

SCHNITZER STEEL OAKLAND FACILITY

SITE ADDRESS
1101 EMBARCADERO WEST
OAKLAND, CA 94607

PROJECT SCOPE

- THE SCOPE OF WORK INCLUDES THE FOLLOWING:
 - ADDITION OF A NEW STORAGE TENT

GENERAL SPECIFICATIONS

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE.

DESIGN DATA

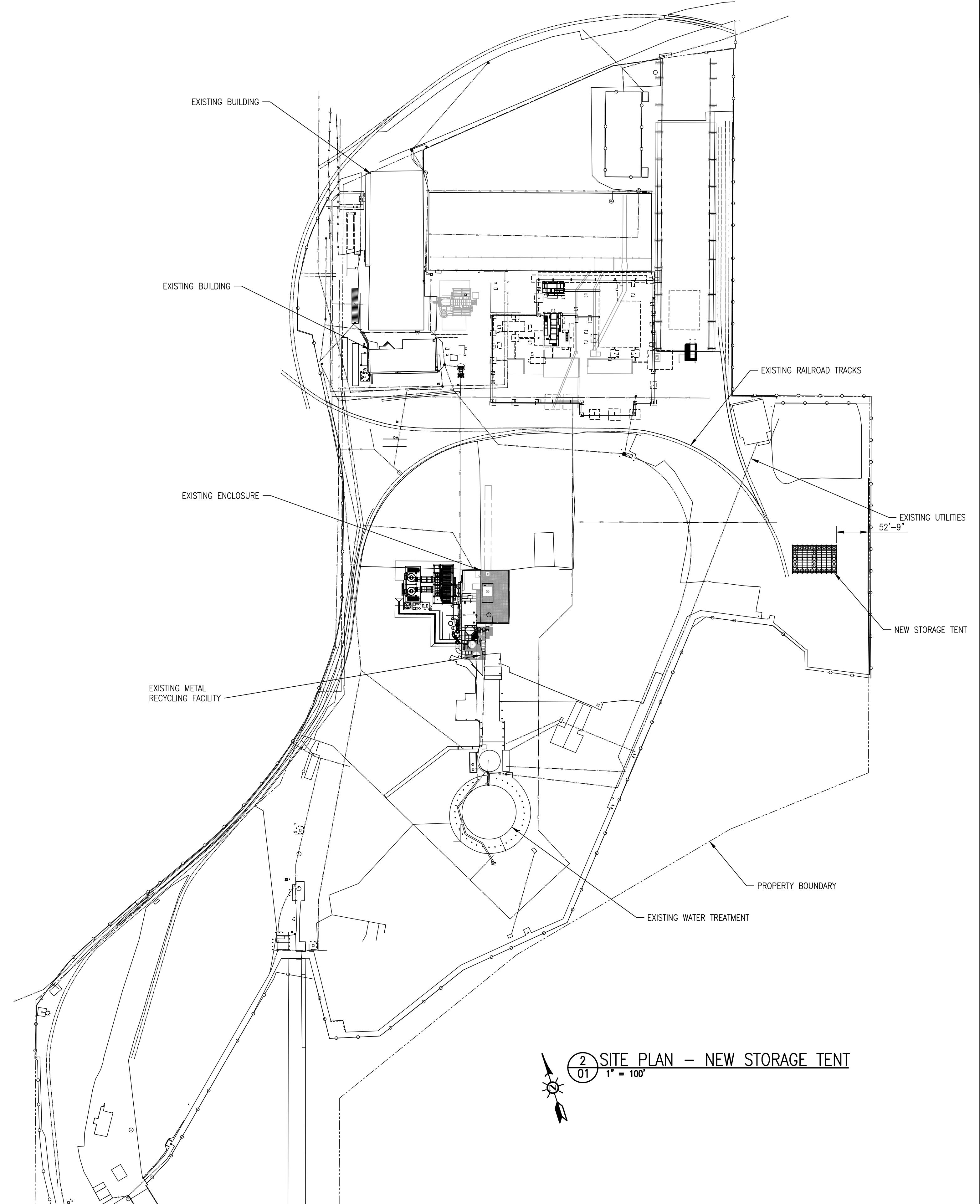
1. DEAD LOAD	= 0.167 PSF (FABRIC)
2. DEAD LOAD - CONCENTRATED	= 0.25 K AT CEN OF RAFTER
3. DEAD LOAD - CONCENTRATED	= 0.5 K AT RIDGE
4. LIVE LOAD	= 300 LB (MAINT. WORKER)
5. GROUND SNOW LOAD	= 0 PSF
6. WIND SPEED	= 86 MPH, EXPOSURE C
7. SEISMIC DESIGN CRITERIA	RISK CATEGORY I $S_{\text{gs}} = 1.22g$ $S_{\text{gt}} = 0.60g$ SDC = D SITE CLASS D R = 1.0 = 2,000 PSF
8. SOIL BEARING CAPACITY	

PROPERTY INFORMATION

1. PROPERTY ADDRESS	= 1101 EMBARCADERO WEST OAKLAND, CA 94607
2. PARCEL NUMBER	= 018039500100
3. LEGAL DESCRIPTIONS	= SECTION 36 TOWNSHIP 21 RANGE 03 QUATER 24
4. ZONE	= PROJECT WITHIN PORT OF OAKLAND JURISDICTION



1 SITE PLAN - NEW STORAGE TENT
01 1' = 200'

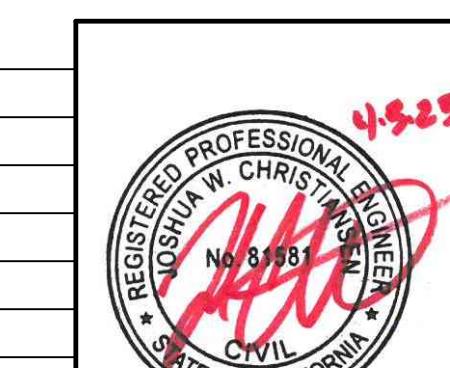


REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE	—	X	ACI 318: 3.8.6, 8.1.3, 21.2.8

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1	UPDATED CODE CALLOUT	JWC	04/03/23	
0	ISSUED FOR PERMIT	CVP	02/24/23	
SYM.	REVISIONS	BY	DATE	CHK'D



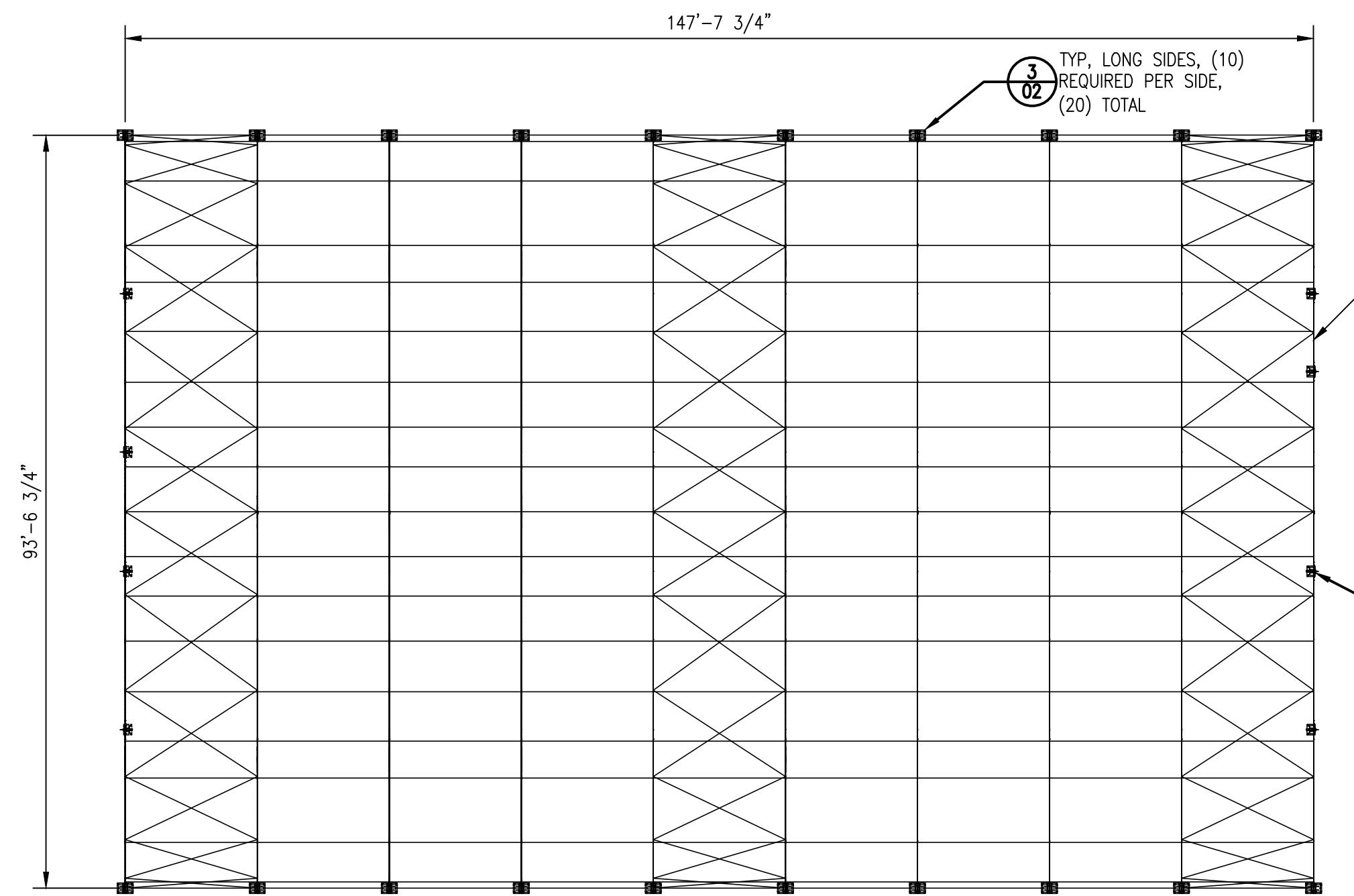
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Smith Monroe Gray
ENGINEERS, INC.

8625 SW Cascade Ave.
Suite 600
Beaverton, Oregon 97008
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www.smgenr.com

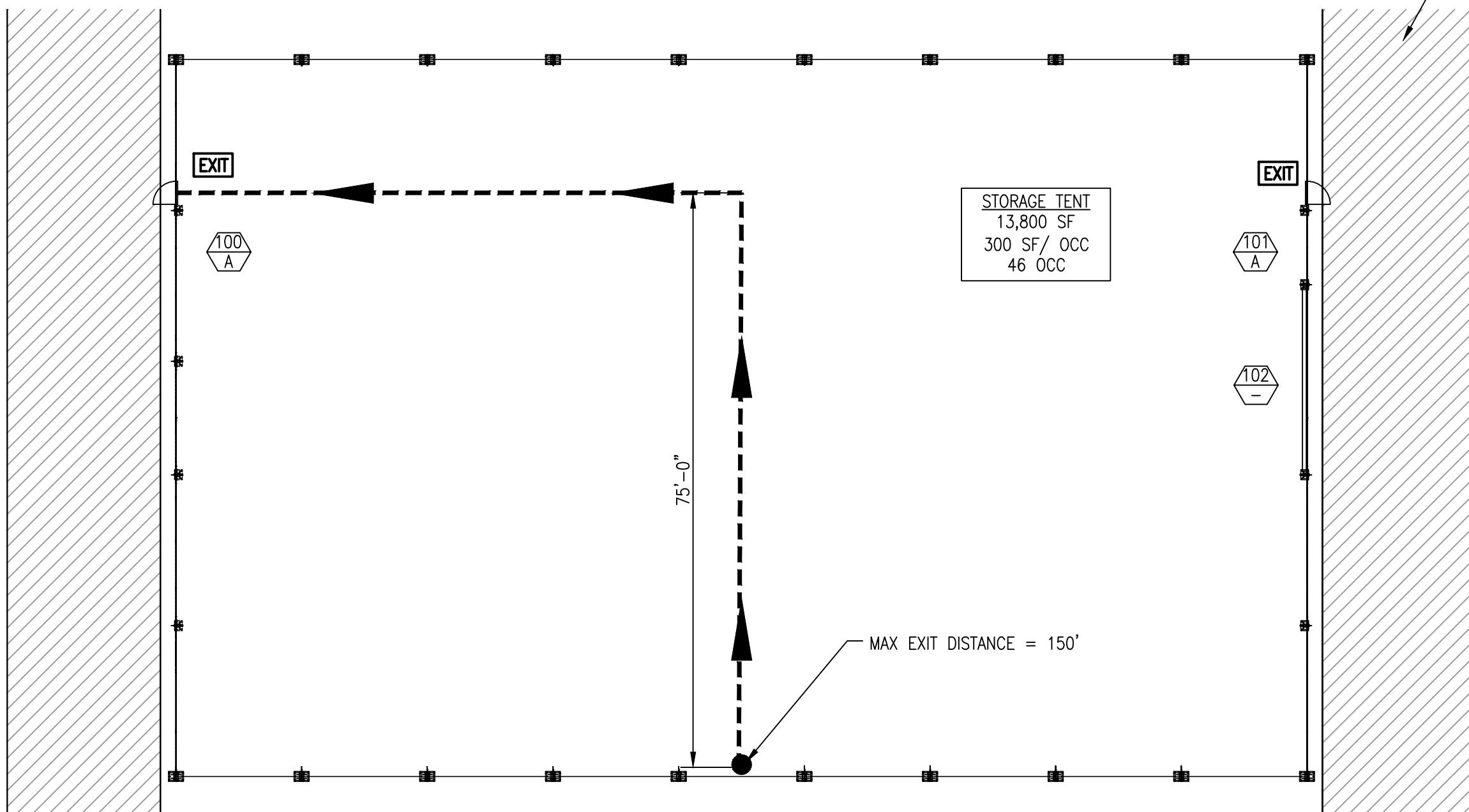
SCHNITZER STEEL
OAKLAND FACILITY
STORAGE TENT CONSTRUCTION
SITE PLAN & DETAIL

22-371B-01

1



1 STORAGE TENT - PLAN VIEW
02 1/16" = 1'-0"



2 STORAGE TENT - EGRESS PLAN
02 1/16" = 1'-0"

DOOR NUMBER	DOOR SIZE			DOOR TYPE	DOOR	DOOR FRAME	FINISH	HARDWARE TYPE	DOOR SWING	COMMENTS
	WIDTH	HEIGHT	DOOR TYPE							
100	3'-0"	7'-0"	A	HM	P	HM	P	1	LH	
101	3'-0"	7'-0"	A	HM	P	HM	P	1	RH	
102	24'-0"	20'-0"	-	R	-	M	-	-	-	DYNACO RUBBER ROLL-UP DOOR

HM = HOLLOW METAL P = PAINT

R = RUBBER

M = METAL

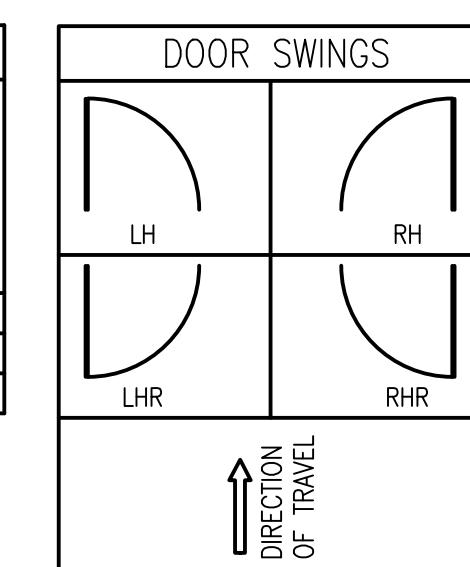
DOOR NUMBER

103

A

DOOR TYPE

DOOR TYPE A

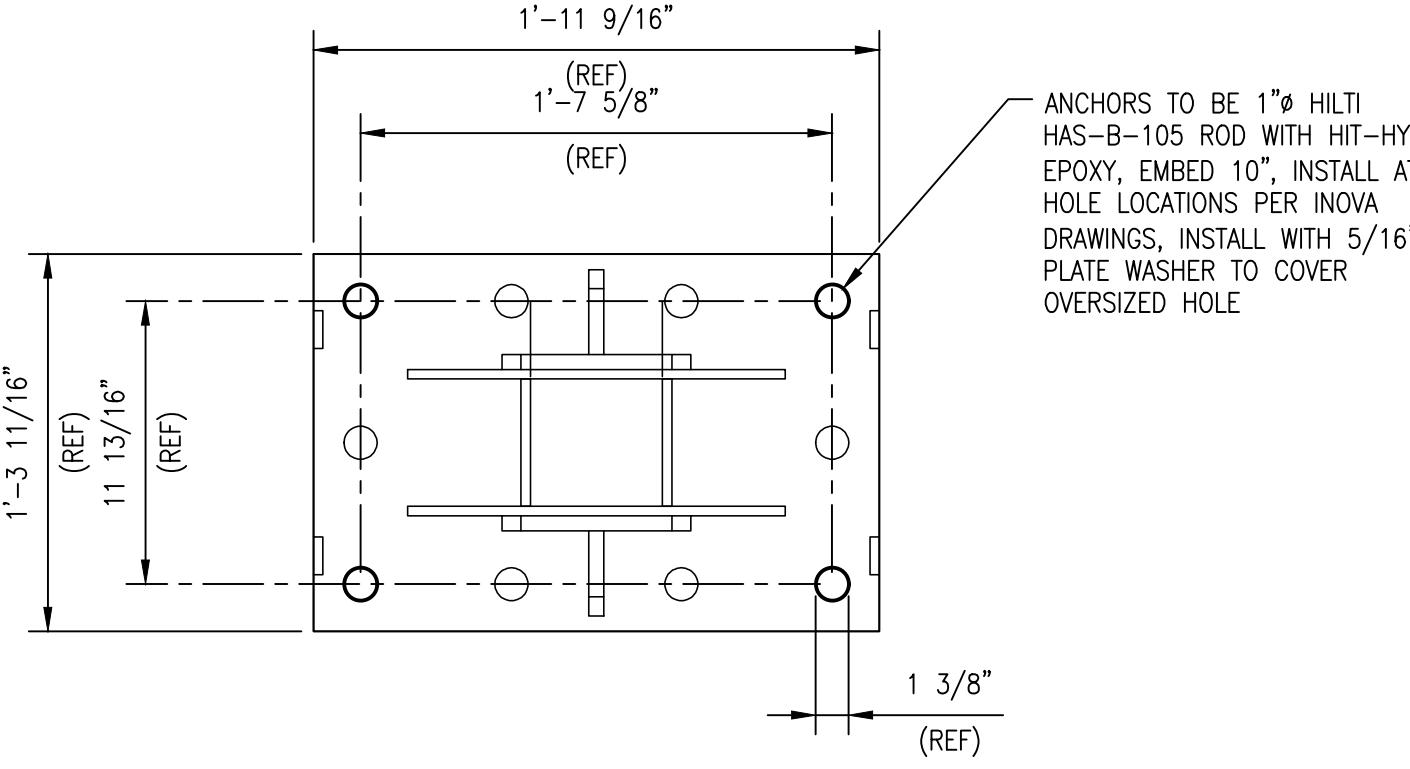


DOOR HARDWARE SCHEDULE:

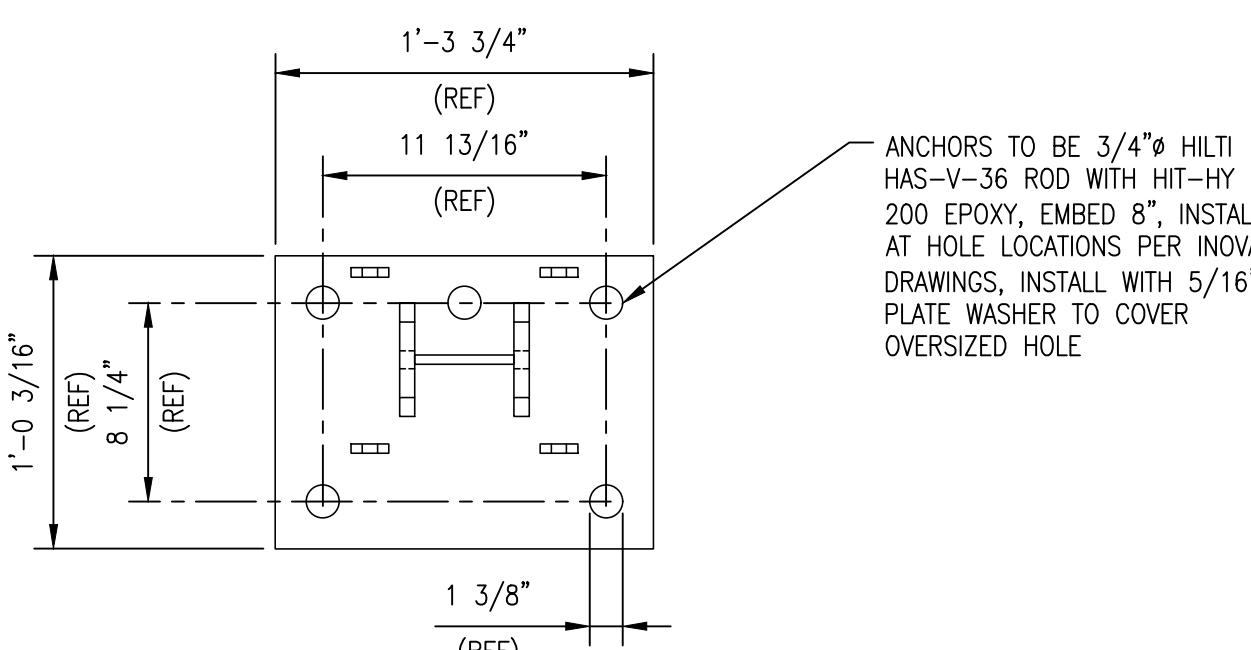
TYPE 1: (EXTERIOR)

- (1 1/2) PAIRS BALL BEARING BUTTS (HOT TOLLED PLATE)
- (1) CLOSER
- (1) CLASSROOM LOCK
- (1) SET OF WEATHER STRIPPING

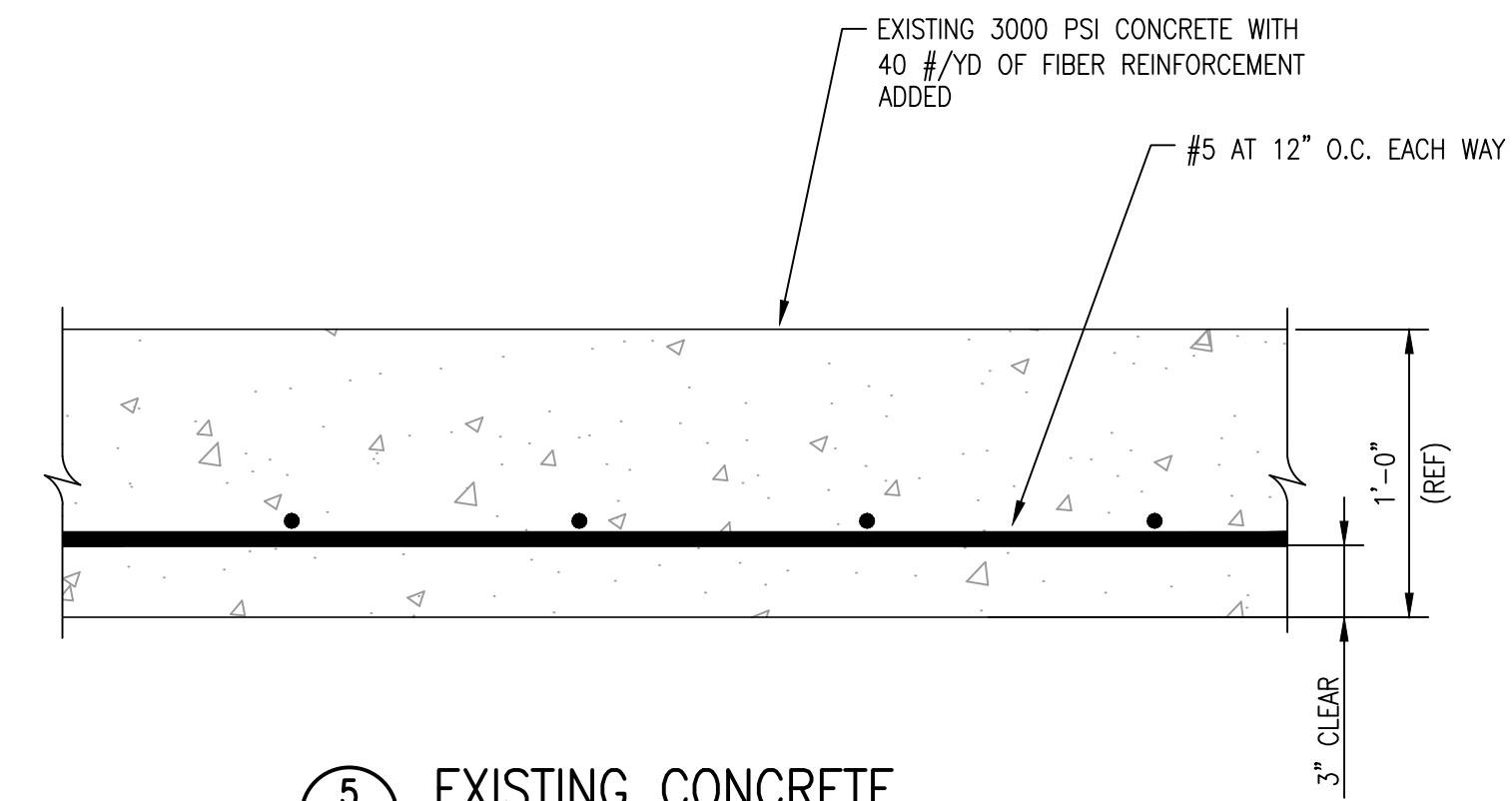
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3 MAIN FRAME ANCHOR DETAIL
02 1 1/2" = 1'-0"



4 WIND COLUMN ANCHOR DETAIL
02 1 1/2" = 1'-0"



5 EXISTING CONCRETE
02 1 1/2" = 1'-0"

NEW BUILDING NOTES:

- STORAGE TENT
- OCCUPANCY CLASSIFICATION: S-2
- CONSTRUCTION TYPE: V-B
- AREA ADDED: 13,800 SF
- TABLE 503 AREA: 13,500 SF
- FRONTAGE INCREASE 13.8%
- MAX AREA: 15,300 SF
- NO FIRE SPRINKLER SYSTEM PROVIDED
- ACTUAL BUILDING HEIGHT 39'-8"
- ALLOWABLE BUILDING HEIGHT 50'-0"
- MAX ALLOWABLE EXIT ACCESS TRAVEL DISTANCE = 300'
ACTUAL = 150'
- MAX ALLOWABLE COMMON PATH DISTANCE = 75'
ACTUAL = 75'
- NONCONDITIONED SPACE.

EXIT = EXIT SIGNAGE



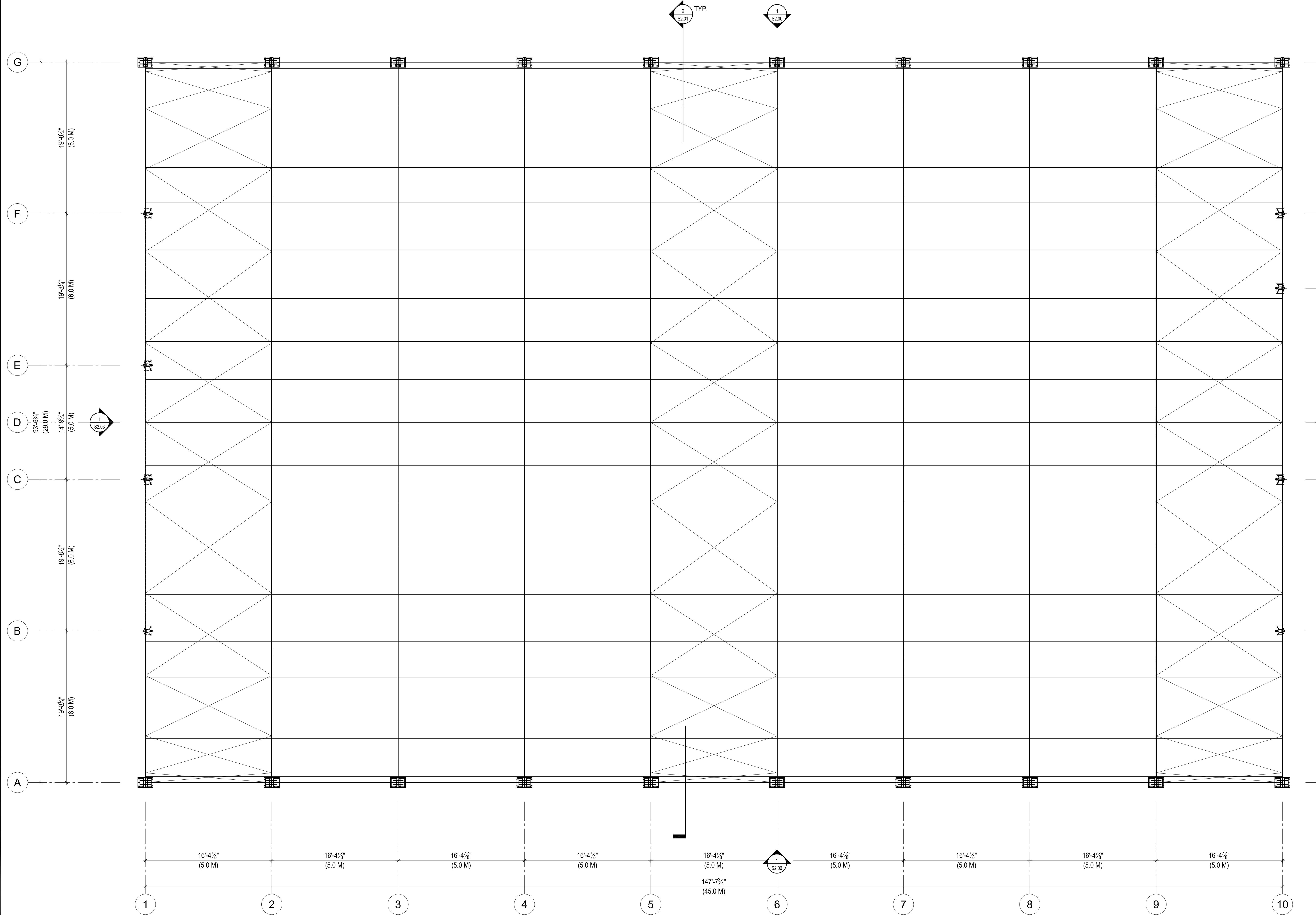
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SCHNITZER STEEL
OAKLAND FACILITY
STORAGE TENT CONSTRUCTION
PLAN VIEW & DETAIL

DRAWN BY	DATE	CHK'D BY	DATE	SCALE	DWG. NO.
CVP	01-24-2023			AS NOTED	22-371B-02

REV. 0



1 PLAN VIEW
SCALE: 3/16" = 1'-0"

ALL SITE 23209: SCHNITZER 29 M X 45 M
PLAN VIEW
1101 EMBARCADERO WEST
OAKLAND, CA 94607

Proj. No.: 122-398
Design: RTI
Drawn: RB
Checked: RCN
Issue Date: 12-09-22

Sheet

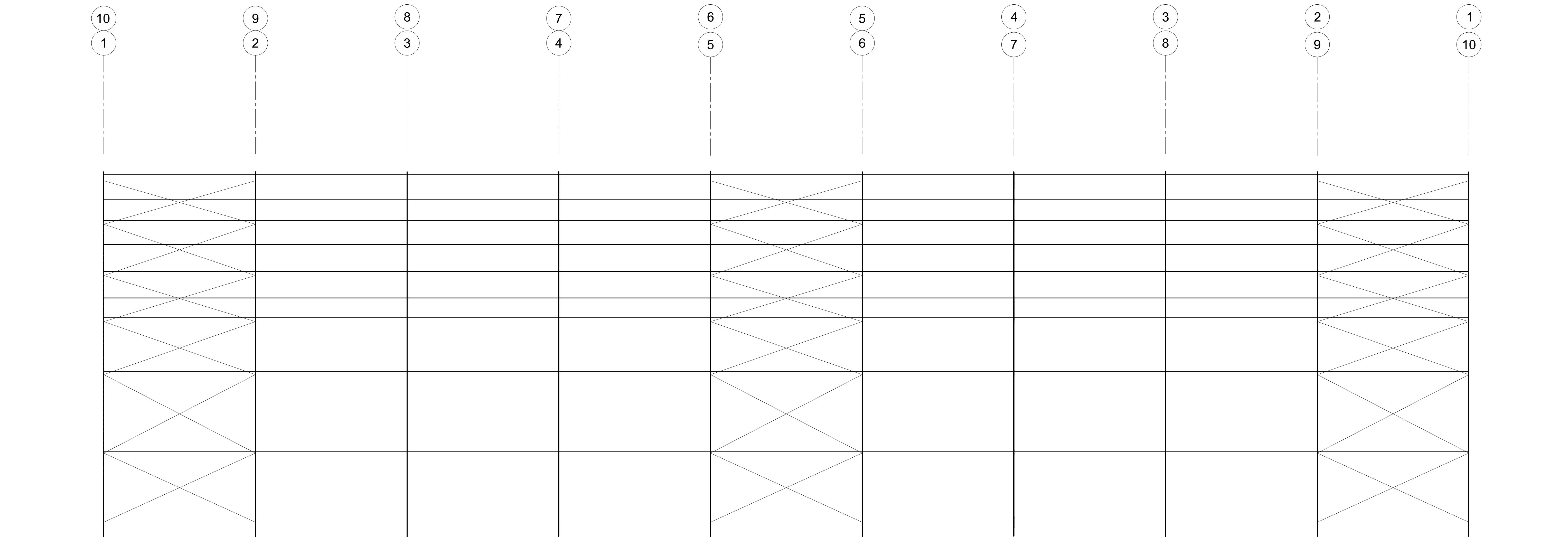
S1.00

Revisions	
Rev.	Description
0	ISSUED FOR PERMIT

By: RTI
Date: 12-15-23

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DAVID T. SAWYER
EXP. 06/30/2024
STATE OF CALIFORNIA
02/15/2023



① ELEVATION VIEW - LONGITUDINAL
SCALE: 3/16" = 1'-0"

NOTE:
SEE PLAN FOR DIMENSIONS.

ALL SITE 23209: SCHNITZER 29 M X 45 M
ELEVATION VIEW
1101 EMBARCADERO WEST
OAKLAND, CA 94607

Proj. No.: 122-398
Design: RTI
Drawn: RB
Checked: RCN
Issue Date: 12-09-22

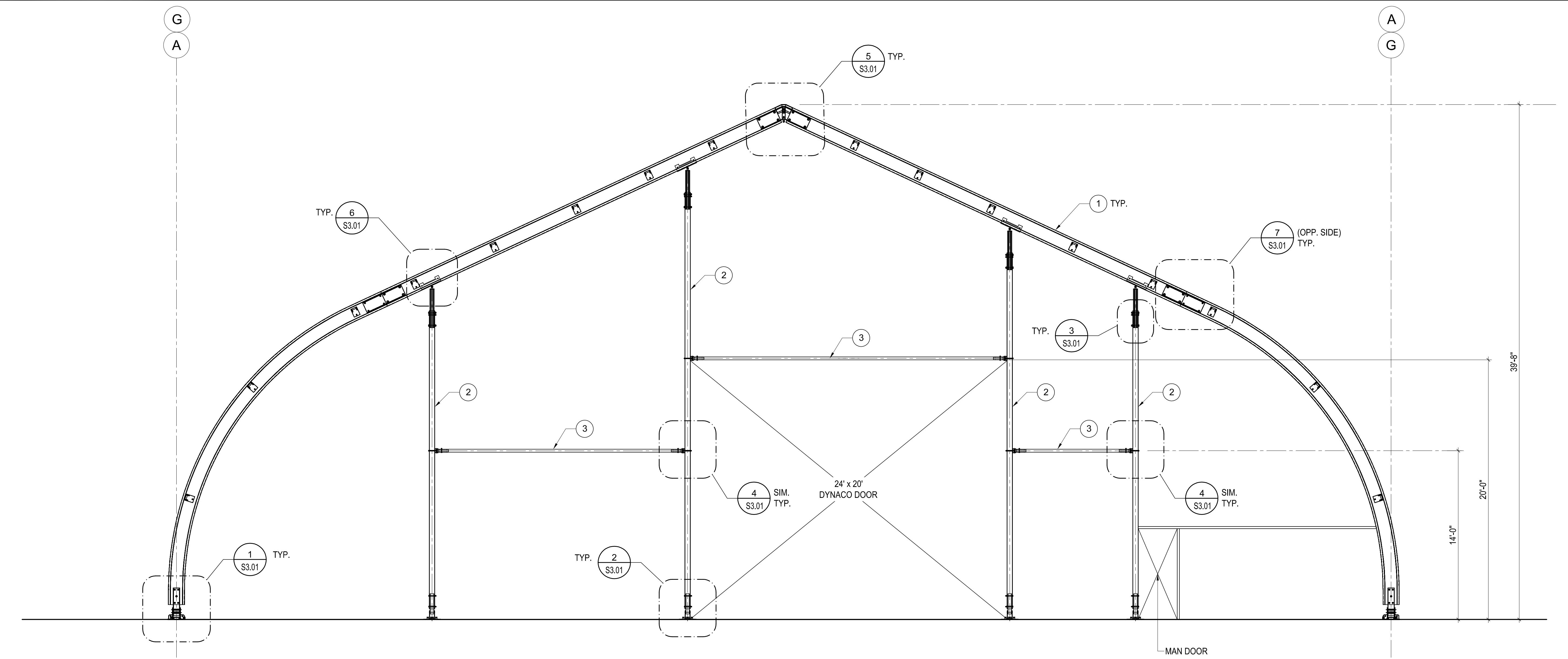
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S2.00

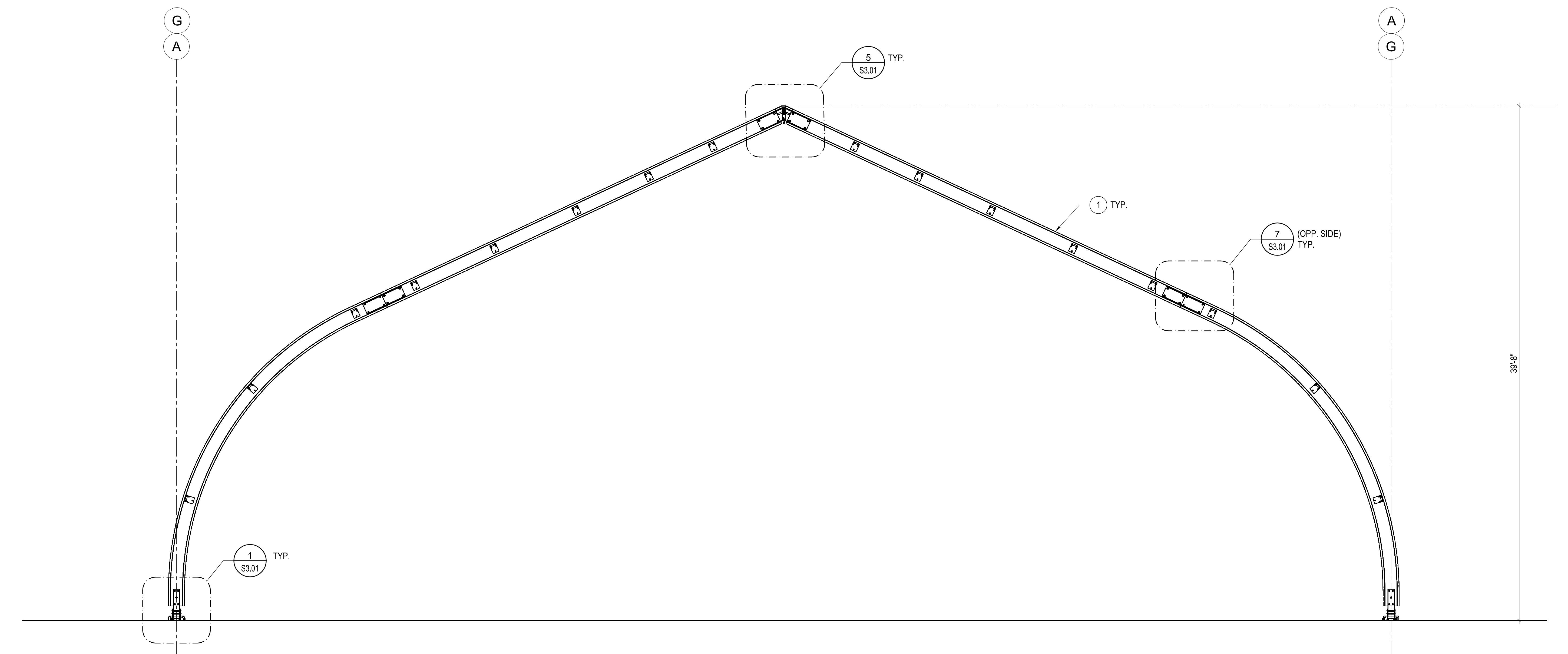
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DAVID T. SAWYER
EXP. #84875
06/30/24
STRUCTURAL ENGINEERING
CDP-STRUCTURE Engineering
02/15/2023



① ELEVATION VIEW - TRANSVERSE
SCALE: 1/4" = 1'-0"



② INTERIOR FRAME SECTION
SCALE: 1/4" = 1'-0"

NOTES:
1. SEE PLAN FOR DIMENSIONS.
2. SEE S2.02 FOR FRAME MEMBER SIZES.

ALL SITE 23209: SCHNITZER 29 M X 45 M
ELEVATION AND SECTION VIEWS
1101 EMBARCADERO WEST
OAKLAND, CA 94607

Proj. No.: 122-398
Design: RTI
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S2.01


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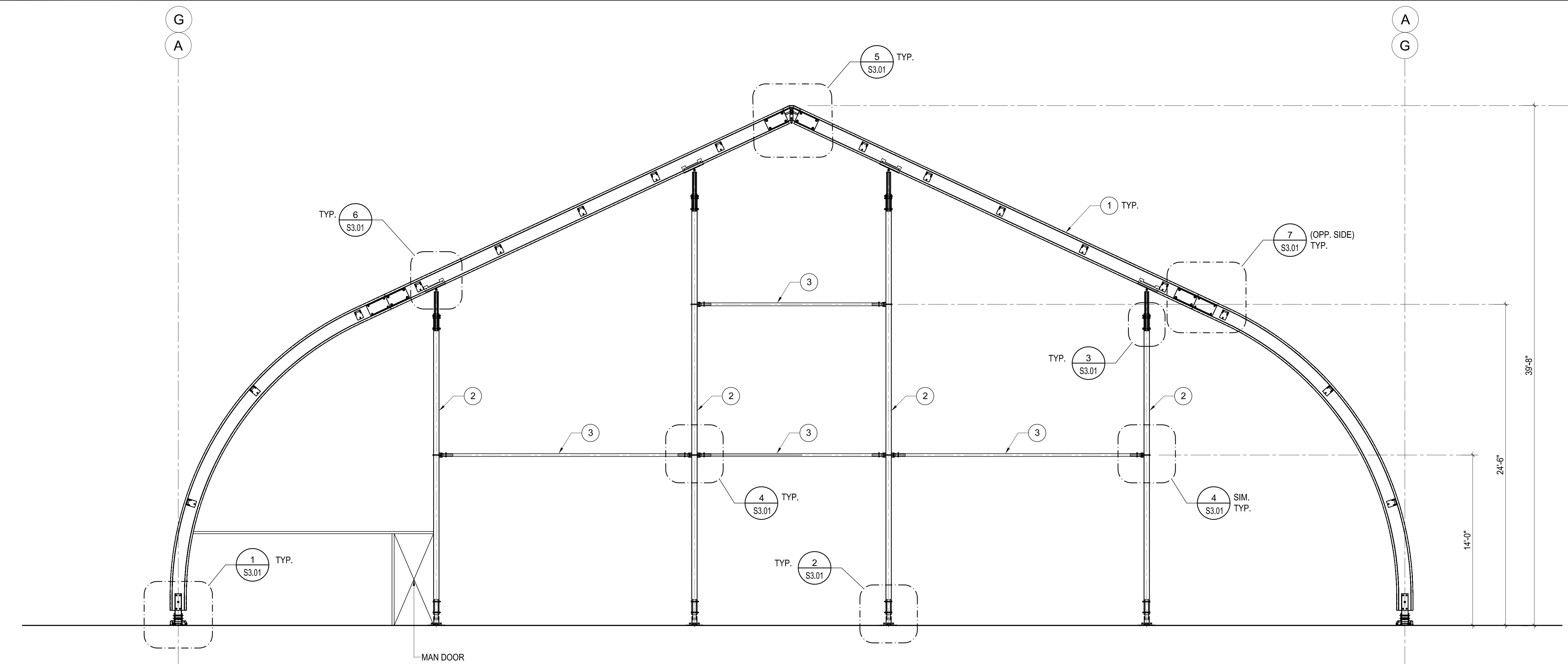
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REISSUED BY: DAVID S. JONES, PE, S.E.
EXPIRED: 05/31/24
02/15/2023





① ELEVATION VIEW - TRANSVERSE
SCALE: 1/4" = 1'-0"

ALL SITE 23209: SCHNITZER 29 M X 45 M
ELEVATION VIEW
1101 EMBARCADERO WEST
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S2.03

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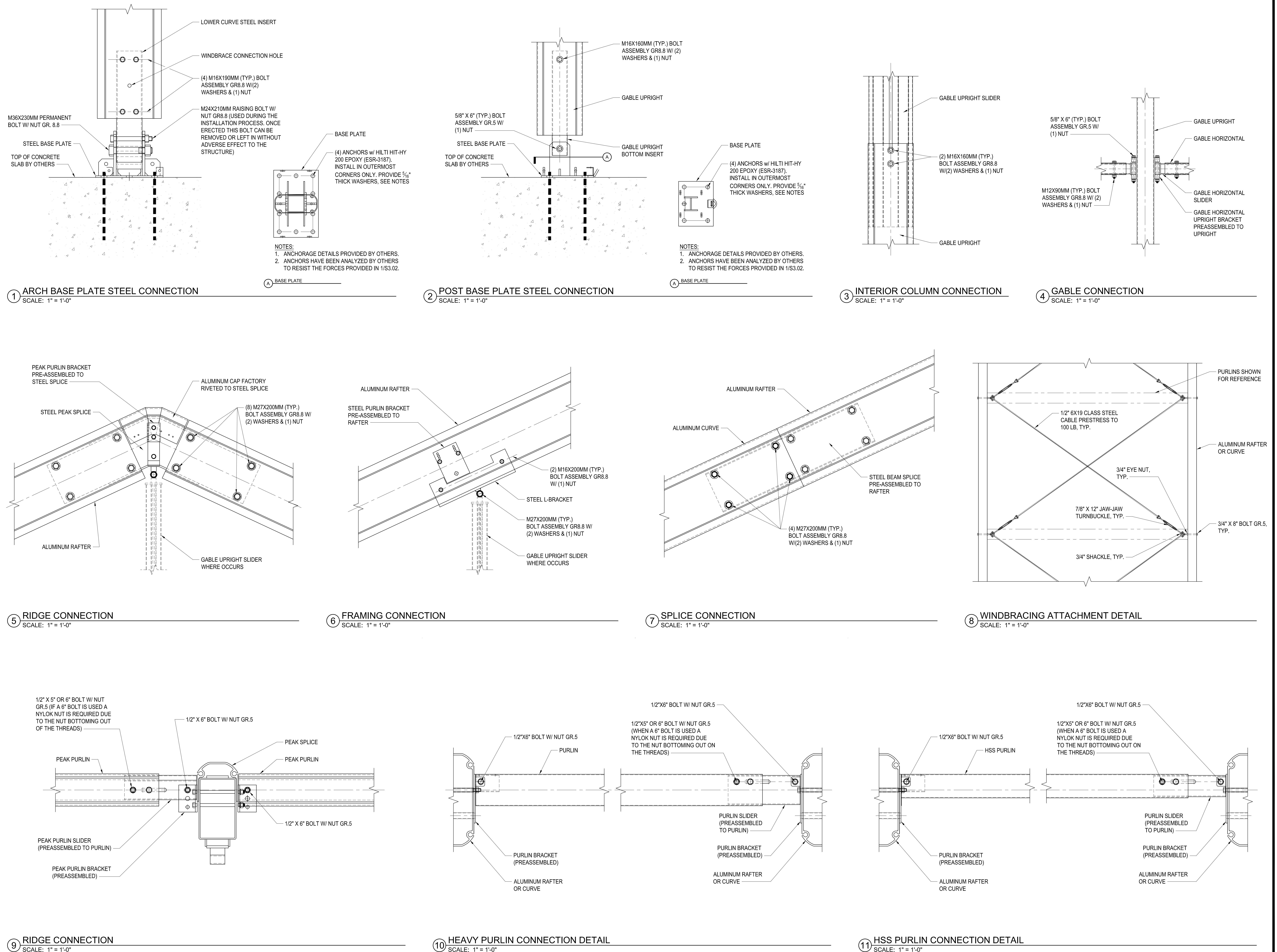
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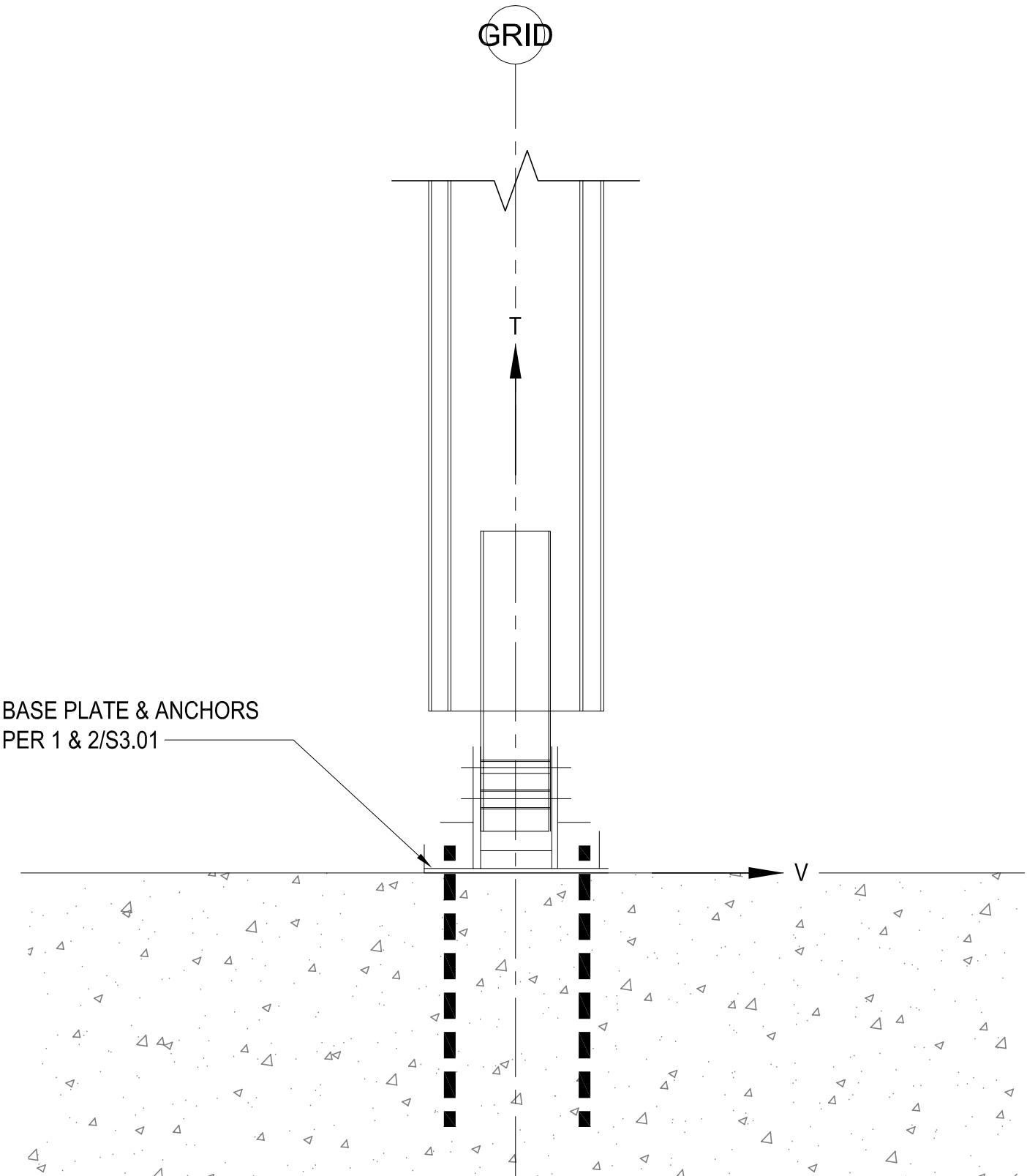
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02/2023





**ANCHOR LOAD DESIGN CRITERIA
(INCLUDING OVERSTRENGTH FACTOR)**

PARAMETER	CABLE-BRACED ARCH	NON-BRACED ARCH	POST
TENSION LOAD "T" (KIPS)	21	7.6	11.6
SHEAR LOAD "V" (KIPS)	18	5.2	3.1

NOTES:
 1. ANCHORAGE DESIGN, INCLUDING ANY EFFECTS ON SLAB INTEGRITY, IS BY OTHERS.
 2. ANCHORS MUST RESIST THE COMBINED SHEAR AND TENSION LOADS SHOWN.
 3. LOAD DEMANDS SHOWN INCLUDE AN OVERSTRENGTH FACTOR OF 2.0.

① STAKE PULL-TEST CRITERIA

SCALE: N.T.S.

ALL SITE 23209: SCHNITZER 29 M X 45 M
DETAILS
1101 EMBARCADERO WEST
OAKLAND, CA 94607

Proj. No.: 122-398
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S3.02

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