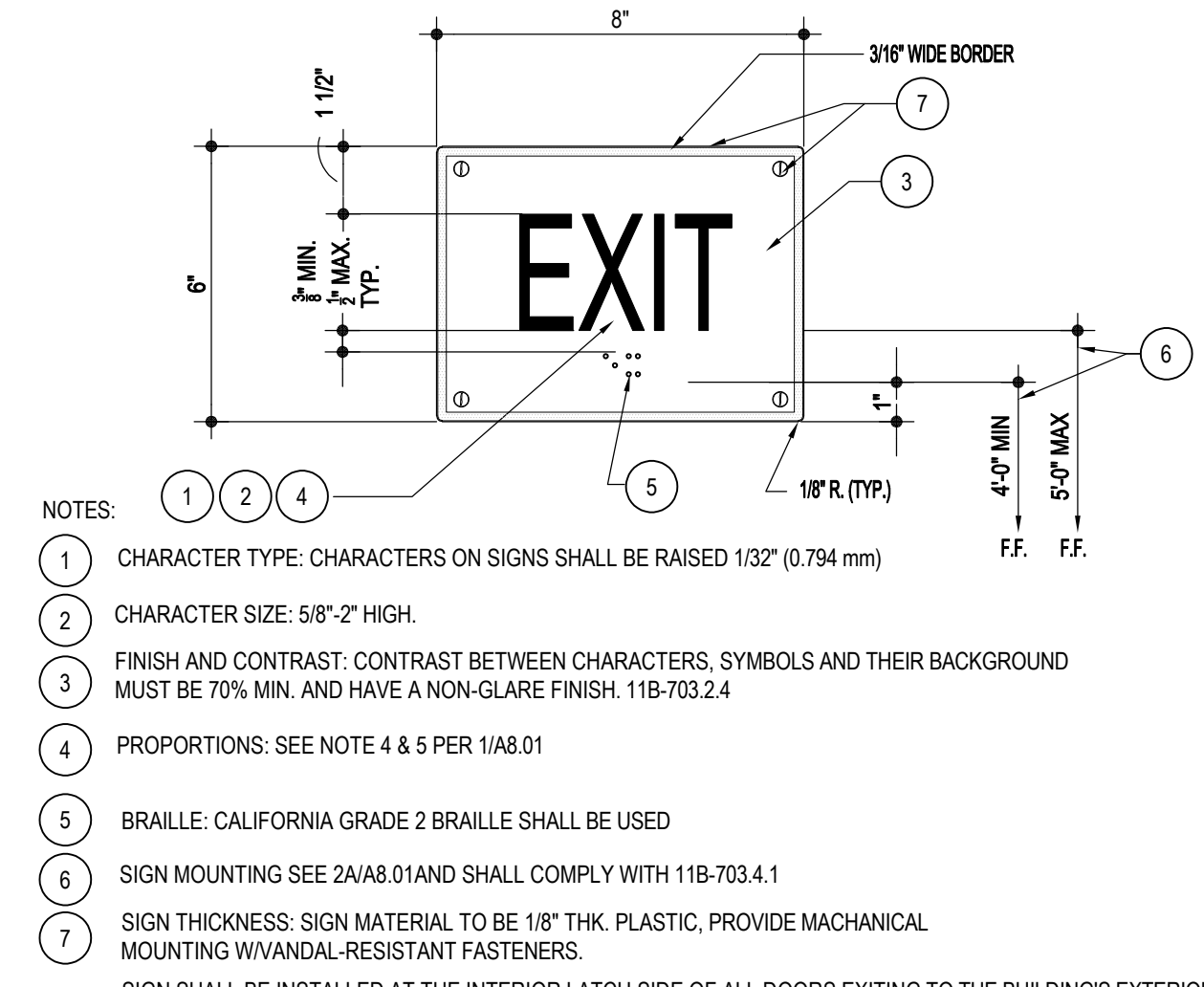
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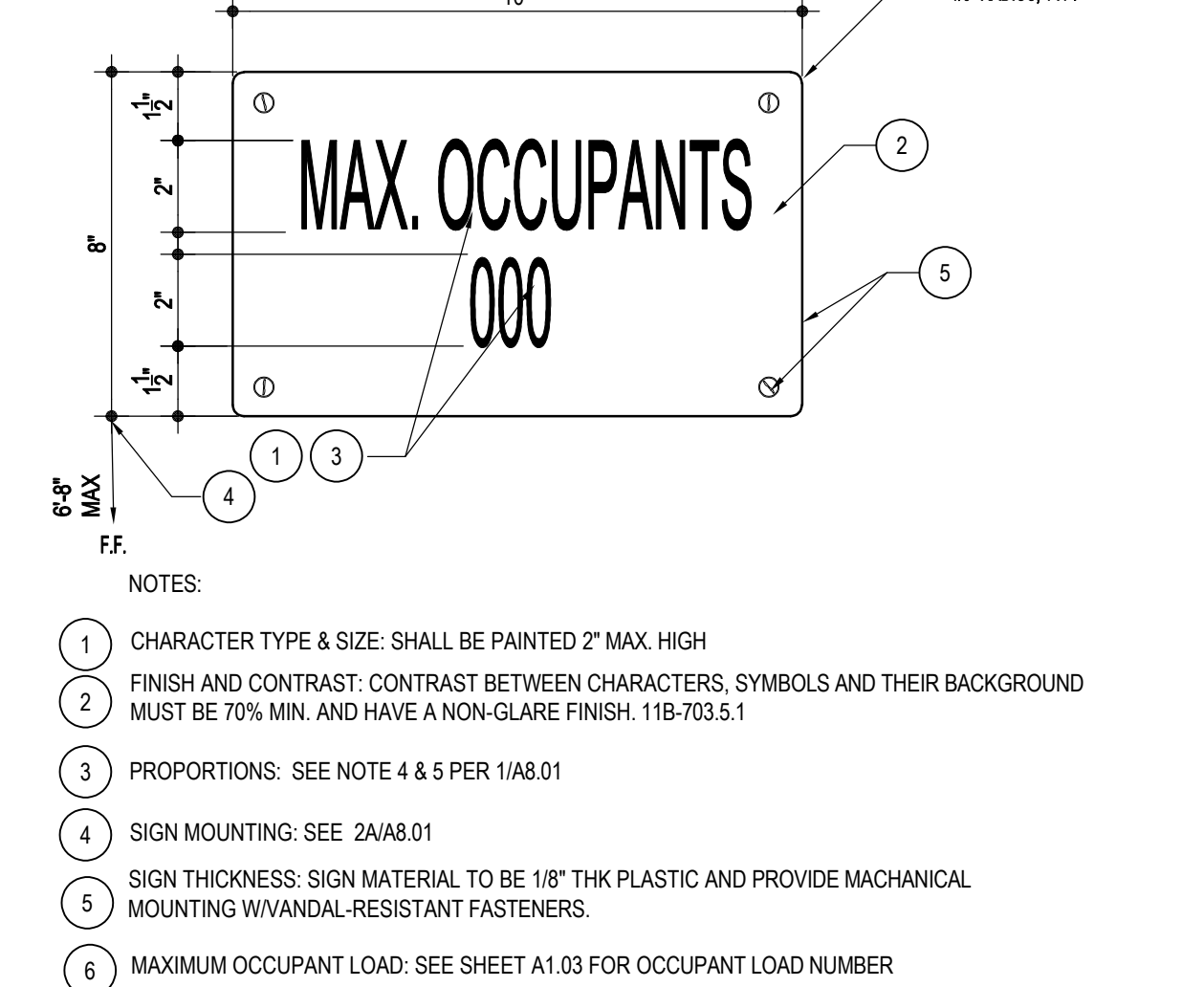
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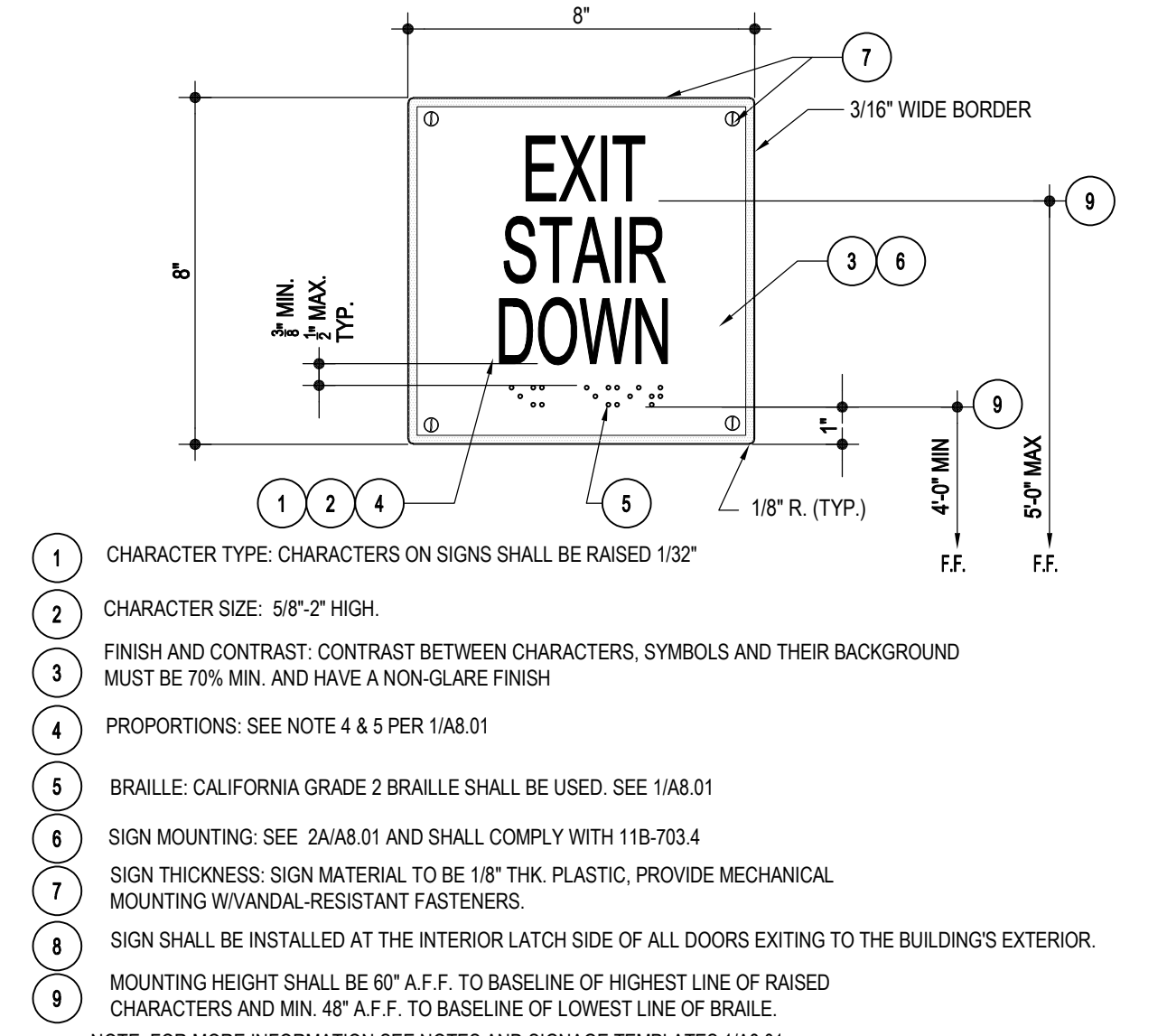
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SHEET REFERENCE : A8.01



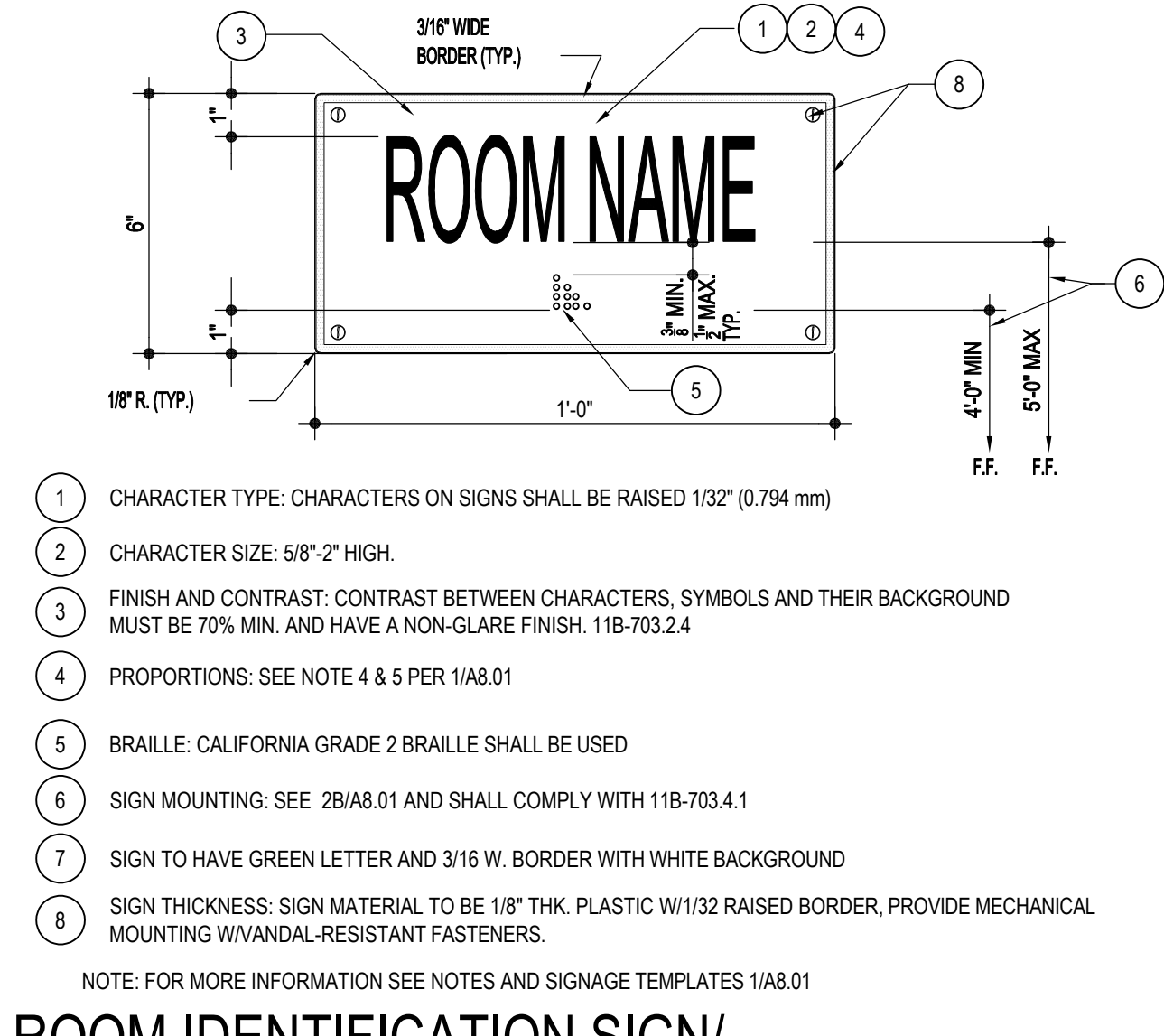
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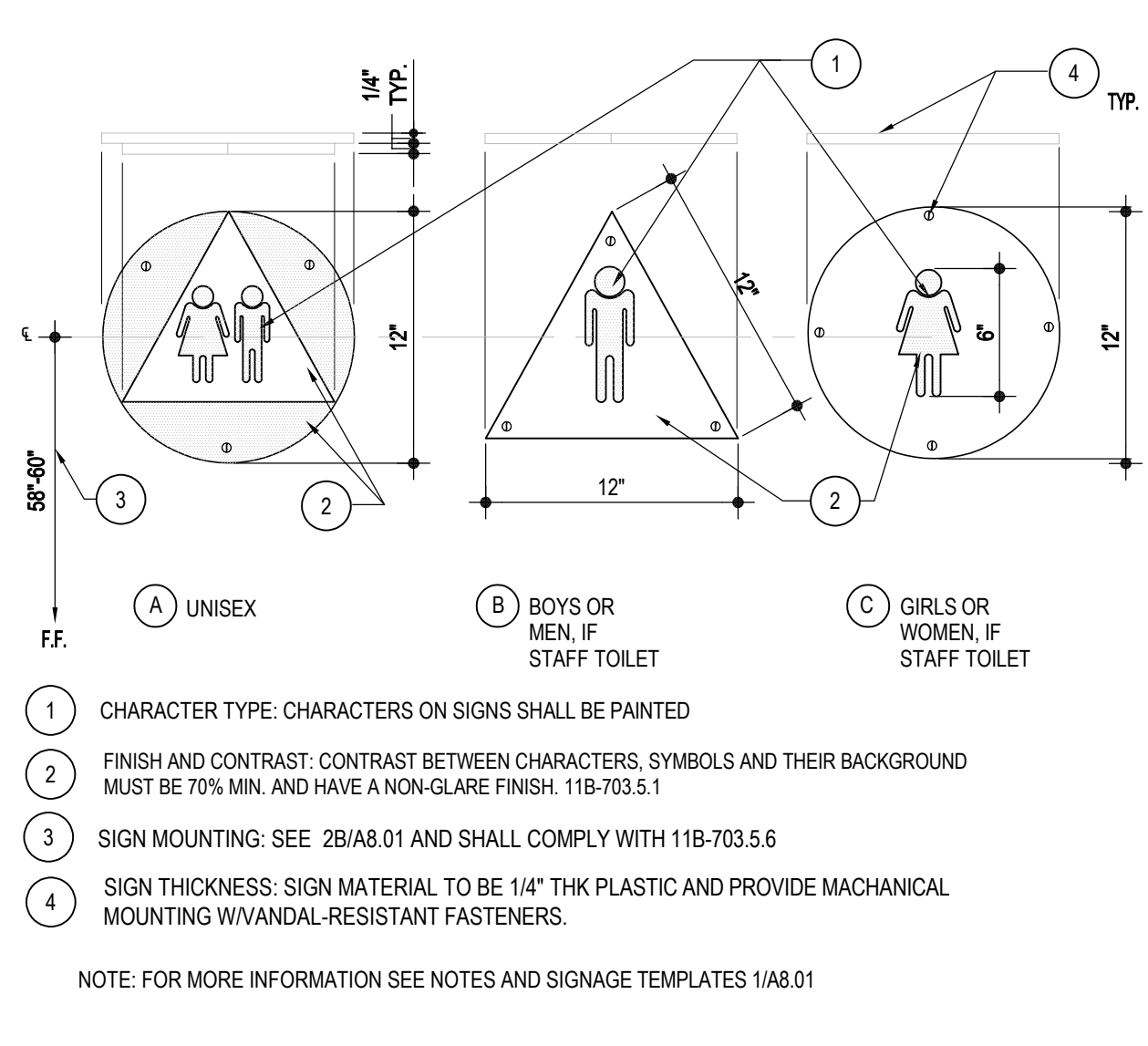
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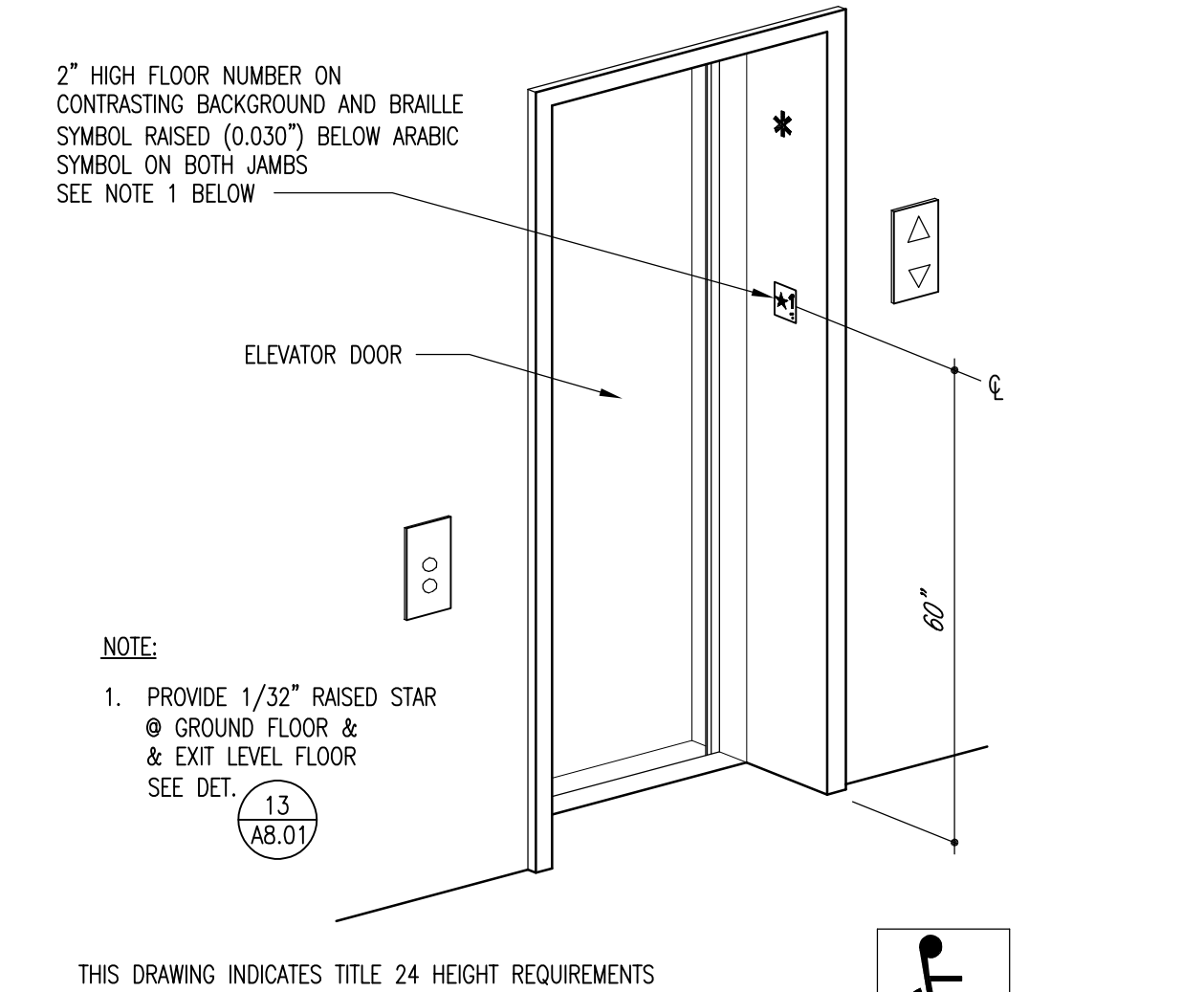
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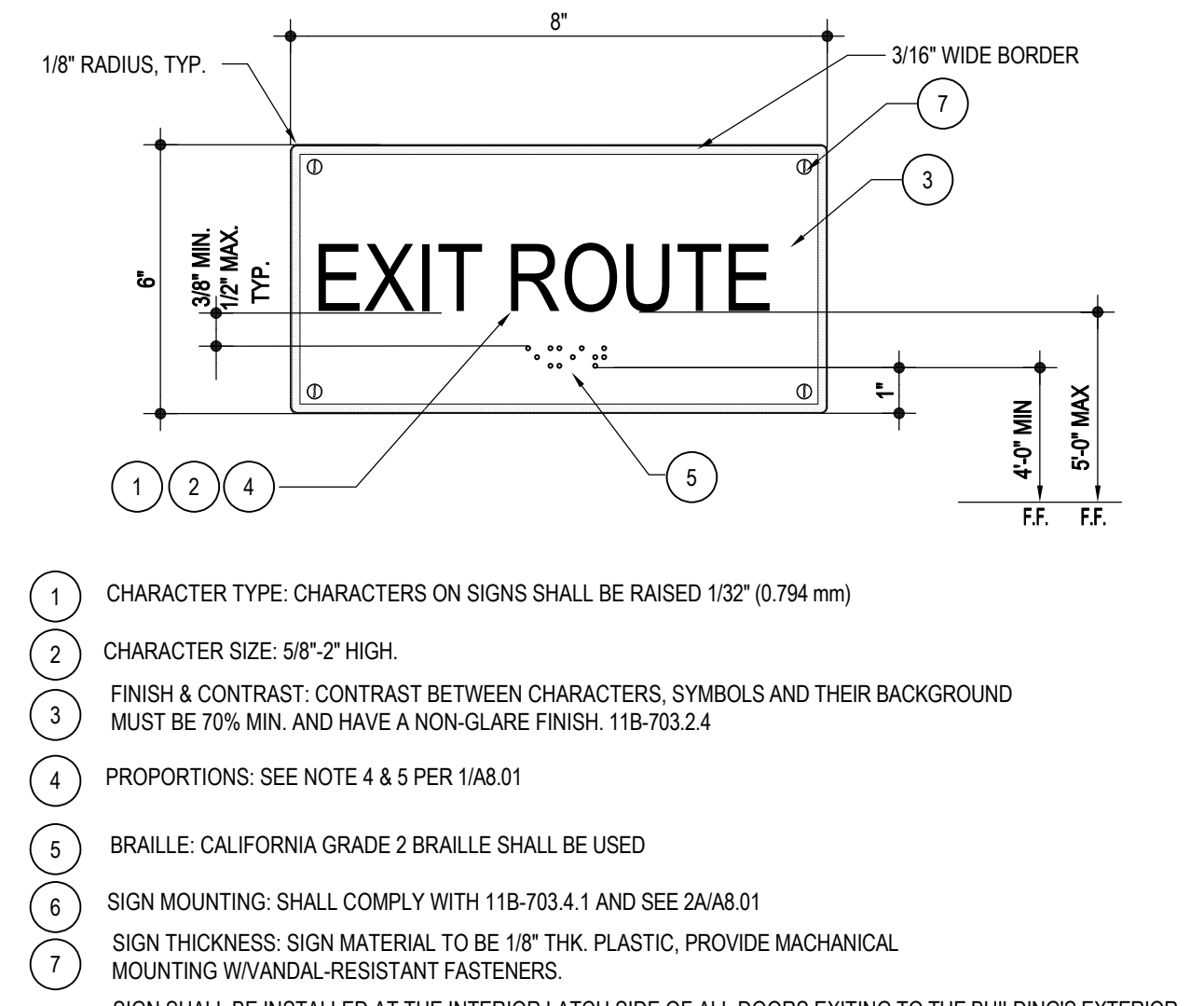
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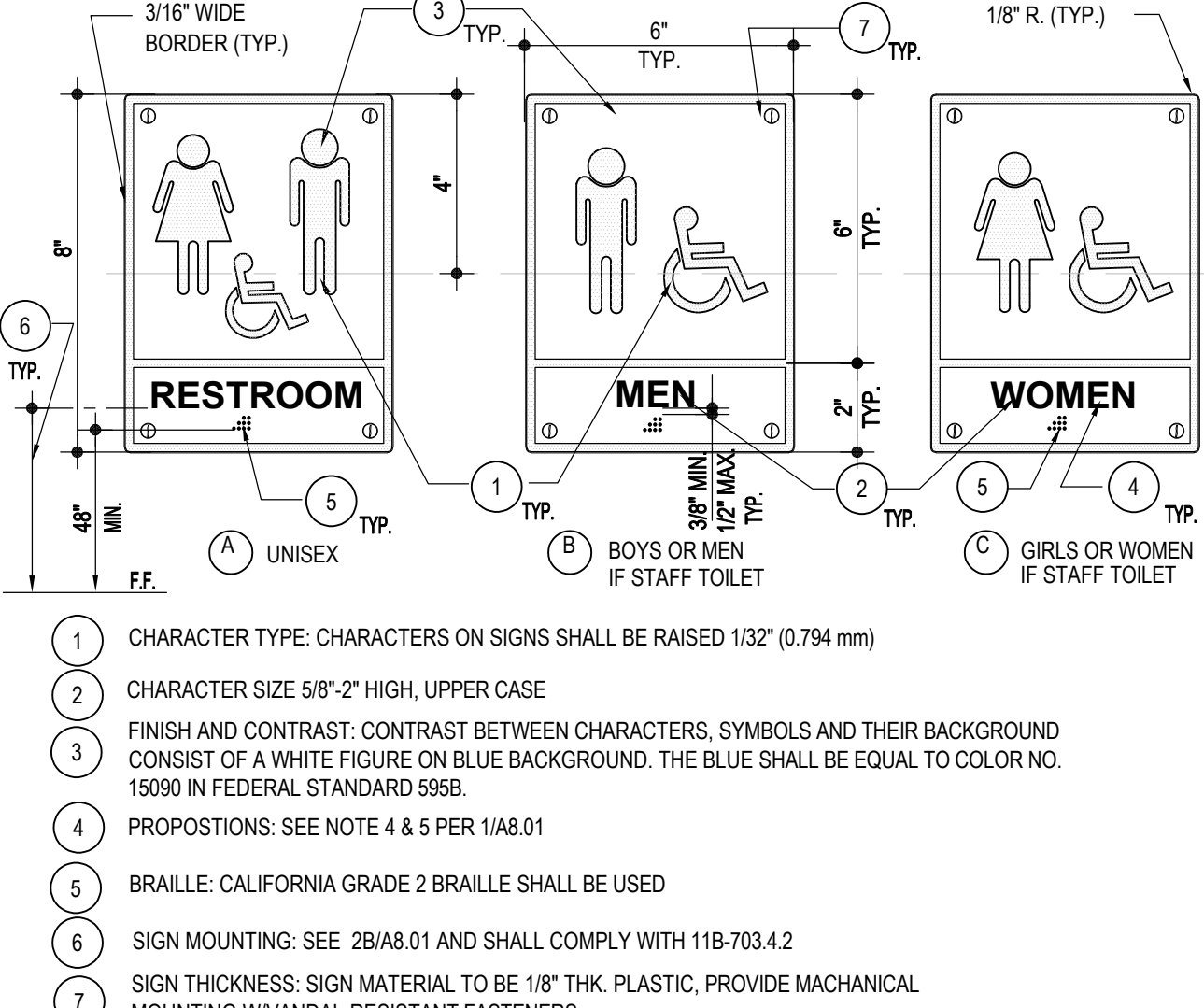
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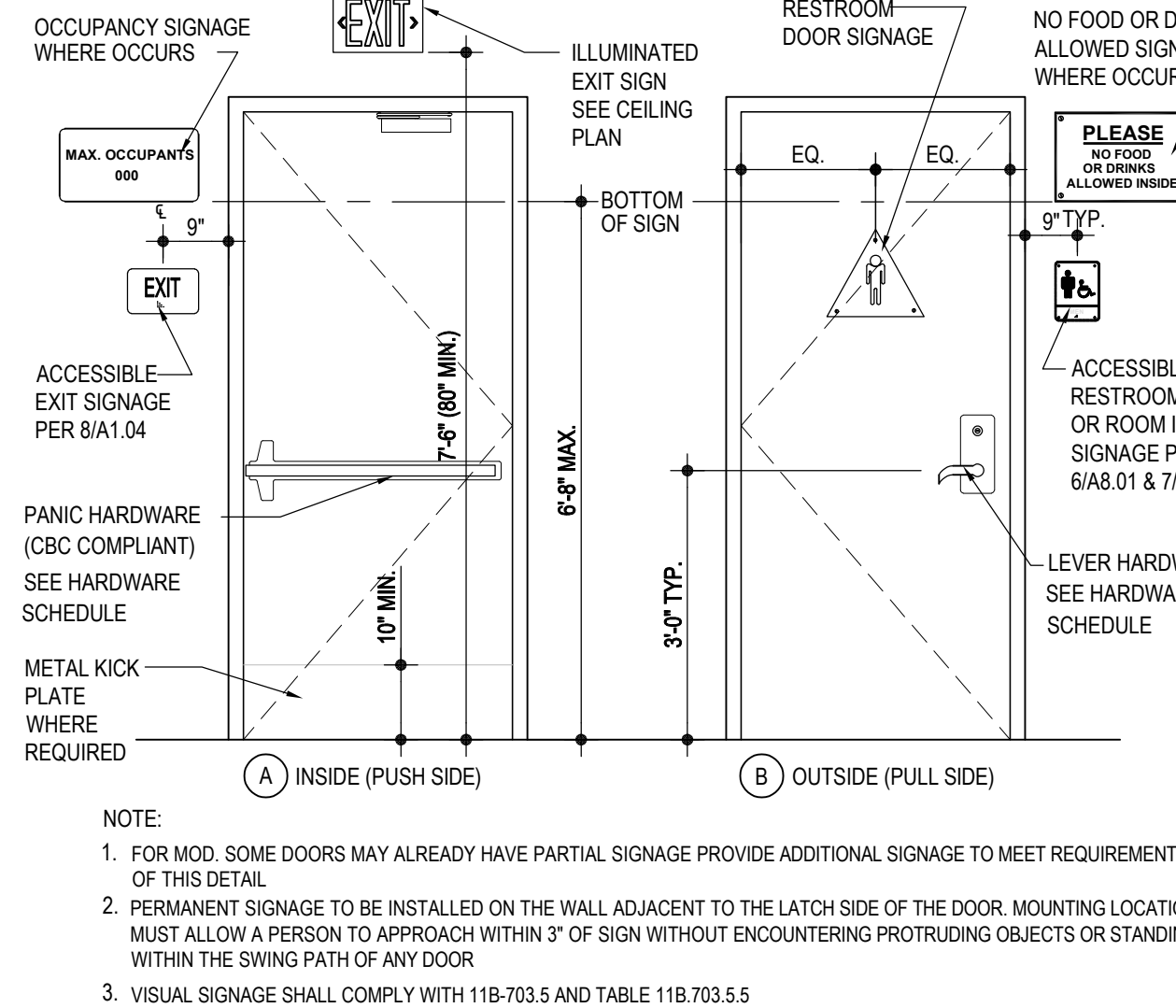
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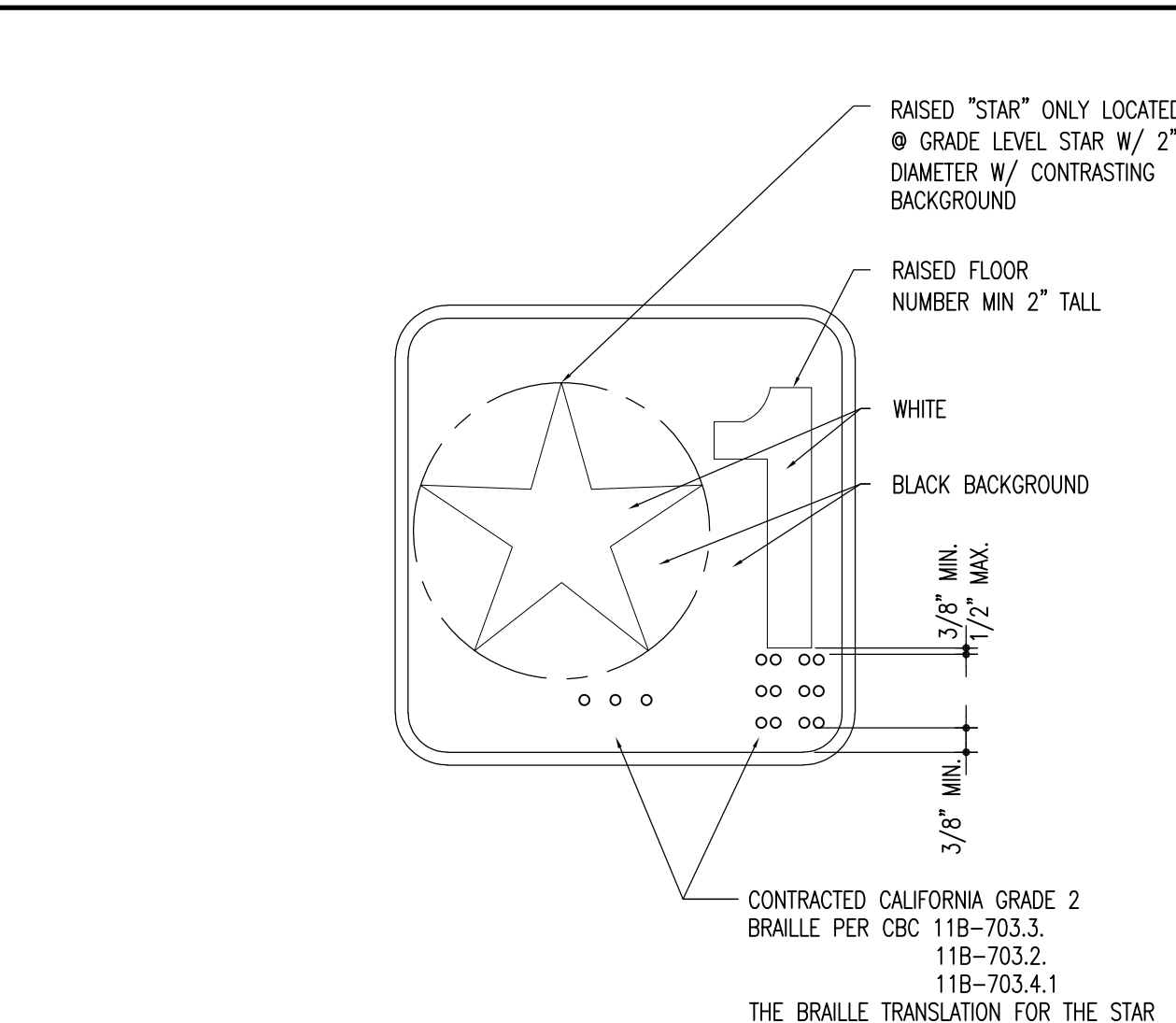
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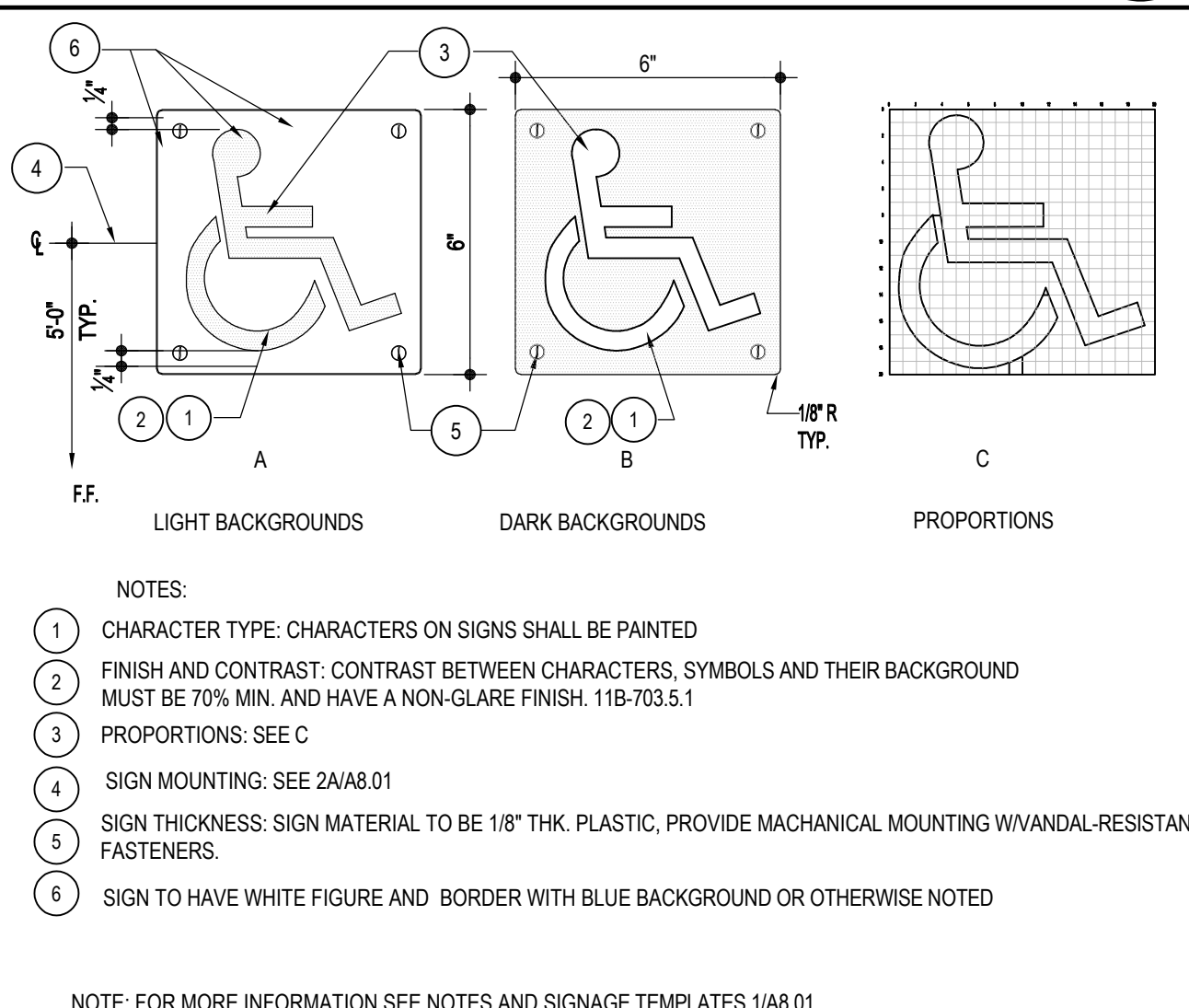
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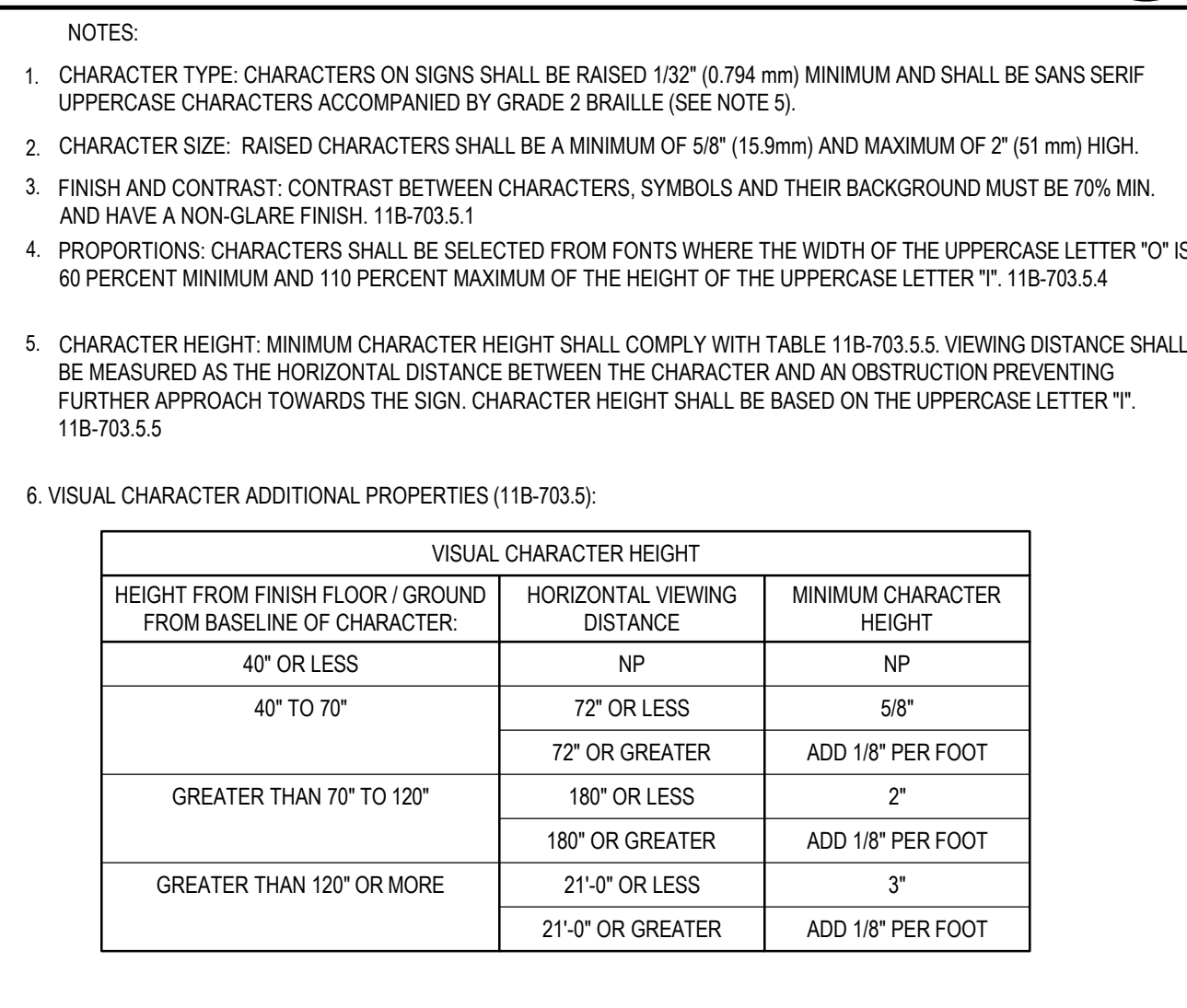
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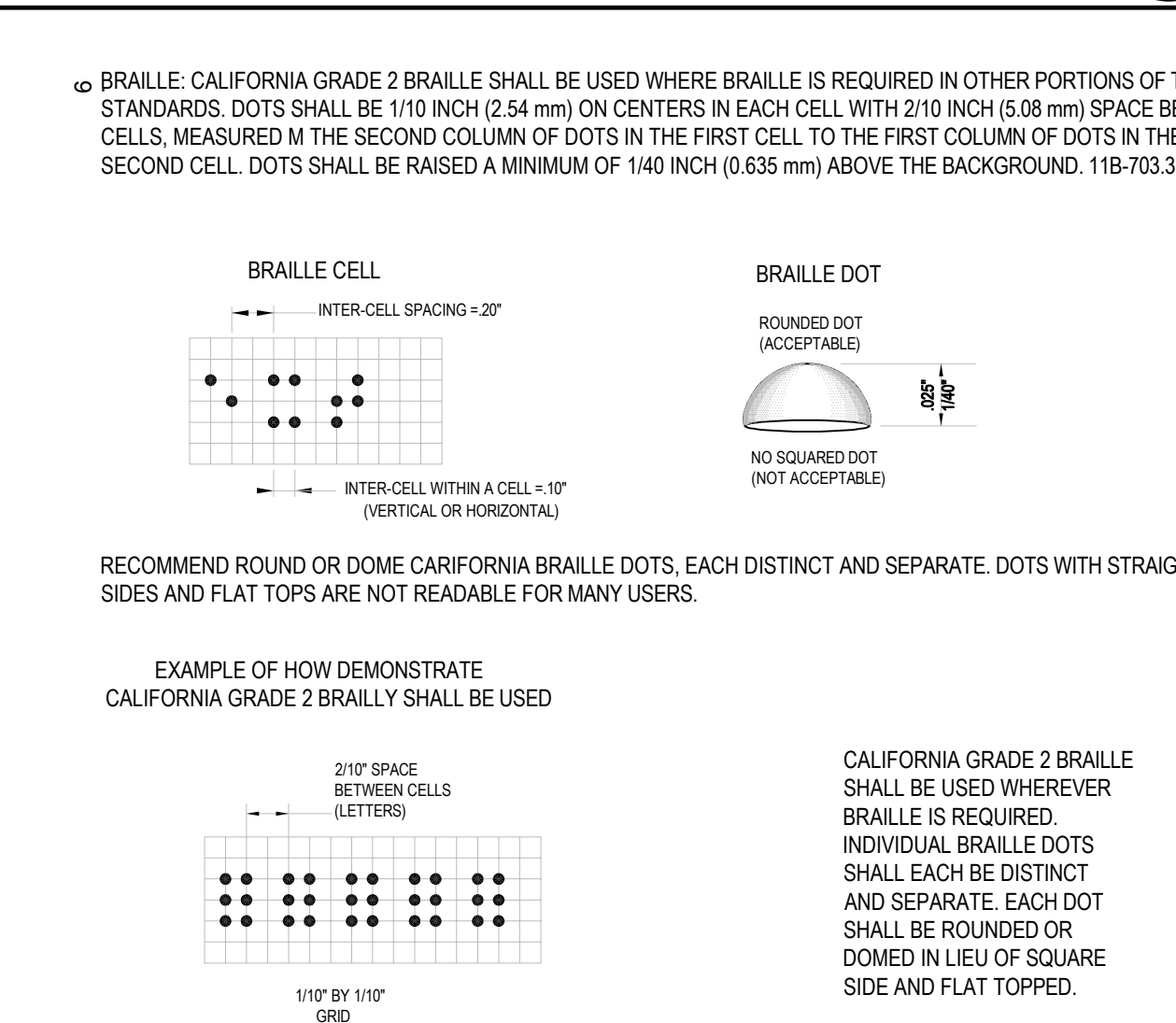
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INTERNATION SYMBOL OF ACCESSIBILITY ISA 9
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SHEET NO. : 1
SHEET REFERENCE : A8.01



SIGNAGE TEMPLATES
SCALE : N.T.S. PROJECT NUMBER : 298
SHEET NO. : 1
SHEET REFERENCE : A8.01



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AGENCY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122682 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/21/2024

PTN_64337-110 APPL_03-122682

FLEWELLING & MOODY
architecture planning interiors

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661.949.0771
E-Mail: fm-lancaster@flewellling-moody.com

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ARCHITECT

CONSULTANT

Drawn by

Checked by

Revisions

No.	Date	Description
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All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewellling & Moody.

BURBANK UNIFIED
SCHOOL DISTRICT
BURBANK
HIGH SCHOOL
AQUATIC CENTER
MODERNIZATION
902 NORTH 3RD STREET
BURBANK, CA 91502

SIGNAGE
DETAILS

Job No.
2986.0000
Date
11-18-2022

A8.01

F:\Project\2986-0000-BurbankUSD-AquaticsMod\DWG\2986-0000-A8-01.dwg: Last Saved By: sreynia - Sep 19, 2023 - 11:05am Last Printed By: SREYNIA - Sep 26, 2023, 4:47pm



IDENTIFICATION STAMP
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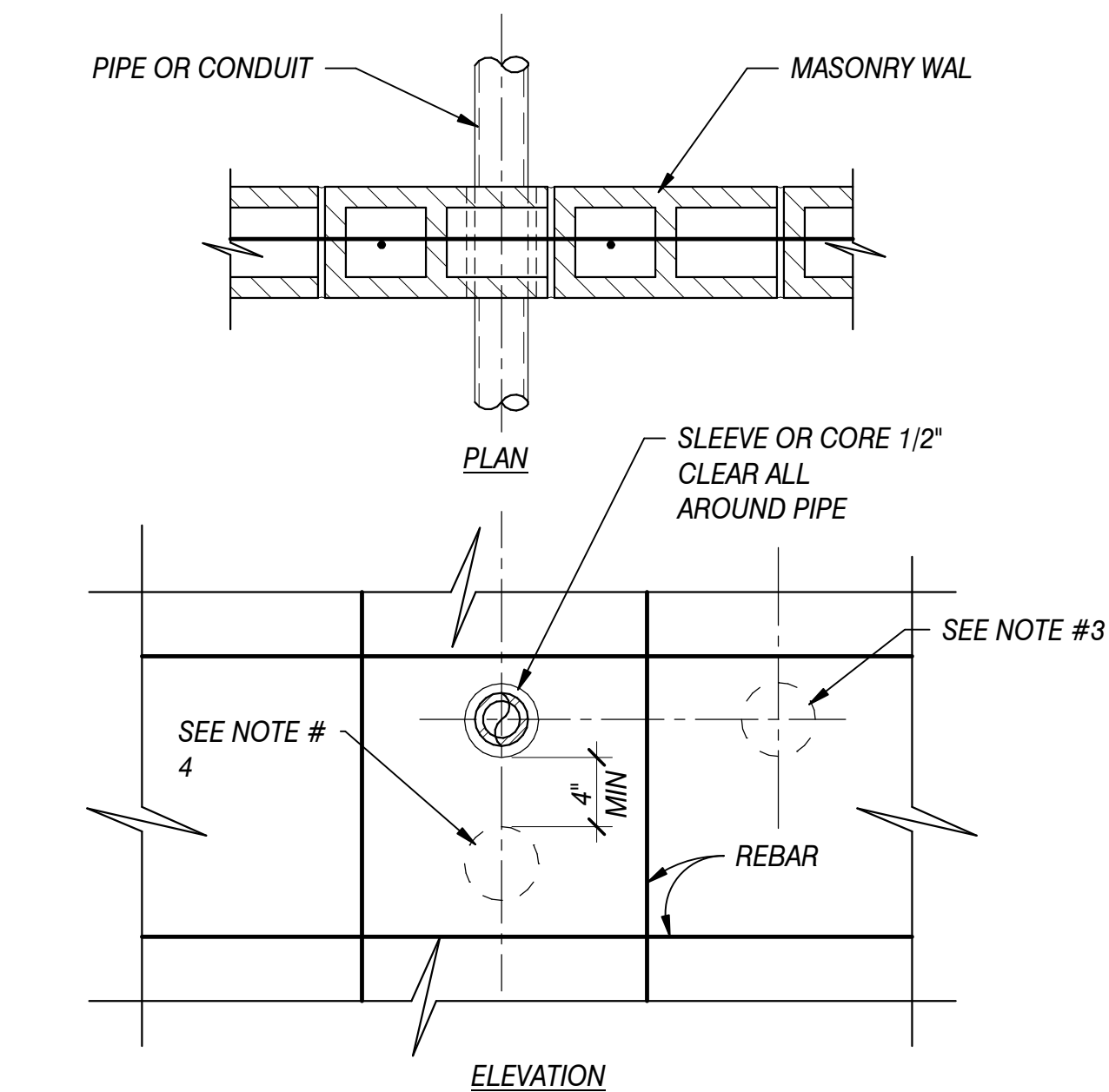
Revisions

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BURBANK UNIFIED SCHOOL DISTRICT
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BURBANK, CA 91502

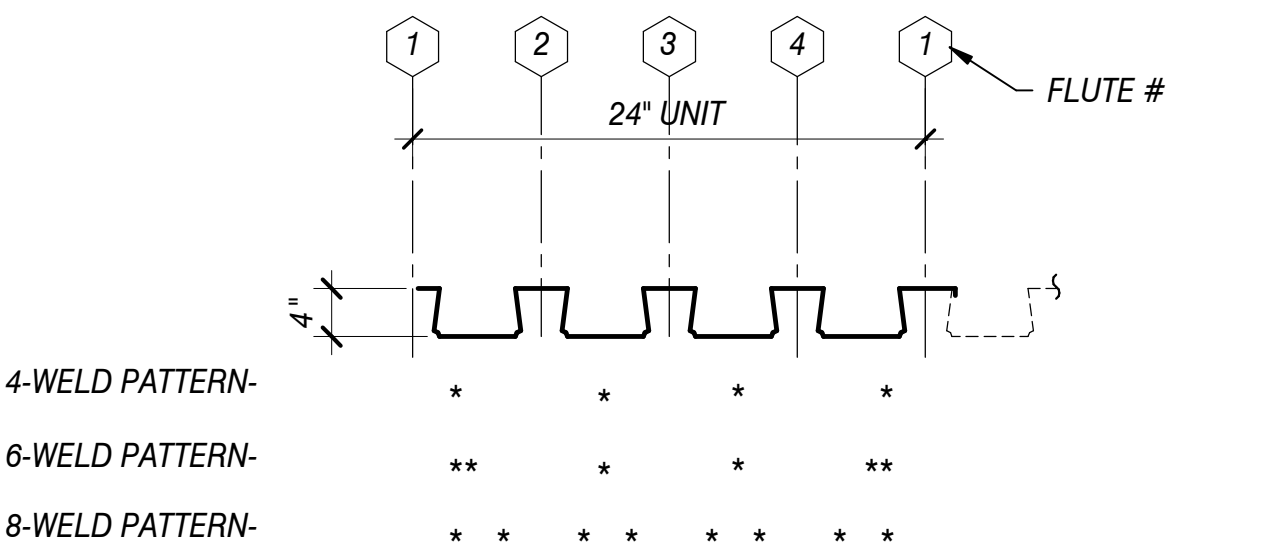
PHOTOS
(FOR REFERENCE ONLY)

JOB No.
2986.0000
A9.01
Date
11-18-2022



- NOTES:
- COORDINATE WITH MECHANICAL, PLUMBING, AND ELECTRICAL TRADES THE SIZE AND LOCATION OF ALL PENETRATIONS. FOR GROUPS OF PIPES AND CONDUIT BANKS NOT MEETING THE SIZE AND SPACING LIMITATIONS HEREIN, PROVIDE WALL OPENINGS FOR SUCH GROUPS PER TYPICAL DETAIL.
 - WALLS MAY BE SLEEVED OR CORED UP TO 10" DIA TO PASS PIPES OR CONDUITS. PROVIDE MINIMUM 1/2" CLEARANCE ALL AROUND PIPE. DO NOT CUT REBAR. PRIOR TO CORING LOCATE AND MARK BAR LOCATIONS ON WALL SURFACE. PENETRATIONS SHALL NOT BE CLOSER THAN 8" TO ANY WALL EDGE.
 - UNLESS APPROVED OTHERWISE BY THE STRUCTURAL ENGINEER ADJACENT PENETRATIONS ARE PERMISSIBLE SPACED AT 1'-4" MINIMUM ON CENTER. PENETRATIONS 3" DIA AND SMALLER MAY BE SPACED AT 8" MINIMUM.
 - PENETRATIONS MAY STACK IN VERTICAL ALIGNMENT UP TO FOUR HIGH WITH A MINIMUM SEPARATION OF 4 INCHES BETWEEN.

TYP PENETRATIONS THROUGH MASONRY WALLS

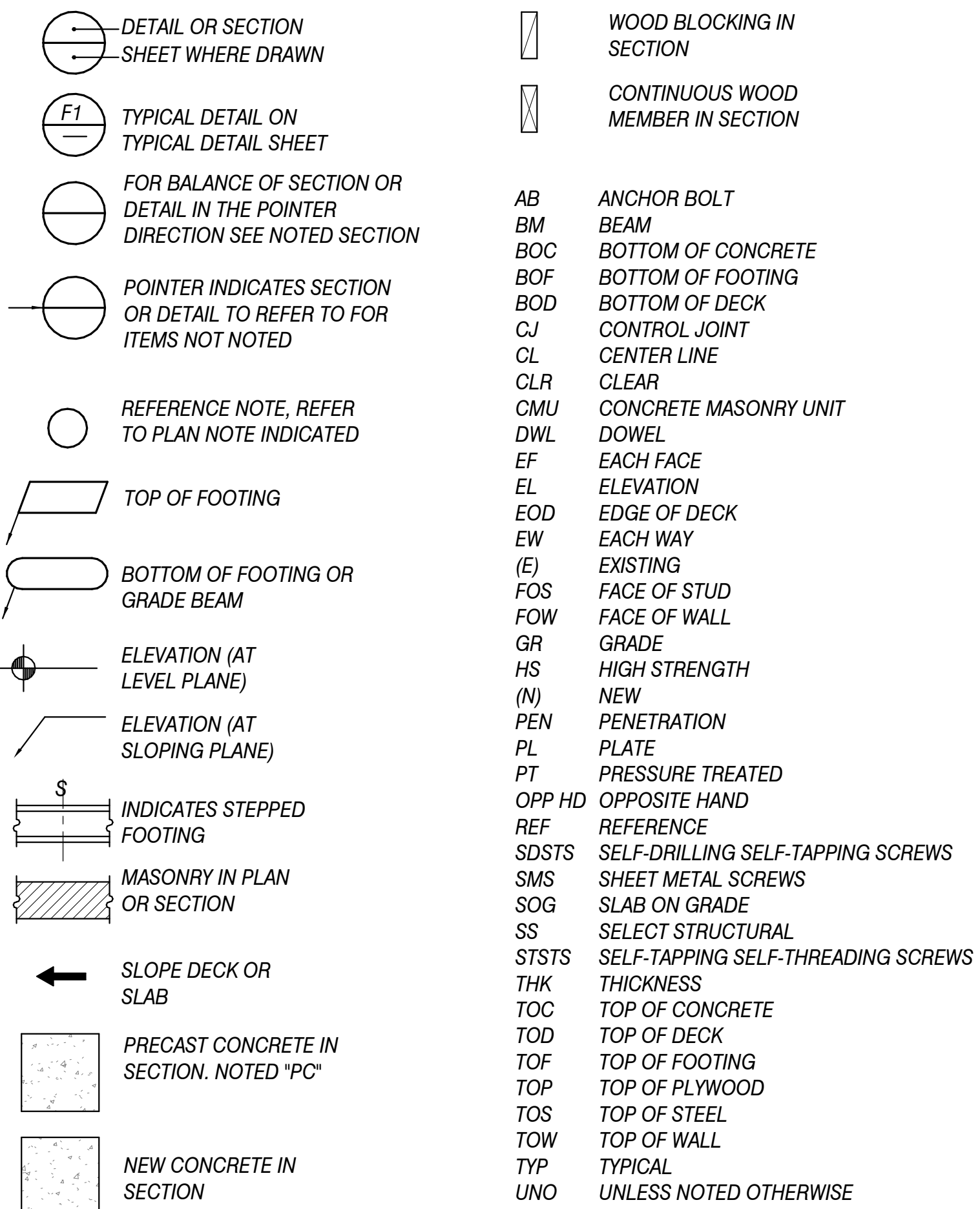


TYPICAL STEEL DECK WELDING DETAIL

TYPE	GA	I (IN) ⁴	S(+)(IN) ³	S(-)(IN) ³	REMARKS
TORIS 4	20	2.53	0.77	0.82	NON-COMPOSITE
TORIS 4	18	3.42	1.24	1.24	NON-COMPOSITE
TORIS 4	16	4.36	1.66	1.66	NON-COMPOSITE

- NOTES:
- REFER TO PLANS FOR STEEL DECK TYPE, GAGE AND WELD SPACING.
 - (*) ASTERISK INDICATES LOCATION OF 1/2" EFFECTIVE PUDDLE WELD.

TYPICAL STEEL DECK WELDING DETAIL



STANDARD SYMBOLS AND NOTATION

STRUCTURAL OBSERVATIONS

- THE OWNER SHALL EMPLOY COSTA AND ASSOCIATES OR OTHER CALIFORNIA REGISTERED STRUCTURAL ENGINEER TO PERFORM STRUCTURAL OBSERVATION IN ACCORDANCE WITH CBC SECTION 1704A.6 AND ALL PERTINENT AMMENDMENTS.
- PERIODIC STRUCTURAL OBSERVATION WILL BE PROVIDED BY THE STRUCTURAL ENGINEER FOR THE FOLLOWING WORK INDICATED BELOW. CONTRACTOR SHALL NOTIFY ENGINEER 48 HOURS PRIOR TO REQUIRED OBSERVATIONS. DELINQUENT NOTIFICATION MAY REQUIRE DEMOLITION OF COVERING MATERIAL TO FACILITATE OBSERVATION.
 - STRUCTURAL STEEL FRAMING.
 - METAL DECK ATTACHMENT.
- STRUCTURAL OBSERVATIONS PERFORMED BY STRUCTURAL ENGINEER CONSIST ON THE VISUAL REVIEW OF THE STRUCTURAL SYSTEMS MAJOR ELEMENTS AND ITS CONNECTIONS FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AT SUBSTANTIAL CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTORS REQUIRED OF THE BUILDING INSPECTOR OR THE SPECIAL INSPECTOR AS REQUIRED BY CBC SECTION 1705A.

POST-INSTALLED ANCHORS

- POST INSTALLED ANCHORS SUCH AS EXPANSION BOLTS AND EPOXY ANCHORS SHALL BE USED WHERE SPECIFIED IN THESE DOCUMENTS AND THEIR USE IS SUBJECT TO ADHERENCE TO THE INSTALLATION PROCEDURES AND LIMITS ON EDGE DISTANCE AND SPACING INDICATED IN THE ICC PRODUCT APPROVAL REPORT. POST-INSTALLED ANCHORS MAY BE USED IN LIEU OF CAST-IN-PLACE ANCHORS ONLY WHERE APPROVED IN WRITING BY THE ENGINEER.
- WHERE ANCHOR "PENETRATION" OR "EMBEDMENT" INTO CONCRETE IS SPECIFIED, IT IS INTENDED TO SPECIFY THE MINIMUM EFFECTIVE PENETRATION.
- WHEN APPROVED IN WRITING BY THE STRUCTURAL ENGINEER, POST INSTALLED ANCHORS MAY BE USED IN LIEU OF CAST-IN-PLACE ANCHOR BOLTS. THE DIAMETER AND EMBEDMENT OF THE EXPANSION BOLT SHALL BE SPECIFIED AS SAME AS THE CAST-IN-PLACE ANCHOR.
- TESTING FOR POST-INSTALLED ANCHORS IN CONCRETE SHALL BE IN ACCORDANCE WITH CBC 1910A.5. TEST OF POST-INSTALLED ANCHORS IN MASONRY SHALL COMPLY WITH CBC 1705A.4. TYPICAL TEST VALUES ARE LISTED IN THE FOLLOWING NOTES AND TABLES.
- WHERE POST-INSTALLED ANCHORS ARE SPECIFIED, THEY SHALL BE OF THE TYPE AND MANUFACTURER INDICATED BELOW AND INSTALLED IN ACCORDANCE WITH ITS EVALUATION REPORT. THE EDGE DISTANCE AND SPACING SHALL CONFORM TO THE LIMITS INDICATED IN THE PRODUCTS REPORT. THE ALTERNATE PRODUCTS LISTED MAY BE USED ONLY WHEN APPROVED IN WRITING BY THE ENGINEER. THE TABULATED PENETRATIONS LISTED ARE MINIMUM UNO IN THESE DOCUMENTS.
- EXPANSION ANCHORS IN CONCRETE** SHALL BE:
 - a. SIMPSON STRONG-BOLT2 (ESR-3037)
 - b. ALTERNATE: HILTI KB-TZ2 (ESR-4268)
 - c. ALTERNATE: POWERS POWER-STUD + SD2 (ESR-2502)
- EXPANSION ANCHORS IN CMU MASONRY** SHALL BE:
 - a. SIMPSON STRONG-BOLT2 (IAPMO ER-240)
 - b. ALTERNATE: HILTI KB-TZ2 (ESR-4561)
 - c. ALTERNATE: POWERS POWER-STUD + SD1 (ESR-2966)
- EPOXY ANCHORS INTO CONCRETE** SHALL BE:
 - a. SIMPSON SET-XP (ESR-2508), USE SIMPSON SET-3G (ESR-4057) AT FIRE RATED CONSTRUCTION.
 - b. ALTERNATE: HILTI RE-500-V3 SAFESSET (ESR-3814)
 - c. ALTERNATE: PURE 110+ (ESR-3298)
- EPOXY ANCHORS INTO CMU** SHALL BE:
 - a. SIMPSON SET-XP (ER-265)
 - b. ALTERNATE: HILTI HIT-HY 270 (ESR-4143)
 - c. ALTERNATE: POWERS AC100+GOLD (ESR-3200)
- SCREW ANCHORS INTO CONCRETE** SHALL BE:
 - a. SIMPSON TITEN-ND (ESR-2713)
 - b. ALTERNATE: HILTI KWIK HUS-EZ (ESR-3027)
 - c. ALTERNATE: POWERS WEDGE-BOLT+ (ESR-3889)
- SCREW ANCHORS INTO MASONRY**
 - a. HILTI KWIK HUS-EZ (ESR-3056)
- POWER DRIVEN SHOT PINS (LOW VELOCITY)**
 - a. SHOT PINS MAY BE USED FOR SHEAR LOADS AND THEY MAY BE USED IN TENSION TO SUPPORT LOADS LESS THAN 90 POUNDS FOR MINOR LOADS LIKE ACOUSTICAL CEILINGS, DUCT WORK, CONDUITS, ETC.
 - b. SHOT PINS SHALL BE 0.157 INCH DIAMETER SIMPSON PDPAT (ESR-2138). ALTERNATES: HILTI X-U (ESR 2289) OR POWERS CSI PER ICC (ESR-2024)
 - c. SHOT PINS SHALL HAVE A MINIMUM PENETRATION OF 1" INTO CONCRETE.
 - d. THE ALLOWABLE LOADS SHALL BE 90 POUNDS OR 80% OF ICC REPORT APPROVED VALUES, WHICHEVER IS LESS.
 - e. QUALIFICATION FOR USE OF ALL POWER ACTUATED TOOLS MUST MEET ANSI A10.3 STANDARD AS REQUIRED BY THE MANUFACTURER AND ALL OSHA REQUIREM
 - f. TESTING - THE OPERATOR, TOOL, AND FASTENER SHALL BE PREQUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. A TEST "PULL-OUT" LOAD OF NOT LESS THAN TWICE THE DESIGN LOAD (2X 100 POUNDS) SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN 10 PINS. IF ANY PIN FAILS TESTING, TEST ALL PINS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE PASS, THEN RESUME THE INITIAL TESTING FREQUENCY
- WHEN POST-INSTALLED ANCHORS ARE USED FOR NON-STRUCTURAL COMPONENTS, 50% OR ALTERNATE BOLTS IN A GROUP, SHALL BE TESTED. THE TESTING OF THE POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY.
- ACCEPTANCE CRITERIA FOR POST-INSTALLED ANCHORS SHALL BE BASED ON AN APPROVED EVALUATION REPORT. FIELD TESTS SHALL SATISFY THE MINIMUM REQUIREMENTS OF HYDRAULIC RAM OR TORQUE WRENCH METHODS PER CBC 1910A.5.5.

EXPANSION ANCHORS INTO 3000 PSI HARDROCK OR LIGHTWEIGHT CONCRETE				
ANCHOR DIA (in)	PENETRATION (IN)	TEST LOAD		
		PULL OUT (LB)	TORQUE (FT-LB)	
1/4	2 1/2	400	-	
3/8	3	1000	25	
1/2	4	1900	40	
5/8	4 1/2	3000	60	
3/4	5	4500	110	

EXPANSION ANCHORS INTO CMU MASONRY (2000 PSI)				
ANCHOR DIA (in)	PENETRATION (IN)	TEST LOAD		
		PULL OUT (LB)	TORQUE (FT-LB)	
1/4	2	860	4	
3/8	2 1/2	1250	15	
1/2	3 1/2	1450	25	
5/8	4	2070	65	
3/4	4 3/8	2740	120	

THREADED ROD EPOXY ANCHORS INTO 3000 PSI CONCRETE				
ANCHOR DIA (in)	PENETRATION (IN)	TEST LOAD		
		PULL OUT (LB)	TORQUE (FT-LB)	
1/4	2	400	-	
3/8	3	1000	-	
1/2	4	1900	-	
5/8	4 1/2	3000	-	
3/4	5	4500	-	
7/8	6	5100	-	
1	7	6100	-	
1 1/8	8	6800	-	
1 1/4	9	8000	-	

GENERAL NOTES

INTENT OF DRAWINGS

- THE STRUCTURAL DRAWINGS SHOW THE BASIC STRUCTURAL FRAME ONLY. REFER TO ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS FOR ITEMS NOT SHOWN SUCH AS NON-STRUCTURAL WALLS, CURBS, CEILINGS, FINISHES, SLAB DEPRESSIONS, WALL CHASES ETC, AS WELL AS DIMENSIONS AND ELEVATIONS NOT NOTED. WHERE SUCH ITEMS APPEAR ON THE STRUCTURAL DRAWINGS THE INTENT IS ONLY TO ALERT THE CONTRACTOR TO COORDINATE WITH OTHER DOCUMENTS.
- THESE DRAWINGS ILLUSTRATE THE DESIGN INTENT AS REQUIRED FOR THE BUILDING PERMIT AND ARE NOT IN THEMSELVES CONSTRUCTION DRAWINGS. SECTIONS AND DETAILS ARE PROVIDED FOR KEY AREAS OF THE WORK. WHERE NO SPECIFIC DETAIL IS INDICATED THE CONTRACTOR SHALL PROVIDE MATERIALS, DETAILS, CONNECTIONS, ETC. IN A MANNER CONSISTENT WITH THE DETAILED PORTIONS OF THE WORK.
- REFER TO ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS FOR LOCATION AND DIMENSIONS OF ALL OPENINGS AND PENETRATION FOR MECHANICAL, ELECTRICAL, PLUMBING AND OTHER TRADES THROUGH WALLS, FLOORS, AND ROOFS. FRAME OR REINFORCE OPENINGS PER THE TYPICAL DETAILS.
- RESOLVE ANY CONFLICTS ON THE CONTRACT DOCUMENTS WITH THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- TYPICAL DETAILS AND GENERAL NOTES ON SHEETS S1.1 TO S1.3 APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE DETAILED OR NOTED OTHERWISE. EACH TYPICAL DETAIL HAS A UNIQUE NAME (F1, R1, SG1, ETC) AND ARE REFERENCED BY THEIR NAME ONLY WITHOUT REFERENCING DRAWING SHEET NUMBER.
- VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB.

CODE

- ALL WORK SHALL COMPLY WITH THE 2019 CALIFORNIA BUILDING CODE (CBC) WHICH CONSISTS OF THE 2018 INTERNATIONAL BUILDING CODE AND THE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24 PART 2 AMMENDMENTS.

VERTICAL DEAD LOADS

- THE STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE FOLLOWING DEAD LOADS, IN ADDITION TO THE SELFWEIGHT OF THE STRUCTURAL MEMBERS.

CANOPY ROOF	
STANDING SEAM ROOF.....	1.6 PSF
MISC	2.8 PSF
MTL DECK	5.6 PSF
DL TOTAL =	10.0 PSF

VERTICAL LIVE LOADS

CANOPY ROOF.....	20 PSF (REDUCIBLE)
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HORIZONTAL LOADS

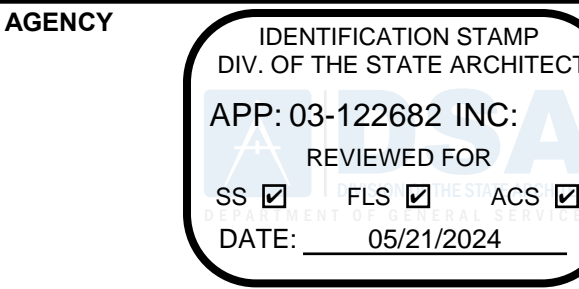
- WIND SPEED (1609A.3): Vult = 100 MPH EXPOSURE : C
RISK CATEGORY (TABLE 1604A.5): II
INTERNAL PRESSURE COEFFICIENT (ASCE TABLE 26.13-1) GCpi = +0.18/-0.18
- SEISMIC-SITE:
 - SITE CLASS: D
 - SPECTRAL ACCELERATIONS S_s = 2.11
 - S₁ = 0.701
 - F_a = 1.0
 - F_v = 1.5
 - S_{DS} = 1.407
 - S_{D1} = 0.701
- SEISMIC-BUILDING:
 - SEISMIC DESIGN CATEGORY: D
 - RESPONSE MODIFICATION FACTOR Cs = 0.281
 - BASE SHEAR V = 61.9 Kips
 - RESPONSE MODIFICATION FACTOR R = 5.0 Q = 2.5 Cd = 3.5
 - IMPORTANCE FACTOR I = 1.0

STRUCTURAL STEEL

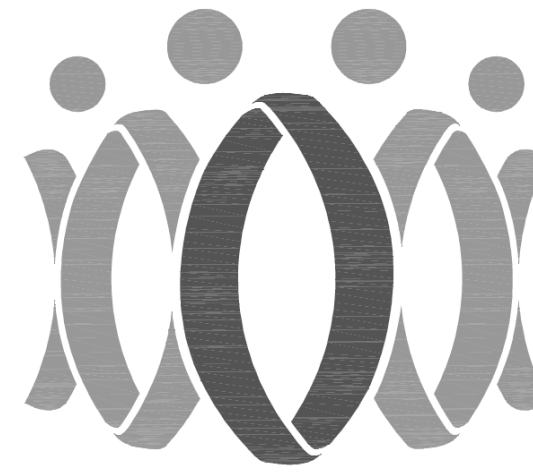
- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS AND CHAPTER 22A OF THE CBC.
- FABRICATOR SHALL BE LICENSED BY THE LOCAL BUILDING DEPARTMENT FOR THE WORK INDICATED.
- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 EXCEPT AS FOLLOWS:
 - PIPE COLUMNS ASTM A53 GRADE B (Fy=35ksi)
 - HOLLOW STRUCTURAL SECTIONS (HSS):
 - SQUARE AND RECTANGULAR ASTM A500 (Fy=50 ksi)
 - ROUND ASTM A500 (Fy=46 ksi)
 - PLATES AND BARS ASTM A572 GRADE 50 (Fy=50 ksi)
- FABRICATOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- FABRICATE BEAM ELEMENTS WITH NATURAL GAMBER UP.
- ALL BOLTS SHALL BE ASTM F3125 GROUP A (A325-N) HIGH STRENGTH (H.S.) BOLTS INSTALLED AND TESTED IN ACCORDANCE WITH CBC 2213A.1. ANCHOR RODS AND BOLTS INTO CONCRETE OR MASONRY SHALL CONFORM TO ASTM F1554. MACHINE BOLTS (M.B.) WHERE SPECIFIED, SHALL CONFORM TO ASTM A307. BOLTS HOLES SHALL BE NO MORE THAN 1/16 INCH GREATER THAN THE BOLT DIAMETER, EXCEPT BASE PLATE ANCHOR BOLT HOLES MAY BE DRILLED TO A DIAMETER NOT TO EXCEED THOSE LISTED IN AISC SPECIFICATIONS TABLE J3.3 FOR "OVERSIZED" HOLES. WHERE HOLE SIZE IS EXCEEDED PROVIDE A 1/4" THICK WELD WASHER WITH 1/4" FILLET WELD ALL AROUND.
- WELDING SHALL CONFORM TO THE LATEST EDITION OF AWS D1.1 SPECIFICATIONS AND CBC CHAPTER 22A. WELDING ELECTRODES SHALL BE E-70XX. WELDERS SHALL BE CERTIFIED.
- WELD SIZES INDICATED ARE MINIMUM REQUIRED FOR STRESS, CHECK WITH AISC SPECIFICATIONS TABLE J2.4 FOR OTHER REQUIREMENTS.
- ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123.
- ALL BASE PLATES BEARING ON CONCRETE OR MASONRY SHALL BEAR ON MINIMUM 1.5 INCHES OF NON-METALLIC NON-SHRINK GROUT CONFORMING TO ASTM C1107 WITH A MINIMUM COMPRESSIVE STRENGTH OF 6,000 PSI. THE GROUT SHALL BE POURED TO AT LEAST 1/16 INCH ABOVE THE BOTTOM OF BASE PLATE SURFACE.
- ALL STRUCTURAL STEEL BELOW GRADE OR OTHERWISE ADJACENT TO EARTH OR GRAVEL SHALL HAVE A MINIMUM OF 4" CONCRETE COVER REINFORCED WITH MINIMUM #3 BARS AT 12" OC

STEEL DECK

- STEEL DECKING SHALL BE BY EPIC METALS CORPORATION PER ICC REPORT IAPMO UES ER-226.
- DECKING AND CLOSURE PLATES SHALL BE GALVANIZED STEEL SHEET OF ASTM A653 SS GRADE 50. GALVANIZATION SHALL COMPLY WITH ASTM A924.
- REFER TO PLANS FOR DECK TYPE, GAGE AND WELDING.
- DECKING SHALL BE CONTINUOUS FOR 2 SPANS MINIMUM WHEREVER POSSIBLE UNLESS NOTED OTHERWISE ON PLANS.
- DECK CONTRACTOR SHALL PROVIDE AND WELD INTO POSITION CLOSURE PLATES AT DECK EDGES AS WELL AS NECESSARY FLASHING AROUND COLUMNS AND AT OPENINGS RESULTING FROM CHANGE OF DECK SPAN DIRECTION. REINFORCE ALL CANTILEVER DECK EDGES AS REQUIRED TO SUPPORT CONSTRUCTION LOADS.
- WELD DECK TO SUPPORTING STEEL WITH 3/4" DIAMETER (1/2" EFFECTIVE DIA.) PUDDLE WELDS SPACED AS INDICATED ON PLANS.
- WHERE DECK DOES NOT BEAR SQUARELY ON SUPPORTING MEMBER, PROVIDE SHIM PLATE OR WELD WASHER AS REQUIRED TO PLACE THE WELD OR FASTENER.
- WHEN DECK SHEETS RUN PARALLEL TO A BUILDING PERIMETER THE FIRST SHEET ALONG THAT PERIMETER SHALL BE A FULL-WIDTH SHEET.



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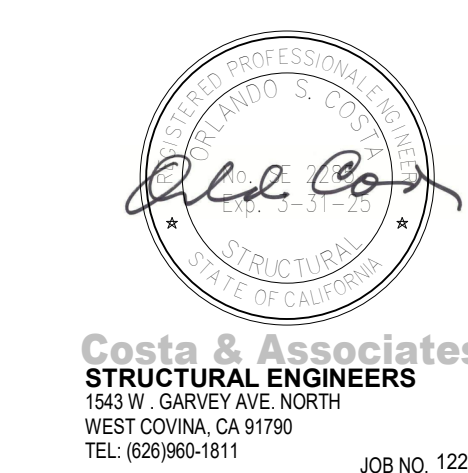
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ARCHITECT



CONSULTANT



Drawn by OCP

Checked by OC

Revisions

No.	Date	Description
1		

All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewelling & Moody.

BURBANK UNIFIED
SCHOOL DISTRICT

BURBANK HIGH SCHOOL
AQUATIC CENTER
MODERNIZATION

902 NORTH 3RD STREET
BURBANK, CA 91502

Sheet Title:

GENERAL NOTES

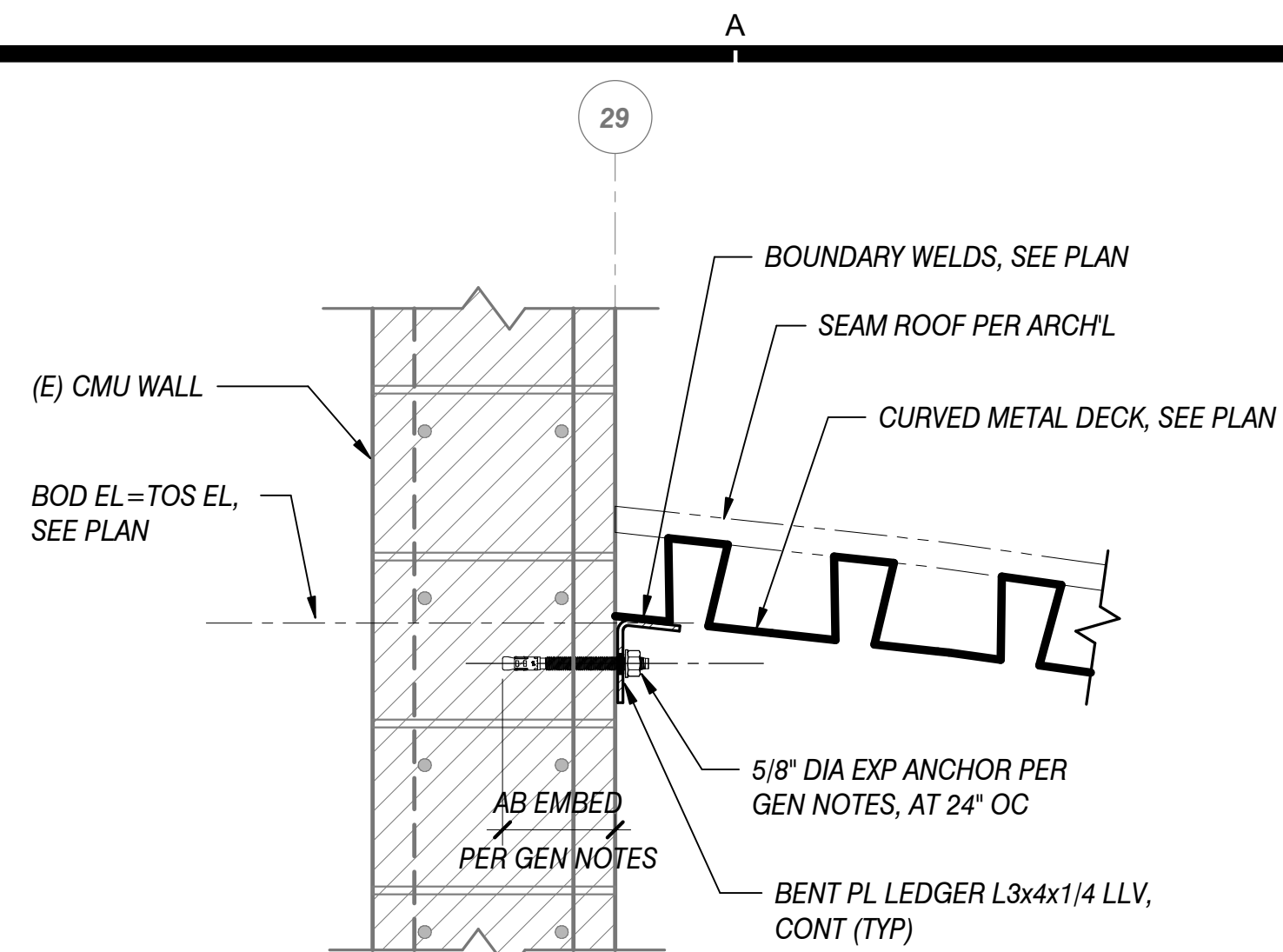
Job No.

2986.0000

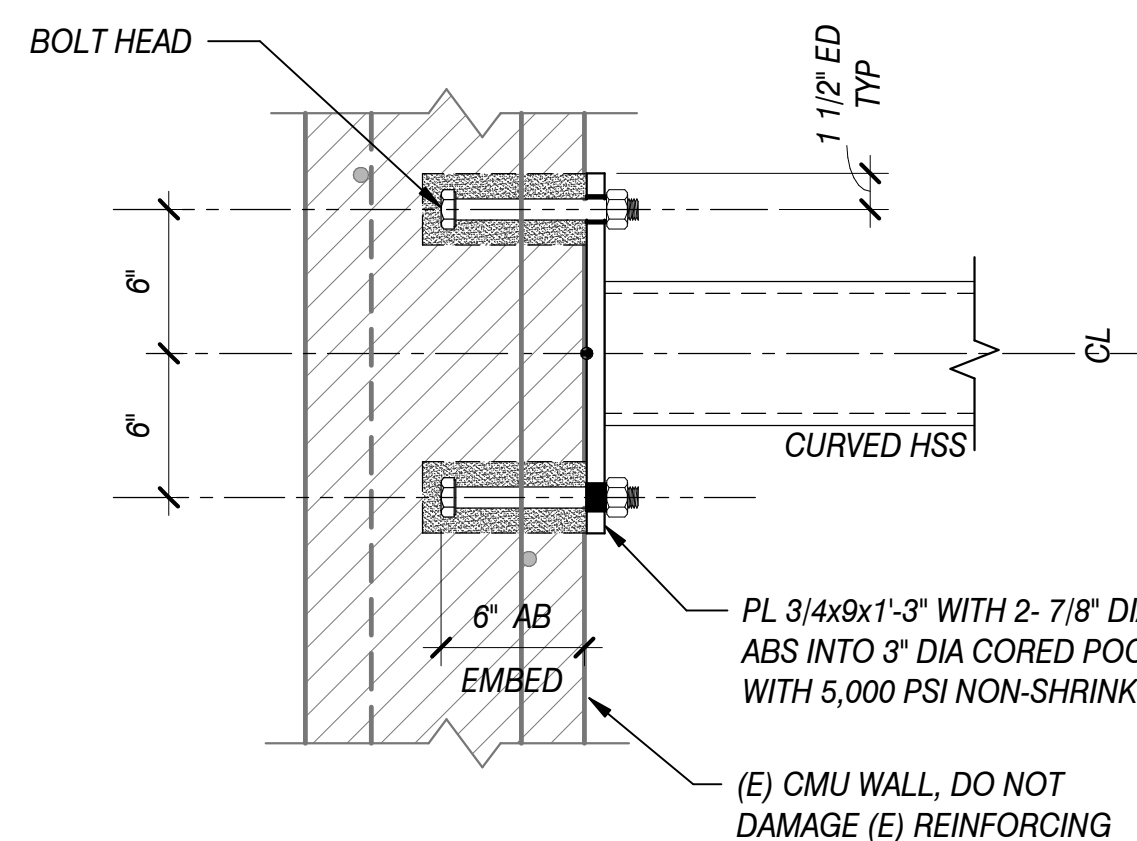
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11-18-2022

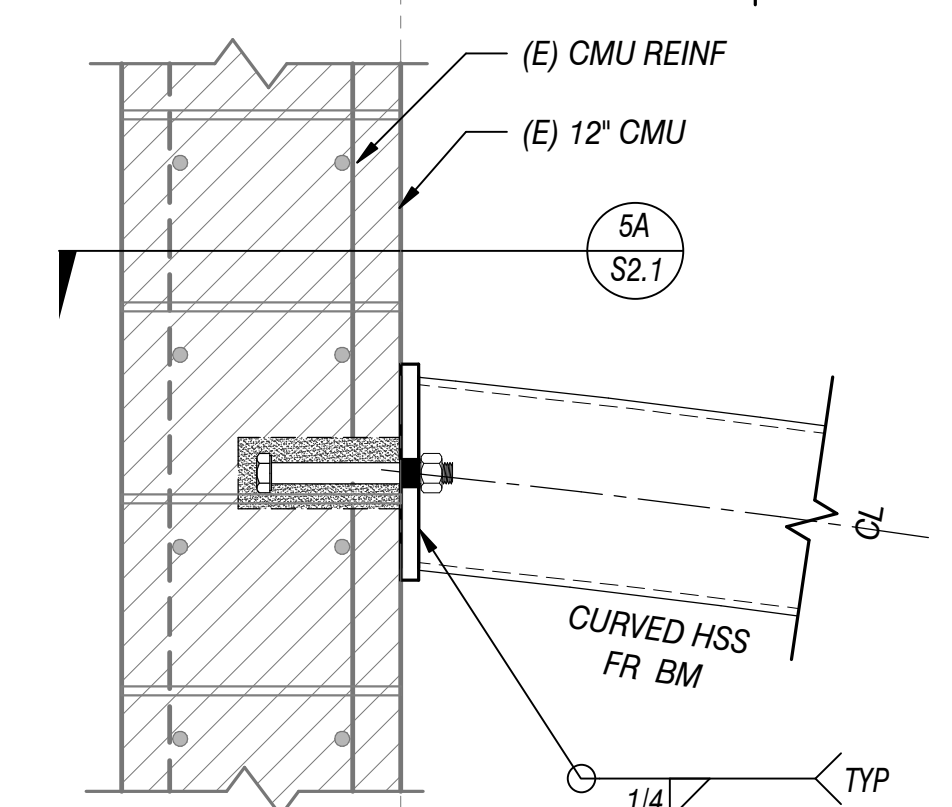
S1.1



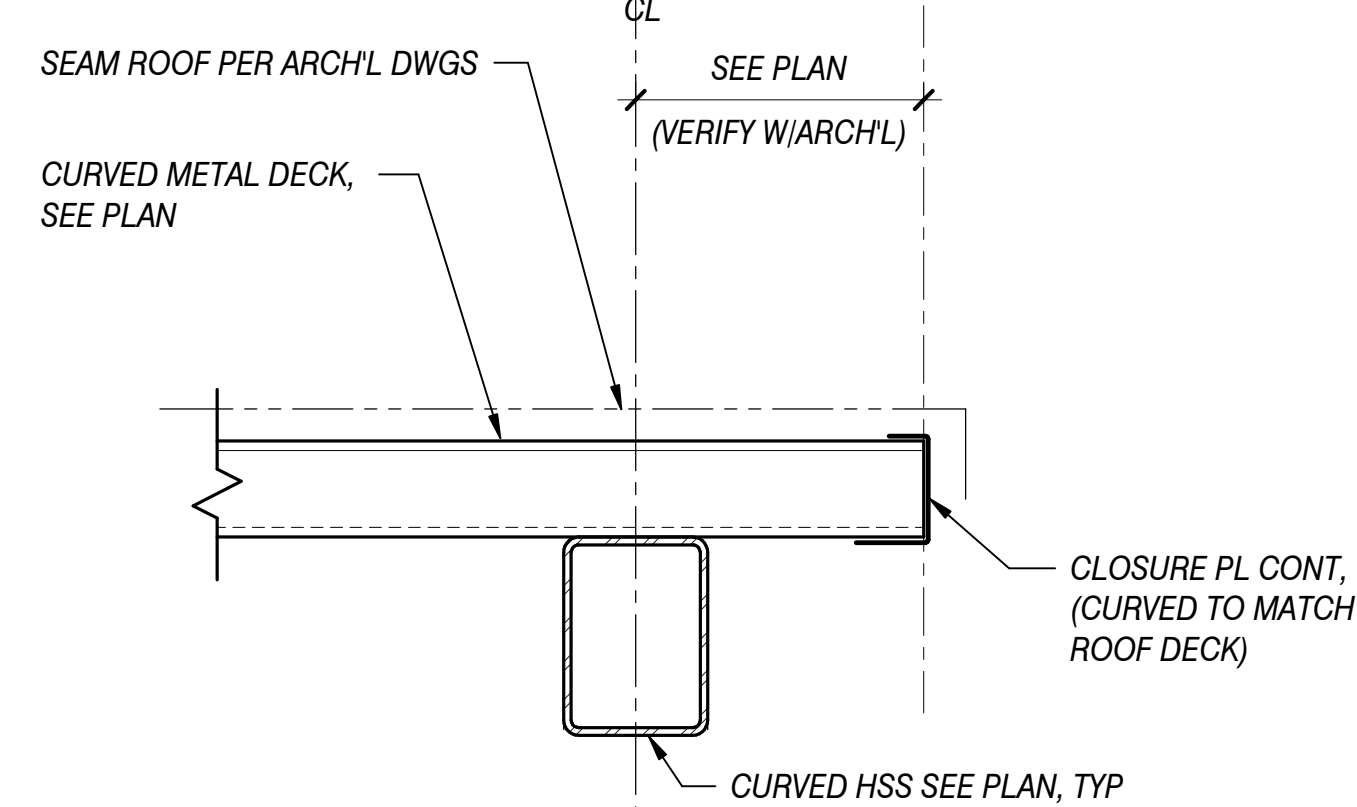
4 CANOPY AT (E) CMU
1 1/2" = 1'-0"



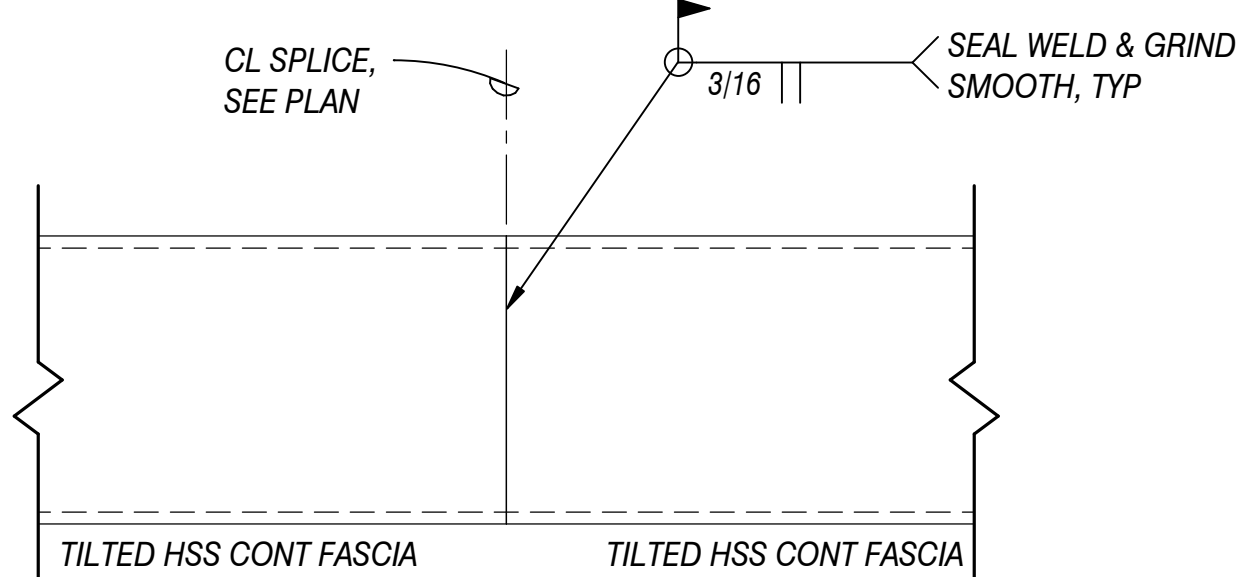
5A S2.1 1 1/2" = 1'-0"



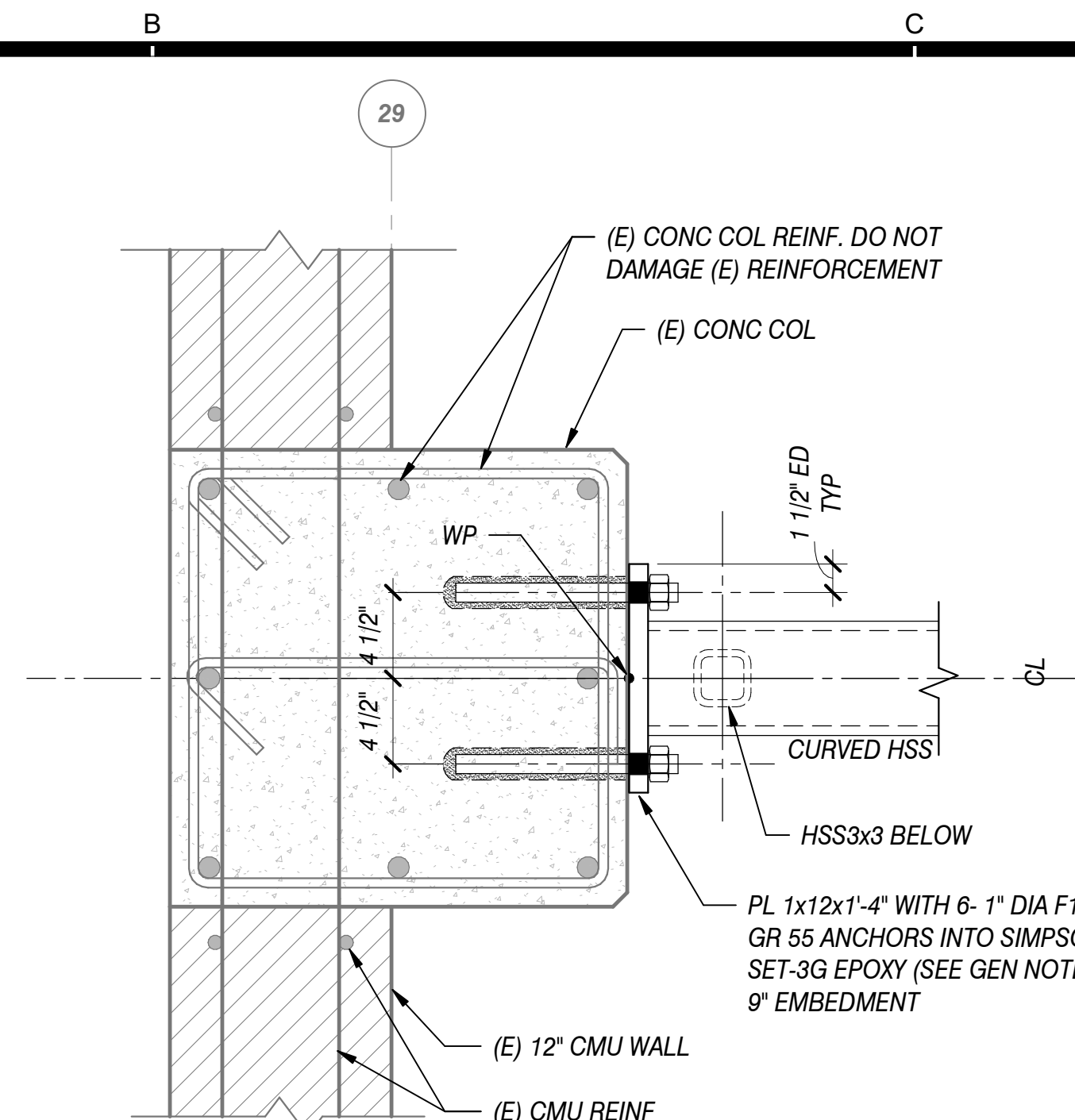
5 S2.1 1 1/2" = 1'-0"



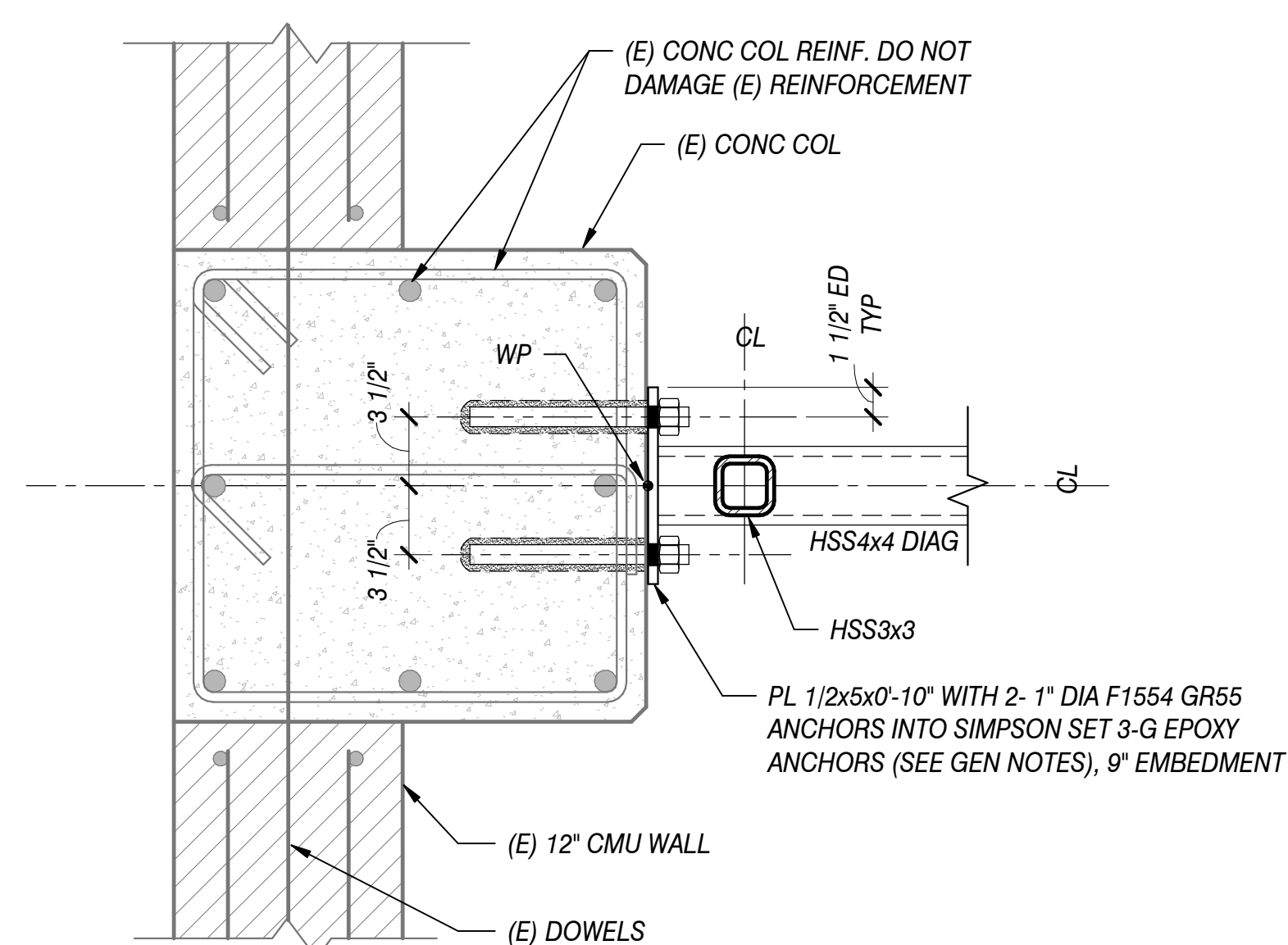
6 S2.1 1 1/2" = 1'-0"



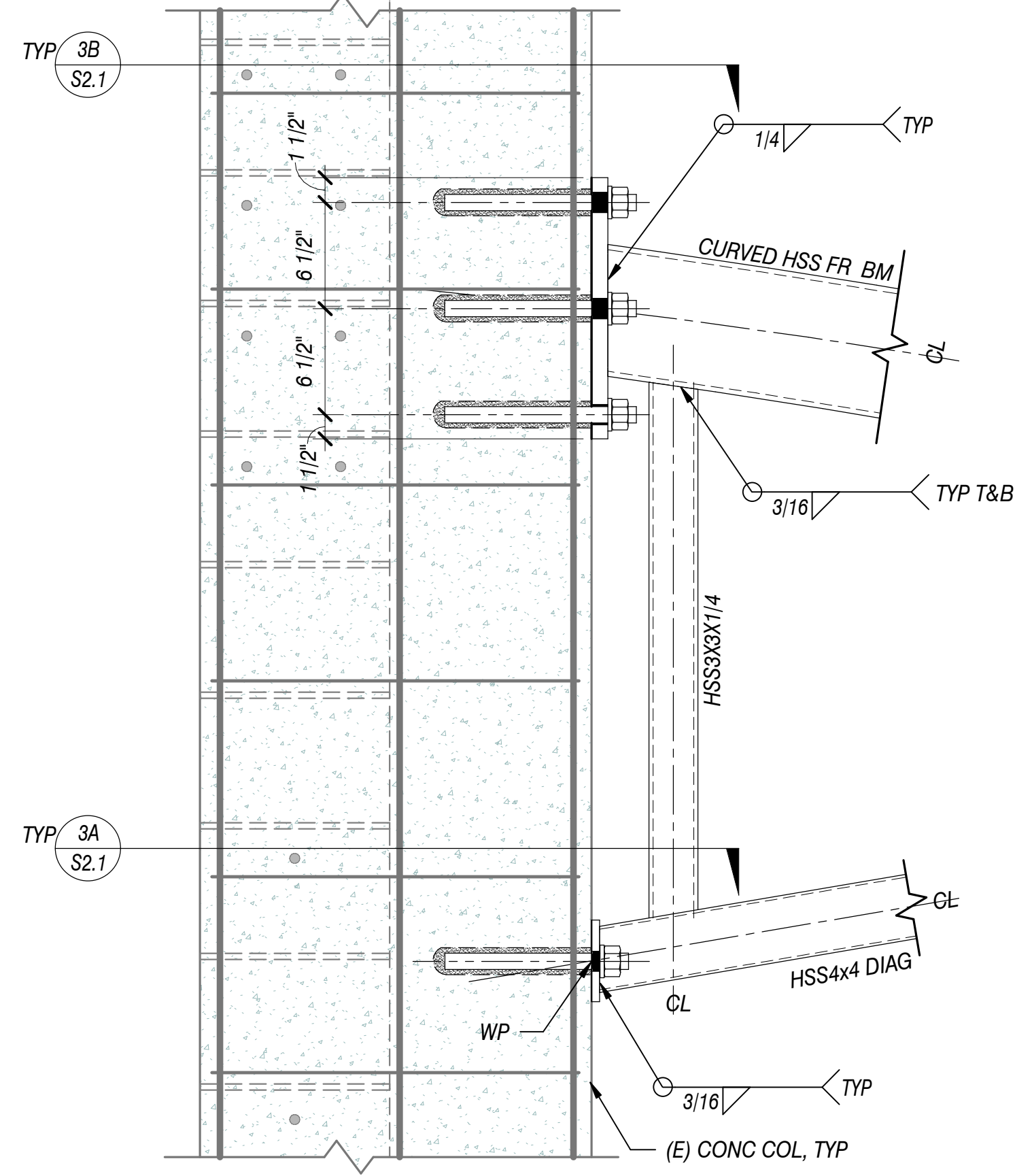
7 S2.1 1 1/2" = 1'-0"



3B S2.1 1 1/2" = 1'-0"

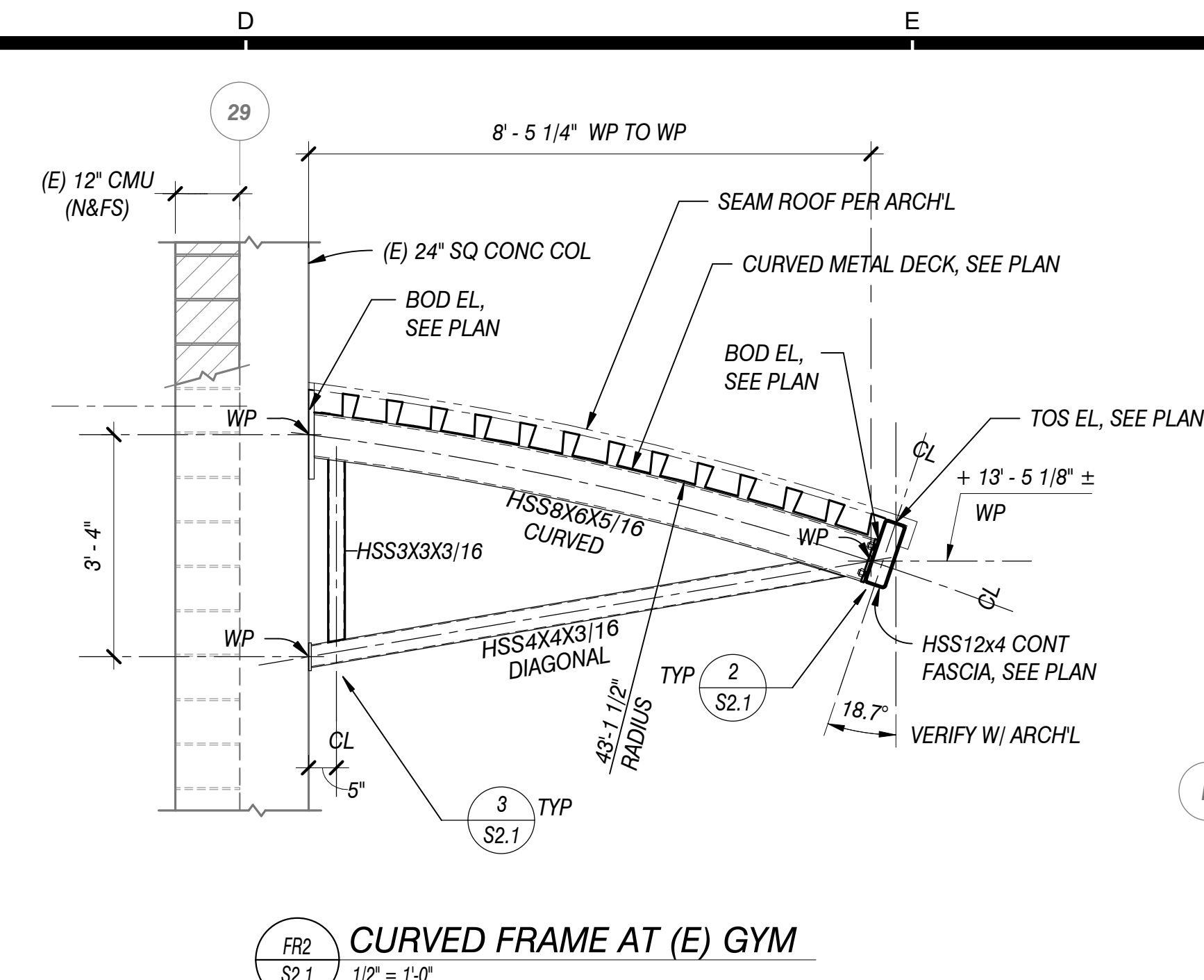


3A S2.1 1 1/2" = 1'-0"

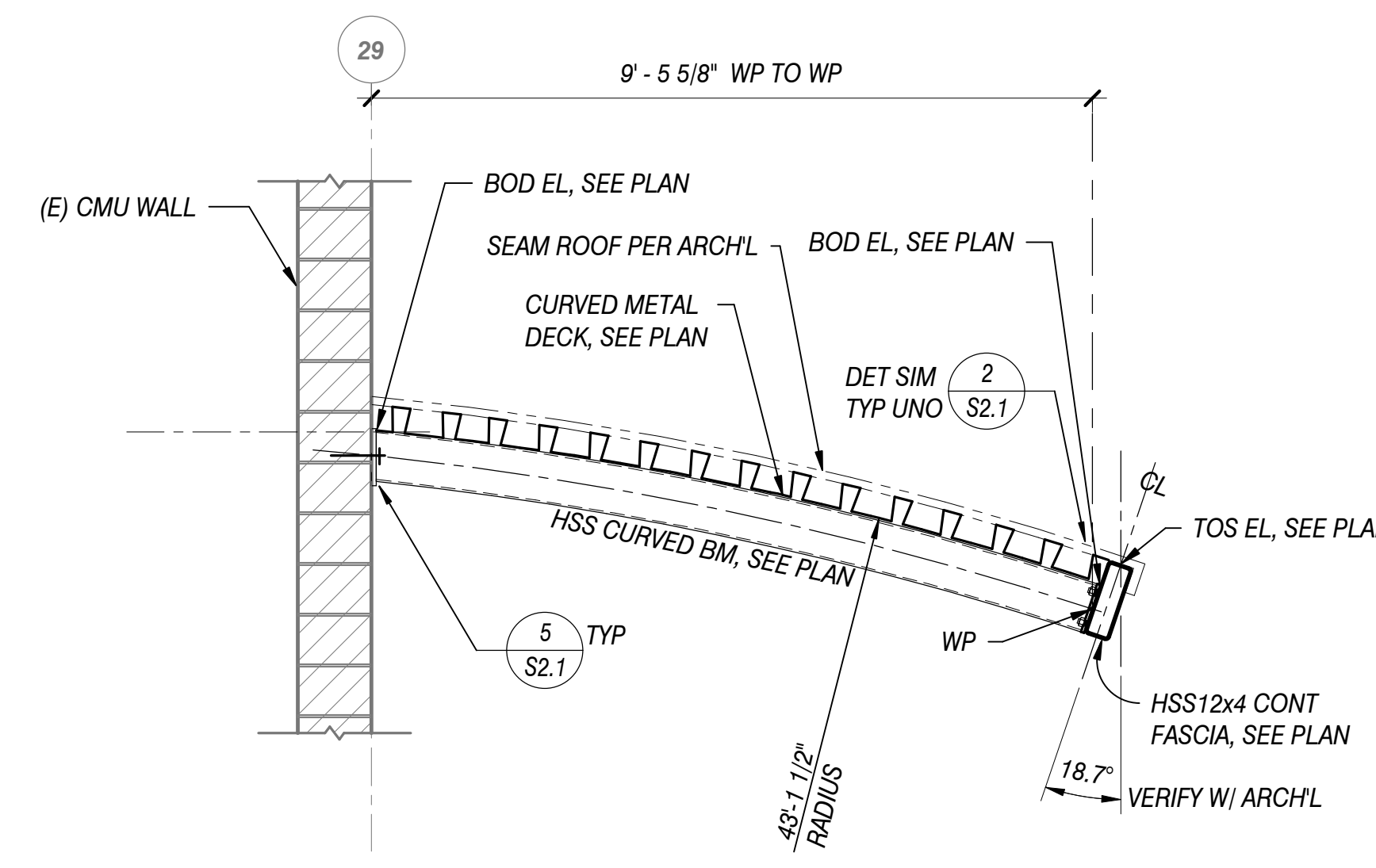


3 S2.1 1 1/2" = 1'-0"

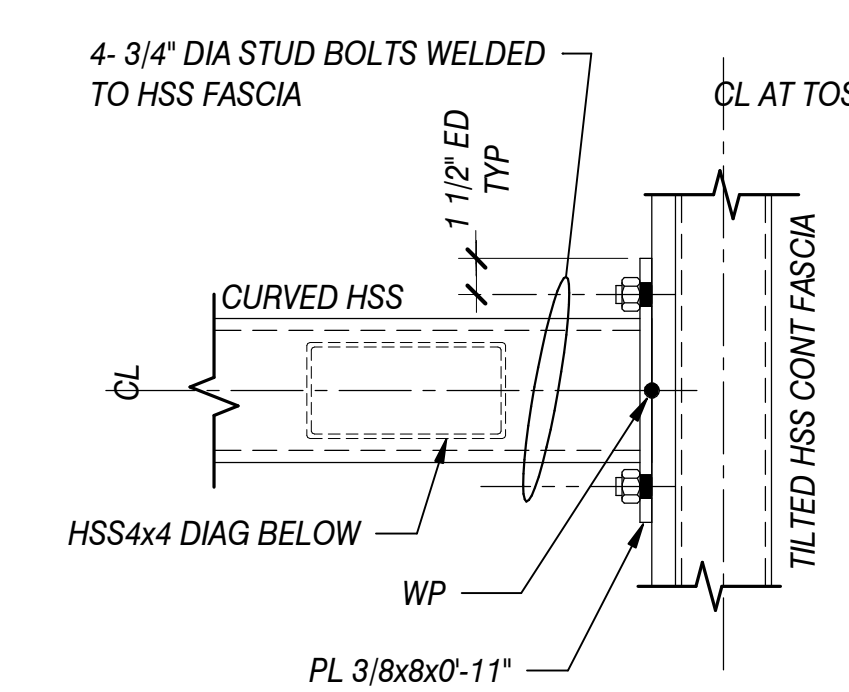
NOTE: LOCATE AND MARK ALL REINFORCING BARS PRIOR TO DRILLING FOR (N) ANCHORS)



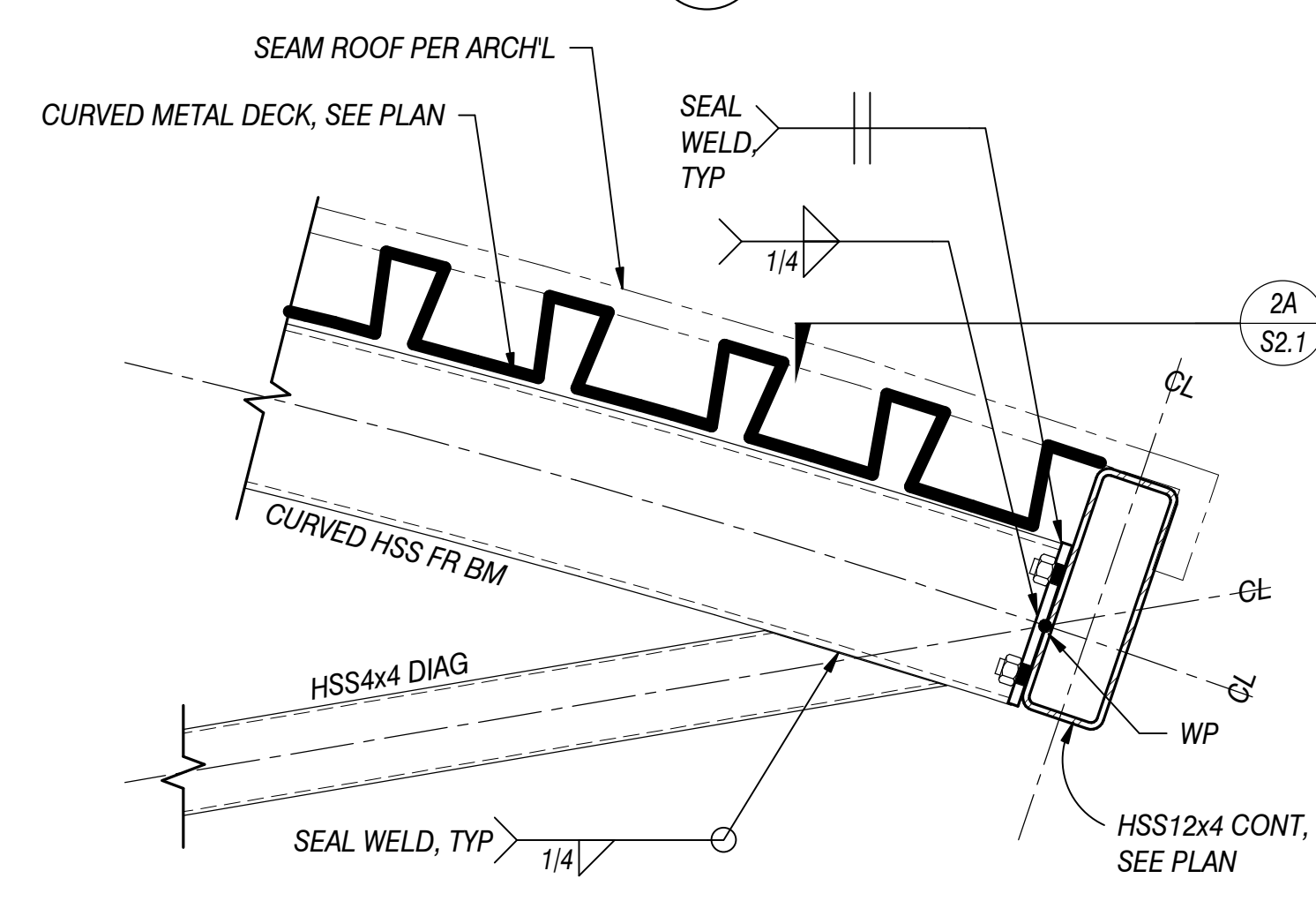
FR2 S2.1 1 1/2" = 1'-0"



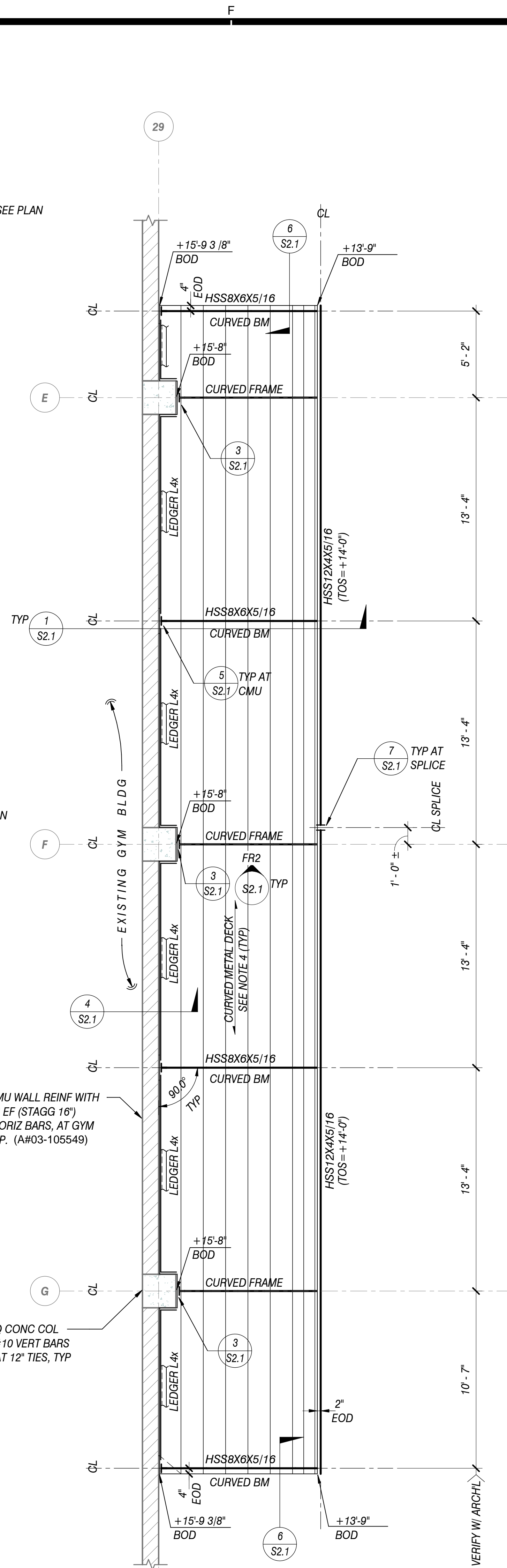
1 S2.1 1 1/2" = 1'-0"



2A S2.1 1 1/2" = 1'-0"

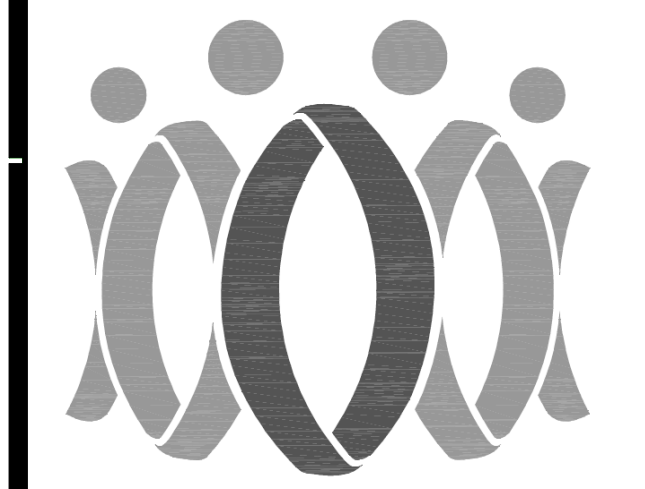
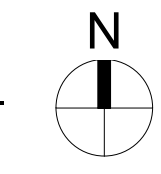


2 S2.1 1 1/2" = 1'-0"



CANOPY FRAMING PLAN OVER (E) POOL BLEACHERS
AT (E) GYM BLDG
1/4" = 1'-0"

- NOTES:
1. REFER TO SHEET S1.1 FOR GENERAL NOTES AND TYPICAL DETAILS.
 2. FOR ALL GRID AND CANOPY DIMENSIONS AND ELEVATIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
 3. CANOPY BOD (BOTTOM OF DECK) ELEVATION VARIES AS NOTED ON PLAN FROM REFERENCE FINISH GROUND FLOOR. VERIFY W/ ARCHL DWGS.
 4. DECK CONSISTS OF 4\"/>



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JOB NO. 122017

Drawn by OCP
Checked by OC

Revisions
No. Date Description

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BURBANK UNIFIED SCHOOL DISTRICT
BURBANK HIGH SCHOOL AQUATIC CENTER MODERNIZATION
902 NORTH 3RD STREET
BURBANK, CA 91502
Sheet Title:

CANOPY FRAMING PLAN & DETAILS

Job No.
2986.0000
Date:
11-18-2022
S2.1

SPECIFICATIONS		ABBREVIATIONS		SYMBOLS				
PART 1 : GENERAL REQUIREMENTS	PART 2 : PRODUCTS AND INSTALLATION			FLOOR	WALL	CEILING	DESCRIPTION	
1. THE CONTRACTOR FOR THIS WORK IS REQUIRED TO READ THE ENTIRE SPECIFICATION AND REVIEW DRAWINGS FOR ALL OTHER TRADES.	1. CONDUITS:	4. DISTRUBUTION	A AMPERE AFF ABOVE FINISHED FLOOR CB CIRCUIT BREAKER CKT CIRCUIT CL CURRENT LIMITING CO CONDUIT ONLY DD DUCT DETECTOR DE DUAL ELEMENT E EXISTING EA EACH EC ELECTRICAL CONTRACTOR EGC EQUIPMENT GROUNDING CONDUCTOR EQ EQUAL EQPT EQUIPMENT EWH ELECTRIC WATER HEATER F FUSE FA FIRE ALARM GFCI GROUND FAULT CIRCUIT INTERRUPTER G, GND GROUND HP HORSEPOWER IC INTERRUPTING CAPACITY (RMS SYM.) IG ISOLATED GROUND LCP LIGHTING CONTROL PANEL LL LANDLORD LT LIGHT MFR MANUFACTURER	MAX MIN MINIMUM NA NOT APPLICABLE NTS NOT TO SCALE NIC NOT IN CONTRACT NL NIGHT LIGHT P POLE PIL PROPERTY LINE REQD REQUIRED REQMNT REQUIREMENT RGC RIGID GALVANIZED CONDUIT SCA SHORT CIRCUIT AMPERE SIM SIMILAR SLD SINGLE LINE DIAGRAM SW SWITCH SWBRD SWITCHBOARD T/F TRANSFORMER TBB TELEPHONE BACKBOARD TYP TYPICAL U/G UNDERGROUND UL UNDERWRITER'S LABORATORIES UON UNLESS OTHERWISE NOTED V VOLT VA VOLT AMPERE VL VERIFY LOCATION W WATT WP WEATHERPROOF				
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO DETERMINE CONDITIONS AFFECTING THE WORK. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF WORK.	B. ELECTRIC METALLIC TUBING: PROVIDE TUBING OF HIGH GRADE STEEL WITH EXTERIOR PROTECTIVE COATING OF ZINC.	A. PROVIDE BRANCH CIRCUIT BREAKERS AS SPECIFIED ON PLANS. CIRCUIT BREAKERS FOR HVAC EQUIPMENT SHALL BE HACR RATED CIRCUIT BREAKERS.					LIGHT FIXTURE AS SPECIFIED, SUBSCRIPTS WHEN INDICATED DENOTE BRCH CKT/SW LG	
3. PROVIDE ALL MATERIAL AND EQUIPMENT TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT AND APPLIANCES.	C. RIGID ALUMINUM CONDUIT: PROVIDE LIGHT WEIGHT CONDUIT WITH THREADED CONNECTORS AND FITTINGS.	B. PROVIDE NEATLY TYPED CIRCUIT INDEX CARDS, CLEARLY AND CORRECTLY IDENTIFYING ALL CIRCUITS, MOUNTED IN THE CARD HOLDERS. ALL PANEL DIRECTORY CARDS SHALL BE UPDATED AS PER AS BUILT CONDITIONS.					LIGHT FIXTURE AS SPECIFIED	
4. THE CONTRACTOR SHALL PROVIDE ALL LABORS, MATERIALS, EQUIPMENT, SERVICES, TOOL S, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS.	D. FLEXIBLE STEEL CONDUIT: PROVIDE LIGHT WEIGHT STEEL GALVANIZED CONDUIT.	C. CONTROL DEVICES SHALL NOT BE MOUNTED MORE THAN 6'-6" ABOVE THE FLOOR.					LIGHT ON EMERGENCY POWER AS SPECIFIED	
5. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, AND UNDERWRITER'S LABORATORIES LISTED (UL) PRODUCTS OF A SIMILAR NATURE SHALL BE OF THE SAME TYPE AND MANUFACTURER.	E. FLEXIBLE ALUMINUM CONDUIT: PROVIDE LIGHT WEIGHT FLEXIBLE ALUMINUM CONDUIT.	D. PANELBOARDS, EQUIPMENT AND CONTROL PANELS THAT ARE LIKELY TO REQUIRE ADJUSTMENT, EXAMINATION, AND SERVICING WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FAULT HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE VISIBLE TO THE QUALIFIED PERSONS BEFORE WORKING ON THE EQUIPMENT.						
6. ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATION, SERVICE, MAINTENANCE AND REPAIR.	F. FLEXIBLE CONDUIT CONNECTORS AND FITTINGS: PROVIDE DIE-CAST FITTINGS OF THE TYPE THAT SCREWS INSIDE OF THE CONDUIT.	E. LIGHTING BRANCH CIRCUIT BREAKERS SERVING AREAS WITH NO LOCAL SWITCHING SHALL BE PROVIDED WITH UL LISTED (SWD) RATED CIRCUIT BREAKERS SUITABLE FOR LIGHTING SWITCHING CIRCUITS.						
7. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.	G. FLEXIBLE LIQUIDTIGHT STEEL CONDUIT AND FITTINGS: SHALL BE LIGHT WEIGHT STEEL GALVANIZED WITH AN EXTRUDED POLYVINYL CHLORIDE COVER.	F. PROVIDE SAFETY DISCONNECT SWITCHES WITH RATING AS SHOWN ON THE DRAWINGS. SWITCHES SHALL BE HEAVY DUTY TYPE AND FUSIBLE WITH RFI FUSE (UON). SWITCHES SHALL BE QUICK MAKE-QUICK BREAK TYPE.						
8. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY LIGHT AND POWER FOR CONSTRUCTION.	H. PLASTIC CONDUIT AND FITTINGS: PROVIDE HEAVY WALL SCHEDULE 40.	5. MISCELLANEOUS :						
9. ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER	I. SLEEVES: SHALL BE COATED GALVANIZED STEEL PIPE.	A. PROVIDE GROUNDING SYSTEM PER NEC-250 AND AS INDICATED ON PLANS.						
10. ALL WORK SHALL CONFORM TO NEC 2017 EDITION, CEC 2019, THE STATES, COUNTYS, CITIES AND LOCAL CODES AND ORDINANCES; SAFETY AND HEALTH CODES; NFPA CODES; ENERGY CODES 2019; AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS.	J. SEALANT: FIRE RATED EQUAL TO WALL OR CEILING PENETRATED.	B. ALL METAL AND NON-CURRENT CARRYING PART OF THE ELECTRICAL EQUIPMENT SHALL BE BONDED TO GROUND PER NEC CODES ARTICLE 250.						
11. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED AND RELATED TO THE WORK.	K. USE RIGID STEEL CONDUIT WHERE DIRECTLY EXPOSED TO WEATHER AND SUBJECT TO ABNORMAL CONDITIONS.	C. THE FOLLOWING MINIMUM MOUNTING AND INSTALLATION GUIDELINES SHALL BE MET, UNLESS SPECIFIED OTHERWISE: I. THE CONTRACTOR SHALL PROVIDE EQUIPMENT ANCHORAGE DETAILS, COORDINATED WITH EQUIPMENT MOUNTING PROVISION, PREPARED AND STAMPED BY A LICENSED CIVIL ENGINEER IN THE STATE OF CALIFORNIA. RECOMMENDATIONS SHALL BE PROVIDED BY THE MANUFACTURER BASED UPON THE ABOVE CRITERIA TO VERIFY THE SEISMIC DESIGN OF THE EQUIPMENT. D. THE EQUIPMENT MANUFACTURER SHALL DOCUMENT THE REQUIREMENTS NECESSARY FOR PROPER SEISMIC MOUNTING OF THE EQUIPMENT.						
12. CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP, EQUIPMENT AND MATERIALS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT AS A WHOLE BY THE OWNER. SHOULD ANY DEFECTS OCCUR DURING THIS PERIOD, THE CONTRACTOR SHALL PROMPTLY REPAIR OR REPLACE DEFECTIVE ITEMS AT NO ADDITIONAL COST TO THE OWNER. REFER TO ARCHITECTURAL GENERAL SPECIFICATIONS FOR FURTHER REQUIREMENTS.	L. USE "EMT" AND ALUMINUM CONDUITS FOR ALL SIZES UP TO 2 INCHES IN DRY LOCATION.							
13. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. SIZES, LOCATION OF EQUIPMENT, AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY. FINAL LOCATIONS OF OUTLETS AND EQUIPMENT SHALL BE ADJUSTED AS DICTATED BY EXISTING CONDITIONS. IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL NECESSARY BENDS, OFFSETS, JUNCTION BOXES AND PULLBOXES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE. CONDUIT RUNS ARE INDICATED DIAGRAMMATICALLY. DETERMINE EXACT LOCATION IN FIELD. IMPORTANT: DO NOT ALTER THE INTENT OF THE DESIGN.	M. FLEXIBLE STEEL CONDUIT: USE FOR SHORT MOTOR CONNECTIONS AND CONNECTIONS TO RECESS MOUNTED FIXTURES AND FOR GENERAL LIGHTING, POWER AND COMMUNICATIONS WIRING. FLEXIBLE CONDUIT SHALL NOT BE USED FOR CONDUIT FEEDER, STUB-UP, AND STUB-OUTS.	MEP COMPONENT ANCHORAGE 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 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30: 1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. 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 110/220V RECEPTACLES HAVING A FLEXIBLE CABLE. 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEED OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.						
14. NOTHING DESCRIBED HEREIN OR INDICATED ON THE DRAWINGS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF THE APPLICABLE CODES AND REGULATIONS.	N. ALUMINUM FLEXIBLE CONDUIT: MAY BE USED IN DRY WALLS FOR GENERAL LIGHTING AND POWER BRANCH CIRCUITS ONLY.							
15. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND/OR SITE SUPERVISOR FOR CLARIFICATION OR CORRECTION PRIOR INSTALLATION. "NO EXCEPTIONS".	O. USE INSULATED BUSHINGS AND LOCKNUTS ON ALL CONDUITS WHERE ENTERING PULL AND JUNCTION BOXES, OUTLET BOXES AND CABINETS.							
16. THE WORD "VERIFY LOCATION" ABBREVIATED AS "V.L" SHALL MEAN TO COORDINATE THE EXACT LOCATION OF THE DEVICE AND/OR EQUIPMENT BEING REFERRED TO WITH THE OWNER'S REPRESENTATIVE AND TO PROVIDE NECESSARY ADJUSTMENTS.	P. TAG ALL EMPTY CONDUITS AT EACH ACCESSIBLE END WITH A PERMANENT TAG IDENTIFYING THE PURPOSE OF THE CONDUIT AND THE LOCATION OF THE OTHER END.							
17. THE WORD "WIRING" MEANS CONDUITS, FITTINGS, WIRES, CABLES, WIRING DEVICES, OUTLET BOXES, ALL CONSTRUCTION MATERIAL, AND LABOR AS NEEDED INCLUDING ALL CONNECTIONS AS REQUIRED AND APPLICABLE.	Q. IN SUSPENDED CEILING DO NOT SECURE CONDUIT TO THE CEILING SUPPORT WIRES.							
18. ARCHITECTURAL SPECIFICATIONS, GENERAL, SPECIAL AND SUPPLEMENTAL CONDITIONS SHALL FORM A PART OF THIS CONSTRUCTION DOCUMENT.	R. GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS. EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED ON PLAN AND AS APPROVED BY THE OWNER'S CONSTRUCTION MANAGER. PAINTING OF CONDUITS WILL BE BY GENERAL CONTRACTOR.							
19. SUBMIT SHOP DRAWING OF THE ELECTRICAL EQUIPMENT SPECIFIED HEREIN TO ARCHITECT FOR REVIEW AND APPROVAL.	S. ALL PULL WIRES ARE TO BE LABELED FOR PURPOSE DESIGNATED.							
20. MANUALLY OPERATED ELECTRICAL EQUIPMENT SHALL REQUIRE 36"(UON) CLEAR AND UNOBSTRUCTED SPACE IN FRONT OF THE EQUIPMENT.	T. ALL CONDUIT PENETRATIONS THROUGH BUILDING WALLS, FLOORS, SURFACES, AS WELL AS FLOOR CORE DRILLING MUST BE FULLY COORDINATED WITH BUILDING'S DEPARTMENT. PENETRATIONS THROUGH EXISTING FIRE RATED WALLS AND FLOORS MUST BE PROVIDED WITH FIRE RATED MATERIALS TO COMPLY WITH BUILDING STRUCTURAL RATING.							
21. PROVIDE 1/8" POLYPROPYLENE PULL ROPE IN ALL EMPTY CONDUITS. IDENTIFY CONDUITS AT EACH END WITH TAGS IDENTIFYING OTHER END OF CONDUIT.	U. ALL WIRING MUST BE INSTALLED IN CONDUIT. WIRING IN CEILING PLENUM MUST CONFORM TO THE APPLICABLE CODES.							
22. PROVIDE AN AS-BUILT DRAWING SET FOR ALL ELECTRICAL WORK INSTALLED IN THE PROJECT. AS-BUILT SET MUST INCLUDE ALL DEVIATIONS FROM THE ORIGINAL CONTRACT DRAWINGS, INFORMATION REGARDING ALL CHANGE ORDERS, DIMENSIONED LOCATIONS OF ALL SPARE CONDUIT STUB-OUTS, ALL PANELS, CIRCUITS DIRECTLY AGAINST ACTUAL CIRCUIT ASSIGNMENT, AND DIAG. OF ALL EQUIPMENT CONNECTIONS. AT THE CONCLUSION OF THE WORK, DELIVER AS-BUILT DRAWINGS TO THE OWNER'S REPRESENTATIVE.	V. ALL ROOF AND EXTERIOR WALL PENETRATIONS MUST BE FULLY COORDINATED WITH ARCHITECT AND MUST BE WEATHERPROOFED.							
23. LOCATIONS SHOWN ON ARCHITECTURAL CEILING PLANS OR ON WALL ELEVATIONS SHALL TAKE PRECEDENCE OVER ELECTRICAL PLAN LOCATIONS.	W. PVC CONDUIT SHALL NOT BE ALLOWED FOR ABOVE GROUND WIRING (UON).							
24. IN CASES WHERE THE MANUFACTURER OF THE EQUIPMENT AND MATERIAL USED IN THIS PROJECT FURNISHED DIRECTIONS COVERING POINTS NOT SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED, SUCH DIRECTIONS SHALL BE FOLLOWED WITHOUT ADDITIONAL COST TO THE OWNER.	X. ANCHORS NOT CAST INTO CONCRETE SHALL BE EXPANSION SHIELD TYPE, PHILLIPS "RED HEAD", HILT, OR EQUAL.							
25. BEFORE FINAL ACCEPTANCE, ELECTRICAL EQUIPMENT, INCLUDING LIGHTING FIXTURES SHALL BE CLEANED AND TO BE FREE FROM DIRT, GRASS, AND FINGERMARKS, ALL TO THE SATISFACTION OF THE ARCHITECT.	Y. EXPANSION COUPLINGS SHALL BE OZ TYPE "AX" OR "DX" OR EQUAL WITH BONDING JUMPER.							
26. TEST ALL PARTS OF THE ELECTRICAL INSTALLATION FOR PROPER PHASING, CONTINUITY, SHORTS, AND GROUNDS PRIOR TO PLACING IN SERVICE. MAKE RECORDS OF ALL TESTS AND DELIVER TO THE ARCHITECT FOR VERIFICATION.								
27. PROVIDE SEISMIC RESTRAINTS FOR EQUIPMENT AS NEEDED. ALL SEISMIC RESTRAINTS MUST BE CERTIFIED BY A REGISTERED STRUCTURAL ENGINEER.								
28. ALL NEW ELECTRICAL EQUIPMENT SHALL BE U.L. LISTED.								
29. CONTRACTOR SHALL MAKE ALL SCHEDULING AND ARRANGEMENT WITH THE 3RD PARTY INSPECTION AND COMMISSIONING OF LIGHTING AND POWER SYSTEMS IN COMPLIANCE WITH CALIFORNIA TITLE 24 ENERGY ORDINANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INCURRED COSTS.								
30. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED FOR THE BASE BID AND INSTALLATION. THE USE OF ANY UNAVAILABLE EQUIPMENT SHALL BE REJECTED AND REMOVED AT THE CONTRACTOR'S EXPENSE.								
31. ELECTRICAL EQUIPMENT FOR THIS PROJECT SHALL BE ORDERED BASED ON APPROVED AND PERMITTED SET OF CONSTRUCTION DOCUMENT AND APPROVED SHOP DRAWINGS. DO NOT PRE-ORDER ANY EQUIPMENT UNLESS APPROVED BY THE ARCHITECT.								
32. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT SHALL BE WEATHERPROOF AND WEATHER RESISTANT (NEC-406.8).								
33. MISSING MOUNTING HEIGHTS FOR ALL ELECTRICAL DEVICES MUST BE OBTAINED FROM ARCHITECT PRIOR ROUGH-INS.								
34. ELECTRICAL EQUIPMENT AND DEVICES REQUIRING MAINTENANCE AND TESTING INSTALLED IN THE CEILING SPACES SHALL BE ACCESSIBLE. AREAS WITH HARD CEILING SHALL BE PROVIDED WITH AN ACCESS PANEL. COORDINATE LOCATIONS WITH ARCHITECT PRIOR ROUGH-INS.								
35. PER NEC SECTION 110-3(B) LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING. TORQUE SCREWDRIVER AND WRENCHES SHALL BE USED TO PERFORM TERMINATION TIGHTENING. TORQUE FOOT-POUND VALUES SHALL BE PER MANUFACTURER'S PUBLISHED DATA.								
ASSISTIVE LISTENING SYSTEM								
A. ASSISTIVE LISTENING SYSTEM SERVER		B. PORTABLE AUDIO RECEIVERS - PROVIDE 6 RECEIVERS (4% OF 126 SEATS = 6 RECIEVERS)						
FURNISH AND INSTALL AN AUDIO OVER WI-FI ASSISTIVE LISTENING SYSTEM FOR USE IN CHALLENGING AUDIO ENVIRONMENTS AND FOR THE HEARING IMPAIRED. THE ASSISTIVE LISTENING SYSTEM (ALS) SHALL BE CAPABLE OF OPERATING IN THE 2.4 AND 5 GHz UNLICENSED WI-FI BANDS ALLOWING LOW LATENCY STREAMING OF AUDIO FROM A LISTEN EVERYWHERE SERVER ACROSS A LOCAL AREA NETWORK TO DEDICATED WI-FI AUDIO RECEIVERS AND GUESTS' SMARTPHONES RUNNING THE LISTEN EVERYWHERE MOBILE APPLICATION. THE SYSTEM SHALL SUPPORT MOUNTING OF THE SERVER INTO A STANDARD 19" AUDIO RACK.		THE DEVICE SHALL BE A DIGITAL RECEIVER OPERATING IN THE 2.4 AND 5 GHz UNLICENSED WI-FI BANDS ALLOWING LOW LATENCY STREAMING OF AUDIO FROM A LISTEN EVERYWHERE SERVER ACROSS A LOCAL AREA NETWORK. THE DEVICE SHALL BE A PROVISIONED SMARTPHONE, LOCKED DOWN AND CONFIGURED STRICTLY FOR USE AS A WI-FI AUDIO RECEIVER, RUNNING THE LISTEN EVERYWHERE MOBILE APPLICATION WITH NO OTHER DEVICE SERVICES OR APPLICATIONS BEING ACCESSIBLE. THE DEVICE SHALL PROVIDE ACCESS TO WIFI NETWORK SETTINGS FROM THE HOME SCREEN. THE DEVICE SHALL PROVIDE A METHOD TO PAIR BLUETOOTH DEVICES FROM THE HOME SCREEN. CHANNEL SELECTION SHALL BE MADE VIA THE FRONT PANEL TOUCH DISPLAY VIA THE LISTEN EVERYWHERE APPLICATION. THE DEVICE SHALL PROVIDE EASY TO ACCESS VOLUME CONTROL USING THE SIDE VOLUME BUTTONS.						
THE SYSTEM SHALL SUPPORT ENCRYPTED AND SECURE COMMUNICATIONS, EMPLOYING PASSCODE PROTECTED PRIVATE CHANNELS TO ENSURE COMPLETE CONFIDENTIALITY IN COMMUNICATION AND STREAMING. THE SYSTEM SHALL SUPPORT CUSTOMIZATIONS TO THE MOBILE APPLICATION USER INTERFACE USING A REMOTE CLOUD SERVICES PROGRAMMING INTERFACE. THE SYSTEM SHALL SUPPORT CUSTOM APP THEMES AND COLORS, CHANNEL NAMES AND LOGOS, WELCOME VIDEO ADS OR LOGOS, AND IN APP SLIDING BANNERS.		THE DEVICE SHALL SUPPORT ENCRYPTED AND SECURE COMMUNICATIONS, EMPLOYING PASSCODE-PROTECTED PRIVATE CHANNELS TO ENSURE COMPLETE CONFIDENTIALITY IN COMMUNICATION AND STREAMING. IT SHALL BE POWERED VIA A NON-REMOVABLE RECHARGEABLE LITHIUM-POLYMER BATTERY. THE DEVICE SHALL INCORPORATE AUTOMATIC BATTERY CHARGING CIRCUITRY TO CHARGE AND MAINTAIN THE LITHIUM-POLYMER BATTERY VIA THE USB-C PORT ON THE DEVICE. THE RECEIVER SHALL HAVE A 3.5 MM TRRS CTA COMPLIANT HEADPHONE CONNECTION ALLOWING OPERATION WITH STANDARD STYLE HEADPHONES. IT SHALL HAVE A TOUCH DISPLAY WITH AUTO-DIMMING, ALLOWING DISPLAY OF THE LISTEN EVERYWHERE USER INTERFACE AS WELL AS BATTERY PERCENTAGE, WI-FI SIGNAL STRENGTH, CHARGING STATUS, AND VOLUME ADJUSTMENTS.						
THE SYSTEM SHALL HAVE A SIGNAL-TO-NOISE RATIO OF 74 DB OR GREATER AND SHALL HAVE AN AUDIO FREQUENCY RESPONSE OF 20 HZ – 20 KHZ (±1 DB). THE SYSTEM SHALL HAVE AUDIO LATENCY OF LESS THAN 80MS. THE RECEIVERS SHALL FULLY CHARGE IN UNDER 2.5 HOURS AND HAVE A BATTERY RUN TIME OF OVER 30 HOURS.		C) PORTABLE AUDIO RECEIVERS PROTECTIVE COVERS (1 PER EACH AUDIO RECEIVER) D) OVER THE EAR SPEAKER (1 PER EACH AUDIO RECEIVER) E) NECK LOOP FOR HEARING AIDS EQUIPPED WITH "T" COIL (25% IF AUDIO RECEIVER) F.) 2 PORT USB CHARGER FOR RECEIVERS (3 CHARGERS).						
				CHANGES TO EXISTING				
				1. BEFORE SUBMITTING THE BID PROPOSAL, THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY ACQUAINT HIMSELF WITH THE JOB CONDITIONS AND VERIFY LOCATION OF EXISTING EQUIPMENT.				
				2. ALL WORK SHALL BE PERFORMED TO CHANGE EXISTING ELECTRICAL INSTALLATION AS INDICATED OR AS REQUIRED TO PROVIDE NEW WORK.				
				3. INFORMATION GIVEN ON THE DRAWINGS REGARDING EXISTING INSTALLATION HAS BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE, HOWEVER IT CANNOT BE GUARANTEED IN ALL RESPECTS. VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH THE NEW WORK THAT MAY BE AFFECTED UPON. INCLUDE, AS A PART OF THE CONTRACT, ALL WORK THAT ARE REQUIRED TO PRODUCE INDICATED RESULT.				
				4. EXCEPT AS MAY BE SPECIFICALLY INDICATED OTHERWISE, ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK AND NOT SHOWN TO BE REUSED SHALL BE TREATED AS FOLLOWS: A. ALL CONDUITS, CONDUCTORS, OUTLET BOXES AND FITTINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. B. ALL OTHER REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER AND DISPOSED OF AS DIRECTED BY THE OWNER.				
				5. CLEAN ALL REMOVED ITEMS THAT ARE TO BE REUSED. WHERE A CHOICE IS POSSIBLE SELECT THE BEST OF THE REMOVED ITEMS FOR REUSE.				
				6. BEFORE ANY DEMOLITION WORK PROCEEDS IN ANY AREA, SURVEY AREA AND DETERMINE SOURCES OF ALL ELECTRICAL FEEDERS, CIRCUITS ETC., FOUND IN THIS AREA. DISCONNECT AND/OR RE-ROUTE ALL HOT WIRES WITHIN THE AREA SO DEMOLITION MAY PROCEED WITHOUT ANY HAZARD FROM ELECTRICAL SHOCK.				
				7. MAKE ALL NECESSARY ALTERATIONS TO COORDINATE AND CONNECT EXISTING WITH NEW ELECTRICAL WORK TO THE END THAT, WHEN WORK IS COMPLETE, ENTIRE ELECTRICAL INSTALLATION, EXISTING AND NEW, SHALL BE COMPLETE AND IN SATISFACTORY OPERATING CONDITION. DRAWINGS INDICATE WORK WHICH IS TO BE IN PLACE AT COMPLETION OF INSTALLATION. EXISTING WORK NOT INDICATED TO BE CHANGED OR ABANDONED OR NOT SHOWN IS TO REMAIN IN USE. CONDUIT AND WIRING ARE EXISTING TO THEIR RESPECTIVE SOURCES, ALTHOUGH NOT INDICATED ON DRAWINGS. THIS MAY REQUIRE TEMPORARY REMOVAL OR REROUTING OF CONDUITS AND REPLACING EXISTING WIRING WITH NEW DURING CONSTRUCTION WORK. INCLUDE UNDER THIS SECTION ALL WORK REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO EXISTING EQUIPMENT.				
				8. CAREFULLY PROTECT ALL FINISHED WALLS, TRIM, FLOORS, EQUIPMENT, SUPPLIES AND MATERIALS, AND USE TARPAULINS WHEREVER POSSIBLE. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE SMALLEST AREA POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK. EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. OUTLETS SHALL BE RESET WHERE REQUIRED DUE TO CONSTRUCTION WORK. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.				
				9. WORK SHALL BE DONE IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO USERS OF THE PREMISES AND NOT INTERFERE WITH ITS USE. ANY WORK TO BE PERFORMED ON EXISTING BUILDING MUST BE PLANNED IN ADVANCE.				
				10. ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN SUCH A MANNER AS NOT TO INTERFERE IN ANY WAY WITH THE SATISFACTORY PERFORMANCE OF THE ELECTRICAL SYSTEMS IN ANY OF THE OTHER PORTIONS OF THE SITE WHILE IN USE. POWER AND LIGHT SERVICES, SUB-FEEDERS, AS WELL AS ANY AUXILIARY SYSTEM, SHALL NOT BE DISCONNECTED.				
				11. BEFORE PERFORMING ANY SAW CUTTING AND/OR ANY EXCAVATION ON EXISTING SURFACES OBTAIN A COPY OF THE ELECTRICAL AS-BUILT TO ASCERTAIN INFO. OF CONCEALED CONDUIT RUNS. IF AS-BUILT ELECTRICAL DRAWINGS ARE NOT AVAILABLE, CONTRACTOR SHOULD ENGAGE SERVICES OF SPECIALIZED CONTRACTORS TO LOCATE CONCEALED CONDUIT RUNS VIA X-RAY AND/OR RADAR CONDUITS LOCATOR.				
				12. WHERE APPLICABLE, CONTRACTOR SHALL CONTACT DIG-ALERT ORGANIZATION PRIOR TO INSTALLATION OF ANY UNDERGROUND WORK FOR LOCATING OF THE UNDERGROUND UTILITIES.				
						DRAWING LIST		
				E0.01 GENERAL NOTES, SPECIFICATIONS, SYMBOLS, ABBREVIATIONS				
				E1.00 PARTIAL SINGLE LINE DIAGRAM, PANEL SCHEDULE, AND VOLTAGE DROP CALCULATIONS				
				E2.00 ELECTRICAL PLAN				
				E3.00 TITLE 24 ELECTRICAL DISTRIBUTION NRCC-ELC-E				

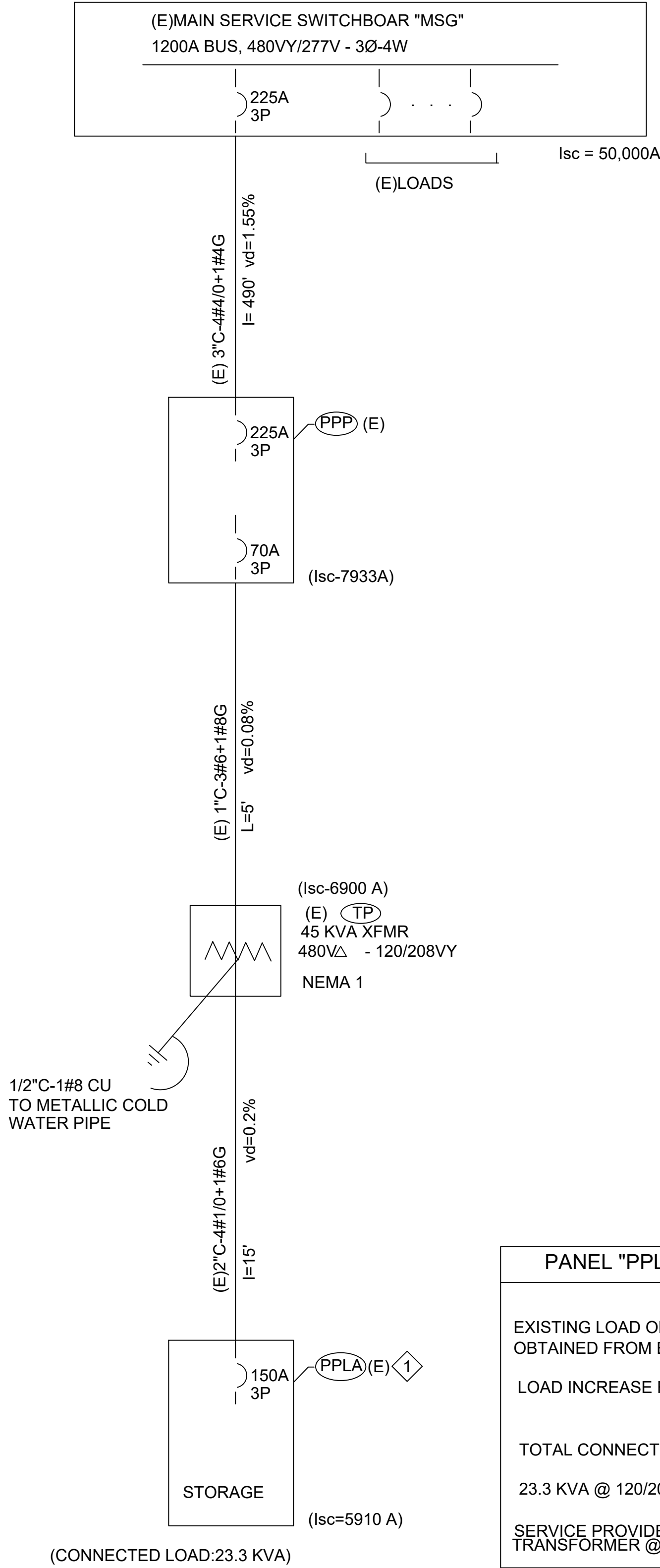
PANEL: (E) PANEL "PPLA"		VOLTAGE: 208/120V		3 PHASE		MAIN: 150 A/3 CB													
LOCATION: ELEC ROOM		BUS SIZE: 250 A		4 WIRE		MOUNTING: SURFACE													
LOCATION	VA ØA ØB ØC			L L	OUTLETS MISC REC LT			CB	CKT NO.	CKT NO.	CB	OUTLETS MISC REC LT			L L	VA ØA ØB ØC			LOCATION
(E) RECPT	540					3		20	1	2	20			2		1200			(E) RECPT
(E) RECPT		1500				3		30	3	4	20			2			1200		(E) RECPT
(E) RECPT			1500			2		30	5	6	20			2			1200		(E) RECPT
(E) RECPT	540					3		20	7	8	15	1				510			EF-1
(E) RECPT		900				5		20	9	10	15	1				510			EF-2
(E) RECPT			540			3		20	11	12	20		1				180		(E) RECPT
SPARE								20	13	14	20					500			(E) RECPT
(E) LTS		480					8	20	15	16	20		1			500			(E) RECPT
(E) LTS			600				10	20	17	18	20		1				500		(E) RECPT
SPACE								19	20	20	20	2				162			(E) EF
(E) CONTACTOR		100			1			20	21	22	20	1				1000			(E) EF
SPARE								20	23	24	20	1					1000		(E) EF
(E) LTS	500						10	20	25	26	100					5676			(E) PANEL PPLB
(E) RECEPT		660				2		20	27	28						6600			(E) PANEL PPLB
SOUND RACK			360			2		20	29	30		3				6600			(E) PANEL PPLB
SPACE								31		32		20	1			480			(N) SCOREBOARD
								33		34									
								35		36									
								37		38									
								39		40									
								41		42									
TOTAL	1580	3640	3000													8528	9810	9480	TOTAL
CONNECTED LOAD (W)= ØA: 10108 ØB: 13450 ØC: 12580																TOTAL CONNCTD. LOAD: 36138			
																LCL: 10580(LCL)= 10580			
																LCL @25%: 2645			
																TOTAL LOAD (VA): 38783			
																AMPS: 108 A			

NOTES: PANEL SHALL BE PRODUCT OF EATON CO.
PROVIDE 10,000 AIC RATED BOLT-ONCIRCUIT BREAKERS.
[1] PROVIDE NEW CIRCUIT BREAKER WITH LOCK-OUT.

PANEL "PPLA" SCHEDULE

CIRCUIT NUMBER	VOLTAGE	PHASE	LOAD (VA)	AMPS	DISTANCE (FT)	WIRE SIZE (AWG)	VOLTAGE DROP	%VOLTAGE DROP
PPLA-8	120	1	480	4	60	12	0.79	0.66

VOLTAGE DROP CALCULATIONS FOR NEW CIRCUITS



GENERAL NOTES:

- 1 - ALL ITEMS ARE EXISTING (UON).
- 2 - INFORMATION REGARDING EXISTING CONDITIONS HAVE BEEN OBTAINED FROM THE AVAILABLE EXISTING DRAWINGS. CONTRACTOR MUST FIELD VERIFY ELECTRICAL CONDITIONS, PANEL AND CIRCUIT DESIGNATIONS PRIOR DOING ANY WORK. DISCREPANCIES, IF ANY, MUST BE REFLECTED ON THE AS-BUILT DRAWINGS.

REFERENCED NOTES:

- 1 PROVIDE NEW 20A, 1P CIRCUIT BREAKER IN SPACE #32 TO MATCH EXISTING. UPDATE PANEL DIRECTORY WITH NEW LOAD. SEE PANEL SCHEDULE THIS SHEET FOR INFO.

PARTIAL SINGLE LINE DIAGRAM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122682 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/21/2024

PTN_64337-110 APPL_03-122682

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email: pe@peinc.info@earthlink.net

Drawn by DT

Checked by DT

Revisions

No.	Date	Description
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All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewelling & Moody.

BURBANK UNIFIED SCHOOL DISTRICT

BURBANK HIGH SCHOOL AQUATIC CENTER MODERNIZATION

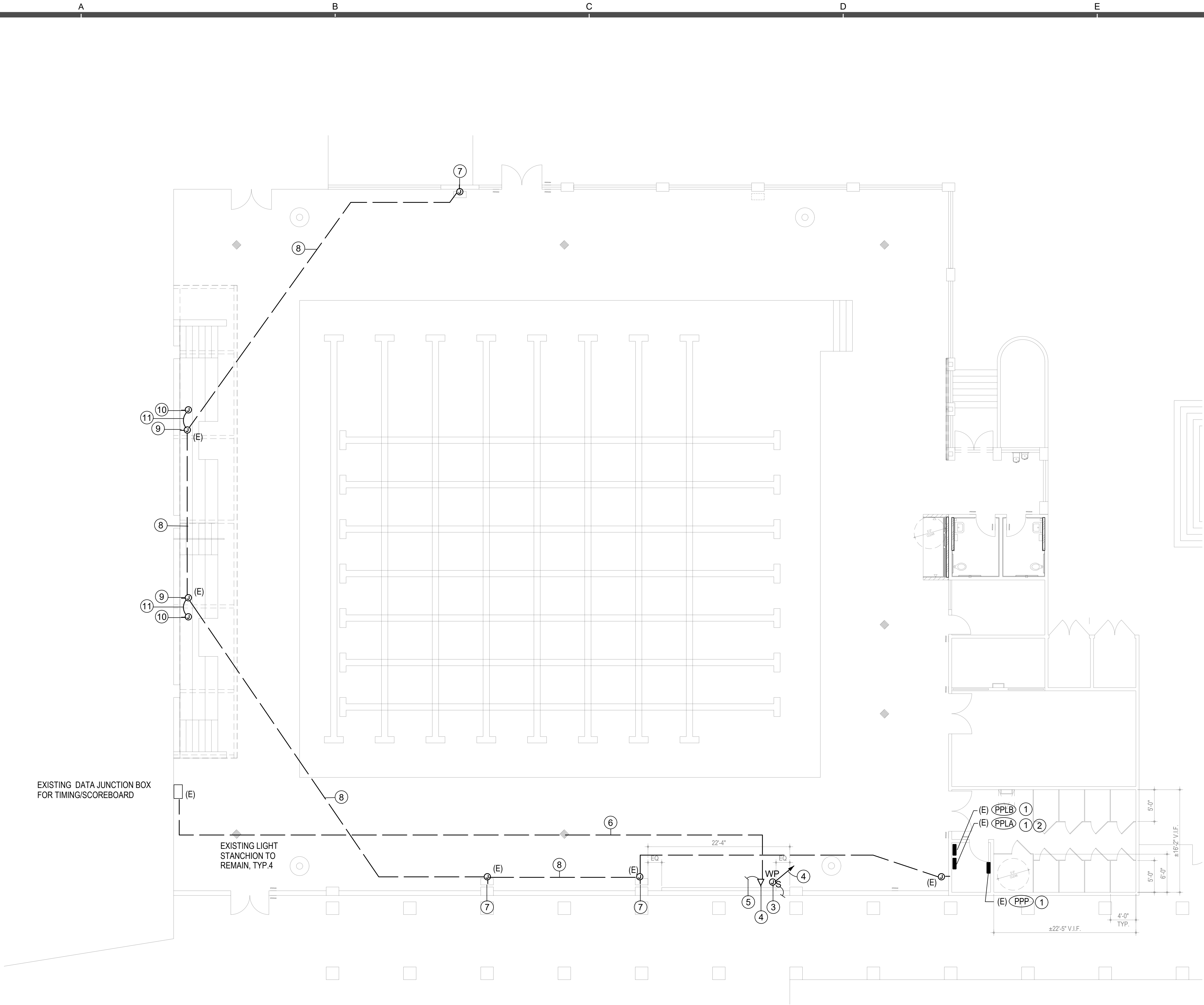
902 NORTH 3RD STREET
BURBANK, CA 91502

SINGLE LINE DIAGRAM
PANEL SCHEDULE AND
VOLTAGE DROP CALCULATIONS

Job No:
2986.0000

Date:
12-12-2022

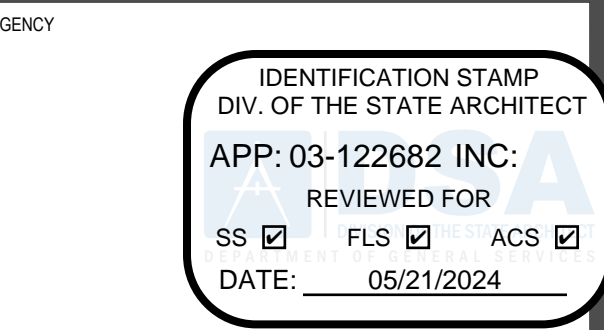
E1.00



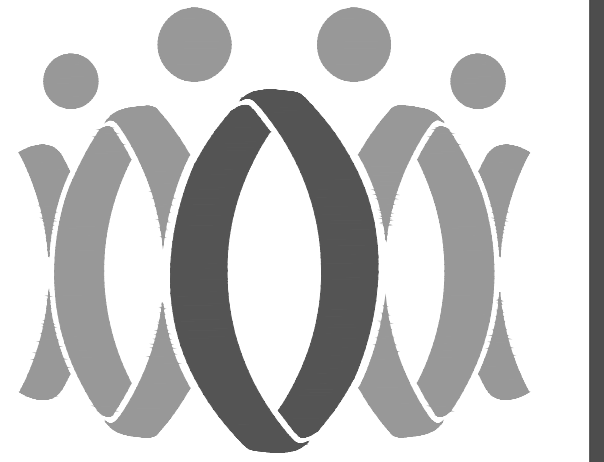
ELECTRICAL PLAN
SCALE: 1 / 8" = 1' - 0"

- GENERAL NOTES
1. WIRING MAY BE SHOWN OFFSET FOR DRAWING CLARITY.
 2. EQUIPMENT GROUNDING CONDUCTOR MUST BE PROVIDED WITH EACH BRANCH CIRCUIT WHETHER OR NOT SHOWN ON THE DRAWING.
 3. ALL WIRING/CABLES TO BE RUN IN CONDUIT.
 4. COORDINATE EXACT LOCATION OF EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND EQUIPMENT SHOP DRAWINGS.
 5. ALL CONDUIT PENETRATIONS THROUGH WALL AND ROOF MUST BE FIREPROOFED AND OR WEATHERPROOFED.
 6. INFORMATION REGARDING EXISTING CONDITIONS HAVE BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE. CONTRACTOR MUST FIELD VERIFY PANEL DESIGNATIONS AND CIRCUIT IDENTIFICATIONS PRIOR DOING ANY WORK. DISCREPANCIES, IF ANY, MUST BE REFLECTED ON THE AS-BUILT DRAWINGS.

- REFERENCED NOTES:
- ① EXISTING PANEL.
 - ② PROVIDE NEW 20A, 1P 120V. CIRCUIT BREAKER IN SPACE #8, TO MATCH EXISTING.
 - ③ PROVIDE WEATHERPROOF LOCAL DISCONNECT, 120V, 2P FOR NEW SCOREBOARD, VL. INSTALL SCOREBOARD PER MANUFACTURER'S SHOP DRAWINGS AND INSTRUCTIONS. PROVIDE GROUNDING AND ALL CONNECTIONS COMPLETE FOR AN OPERATIONAL SYSTEM.
 - ④ ROUTE 3/4" C-2#12+1#12 HOMERUN DOWN WALL AND UNDERGROUND 18" TO PANEL "PPLA" CIRCUIT #32..
 - ⑤ WEATHERPROOF 4 11/16" SQUARE BOX FOR SCOREBOARD DATA WIRING AND CONNECT CONDUIT AND DATA WIRING PER MANUFACTURER'S SHOP DRAWING INSTALLATION REQUIREMENTS.
 - ⑥ PROVIDE 1" CONDUIT ONLY TO EXISTING DATA JUNCTION BOX. ROUTE CONDUIT UNDERGROUND 18"
 - ⑦ EXISTING FLUSH MOUNTED JUNCTION BOX FOR SPEAKERS TO REMAIN.
 - ⑧ EXISTING CONDUIT FOR SPEAKER TO REMAIN. CONTRACTOR TO MAINTAIN CONTINUITY TO ALL EQUIPMENT AND REROUTE CONDUIT IF DISPLACED BY NEW WORK.
 - ⑨ EXISTING FLUSH MOUNTED JUNCTION BOX FOR SPEAKERS. PROVIDE WEATHERPROOF JUNCTION BOX EXTENSION TO EXTEND SPEAKER WIRES IN CONDUIT TO NEW SPEAKER LOCATION (NOTE #10).
 - ⑩ PROVIDE NEW JUNCTION BOX FOR SPEAKERS ABOVE NEW CANOPY, VL.
 - ⑪ EXTEND CONDUIT AND SPEAKER WIRES TO NEW SPEAKER LOCATION. PROVIDE ALL CONNECTIONS COMPLETE. MAINTAIN CIRCUIT CONTINUITY TO REMAINING SPEAKERS.



PTN_64337-110 APPL_03-122682



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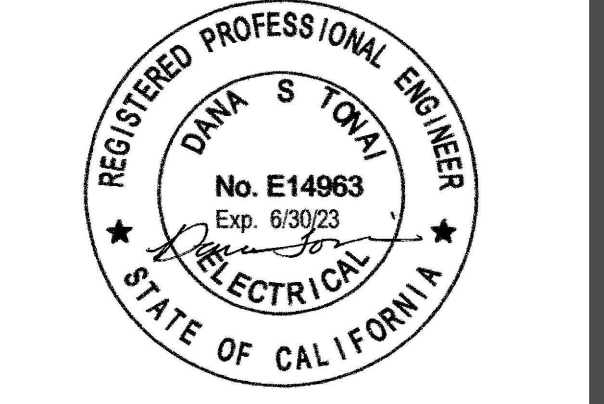
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Drawn by DT
Checked by DT

Revisions	
No.	Description

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BURBANK UNIFIED
SCHOOL DISTRICT
BURBANK
HIGH SCHOOL
AQUATIC CENTER
MODERNIZATION
902 NORTH 3RD STREET
BURBANK, CA 91502

ELECTRICAL PLAN

Job No.
2986.0000
Date
12-12-2022
E2.00

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(b)(2) for alterations.
Project Name: BURBANK HIGH SCHOOL AQUATIC CENTER MODERNIZATION Report Page: Page 1 of 4
Project Address: 209 NORTH 3RD STREET, BURBANK CA 91502 Date Prepared: 11-15-22

A. GENERAL INFORMATION
01 Project Location (city): BURBANK 02 Occupancy Types Within Project:
☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/ Motel ☒ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare Facilities ☐ Other (Write In):

B. PROJECT SCOPE
Table Instructions: Include any electrical service systems that are within the scope of the permit application.
01 02 03 04 05 06
Electrical Service Designation/ Description Scope of Work¹ Rating (kVA) Utility Provided Metering System Exception to §130.5(a)² System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b) Demand Response Controls
Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.
MSG Add/Alt to feeders and branch circuits only ☒ ☐

¹FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop §130.5(c), no other requirements from 130.5 are required.
²Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

C. COMPLIANCE RESULTS
Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D, for guidance and review the Table that indicates "No".
01 02 03 04 05
Service Electrical Metering §130.5(a) AND Separation for Monitoring §130.5(b) AND Voltage Drop §130.5(c) AND Controlled Receptacles §130.5(d) Compliance Results
(See Table F) (See Table G) (See Table H) (See Table I)
AND AND Yes AND COMPLIES with Exceptional Conditions

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
Project Name: BURBANK HIGH SCHOOL AQUATIC CENTER MODERNIZATION Report Page: Page 2 of 4
Project Address: 209 NORTH 3RD STREET, BURBANK CA 91502 Date Prepared: 11-15-22

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

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

F. SERVICE ELECTRICAL METERING
This Section Does Not Apply

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
This Section Does Not Apply

H. VOLTAGE DROP
Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)(2)(iii).
01 02 03 04 05
Electrical Service Designation/ Description Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method Location of Voltage Drop Calculations¹ Sheet Number for Voltage Drop Calculations in Construction Documents Field Inspector
MSG ☒ Voltage drop < 5% ☐ Permitted by CA Elec. Code (Exception to §130.5(c))² In construction documents E1.00 ☐ ☐

¹NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
²FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020


STATE OF CALIFORNIA
Electrical Power Distribution
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Project Name: BURBANK HIGH SCHOOL AQUATIC CENTER MODERNIZATION Report Page: Page 3 of 4
Project Address: 209 NORTH 3RD STREET, BURBANK CA 91502 Date Prepared: 11-15-22


J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/
YES NO Form/Title Field Inspector
Pass Fail
☒ ☐ NRCC-ELC-01-E - Must be submitted for all buildings.

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no Certificates of Acceptance applicable to electrical power distribution requirements.

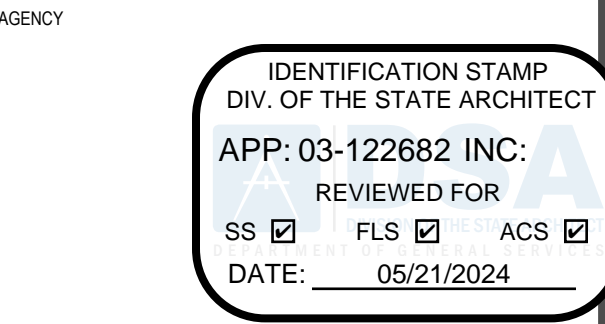
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
Project Name: BURBANK HIGH SCHOOL AQUATIC CENTER MODERNIZATION Report Page: Page 4 of 4
Project Address: 209 NORTH 3RD STREET, BURBANK CA 91502 Date Prepared: 11-15-22

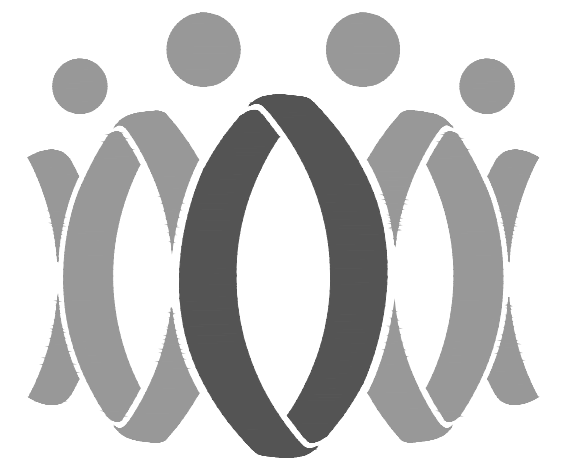
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: DANA TONAI Documentation Author Signature: 
Company: PARVIZ EBRAHIMI, INC Signature Date: 11-15-22
Address: 25101 THE OLD ROAD CEA/ HERS Certification Identification (if applicable):
City/State/Zip: SANTA CLARITA, CA 91381 Phone: (818) 991-7371

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
Responsible Designer Name: DANA TONAI Responsible Designer Signature: 
Company: PARVIZ EBRAHIMI, INC Date Signed: 11-15-22
Address: 25101 THE OLD ROAD License: E14963
City/State/Zip: SANTA CLARITA, CA 91381 Phone: (818) 991-7371

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020



PTN_64337-110 APPL_03-122682



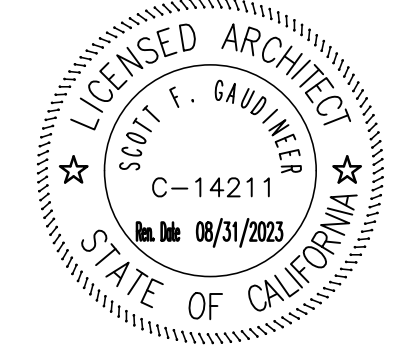
FLEWELLING & MOODY
architecture planning interiors

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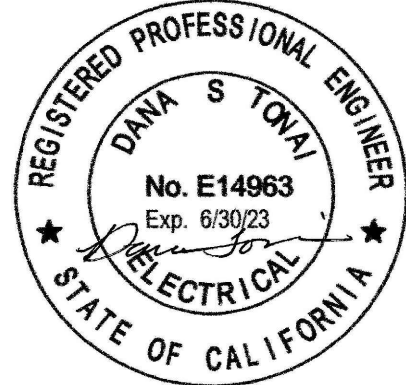
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ARCHITECT



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tel.: (818) 991-7371
email: peinc.info@earthlink.net



Drawn by

DT

Checked by

DT

Revisions

No. Date Description

All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewelling & Moody.

BURBANK UNIFIED
SCHOOL DISTRICT
BURBANK
HIGH SCHOOL
AQUATIC CENTER
MODERNIZATION

902 NORTH 3RD STREET
BURBANK, CA 91502

TITLE 24 - POWER DISTRIBUTION
NRCC-ELC-E

Job No.

2986.0000

Date

12-12-2022

TITLE 24 - NRCC-LTI-E
SCALE: NTS


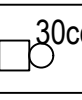
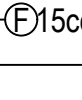

1
E3.00

E3.00

SCOPE OF WORK

CONNECT STOBE/HORN AND STOBE TO EXISTING NOTIFICATION FIRE ALARM CIRCUIT. EXISTING FIRE ALARM SYSTEM DSA APPROVED #A 03-105549

FIRE ALARM SYMBOL LEGEND

SYMBOL	QTY.	DESCRIPTION	MODEL #	C.S.F.M. #	BACK BOX REQUIREMENTS
	1	SMOKE DETECTOR	FSP-951	7270-0028:0503	
		SMOKE DETECTOR BASE	B300-6	7300-1653:0109	
		HORN STOBE	WHEELLOCK MT24-MCW	7125-0785:0155	
		STOBE	WHEELLOCK MT-12/24	7125-0785:0155	

BATTERY CALCULATION

(FIRST FLOOR GYM)

PART NUMBER	DESCRIPTION	QTY.	SUPERV. AMPS		ALARM AMPS	
			UNIT	TOTAL	UNIT	TOTAL
FCPS	(E) POWER SUPPLY	1	0.075	0.075	0.075	0.075
	(E)PULL STATION W/MONITORING MODULE	6	0.000375	0.00225	0.000375	0.00225
	(E) DUCT SMOKE DETECTOR/BASE	43	0.0003	0.0129	0.0065	0.2795
	(E) SMOKE DETECTOR/BASE	6	0.0003	0.0018	0.0065	0.039
	(E) HEAT DETECTOR/BASE	3	0.0003	0.0009	0.0065	0.0195
	(N) SMOKE DETECTOR/BASE	1	0.0002	0.0002	0.0045	0.045
	(E) STROBE 15cd 24VDC	7	----	----	0.056	0.392
	(E) STROBE 30cd 24VDC	4	----	----	0.051	0.204
	(E) HORN/15CD STROBE 24VDC	18	----	----	0.064	1.152
	(E) HORN/30CD STROBE 24VDC	3	----	----	0.092	0.276
	(E) HORN/75CD STROBE 24VDC	7	----	----	0.149	1.043
	(E) HORN/110CD STROBE 24VDC	16	----	----	0.177	2.832
	(E) HORN-WP	19	----	----	0.08	0.96
	(N) STROBE 15cd 24VDC	3	----	----	0.06	0.18
	(N) HORN/30CD STROBE 24VDC	1	----	----	0.092	0.092
TOTAL				0.092		7.59

SUPERVISORY TIME=	24 HOURS
SUPERVISORY AH	=SUPV. CURRENT X 24 H = 0.092 AMPS X 24 H = 2.21 AH
ALARM TIME=	5 MINUTES = 0.083 HOURS
ALARM AH	=ALARM CURRENT X 0.083 H = 7.59 AMPS X 0.083 H = .63AH
BATTERY AH	=SUPERVISORY AH + ALARM AH = 1.92 AH + 0.54 AH = 2.46 AH
AGING FACTOR=	25%
DESIGN MARGIN=	15%
BATTERY SIZE WITH AGING FACTOR AND DESIGN MARGIN=	2.46 AH X 1.25 X 1.15 = 4.44 AH
BATTERY PROVIDED=	7 AH SPARE = 2.56 AH

BATTERY CALCULATION

SCALE: NTS

FIRE ALARM VOLTAGE DROP

WIRE TYPE FOR SIGNALLING DEVICES CIRCUIT: #16 THWN CU
RESISTANCE OF WIRE (R2): 5.29 OHM/1000'

FOR SIGNALLING DEVICE CIRCUIT

SIGNALLING CIRCUIT DEVICES:	NUMBER	AMP/DEVICE	TOTAL AMPS (A)
(E) FDX-551 HEAT DETECTOR	3	0.0065	0.0195
(E) DUCT SMOKE DETECTOR	22	0.0045	0.0099
(E) PULL STATION	6	0.00375	0.0225
(NEW) FST-941 SMOKE DETECTOR	1	0.0045	0.0045

TOTAL AMPS PER CIRCUIT= 0.0564

VOLTAGE DROP: DISTANCE X CURRENT X 21.6/CIRCULAR MILS =
520 X 0.0564 X 21.6/2580 = .246

1.02% OF 24V CIRCUIT

FOR VISUAL NOTIFICATION DEVICE CIRCUIT

VISUAL CIRCUIT DEVICES:	NUMBER	AMP/DEVICE	TOTAL AMPS (A)
(E) HORN/STROBE 15cd	2	0.064	0.128
(E) HORN/STROBE 110cd	7	0.177	1.24
(E) WP HORN	2	0.06	0.12
(N) STROBE 15cd	3	0.06	0.18
(N) HORN/STROBE30cd	1	0.136	0.136

TOTAL AMPS PER CIRCUIT= 1.804

VOLTAGE DROP: DISTANCE X CURRENT X 21.6/CIRCULAR MILS =
520 X 1.804X21.6/10350 = 1.96

Voltage % Method: Voltage drop / Applied voltage
8.2% OF 24V CIRCUIT

NOTE: VOLTAGE DROP% SHALL NOT EXCEED 10%.

WORST CASE VOLTAGE DROP

NTS

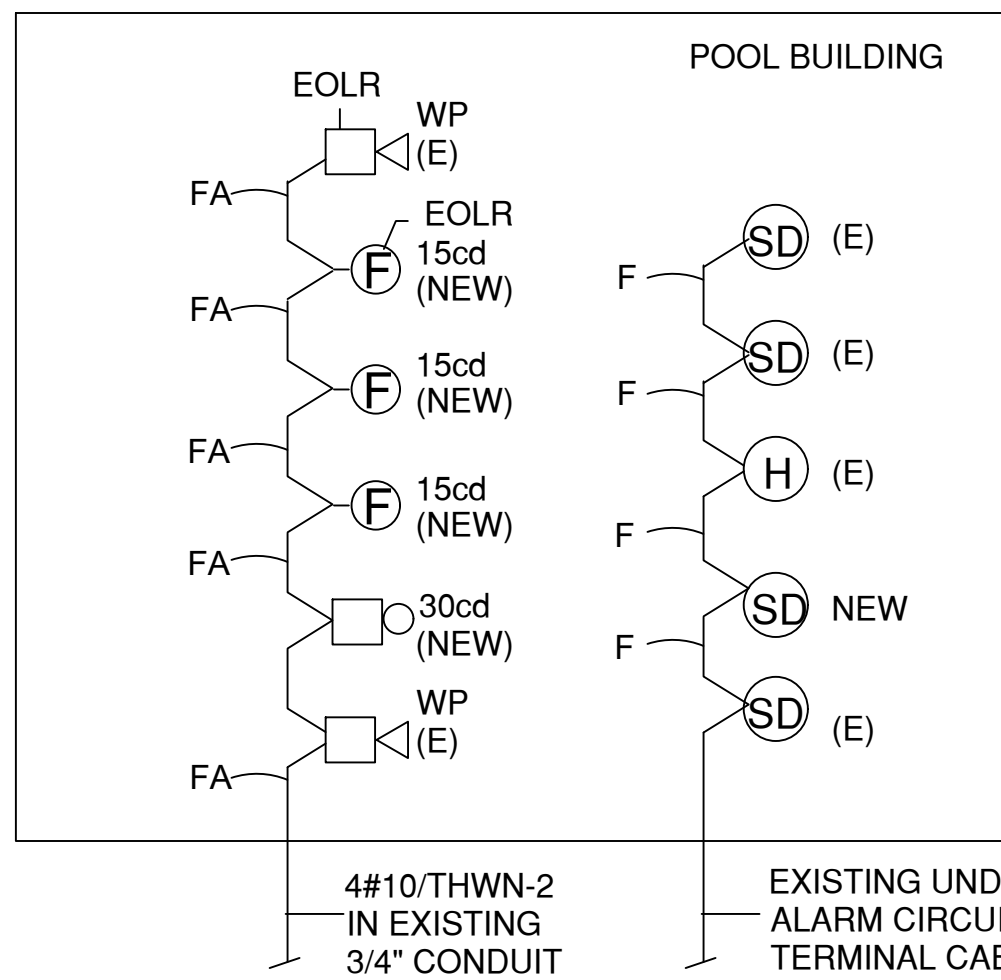
GENERAL FIRE ALARM NOTES

- ALL WIRING AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 72 AND AUTHORITIES HAVING JURISDICTION.
- ALL WIRING SHALL BE IN ACCORDANCE WITH THE N.E.C. AND AUTHORITIES HAVING JURISDICTION.
- ALL JUNCTION BOXES SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. AND SHALL HAVE THEIR COVERS PAINTED RED WHERE APPLICABLE.
- STROBE LOCATION IS BASED ON 10 FOOT CEILING HEIGHT AND ARE INSTALLED ACCORDING TO NFPA 72 REQUIREMENTS UNLESS OTHERWISE NOTED. ANY DEVICES ON CEILING OVER 10 FEET WILL BE DERATED PER NFPA-72.
- ALL EQUIPMENT SHALL BE U.L. AND C.S.F.M. LISTED.
- ALL DEVICES IN THE ALARM SYSTEM SHALL BE COMPATIBLE AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- ALL WIRING SHALL BE CUT FOR IN AND OUT. WIRING SHALL NOT BE LOOPED THROUGH DEVICES.
- FIRE ALARM SYSTEM INSTALLATION COMPANY SHALL BE UL LISTED (UUS).
- STROBES SHALL BE SYNCHRONIZED PER MANUFACTURER'S INSTRUCTIONS.
- FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE ONLY. CONTRACTOR TO ROUTE CONDUIT AS FIELD CONDITIONS ALLOW.

FIRE ALARM WIRE LEGEND

SYMBOL	CIRCUIT DESCRIPTION	CONDUCTOR COLOR	WIRE IN CONDUIT	WIRE IN CONDUIT UNDERGROUND /WET	UNDERGROUND /WET SYMBOL	CLASS
F	SIGNAL LINE CIRCUIT (SLC)	RED / BLACK	2 CONDUCTOR 2/16 FPL SOLID TWISTED/UNSHIELDED	2 CONDUCTOR 2/16 FPL STRANDED TWISTED/ SHIELDED WEST PENNAQ225	FU	B
FA	SIGNAL LINE CIRCUIT (SLC)	YELLOW/BLUE RED / BLACK ORANGE/BROWN	2 CONDUCTOR #10 THHN STRANDED FOR AUDIBLE 2 CONDUCTOR #10 THHN STRANDED FOR VISUAL	2 CONDUCTOR #10 THHN STRANDED FOR AUDIBLE 2 CONDUCTOR #10 THHN STRANDED FOR VISUAL	BUI/VU	B

ALL FIRE ALARM CABLES INSTALLED IN CONDUITS OUTDOOR AND UNDERGROUND SHALL BE "AQUA SEAL" (AQO) RATED.



PARTIAL FIRE RISER DIAGRAM

NTS

EXISTING FIRE ALARM SYSTEM DSA APPROVED #A 03-105549

FIRE ALARM LEGEND

- (H) HEAT DETECTOR
- (SD) PHOTOELECTRIC SMOKE DETECTOR
- (F) STROBE
- (F) HORN/STROBE
- (WP) WEATHERPROOF HORN
- (EOLR) END OF LINE RESISTOR

SEQUENCE OF OPERATION MATRIX

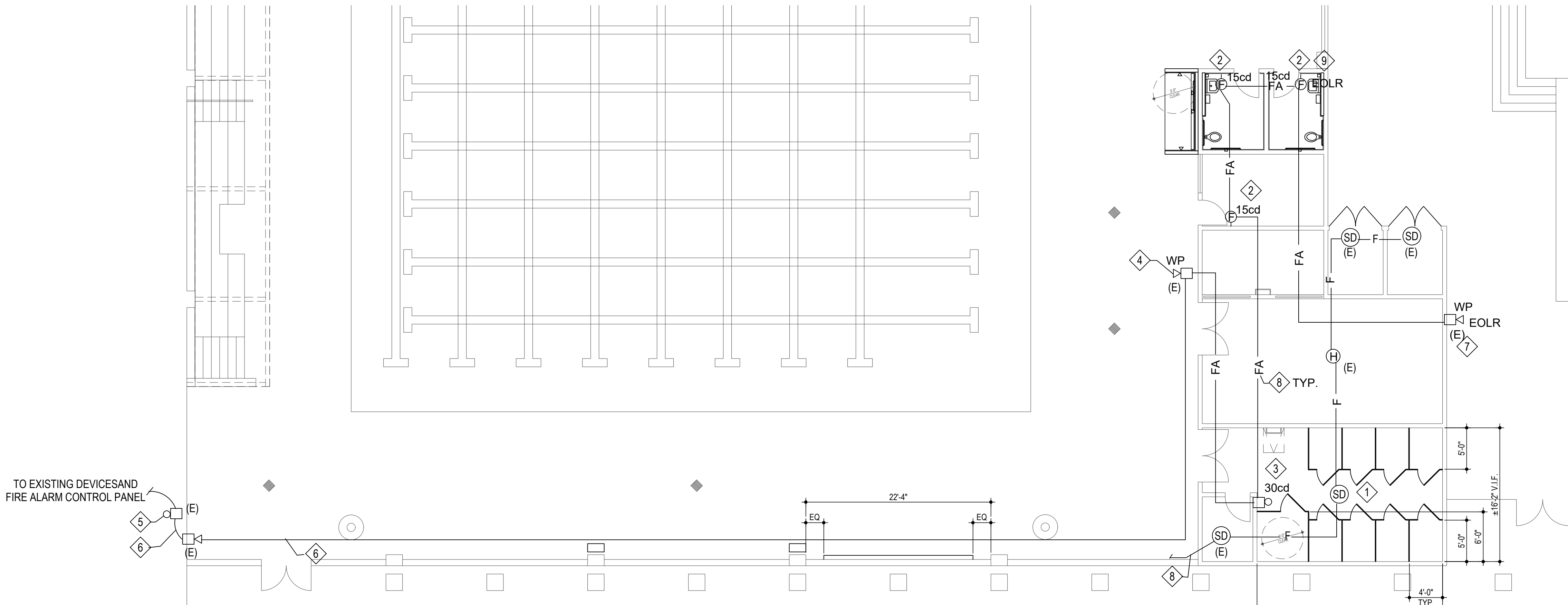
OPERATIONS	DEVICES						
	MANUAL PULL STATION	AREA SMOKE DETECTOR	AREA HEAT DETECTOR	DUCT SMOKE DETECTOR	SPRINKLER WATER FLOW SWITCH	SPRINKLER TAMPER SWITCH	120VAC POWER FAILURE
ANNUNCIATE ALARM AND TROUBLE AT THE MAIN FIRE ALARM CONTROL PANEL LOCATED IN BUILDING #1	YES	YES	YES	YES	YES	YES	NO
ANNUNCIATE ALARM AND TROUBLE AT THE REMOTE ANNUNCIATOR PANEL LOCATED AT LOBBY LEVEL OF BUILDING #1	YES	YES	YES	YES	YES	YES	NO
TRANSMIT ON ALARM AND TROUBLE SIGNAL TO FIRE ALARM REMOTE ANNUNCIATOR	YES	YES	YES	YES	YES	YES	NO
AIR HANDLING UNIT SYSTEM (AHU) ANDCFSD SHUTDOWN	YES	YES	YES	YES	YES	YES	NO
RELEASE ALL DOOR HOLDERS	YES	YES	YES	YES	YES	NO	NO
ACTIVATE AUDIBLE/VISUAL SIGNAL THROUGHOUT THE BUILDING	YES	YES	YES	YES	YES	NO	NO
TRANSMIT ON ALARM AND TROUBLE SIGNAL TO A MONITORING STATION	YES	YES	YES	YES	YES	NO	NO
LOWER ELEVATOR TO THE HOME FLOOR	NO	NO	NO	NO	NO	NO	NO
SHUTDOWN ELEVATOR	NO	NO	NO	NO	NO	NO	YES

SEQUENCE OF OPERATION OF (E)FIRE ALARM SYSTEM

NTS

REFERENCED NOTES

- REPLACE EXISTING HEAT DETECTOR WITH PHOTO ELECTRIC SMOKE DETECTOR COMPATIBLE TO EXISTING SYSTEM.
- NEW WALL MOUNTED SYNCHRONIZED STROBE COMPATIBLE TO EXISTING SYSTEM, VL.
- NEW WALL MOUNTED SYNCHRONIZED HORN/STROBE, COMPATIBLE TO EXISTING SYSTEM, VL.
- EXISTING WP HORN. INTERCEPT EXISTING AUDIBLE NOTIFICATION CIRCUIT INTERCEPT EXISTING AUDIBLE/VISUAL NOTIFICATION FIRE ALARM CIRCUIT AND EXTEND 3/4\"C-4#10 FOR AUDIBLE/VISUAL NOTIFICATION CIRCUIT TO NEW DEVICES. EXISTING EOL RESISTOR FOR VISUAL CIRCUIT. REMOVE EOL RESISTOR AND EXTEND VISUAL NOTIFICATION CIRCUIT TO NEW STOBES.
- PROVIDE 4#10 THWN-2 FOR AUDIBLE AND VISUAL NOTIFICATION DEVICES IN EXISTING 3/4\" CONDUIT.
- EXISTING WP HORN. RECONNECT TO FIRE ALARM AUDIBLE NOTIFICATION CIRCUIT. PROVIDE EOL RESISTOR AS NECESSARY.
- PROVIDE 3/4\"C-4#10 THWN-2 FOR AUDIBLE AND VISUAL NOTIFICATION DEVICES.
- PROVIDE EOL RESISTOR FOR VISUAL CIRCUIT.



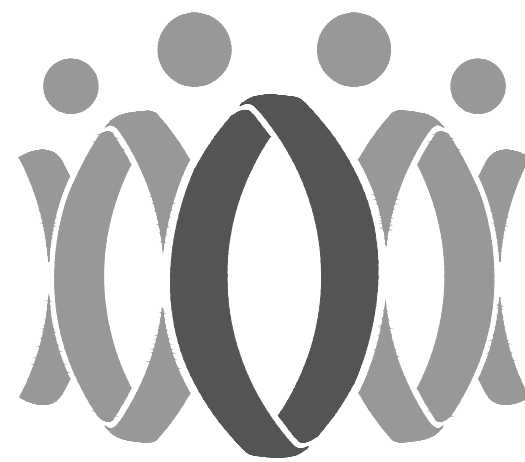
PARTIAL FIRE ALARM PLAN

SCALE : 1/8\" = 1' - 0"

AGENCY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122682 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/21/2024

PTN_64337-110 APPL_ 03-122682



FLEWELLING & MOODY
architecture planning interiors

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E-Mail: fm-pasadena@flewelling-moody.com

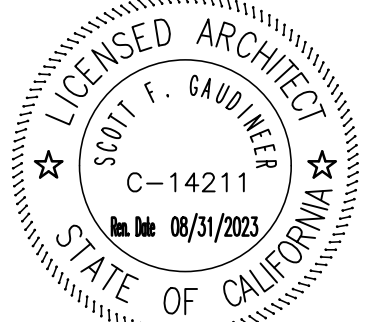
ANTELOPE VALLEY OFFICE:

1035 West Lancaster Boulevard
Lancaster, California 93534
661.948.0771

E-Mail: fm-lancaster@flewelling-moody.com

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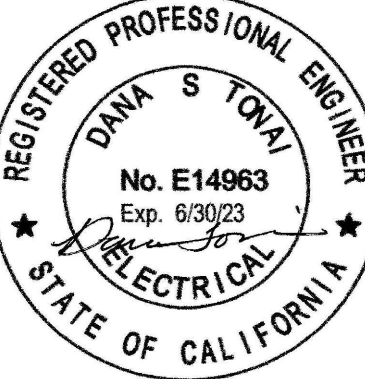
ARCHITECT



CONSULTANT

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tel.: (818) 991-7371
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Checked by

DT

Revisions

No.

Date

Description

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902 NORTH 3RD STREET
BURBANK, CA 91502

FIRE ALARM
NOTES AND PLAN

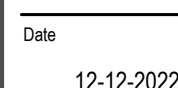
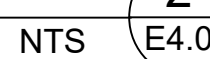
Job No.

2986.0000

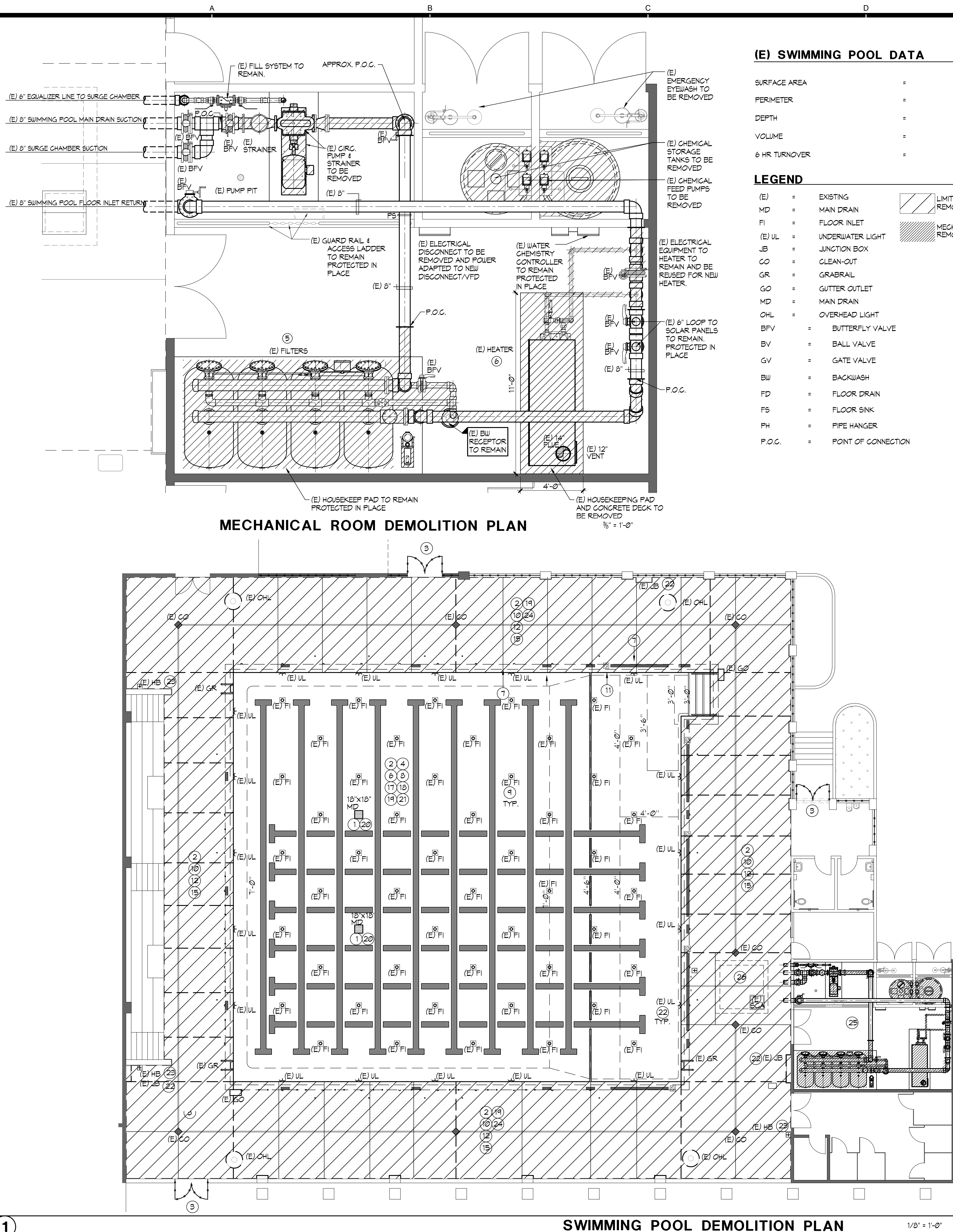
E4.00

Date

12-12-2022



E4.01



DEMOLITION/CONSTRUCTION NOTES

- CARE IS TO BE TAKEN DURING POOL DRAIN DOWN, TO RELIEVE ANY HYDROSTATIC PRESSURE THROUGH EXISTING HYDROSTATIC RELIEF VALVES AND DRAINING THE POOL SLOWLY.
 - 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.
 - COORDINATE INGRESS/EGRESS AND HA(E) UL ROUTES WITH THE OWNER PRIOR TO START OF WORK.
 - 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.
 - COORDINATE PROPOSED CONTRACTOR STAGING AREA WITH THE OWNER PRIOR TO CONSTRUCTION. PROVIDE TEMPORARY PHONE, TOILET(S), FENCING, GATES, ETC. AS REQUIRED.
 - REMOVE EXISTING WATERLINE / GUTTER CAP TILE, SWIMMING POOL LANE LINES AND END WALL TARGET TILE AND PLASTER FINISHES DOWN TO ORIGINAL SOUND CONCRETE/SHOTCRETE. ANY CRACKS SHALL BE CHIPPED OUT TO A MINIMUM TO 3/4" AND THEN FILLED FLUSH WITH NON-SHRINK GROUT. ALL EXPOSED REBAR, RUST SPOTS, ETC. SHALL BE EXPOSED, BUSHED DOWN 1 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.
 - EXISTING POOL GUTTER(S) AND SURGE CHAMBER SHALL BE CLEANED, REPAIRED AND PREPARED TO RECEIVE TWO (2) NEW COATS OF WATERPROOFING PER SPECIFICATION SECTION 131105.
 - PROVIDE NEW TILE AND PLASTER FINISHES PER PLANS. REPLACE ANY DAMAGED OR LOST POOL FITTINGS, GRATES, ROPE ANCHORS LOST DURING DEMOLITION/CONSTRUCTION AS REQUIRED.
 - REPLACE ALL FLOOR INLET COVER PLATES, ANY DAMAGED OR MISSING WALL INLET FITTINGS AND/OR ANY DAMAGED INLETS COMPLETELY PER DETAIL AND SPECIFICATIONS. PROVIDE 24"x24" OF 2"x2" DALTILE D611 'ARTIC WHITE' WHITE AROUND ALL FLOOR INLETS TYP.
 - REMOVE EXISTING POOL DECKS AS SHOWN HATCHED. NEW SUBGRADES ARE TO BE SCARIFIED A MIN OF 6" AND COMPACTED TO 90% PER ASTM D1557. THE CONTRACTOR SHALL COORDINATE AND PROTECT ALL ADJACENT WORK, BUILDINGS, ETC. TO REMAIN. COORDINATE DECK ELEVATIONS WITH EXISTING. MAXIMUM DECK SLOPE IN ANY DIRECTION SHALL BE 1.9% MAXIMUM. POC TO EXISTING STORM DRAIN SYSTEM OR REPLACE ANY DAMAGED STORM DRAIN PER PLANS.
 - EXISTING SWIMMING POOL CANTILEVER DECK TO BE REMOVED AND REPLACED. CONTRACTOR TO FIELD VERIFY GUTTER OUTLET LOCATIONS AND PROVIDE A GUTTER ACCESS COVER WITH NEW DECK INSTALLATION PER DETAIL.
 - ELECTRICAL CONDUIT AND OTHER PIPING MAY BE CAST INTO THE EXISTING DECK SCHEDULED FOR REMOVAL. THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE REPLACEMENT OF ALL DAMAGED CONDUIT OR PIPING AND SHALL PROVIDE A PRICE PER LINEAR FOOT FOR ALL FEEDER WIRES AND NEW CONDUIT.
 - REMOVE, CLEAN, POLISH AND PROTECT EXISTING DECK EQUIPMENT AS REQUIRED PRIOR TO DEMOLITION. CLEAN AND POLISH WITH GRIT POLISH AND REINSTALL WITH GRIT POLISH. WHEN COMPLETED, PROVIDE NEW ANCHORS AND BOND TO DECKING. CONTRACTOR TO FIELD VERIFY AND DOCUMENT LOCATION OF DECK EQUIPMENT ANCHORS AND INSTALL NEW ANCHORS TO MATCH EXISTING IN SAME LOCATIONS.
 - EXISTING ROPE ANCHOR IF UNDAMAGED MAY REMAIN IN PLACE. REMOVE AND REPLACE ANY MISSING, DAMAGED OR LOST WITH NEW PER DETAIL AND SPECIFICATIONS.
 - REFER TO SHEET DP-2 FOR NEW DECK LAYOUT PLAN IN COORDINATION WITH CONTRACTOR FIELD LAYOUT AND EXISTING INFORMATIONAL PLANS. ALL NEW CONCRETE SHALL BE 4,000 PSI MINIMUM AT 28 DAYS.
 - REMOVE AND REPLACE ALL EXISTING GRABRAIL STEPS. ONCE STEPS ARE REMOVED ALL RUST SPOTS SHALL BE EXPOSED, BUSHED DOWN 1 1/2" BELOW FINISHED SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. THEN NEW CYCLOGRAB STEPS SHALL BE INSTALLED FLUSH WITH NON-SHRINK GROUT.
 - 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.
 - 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.
 - 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 FOURTEEN (14) DAYS AFTER PLASTER. THE CONTRACTOR SHALL COORDINATE HIS EFFORTS WITH OWNER'S STAFF TO PROVIDE INSTRUCTION AND TRAINING IN PROPER OPERATION OF POOL IN CONJUNCTION WITH NEW PLASTER SURFACES.
 - REPLACE 18"x18" MAIN DRAIN COVERS WITH NEW. PROVIDE VGBA CERTIFICATION.
 - 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.
 - UNDERWATER LIGHTS AND JUNCTION BOXES TO REMAIN. CONTRACTOR SHALL PROTECT IN PLACE. IF ANY CONDUITS OR LAP CORDS ARE DAMAGED THEY SHALL BE REPLACED. NO LAMP CORDS SHALL BE SPliced OR REPAIRED. REPLACE COMPLETE.
 - EXISTING HOSE BIBS TO REMAIN PROTECTED IN PLACE.
 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE IN CONFORMANCE WITH CFC CHAPTER 33.
 - SEE MECHANICAL DEMOLITION NOTES.
 - REMOVE CONCRETE SURGE CHAMBER LID AND PREPARE FOR NEW CONCRETE LID.
- MECHANICAL DEMOLITION NOTES
- COORDINATE DEMOLITION AND POINTS OF CONNECTION WITH EXISTING UTILITIES, AND PIPING SYSTEMS IN THE FIELD TO ALLOW NEW WORK TO BE ACCOMPLISHED AND TO PROVIDE A FULLY FUNCTIONING MECHANICAL SYSTEM. PROTECT ALL EXISTING WORK, BUILDINGS, PIPING, EQUIPMENT, UTILITIES, ETC. TO REMAIN.
 - REPAIR OR REPLACE ANY DAMAGED ITEMS DUE TO DEMOLITION AND/OR CONSTRUCTION AT NO ADDITIONAL EXPENSE TO THE OWNER.
 - COORDINATE INGRESS/EGRESS AND HAUL ROUTES WITH THE SITE CONDITIONS PRIOR TO START OF WORK IN FIELD.
 - THIS PLAN VIEW IS SHOWN FOR INFORMATION AND ASSISTANCE. THE CONTRACTOR IS RESPONSIBLE FOR INDIVIDUAL DIMENSIONS, ELEVATIONS, TAKE-OFFS AND ESTIMATIONS WITH REGARD TO DEMOLITION, PREPARATION, AS WELL AS MEANS AND METHODS OF CONSTRUCTION AND SHALL VISIT THE SITE AS REQUIRED TO ACCOMPLISH THE WORK, AND TO BECOME FAMILIAR WITH SCOPE AND SERVICES OF WORK REQUIRED.
 - PROVIDE SELECTED DEMOLITION OF EXISTING SWIMMING POOL FILTERS, PIPING, VALVING, UTILITIES, PIPE HANGERS, ETC. AS REQUIRED. PROVIDE NEW SWIMMING POOL FILTER SYSTEM, PIPING, VALVING, HOUSEKEEPING PADS, UTILITIES, PIPE HANGERS, ETC. PER SHEET MR-2.
 - THE CONTRACTOR SHALL REMOVE AND REPLACE EXISTING SWIMMING POOL HEATER, FLUE, PIPING, VALVING AND UTILITIES AS NECESSARY FOR INSTALLATION OF NEW HEATER SHOWN ON 2/MR-1.
 - CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND HAULING OFF OF ALL MECHANICAL EQUIPMENT, PIPING, VALVING, AND THE LIKE, AND LEGALLY DISPOSING OF ALL SUCH MATERIAL FROM THE SITE AS PART OF THE OVERALL BASE BID.
 - COORDINATE PROPOSED CONTRACTOR STAGING AREA WITH THE OWNER PRIOR TO CONSTRUCTION. PROVIDE TEMPORARY PHONE, TOILET(S), FENCING, GATES, ETC. AS REQUIRED.
 - THE OWNER SHALL IDENTIFY, REMOVE, SALVAGE ANY ITEMS AS DESIRED PRIOR TO CONTRACTOR MOVE-IN.
 - THE CONTRACTOR SHALL PREPARE EXISTING CONCRETE SURFACES FOR NEW HOUSEKEEPING PAD EXTENSION FOR NEW FILTERS AND/OR HEATER AS REQUIRED PER THE NEW MECHANICAL EQUIPMENT AND FILTER ANCHORAGE DETAIL.
 - CONTRACTOR TO FIELD VERIFY ALL EXISTING ELECTRICAL CONNECTIONS TO FILTERS, PUMPS, WATER CHEMISTRY CONTROLLERS AND ALL OTHER EQUIPMENT AND RE-ROUTE/REVISE ALL CONDUIT, ETC. AS NECESSARY FOR INSTALLATION OF NEW EQUIPMENT.
 - POINT OF CONNECTION (POC) TO EXISTING PIPING. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH OWNER THE LOCATION OF ALL POC'S.
 - ALL EXISTING PIPE HANGERS & SUPPORTS TO REMAIN AND BE REUSED WHERE POSSIBLE.

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STATE OF CALIFORNIA

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Checked by: GSF
Reviewed by: [Signature]
No. [] Date [] Description []

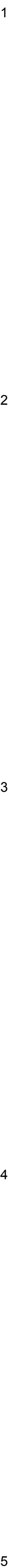
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SWIMMING POOL
DEMOLITION PLAN

Job No.: 2986.0000
Date: 11-18-2022

DP.1

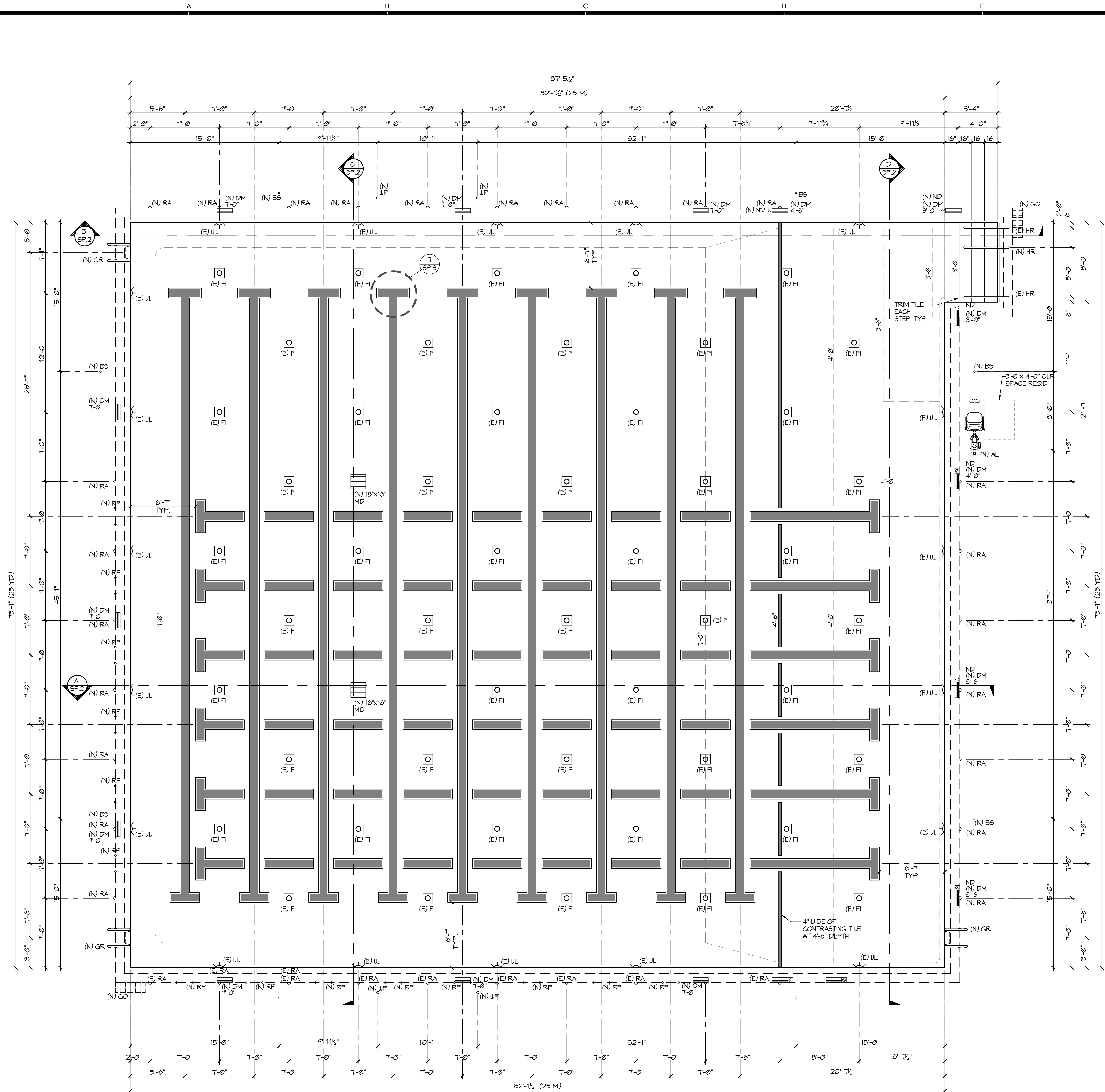


LEGEND

GENERAL NOTES

- ### CODE COMPLIANCE

-



(E) SWIMMING POOL DATA

SURFACE AREA	=	6,209 SQ. FT.
PERIMETER	=	325 FT.
DEPTH	=	3'-0" TO 7'-3"
VOLUME	=	302,000 GAL.
6 HR TURNOVER	=	840 GPM

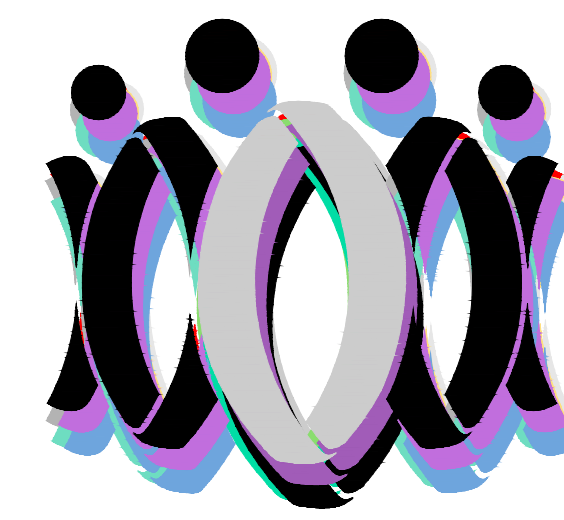
LEGEND

UL	=	UNDERWATER LIGHT
X MD	=	MAIN DRAIN
GR	=	GRABRAIL
DM	=	DEPTH MARKER
NR	=	'NO RUNNING'
ND	=	'NO DIVING'
RA	=	ROPE ANCHOR
RP	=	RAGING PLATFORM
BS	=	BACKSTROKE STANCHION
HR	=	HANDRAIL
AL	=	ACCESSIBLE LIFT
GO	=	GUTTER OUTLET
WP	=	WATER POLO GOAL
(E)	=	EXISTING
(N)	=	NEW

GENERAL NOTES

- COORDINATE SIGNAGE PLACEMENT WITH HEALTH DEPT PRIOR TO INSTALLATION.
- DECKS SHALL HAVE 1.5% MIN. SLOPE AND 1.0% MAX. SLOPE TO DRAINS.
- ALL POOL DECKING SHALL BE NON-SLIP AND NON-ABRASIVE MEDIUM BROOM FINISH WITH MIN. 4 FOOT WIDTH TYP. NATURAL GRAY CONCRETE UNLESS OTHERWISE NOTED.
- FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE IN CONFORMANCE WITH CFC CHAPTER 93

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Revisions		
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SWIMMING POOL
LAYOUT PLAN

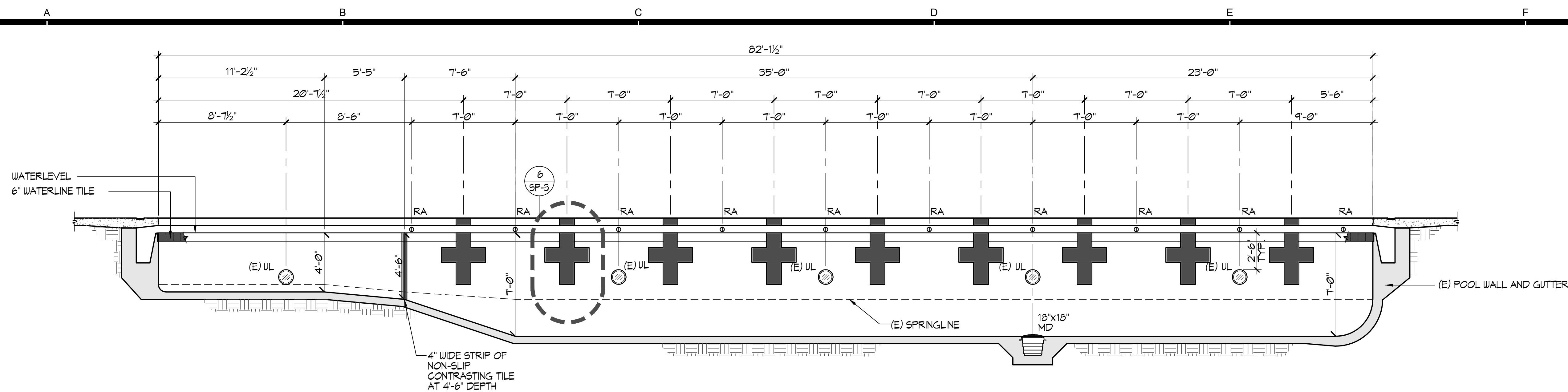
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2986.0000

Date
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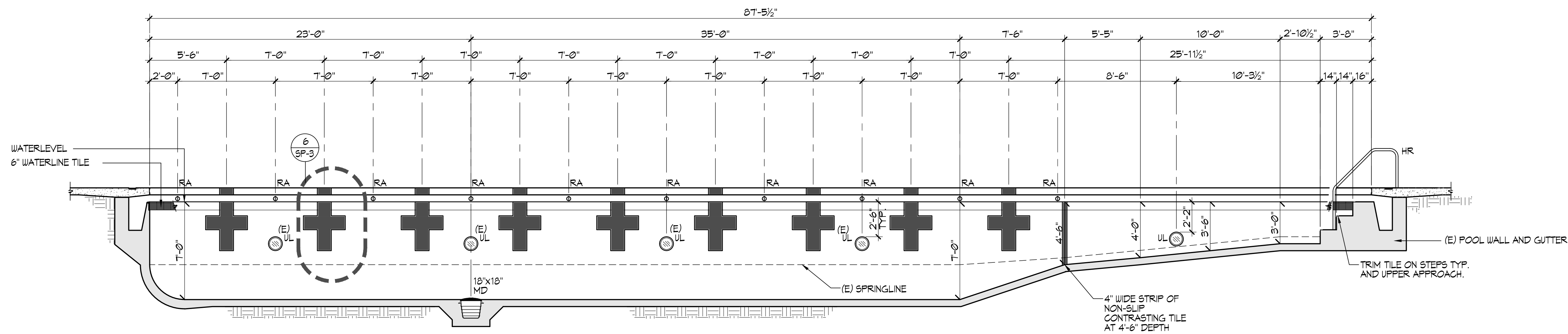
SWIMMING POOL LAYOUT PLAN

1/4" = 1'-0"



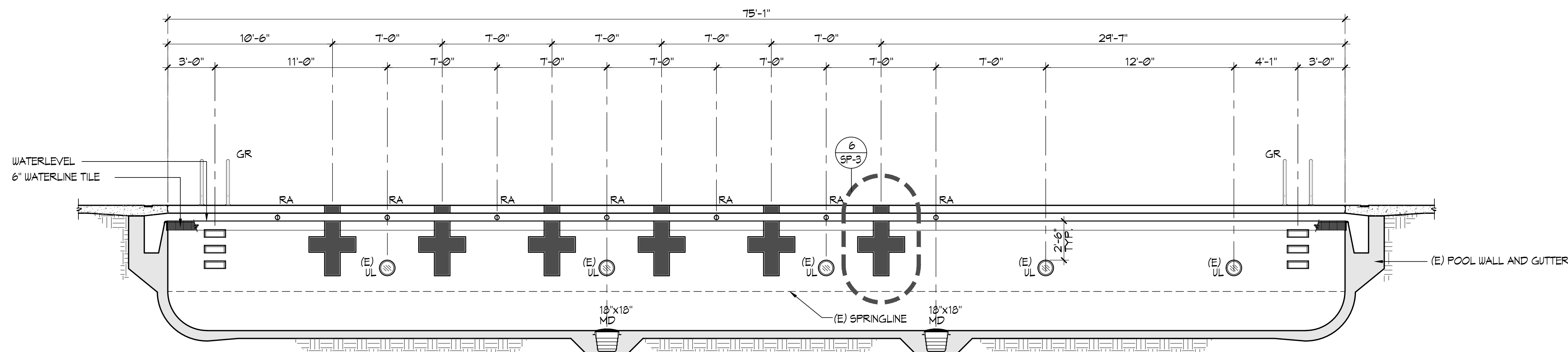
SWIMMING POOL SECTION

1/4" = 1'-0"



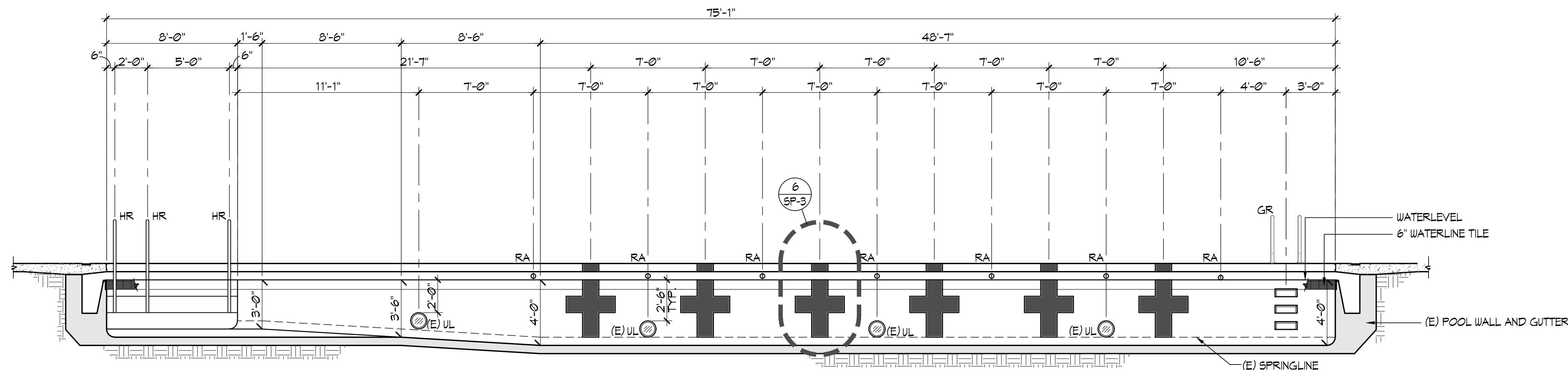
SWIMMING POOL SECTION

1/4" = 1'-0"



SWIMMING POOL SECTION

1/4" = 1'-0"

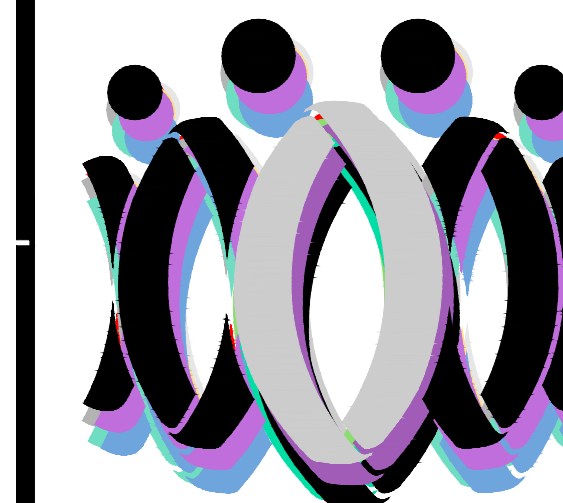


SWIMMING POOL SECTION

1/4" = 1'-0"

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SWIMMING POOL
SECTIONS

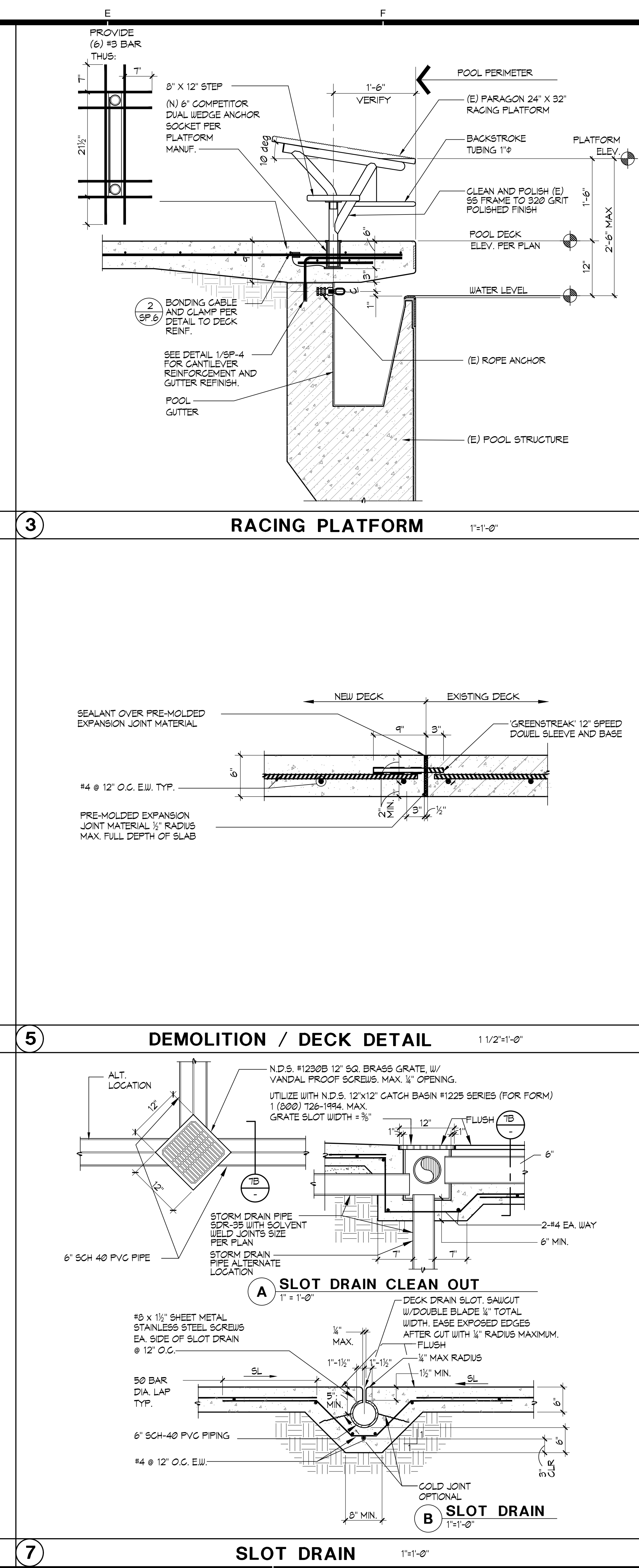
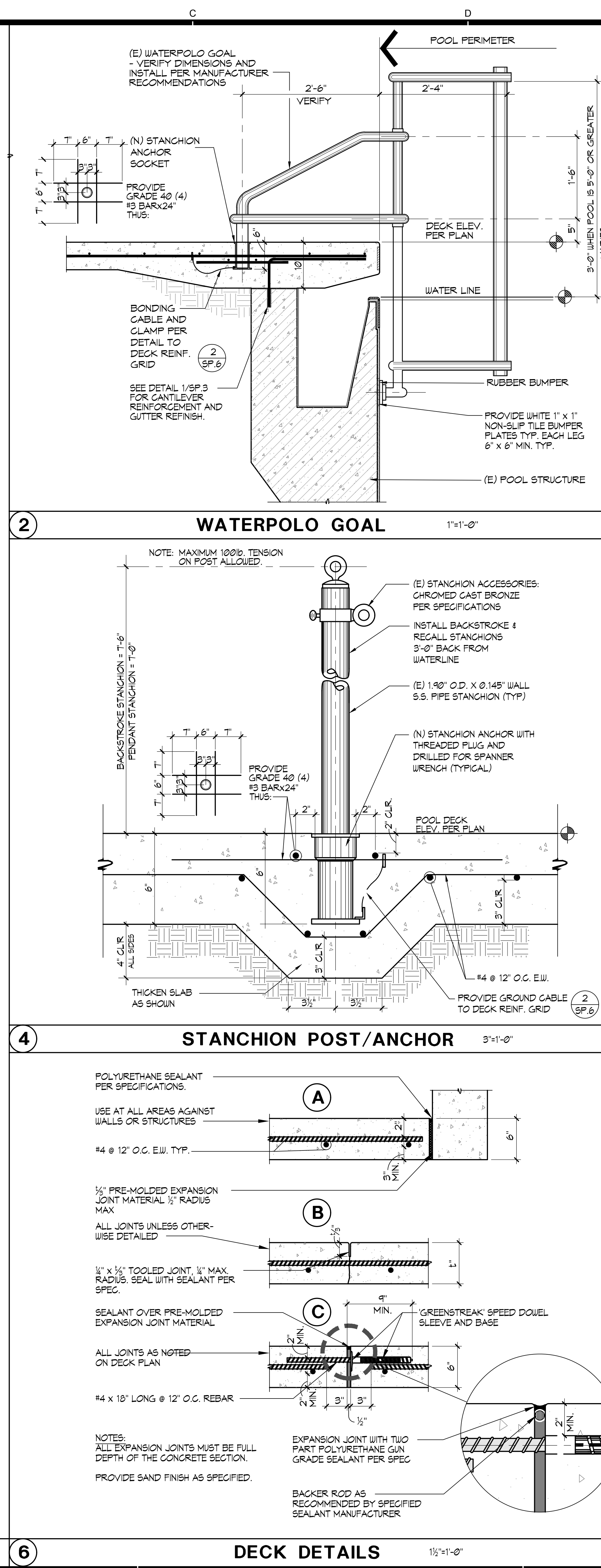
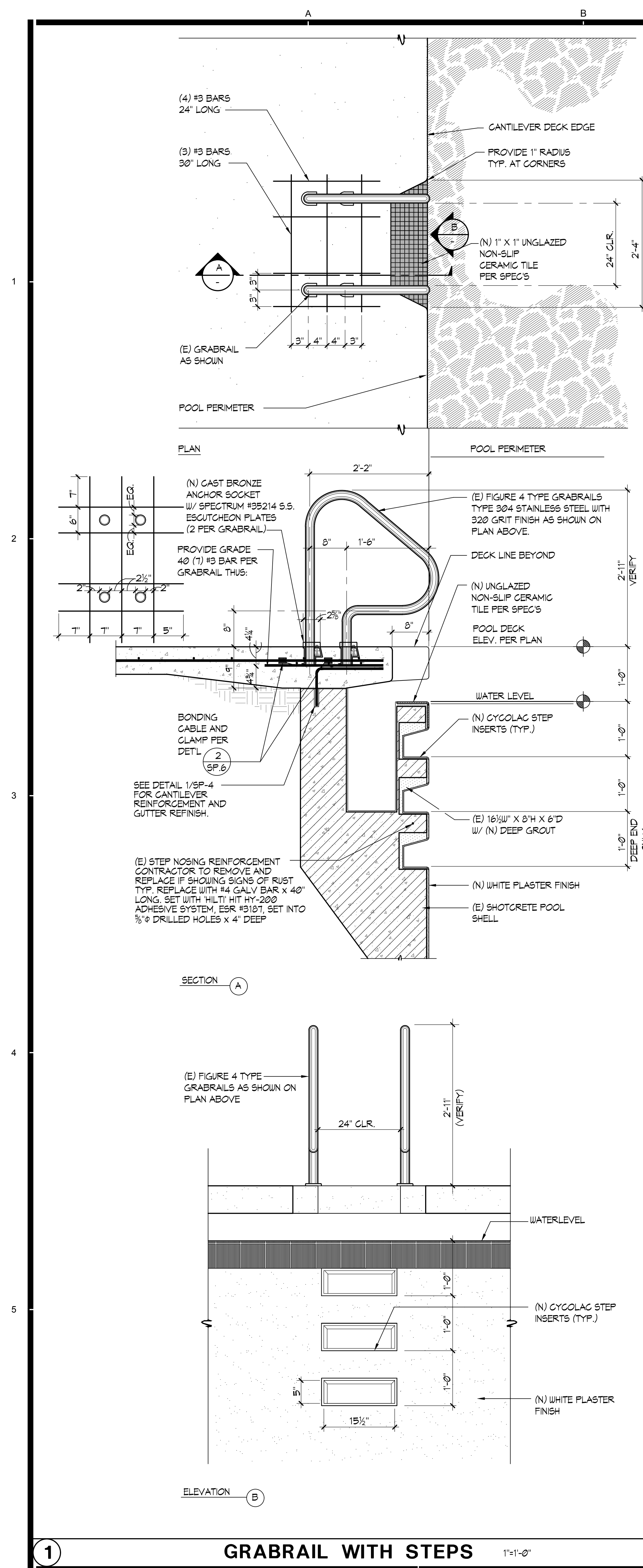
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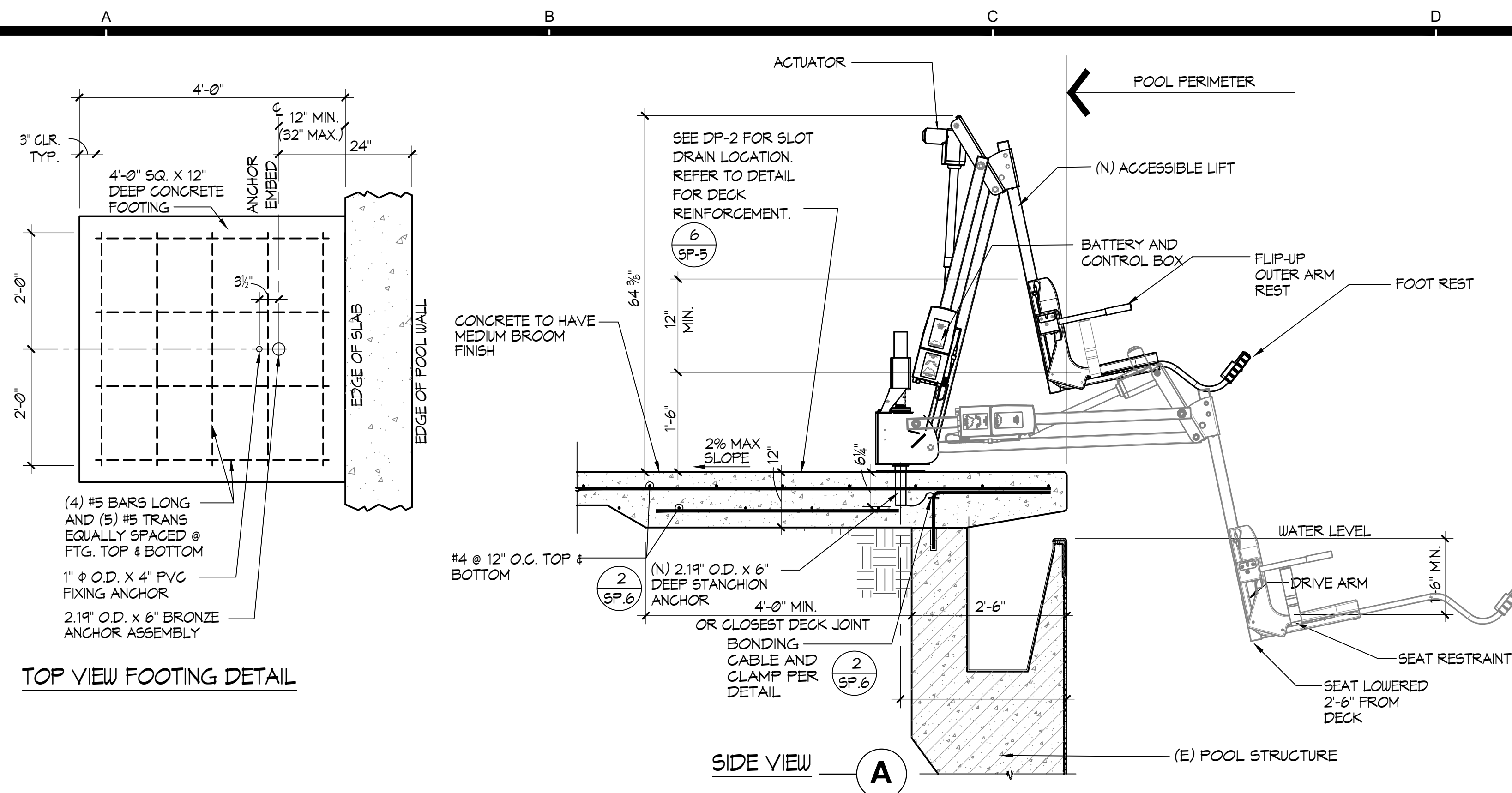
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NOTES:

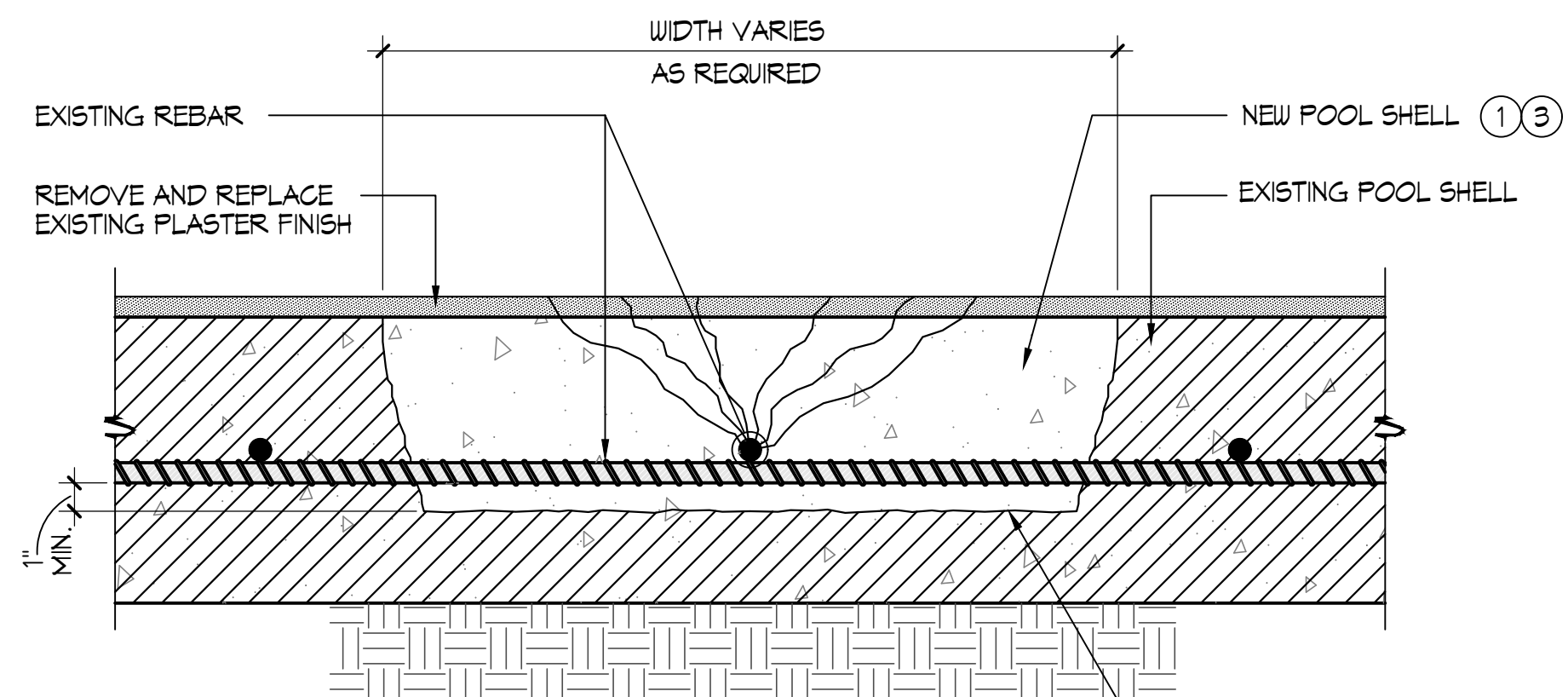
- 'AQUA CREEK' MIGHTY 400 #F-MTY400 (400 LB. MAX. LIFTING CAPACITY)
- GUSSET COVER PLATE TO BE ATTACHED REQUIRING A TOOL FOR REMOVAL.
- CONTRACTOR SHALL PROVIDE COVER FOR LIFT 'AQUA CREEK' MIGHTY #F-MTLCG (GRAY), EXTRA BATTERY PACK 'AQUA CREEK' #F-004ABV (VITO), TRANSPORTER CART 'AQUA CREEK' #F-MTTC, AND 'AQUA CREEK' SCOUT/MIGHTY STANDARD ANCHOR SOCKET #F-002SA.
- PROVIDE 'AQUA CREEK' CHARGER # F-044CH.
- 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)
- 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)
- 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)
- THE SEAT SHALL BE RIGID AND SHALL HAVE A BACK SUPPORT THAT IS AT LEAST 12" TALL. 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. THE SEAT SHALL HAVE A RESTRAINT FOR THE USE OF THE OCCUPANT WITH OPERABLE PARTS COMPLYING WITH SECTION 11B-309. (CBC SECTION 11B-1009.2.4)
- THE SEAT SHALL BE 16" WIDE MINIMUM. (CBC SECTION 11B-1009.2.5)
- 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)
- 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)
- 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)
- SINGLE PERSON POOL LIFTS SHALL HAVE WEIGHT CAPACITY OF 300 POUNDS MIN. AND BE CAPABLE OF SUSTAINING A STATIC LOAD OF AT LEAST ONE AND A HALF TIME THE RATED LOAD. (CBC SECTION 11B-1009.2.9)

ACCESSIBLE LIFT DETAIL

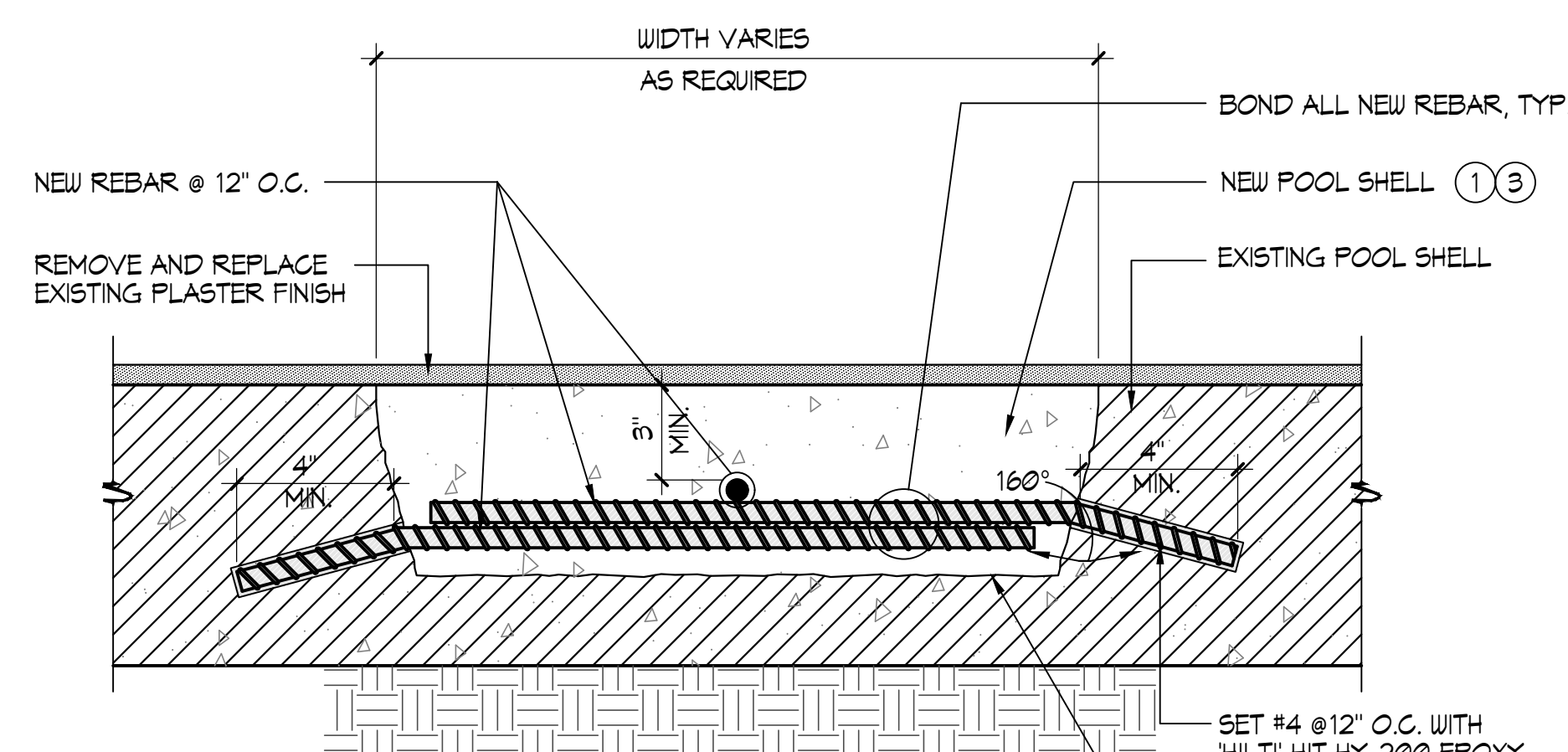
3/4"=1'-0"

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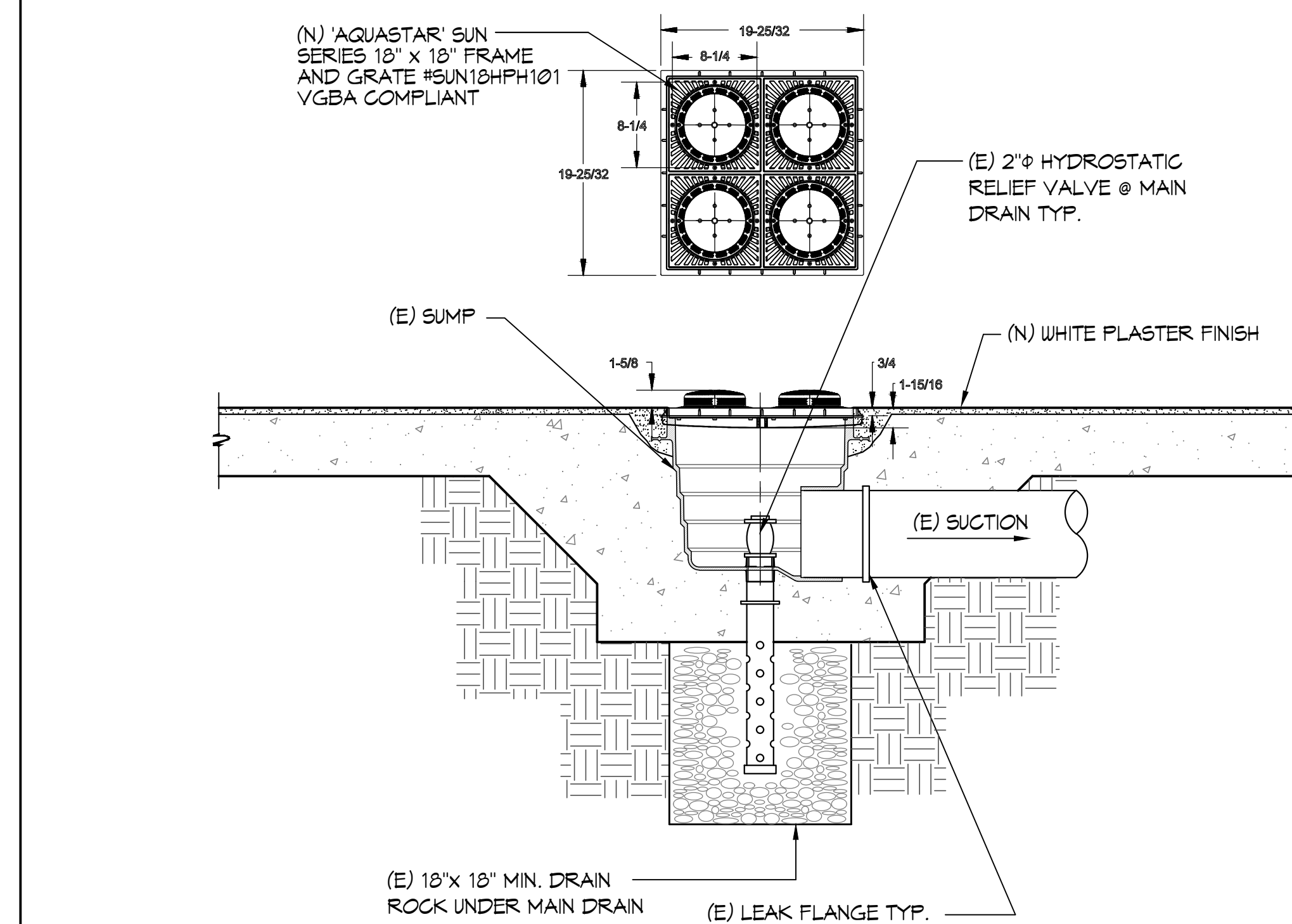
- CHIP OUT AND REMOVE CONCRETE IN DESIGNATED REPAIR AREAS TO EXPOSE REBAR. PROVIDE 1" MIN. CLEARANCE UNDER THE REBAR.
- SANDBLAST AND CLEAN EXPOSED REBAR TO REMOVE RUST/LAINTANCE. PAINT REBAR WITH ZINC RICH GALVANIZING COMPOUND PAINT.
- PLACE HIGH STRENGTH NON-SHRINK GROUT TO RESTORE POOL SHELL TO ORIGINAL SURFACE LEVEL. ANY OTHER IMPERFECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO INSTALLING A NEW PLASTER FINISH.
- IF THE EXISTING CORRODED REBAR IS 10% SMALLER IN DIAMETER AFTER CLEANING, CLEANLY CUT OUT DAMAGED REBAR AND PROVIDE REPLACEMENT REBAR TO MATCH MATERIAL AND SIZE OF EXISTING REBAR.



A RUSTED REBAR REPAIR

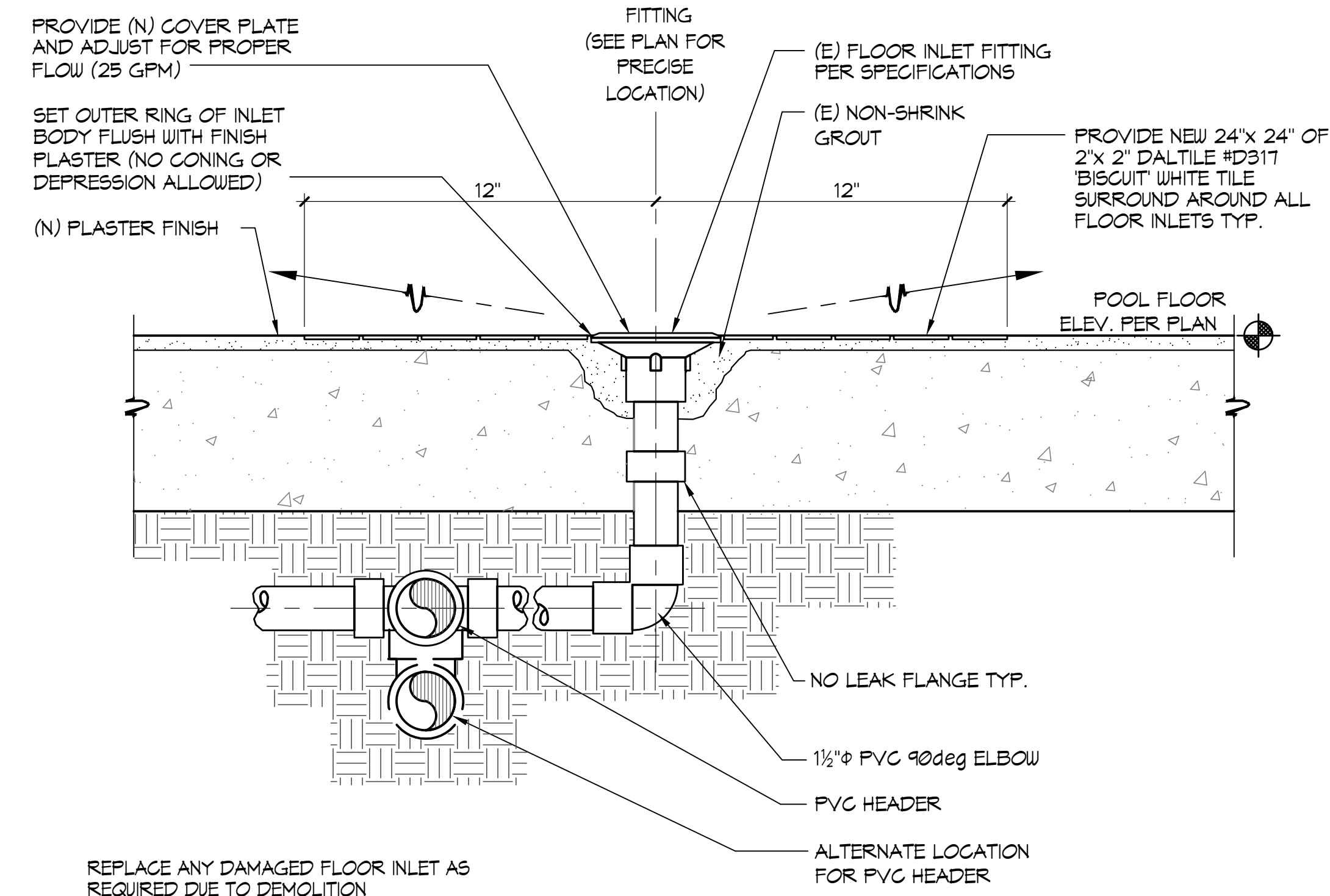


B COMPROMISED REBAR REPLACEMENT



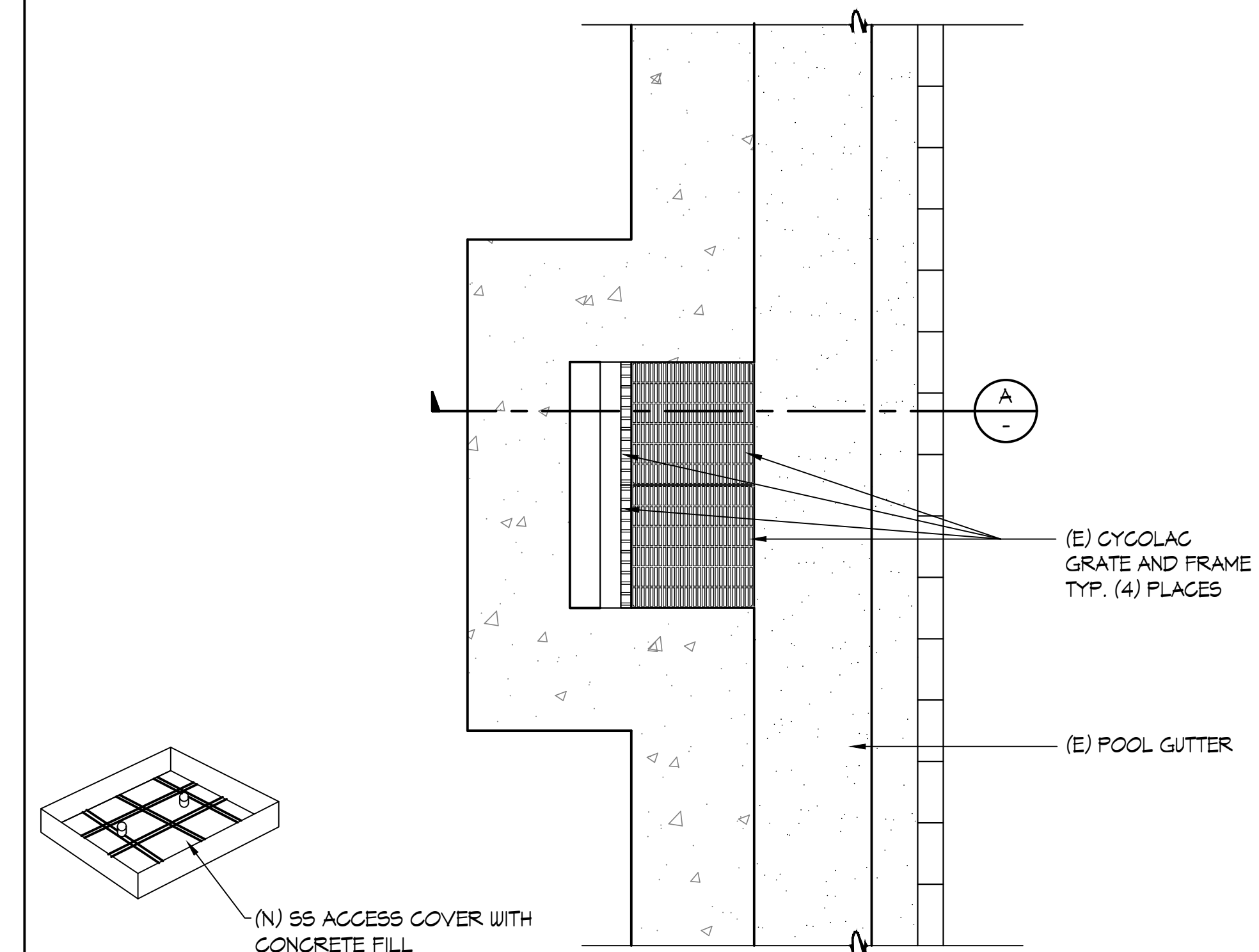
3 MAIN DRAIN

1"=1'-0"

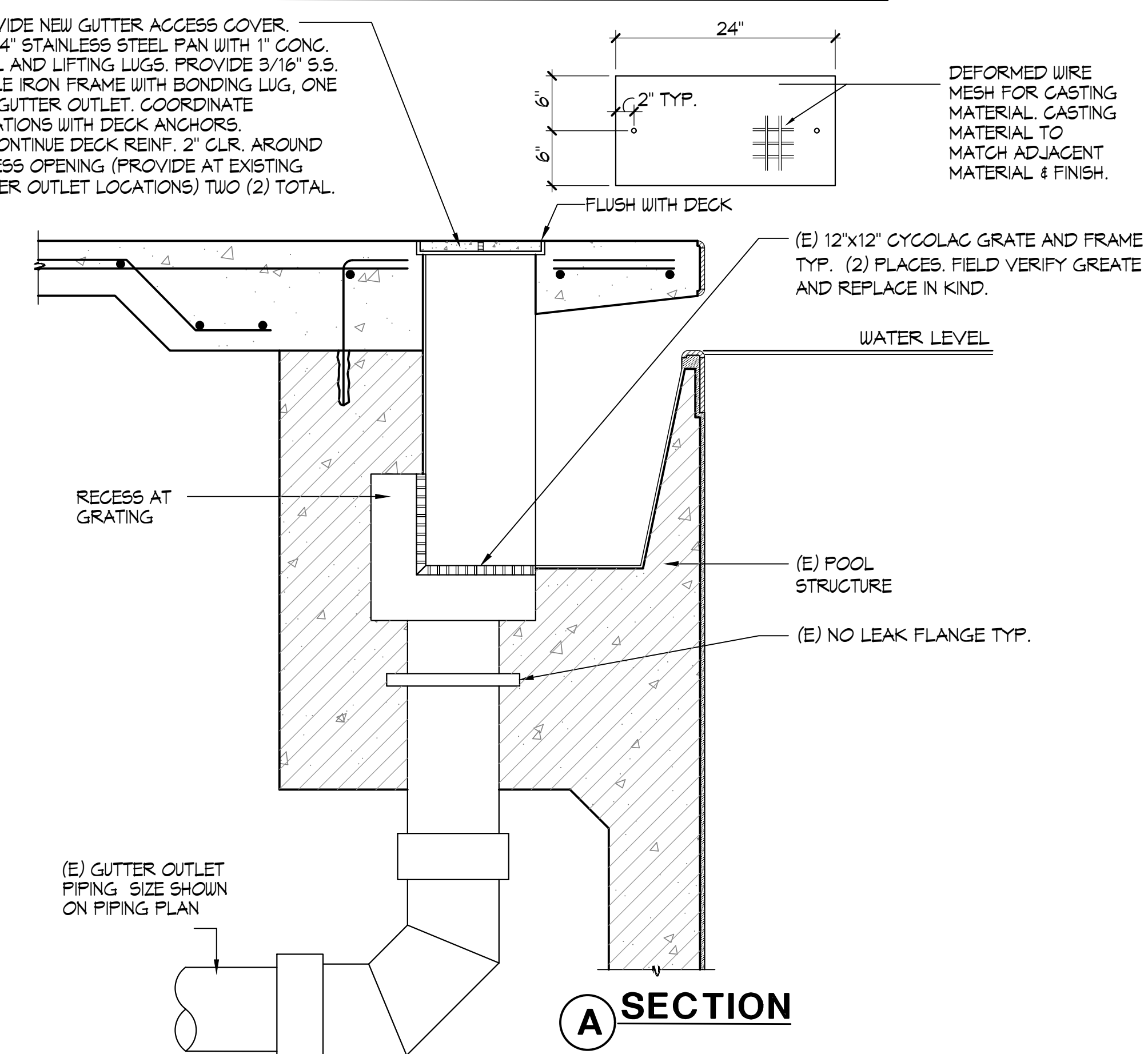


4 (E) FLOOR INLET

3/4"=1'-0"



PLAN VIEW WITH DECK REMOVED



5 GUTTER OUTLET

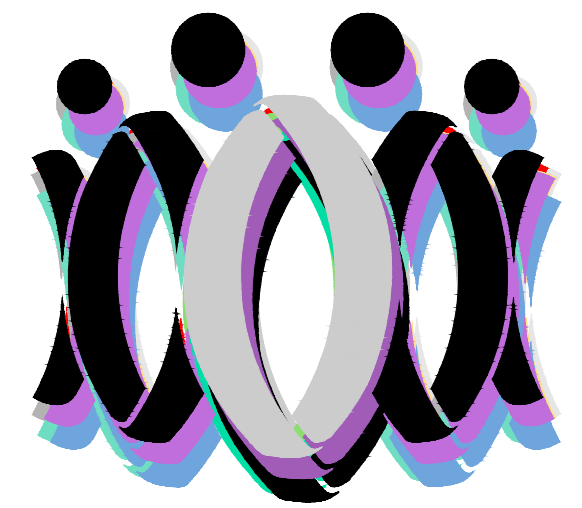
1"=1'-0"

2 REBAR REPAIR / REPLACEMENT DETAILS

3/4"=1'-0"

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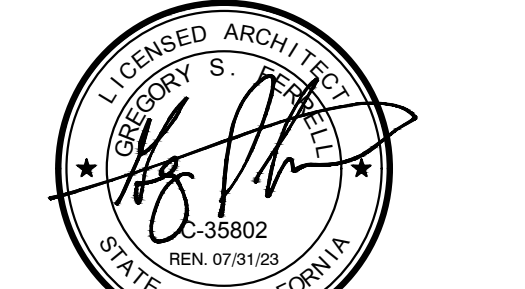
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DETAILS

Job No. 2986.0000

Date 11-18-2022

SP.5

MECHANICAL ANCHORAGE

1. EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB TZ 2 (ICC ESR-4266) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
2. EXPANSION OR WEDGE ANCHORS INTO MASONRY: HILTI KB TZ 2 (ICC ESR-4561) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
3. UNDERCUT ANCHORS INTO CONCRETE: HILTI HDA (ICC ESR-1546) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
4. HEAVY DUTY SLEEVE ANCHORS INTO CONCRETE: HILTI HSL-3 (ICC ESR-1545) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
5. FASTENERS SHALL BE STAINLESS STEEL.
6. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOUEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOUEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE STRUCTURAL ENGINEER WILL DETERMINE A NEW LOCATION.
7. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.
8. ANCHORS SHALL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY.
9. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
10. APPLY TEST LOAD BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION OF THE ANCHOR SUCH AS DIRECT PULL WITH A HYDRAULIC JACK, TORQUE WRENCH, OR CALIBRATED SPRING LOADING DEVICES, ETC.
11. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY A BASE PLATE OR OTHER FIXTURE. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE THE FIXTURE PRIOR TO TESTING.
12. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM EMBEDMENT OF ANCHORS AS SHOWN IN TABLES BELOW.
13. TEST 50% OR ALTERNATE BOLTS IN A GROUP, INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP OF ANCHORS PER ONE OF THE FOLLOWING METHODS AND IN ACCORDANCE WITH CBC 1910A.5.3
- A. HYDRAULIC RAM METHOD: APPLY PROOF TEST LOAD WITHOUT REMOVING THE NUT. IF IT IS NOT POSSIBLE TO TEST WITH THE NUT INSTALLED, REPLACE THE NUT WITH A THREADED COUPLER TO THE LOAD. ANCHOR IS ACCEPTABLE IF NO MOVEMENT IS OBSERVED FOR A MIN. OF 15 SECONDS AT THE TEST LOAD (CBC 1910A.5.3). MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.
- B. TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICATED IN THE TABLE WITH ONE-HALF TURN OF THE NUT.
14. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE TESTS PASS, THEN RESUME INITIAL TESTING FREQUENCY.

HEATER/GAS PIPING INSTALLATION NOTE

GAS FIRED POOL HEATER(S) INSTALLED ON A GAS SUPPLY SYSTEM UTILIZING A 2 PSI OR 5 PSI SUPPLY. GAS PRESSURE SHALL REQUIRE A REGULATOR TO REDUCE THE SUPPLY PRESSURE. A PROPERLY SIZED AND INSTALLED LOCK-UP-TYPE HIGH GAS PRESSURE REGULATOR (HGPR) SHALL BE USED TO REDUCE THE GAS PRESSURE AT THE UNIT INLET TO A MINIMUM OF 4" TO A MAXIMUM OF 11" WATER COLUMN.

LOCHINVAR RECOMMENDS THAT ANY REQUIRED LINE LOCK-UP-TYPE HIGH GAS PRESSURE REGULATOR BE INSTALLED WITH A MINIMUM OF 8 FEET TO 10 FEET OF PIPE FROM ITS DISCHARGE TO THE UNIT'S GAS INLET. IF A STRAIGHT DISTANCE OF GAS PIPE IS NOT AVAILABLE THE ADDITION OF A VERTICAL 'U' IN THE GAS PIPING DOWN STREAM FROM THE HGPR CAN BE USED TO ACHIEVE THE 8 FEET TO 10 FEET OF DISTANCE.

CONTRACTOR IS RESPONSIBLE FOR HEATER VENTING, EXHAUST DUCTING, FLUE TERMINUS AND PENETRATION(S) THROUGH BUILDING STRUCTURE.

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 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. 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.
3. 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 IS 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 THE 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:

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. 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 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 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, 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 2013 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):

☒ MD ☐ PP ☐ E

1. SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) OPM #0049-13 & #0052-13.

NEW EQUIPMENT LIST

- 1 SWIMMING POOL STRAINER: MER-MADE F.O. SERIES FRP REDUCING BASKET STRAINER: ONE (1) 8"X8" STANDARD, WITH ACRYLIC LID AND TWO (2) STAINLESS STEEL STRAINERS EA. (150lbs.)
- 2 SWIMMING POOL CIRCULATION PUMP: PACO #409B-7, 4"X5"X9.35" TYPE LC END SUCTION CENTRIFUGAL PUMP, 1760 RPM 460V, 3PH, 20HP, RATED AT 840 GPM @ 60 FT. TDH, 80% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, PACO, 'AQUAS' OR EQUAL (425 lbs.) PROVIDE 5805 EKO-FLEX PUMP CONTROL SYSTEM VARIABLE SPEED DRIVE MODEL 5FC5020EF4 SYSTEM 20 5"X4"X14" DEEP COORDINATE MOUNTING LOCATION TO MAINTAIN DESIRED CLEARANCES, 460V 3PH, (126 lbs.) POST REQUIRED FLOW RATE OF 840 GPM ON VARIABLE SPEED DRIVE PANEL. CONNECT TO EXISTING POWER AND INTERLOCK WITH ALL EQ. PER MANUFACTURERS INSTALLATION REQUIREMENT.
- 3 SWIMMING POOL FILTERS: EKO² SYSTEMS GEN 2 EKO-34153-0206-T-4 AUTOMATIC FILTER CONTROL (AFC) FULLY AUTOMATIC H-RATE PERMANENT MEDIA FILTER WITH 612 SQ. FT. OF FILTER AREA RATED AT 918 GPM AT 15 GPM/SQ. FT. COMPLETE WITH 8" FACE PIPING, 6" BACKWASH, SEISMIC ANCHORAGE, PROVIDE ALL UTILITIES, PIPING, VALVING ETC. (3,875 lbs EACH TANK) EKO² SYSTEMS GEN 2 OR EQUAL. PROVIDE SIGNET P51530-X2 FLOSENSOR WITH DIGITAL READ-OUT, ONE (1) SYSTEM TOTAL. CONNECT TO EXISTING POWER AND INTERLOCK WITH ALL EQ. PER MANUFACTURERS INSTALLATION REQUIREMENT.
- 4 SWIMMING POOL HEATER: INDIRECT FIRED POOL HEATING PACKAGE SYSTEM: 'AQUAS' CREST SMARTTOUCH CONTROL CONDENSING MODULATING BOILER, TITANIUM HEAT EXCHANGER WITH CPVC CONNECTIONS, FACTORY ASSEMBLED SKID MOUNTED PACKAGE, CALIFORNIA CODE CONTROLS, 1 1/2" NATURAL GAS CONNECTION, 3" WATER CONNECTIONS, 8" DIAMETER AIR INLET AND 8" DIAMETER VENT SIZE, PVC VENTED, 1,994,000 BTU PER HOUR INPUT, 96.2% EFFICIENT, PROVIDE 3/4" COLD WATER CONNECTION LOCHINVAR AP02000N, WEIGHT = 3,397 lbs. EA. ONE (1) TOTAL. CONNECT TO EXISTING POWER AND INTERLOCK WITH ALL EQ. PER MANUFACTURERS INSTALLATION REQUIREMENT.
- 5 CHLORINE STORAGE/FEED SYSTEM: PROVIDE 'CHEM-TAINER' 500 GALLON #TC591DC, DUAL STORAGE/CONTAINMENT TANK WITH (E) RESTRAINING SYSTEM, OPERATING WEIGHT = (4,165lbs), COMPLIES WITH FED. REG #40CFR-264-119, FEED PUMP SHALL BE LM1 #SD43-80P-KS; 288 GPD @ 100 PSI. TWO (2) TOTAL. PLACE ON EXISTING SHELF, HARD PIPE TO POINT OF INJECTION.
- 6 ACID STORAGE/FEED SYSTEM: PROVIDE 'CHEM-TAINER' 350 GALLON #TC5256DC, DUAL STORAGE/CONTAINMENT TANK WITH LID SEISMICALLY RESTRAINED, OPERATING WEIGHT = (2,915 lbs), COMPLIES WITH FED. REG #40CFR-264-119, PROVIDE 15 GALLON ACID VAPOR RECOVERY SYSTEM, ONE (1) TOTAL. ACID FEED PUMP SHALL BE FEED PUMP SHALL BE LM1 #C121-3625-A; 96 GPD @ 100 PSI. TWO (2) TOTAL. PLACE ON EXISTING SHELF.
- 7 (E) WATER CHEMISTRY CONTROLLER: VERIFY CURRENT CONTROLLER IS IN WORKING ORDER, AND REPLACE IF NEEDED. FOR REPLACEMENT: PROVIDE ETHERNET CONNECTION TO BECOS² CS-BECS SYSTEM-HIGH WATER CHEMISTRY CONTROLLER, PROVIDE COMPLETE SYSTEM CONTROL PACKAGE, BECOS² SYSTEM T, IMPACT, WALLACE & TERNARY OR APPROVED EQUAL. (E) CHEMICAL CONTROLLER TO BE INTERLOCKED TO ALL EQ. PER MANUFACTURERS INSTALLATION REQUIREMENTS.

LEGEND

- BV = BALL VALVE
- BFV = BUTTERFLY VALVE
- CV = CHECK VALVE
- RBPFP = REDUCED PRESSURE BACKFLOW PREVENTOR
- FM = FLOWMETER
- BW = BACKWASH
- FS = FLOOR SINK
- AI = ACID INJECTION
- CI = CHLORINE INJECTION
- PH = PIPE HANGER
- PG/VG = VACUUM / PRESSURE GAUGE
- FD = FLOOR DRAIN
- PS = PIPE SUPPORT

THREE PHASE MOTOR LOADS AT 460V

SWIMMING POOL CIRCULATION PUMP, 20 HP @ 460V = 21 AMPS

GENERAL NOTES

1. THE PIPING SYSTEM SHALL HAVE DIRECTION OF FLOW ARROWS INDICATED ON THE PIPES.
2. PUBLIC POOLS SHALL HAVE A FLOW DIAGRAM OF THE POOL'S PIPING SYSTEM WITH OPERATION INSTRUCTIONS.
3. THE FLOW DIAGRAM AND INSTRUCTIONS SHALL BE AVAILABLE ON THE PREMISES AT ALL TIME
4. ALL PLUMBING SHALL BE SCHEDULE 80 PVC

EPOXY REBAR PULL TESTING LOADS

BAR SIZE	MIN. DEPTH	PRODUCT	TEST VALUE
#4	3" EMBED	HILTI HIT-HY 200 V3 (ICC ESR-4866)	1,050 LBS

INSTALLATION PARAMETERS:

- MINIMUM CONCRETE AGE: 21 DAYS
- DRILLING: HAMMER DRILLED
- TEMPERATURE: 14-114°F
- MOISTURE CONDITION: DRY OR SATURATED
- CLEANING: AUTOMATIC OR COMPRESSED-AIR

WEDGE OR EXPANSION ANCHOR EMBEDMENT DEPTH AND TEST LOAD

SIZE	HILTI KB TZ 2 (55) ANCHORS IN CONCRETE (ESR-4266)		KB TZ 2 (55) ANCHORS IN CMU (ESR-4561)	
	MIN. EMBED (inft)	TORQUE LOAD (FT-LBS)	MIN. EMBED (inft)	TORQUE LOAD (FT-LBS)
1/4" DIA.	1 1/2"	6	1 1/2"	6
3/8" DIA.	2 1/2"	30	2 1/2"	15
1/2" DIA.	3 1/4"	40	3 1/4"	25
3/4" DIA.	4"	60	4"	35
1" DIA.	4 3/4"	125	4 3/4"	50

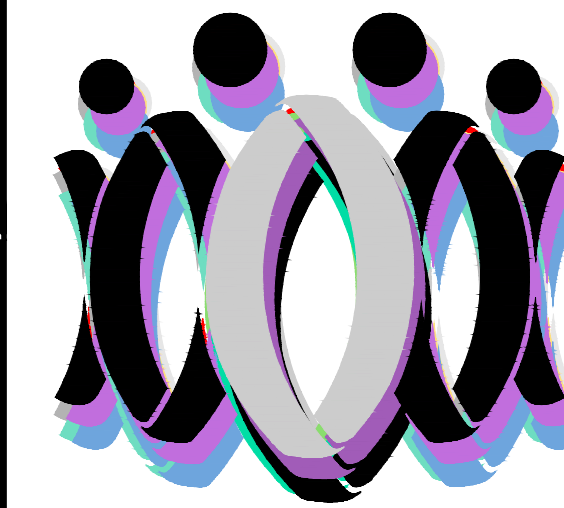
ALL VALUES PER 2019 CBC 1910A.5.4

MECHANICAL ROOM PLAN

3/8" = 1'-0"

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Drawn by NMV

Checked by GSF

Revised by

No. Date Description

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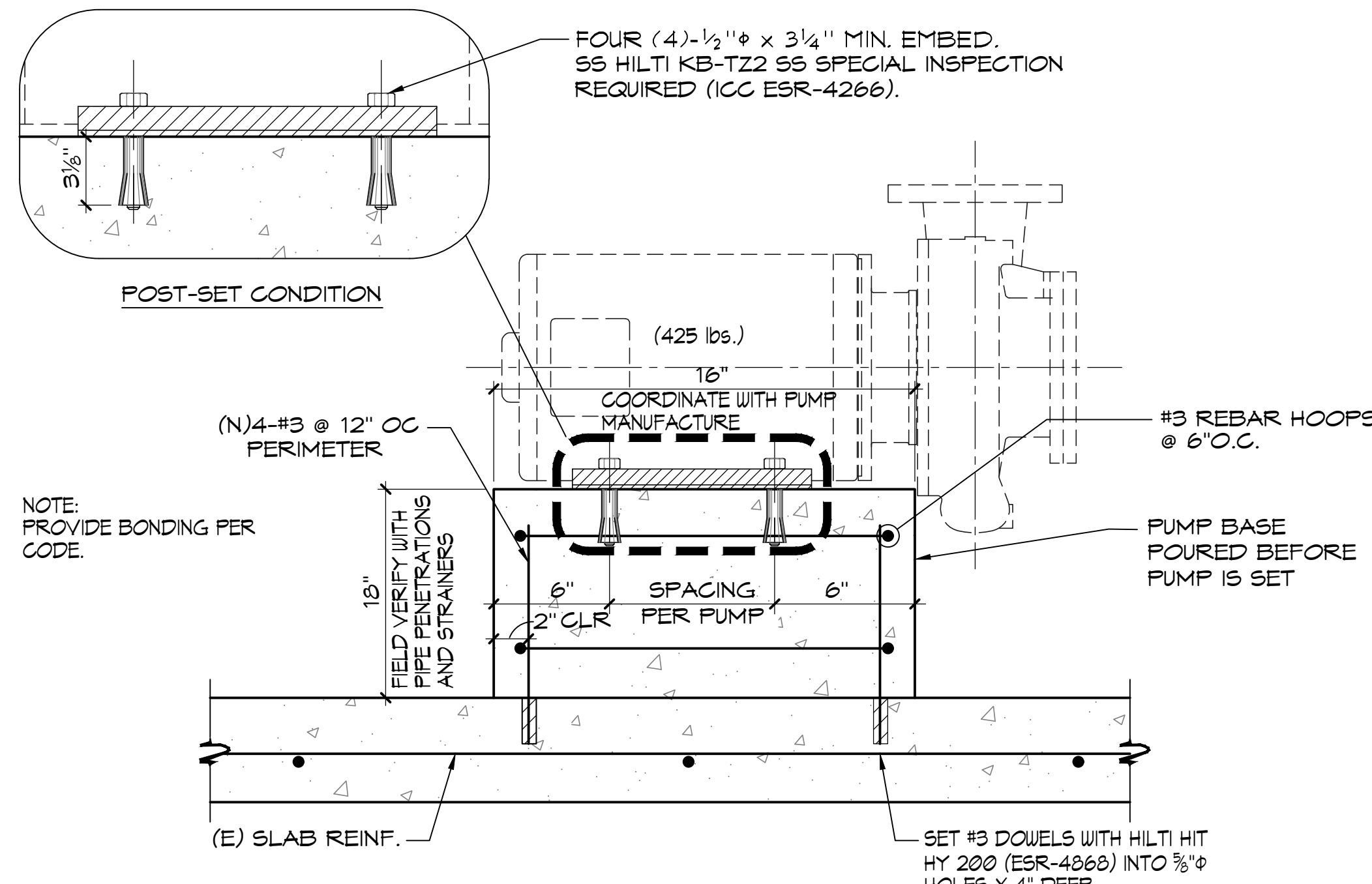
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MECHANICAL ROOM
PLAN

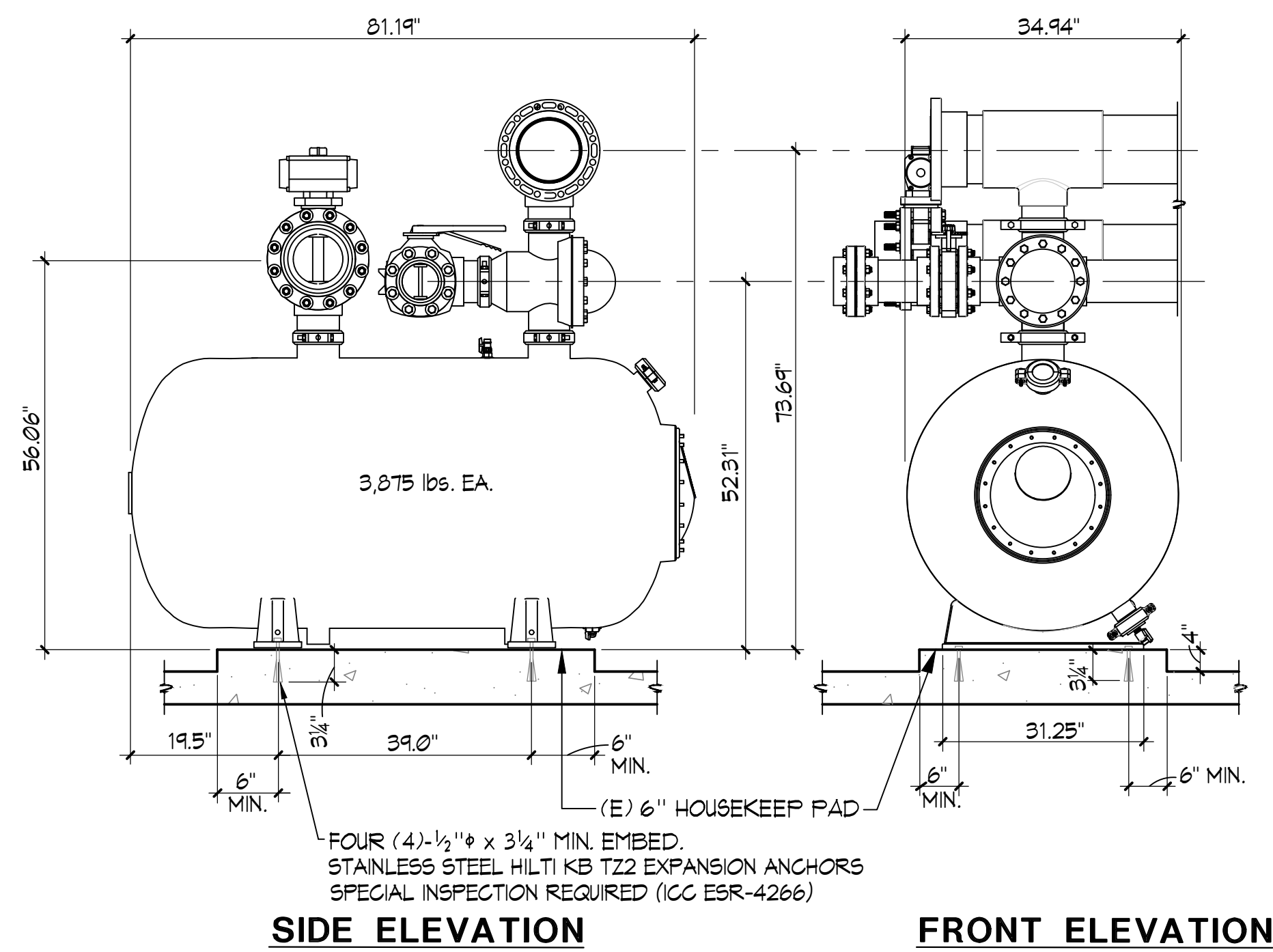
Job No. 2986.0000

Date 11-18-2022

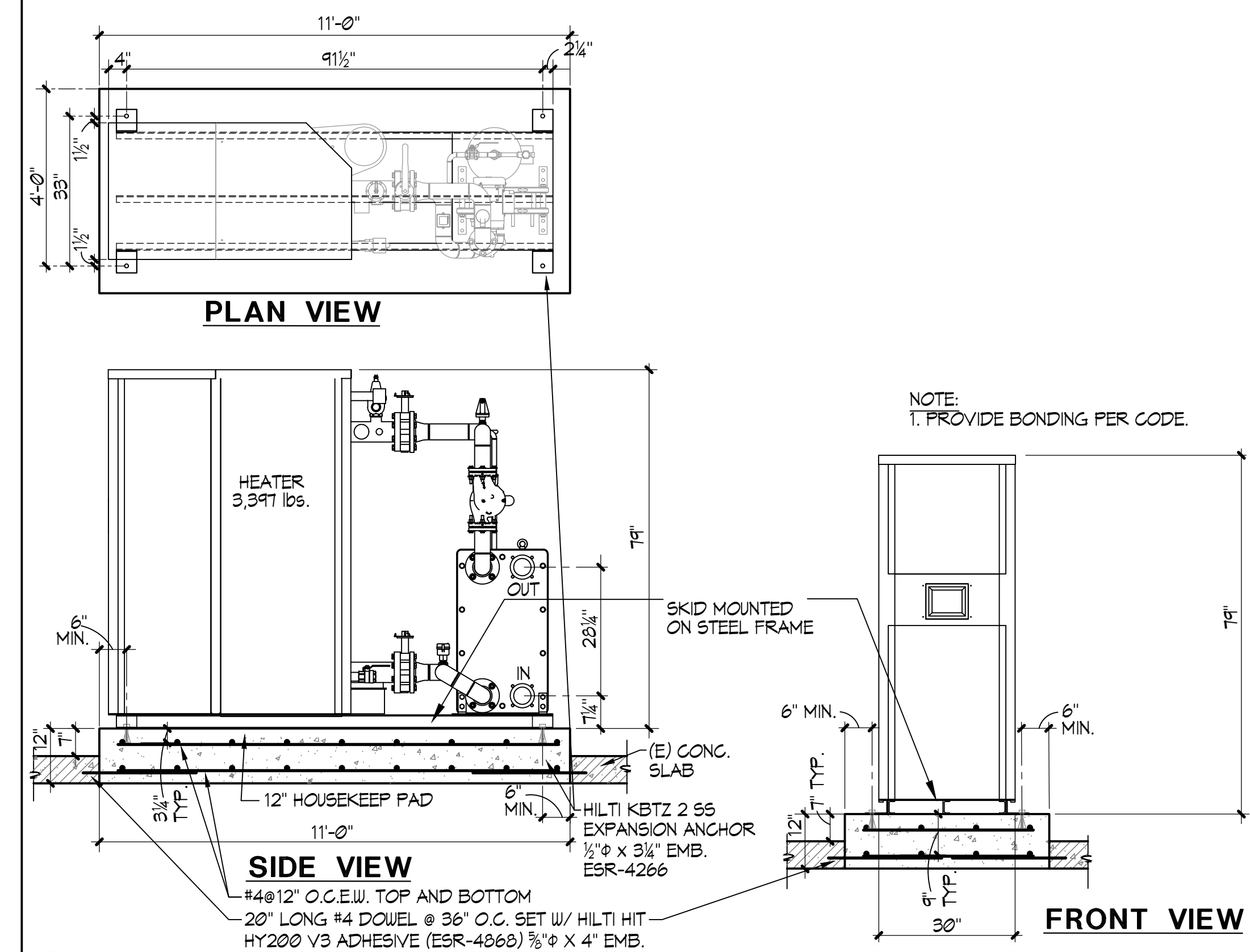
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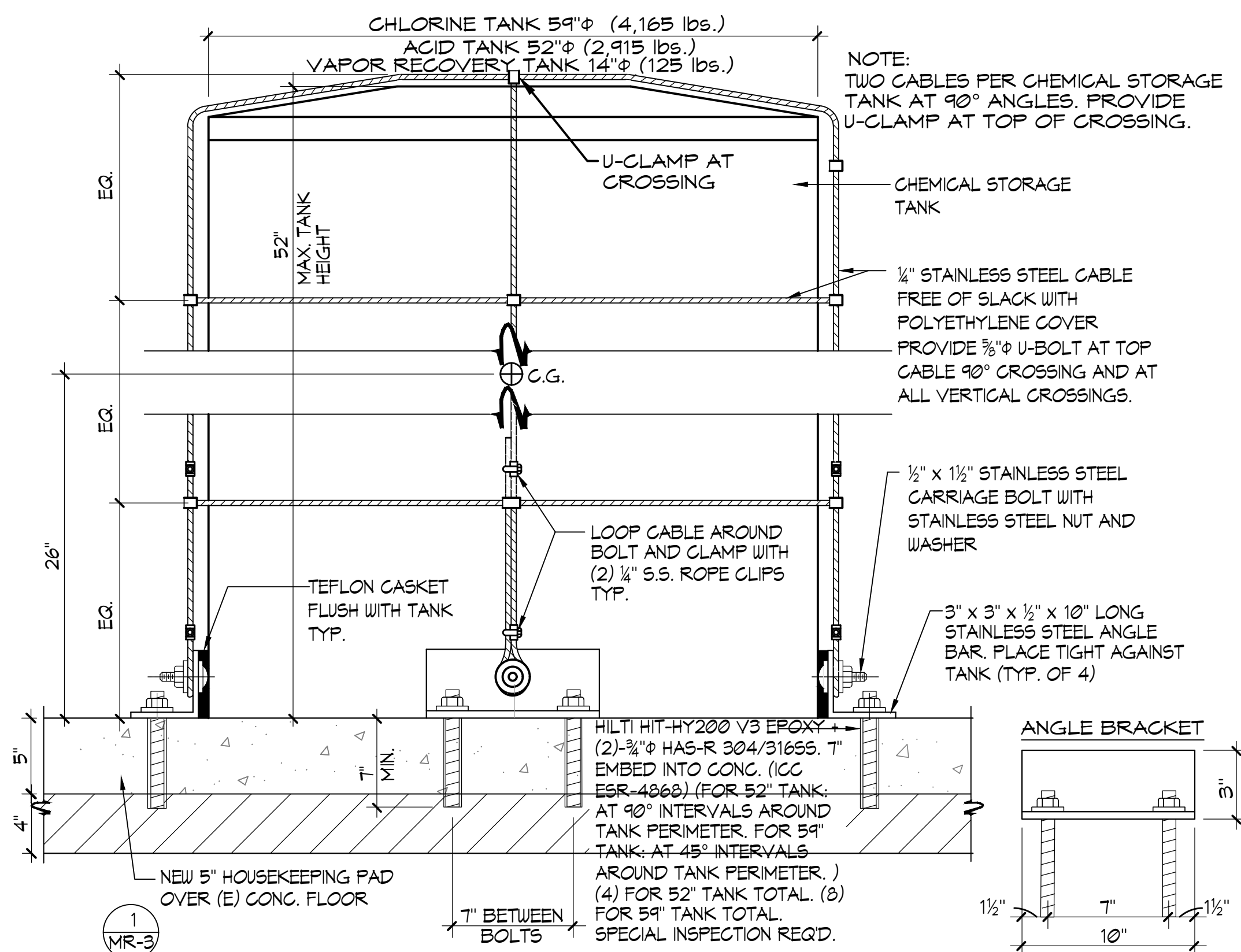
1 (N) PUMP ANCHORAGE NO SCALE



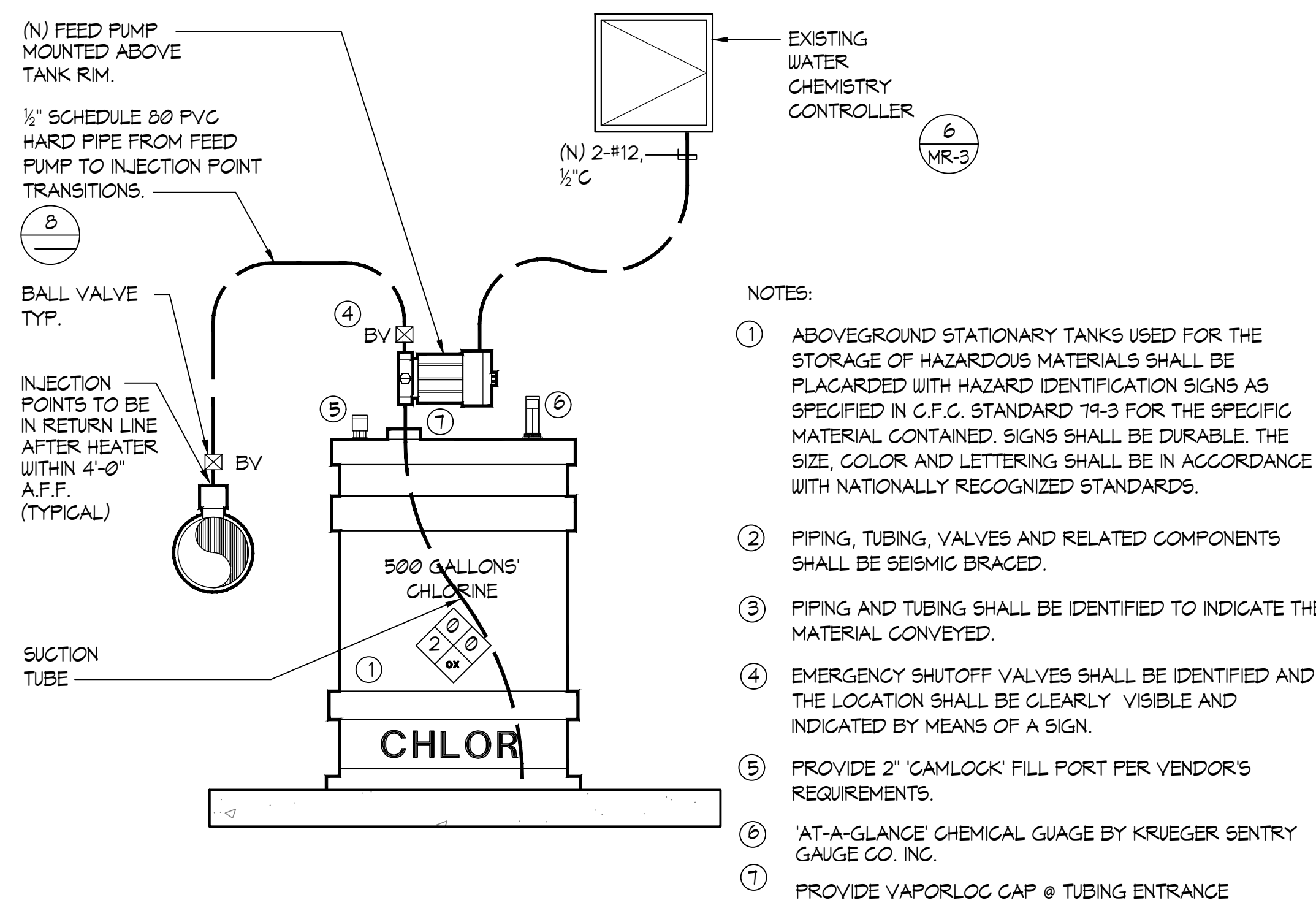
2 (N) FILTER ANCHORAGE NO SCALE



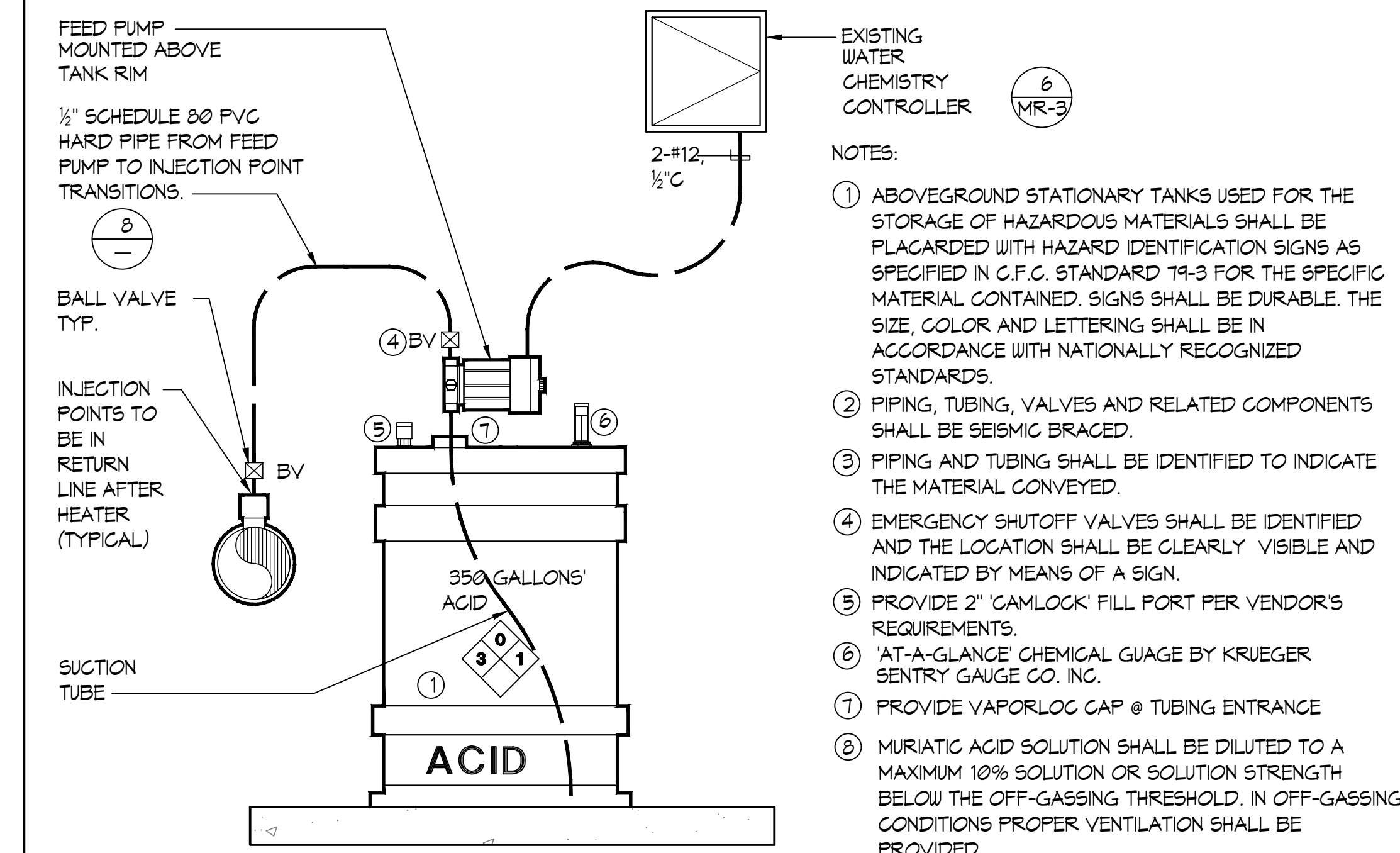
3 (N) HEATER ANCHORAGE 1/2" = 1'-0"



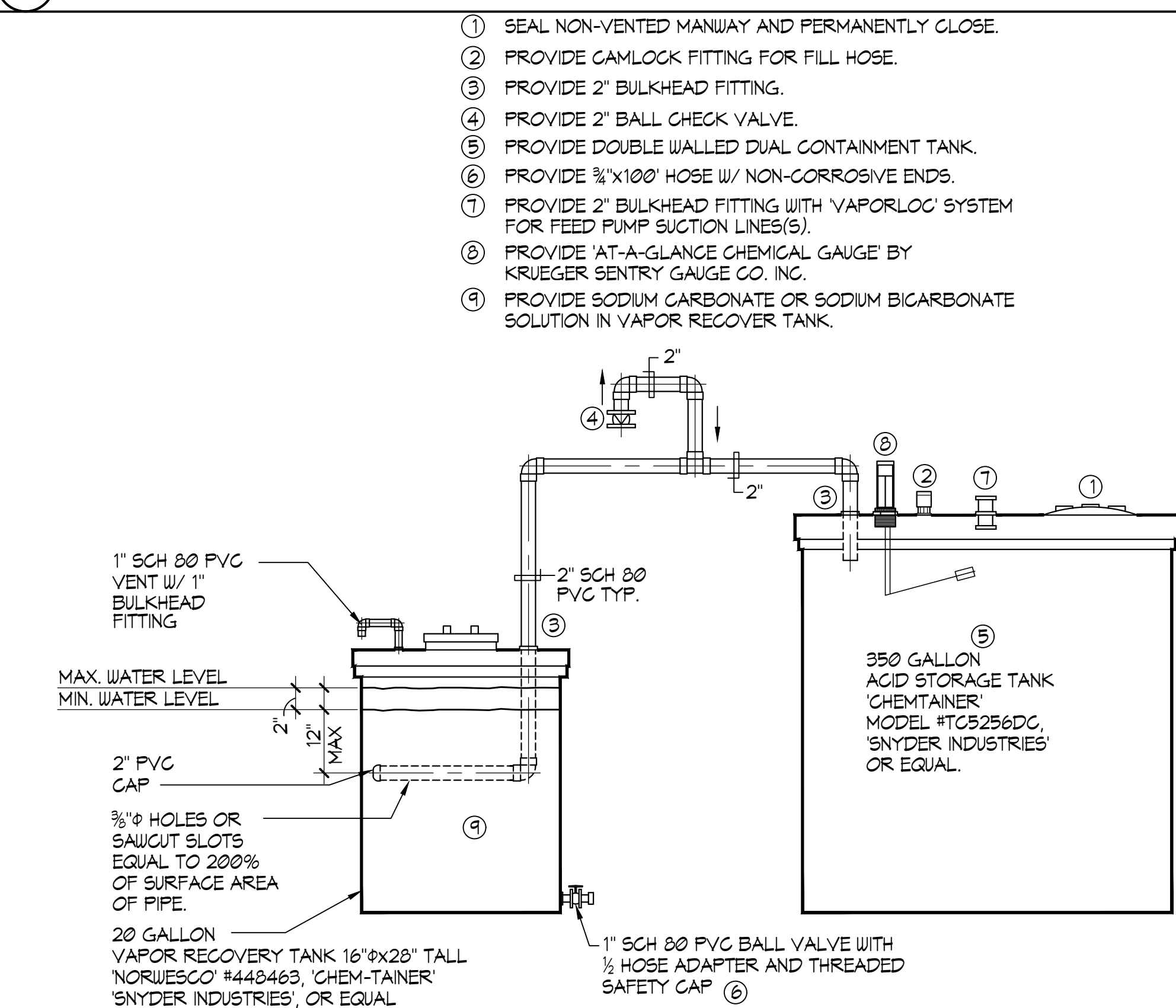
4 (N) CHEMICAL TANK ANCHOR NO SCALE



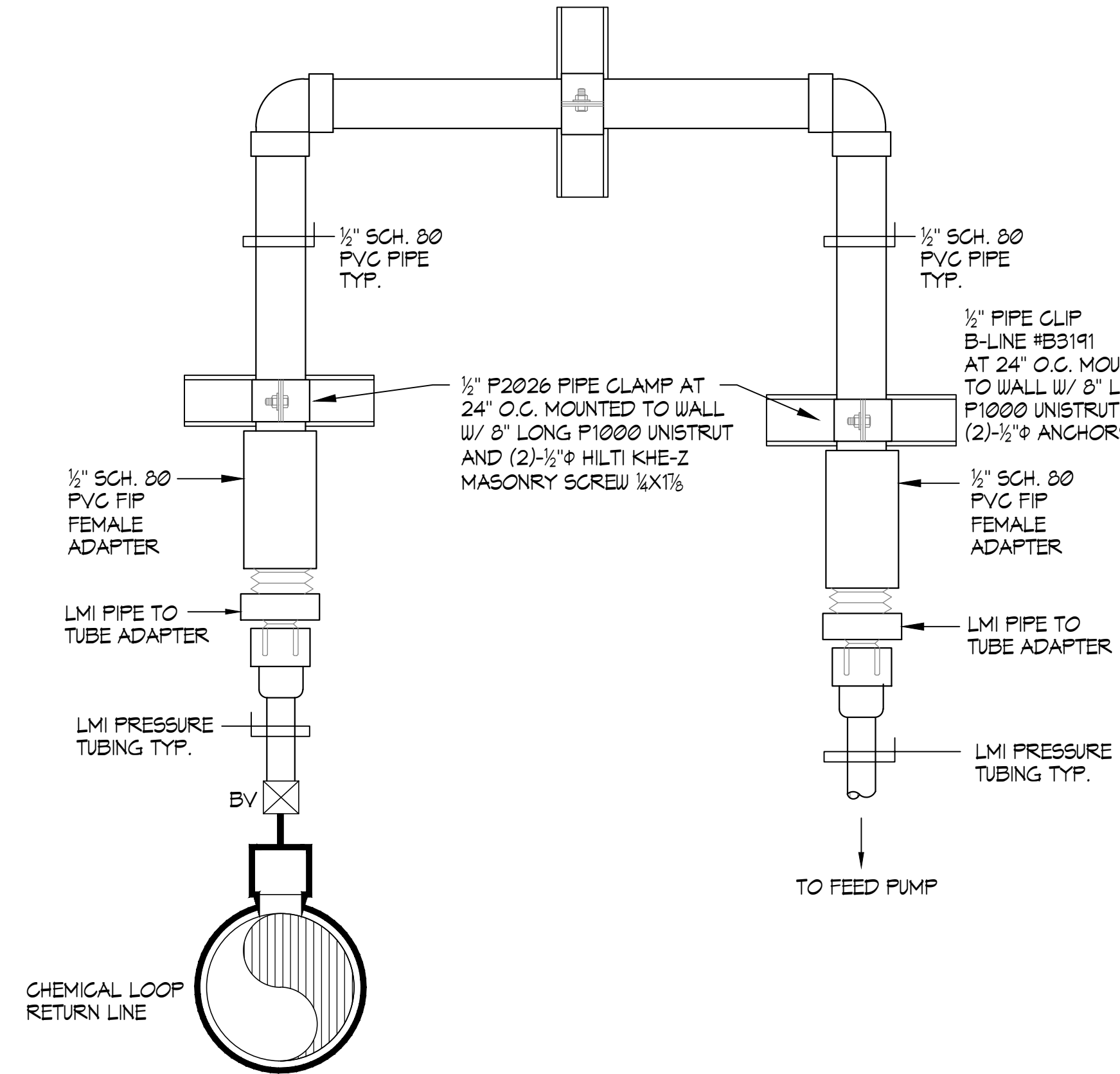
5 (N) SODIUM HYPOCHLORITE FEED SCHEMATIC NO SCALE



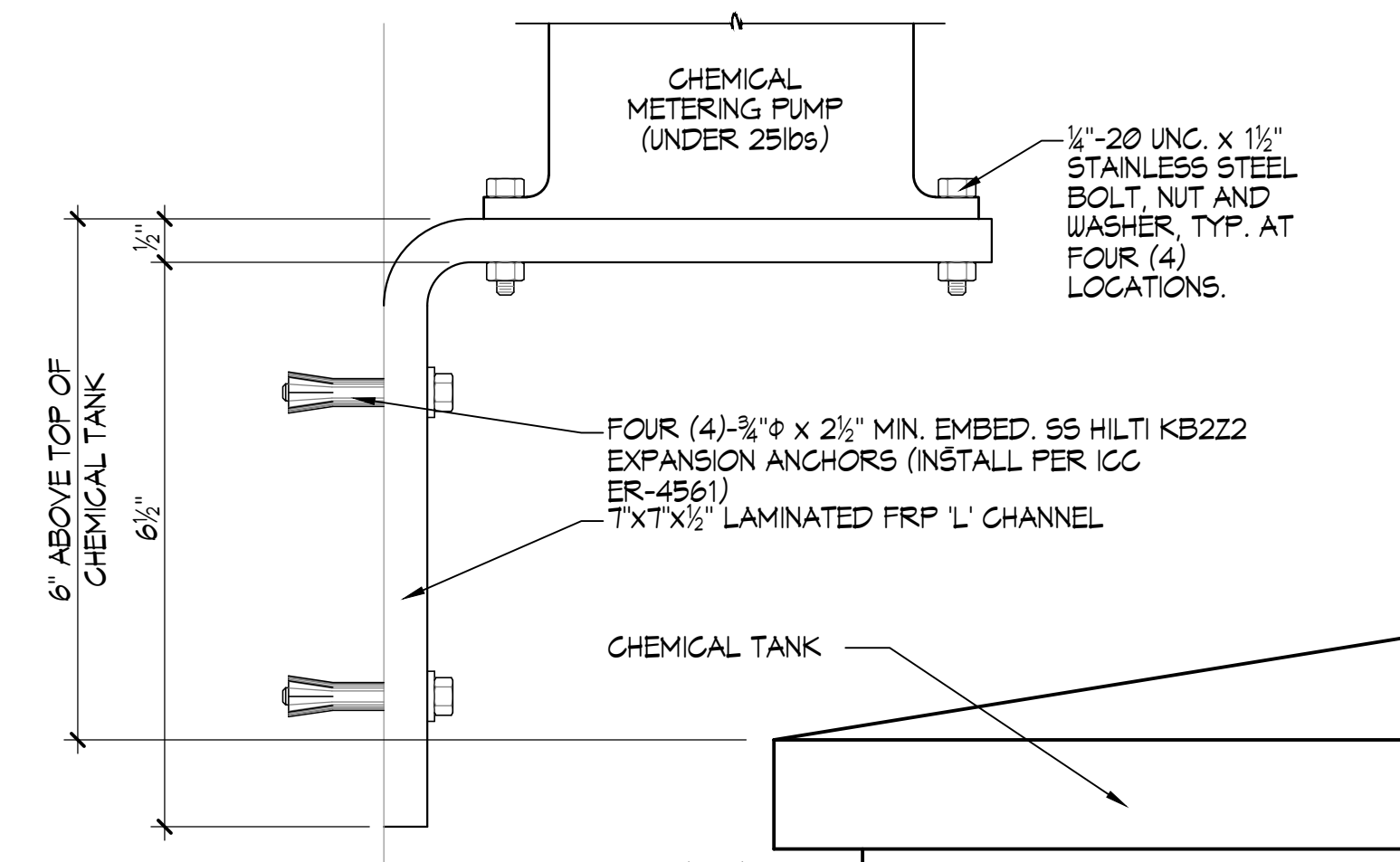
6 (N) MURIATIC ACID FEED SCHEMATIC NO SCALE



7 (N) VAPOR RECOVERY TANK 1/16"=1'-0"



8 (N) CHEMICAL FEED PIPING DETAIL NO SCALE



9 (N) CHEMICAL PUMP SHELF 6"=1'-0"

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DESIGN GROUP
2226 Faraday Ave. Carlsbad, CA 92008
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760.438.8400

DESIGNED BY: NMV
CHECKED BY: GSF

NO. _____ DATE _____ DESCRIPTION _____

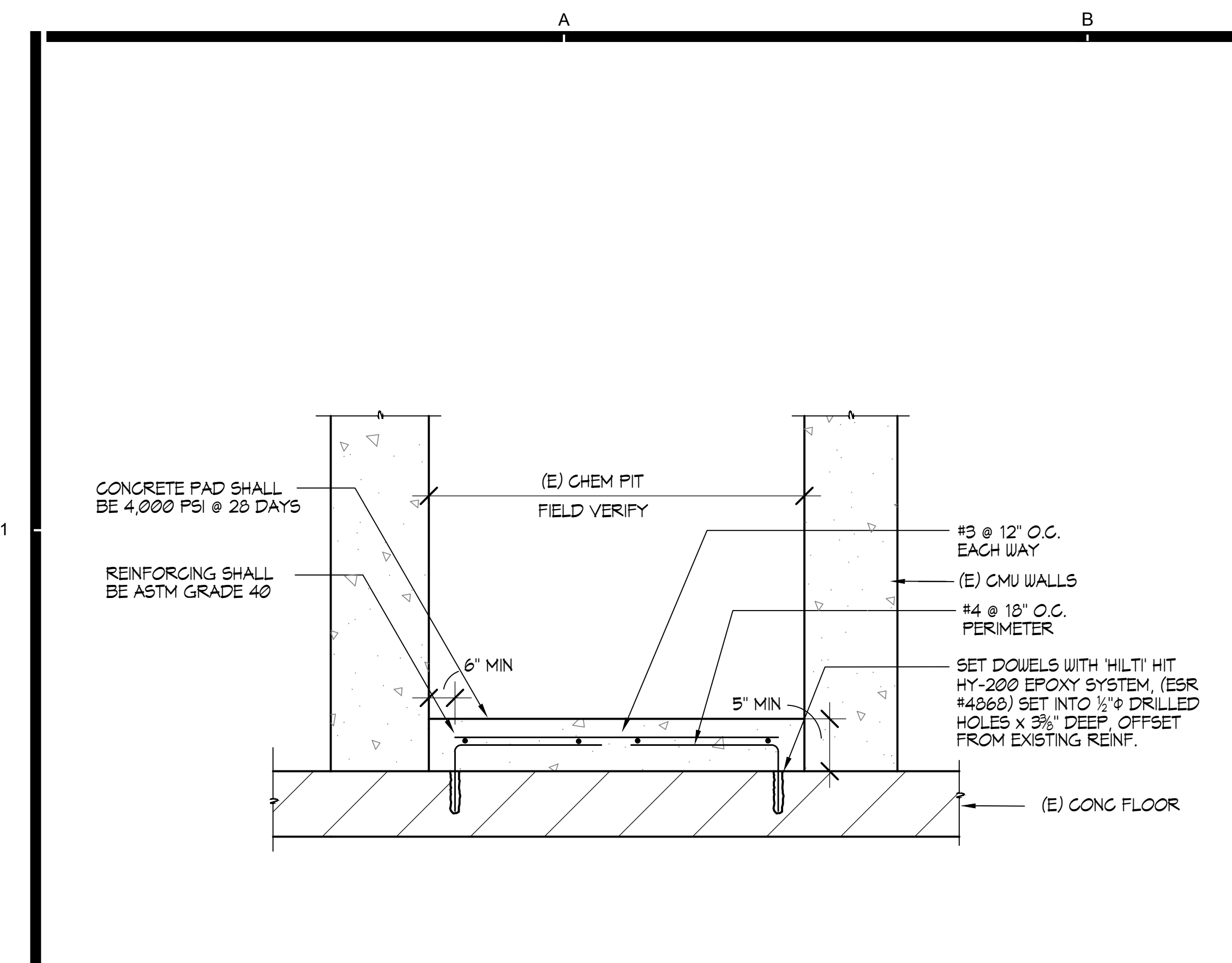
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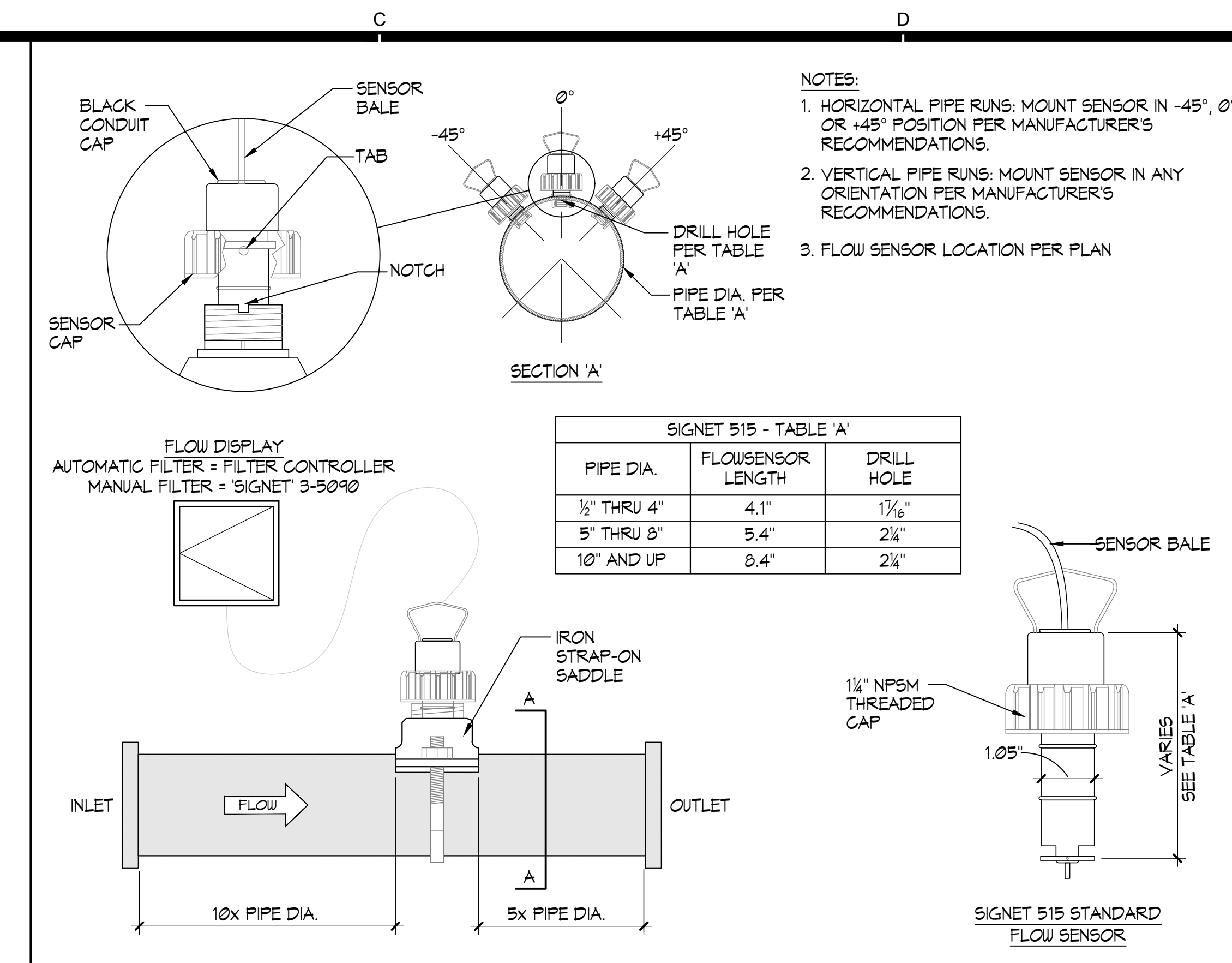
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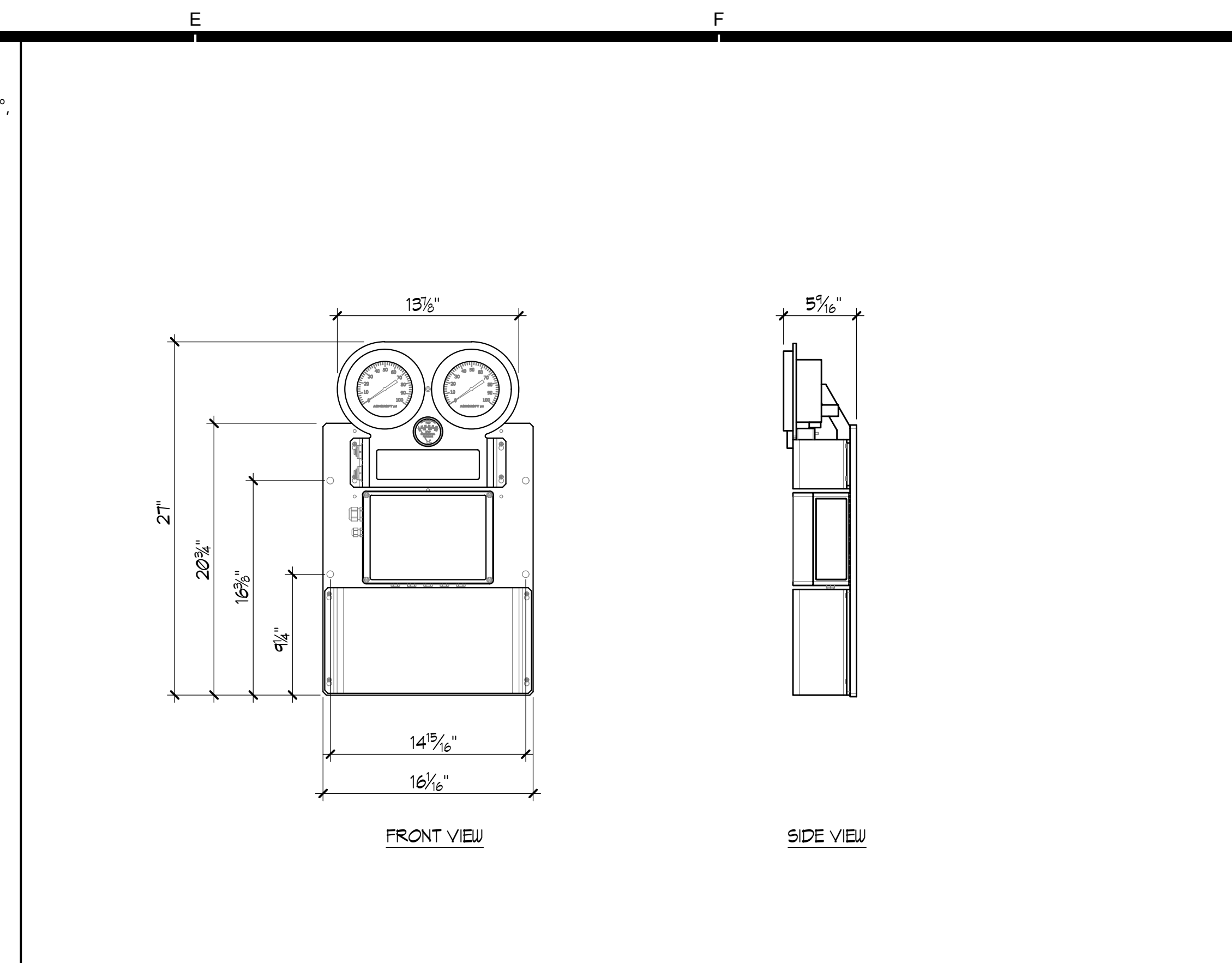
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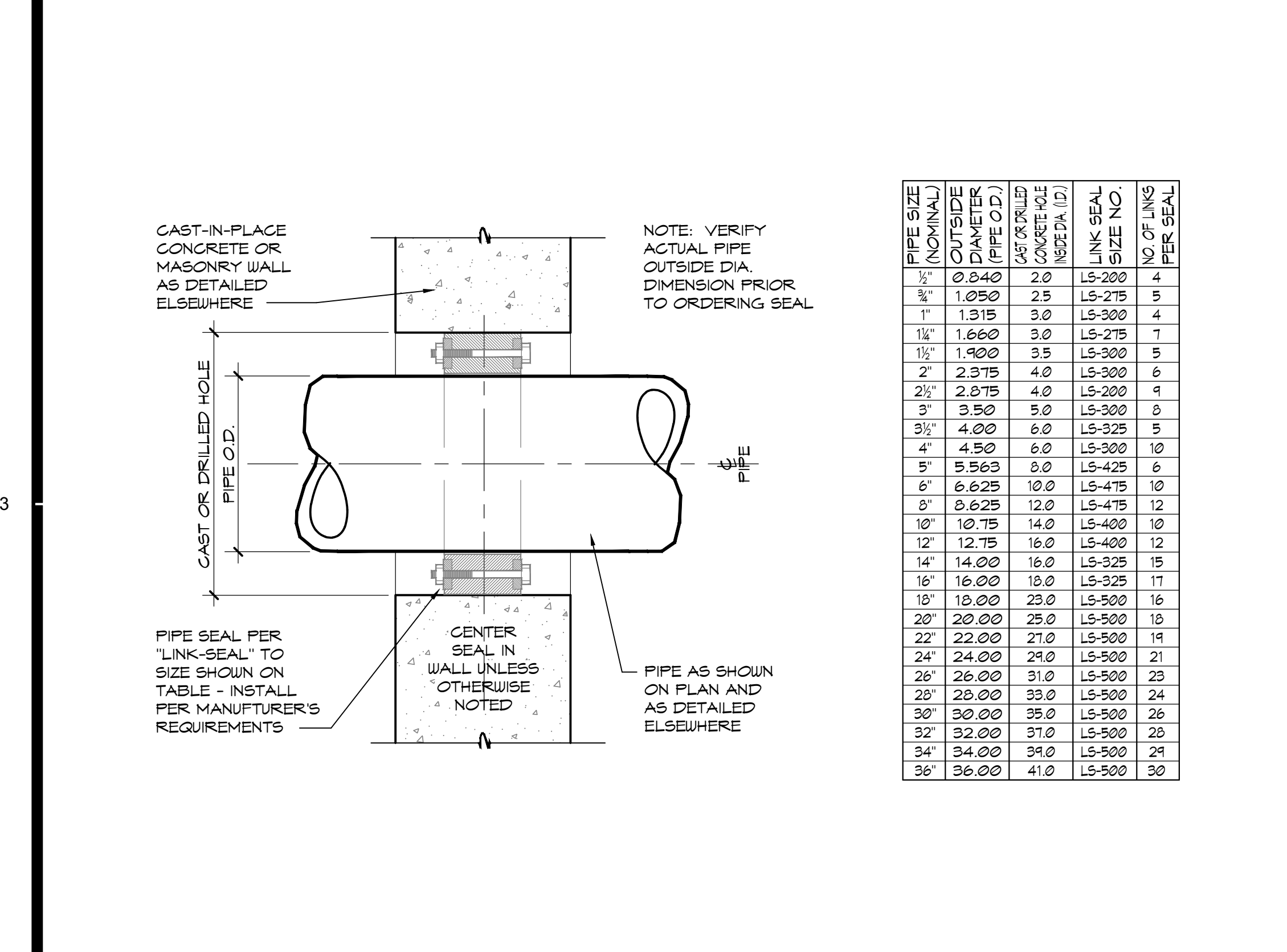
1 (N) RETROFIT MECHANICAL PAD 1/2"=1'-0"



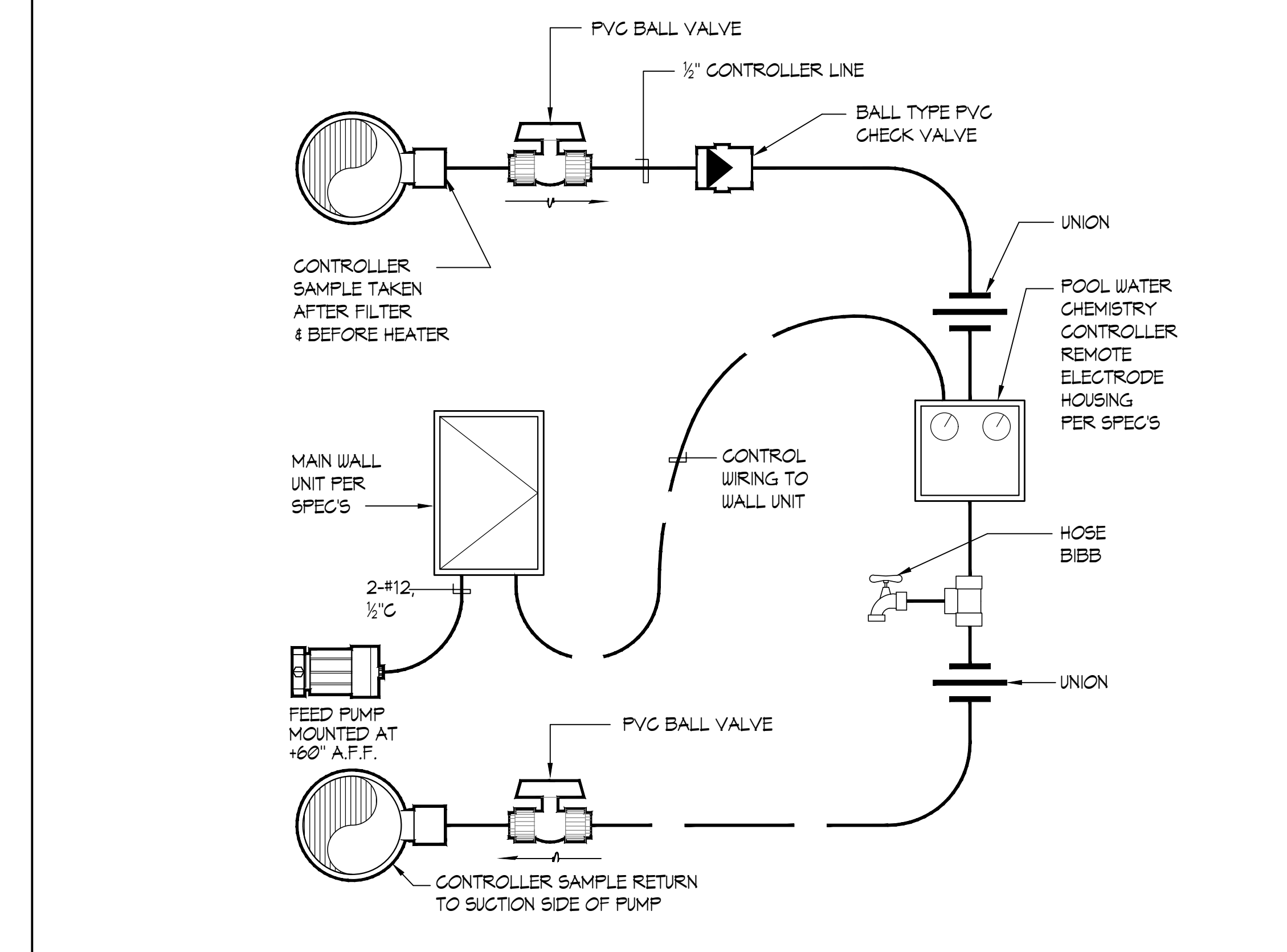
2 (N) SIGNET FLOWMETER NO SCALE



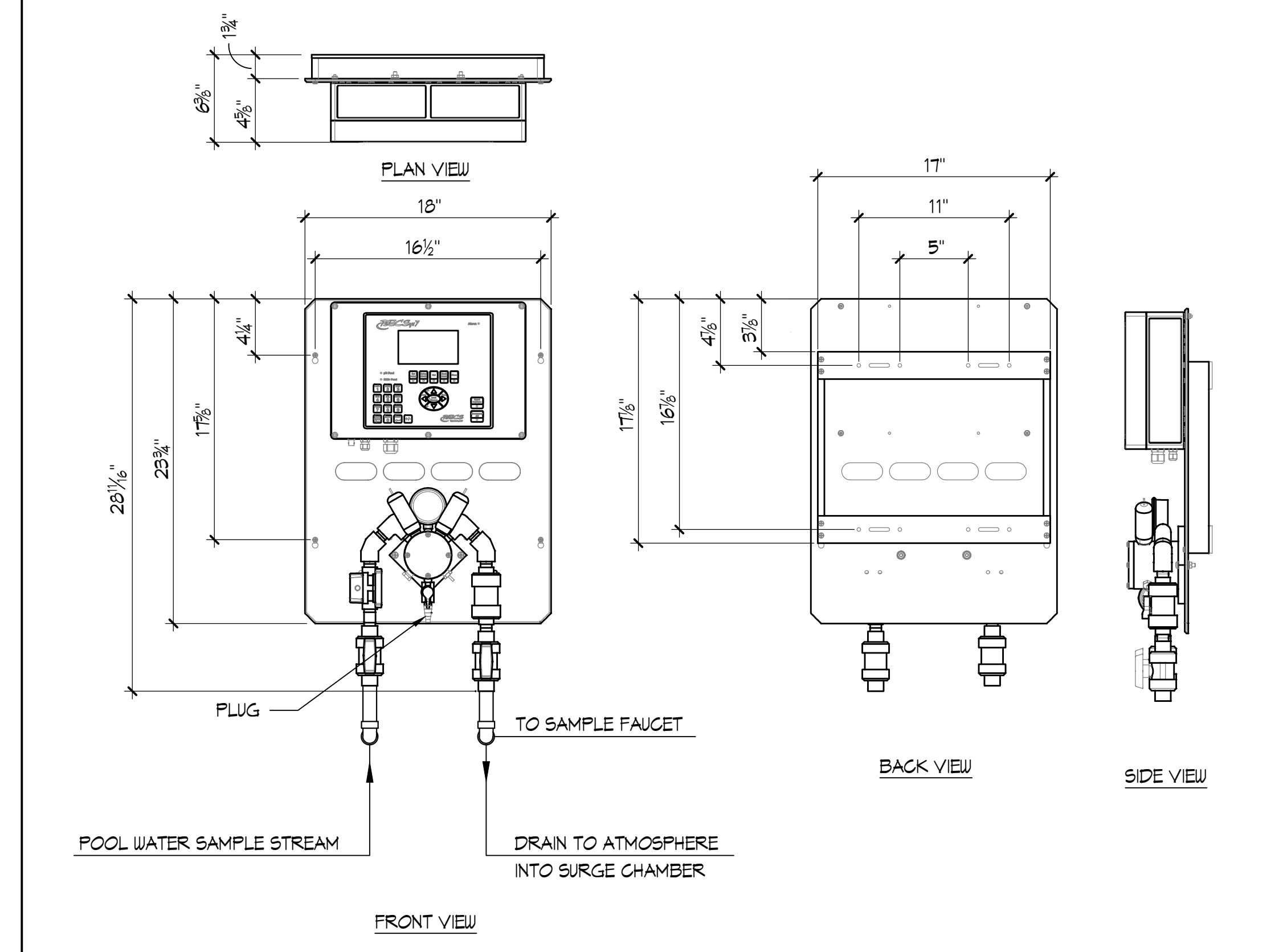
3 (N) FILTER INTERFACE SYSTEM 1 1/2"=1'-0"



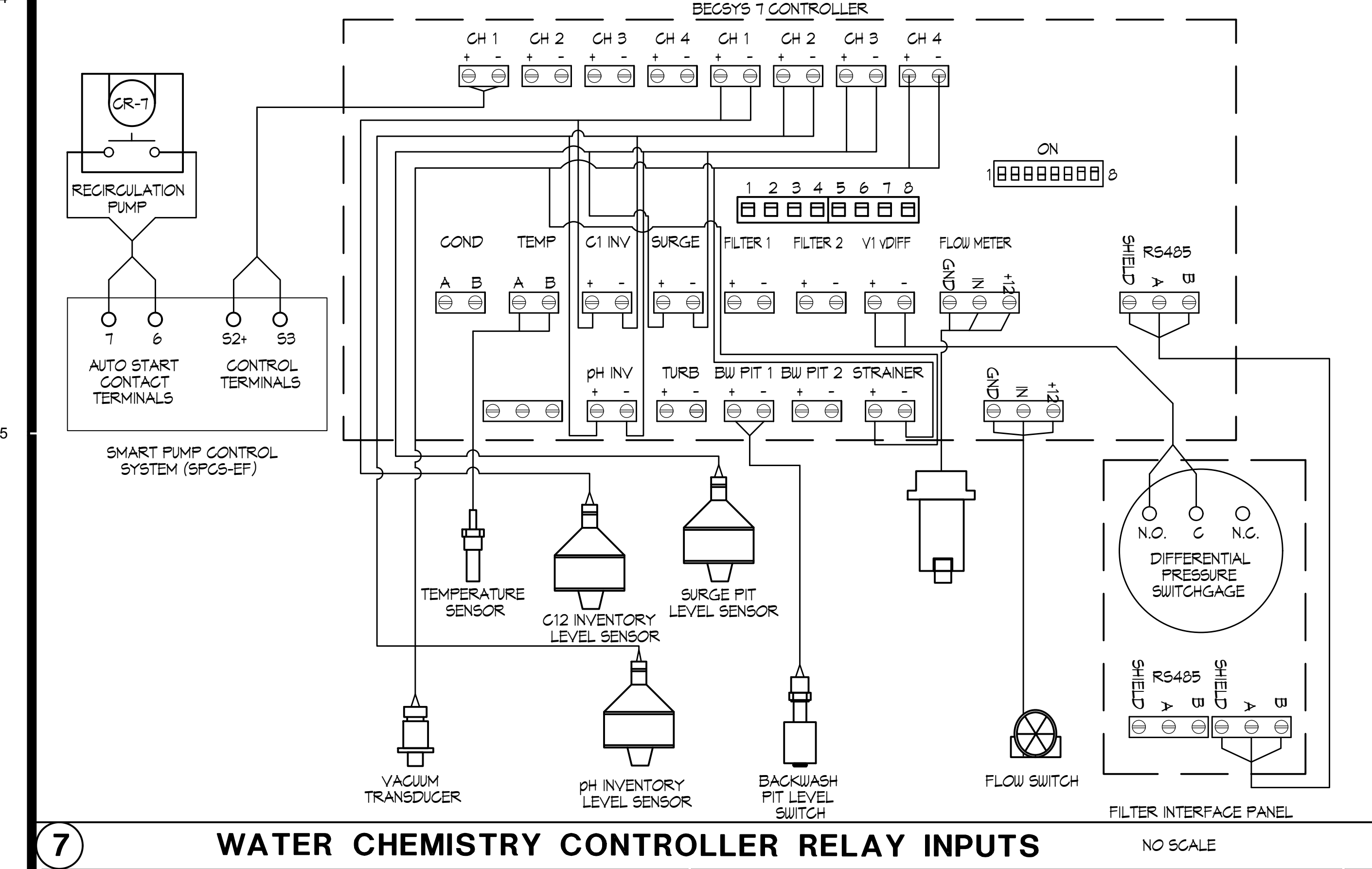
4 (N) PIPE SEAL TO WALL / FLOOR NO SCALE

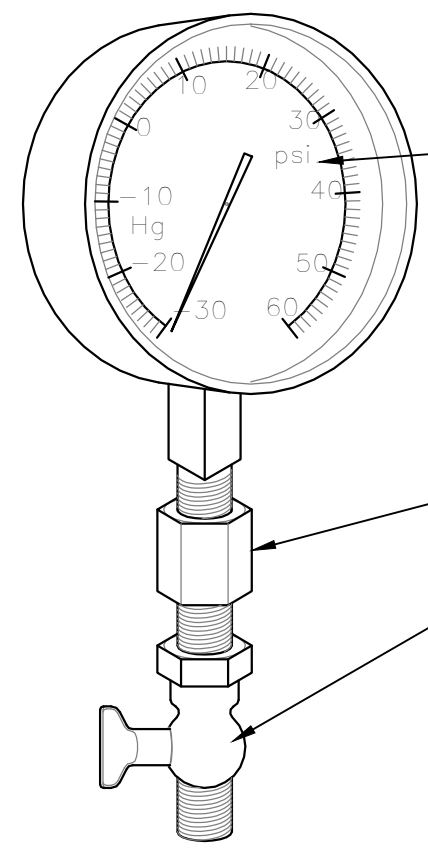


5 (N) WATER CHEMISTRY CONTROLLER SCHEMATIC NO SCALE



6 (E) WATER CHEMISTRY CONTROLLER 1 1/2"=1'-0"





2 1/2" 5/8 Cased Liquid Filled Pressure Gauges shall have a dial range pressure of 60psi and vacuum range of 30" Hg the minor graduations shall have a pressure of 2psi and vacuum of 2" Hg, 1/4" NPT per specifications.

SNUBBER
PETCOCK MODEL #A10, BRASS

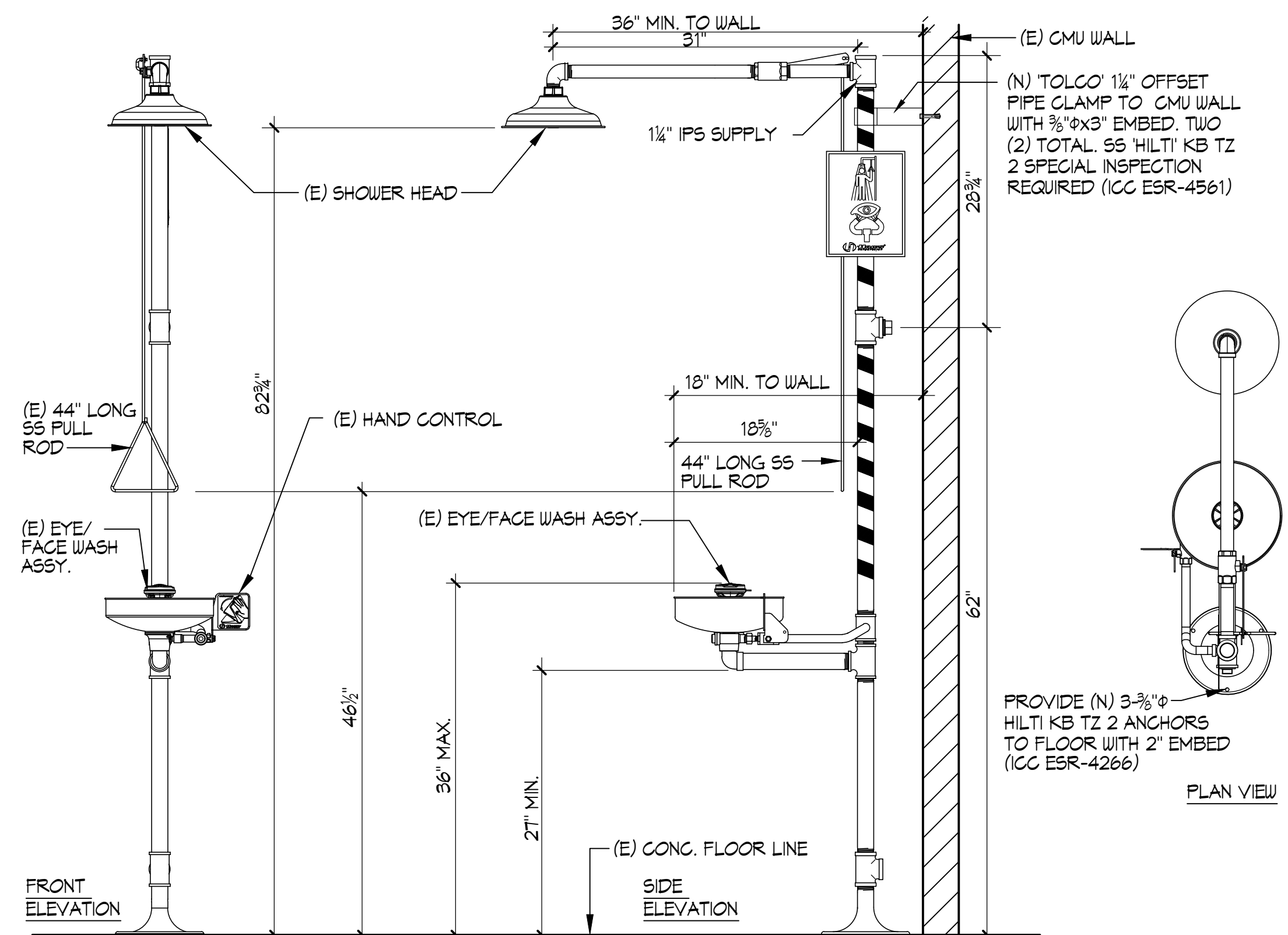
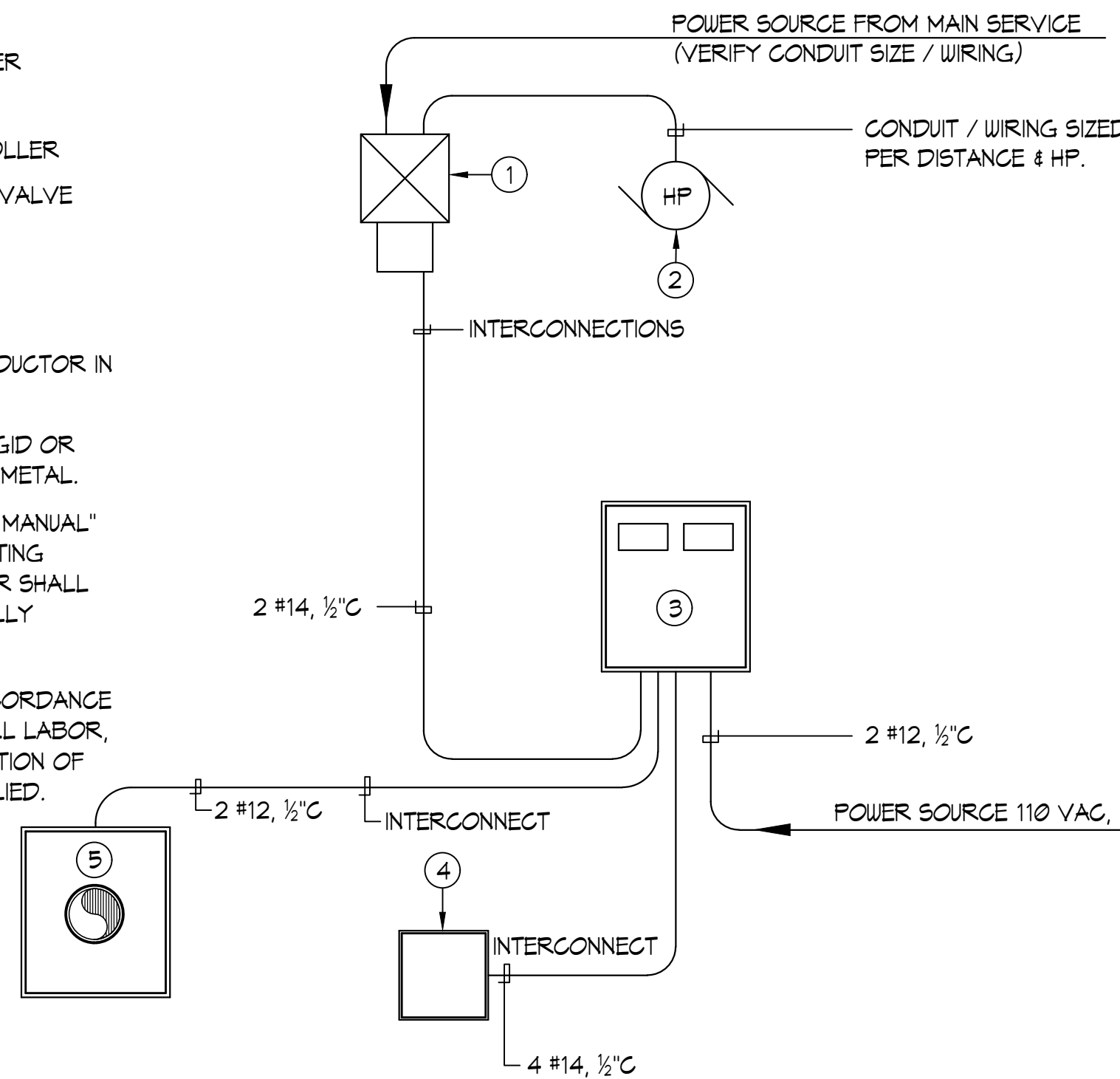
- NOTES:
1. PRESSURE GAUGES SHALL BE INSTALLED BY MEANS OF DRILLING AND TAPPING PIPE TO BE MONITORED. THE GAUGE SHALL THEN BE THREADED INTO THE PIPE. PROVIDE WITH SNUBBER AND PET COCK.
 2. GAUGE MAY BE USED WHEREVER CRUCIAL VACUUM OR PRESSURE READINGS ARE ESSENTIAL.

LEGEND

- 1 COMBINATION MAG. STARTER
- 2 CIRCULATION PUMP
- 3 WATER CHEMISTRY CONTROLLER
- 4 CHLORINE FEED SOLENOID VALVE
- 5 HEATER "FIREMAN SWITCH"

NOTES:

1. INSTALL 1 #12 GROUND CONDUCTOR IN ALL CONDUITS
2. ALL CONDUITS SHALL BE RIGID OR INTERMEDIATE GALVANIZED METAL.
3. REFER TO FILTER "OWNER'S MANUAL" FOR INSTALLATION/ OPERATING INSTRUCTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR A FULLY OPERATIONAL SYSTEM.
4. ALL WORK SHALL BE IN ACCORDANCE WITH 2010 C.E.C. FURNISH ALL LABOR, MATERIALS AND COORDINATION OF WORK HERE ON SHOWN/IMPLIED.

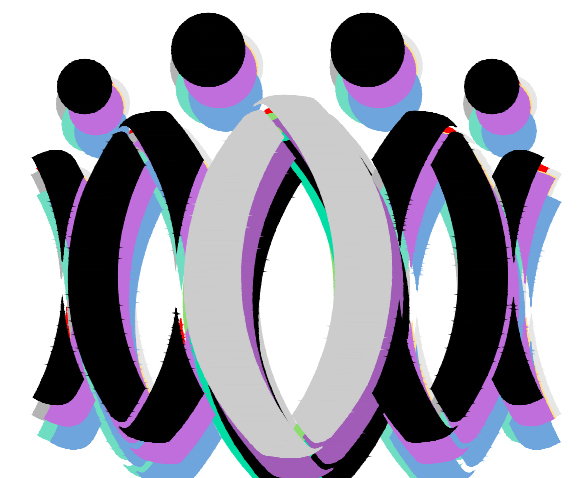


PROVIDE (N) 3-3/8" HILTI KB TZ 2 ANCHORS TO FLOOR WITH 2" EMBED (ICC ESR-4266)

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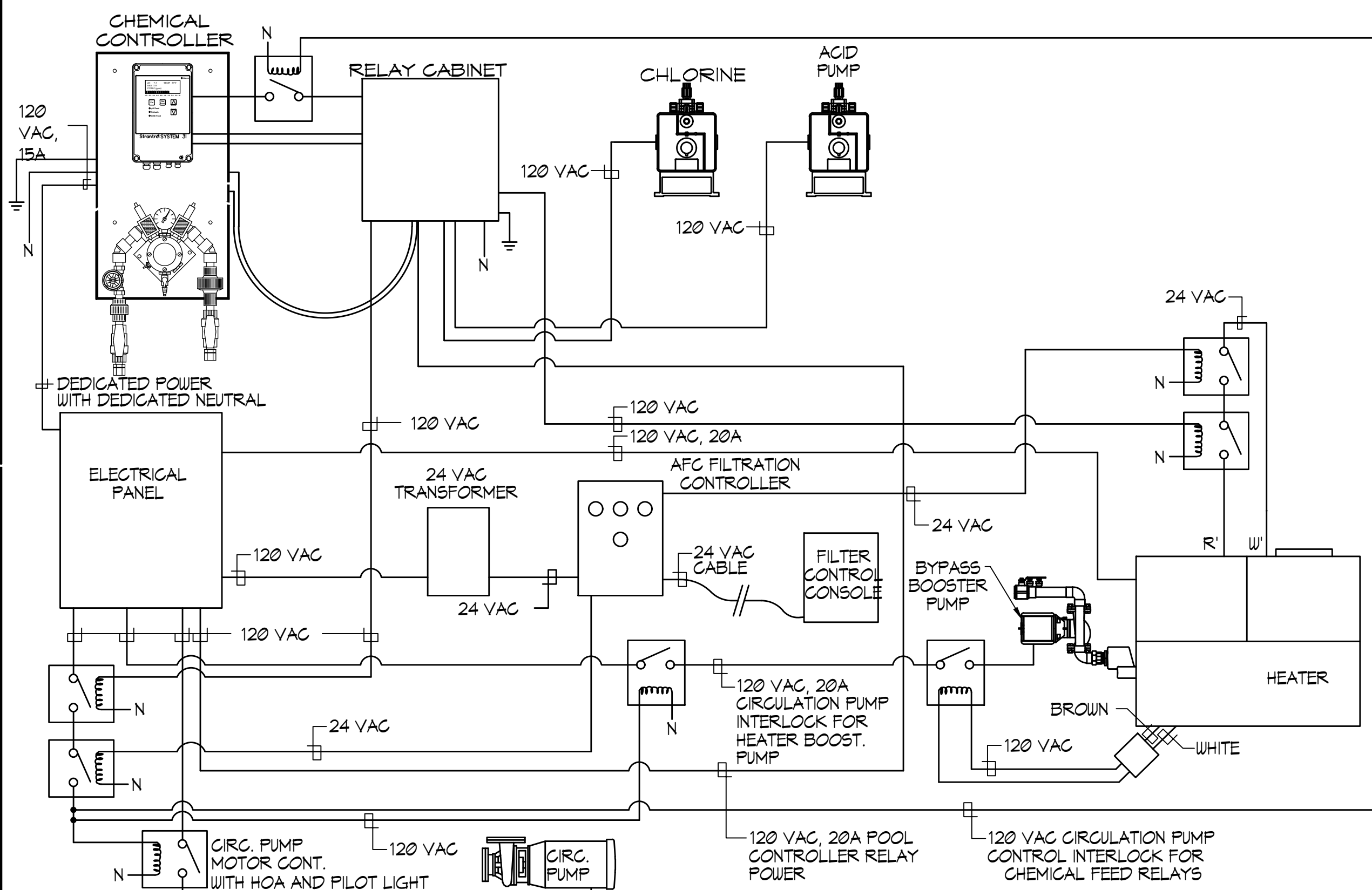
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1 (N) PRESSURE/ VACUUM GAUGE 6"x1-0"

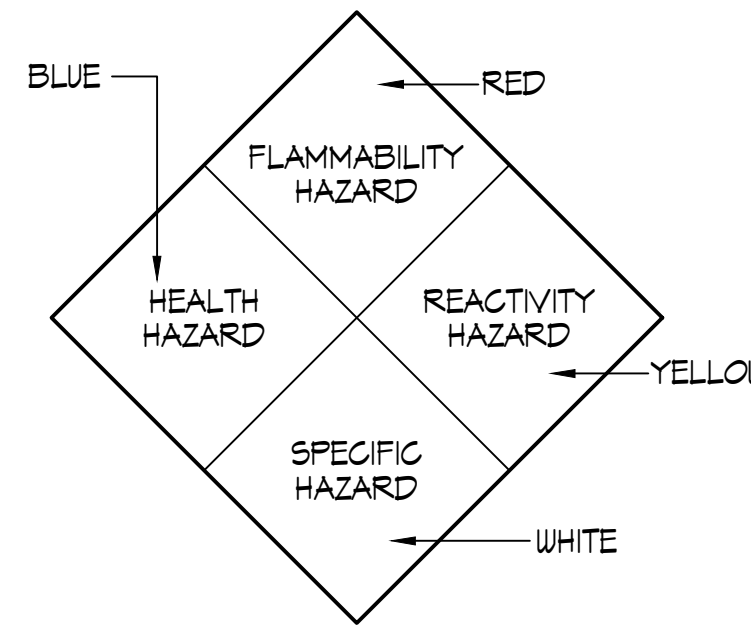
2 ELECTRICAL INTERCONNECTION SINGLE LINE DIAGRAM NO SCALE

3 TYPICAL EYEWASH/SHOWER DETAIL NO SCALE



NOTES:

1. INSTALL 1 #12 GROUND CONDUCTOR IN ALL CONDUITS
2. ALL CONDUITS SHALL BE RIGID OR INTERMEDIATE GALVANIZED METAL.
3. REFER TO FILTER "OWNER'S MANUAL" FOR INSTALLATION/ OPERATING INSTRUCTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR A FULLY OPERATIONAL SYSTEM.
4. ALL WORK SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE NATIONAL ELECTRIC CODE (N.E.C.) FURNISH ALL LABOR, MATERIALS AND COORDINATION OF WORK HERE ON SHOWN/IMPLIED.
5. ALL INTERCONNECTIONS AND CONTROL WIRING PER MANUFACTURERS INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR A FULLY OPERATIONAL SYSTEM.



SODIUM HYPOCHLORITE

MURIATIC ACID

CHEMICAL CLASSIFICATION TABLE									
COMMON NAME	CHEMICAL NAME	% COMP.	CAS #	FORM	QUANT. STORED (NOT USED)	QUANT. IN USE (USE-CLOSED)	MAXIMUM ALLOWABLE QUANTITY	LOCATION (STORAGE & USE)	HAZ. CLASSES
SODIUM HYPOCHLORITE	SODIUM HYPOCHLORITE	12.5%	7681-52-9	LIQUID	0 GAL.	500 GAL.	500 GAL.	CHEM. ENCLOSURE	IRRITANT LIQUID
MURIATIC ACID	HYDROCHLORIC ACID	25%	7647-01-0	LIQUID	0 GAL.	150 GAL.	500 GAL.	CHEM. ENCLOSURE	CORROSIVE LIQUID
CARBON DIOXIDE	CARBON DIOXIDE	100%	124-39-9	LIQUID	0 lbs.	600 lbs.	686 lbs.	CHEM. ENCLOSURE	CRYOGENIC
CALCIUM HYPOCHLORITE	CALCIUM HYPOCHLORITE	65%	7778-54-3	TABLET	45 lbs.	150 lbs.	1,150 lbs.	CHEM. ROOM	OXIDIZER
SODIUM BISULFATE	SODIUM BISULFATE	93%	7681-38-1	TABLET	45 lbs.	45 lbs.	NO LIMIT	CHEM. ROOM	IRRITANT

QUANTITIES OF CHEMICALS DO NOT EXCEED THE QUANTITIES LISTED IN CFC TABLE 5003.1.1(4). FOR CARBON DIOXIDE GAS SEE TABLE 1.12.8(6) OF THE NFPA. 6,000 FT³ ALLOWABLE OR 686 lbs. STORAGE PER CONTAINED AREA PROVIDE HARD WIRED CO₂ DETECTOR ANALOG SENSOR TECHNOLOGY MODEL #AP1 KIT SENSOR AND STROBE UNITS 120V HARD WIRED W/ STROBE LIGHT AND AUDIBLE ALARM. SENSOR MOUNTED 18 INCHES A.F.F. AND ALARM LEVEL BETWEEN 10-16 INCHES AND WITHIN VISIBLE EYESIGHT OF DOOR. TO BE SET TO DETECT CO₂ GAS IN LEVELS IN EXCESS OF THE PEL. PROVIDE IN EACH ROOM CONTAINING CO₂.

RATING EXPLANATION GUIDE

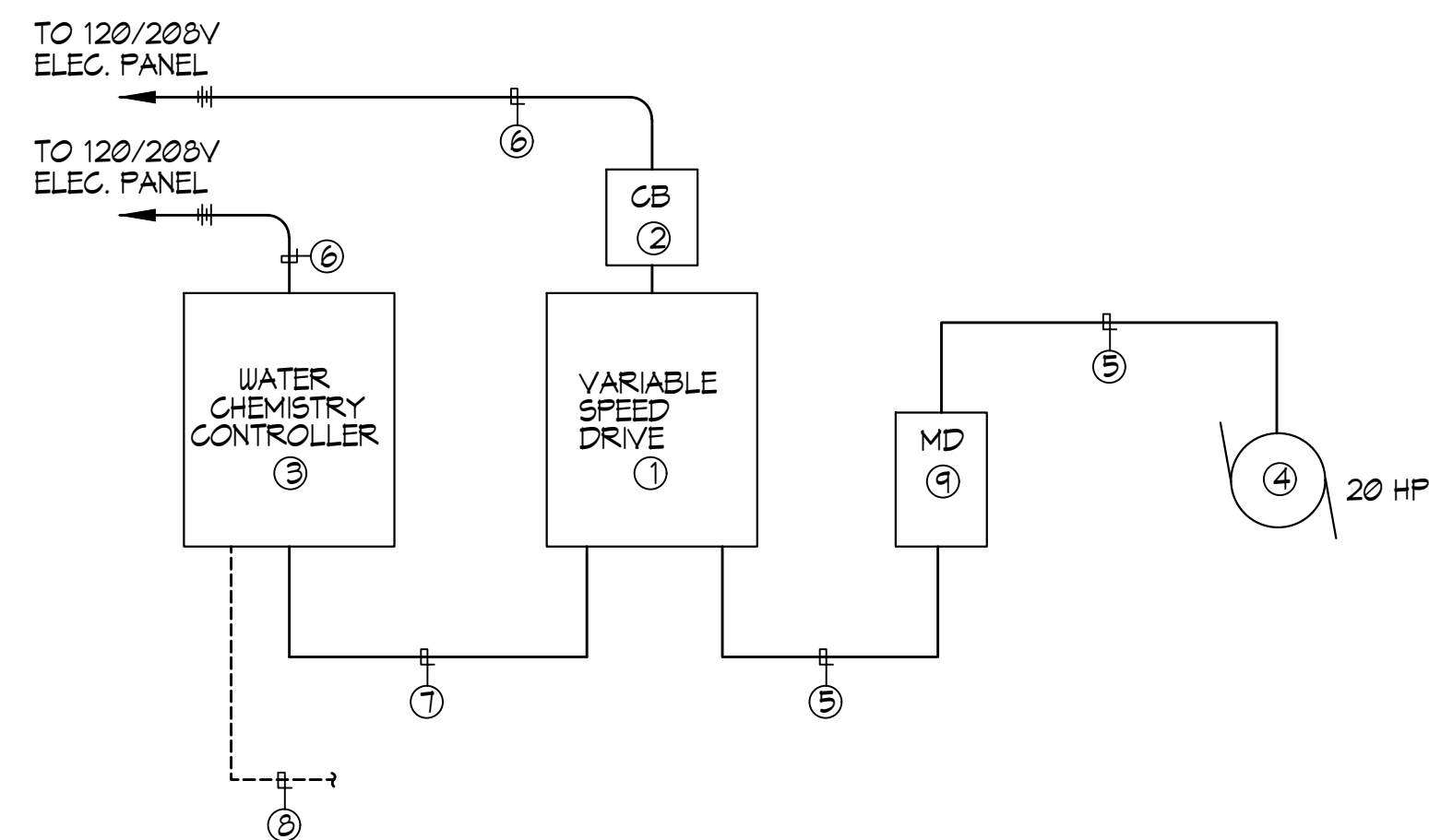
RATING	HEALTH HAZARD	FLAMMABILITY HAZARD	REACTIVITY HAZARD	SPECIFIC HAZARD
4	CAN BE LETHAL	EXTREMELY FLAMMABLE. IGNITES AT BELOW 73° F.	MAY EXPLODE AT NORMAL TEMPERATURES AND PRESSURES	OXIDIZER: OX ACID: ACID
3	CAN CAUSE SERIOUS OR PERMANENT INJURY	IGNITES AT ABOVE 73° F. BELOW 100° F.	MAY EXPLODE AT HIGH TEMPERATURES OR SHOCK	CORROSIVE: COR
2	CAN CAUSE TEMPORARY INCAPACITATION OR RESIDUAL INJURY	IGNITES AT ABOVE 100° F. BELOW 200° F.	VIOLENT CHEMICAL CHANGE AT HIGH TEMPERATURES OR PRESSURES	ALKALI: ALK USE NO WATER: W-
1	CAN CAUSE SIGNIFICANT IRRITATION	IGNITES AT ABOVE 200° F.	NORMALLY STABLE. HIGH TEMPERATURES MAKE UNSTABLE	RADIATION HAZARDS: POLYMERIZES: P
0	NO HAZARD	WILL NOT BURN	STABLE	

NOTES:

1. CONFIRM SIGNAGE WITH LOCAL FIRE MARSHALL AND/OR BUILDING CODES PRIOR TO INSTALLATION. SIGNS SHALL CONFORM TO NFPA 704.
2. SIGNS SHALL BE SIZES AND COLORS PER CODE MOUNTED AT +60" A.F.F. ON DOORS AT CHEMICAL ROOMS.

4 POOL MECHANICAL ELECTRICAL INTERCONNECTION DIAGRAM NO SCALE

5 HAZARDOUS INFORMATION SIGNAGE NO SCALE

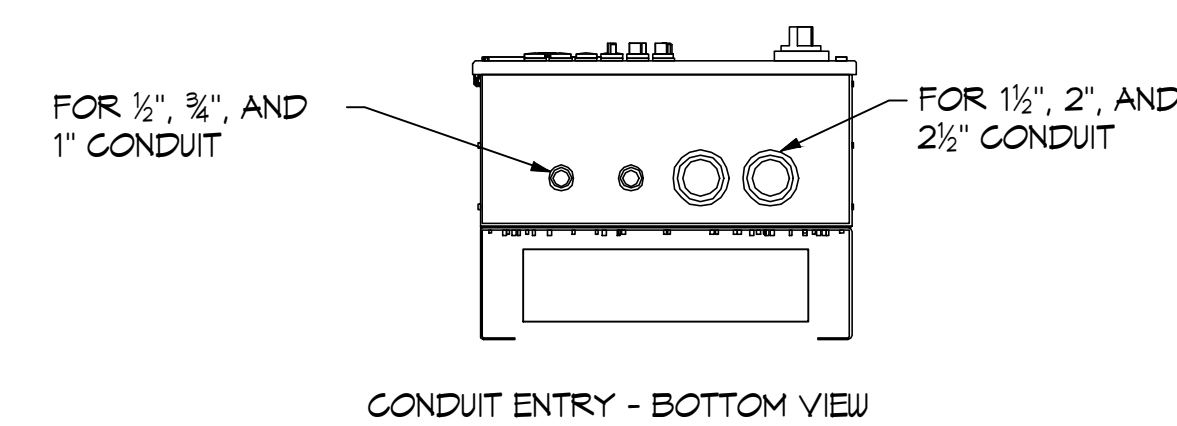
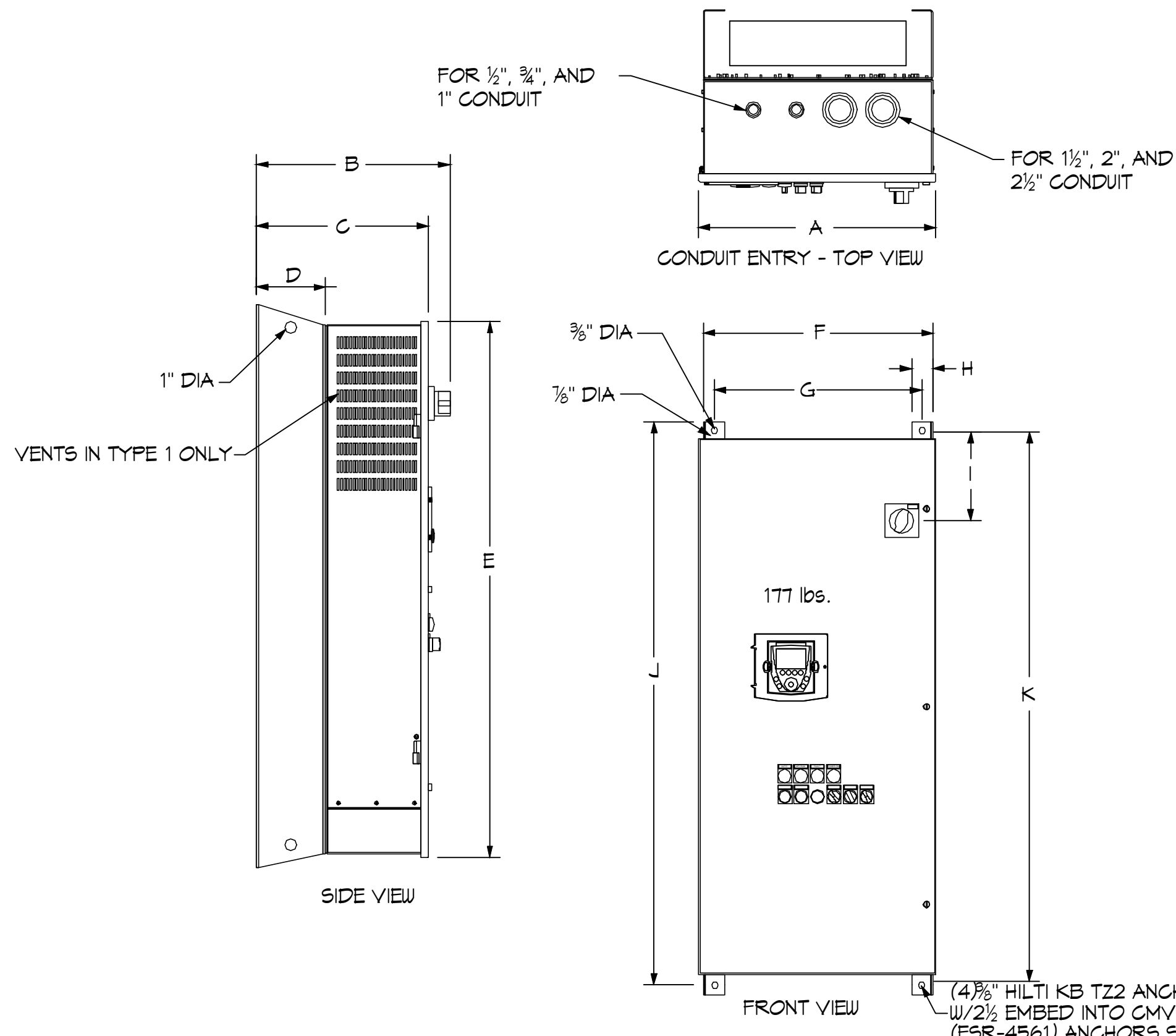


NOTES:

- 1 VARIABLE SPEED DRIVE MOTOR CONTROL CABINET. SEE PLANS AND SPECIFICATIONS.
- 2 ENCLOSED CIRCUIT BREAKER. SEE SINGLE LINE DIAGRAM.
- 3 WATER CHEMISTRY/FILTER CONTROL UNIT. SEE PLANS.
- 4 CONNECT TO CIRCULATION PUMP MOTOR. SEE PLANS.
- 5 MOTOR FEEDERS. SEE SINGLE LINE DIAGRAM.
- 6 120 VOLT BRANCH CIRCUITS. SEE PLANS.
- 7 3/4" C, (4) #12, (1) #12 GND. (120 VOLT CONTROL WIRING)
- 8 24 VOLT SIGNAL AND SENSOR CABLE. SEE SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS.
- 9 MOTOR DISCONNECT. SEE PLANS.

6 TYPICAL WIRING SCHEMATIC AT SPCS UNIT NO SCALE

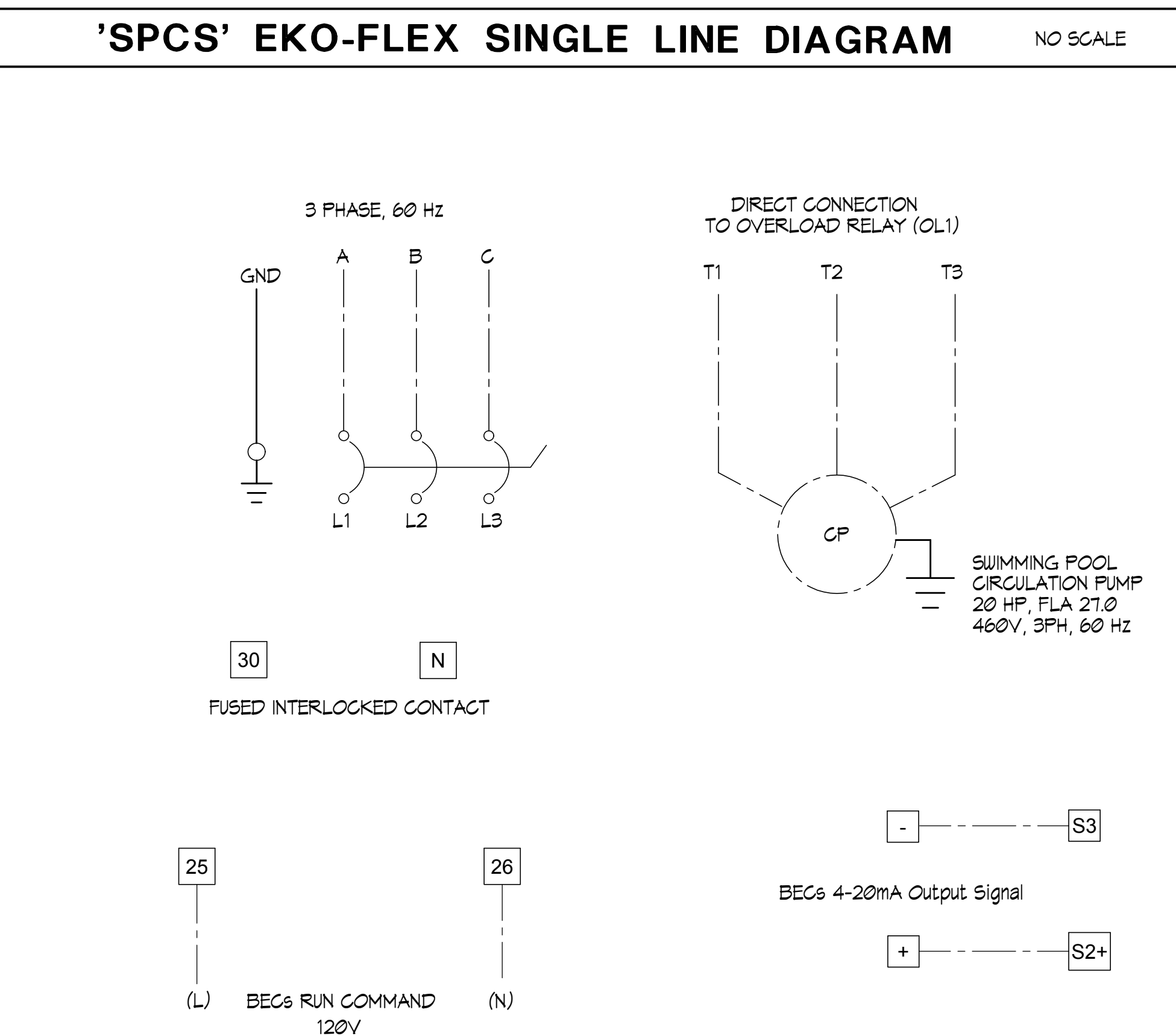
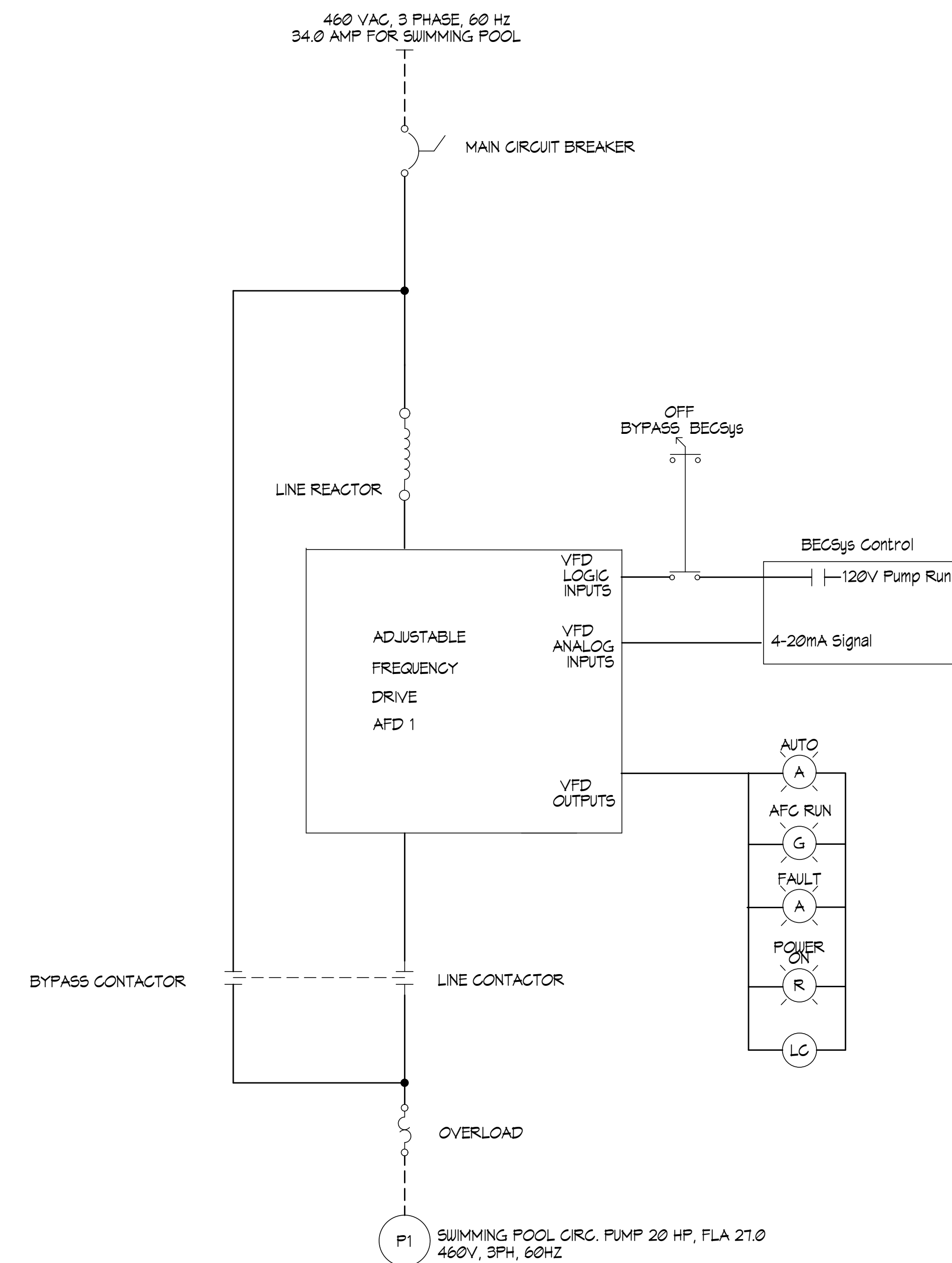
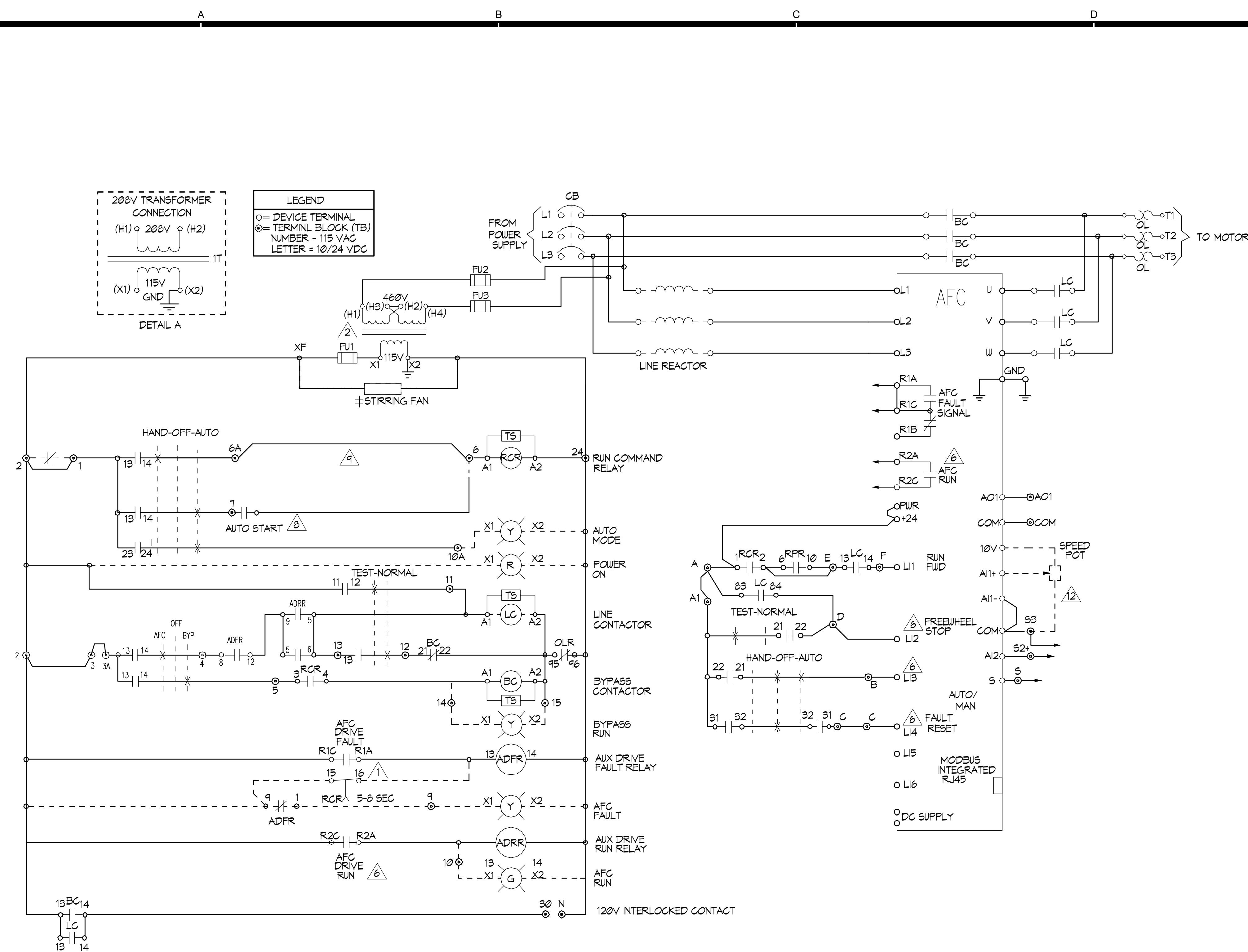
7 (N) 'SPCS' EKO-FLEX ENCLOSURE DIMENSIONS NO SCALE



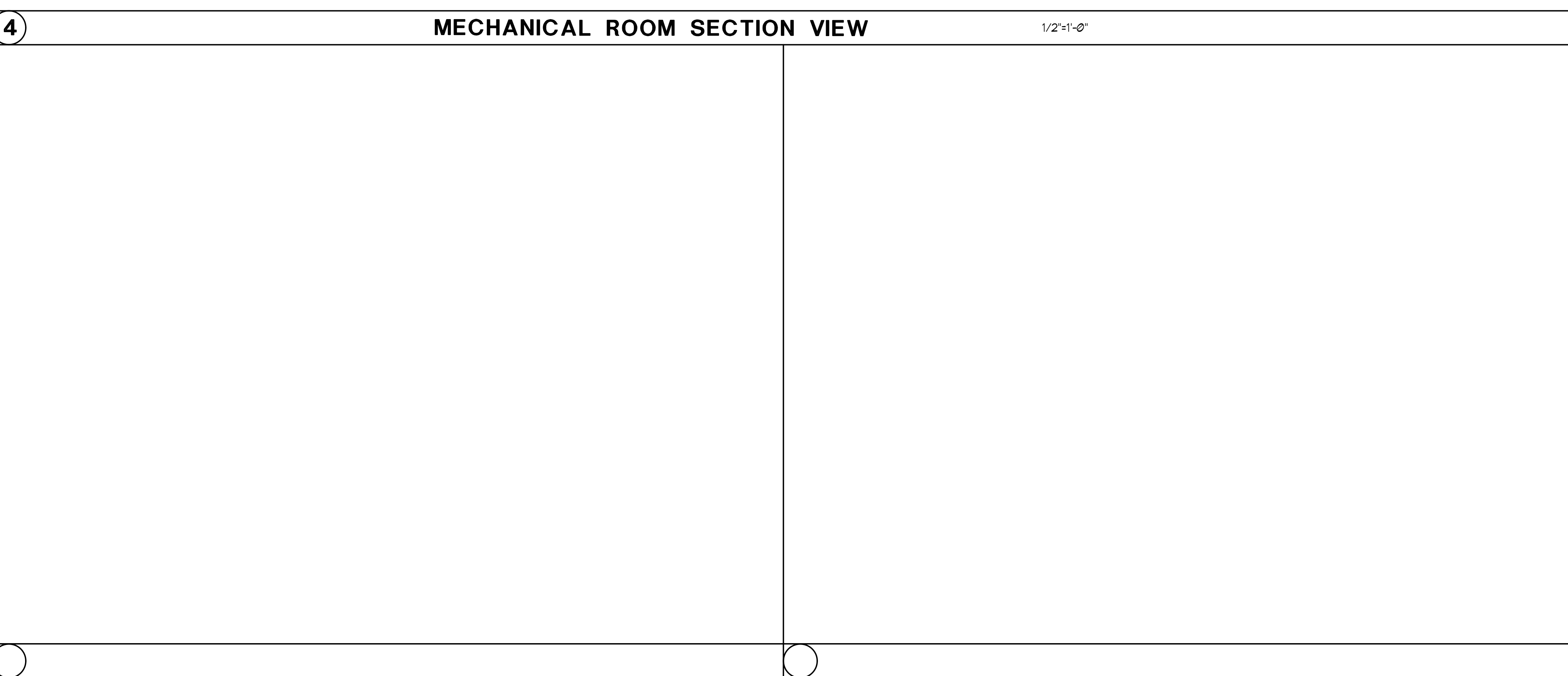
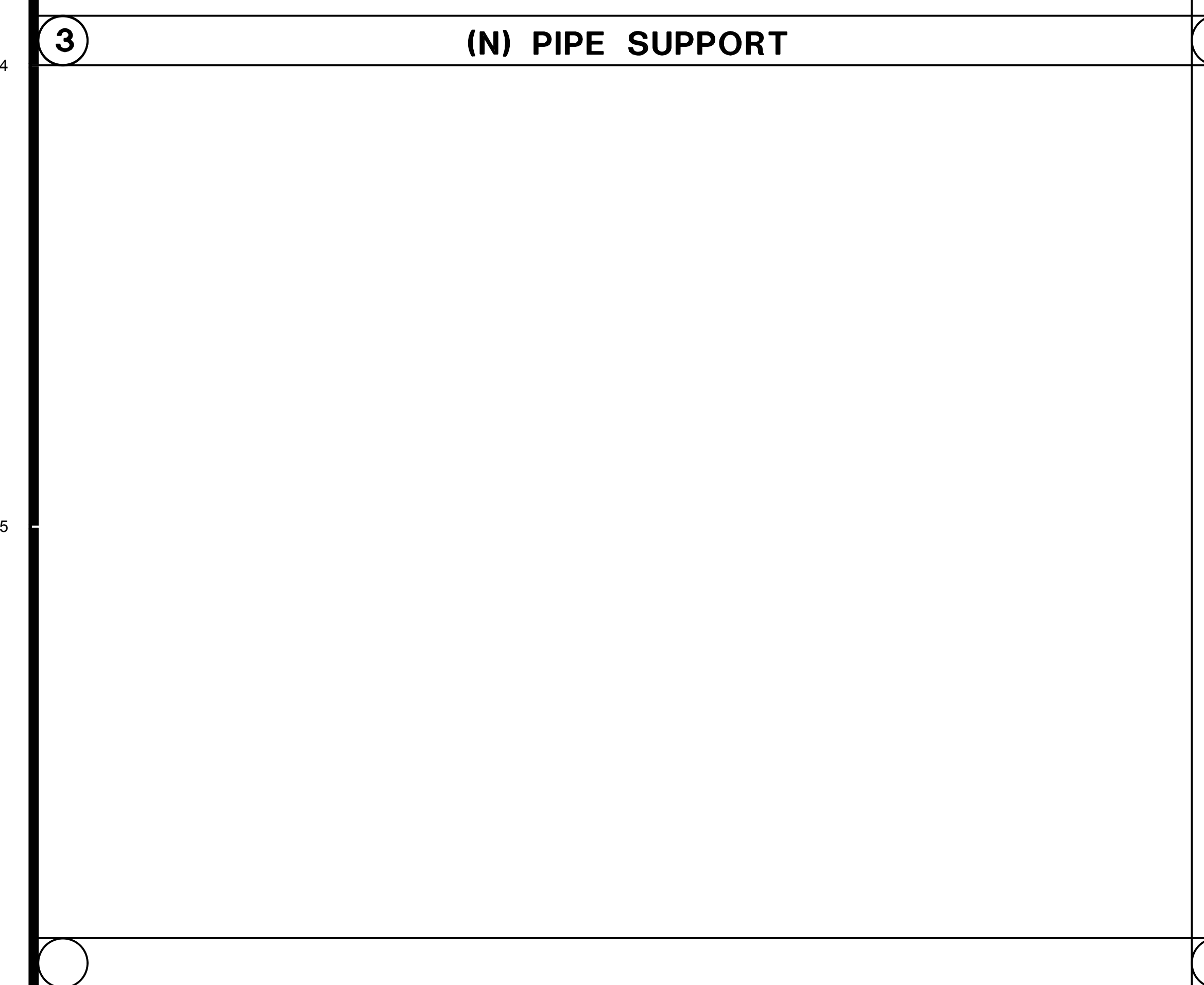
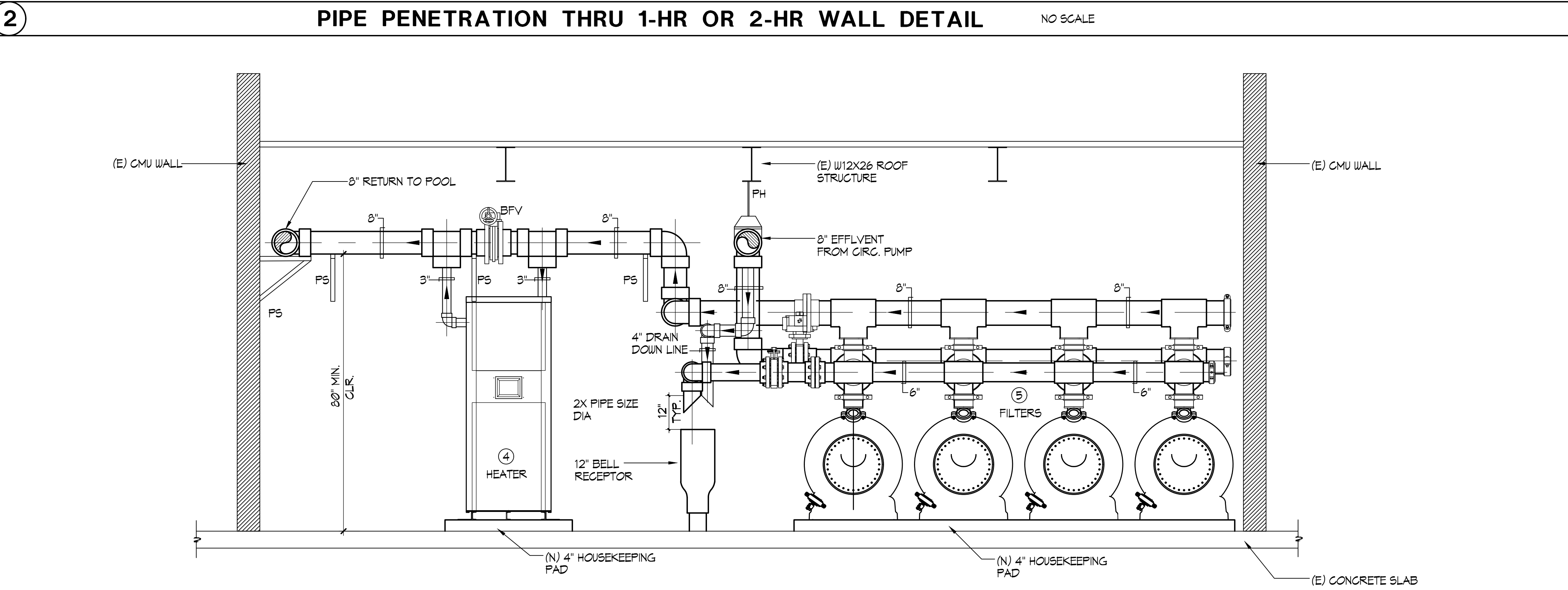
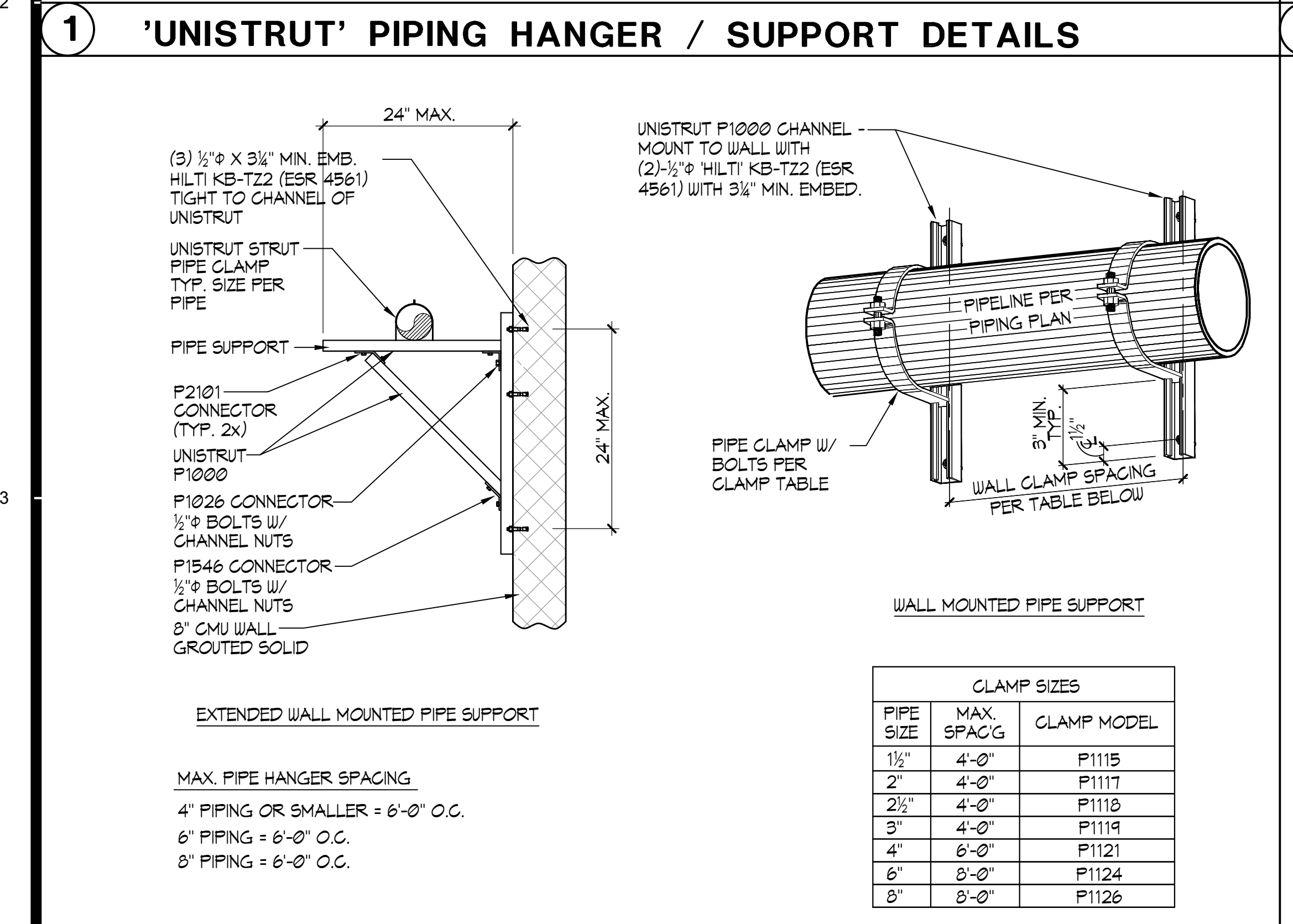
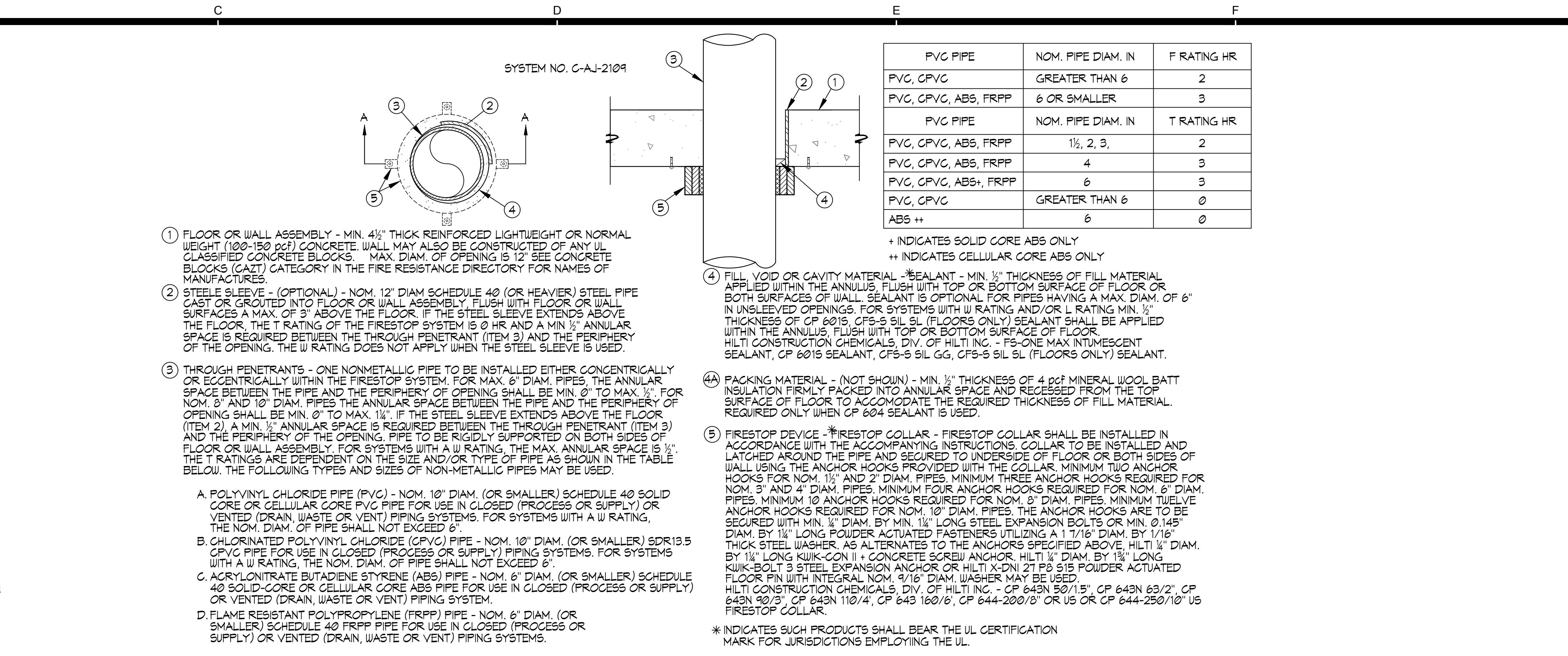
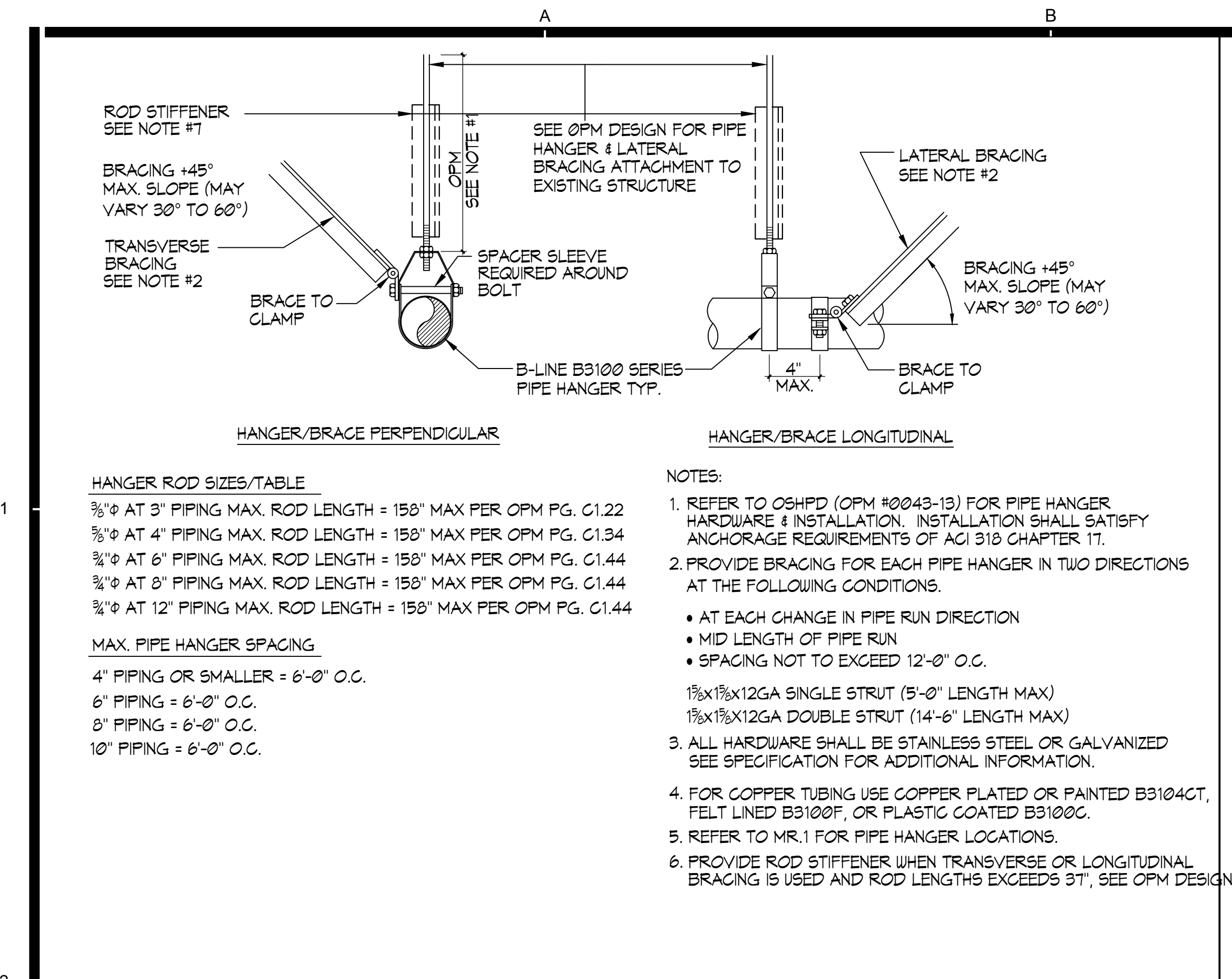
NOTE:
PROVIDE AT LEAST 3" OF MOUNTING CLEARANCE ON EACH SIDE OF THE DRIVE CONTROLLER.
PROVIDE AT LEAST 6" OF MOUNTING CLEARANCE ON EACH TOP AND BOTTOM OF THE DRIVE CONTROLLER

'SPCS' EKO-FLEX SIZING TABLE

HP	HP	WEIGHT	DIMENSIONS									
			A	B	C	D	E	F	G	H	I	J
460V	208/230V	LB5										
1 TO 7.5	1 TO 5	83	14.76"	13.43"	12.08"	3.01"	37.38"	14.25"	12.30"	1.86"	6.11"	35.00"
10 TO 25	7.5 TO 10	126	20.00"	13.43"	12.08"	3.01"	38.38"	14.49"	17.54"	1.86"	7.65"	41.00"
30 TO 50	15 TO 25	177	20.65"	16.83"	14.83"	6.00"	46.64"	20.00"	18.04"	1.86"	7.75"	49.02"
60 TO 100	30 TO 50	211	25.65"	16.83"	14.43"	6.00"	60.38"	25.00"	23.04"	1.86"	15.52"	63.00"



11-18-2022 |



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SS ☒ FLS ☒ ACS ☒
DATE: 05/21/2024

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STATE OF CALIFORNIA

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Checked by: GSF
Reviewed by:
No. Date Description

All dimensions must be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site. Any and all responsibility for their use in whole or in part on any other site is hereby disclaimed by Flewelling & Moody.

BURBANK UNIFIED SCHOOL DISTRICT
BURBANK HIGH SCHOOL AQUATIC CENTER MODERNIZATION
902 NORTH 3RD STREET
BURBANK, CA 91502

DETAILS

Job No: 2986.0000
Date: 11-18-2022

MR.6