

WELDING

ALL WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED TO PERFORM THE TYPE OF WORK REQUIRED AS DEFINED BY THE AWS "STANDARD QUALIFICATION PROCEDURE FOR WELDING PERSONNEL" (AWS D1.1). ALL WELDING SHALL BE DONE WITH ARGON ELECTRODES SHALL BE E70 SERIES. ALL ELECTRODES SHALL BE LOW HYDROGEN WITH A MINIMUM CUMULATIVE VALUE OF 20 FT-LBS AT MINUS 20°F. THE ONLY EXCEPTIONS TO THIS REQUIREMENT SHALL BE FOR THE WELDING OF 1/2" THICK OR THICKER LIGHT GAUGE STEEL. WELD METAL TOUGHNESS SHALL BE REPORTED ON THE ELECTRODE MANUFACTURER'S CERTIFICATE OF COMPLIANCE. THE FILLER METAL MANUFACTURER'S CERTIFICATE OF COMPLIANCE SHALL BE A BASIS FOR DETERMINING THE ALLOWABLE RANGE OF ESSENTIAL VARIABLES FOR THE PREQUALIFIED WELDING PROCEDURE SPECIFICATION (WPS). TACK WELDS, AIR-ARGON GOUGING, AND FLAME CUTTING SHALL BE PERFORMED IN ACCORDANCE WITH THE WELDING PROCEDURE INCORPORATION INTO THE FINAL NIP. ALL WELDING AT MOMENT-FRAME AND BRACED-FRAME CONNECTIONS SHALL BE PERFORMED PER THE ADDITIONAL REQUIREMENTS D1.8. ALL WELDING SHALL BE IN COMPLIANCE WITH AISI SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS.

CONSTRUCTION LIABILITY. THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IT IS A NECESSARY AND INHERENTLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF PROJECT CONSTRUCTION, AND TO MAINTAIN THE SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY RESULTING FROM ANY NEGLIGENCE OR IMPROPER PERFORMANCE OF WORK IN THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR
CONTRACTOR SHALL REVIEW AND COMPLY WITH CONTRACTOR
RESPONSIBILITIES FOR SPECIAL INSPECTION AS DEFINED BY CBC SECTION
1704.4.

1. PLANS AND CALCULATIONS FOR THE STRUCTURAL DESIGN WERE BASED UPON:

- 2016 CALIFORNIA BUILDING CODE & CALIFORNIA EXISTING BUILDING CODE
- ASCE STANDARD 7-10
- RECORD STRUCTURAL DRAWINGS BY HARRIS A. MINER & ASSOCIATES, PROJECT 347.0100, DATED MARCH 11, 2000

2. DESIGN DATA IS AS FOLLOWS:

VERTICAL

ROOF LIVE LOAD	20 PSF (REDUCIBLE)
ROOF DEAD LOAD	20 PSF (ASSUMED)
C/W WALL DEAD LOAD	20 PSF

LATERAL

SEISMIC BASE SHEAR COEFFICIENT

$$V = C_a W$$

$C_a = (S_d \cdot I) / (R \cdot I) = 0.16$

SEISMIC DESIGN CATEGORY = D

$I = 1.0$ (OCCUPANCY IMPORTANCE FACTOR)

$R = 5.0$ (SPECIAL REINFORCED MASONRY SHEARWALLS)

$S_1 = 0.43, S_2 = 1.87, S_3 = 0.85$

$S_1 = 1.14, S_2 = 1.04, S_3 = 0.40$

SOIL SITE CLASS "D"

WIND PRESSURE: ASCE 7-10, ENVELOPE PROCEDURE (PART 2)

$$F_s = \lambda K_{zt} F_{po}$$

$\lambda = 1.0$ (EXPOSURE CATEGORY C)

$$K_{zt} = 1.0$$

F_{po} VARIES PER STRUCTURE LOCATION/ELEMENT

$V = 110$ MPH FOR RISK CATEGORY II BUILDINGS AND OTHER STRUCTURES

FOUNDATIONS (ASSUMED MINIMUM PER CBC TABLE 1806.2)

BEARING PRESSURES

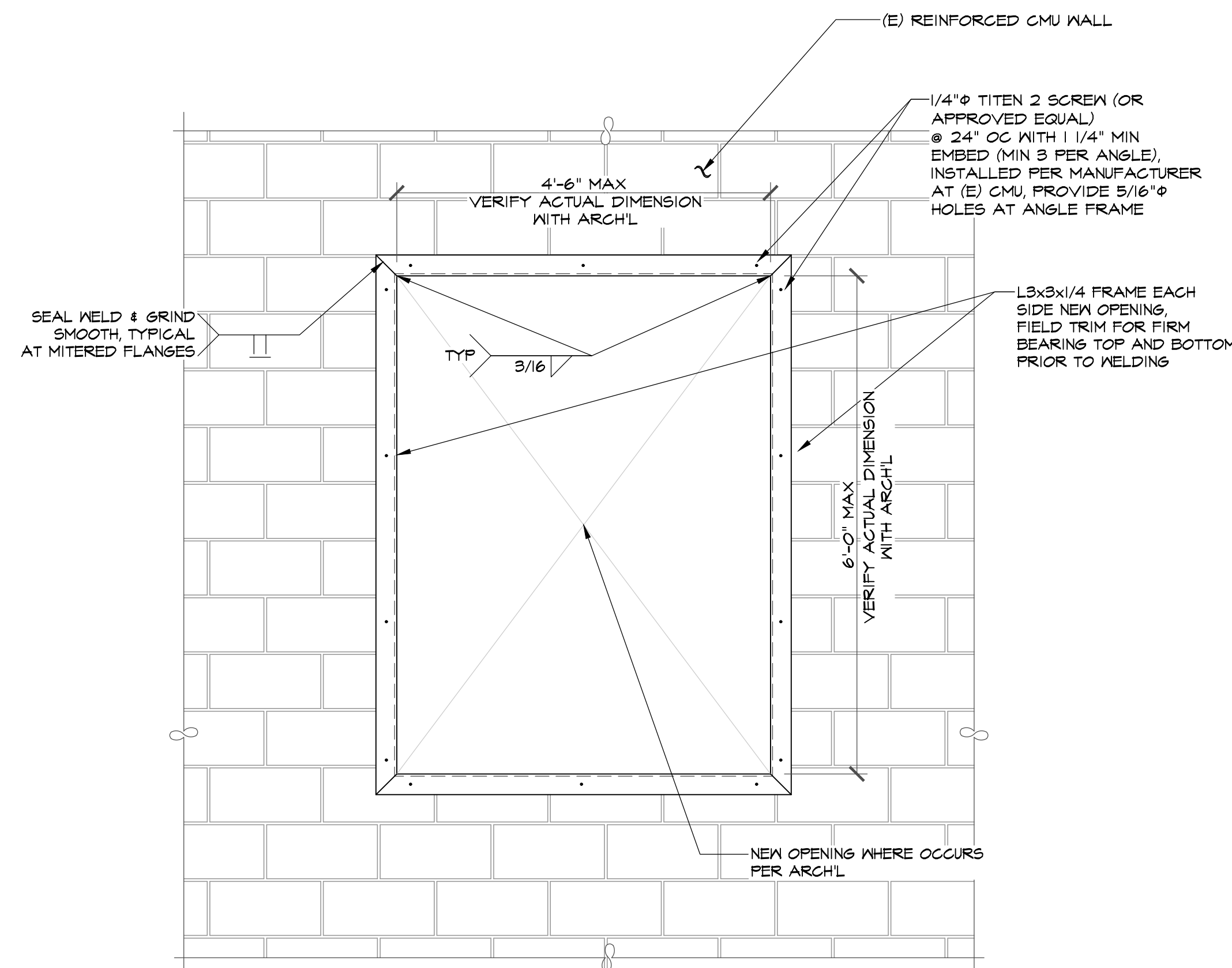
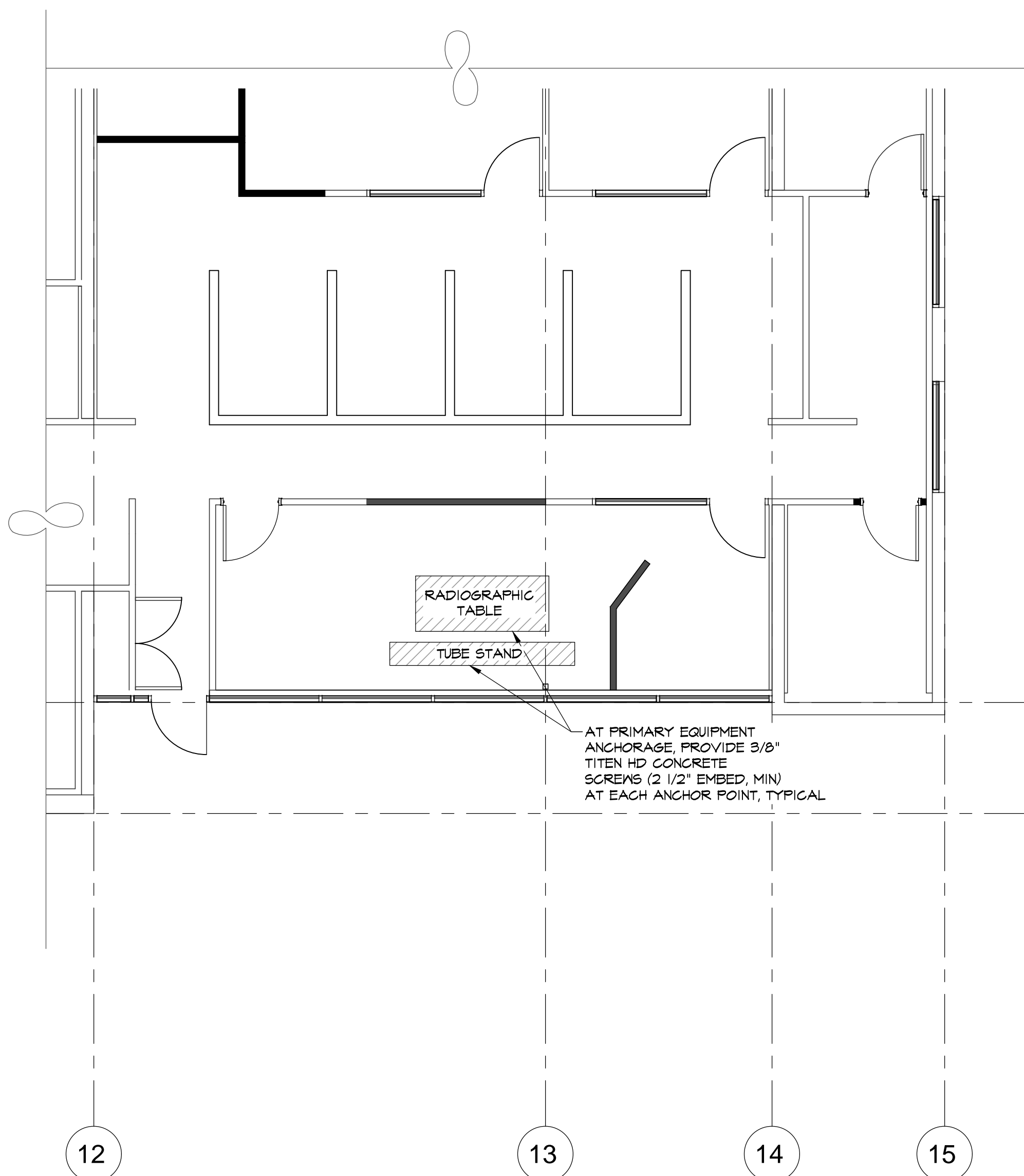
1,500 PSF (DEAD + LIVE LOADS)
2,000 PSF (DEAD + LIVE + SEISMIC/WIND LOADS)
0.35

FRICITION COEFFICIENT

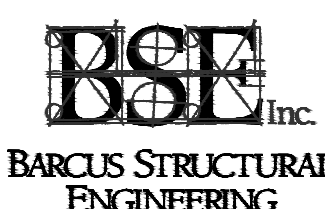
EQUIVALENT PASSIVE PRESSURE 150 PCF

AB	ANCHOR BOLT	EN	EDGE NAILING	FJP	FINAL JOINT
ADJ	ADJUSTABLE	ELEV	ELEVATION	FP	PARTIAL PENETRATION
AEV	ENGINEER	ENG	ENGINEER	PLYWOOD	PLYWOOD
ADJ	ADDITIONAL	EQ	EQUAL	PSF	POUNDS PER
ACI	AMERICAN	EQUIP	EQUIPMENT	PSF	SQUARE FOOT
	CONCRETE	EXIST (E)	EXISTING		
	INSTITUTE	EXP	EXPANSION		SQUARE INCH
AESS	ARCHITECTURALLY	FIN	FINISH	PRESS FT	PRESSURE
	EXPLODED STRUCTURAL	FN	FINISH NAILING		PRESSURE PER
	STEEL	FLR	FLOOR	FT	TREATED
AISC	AMERICAN	FTG	FOOTING	R	RADIUS
	INSTITUTE OF	FR	FRAMING	REIN	REINFORCING
	STEEL CONSTR.	FRMS	FRAMING	REQD	REQUIRED
ASTM	AMERICAN SOCIETY	FRS	FRS SIDE	RM	ROOM
	TESTING &	G	GAUGE	SCH	SCHEDULE
	MATERIALS	GALV	GALVANIZED	SHTS	SHEATHING
ARCH	ARCHITECTURAL	GLB	GULUM BEAM	SHT	SHEET
BM	BEAM	GRD	GRADE	SIM	SIMILAR
BD	BOARD	HD	HOLD/DOWN/HOT-DIPPED	SLRS	SEISMIC LOAD
BLK	BLOCK	HSR	HANSEER		RESISTING
BLCKS	BLOCKING	HDR	HEADER		SYSTEM
BOT	BOTTOM	HT	HEIGHT	SMF	SPECIAL MOMENT
BLDG	BUILDING	HG	HIGH STRENGTH		FRAME
BN	BOUNDARY NAILING	ID	INTERNAL	SPEC	SPECIFICATION
BC	CALIFORNIA BUILDING	IN	INCH	SELECT	SELECT STRUCTURAL
	CODE	IRZ	INSIDE DIAMETER	SSMA	STEEL STUD
CLS	CEILING	INT	INTERIOR		MANUFACTURERS
CLR	CLERK	JST	JOIST		ASSOCIATION
CMU	COLUMN	LAM	LAMINATED	STGR	(STAGGERED)
	CONCRETE	LT HT	LIGHT HEIGHT	STD	STANDARD
	MASONRY	MAS	MASONRY	STEEL	STEEL
	UNIT	MAX	MAXIMUM	STIFF	STIFFENER
CJ	CONSTRUCTION	ME	MACHINE BOLT	STRUCT	STRUCTURAL
	JOINT	MBL	METAL BUILDING	SQ	SQUARE
C-J	COMPLETE JOINT	MANUF	MANUFACTURER	SYM	SYMMETRICAL
	PENETRATION	MTL	METAL	THK	THICK
CONN	CONNECTION	MIN	MINIMUM	TOP	TOP OF SLAB/STEEL
CONN	CONNECTION	(N)	NEEN	TO	TOP OF
CONST	CONSTRUCTION	NTS	NOT TO SCALE	UNO	UNLESS
CONT	CONCRETE	NO R #	NO		NOTED
CSK	COUNTERSINK	NS	NEAR SIDE		OTHERWISE
DEMO	DEMOLISH/DEMOLITION	OC	ON CENTER	VERT	VERTICAL
DET	DETAIL	OP	OPPOSITE	WGT	WEIGHT
DIAG	DIAGONAL	OPP	OPPOSITE	WELD	WELDED JOINT
DIA (d)	DIAMETER	OUT	OUTSIDE DIAMETER		FABRIC
DM	DOUBLE MEMBER	OPEN-WEL	OPEN WELDED	W/M	WELDED WIRE
DNB	DOUBLE	PAF	POWER ACTUATED		MESH
DWS	DRAWING	FASTEN	FASTENER		WIDE FLANGE
EAG	EDGE	FLATE	FLATE	W/	W/
EA	EDGE FASTENING	PENNY(D)	NAILS SIZE	NTH	NTH

2	SPECIAL INSPECTIONS
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1 NEW WINDOW OPENING AT (E) CMU WALL
1/2" = 1'-0"



TENANT IMPROVEMENTS
SAN JOAQUIN VALLEY PULMONARY
 5801 TRUXTUN AVE, BAKERSFIELD CA

DATE	ISSUED FOR	MARK
07/01/19	OWNER SD SUBMITTAL	△
08/15/19	GA SUBMITTAL	△
		△
		△
		△
		△
		△

Project No. : 19KLC-09

**STRUCTURAL
SPECIFICATIONS,
PARTIAL LAYOUT
PLANS & DETAIL**

\$1.0



The above drawings and specifications and notes, designs and arrangements represented thereby are and shall remain the property of the architect; and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these instructions.

Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding.