

**GENERAL NOTES**

- THE SEAL THAT APPEARS ON THESE DRAWINGS IS THE SEAL OF THE ENGINEER FOR THIS BUILDING MANUFACTURER WHO IS NOT THE ENGINEER OF RECORD.
- CERTIFICATION RESTRICTION:  
ENGINEER'S CERTIFICATION IS STRICTLY LIMITED TO THE DESIGN OF STRUCTURAL COMPONENTS DESIGNED AND MANUFACTURED BY THIS BUILDING MANUFACTURER. CERTIFICATION EXTENDS ONLY TO THE DESIGN LOADS AND STANDARDS INDICATED ON THESE PLANS. CERTIFICATION DOES NOT EXTEND TO FOUNDATION, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, CIVIL WORK, ARCHITECTURAL RESPONSIBILITIES, OVERALL PROJECT COORDINATION, OR OTHER ASPECTS OF CODE COMPLIANCE NOT SPECIFICALLY REFERENCED BY THE MANUFACTURER'S ORDER DOCUMENTS. CERTIFICATION SHALL NOT EXTEND TO BUILDING ERECTION SUPERVISION OR INSPECTION.
- ANCHOR RODS ARE ASSUMED TO CONFORM TO ASTM STANDARD F1554 GRADE 36, THE PREFERRED MATERIAL PER AISC SPECIFICATIONS. ANCHOR ROD DIAMETERS ARE DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC SPECIFICATIONS. LENGTHS, EMBEDMENTS, HEAD STYLES, METHODS OF TRANSFERRING FORCES FROM THE ANCHOR RODS TO THE FOUNDATION, AND/OR OTHER ASSOCIATED ITEMS OF THE FOUNDATION ARE NOT BY METAL BUILDING MANUFACTURER.
- FOUNDATIONS MUST BE DESIGNED FOR LOCAL SOIL CONDITIONS BY A QUALIFIED FOUNDATION ENGINEER TO SAFELY SUPPORT COLUMN LOADS.
- THIS BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR ERRORS, OMISSIONS OR DAMAGES INCURRED IN THE ERECTION OF BUILDING COMPONENTS NOR FOR THE INSPECTION OF ERECTED COMPONENTS TO ASCERTAIN SAME.
- TEMPORARY BRACING MUST BE INSTALLED BY ERECTOR TO PROVIDE ADEQUATE STABILITY DURING ERECTION. BRACING INDICATED ON THE ERECTION DRAWINGS IS CRITICAL TO THE STABILITY OF THE COMPLETED STRUCTURE AND SHALL NOT BE REMOVED.
- WALL & LINER PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. UNAUTHORIZED REMOVAL OF PANELS IS PROHIBITED.
- FOR ALL BUILDINGS EXCEPT THOSE SITED IN CANADA, ALL FIELD WELDING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) BY AWS CERTIFIED WELDERS QUALIFIED TO PERFORM THE WELDING AS DIRECTED BY THE APPLICABLE WELDING PROCEDURE SPECIFICATION (WPS); FOR BUILDINGS SITED IN CANADA, ALL FIELD WELDING SHALL BE DONE IN ACCORDANCE WITH CSA (CANADIAN STANDARDS ASSOCIATION) WELD STANDARDS BY CWB (CANADIAN WELDING BUREAU) CERTIFIED WELDERS QUALIFIED TO PERFORM THE WELDING AS DIRECTED BY THE APPLICABLE WELDING PROCEDURE SPECIFICATION (WPS). A WPS SHALL BE PREPARED BY THE CONTRACTOR FOR EACH WELDING VARIATION SPECIFIED, UNLESS OTHERWISE APPROVED. USE A MINIMUM OF E70XX ELECTRODES. THE CONTRACTOR SHALL PROVIDE FOR ANY SPECIAL WELDING INSPECTION AS REQUIRED BY CODE.
- ERECTION OF THIS METAL BUILDING SYSTEM SHALL COMPLY, AT A MINIMUM, WITH THE APPLICABLE ERECTION TOLERANCES STIPULATED IN SECTION 7 OF AISC 303 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, SECTION 29 OF CSA S16 DESIGN OF STEEL STRUCTURES, AND SECTION 6 OF MBMA COMMON INDUSTRY PRACTICES.
- FOR ALL BUILDINGS EXCEPT THOSE SITED IN CANADA, ALL WELDING PERFORMED BY METAL BUILDING MANUFACTURER HAS BEEN DONE IN ACCORDANCE WITH AWS WELD PROCEDURES BY AWS CERTIFIED WELDERS OR WITH CSA WELD PROCEDURES BY CWB CERTIFIED WELDERS. FOR ALL BUILDINGS SITED IN CANADA, ALL WELDING PERFORMED BY METAL BUILDING MANUFACTURER HAS BEEN DONE IN ACCORDANCE WITH CSA WELD PROCEDURES BY CWB CERTIFIED WELDERS.
- THE PREFERRED ATTACHMENT DETAIL FOR A PURLIN HANGER IS AN ATTACHMENT TO THE BACK OF THE WEB OF THE PURLIN. PROVIDING THIS METHOD OF ATTACHMENT WILL ENABLE COMPLIANCE WITH THE HANGING LOAD REQUIREMENTS OF NFPA 13:9.2.1.3.1. C-CLAMPS SHALL NEVER BE DIRECTLY ATTACHED TO THE LIP OF THE PURLIN FLANGE AND MUST NEVER CAUSE DEFORMATION OF ANY PART OF THE PROFILE OF THE PURLIN.



**EMPIRE STEEL BUILDINGS**  
 5230 CARROLL CANYON RD. #300  
 SAN DIEGO, CALIFORNIA 92121  
 PHONE: 858-362-0464  
 ENG. FAX: 858-362-0470  
 www.empirebuilt.com

**BUILDING INFORMATION**

JOB NUMBER: X3820/X3821/X3822  
 NAME: CHUCK MINYARD - DISTRIBUTION  
 ADDRESS: 16454 ADELANTO RD  
 CITY, STATE: ADELANTO, CA 92301  
 BUILDER: EMPIRE STEEL BUILDINGS

**PANEL, TRIM AND FRAMING INFORMATION**

**ROOF PANELS**

TYPE: ADP1 GAUGE: 26 COLOR: GALVALUME  
 UL90 CERTIFICATION: NO

**TRIM**

RAKE: GAUGE: 26 COLOR: \_\_\_\_\_  
 EAVE: GAUGE: 26 COLOR: \_\_\_\_\_  
 GUTTER HIGH CAPACITY: GAUGE: 26 COLOR: \_\_\_\_\_  
 DOWNSPOUT: (QTY) 44 GAUGE: 26 COLOR: \_\_\_\_\_  
 HEADER: GAUGE: 26 COLOR: \_\_\_\_\_  
 JAMB: GAUGE: 26 COLOR: \_\_\_\_\_  
 COPED FLASHING: GAUGE: 26 COLOR: \_\_\_\_\_  
 BASE SEAL: GAUGE: 26 COLOR: \_\_\_\_\_  
 CORNER: GAUGE: 26 COLOR: \_\_\_\_\_  
 SOFFIT: GAUGE: 26 COLOR: \_\_\_\_\_

**WALL PANELS**

TYPE: ADP1 GAUGE: 26 COLOR: \_\_\_\_\_

**PRIMARY FRAMING**

MAIN FRAMES: DARK GRAY PRIMER  
 ENDWALL FRAMES: DARK GRAY PRIMER  
 WIND COLUMNS & BENTS: DARK GRAY PRIMER

**SECONDARY FRAMING**

GIRTS, EAVE STRUTS, PURLINS: GALVANIZED  
 DOOR/FRAMED OPNG. CLIPS: GALVANIZED  
DARK GRAY PRIMER

**MATERIAL PROPERTIES**

- |                                     |   |
|-------------------------------------|---|
| 1. STRUCTURAL WELDED SECTIONS       | ASTM A572, A529 OR A1011, GR. 55  |
| 2. HOLLOW STRUCTURAL SECTIONS (HSS) | ASTM A500, GR. B  |
| 3. STEEL PIPE                       | ASTM A501 OR A53, GR. B. Fy=36 KSI  |
| 4. HOT ROLLED SECTIONS              | ASTM A572, A529 OR A992, GR. 50   |
| 5. HOT ROLLED ANGLE                 | ASTM A36, Fy=36 KSI OR A572, GR. 50   |
| 6. HOT ROLLED ROD                   | ASTM A572, Fy=50 KSI OR Fy=60 KSI   |
| 7. CABLE BRACING                    | ASTM A475, EXTRA HIGH STRENGTH  |
| 8. COLD FORMED ROLLED SECTIONS      | ASTM A1011 SS GR. 55 OR HSLAS GR. 55 CLASS 1, ASTM A653 SS GR. 55 OR HSLAS GR. 55 CLASS 1 (G40 GALV.), OR ASTM A653 SS GR. 50 CLASS 1 (G90 GALV.) |
| 9. ROOF AND WALL SHEETING           | ASTM A792, GR. 50 OR GR. 80   |
| 10. HIGH-STRENGTH BOLTS             | ASTM A325, ASTM A325T   |
| 11. SECONDARY MEMBER CONNECTIONS    | ASTM A307, ASTM A325, ASTM A325T  |
| 12. WASHERS                         | ASTM F436   |

**IMPORTANT TRIM & PANEL INFORMATION**

WHEN HANDLING LONG TRIM, CARE SHOULD BE TAKEN TO AVOID DAMAGE CAUSED BY BUCKLING.  
 ALL TRIM COMPONENTS HAVE A PROTECTIVE FILM ON THE COLORED SURFACE THAT MUST BE REMOVED PRIOR TO INSTALLATION. PROLONGED EXPOSURE TO RAIN AND/OR SUNLIGHT WILL ADVERSELY EFFECT THE PROTECTIVE FILM MAKING REMOVAL DIFFICULT. THIS BUILDING MANUFACTURER WILL ACCEPT NO RESPONSIBILITY FOR TRIM WHOSE PROTECTIVE FILM HAS BEEN EXPOSED FOR MORE THAN 3 WEEKS.

TRIM/PANELS ARE MADE OF THIN GAUGE METAL AND HAVE LARGE FLAT SURFACES WHICH CAN CAUSE THE TRIM/PANEL TO HAVE A WAVINESS ACROSS THE FLAT AREAS. THIS NATURALLY OCCURRING CONDITION IS OFTEN REFERRED TO AS OIL CANNING AND IS NOT A CAUSE FOR REJECTION.

**SHOP PRIMED STEEL:**

METAL BUILDING MANUFACTURER (MBM) IS NOT RESPONSIBLE FOR REPAIRS OF DAMAGED PRIMED SURFACES OR REMOVAL OF FOREIGN MATERIAL DUE TO IMPROPER STORAGE OR SITE CONDITIONS. MBM IS NOT RESPONSIBLE FOR DETERIORATION OF THE SHOP COAT PRIMER OR CORROSION DUE TO ATMOSPHERIC OR ENVIRONMENTAL CONDITIONS, NOR THE COMPATIBILITY OF THE PRIMER TO ANY FIELD APPLIED COATING. MBM WILL NOT BE RESPONSIBLE FOR CORROSION OR DAMAGE TO A PRIME PAINTED STRUCTURAL STEEL MEMBER THAT IS A DIRECT RESULT OF IMPROPER HANDLING, IMPROPER STORAGE, OR DUE TO SITE OR ATMOSPHERIC CONDITIONS. MBM ADVISES THAT PRIMARY STRUCTURAL MEMBERS BE INSPECTED UPON RECEIPT AND IMMEDIATELY NOTIFY MBM IF ANY MEMBERS APPEAR TO HAVE A PRIMER DEFICIENCY SO THAT MBM MAY IMMEDIATELY INVESTIGATE AND ADDRESS AS NEEDED.

MBM STRUCTURAL MEMBERS THAT ARE NOT ALREADY FABRICATED OF CORROSION RESISTANT MATERIAL OR PROTECTED BY A CORROSION RESISTANT COATING ARE PAINTED WITH ONE COAT OF SHOP PRIMER IN ACCORDANCE WITH SSPC-15 (STRUCTURAL STEEL PAINTING COUNCIL). MEMBERS ARE CLEANED IN ACCORDANCE WITH SSPC-SP1 AND SSPC-SP2 PRIOR TO APPLICATION WITH A MINIMUM OF 1.0 MILS DRY THICKNESS. THE SHOP COAT PRIMER IS INTENDED TO PROVIDE TEMPORARY PROTECTION TO THE COATED MATERIAL DURING DELIVERY AND FOR SHORT PERIODS OF EXPOSURE TO ORDINARY ATMOSPHERIC CONDITIONS. THE PRIMER IS NOT INTENDED TO PERFORM AS, NOR BE AN EQUIVALENT SUBSTITUTE FOR, A FINISH COAT SYSTEM NOR AS A BASE FOR A FINISH COAT SYSTEM. CARE SHOULD BE TAKEN IN PLANNING A PROJECT SCHEDULE AND JOB SITE STORAGE TO LIMIT LONG-TERM EXPOSURE TO THE ELEMENTS. PRIMED STEEL WHICH IS STORED IN THE FIELD PENDING ERECTION SHOULD BE KEPT FREE OF THE GROUND, AND POSITIONED TO MINIMIZE WATER-HOLDING POCKETS, MUD, OR OTHER CONTAMINANTS. CORROSION MAY RESULT FROM LONG TERM EXPOSURE TO ATMOSPHERIC OR SITE CONDITIONS. ABRASIONS TO THE SHOP COAT CAUSED BY HANDLING, SHIPPING, UNLOADING, AND ERECTING ARE UNAVOIDABLE. IF THE STEEL SUBSTRATE IS EXPOSED, IT WILL RUST IN THE PRESENCE OF MOISTURE. AS LONG AS THE EXPOSURE IS NOT CONTINUOUS, THE STRUCTURAL INTEGRITY OF THE MEMBER IS NOT COMPROMISED. MBM CAN SUPPLY ADDITIONAL PRIMER UPON REQUEST AT AN ADDITIONAL COST. THE PRIMER COAT IS NOT A FINISH COAT AND POST APPLICATION OF SUPPLEMENTAL PRIMER MAY YIELD CONTRASTING COLOR VARIATIONS DEPENDENT ON APPLICATION METHOD, THICKNESS, OR LOCATION.

**INSULATION**

	BY NONE	BY OTHERS	BY MBM*	THICKNESS OVER ZEE	VAPOR BARRIER FLANGE BR. CLIP	RIGID BOARD
ROOF:	_____	_____	_____	4"	_____	_____
WALL:	_____	_____	_____	4"	_____	_____

\* METAL BUILDING MANUFACTURER

A1 = ADP1 PANEL A2 = ADP2 PANEL

**BUILDING DESIGN CRITERIA**

DESIGN LOADS ARE APPLIED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE BUILDING CODE LISTED BELOW.

BUILDING CODE : 2019 California Building Code  
 RISK CATEGORY : II - Normal

**GRAVITY LOAD DATA**

ROOF LIVE LOAD (psf,\*) : 20.00  
 MIN. ROOF SNOW LOAD (psf) : 5.00  
 Pg (psf) : 5.00  
 Pf (psf) : 3.5  
 SNOW IMPORTANCE FACTOR : 1.00  
 Ce : 1.00  
 Ct : 1.00  
 COLLATERAL LOAD (psf) : 8.0  
 RAIN ON SNOW (psf) : 0.00  
 SNOW DRIFT (psf), WIDTH (ft.) : \*

**WIND LOAD DATA**

WIND SPEED, V-ult (mph) : 110  
 WIND SPEED, V-asd (mph) : 85.21  
 WIND EXPOSURE : C  
 WIND IMPORTANCE FACTOR : 1.00  
 GCpi = ±0.18  
 DESIGN WIND PRESSURE (p,psf) : \*

\*SEE DIAGRAM(S):  
 \*X3820/20A/20B ON SHEET 5  
 \*X3821 ON SHEET 6  
 \*X3822/22A ON SHEET 7

\*Reducible

**EARTHQUAKE LOAD DATA**

SITE CLASS : D  
 Ss (%g) : 214.6 Sds : 1.431  
 S1 (%g) : 109 Sd1 : 1.235  
 SEISMIC DESIGN CATEGORY : E  
 SEISMIC IMPORTANCE FACTOR : 1.00  
 R : 3.50 & 3.25  
 Cs : I x Sds / R  
 BASIC STRUCTURAL SYSTEM : SOMF & SOCBF  
 ANALYSIS PROCEDURE : Equivalent Lateral Force  
 BASE SHEAR (Trans, kips)(X3820) : 134.7  
 BASE SHEAR (Long, kips)(X3820) : 130.4  
 BASE SHEAR (Trans, kips)(X3820A) : 8.37  
 BASE SHEAR (Trans, kips)(X3820B) : 3.49  
 BASE SHEAR (Trans, kips)(X3821) : 111.4  
 BASE SHEAR (Long, kips)(X3221) : 142.6  
 BASE SHEAR (Trans, kips)(X3822) : 39.90  
 BASE SHEAR (Trans, kips)(X3822A) : 26.16  
 BASE SHEAR (Long, kips)(X3822A) : 25.75

12/21/2022, 10:52:18

This document has been electronically sealed and digitally signed by Nicholas R Dewald, P.E. using my digital signature. Printed copies are not considered signed and sealed. The signature must be verified on any electronic document.

**TO ENSURE PROPER ERECTION OF THIS BUILDING THE FOLLOWING ERECTION GUIDE(S) ARE REQ'D.**

- ADP1 WALL PANEL ERECTION GUIDE
- ADP2 WALL PANEL ERECTION GUIDE
- ADP1 ROOF PANEL ERECTION GUIDE
- ZL-24 STANDING SEAM ROOF ERECTION GUIDE
- ZL-16 STANDING SEAM ROOF ERECTION GUIDE
- ADP1 LINER PANEL ERECTION GUIDE
- ADP2 LINER PANEL ERECTION GUIDE

IF THIS SET OF DRAWINGS WERE SENT VIA E-MAIL, THEY ARE COPIES OF THE ORIGINALS THAT ARE PRINTED AND ON FILE AT THE HOME OFFICE OF THE METAL BUILDING MANUFACTURER THE ORIGINALS WITH THE ENGINEER'S SEAL ARE CONSIDERED THE LEGAL DOCUMENTS.

**DRAWING SUBMITTAL STATUS**

- FOR CONSTRUCTION
- FOR APPROVALS
- FOR PERMIT ONLY
- FOR PRELIMINARY USE ONLY
- NOT FOR CONSTRUCTION
- FOR REVIEW ONLY



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

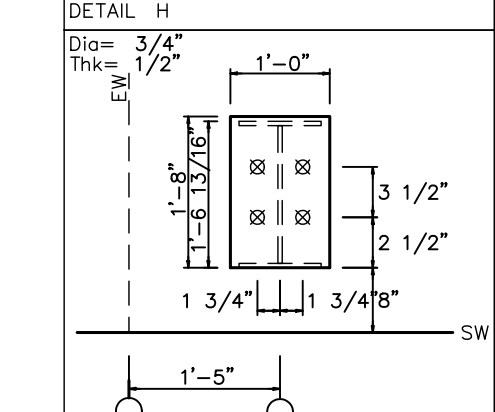
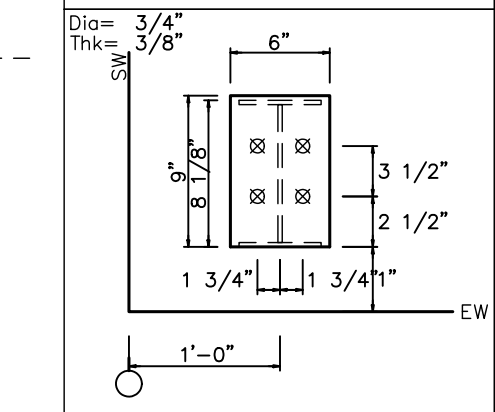
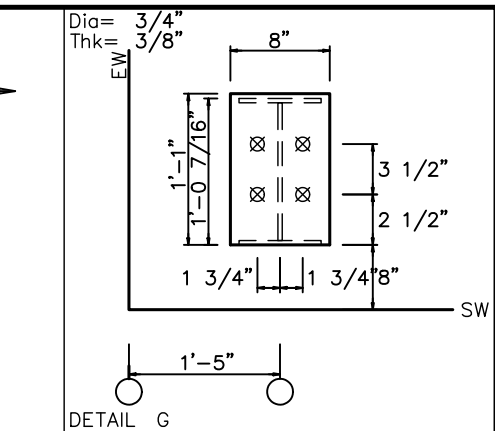
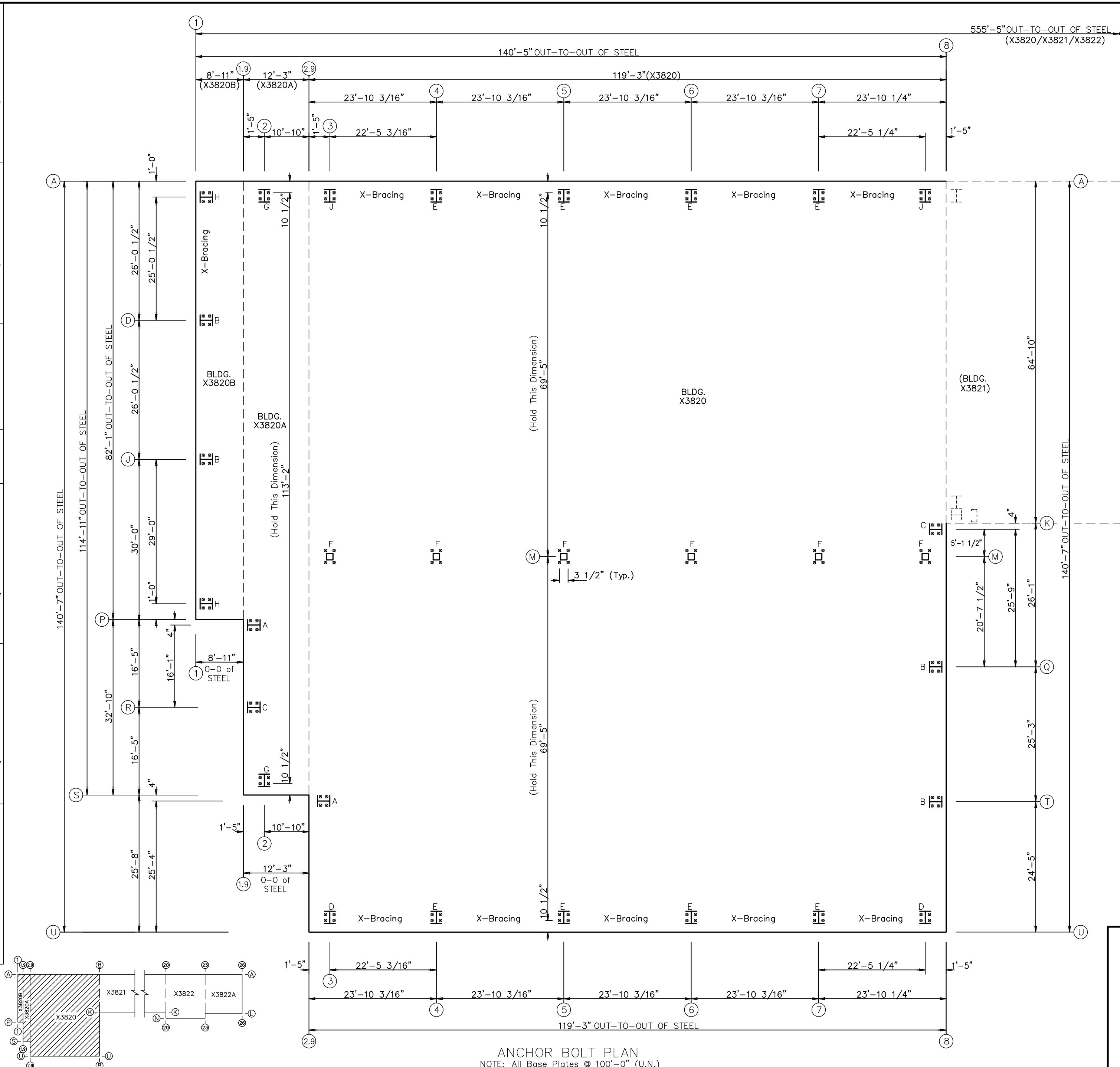
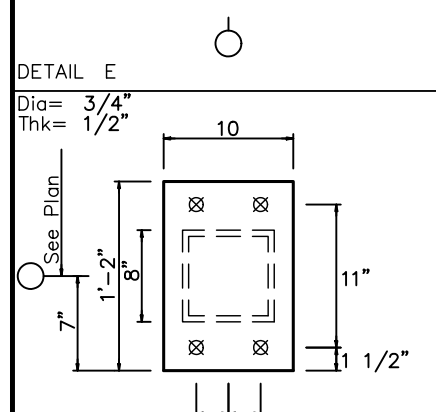
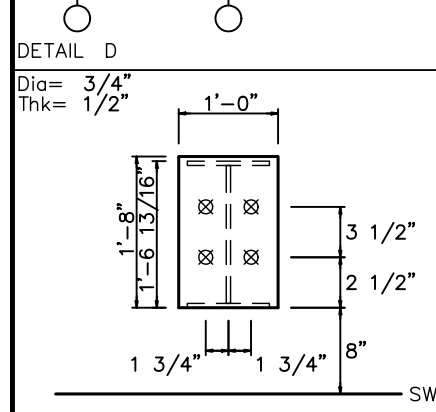
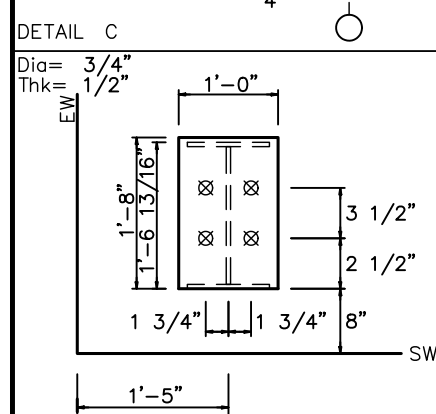
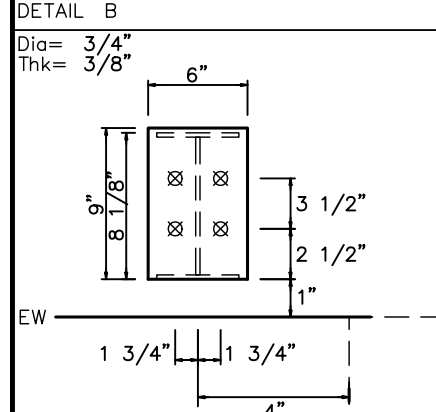
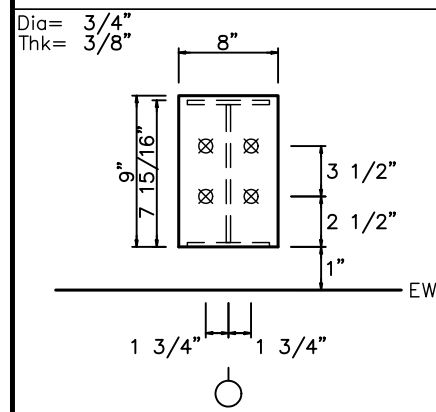
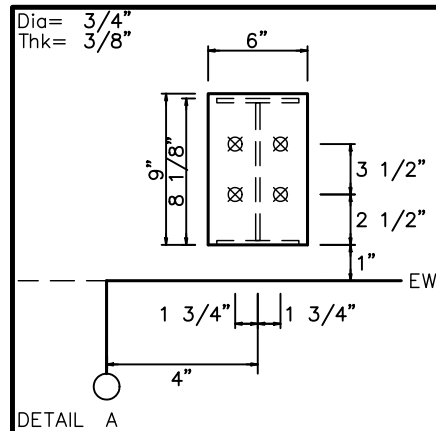
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DRAWN BY	L. MOORE	DATE 12/6/22
CHECKED BY	D. VEBURG	DATE 12/7/22
APPROVED BY	NRD	DATE 12/7/22
REVIEWED BY		DATE

CHUCK MINYARD - DISTRIBUTION  
 ADELANTO CA  
 GENERAL INFORMATION

EMPIRE STEEL BUILDINGS  
 SAN DIEGO, CA.  
 JOB NO. X3820/21/22 SH. 1 OF 55

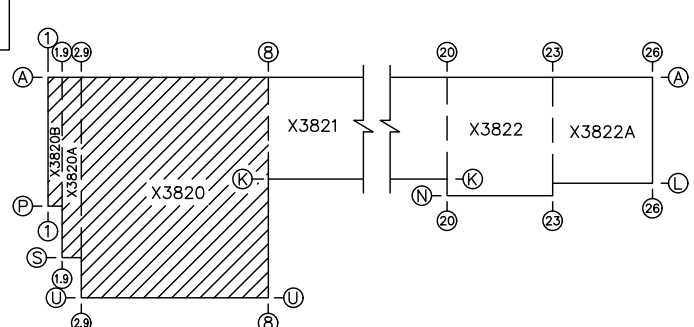
CHUCK MINYARD - DISTRIBUTION  
 ADELANTO, CA 92301

JOB NO. X3820/21/22



ANCHOR BOLT SUMMARY  
(THIS SHEET ONLY)

Qty	Locate	Diag (in)	Type	Proj (in)
40	Endwall	3/4"	F1554	2.50
80	Frame	3/4"	F1554	2.50

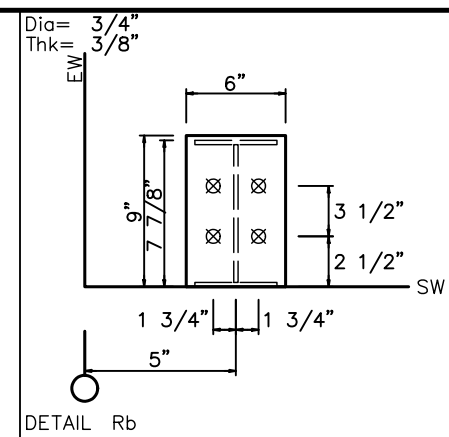
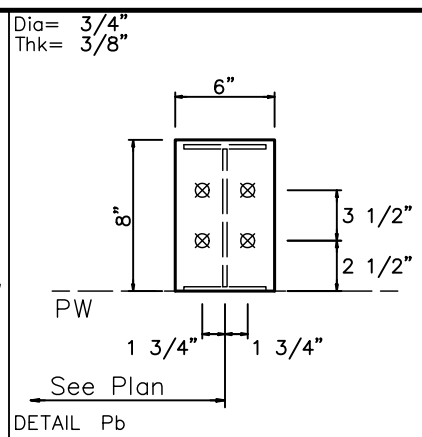
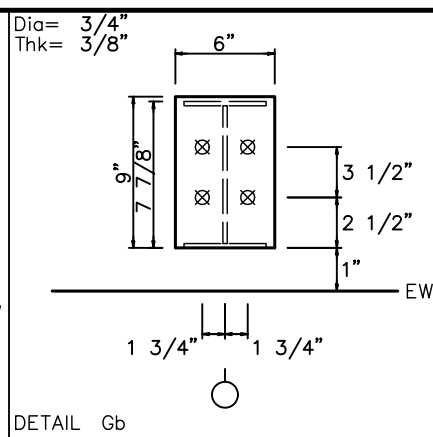
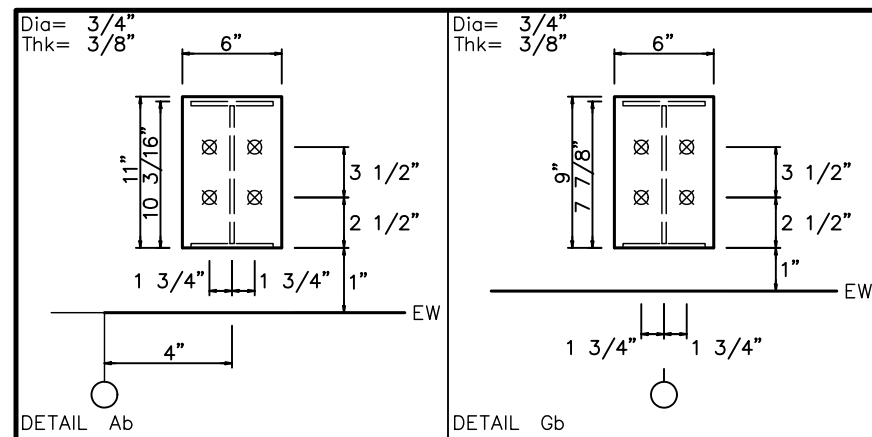


ANCHOR BOLT PLAN  
NOTE: All Base Plates @ 100'-0" (U.N.)



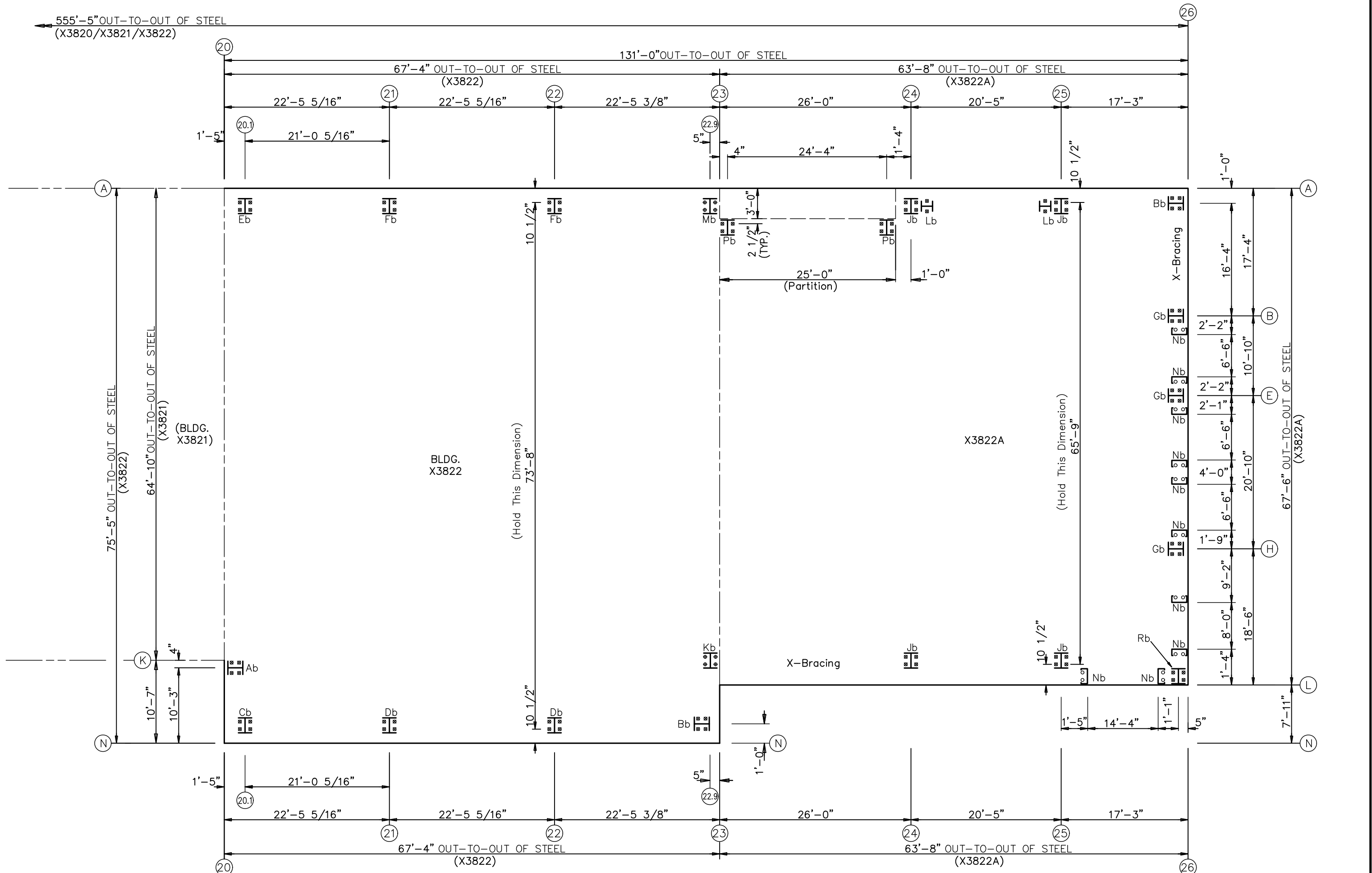
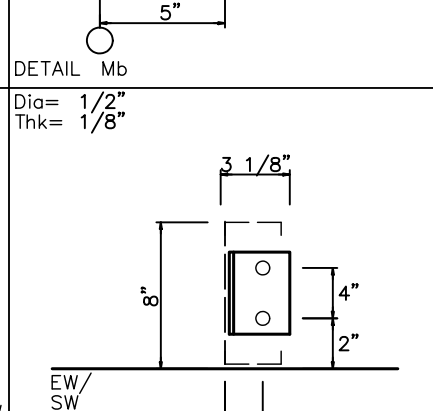
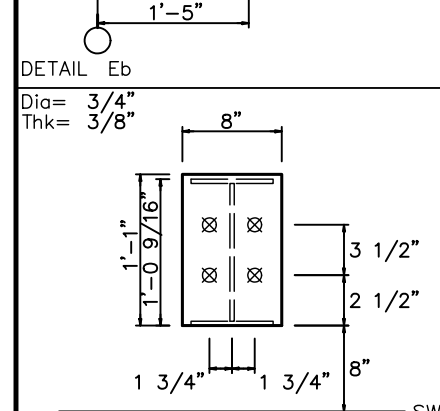
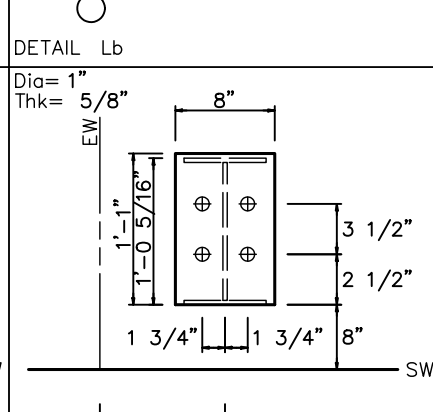
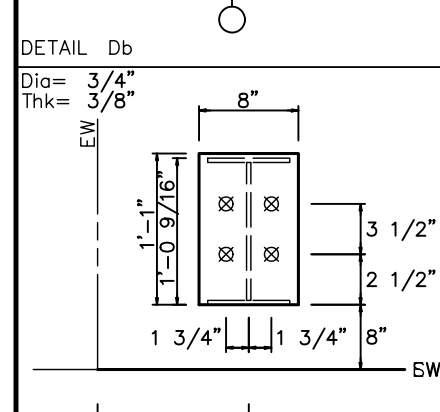
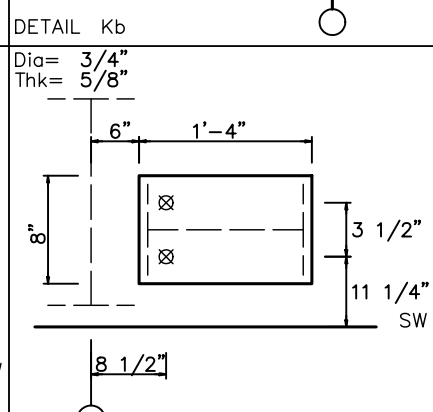
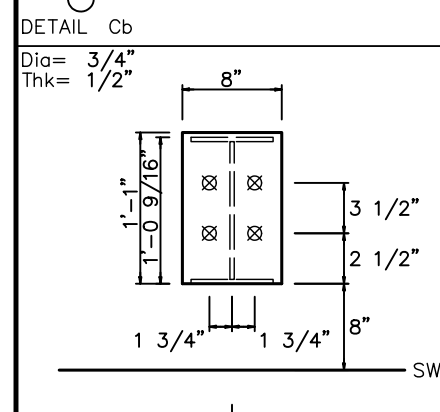
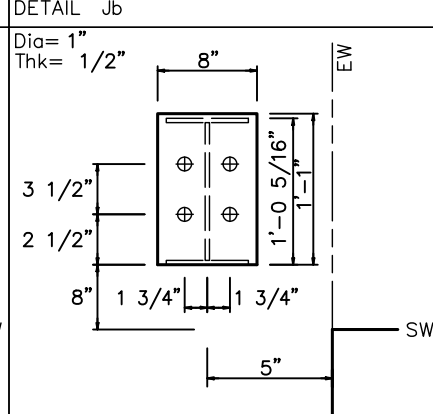
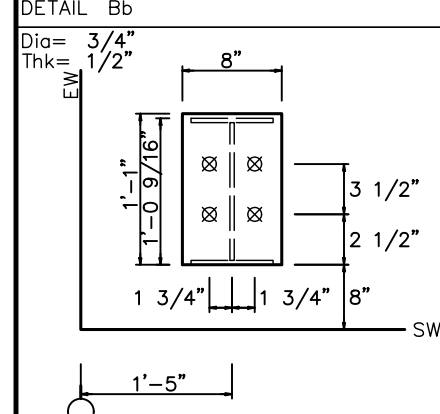
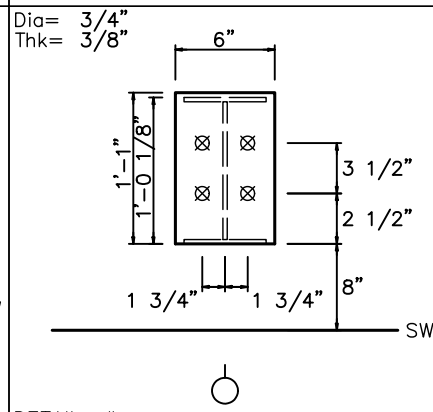
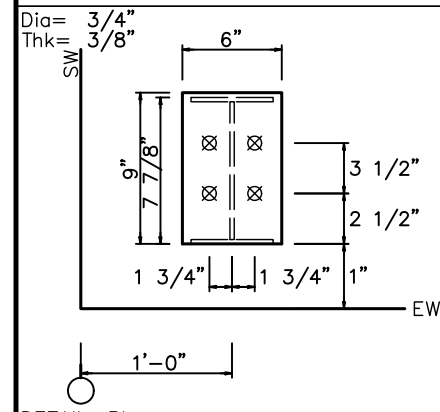
REVISIONS	LETTER	DATE	BY	REVISIONS	LETTER	DATE	BY	SCALE	PROJECT	JOB NO.	SHT. OF
								NONE	CHUCK MINYARD - DISTRIBUTION	X3820/21/22	2 OF 55
									ADELANTO CA 92301		
									EMPIRE STEEL BUILDINGS		
									SAN DIEGO, CA.		



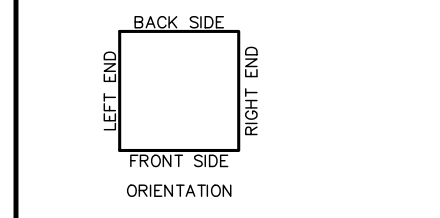
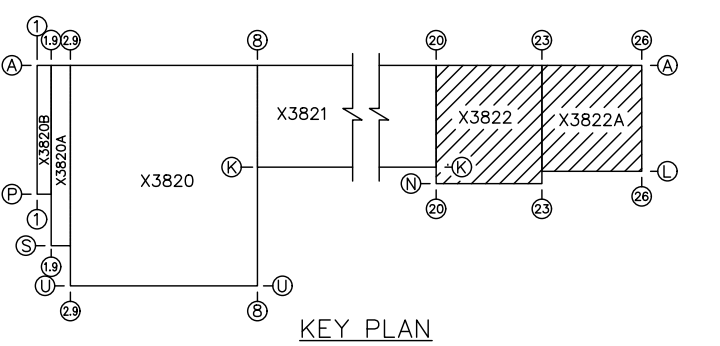


**ANCHOR BOLT SUMMARY (THIS SHEET ONLY)**

Qty	Locate	Dia (in)	Type	Proj (in)
20	Jamb	1/2"	F1554	1.00
28	Endwall	3/4"	F1554	2.50
8	Frame	3/4"	F1554	3.00
40	Frame	3/4"	F1554	2.50
4	WindCol	3/4"	F1554	2.50
8	Partition	3/4"	F1554	2.50



**ANCHOR BOLT PLAN**  
NOTE: All Base Plates @ 100°-0" (U.N.)  
--- PARTITION WALL



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	SCALE	DATE	PROJECT	JOB NO.	SHT. OF
		LDM	12/6/22	DV	12/7/22	NRD	12/7/22													NONE	12/6/22	CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301	X3820/21/22	4 OF 55

**BLDG. X3820B**

**ENDWALL COLUMN REACTIONS(k )**

MAXIMUM DOWN	= 7.5
MAXIMUM UP	= -3.6
MAXIMUM HORIZONTAL	= 6.3

**LOAD COMBINATIONS**

ID	Description
1	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
2	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
3	1.2Dead+1.2Collateral+0.7Seismic_Right
4	0.4Dead+0.7Seismic_Left
5	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
6	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_Left
7	0.4Dead+0.7Seismic_Right
8	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
9	Dead+Collateral+Live

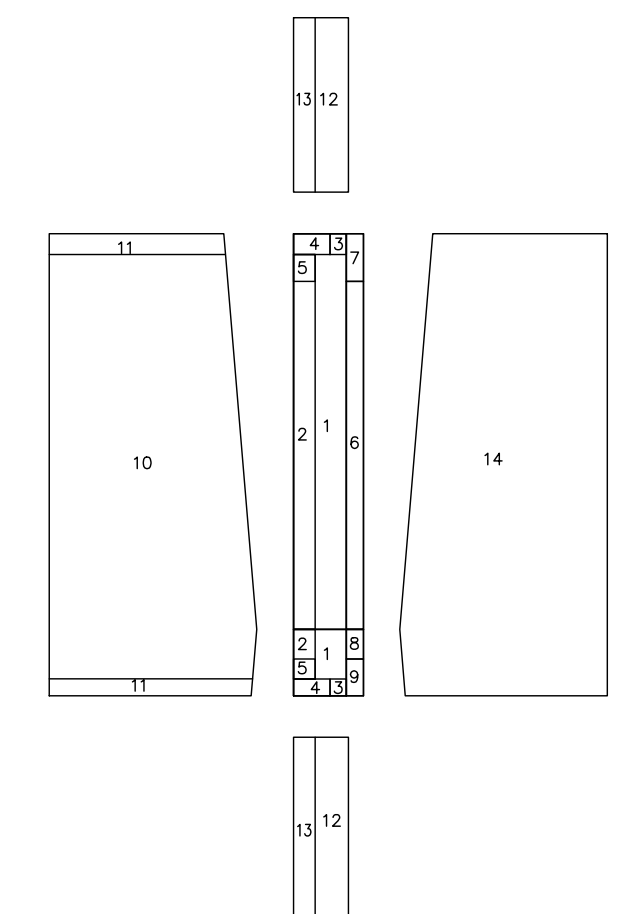
**BUILDING BRACING REACTIONS**

Wall	Col	± Reactions(k )				Panel_Shear
Loc	Line	Wind	Seismic	Wind	Seis	(lb/ft)
L	E	W	1	2	3	4

REACTION VALUES SHOWN ARE UNFACTORED.  
MAXIMUM LOAD COMBINATION FACTORS ARE:  
WIND : 0.60  
SEISMIC : 0.70

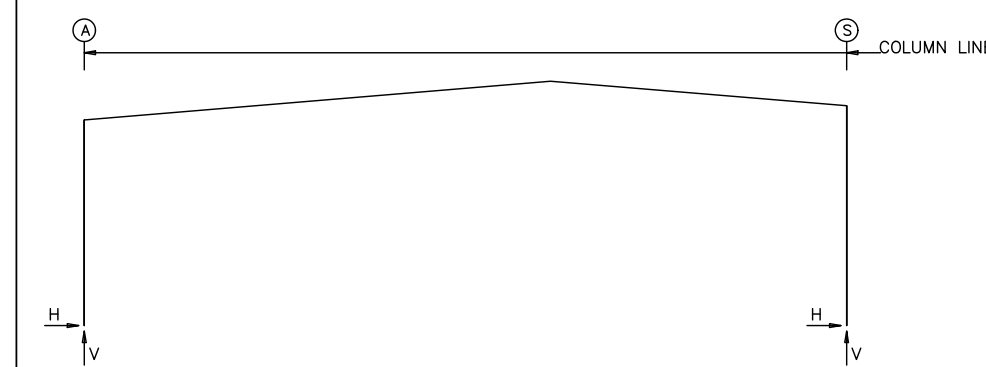
**WIND PRESSURE DIAGRAM -- X3820B**

Zone	Width (ft)	Length (ft)	Components & Cladding			
			Pressure(psf ) Member	Panel	Suction(psf ) Member	Panel
1		3.00	16.00	16.00	-28.83	-38.05
2		3.00	16.00	16.00	-46.70	-59.74
3	3.00	6.00	16.00	16.00	-46.70	-59.74
4	3.00	6.00	16.00	16.00	-64.87	-81.43
5	3.00	3.00	16.00	16.00	-64.87	-81.43
6	64.54	1.75	0.00	16.00	-52.47	-55.55
7	6.00	1.75	0.00	16.00	-73.23	-77.24
8	5.83	1.75	0.00	16.00	-55.35	-55.55
9	6.00	1.75	0.00	16.00	-76.98	-77.24
10			21.76	26.01	-23.18	-26.01
11	3.00		21.76	26.01	-36.39	-47.60
12			21.80	26.00	-23.20	-26.00
13	3.00		21.80	26.00	-36.42	-47.58
14			0.00	0.00	0.00	0.00



**BLDG. X3820A**

**FRAME LINES: 2**



**RIGID FRAME: MAXIMUM REACTIONS**

Frm Line	Col Line	Column_Reactions(k )			
		Load Id	Hmax	V	Hmin
2	A	5	11.6	19.2	1
2	S	2	3.7	-4.0	4

**RIGID FRAME: BASIC COLUMN REACTIONS (k )**

Frame Line	Column Line	Dead		Collateral		Live		Snow		Wind_Left1		Wind_Right1	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2	A	2.2	5.4	2.7	5.1	4.1	7.6	1.2	2.2	-8.1	-11.9	-1.7	-6.8
2	S	-2.2	5.5	-2.7	5.1	-4.1	7.6	-1.2	2.2	1.8	-7.0	8.3	-12.1

**ENDWALL COLUMN REACTIONS(k )**

MAXIMUM DOWN	= 0.7
MAXIMUM UP	= 0.0
MAXIMUM HORIZONTAL	= 3.6

**BUILDING BRACING REACTIONS**

Wall	Col	± Reactions(k )				Panel_Shear
Loc	Line	Wind	Seismic	Wind	Seis	(lb/ft)
L	E	W	1	2	3	4

**LOAD COMBINATIONS**

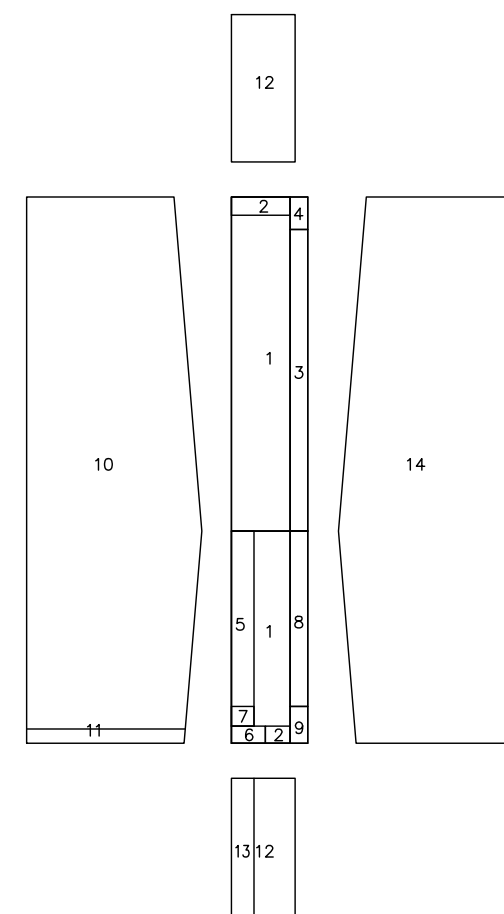
ID	Description
1	0.6Dead+0.6Wind_Left1
2	0.6Dead+0.6Wind_Right1
3	0.6Dead+0.6Wind_Long1R
4	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_Left
5	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_Right
6	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
7	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
8	1.11Dead+1.11Collateral+0.7Seismic_LongR

(h)Rigid frame at endwall

REACTION VALUES SHOWN ARE UNFACTORED.  
MAXIMUM LOAD COMBINATION FACTORS ARE:  
WIND : 0.60  
SEISMIC : 0.70

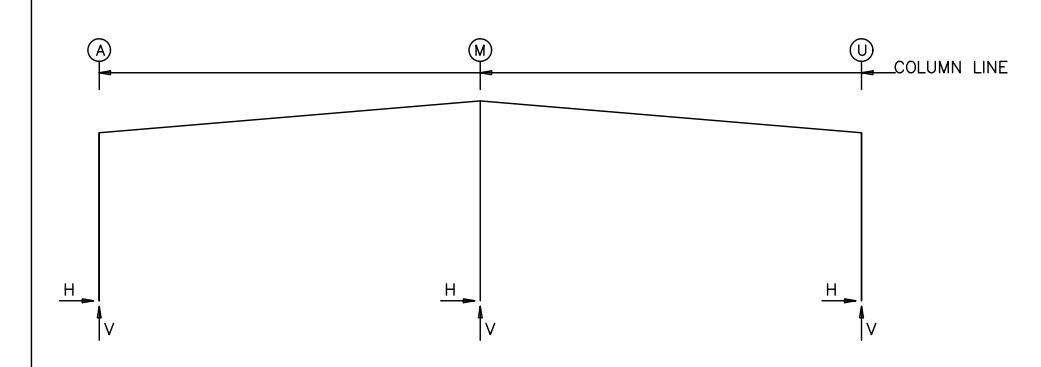
**WIND PRESSURE DIAGRAM -- X3820A**

Zone	Width (ft)	Length (ft)	Components & Cladding			
			Pressure(psf ) Member	Panel	Suction(psf ) Member	Panel
1		3.00	16.00	16.00	-28.36	-37.44
2	3.00	1.75	16.00	16.00	-45.94	-58.78
3	64.54	1.75	0.00	16.00	-51.62	-54.66
4	6.00	1.75	0.00	16.00	-72.03	-76.00
5	3.00	3.00	16.00	16.00	-45.94	-58.78
6	6.00	3.00	16.00	16.00	-63.81	-80.12
7	3.00	3.00	16.00	16.00	-63.81	-80.12
8	38.78	1.75	0.00	16.00	-54.45	-54.66
9	6.00	1.75	0.00	16.00	-75.72	-76.00
10			21.41	25.59	-22.80	-25.59
11	3.00		21.41	25.59	-35.80	-46.83
12			21.40	25.60	-22.80	-25.60
13	3.00		21.40	25.60	-35.80	-46.85
14			0.00	0.00	0.00	0.00



**BLDG. X3820**

**FRAME LINES: 3 4 5 6 7 8**



**RIGID FRAME: MAXIMUM REACTIONS**

Frm Line	Col Line	Column_Reactions(k )			
		Load Id	Hmax	V	Hmin
3*	A	4	14.5	20.7	5
3*	U	6	9.8	-1.5	3
3*	M	2	0.0	-10.5	2

**RIGID FRAME: BASIC COLUMN REACTIONS (k )**

Frame Line	Column Line	Dead		Collateral		Live		Snow		Wind_Left1		Wind_Right1	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
3*	A	1.6	7.1	2.3	6.8	3.4	10.1	1.0	3.0	-10.1	-18.8	2.7	-9.8
3*	U	-1.6	7.0	-2.3	6.8	-3.4	10.1	-1.0	3.0	-2.8	-9.8	10.2	-18.9
3*	M	0.0	0.0	0.0	13.4	0.0	20.0	0.0	5.8	0.0	-27.1	0.0	-27.0

**ENDWALL COLUMN REACTIONS(k )**

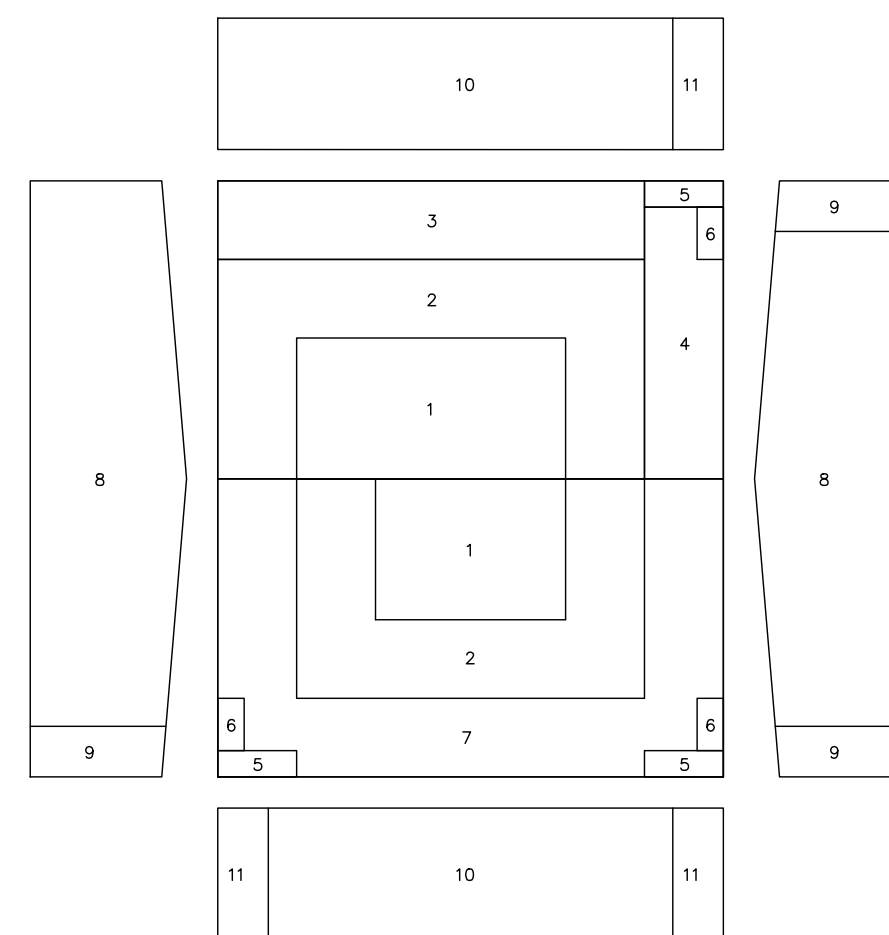
MAXIMUM DOWN	= 0.9
MAXIMUM UP	= 0.0
MAXIMUM HORIZONTAL	= 5.9

(h)Rigid frame at endwall

REACTION VALUES SHOWN ARE UNFACTORED.  
MAXIMUM LOAD COMBINATION FACTORS ARE:  
WIND : 0.60  
SEISMIC : 0.70

**WIND PRESSURE DIAGRAM -- X3820**

Zone	Width (ft)	Length (ft)	Components & Cladding			
			Pressure(psf ) Member	Panel	Suction(psf ) Member	Panel
1		18.60	16.00	16.00	-21.74	-25.26
2	18.60	18.60	16.00	16.00	-31.52	-43.95
3	18.60	18.60	16.00	16.00	-41.96	-58.10
4	18.60	18.60	16.00	16.00	-41.96	-58.10
5	6.20	18.60	16.00	16.00	-46.74	-79.06
6	12.40	6.20	16.00	16.00	-46.74	-79.06
7	18.60	18.60	16.00	16.00	-41.96	-58.10
8			21.08	25.26	-23.19	-27.37
9			21.08	25.26	-25.28	-33.67
10			21.10	25.30	-22.80	-27.40
11	11.92		21.10	25.30	-25.29	-33.70



**LOAD COMBINATIONS**

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	1.2Dead+1.2Collateral+0.7Seismic_Left
4	1.2Dead+1.2Collateral+0.7Seismic_Right
5	0.4Dead+0.7Seismic_Left
6	0.4Dead+0.7Seismic_Right
7	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_LongR
8	0.4Dead+0.7Seismic_LongL
9	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
10	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
11	1.11Dead+1.11Collateral+0.7Seismic_Right

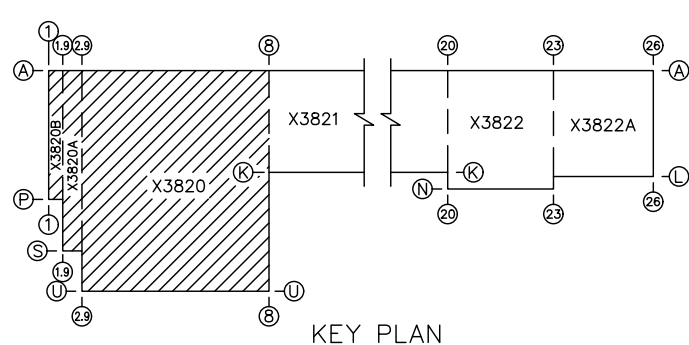
**BUILDING BRACING REACTIONS**

Wall	Col	± Reactions(k )				Panel_Shear
Loc	Line	Wind	Seismic	Wind	Seis	(lb/ft)
L	E	W	1	2	3	4

L_EW	3	3.4	4.2	5.3	12.6	16.0	(h)
F_SW	U	4.5	4.2	5.0	12.6	15.1	
		5.6	4.2	5.0	12.6	15.1	
		6.7	4.2	5.3	12.6	16.0	
		7.8	4.2	5.3	12.6	16.0	
R_EW	8	8.7	4.2	5.3	13.5	17.2	(h)
B_SW	A	7.6	4.2	5.3	13.5	17.2	
		6.5	4.2	5.0	13.5	16.2	
		5.4	4.2	5.0	13.5	16.2	
		4.3	4.2	5.3	13.5	17.2	

(h)Rigid frame at endwall

REACTION VALUES SHOWN ARE UNFACTORED.  
MAXIMUM LOAD COMBINATION FACTORS ARE:  
WIND : 0.60  
SEISMIC : 0.70



KEY PLAN



SCALE : NONE

DRAWN BY	L. MOORE	DATE	12/6/22
CHECKED BY	D. VEBURG	DATE	12/7/22
APPROVED BY	NRD	DATE	12/7/22

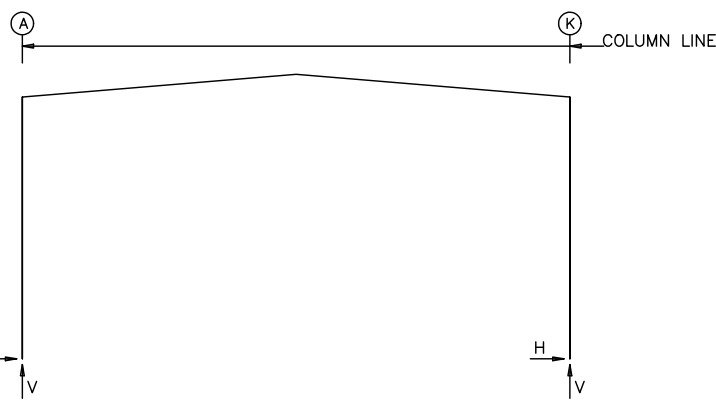
CHUCK MINYARD - DISTRIBUTION  
ADELANTO CA 92301

EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE
		LDM	12/6/22	DV	12/7/22	NRD	12/7/22		

# BLDG. X3821

FRAME LINES: 8 9 10 11 12 13 14 15 16 17 18 19



### RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Column Reactions(k)					
		Load Id	Hmax	V	Load Id	Hmin	V
8	A	6	4.9	13.8	3	-4.3	-4.6
8	K	4	4.9	-4.0	5	-5.4	14.8
		7	-3.2	16.3	2	4.5	-6.3

### RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Column Reactions(k)					
		Load Id	Hmax	V	Load Id	Hmin	V
9*	A	6	8.7	23.9	3	-5.8	-4.6
9*	K	4	6.4	-4.1	5	-9.3	24.9
		7	-6.1	28.4	2	5.7	-8.6

9\* Frame lines: 9 10 11 12 13 14 15 16 17 18 19

### RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead		Collateral		Live		Snow		Snow Drift		Wind Left	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
8	A	0.6	3.0	1.1	3.7	1.6	5.5	0.5	1.6	-1.1	1.9	-7.3	-14.5
8	K	-0.6	3.9	-1.1	3.7	-1.6	5.5	-0.5	1.6	1.1	1.9	-2.9	-6.6

### LOAD COMBINATIONS

ID	Description
1	0.6Dead+0.6Wind_Left1
2	0.6Dead+0.6Wind_Right1
3	0.6Dead+0.6Wind_Left2
4	0.6Dead+0.6Wind_Right2
5	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_Left
6	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_Right
7	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_LongR
8	0.4Dead+0.7Seismic_LongL

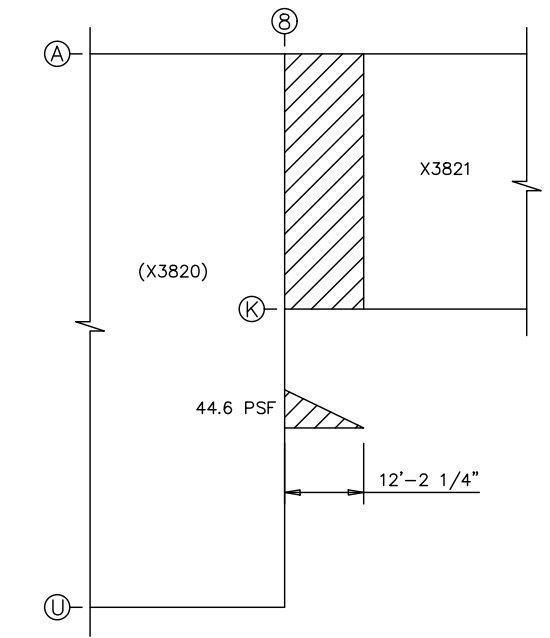
### BUILDING BRACING REACTIONS

Wall	Col Line	± Reactions (k)	Panel Shear (lb/ft)
Loc	Line	Wind	Seismic
L_EW	8	8.9	0.0
F_SW	K	10.11	0.0
		12.13	0.0
		16.17	0.0
		18.19	0.0
R_EW	20	19.18	1.9
B_SW	A	17.16	1.9
		15.14	1.9
		12.11	1.9
		10.9	1.9

### WIND BENT REACTIONS

Wall	Col Line	± Reactions (k)
Loc	Line	Wind
F_SW	K	8.9
		10.11
		12.13
		16.17
		18.19

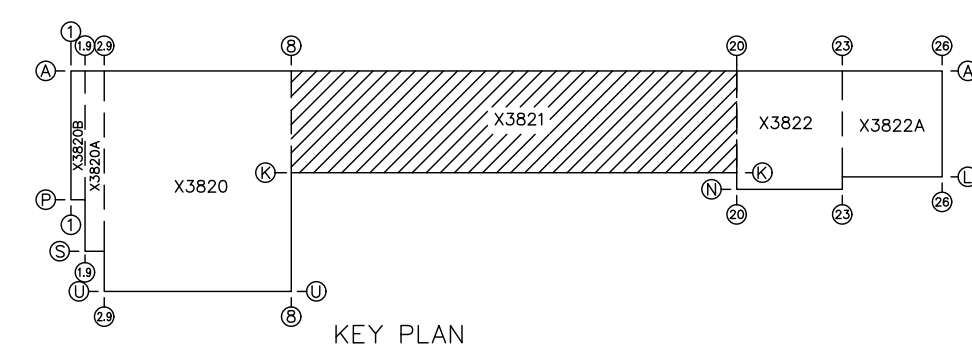
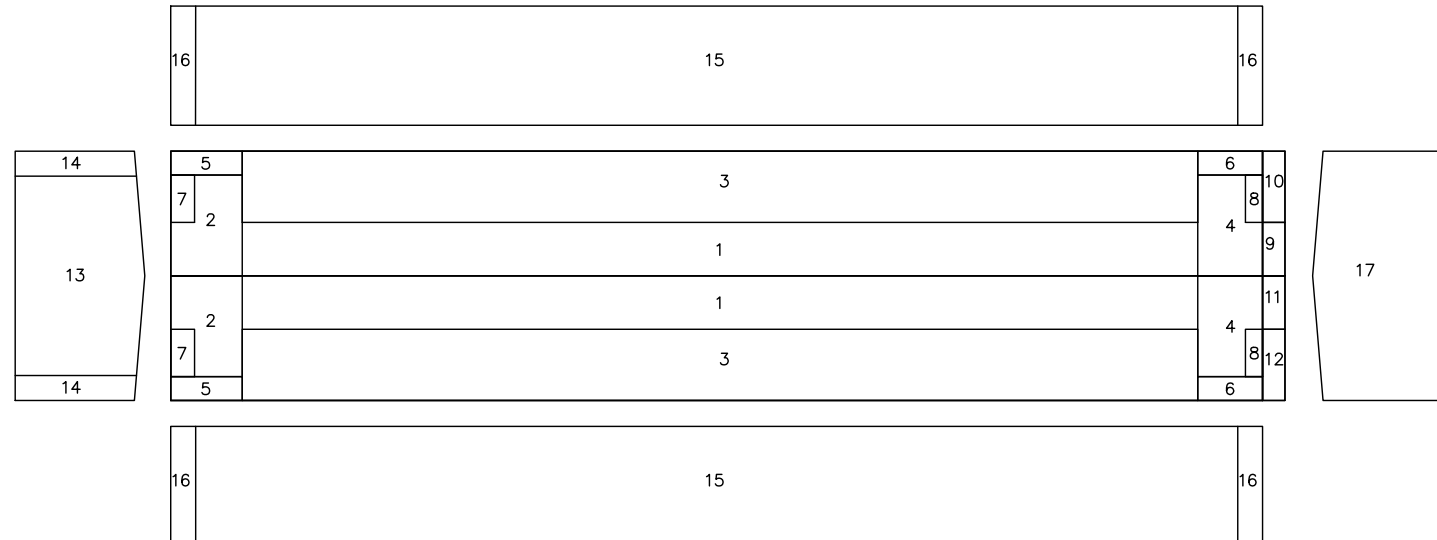
(c)X-Bracing above wind bent  
(h)Rigid frame at endwall  
REACTION VALUES SHOWN ARE UNFACTORED.  
MAXIMUM LOAD COMBINATION FACTORS ARE:  
WIND : 0.60  
SEISMIC : 0.70



SNOW DRIFT DIAGRAM - X3821

### WIND PRESSURE DIAGRAM - X3821

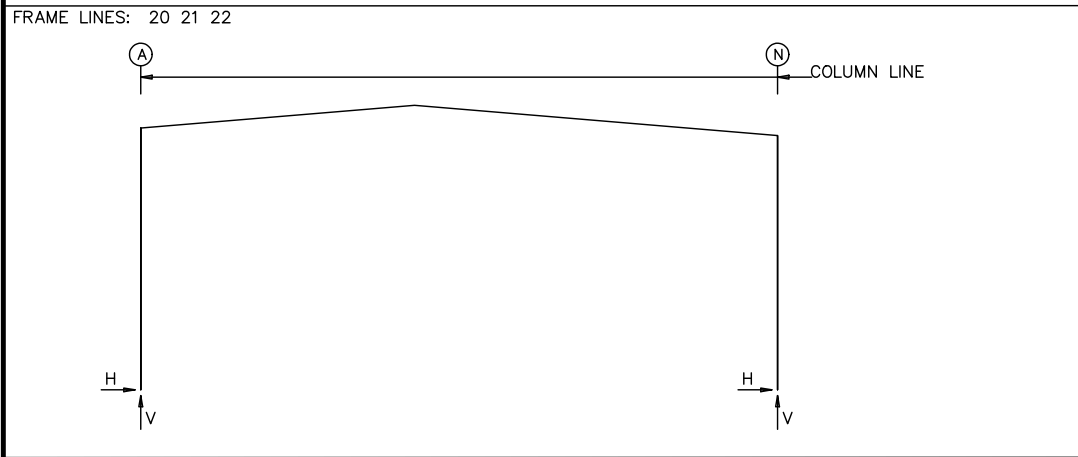
Zone	Width (ft)	Length (ft)	Components & Cladding			
			Pressure(psf) Member	Pressure(psf) Panel	Suction(psf) Member	Suction(psf) Panel
1			16.00	16.00	-31.52	-43.95
2			16.00	16.00	-41.96	-58.10
3	18.60	18.60	16.00	16.00	-41.96	-58.10
4		18.60	16.00	16.00	-46.74	-79.06
5	6.20	18.60	16.00	16.00	-46.74	-79.06
6		6.20	16.00	16.00	-46.74	-79.06
7	12.40	6.20	16.00	16.00	-46.74	-79.06
8	12.40	4.45	16.00	16.00	-46.74	-79.06
9	13.93	1.75	16.00	16.00	-48.92	-53.80
10	18.60	1.75	16.00	16.00	-66.09	-74.77
11	13.93	1.75	16.00	16.00	-53.70	-53.80
12	18.60	1.75	16.00	16.00	-74.79	-74.77
13			21.08	25.26	-23.18	-27.37
14	6.48		21.08	25.26	-25.28	-33.67
15			21.10	25.30	-23.20	-27.40
16	6.48		16.00	16.00	-25.29	-33.70
17			0.00	0.00	0.00	0.00



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	SCALE	DESCRIPTION	JOB NO.	SHT. OF
		LDM	12/6/22	DV	12/7/22	NRD	12/7/22			NONE	CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301	X3820/21/22	6 OF 55



**BLDG. X3822**



RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Column_Reactions(k)				V
		Load Id	Hmax	V	Hmin	
20*	A	7	11.3	26.1	4	-5.6
20*	N	5	6.1	-4.3	6	-11.5
		6	-11.5	26.1	3	5.8

20\* Frame lines: 20 21 22

RIGID FRAME: BASIC COLUMN REACTIONS (k)

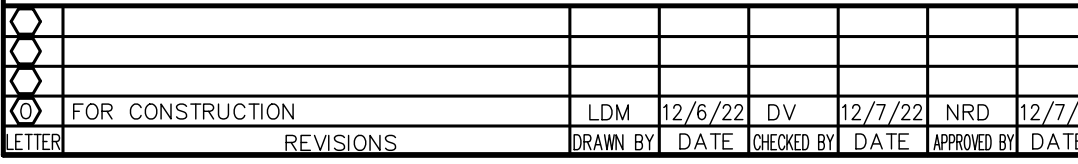
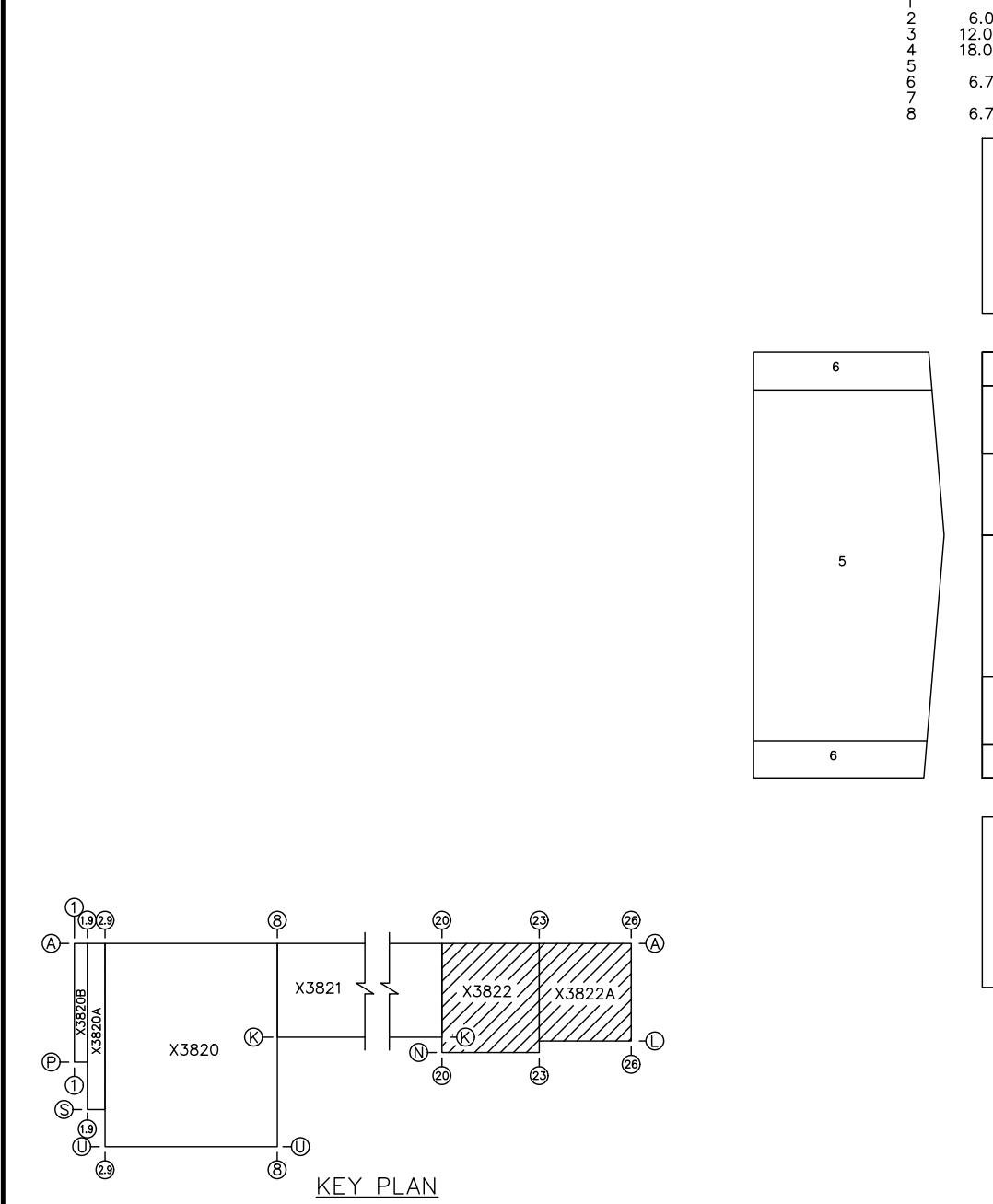
Frame Line	Column	Dead	Collateral	Live	Snow	Wind_Left1	Wind_Right1
20*	A	1.4	2.7	4.0	11.3	1.2	3.3
20*	N	-1.4	-2.7	-4.0	11.3	-1.2	-3.3

ENDWALL COLUMN REACTIONS(k)

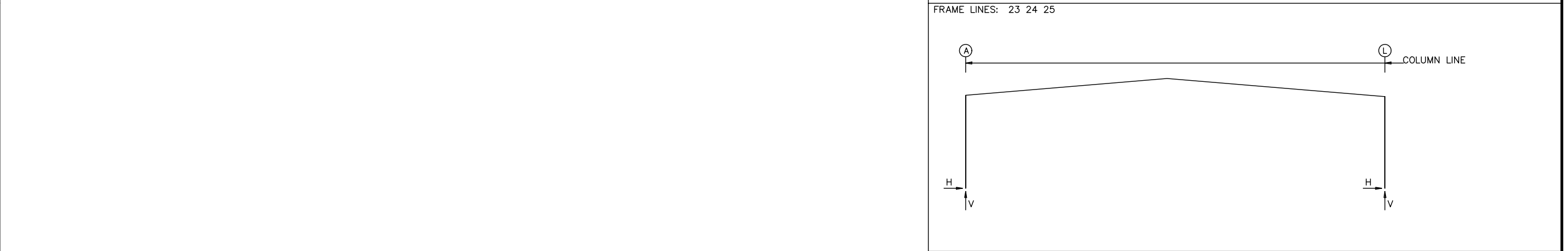
MAXIMUM DOWN	MAXIMUM UP	MAXIMUM HORIZONTAL
= 10.8	= -6.8	= 7.7

LOAD COMBINATIONS

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Left2
5	0.6Dead+0.6Wind_Right2
6	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_Left
7	1.15Dead+1.15Collateral+0.75Live+0.52Seismic_Right
8	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
9	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
10	1.1Dead+1.1Collateral+0.7Seismic_Right
11	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
12	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
13	Dead+Collateral+E2PAT_LL_1
14	Dead+Collateral+E2PAT_LL_2
15	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
16	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
17	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L



**BLDG. X3822A**



RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Column_Reactions(k)				V
		Load Id	Hmax	V	Hmin	
23	A	2	26.7	37.7	3	-14.5
23	L	4	14.7	-14.7	2	-26.7
		7	-26.7	37.1	4	14.7
24*	A	2	17.5	18.8	3	-5.6
24*	L	4	5.8	-6.0	6	-17.7
		10	-15.0	21.8	5	2.9

24\* Frame lines: 24 25

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column	Dead	Collateral	Live	Snow	Snow_Drift	Wind_Left1	Wind_Right1
23	A	3.0	5.1	5.4	8.2	10.3	16.4	2.4
23	L	-3.0	-5.0	-5.4	-7.9	-10.3	15.7	-2.4

BUILDING BRACING REACTIONS

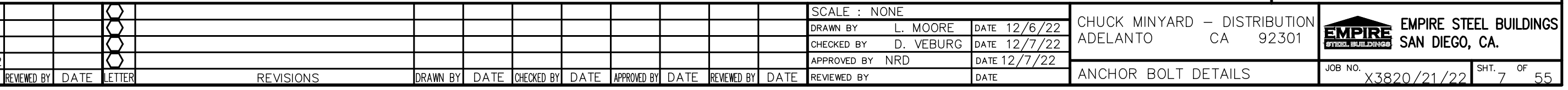
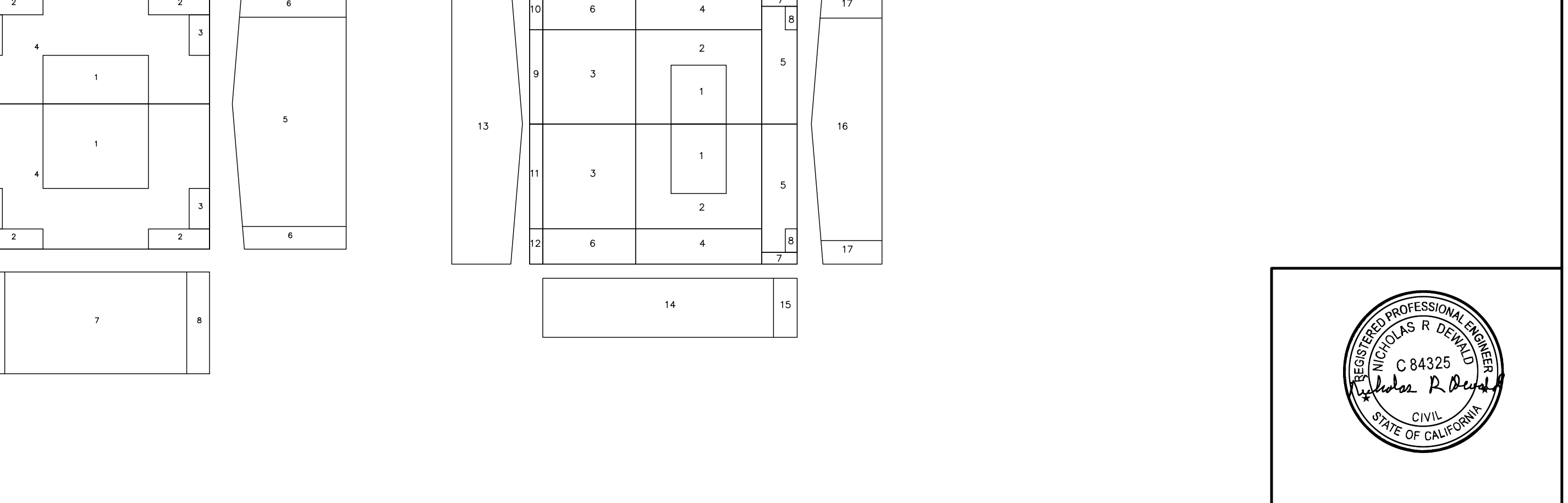
Wall	Col	± Reactions(k)	Panel_Shear (lb/ft)
Loc	Line	Wind	Seismic
L_EW	20		

ENDWALL COLUMN REACTIONS(k)

MAXIMUM DOWN	MAXIMUM UP	MAXIMUM HORIZONTAL
= 6.5	= -3.0	= 1.7

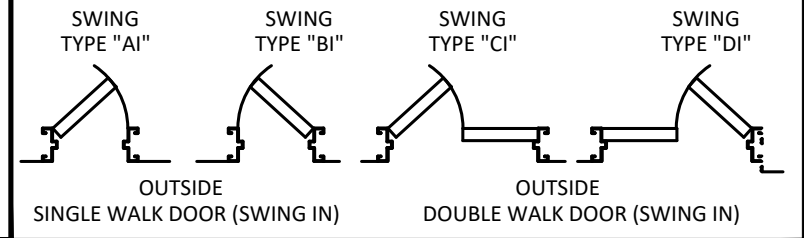
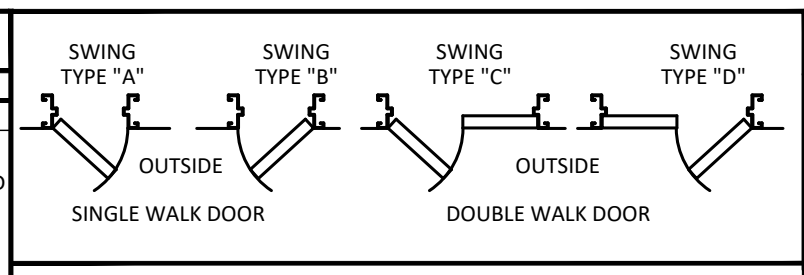
WIND PRESSURE DIAGRAM - X3822A

Zone	Width (ft)	Length (ft)	Components & Cladding			
			Pressure(ps f)	Suction(ps f)	Member	Panel
1	8.87	8.87	16.00	16.00	-18.74	-21.78
2	8.87	23.25	16.00	16.00	-27.17	-37.90
3	8.87	23.25	16.00	16.00	-27.17	-37.90
4	8.87	8.87	16.00	16.00	-36.17	-50.09
5	8.87	23.25	16.00	16.00	-36.17	-50.09
6	2.96	8.87	16.00	16.00	-40.29	-68.17
7	5.91	2.96	16.00	16.00	-40.29	-68.17
8	23.66	0.75	16.00	16.00	-42.17	-46.39
9	8.87	0.75	16.00	16.00	-56.97	-64.47
10	26.33	0.75	16.00	16.00	-46.29	-46.39
11	8.87	0.75	16.00	16.00	-64.47	-64.47
12	8.87	0.75	16.00	16.00	-64.47	-64.47
13			0.00	0.00	0.00	0.00
14			18.20	21.80	-20.00	-23.60
15	5.91		18.20	21.80	-21.80	-29.03
16			18.17	21.78	-19.99	-23.59
17	5.91		18.17	21.78	-21.79	-29.02



# PREASSEMBLED WALK DOORS

SPECIAL ORDER PREASSEMBLED WALK DOOR																	
PLAN I.D.	PART NUMBER	ALL DOORS					ADD-ON OPTIONS							PREASSEMBLED STANDARD DOOR & FRAME DESCRIPTION			
		QTY	SIZE 3070 4070 6070	COLOR WHITE OR BRONZE	SWING A,B,C,D AI,BI,CI,DI	6 X 30 INSULATED	16 X 16 INSULATED	24 X 30 INSULATED	DOOR SKIN		HEAVY DUTY CLOSER	PANIC DEVICE WITH LEVER	MORTISE LOCK		LATCH GUARD	CENTER MULLION	NOT KEYED ALIKE
							TEXTURED	18 GAUGE				PREP DOOR	SUPPLY LOCK				
	X3820PA	9	3070	WHITE						X				X			
			_070														
			_070														
			_070														
			_070														
			_070														



## WALK DOOR TRIMS

DOOR SIZE	HEADER DRIP CAP	JAMB TRIM STIFFENER JAMB TRIM
3070	TW13	TW15 & TW16
4070	TW14	TW15 & TW16
6070	TW14	TW15 & TW16

## WALL FRAMED OPENINGS

\* TYPE OF OPENING

OHD = OVERHEAD DOOR	SF = STORE FRONT
RU = ROLL-UP	BF = BI-FOLD/HYDRAULIC
OWS = ONE WAY SLIDE	WK = WALK DOOR
TWS = TWO WAY SLIDE	FOS = FRAMED OPENING W/ SILL

PLAN I.D.	QTY	SIZE (WIDTH X HEIGHT)	SILL HEIGHT (IF REQUIRED)	TYPE OF OPENING *	LOCATION SW, EW OR PW	JAMB COVER	TORSION SPRING SUPPORT	OTHER INFORMATION
	18	10'-0" X 15'-0"		OHD	SW	X		(X3821)
	2	14'-0" X 16'-0"		OHD	SW	X		(X3821)
A	1	14'-4" X 8'-0"		SF	SW			(X3822A)
B	1	8'-0" X 8'-0"		SF	EW			(X3822A)
C	3	6'-6" X 5'-0"	3'-0"	FOS	EW			(X3822A)
D	2	9'-6" X 5'-0"	3'-0"	FOS	SW			(X3822A)

**NOTES:**

- FOR BUILDINGS DESIGNED AS ENCLOSED, ALL WINDOWS, DOORS, AND LOUVERS SHALL BE RATED TO COMPLY WITH THE WIND DESIGN CRITERIA IDENTIFIED ON SHEET 1 OF THESE PLANS.
- ALL FIELD LOCATED FRAMED OPENINGS WILL REQUIRE FIELD CUTTING OF GIRTS, PURLINS, AND SHEETING.
- THE MAIN TRANSVERSE FRAMES SHALL BE WELDED, BUILT-UP "I" SHAPES, EITHER CONSTANT DEPTH OR TAPERED. HOT-ROLLED STEEL SHEET, (.229 INCHES AND LESS IN THICKNESS) AND HOT-ROLLED STEEL PLATE (OVER .229 INCHES IN THICKNESS) USED FOR MAIN FRAME WEBS.

**MATERIAL SPECIFICATION KEY**

PURLINS, GIRTS, CHANNELS & EAVE STRUTS PART NUMBER KEY

<p><b>PART NUMBER KEY</b> N L NN</p> <ul style="list-style-type: none"> <li>N LAST NUMBER OF MEMBER DEPTH IN INCHES</li> <li>L SHAPE OF MEMBER</li> <li>NN Z = PURLIN OR GIRT</li> <li>E = EAVE STRUT</li> <li>C = CHANNEL</li> <li>DC = DOUBLE CHANNEL</li> </ul> <p><b>MATERIAL THICKNESS</b></p> <table style="font-size: small;"> <tr><td>12 GAUGE</td></tr> <tr><td>13 GAUGE</td></tr> <tr><td>14 GAUGE</td></tr> <tr><td>15 GAUGE</td></tr> <tr><td>16 GAUGE</td></tr> </table>	12 GAUGE	13 GAUGE	14 GAUGE	15 GAUGE	16 GAUGE	<p><b>TUBE MEMBERS PART NUMBER KEY</b></p> <p><b>PART NUMBER KEY</b> T N L</p> <ul style="list-style-type: none"> <li>T LAST NUMBER OF TUBE DIMENSION IN INCHES</li> <li>N WALL THICKNESS IN 16THS OF AN INCH</li> <li>L LAST NUMBER OF TUBE DIMENSION IN INCHES</li> </ul> <p><b>CABLE BRACING PART NUMBER KEY</b></p> <p><b>PART NUMBER KEY</b> WX N</p> <ul style="list-style-type: none"> <li>W CABLE BRACING</li> <li>X 4 = 1/4" Ø</li> <li>5 = 5/16" Ø</li> <li>6 = 3/8" Ø</li> <li>7 = 7/16" Ø</li> <li>8 = 1/2" Ø</li> </ul> <p><b>BUILT-UP MEMBERS PART NUMBER KEY</b></p> <p><b>PART NUMBER KEY</b> B NN L NN LL</p> <ul style="list-style-type: none"> <li>B MEMBER DEPTH IN INCHES</li> <li>NN WEB GAGE IN 100THS OF AN INCH</li> <li>L LAST NUMBER OF FLANGE WIDTH IN INCHES</li> <li>LL FLANGE THICKNESS IN 16THS OF AN INCH</li> </ul>
12 GAUGE						
13 GAUGE						
14 GAUGE						
15 GAUGE						
16 GAUGE						

"X" DENOTES OPTION SUPPLIED BY BUILDING MANUFACTURER

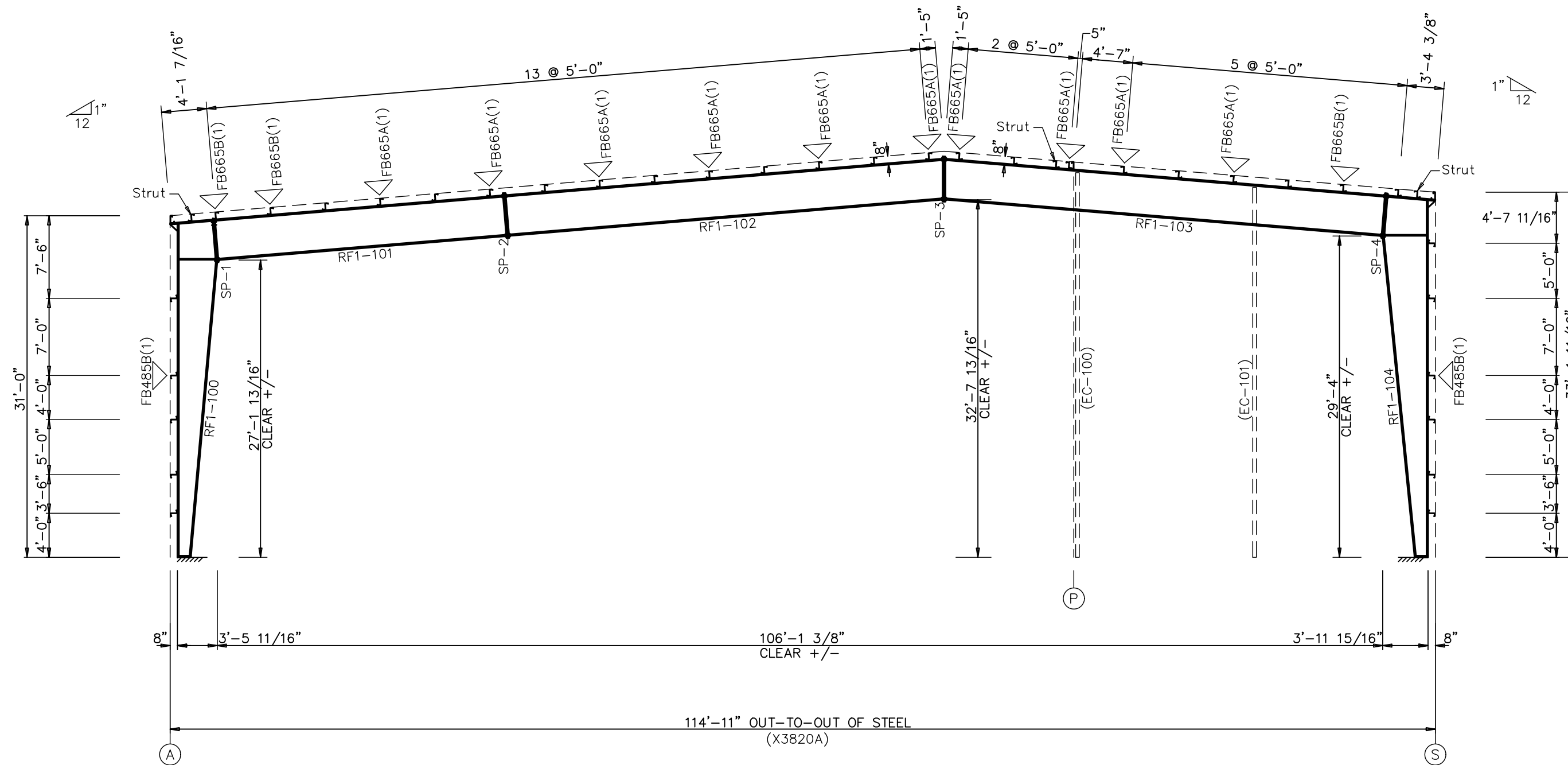


REVISIONS														SCALE : NONE				DRAWN BY			CHECKED BY			APPROVED BY			DATE				CHUCK MINYARD - DISTRIBUTION			ADELANTO, CA 92301		EMPIRE STEEL BUILDINGS		SAN DIEGO, CA.					
														L. MOORE				C. BENDA			NRD			12/19/22				12/19/22			12-20-22				12/19/22			12/19/22		12/19/22		12/19/22	
LETTER	REVISIONS													DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	DATE				JOB NO. X3820/21/22		SHT. 8 OF 55					

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	1.000	3.75	8"	1"	3'-9 5/8"
SP-2	4	4	0	A325	0.750	2.50	8"	3/8"	4'-0 3/8"
SP-3	4	4	0	A325	0.750	2.50	8"	1/2"	4'-0 1/2"
SP-4	4	4	0	A325	1.000	3.00	8"	3/4"	4'-0 7/8"

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
	Start/End	Thick	Thick	Length		
RF1-100	11.5/23.1	0.250	0.250	127.0	8 x 3/8" x 363.9	8 x 1/2" x 323.3
	23.1/40.8	0.250	0.250	240.0	8 x 3/8" x 45.6	
RF1-101	41.5/41.5	0.188	0.188	240.0	8 x 3/8" x 317.6	8 x 3/8" x 317.6
	41.5/41.5	0.188	0.188	77.6		
RF1-102	41.5/41.5	0.188	0.188	240.0	6 x 5/16" x 480.0	6 x 3/8" x 476.5
	41.5/41.5	0.188	0.188	240.0		
RF1-103	41.5/41.5	0.188	0.188	36.0	8 x 5/16" x 483.5	8 x 3/8" x 480.0
	41.5/41.5	0.188	0.188	207.5		
RF1-104	41.5/41.5	0.188	0.188	240.0	8 x 3/8" x 51.8	8 x 1/2" x 349.9
	47.1/27.2	0.224	0.224	240.0	8 x 3/8" x 389.6	
	27.2/11.5	0.224	0.224	153.2		

FLANGE BRACES: Both Sides(U.N.)  
 B - L2x14G  
 A - L1.5x16G



RIGID FRAME ELEVATION: FRAME LINE 2

ERECTION NOTES:

1. THE "APPLICABLE WALL PANEL ERECTION GUIDE" IS TO BE USED IN CONJUNCTION WITH THESE DRAWINGS TO DETERMINE COMPLETE ERECTION REQUIREMENTS.
2. ALL FLANGE BRACING MUST BE INSTALLED AT FRAME LINES AS SHOWN.

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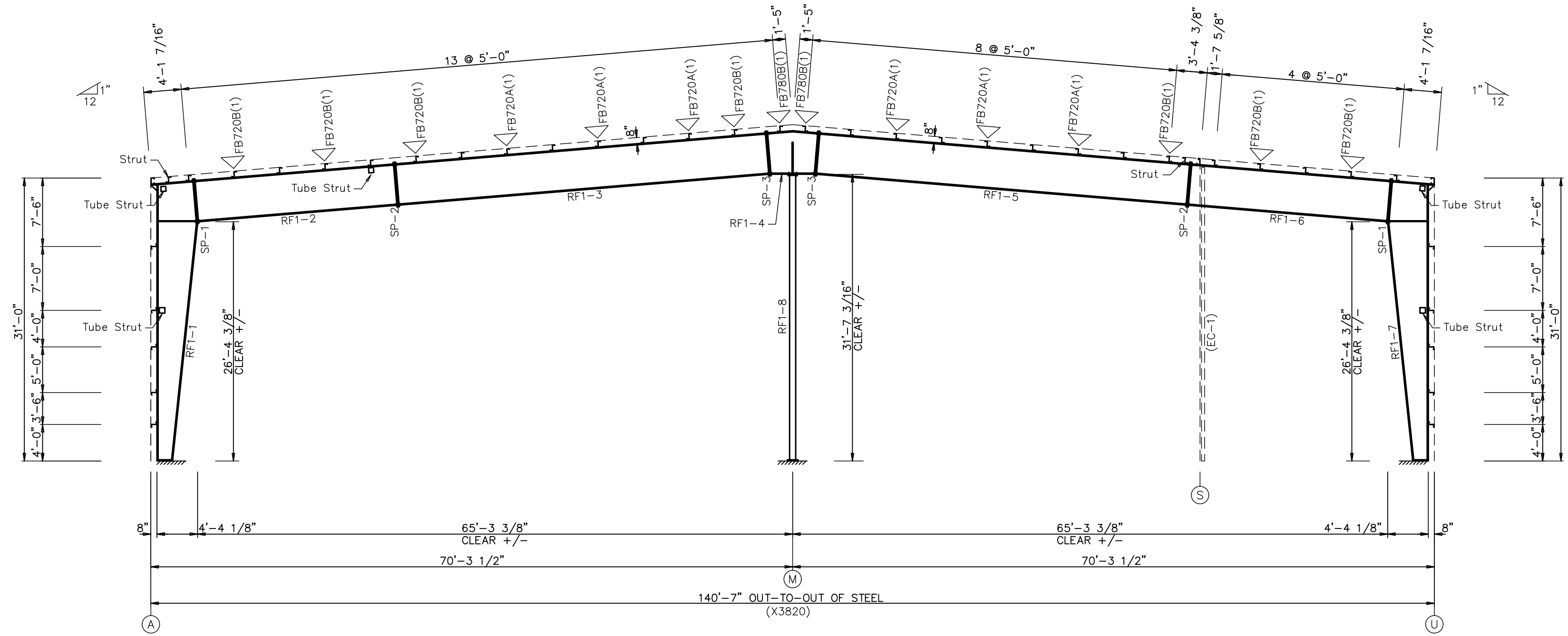
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DRAWN BY L. MOORE DATE 12/19/22	ADELANTO CA 92301	
CHECKED BY C. BENDA DATE 12/19/22		
APPROVED BY NRD DATE 12/20/22		
REVIEWED BY	RIGID FRAME ELEVATION	JOB NO. X3820/21/22
		SHT. 9 OF 55

SPLICE PLATE & BOLT TABLE							CAP PLATE BOLTS							
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length	Mark	Qty	Type	Dia	Length
SP-1	4	4	0	A325	1.250	4.00	1'-0"	1"	5'-0 1/2"	RF1-8	4	A325	0.500	1.50
SP-2	4	4	0	A325	0.750	2.50	10"	5/8"	4'-10 1/2"					
SP-3	4	4	0	A325	0.750	2.50	10"	3/8"	4'-10 3/8"					

FLANGE BRACES: Both Sides(U.N.)  
 B - L2x14G  
 A - L1.5x16G

MEMBER TABLE						Outside Flange		Inside Flange	
Mark	Web Depth Start/End	Web Thick	Plate Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length		
RF1-1	17.6/31.2	0.313	127.5	12 x 5/8" x 363.6	12 x 5/8" x 313.4				
	31.2/50.9	0.313	240.0	12 x 1/2" x 55.0					
RF1-2	51.5/51.5	0.250	227.8	10 x 3/8" x 263.8	10 x 1/2" x 263.8				
	51.5/51.5	0.250	36.0						
RF1-3	51.5/51.5	0.224	240.0	10 x 3/8" x 489.5	10 x 3/8" x 489.5				
	51.5/51.5	0.224	213.5						
	51.5/51.5	0.224	36.0						
RF1-4	51.5/54.2	0.224	68.0	10 x 3/8" x 34.1	10 x 3/8" x 59.4				
	51.5/51.5	0.224	213.5	10 x 3/8" x 34.1					
	51.5/51.5	0.224	240.0	10 x 3/8" x 489.5	10 x 3/8" x 489.5				
RF1-5	51.5/51.5	0.224	213.5						
	51.5/51.5	0.224	240.0						
	51.5/51.5	0.224	36.0						
RF1-6	51.5/51.5	0.313	36.0	10 x 3/8" x 263.8	10 x 1/2" x 263.8				
	51.5/51.5	0.313	227.8						
RF1-7	46.9/50.9	0.313	55.8	12 x 1/2" x 55.0	12 x 5/8" x 313.4				
	25.2/17.6	0.250	240.0	12 x 5/8" x 363.6					
RF1-8	T8x1/4	0.250	71.7						



RIGID FRAME ELEVATION: FRAME LINE 3

ERECTION NOTES:

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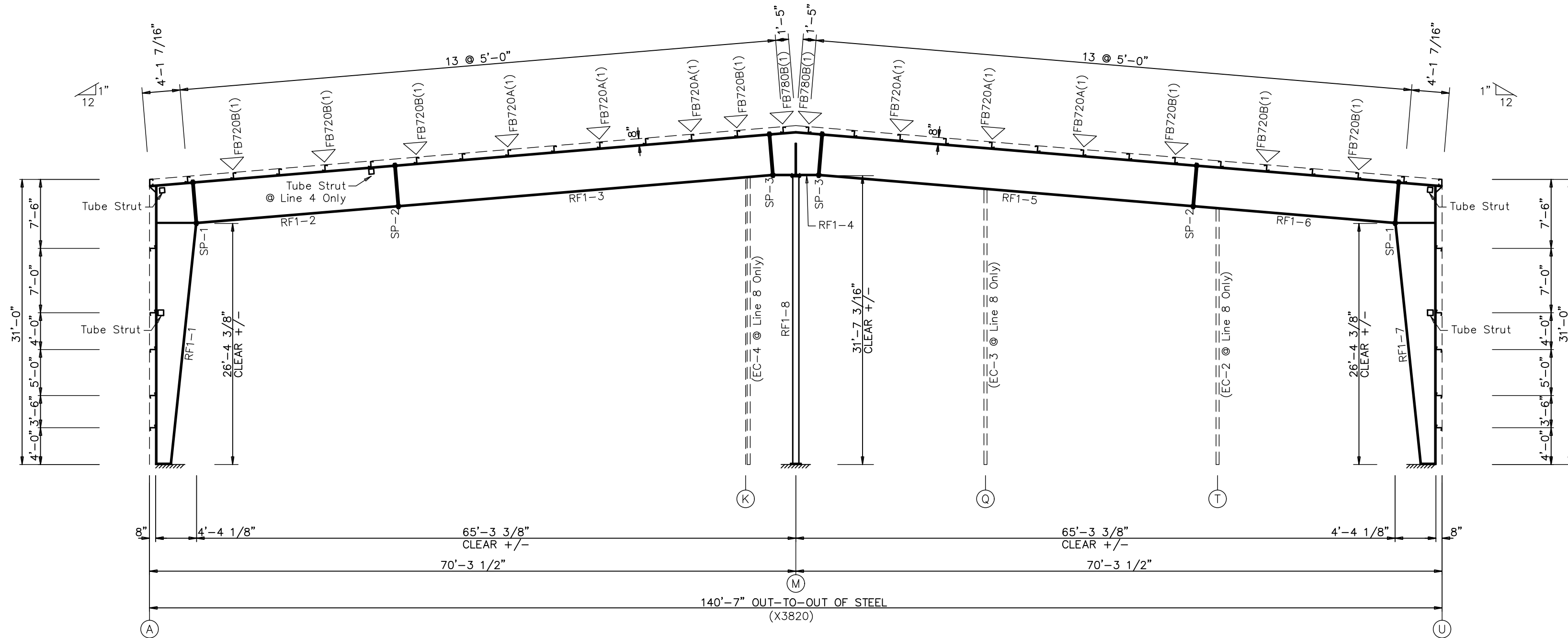
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CHECKED BY C. BENDA DATE 12/19/22		
APPROVED BY NRD DATE 12/20/22		
REVIEWED BY	RIGID FRAME ELEVATION	JOB NO. X3820/21/22
		SHT. OF 10 55

SPLICE PLATE & BOLT TABLE							CAP PLATE BOLTS							
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length	Mark	Qty	Type	Dia	Length
SP-1	4	4	0	A325	1.250	4.00	1'-0"	1"	5'-0 1/2"	RF1-8	4	A325	0.500	1.50
SP-2	4	4	0	A325	0.750	2.50	10"	5/8"	4'-10 1/2"					
SP-3	4	4	0	A325	0.750	2.50	10"	3/8"	4'-10 3/8"					

FLANGE BRACES: Both Sides(U.N.)  
 B - L2x14G  
 A - L1.5x16G

MEMBER TABLE		Web Depth	Web Plate	Outside Flange	Inside Flange
Mark	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length
RF1-1	17.6/31.2	0.313	127.5	12 x 5/8" x 363.6	12 x 5/8" x 313.4
	31.2/50.9	0.313	240.0	12 x 1/2" x 55.0	
RF1-2	51.5/51.5	0.250	227.8	10 x 3/8" x 263.8	10 x 1/2" x 263.8
	51.5/51.5	0.250	36.0		
RF1-3	51.5/51.5	0.224	240.0	10 x 3/8" x 489.5	10 x 3/8" x 489.5
	51.5/51.5	0.224	213.5		
	51.5/51.5	0.224	36.0		
RF1-4	51.5/54.2	0.224	68.0	10 x 3/8" x 34.1	10 x 3/8" x 59.4
	51.5/51.5	0.224	213.5	10 x 3/8" x 34.1	10 x 3/8" x 489.5
	51.5/51.5	0.224	240.0		
RF1-6	51.5/51.5	0.313	36.0	10 x 3/8" x 263.8	10 x 1/2" x 263.8
	51.5/51.5	0.313	227.8		
RF1-7	46.9/50.9	0.313	55.8	12 x 1/2" x 55.0	12 x 5/8" x 313.4
	25.2/17.6	0.250	240.0	12 x 5/8" x 363.6	
RF1-8	T8x1/4	0.250	71.7		



RIGID FRAME ELEVATION: FRAME LINES 4, 5, 6, 7, & 8

ERECTION NOTES:

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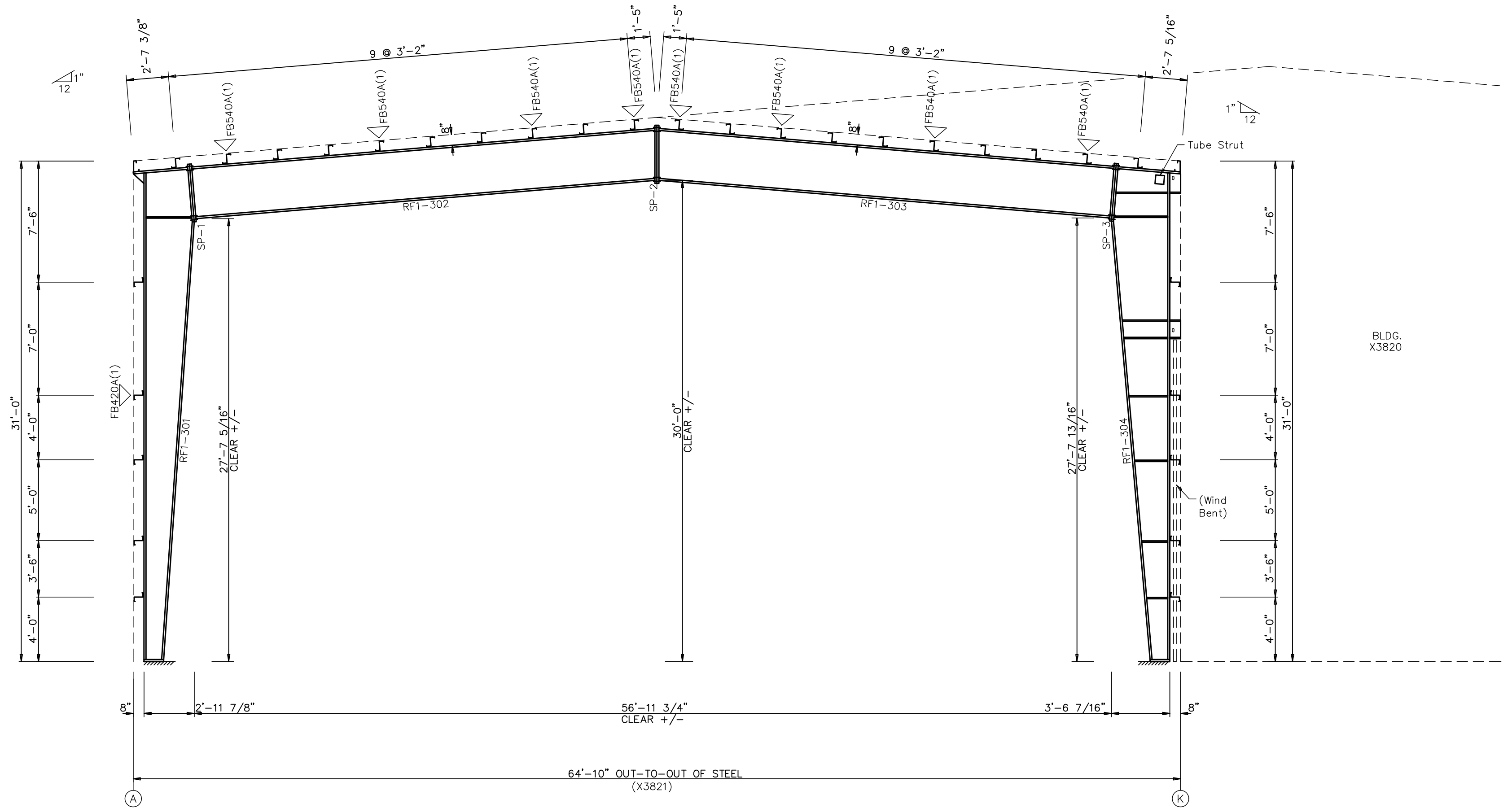
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DRAWN BY L. MOORE DATE 12/19/22	ADELANTO CA 92301	
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APPROVED BY NRD DATE 12/20/22		
REVIEWED BY	RIGID FRAME ELEVATION	JOB NO. X3820/21/22
		SHT. 11 OF 55

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	0.750	2.50	6"	5/8"	3'-6 3/8"
SP-2	4	4	0	A325	0.750	2.50	6"	3/8"	3'-6 1/2"
SP-3	4	4	0	A325	0.750	2.50	10"	5/8"	3'-6 3/8"

FLANGE BRACES: Both Sides(U.N.)  
A - L1.5x16G

MEMBER TABLE									
Mark	Web Depth		Web Plate		Bracing Bracket		Outside Flange		Inside Flange
	Start/End	Thick	Length	Length	Web	Flanges	W x Thk x Length	W x Thk x Length	
RF1-301	11.5/20.7	0.188	126.6				6 x 5/16" x 363.9	6 x 3/8" x 328.6	
	20.7/35.2	0.188	240.0				6 x 1/4" x 40.4	6 x 3/8" x 345.4	
RF1-302	35.5/35.5	0.164	240.0				6 x 1/4" x 348.3	6 x 3/8" x 345.4	
	35.5/35.5	0.164	108.3						
RF1-303	35.5/35.5	0.164	102.0				6 x 1/4" x 342.0	6 x 3/8" x 339.0	
	35.5/35.5	0.164	240.0						
RF1-304	41.2/23.0	0.188	240.0				10 x 3/8" x 46.7	10 x 5/8" x 329.6	
	23.0/11.5	0.188	127.1				10 x 5/8" x 363.9		



RIGID FRAME ELEVATION: FRAME LINE 8

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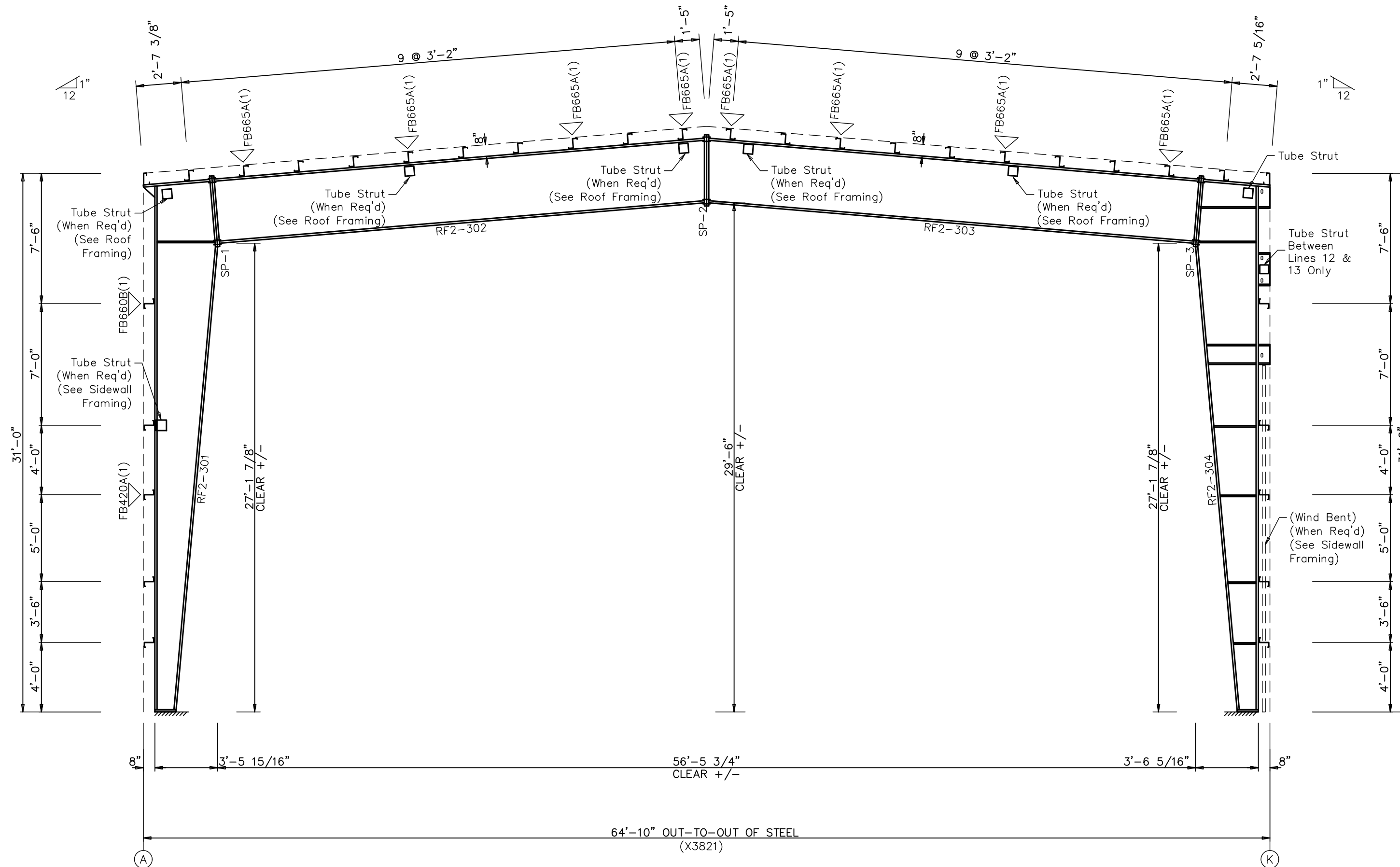
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		SHT. 12 OF 55

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	1.000	3.00	8"	5/8"	4'-0 7/8"
SP-2	4	4	0	A325	0.750	2.50	6"	1/2"	4'-0 1/2"
SP-3	4	4	0	A325	1.000	3.00	10"	3/4"	4'-0 7/8"

FLANGE BRACES: Both Sides(U.N.)  
 A - L1.5x16G  
 B - L2x14Ga

Mark	Web Depth		Web Plate		Bracing Bracket		Outside Flange		Inside Flange	
	Start/End	Thick	Thick	Length	Web	Flanges	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF2-301	11.5/23.2	0.164	0.164	127.0			6 x 3/8" x 363.8	6 x 3/8" x 323.2		
	23.2/41.2	0.224	0.224	239.9			6 x 5/16" x 45.9	6 x 5/16" x 339.1		
RF2-302	41.5/41.5	0.188	0.188	240.0			6 x 1/4" x 342.6	6 x 5/16" x 339.1		
	41.5/41.5	0.188	0.188	102.6						
RF2-303	41.5/41.5	0.188	0.188	102.3			6 x 1/4" x 342.3	6 x 5/16" x 338.8		
	41.5/41.5	0.188	0.188	240.0						
RF2-304	41.1/23.2	0.224	0.224	240.0			10 x 3/8" x 46.1	10 x 5/8" x 363.9	10 x 5/8" x 323.3	
	23.2/11.5	0.224	0.224	127.0						



RIGID FRAME ELEVATION: FRAME LINES 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, & 19

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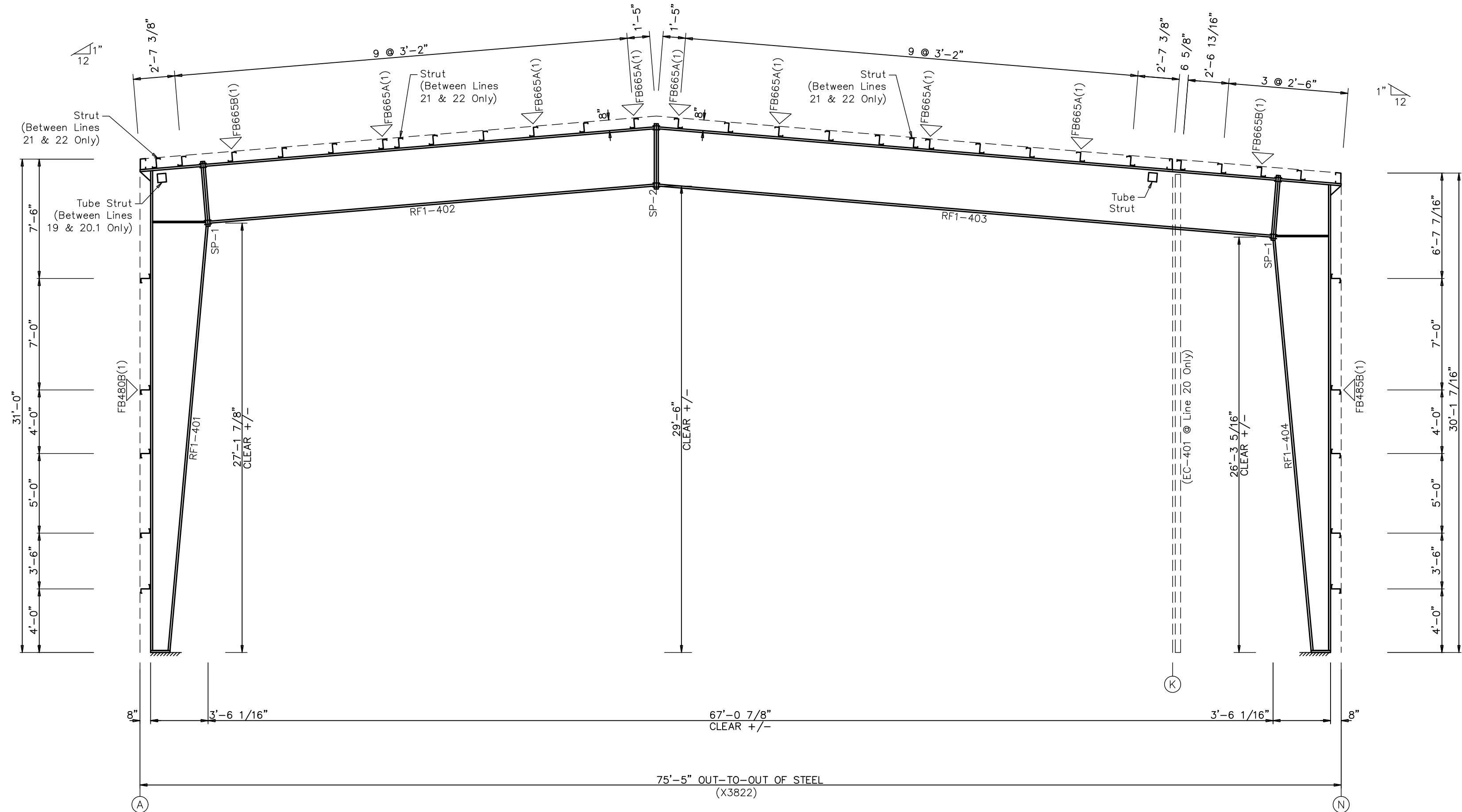
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SCALE : NONE	CHUCK MINYARD - DISTRIBUTION	EMPIRE STEEL BUILDINGS SAN DIEGO, CA.
DRAWN BY L. MOORE DATE 12/19/22	ADELANTO CA 92301	
CHECKED BY C. BENDA DATE 12/19/22		
APPROVED BY NRD DATE 12/20/22		
REVIEWED BY	RIGID FRAME ELEVATION	JOB NO. X3820/21/22
		SHT. 13 OF 55

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	1.000	3.00	8"	3/4"	4'-0 7/8"
SP-2	4	4	0	A325	0.750	2.50	6"	1/2"	4'-0 1/2"

FLANGE BRACES: Both Sides(U.N.)  
 B - L2x14G  
 A - L1.5x16G

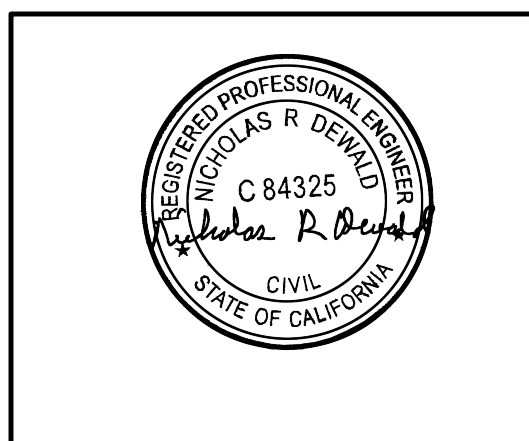
Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start	End	Thick	Length	W	Thk	Length	W	Thk	Length
RF1-401	11.5	23.2	0.224	127.1	8	1/2"	x 364.0	8	1/2"	x 323.4
RF1-402	23.2	41.1	0.224	240.0	8	5/16"	x 45.9	6	3/8"	x 338.9
	41.5	41.5	0.188	240.0	6	5/16"	x 342.4			
RF1-403	41.5	41.5	0.188	102.4	6	5/16"	x 469.8	6	3/8"	x 466.3
	41.5	41.5	0.188	229.8						
RF1-404	41.5	41.5	0.188	240.0	8	5/16"	x 45.9	8	1/2"	x 312.7
	41.1	22.6	0.224	240.0	8	1/2"	x 353.2			
	22.6	11.5	0.224	116.4						



RIGID FRAME ELEVATION: FRAME LINES 20.1, 21, & 22

- ERECTION NOTES:
1. THE "APPLICABLE WALL PANEL ERECTION GUIDE" IS TO BE USED IN CONJUNCTION WITH THESE DRAWINGS TO DETERMINE COMPLETE ERECTION REQUIREMENTS.
  2. ALL FLANGE BRACING MUST BE INSTALLED AT FRAME LINES AS SHOWN.

RIGID FRAMES BY THIS MANUFACTURER ARE DESIGNED TO BE FASTENED USING A-325 HIGH STRENGTH BOLTS BY ONE OF THE PRETENSIONING METHODS, AS DEFINED AND DESCRIBED IN THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS SPECIFICATION (RCSC, 12-31-2009), SECTION 4.2, "PRETENSIONED JOINTS" (REFERENCE SECTION 8.2). PRETENSIONED CONNECTIONS SHALL BE SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE PROVISIONS. BEFORE BOLT TENSIONING BEGINS, THE SPECIAL INSPECTOR SHOULD BE ON SITE TO WITNESS PREINSTALLATION VERIFICATION TESTING. FOR THE PRETENSIONING METHOD USED THE SPECIAL INSPECTOR SHOULD ALSO MAKE OBSERVATIONS OF PRETENSIONED CONNECTIONS AS DESCRIBED IN RCSC, SECTION 9.2. THIS INSPECTION IS NOT THE RESPONSIBILITY OF THIS METAL BUILDING MANUFACTURER.



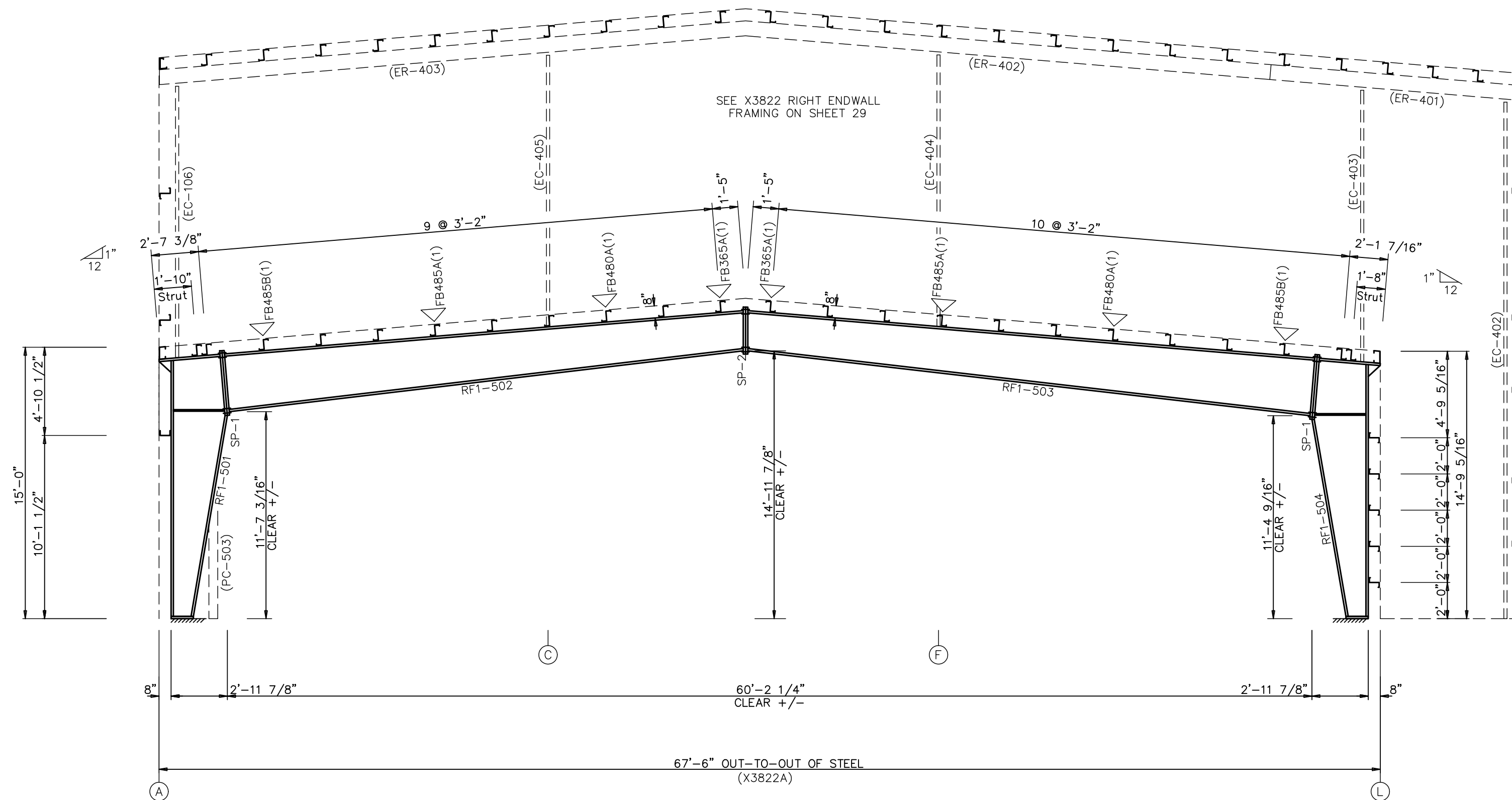
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SCALE : NONE	CHUCK MINYARD - DISTRIBUTION	EMPIRE STEEL BUILDINGS SAN DIEGO, CA.
DRAWN BY L. MOORE DATE 12/19/22	ADELANTO CA 92301	
CHECKED BY C. BENDA DATE 12/19/22		
APPROVED BY NRD DATE 12/20/22		
REVIEWED BY DATE	RIGID FRAME ELEVATION	JOB NO. X3820/21/22
		SHT. 14 OF 55

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	1.000	3.00	8"	5/8"	3'-7"
SP-2	4	4	0	A325	0.750	2.50	8"	1/2"	2'-6 1/2"

FLANGE BRACES: Both Sides(U.N.)  
 B - L2x14Gd  
 A - L1.5x16G

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
	Start/End	Thick	Length	Length		
RF1-501	11.6/35.2	0.224	174.2		8 x 5/16" x 171.5 8 x 1/2" x 40.3	8 x 3/8" x 137.1
RF1-502	35.5/27.2	0.188	240.0		8 x 5/16" x 348.2	8 x 3/8" x 346.4
RF1-503	27.2/23.5	0.188	108.2		8 x 5/16" x 380.3	8 x 3/8" x 378.5
RF1-504	23.5/27.9	0.188	140.3		8 x 5/16" x 380.3	8 x 3/8" x 378.5
	27.9/35.5	0.188	240.0		8 x 1/2" x 40.3	8 x 3/8" x 134.6
	35.2/11.6	0.224	171.7		8 x 5/16" x 169.0	



RIGID FRAME ELEVATION: FRAME LINE 22.9

ERECTION NOTES:

1. THE "APPLICABLE WALL PANEL ERECTION GUIDE" IS TO BE USED IN CONJUNCTION WITH THESE DRAWINGS TO DETERMINE COMPLETE ERECTION REQUIREMENTS.
2. ALL FLANGE BRACING MUST BE INSTALLED AT FRAME LINES AS SHOWN.

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LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE
DRAWN BY L. MOORE DATE 12/19/22
CHECKED BY C. BENDA DATE 12/19/22
APPROVED BY NRD DATE 12/20/22
REVIEWED BY DATE

CHUCK MINYARD - DISTRIBUTION  
 ADELANTO CA 92301

EMPIRE STEEL BUILDINGS  
 SAN DIEGO, CA.

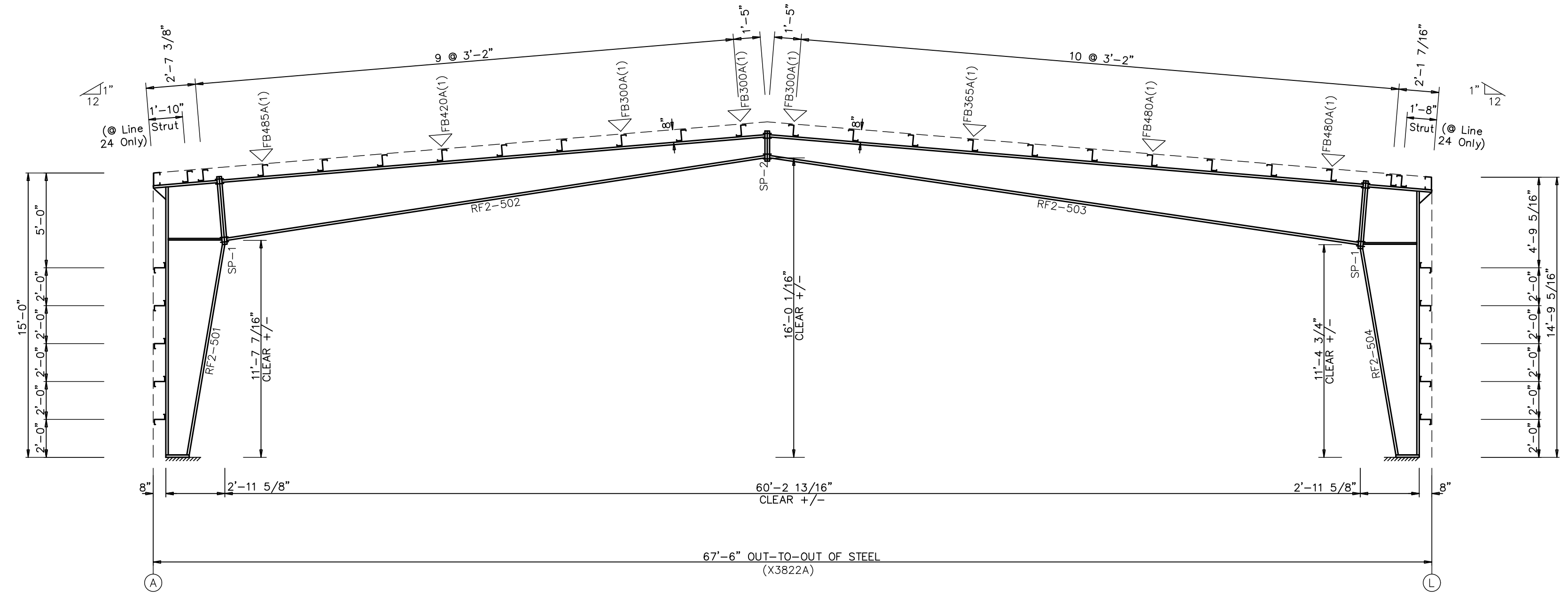
RIGID FRAME ELEVATION

JOB NO. X3820/21/22 SHT. 15 OF 55

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	0.750	2.50	6"	3/4"	3'-6 3/8"
SP-2	4	4	0	A325	0.750	2.50	6"	1/2"	1'-6 3/8"

MEMBER TABLE								
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF2-501	11.6/35.0	0.164	1/4.6		6 x 1/4" x 171.9	6 x 5/16" x 137.7		
RF2-502	35.4/18.9	0.164	240.0		6 x 3/8" x 40.2	6 x 5/16" x 348.0		
RF2-503	18.9/11.5	0.164	108.2		6 x 1/4" x 348.2			
RF2-504	11.5/20.3	0.164	140.3		6 x 1/4" x 380.3	6 x 5/16" x 380.0		
	20.3/35.5	0.164	240.0		6 x 3/8" x 40.2	6 x 5/16" x 135.1		
	35.0/11.6	0.164	171.9		6 x 1/4" x 169.2			

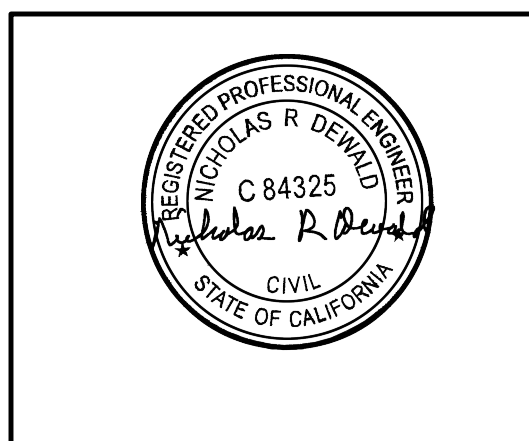
FLANGE BRACES: Both Sides(U.N.)  
A - L1.5x16G



RIGID FRAME ELEVATION: FRAME LINES 24 & 25

- ERECTION NOTES:**
1. THE "APPLICABLE WALL PANEL ERECTION GUIDE" IS TO BE USED IN CONJUNCTION WITH THESE DRAWINGS TO DETERMINE COMPLETE ERECTION REQUIREMENTS.
  2. ALL FLANGE BRACING MUST BE INSTALLED AT FRAME LINES AS SHOWN.

RIGID FRAMES BY THIS MANUFACTURER ARE DESIGNED TO BE FASTENED USING A-325 HIGH STRENGTH BOLTS BY ONE OF THE PRETENSIONING METHODS, AS DEFINED AND DESCRIBED IN THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS SPECIFICATION (RCSC, 12-31-2009), SECTION 4.2, "PRETENSIONED JOINTS" (REFERENCE SECTION 8.2). PRETENSIONED CONNECTIONS SHALL BE SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE PROVISIONS. BEFORE BOLT TENSIONING BEGINS, THE SPECIAL INSPECTOR SHOULD BE ON SITE TO WITNESS PREINSTALLATION VERIFICATION TESTING. FOR THE PRETENSIONING METHOD USED THE SPECIAL INSPECTOR SHOULD ALSO MAKE OBSERVATIONS OF PRETENSIONED CONNECTIONS AS DESCRIBED IN RCSC, SECTION 9.2. THIS INSPECTION IS NOT THE RESPONSIBILITY OF THIS METAL BUILDING MANUFACTURER.

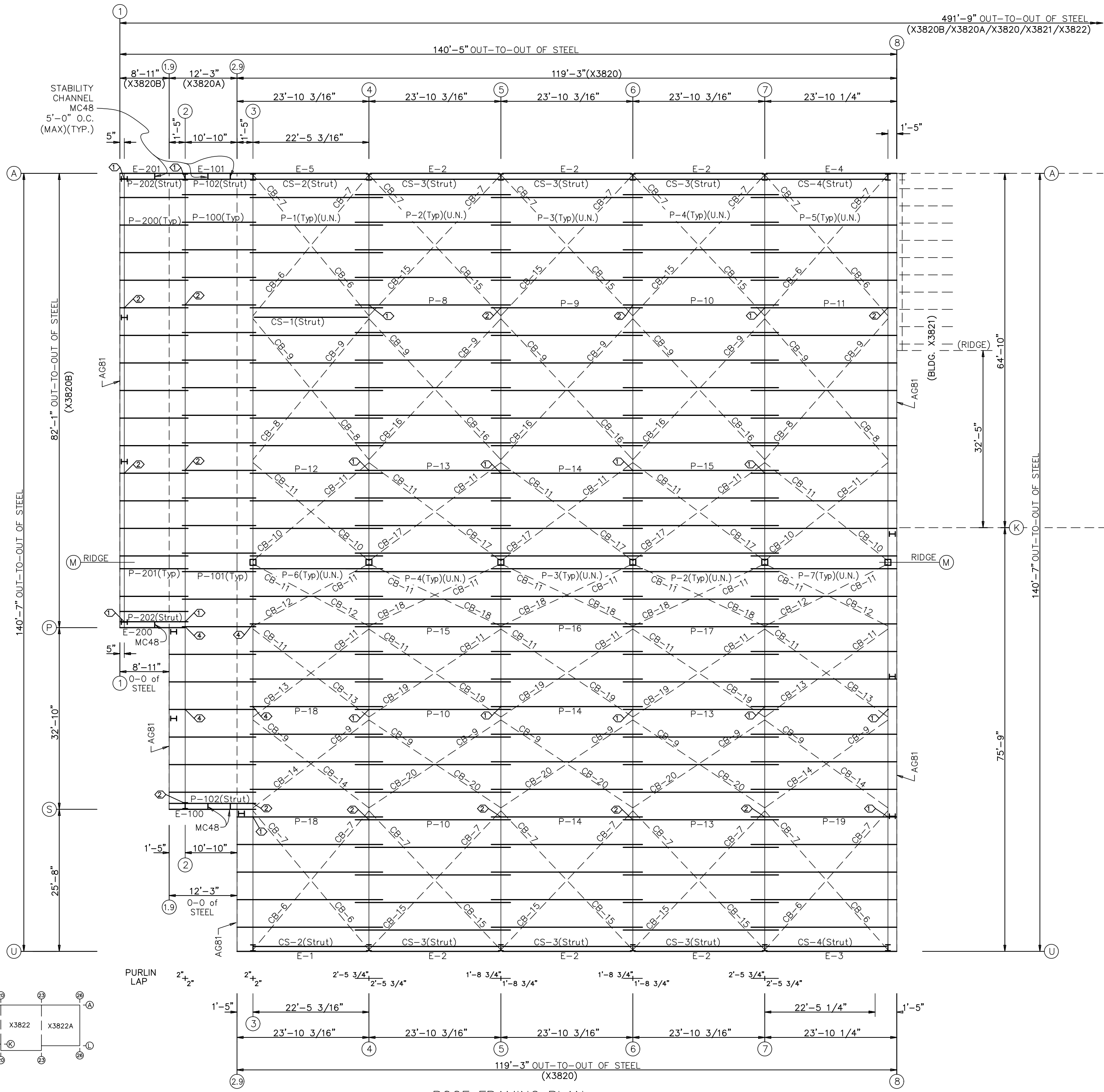


REVISIONS												SCALE : NONE		DRAWN BY L. MOORE DATE 12/19/22		CHUCK MINYARD - DISTRIBUTION		EMPIRE STEEL BUILDINGS	
REVISIONS												CHECKED BY C. BENDA DATE 12/19/22		ADELANTO CA 92301		SAN DIEGO, CA.		JOB NO. X3820/21/22	
REVISIONS												APPROVED BY NRD DATE 12/20/22		RIGID FRAME ELEVATION		SHT. OF 55			

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

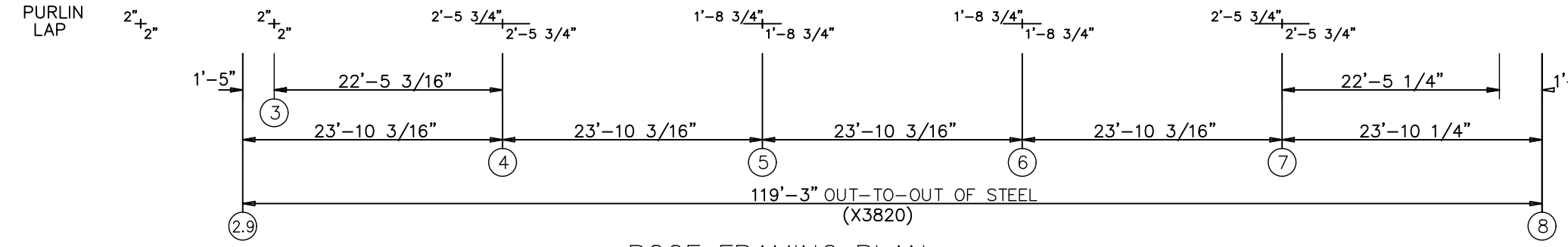
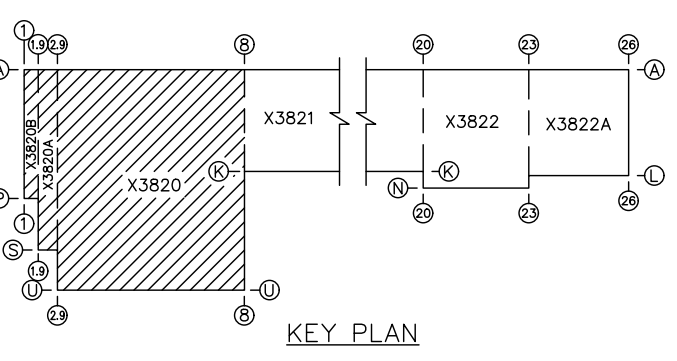
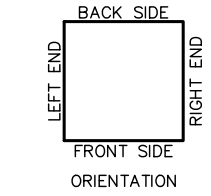
SPECIAL BOLTS & WASHERS					
ROOF PLAN					
ID	QUAN	TYPE	DIA	LENGTH	W/BT
1	2	A325	1/2"	1 1/2"	2
2	4	A325	1/2"	1 1/2"	0
4	4	A325	1/2"	1 1/2"	2

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
<b>X3820</b>		
P-1	8Z13	26'-3 13/16"
P-2	8Z15	28'-0 11/16"
P-3	8Z15	27'-3 11/16"
P-4	8Z15	28'-0 11/16"
P-5	8Z13	26'-3 7/8"
P-6	8Z13	26'-3 13/16"
P-7	8Z13	26'-3 7/8"
P-8	8Z12	28'-0 11/16"
P-9	8Z12	27'-3 11/16"
P-10	8Z13	28'-0 11/16"
P-11	8Z12	26'-3 7/8"
P-12	8Z12	26'-3 13/16"
P-13	8Z13	28'-0 11/16"
P-14	8Z13	27'-3 11/16"
P-15	8Z14	28'-0 11/16"
P-16	8Z14	27'-3 11/16"
P-17	8Z14	28'-0 11/16"
P-18	8Z12	26'-3 13/16"
P-19	8Z12	26'-3 7/8"
E-1	8E14	23'-9 15/16"
E-2	8E14	23'-9 15/16"
E-3	8E14	23'-10"
E-4	8E14	23'-10"
E-5	8E14	23'-9 15/16"
CS-1	T4X3/16	22'-4 15/16"
CS-2	T5X3/16	22'-4 15/16"
CS-3	T5X3/16	23'-9 15/16"
CS-4	T5X3/16	22'-5"
CB-6	WR7	13'-8"
CB-7	WR7	20'-0"
CB-8	WR5	14'-7"
CB-9	WR5	20'-0"
CB-10	WR4	9'-0"
CB-11	WR4	20'-0"
CB-12	WR4	5'-7"
CB-13	WR4	7'-11"
CB-14	WR5	7'-11"
CB-15	WR7	14'-8"
CB-16	WR5	15'-6"
CB-17	WR4	10'-2"
CB-18	WR4	6'-10"
CB-19	WR4	9'-1"
CB-20	WR5	9'-1"
<b>X3820A</b>		
P-100	8Z16	13'-11 3/4"
P-101	8Z16	13'-11 3/4"
P-102	8Z14	10'-9 7/8"
E-100	8E12	13'-9 7/8"
E-101	8E12	12'-2 3/4"
<b>X3820B</b>		
P-200	8Z16	10'-3 3/4"
P-201	8Z16	10'-3 3/4"
P-202	8Z16	8'-5"
E-200	8E14	10'-1 3/4"
E-201	8E14	10'-3 3/4"



TO FACILITATE THE PROPER ORIENTATION OF PURLINS/BUNDLES WHEN UNLOADING OR PLACING ON THE ROOF, POSITION THE END OF THE PURLIN/BUNDLE THAT IS TAGGED WITH A BAR CODE LABEL TO THE LEFT WHEN STANDING ON THE OUTSIDE OF THE BUILDING LOOKING IN; THE TOP FLANGE OF ZEE PURLINS SHOULD FACE UPHILL UNLESS DETAILS INDICATE OTHERWISE.

THE ARROW ON THE BARCODE LABEL POINTS TO THE NARROWER FLANGE FOR 8" ZEES; ON ALL OTHER PROFILES, THE ARROW TYPICALLY POINTS TO THE OUTSIDE FLANGE UNLESS DETAILS INDICATE OTHERWISE.



ROOF FRAMING PLAN (X3820B/X3820A/X3820)



REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER

SCALE: NONE  
 DRAWN BY: L. MOORE DATE: 12/19/22  
 CHECKED BY: C. BENDA DATE: 12/19/22  
 APPROVED BY: NRD DATE: 12/20/22

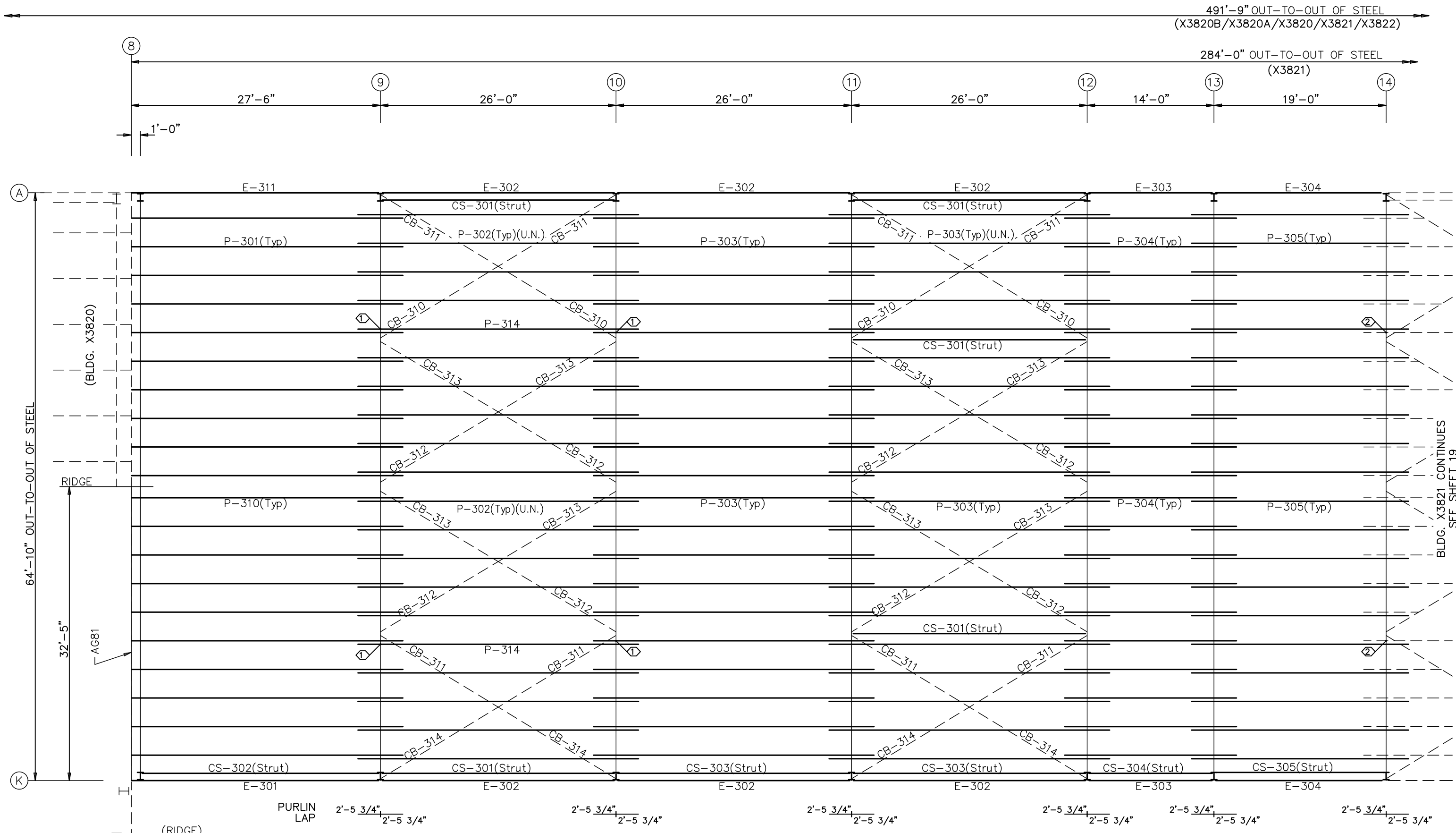
CHUCK MINYARD - DISTRIBUTION  
 ADELANTO CA 92301

EMPIRE STEEL BUILDINGS  
 SAN DIEGO, CA.  
 JOB NO. X3820/21/22 SH. 17 OF 55

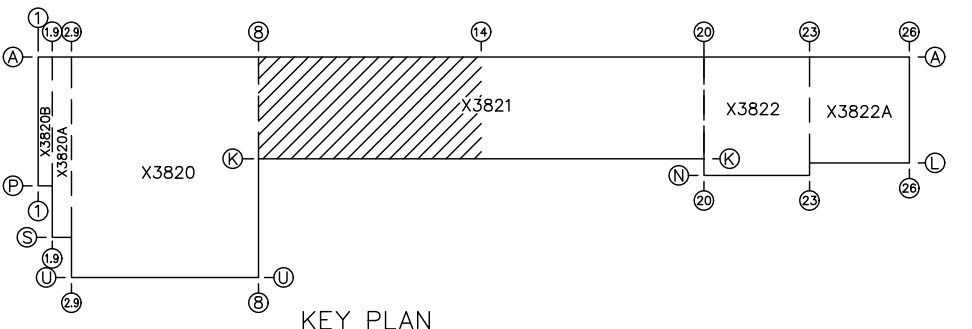
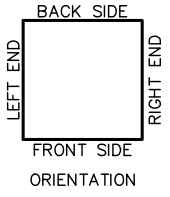
NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

SPECIAL BOLTS & WASHERS					
ROOF PLAN					
ID	QUAN	TYPE	DIA	LENGTH	W/BT
1	2	A325	1/2"	1 1/2"	2
2	4	A325	1/2"	1 1/2"	0

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
P-301	8Z13	29'-5 5/8"
P-302	8Z15	30'-11 1/2"
P-303	8Z16	30'-11 1/2"
P-304	8Z16	18'-11 1/2"
P-305	8Z16	23'-11 1/2"
P-310	8Z13	29'-5 5/8"
P-314	8Z13	30'-11 1/2"
E-301	8E12	26'-11 3/4"
E-302	8E12	25'-11 3/4"
E-303	8E12	13'-11 3/4"
E-304	8E12	18'-11 3/4"
E-311	8E12	26'-11 3/4"
CS-301	T5X3/16	25'-11 3/4"
CS-302	T6X3/16	26'-5 3/4"
CS-303	T6X3/16	25'-11 3/4"
CS-304	T4X3/16	13'-11 3/4"
CS-305	T5X3/16	18'-11 3/4"
CB-310	WR6	10'-7"
CB-311	WR6	20'-0"
CB-312	WR4	10'-10"
CB-313	WR4	20'-0"
CB-314	WR6	10'-6"

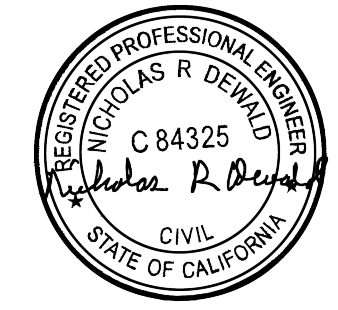


**ROOF FRAMING PLAN**  
(X3821)



TO FACILITATE THE PROPER ORIENTATION OF PURLINS/BUNDLES WHEN UNLOADING OR PLACING ON THE ROOF, POSITION THE END OF THE PURLIN/BUNDLE THAT IS TAGGED WITH A BAR CODE LABEL TO THE LEFT WHEN STANDING ON THE OUTSIDE OF THE BUILDING LOOKING IN; THE TOP FLANGE OF ZEE PURLINS SHOULD FACE UPHILL UNLESS DETAILS INDICATE OTHERWISE.

THE ARROW ON THE BARCODE LABEL POINTS TO THE NARROWER FLANGE FOR 8" ZEES; ON ALL OTHER PROFILES, THE ARROW TYPICALLY POINTS TO THE OUTSIDE FLANGE UNLESS DETAILS INDICATE OTHERWISE.



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE

DRAWN BY L. MOORE DATE 12/19/22  
 CHECKED BY C. BENDA DATE 12/19/22  
 APPROVED BY NRD DATE 12/20/22

CHUCK MINYARD - DISTRIBUTION  
 ADELANTO CA 92301

EMPIRE STEEL BUILDINGS  
 SAN DIEGO, CA.

ROOF FRAMING

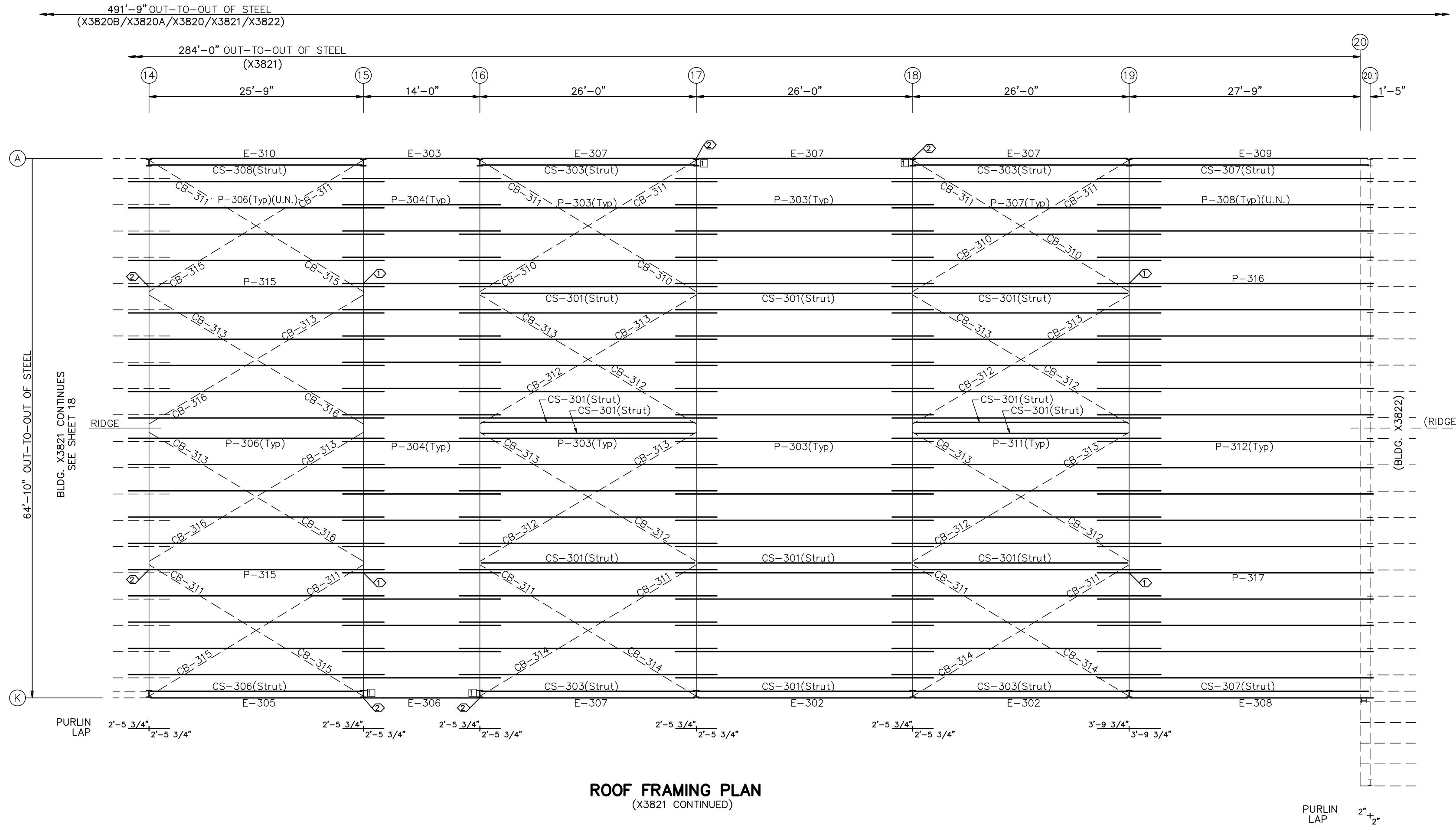
JOB NO. X3820/21/22 SHT. 18 OF 55

NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

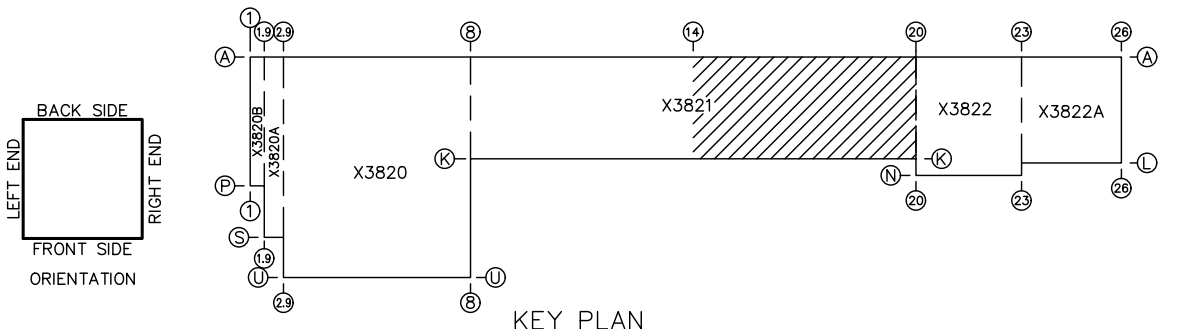
SPECIAL BOLTS & WASHERS					
ROOF PLAN					
ID	QUAN	TYPE	DIA	LENGTH	W/BT
1	2	A325	1/2"	1 1/2"	2
2	4	A325	1/2"	1 1/2"	0

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
P-303	8Z16	30'-11 1/2"
P-304	8Z16	18'-11 1/2"
P-305	8Z16	23'-11 1/2"
P-306	8Z15	30'-8 1/2"
P-307	8Z16	32'-3 1/2"
P-308	8Z13	34'-11 1/2"
P-311	8Z16	32'-3 1/2"
P-312	8Z13	34'-11 1/2"
P-315	8Z13	30'-8 1/2"
P-316	8Z12	34'-11 1/2"
P-317	8Z12	34'-11 1/2"
E-302	8E12	25'-11 3/4"
E-303	8E12	13'-11 3/4"
E-305	8E12	25'-8 3/4"
E-306	8E12	13'-11 3/4"
E-307	8E12	25'-11 3/4"
E-308	8E12	29'-5 3/4"
E-309	8E12	29'-1 3/4"
E-310	8E12	25'-8 3/4"
CS-301	T5X3/16	25'-11 3/4"
CS-303	T6X3/16	25'-11 3/4"
CS-306	T6X3/16	25'-8 3/4"
CS-307	T5X3/16	27'-5 3/4"
CS-308	T5X3/16	29'-1 3/4"
CB-310	WR6	10'-7"
CB-311	WR6	20'-0"
CB-312	WR4	10'-10"
CB-313	WR4	20'-0"
CB-314	WR6	10'-6"
CB-315	WR6	10'-4"
CB-316	WR4	10'-7"

CONNECTION PLATES	
ROOF PLAN	
ID	MARK/PART
1	MP147



**ROOF FRAMING PLAN**  
(X3821 CONTINUED)



TO FACILITATE THE PROPER ORIENTATION OF PURLINS/BUNDLES WHEN UNLOADING OR PLACING ON THE ROOF, POSITION THE END OF THE PURLIN/BUNDLE THAT IS TAGGED WITH A BAR CODE LABEL TO THE LEFT WHEN STANDING ON THE OUTSIDE OF THE BUILDING LOOKING IN; THE TOP FLANGE OF ZEE PURLINS SHOULD FACE UPHILL UNLESS DETAILS INDICATE OTHERWISE.

THE ARROW ON THE BARCODE LABEL POINTS TO THE NARROWER FLANGE FOR 8" ZEES; ON ALL OTHER PROFILES, THE ARROW TYPICALLY POINTS TO THE OUTSIDE FLANGE UNLESS DETAILS INDICATE OTHERWISE.



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

SCALE : NONE

DRAWN BY	L. MOORE	DATE	12/19/22	CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301	<b>EMPIRE STEEL BUILDINGS</b> SAN DIEGO, CA.
CHECKED BY	C. BENDA	DATE	12/19/22		
APPROVED BY	NRD	DATE	12/20/22		
REVIEWED BY		DATE		ROOF FRAMING	JOB NO. X3820/21/22

SHT. 19 OF 55

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

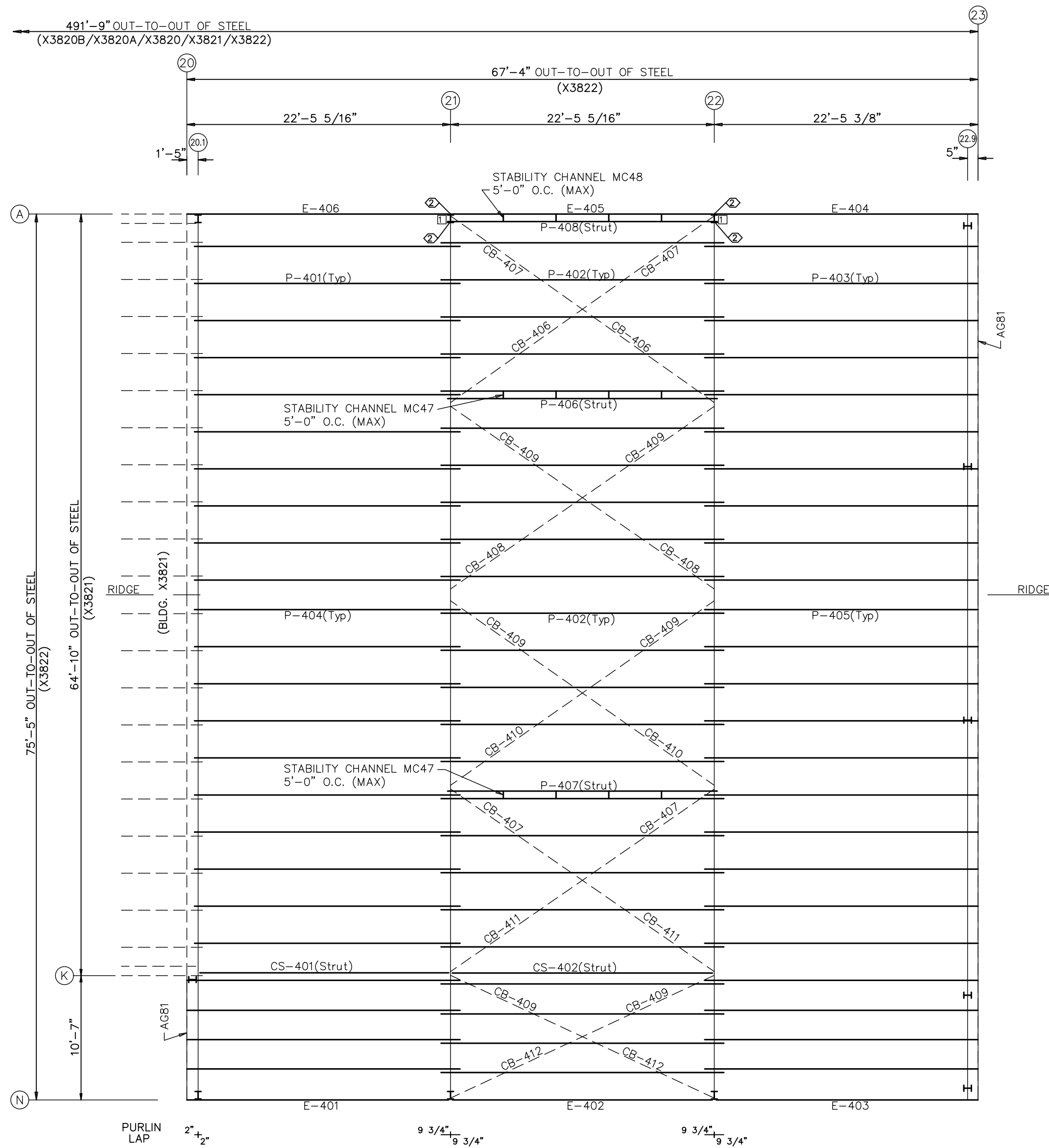
SPECIAL BOLTS & WASHERS					
ROOF PLAN					
ID	QUAN	TYPE	DIA	LENGTH	W/BT
2	4	A325	1/2"	1 1/2"	0

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
P-401	8Z16	23'-2 15/16"
P-402	8Z16	24'-0 13/16"
P-403	8Z16	23'-3"
P-404	8Z16	23'-2 15/16"
P-405	8Z16	23'-3"
P-406	8Z13	21'-0 1/16"
P-407	8Z12	22'-9 5/16"
P-408	8Z16	22'-9 5/16"
E-401	8E14	22'-5 1/16"
E-402	8E14	22'-5 1/16"
E-403	8E14	22'-5 1/8"
E-404	8E14	22'-5 1/8"
E-405	8E14	22'-5 1/16"
E-406	8E14	22'-5 1/16"
CS-401	T5X3/16	21'-0 1/16"
CS-402	T5X3/16	22'-5 1/16"
CB-406	WR6	7'-6"
CB-407	WR6	20'-0"
CB-408	WR4	7'-10"
CB-409	WR4	20'-0"
CB-410	WR4	7'-11"
CB-411	WR6	7'-11"
CB-412	WR4	4'-9"

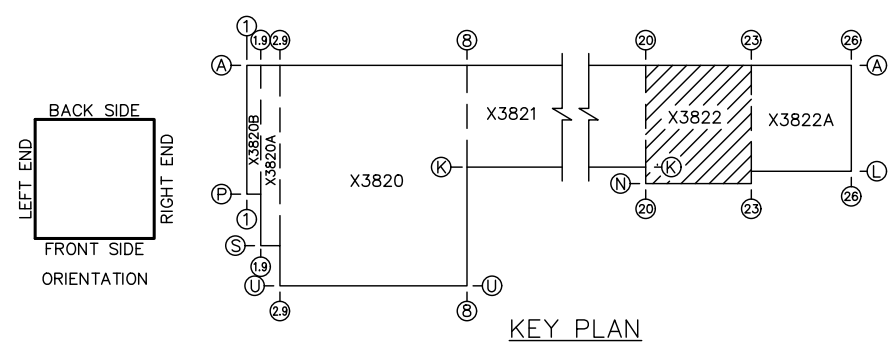
CONNECTION PLATES	
ROOF PLAN	
ID	MARK/PART
1	MP147

TRIM TABLE	
ROOF PLAN	
ID	PART
1	MT01



**ROOF FRAMING PLAN**  
(X3822)



KEY PLAN

TO FACILITATE THE PROPER ORIENTATION OF PURLINS/BUNDLES WHEN UNLOADING OR PLACING ON THE ROOF, POSITION THE END OF THE PURLIN/BUNDLE THAT IS TAGGED WITH A BAR CODE LABEL TO THE LEFT WHEN STANDING ON THE OUTSIDE OF THE BUILDING LOOKING IN; THE TOP FLANGE OF ZEE PURLINS SHOULD FACE UPHILL UNLESS DETAILS INDICATE OTHERWISE.

THE ARROW ON THE BARCODE LABEL POINTS TO THE NARROWER FLANGE FOR 8" ZEES; ON ALL OTHER PROFILES, THE ARROW TYPICALLY POINTS TO THE OUTSIDE FLANGE UNLESS DETAILS INDICATE OTHERWISE.



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE
DRAWN BY L. MOORE DATE 12/19/22
CHECKED BY C. BENDA DATE 12/19/22
APPROVED BY NRD DATE 12/20/22
REVIEWED BY DATE

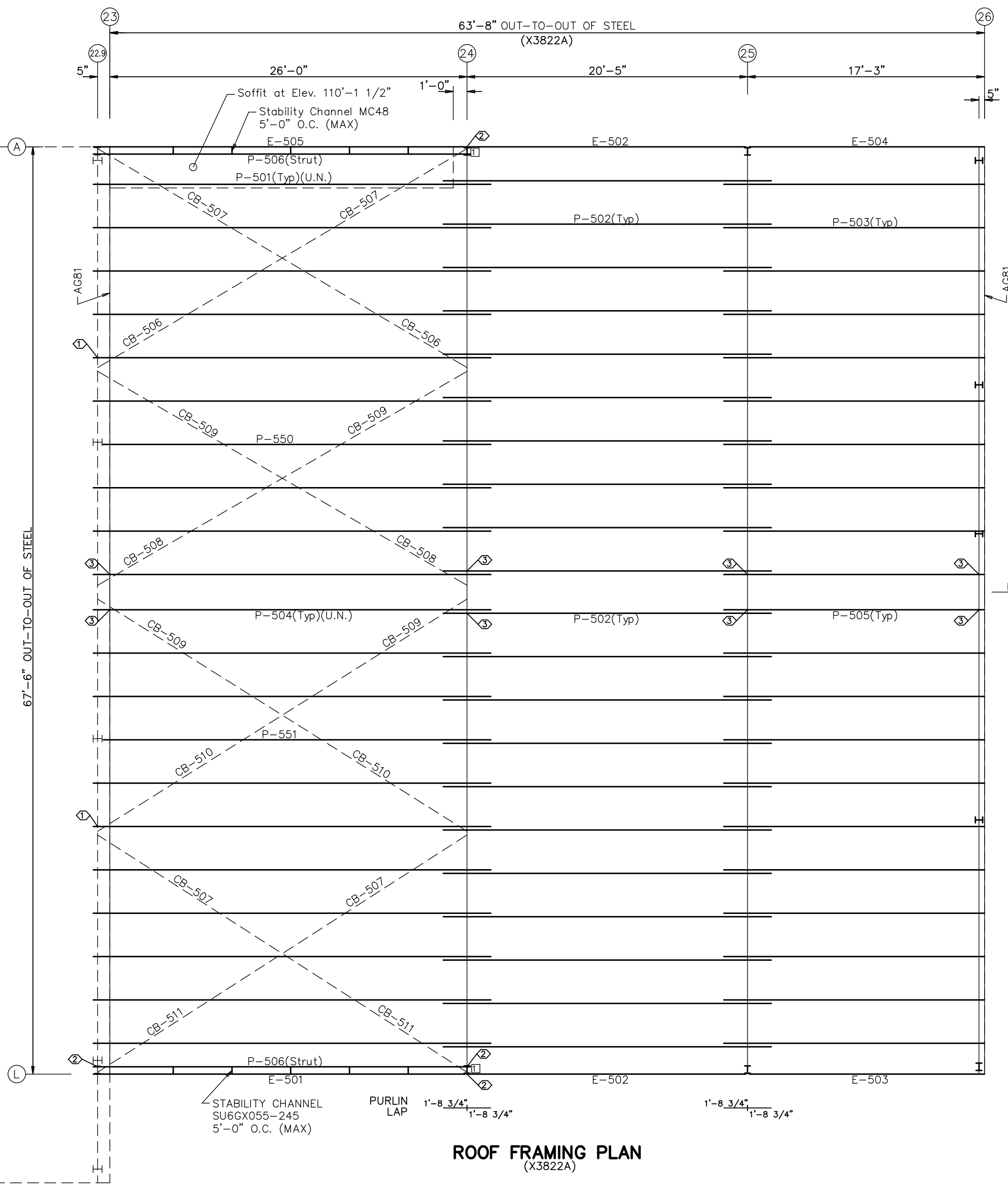
CHUCK MINYARD - DISTRIBUTION  
ADELANTO CA 92301

EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

ROOF FRAMING

JOB NO. X3820/21/22 SHT. OF 20 55

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.



ROOF FRAMING PLAN (X3822A)

SPECIAL BOLTS & WASHERS  
ROOF PLAN

ID	QUAN	TYPE	DIA.	LENGTH	W/BT
1	2	A325	1/2"	1 1/2"	2
2	4	A325	1/2"	1 1/2"	0
3	4	A325	1/2"	1 1/2"	0

W/MP205 BACK-UP PLATE

MEMBER TABLE  
ROOF PLAN

MARK	PART	LENGTH
P-501	8Z12	28'-5 5/8"
P-502	8Z14	23'-10 1/2"
P-503	8Z16	18'-11 5/8"
P-504	8Z12	28'-5 5/8"
P-505	8Z16	18'-11 5/8"
P-506	8Z16	26'-0"
P-550	8Z12	27'-9 1/4"
P-551	8Z12	27'-9 1/4"
E-501	8E12	26'-8 3/4"
E-502	8E12	20'-4 3/4"
E-503	8E12	17'-2 3/4"
E-504	8E12	17'-2 3/4"
E-505	8E12	26'-8 3/4"
CB-506	WR6	10'-3"
CB-507	WR6	20'-0"
CB-508	WR4	10'-6"
CB-509	WR4	20'-0"
CB-510	WR4	11'-3"
CB-511	WR6	10'-11"

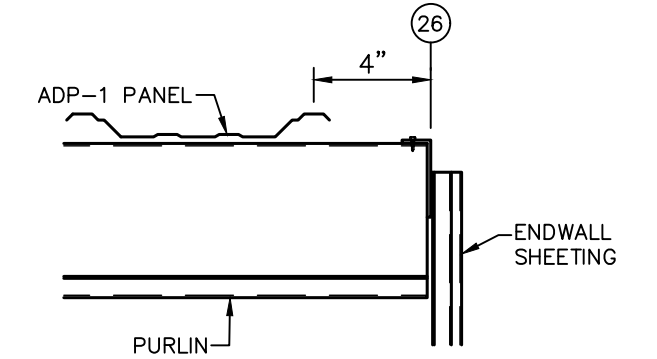
CONNECTION PLATES  
ROOF PLAN

ID	MARK/PART
1	IMP147

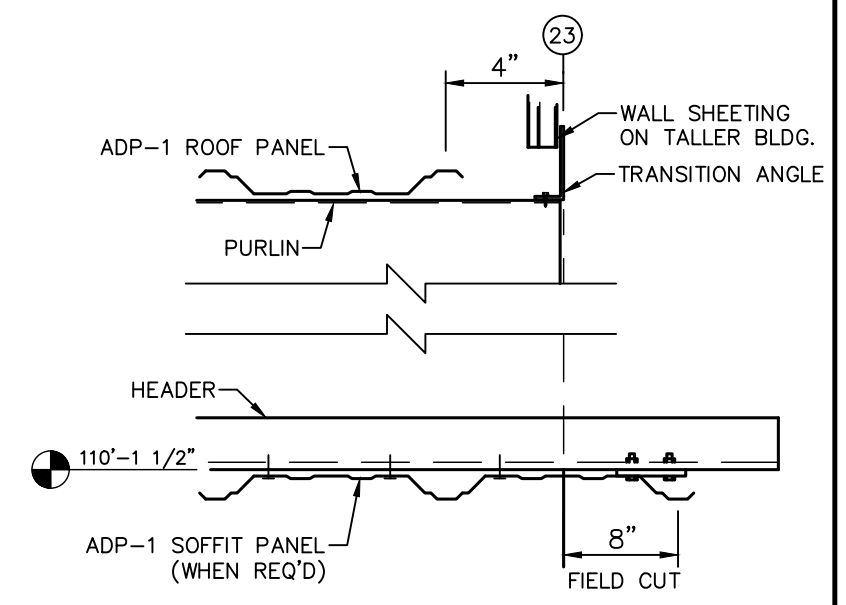
TRIM TABLE  
ROOF PLAN

ID	PART
1	IM101

[A] 3'-0" (9)  
**SOFFIT SHEETING**  
(At Back Sidewall Recess between Grids 23 & 24)  
Elev.=110'-1 1/2"  
[A] PANELS: 26 Ga. A1

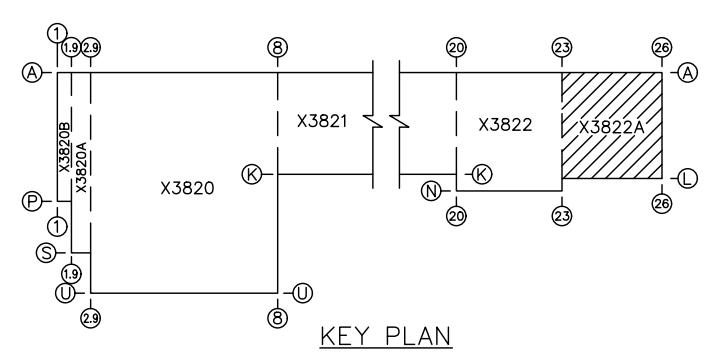
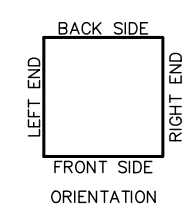


DETAIL: ROOF PANEL START DIMENSION AT EXTERIOR WALL S205



DETAIL: ROOF PANEL START DIMENSION AT TALLER METAL WALL S208X

ROOF SHEETING  
PANELS: 26 Ga. A1 GALVALUME



KEY PLAN

TO FACILITATE THE PROPER ORIENTATION OF PURLINS/BUNDLES WHEN UNLOADING OR PLACING ON THE ROOF, POSITION THE END OF THE PURLIN/BUNDLE THAT IS TAGGED WITH A BAR CODE LABEL TO THE LEFT WHEN STANDING ON THE OUTSIDE OF THE BUILDING LOOKING IN; THE TOP FLANGE OF ZEE PURLINS SHOULD FACE UPHILL UNLESS DETAILS INDICATE OTHERWISE.

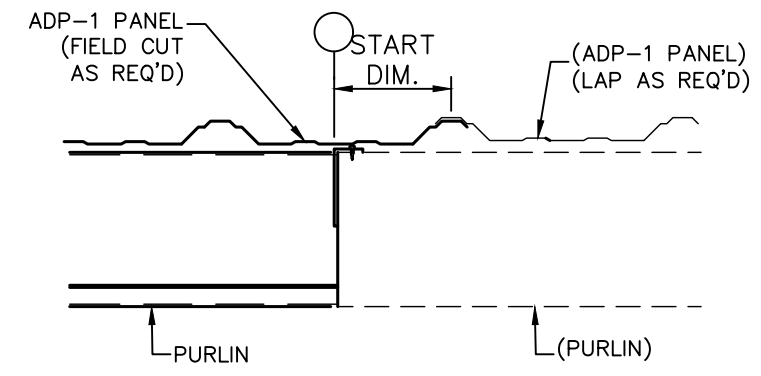
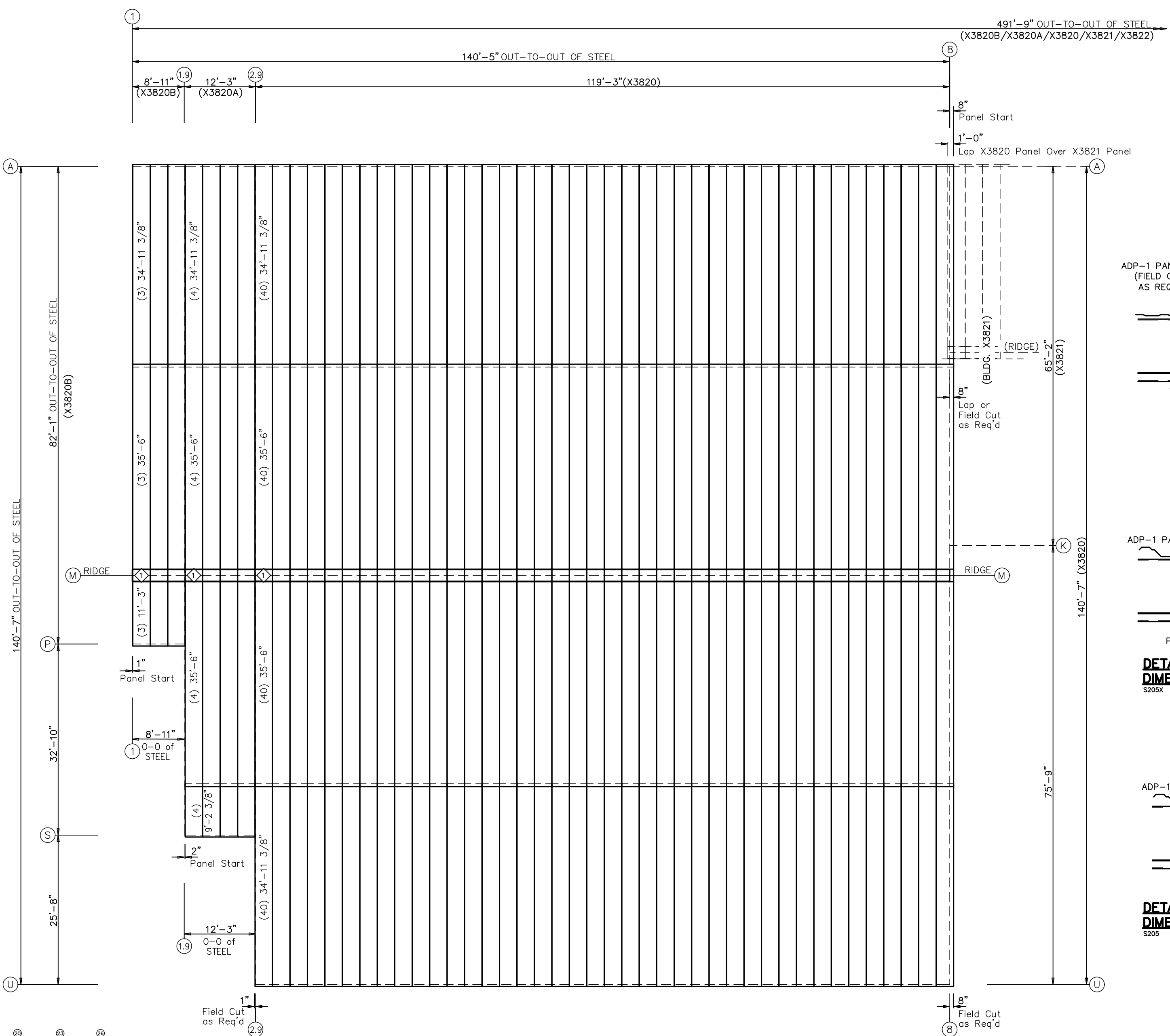
THE ARROW ON THE BARCODE LABEL POINTS TO THE NARROWER FLANGE FOR 8" ZEES; ON ALL OTHER PROFILES, THE ARROW TYPICALLY POINTS TO THE OUTSIDE FLANGE UNLESS DETAILS INDICATE OTHERWISE.

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	SCALE : NONE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301	EMPIRE STEEL BUILDINGS SAN DIEGO, CA.	JOB NO. X3820/21/22	SHT. OF 21 55

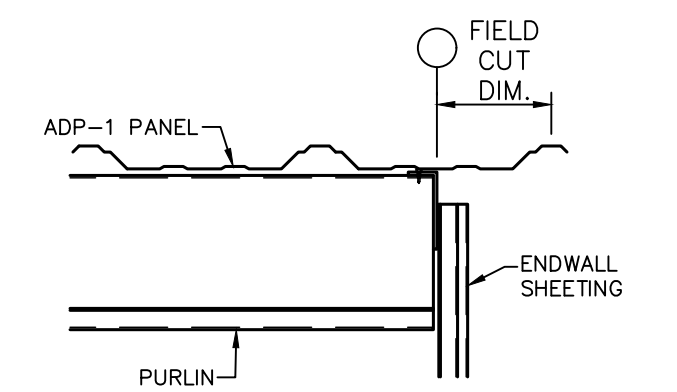


NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

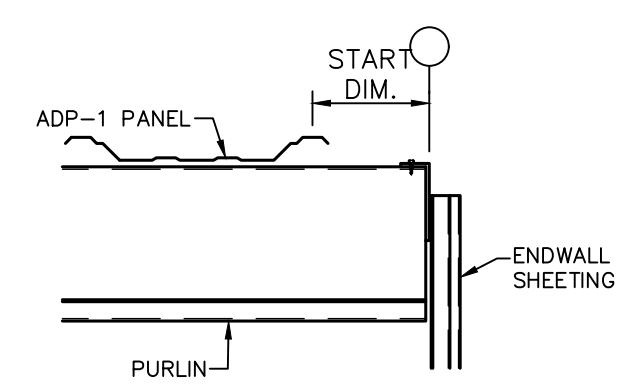
TRIM TABLE
ROOF PLAN
SID PART
11M101



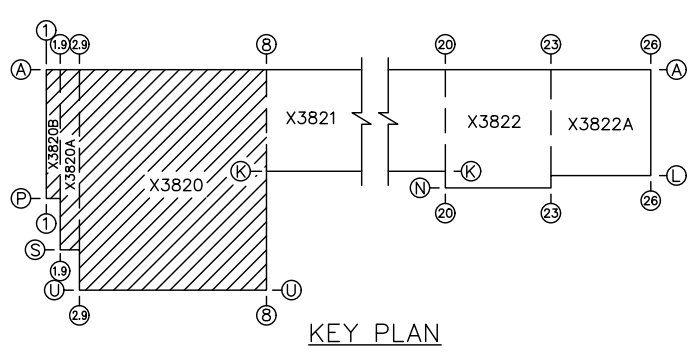
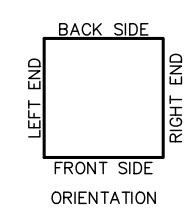
**DETAIL: ROOF PANEL START DIMENSION AT BUILDING LINE**  
S205XA



**DETAIL: ROOF PANEL FIELD CUT DIMENSION AT BUILDING LINE**  
S205X



**DETAIL: ROOF PANEL START DIMENSION AT BUILDING LINE**  
S205



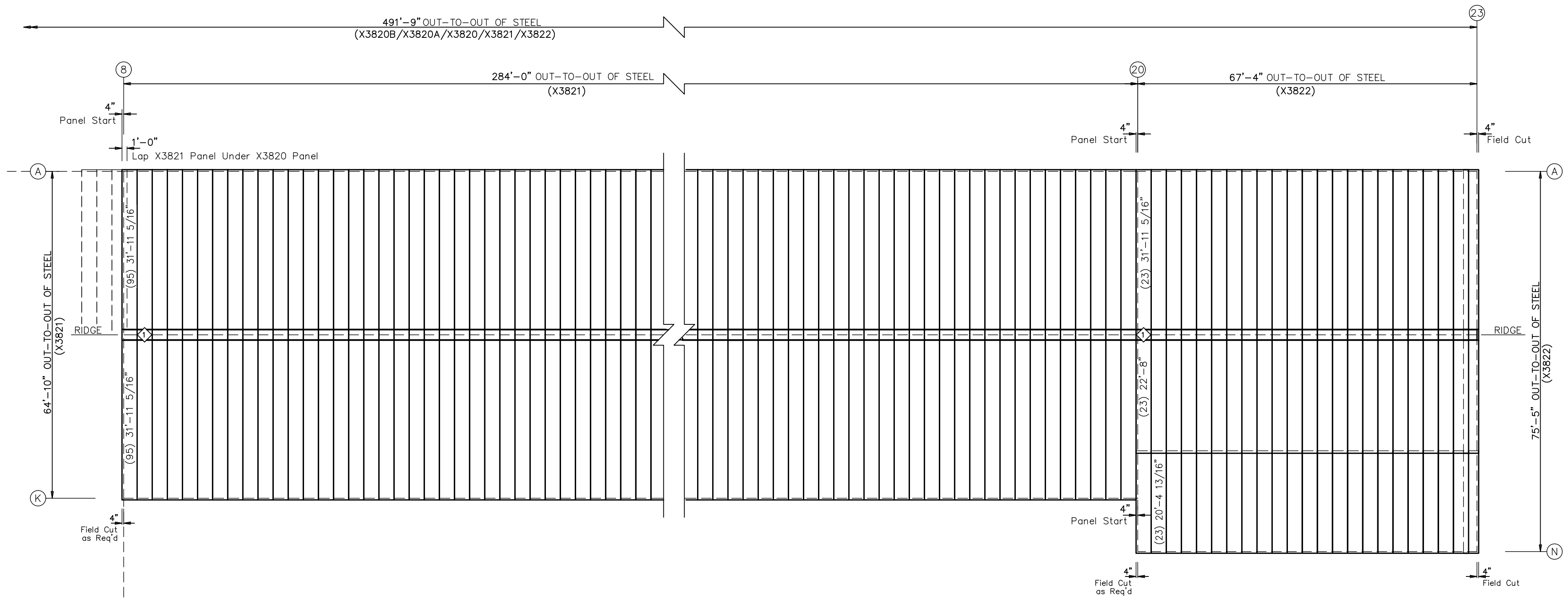
**ROOF SHEETING PLAN**  
PANELS: 26 Ga. A1 - GALVALUME



										SCALE : NONE		CHUCK MINYARD - DISTRIBUTION		EMPIRE STEEL BUILDINGS			
										DRAWN BY L. MOORE		DATE 12/19/22		ADELANTO CA 92301		SAN DIEGO, CA.	
										CHECKED BY C. BENDA		DATE 12/19/22					
										APPROVED BY NRD		DATE 12/20/22		ROOF SHEETING		JOB NO. X3820/21/22	
										REVIEWED BY		DATE		SHT. 22		OF 55	

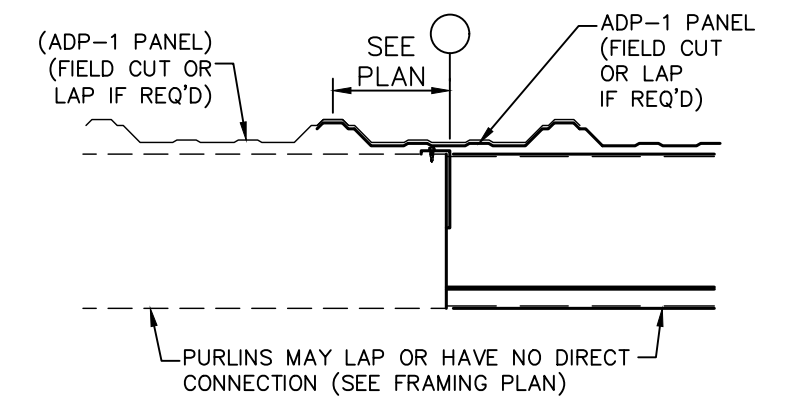
NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

TRIM TABLE  
ROOF PLAN  
SHEET PART  
11M101

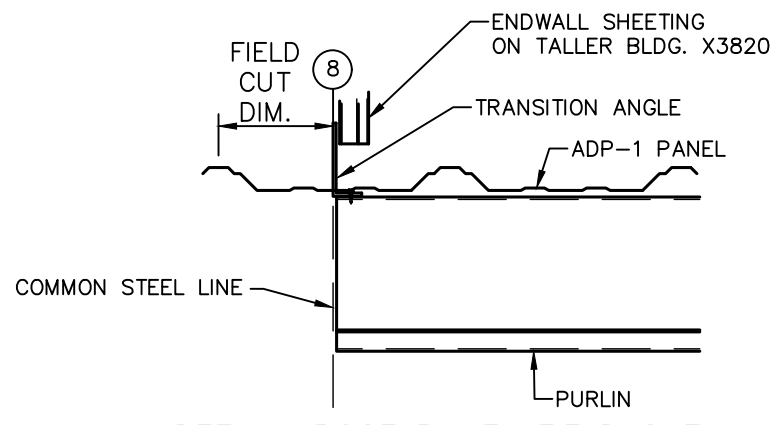


NOTE:  
FOR  
X3822A  
SHEETING  
PLAN,  
SEE  
SHEET 21.

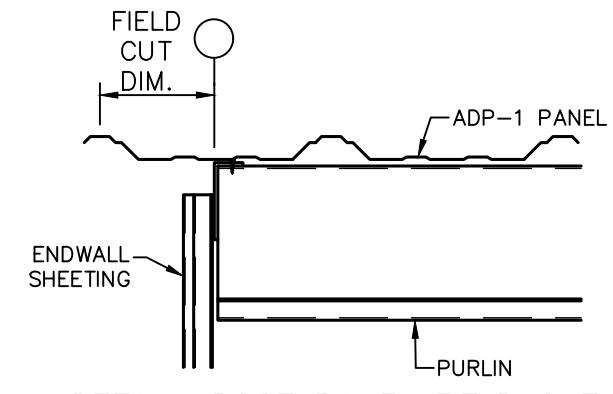
**ROOF SHEETING PLAN**  
PANELS: 26 Ga. A1 - GALVALUME



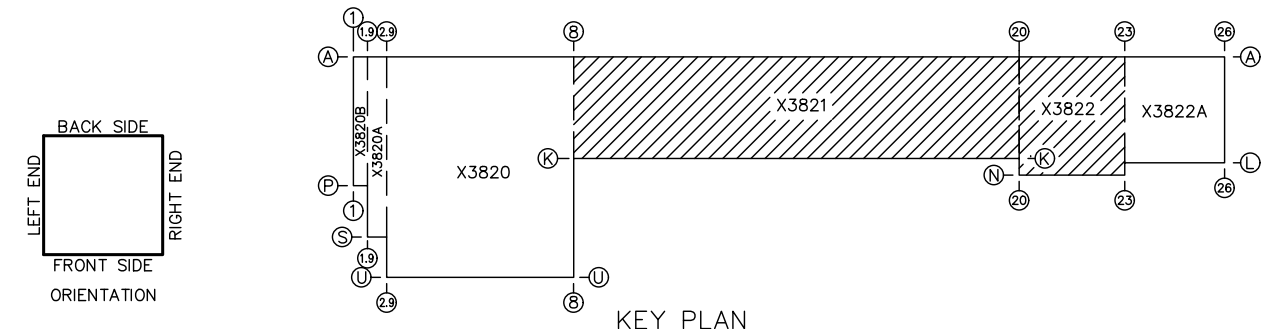
**DETAIL: ROOF PANEL START  
DIMENSION AT BUILDING LINE**  
S205XA



**DETAIL: ROOF PANEL FIELD CUT  
DIMENSION AT TALLER METAL WALL**  
S208X



**DETAIL: ROOF PANEL FIELD CUT  
DIMENSION AT BUILDING LINE**  
S205X



REVISIONS										REVISIONS										SCALE : NONE		DRAWN BY L. MOORE DATE 12/19/22		CHUCK MINYARD - DISTRIBUTION		EMPIRE STEEL BUILDINGS	
REVISIONS										REVISIONS										CHECKED BY C. BENDA DATE 12/19/22		ADELANTO CA 92301		SAN DIEGO, CA.			
REVISIONS										REVISIONS										APPROVED BY NRD DATE 12/20/22		ROOF SHEETING		JOB NO. X3820/21/22		SHT. OF 23 55	

NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

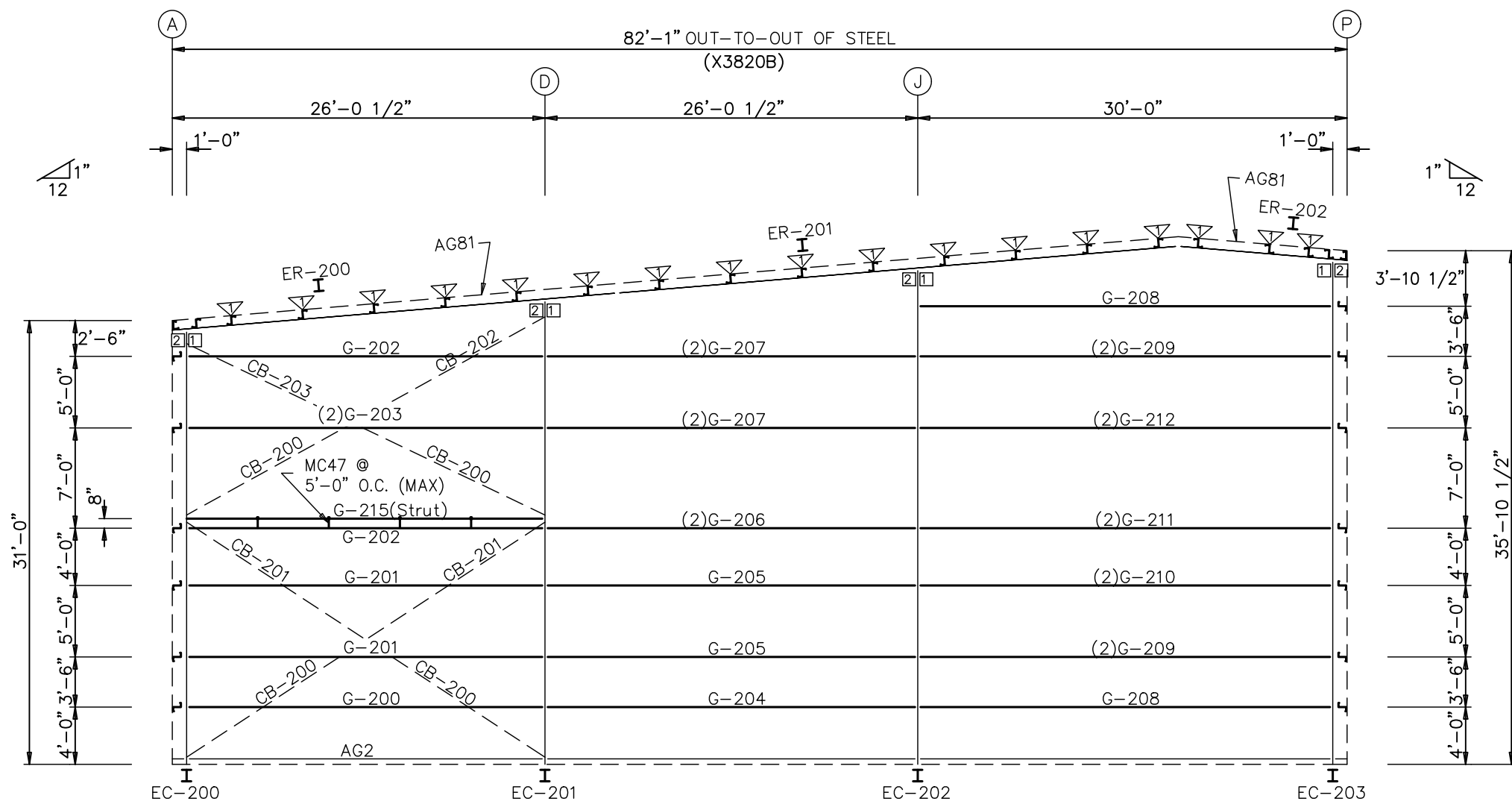
BOLT TABLE					
FRAME LINE 1					
LOCATION	QUAN	TYPE	DIA	LENGTH	W/BT
ER-200/ER-201	8	A325	5/8"	2 1/4"	0
ER-201/ER-202	8	A325	5/8"	2 1/4"	0
Columns/Raf	8	A325	1/2"	1 1/2"	0
Strut @ Wall	4	A325	3/4"	1 1/2"	2

MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-200	W8X18	29'-9 1/16"
EC-201	W8X24	31'-6 1/8"
EC-202	W8X24	33'-8 1/8"
EC-203	W8X18	34'-3 9/16"
ER-200	W10X12	31'-2 13/16"
ER-201	W10X12	39'-4 3/16"
ER-202	W10X12	11'-10 9/16"
G-200	8Z14	24'-4"
G-201	8Z13	24'-4"
G-202	8Z12	24'-4"
G-203	8Z15	24'-4"
G-204	8Z14	25'-4"
G-205	8Z13	25'-4"
G-206	8Z16	25'-4"
G-207	8Z15	25'-4"
G-208	8Z12	28'-3 1/2"
G-209	8Z16	28'-3 1/2"
G-210	8Z15	28'-3 1/2"
G-211	8Z14	28'-3 1/2"
G-212	8Z13	28'-3 1/2"
G-215	8Z16	24'-4"
CB-200	WR5	20'-0"
CB-201	WR5	10'-5"
CB-202	WR5	9'-0"
CB-203	WR5	8'-1"

FLANGE BRACE TABLE	
FRAME LINE 1	
VID MARK	LENGTH
1 FB180A	1'-6"

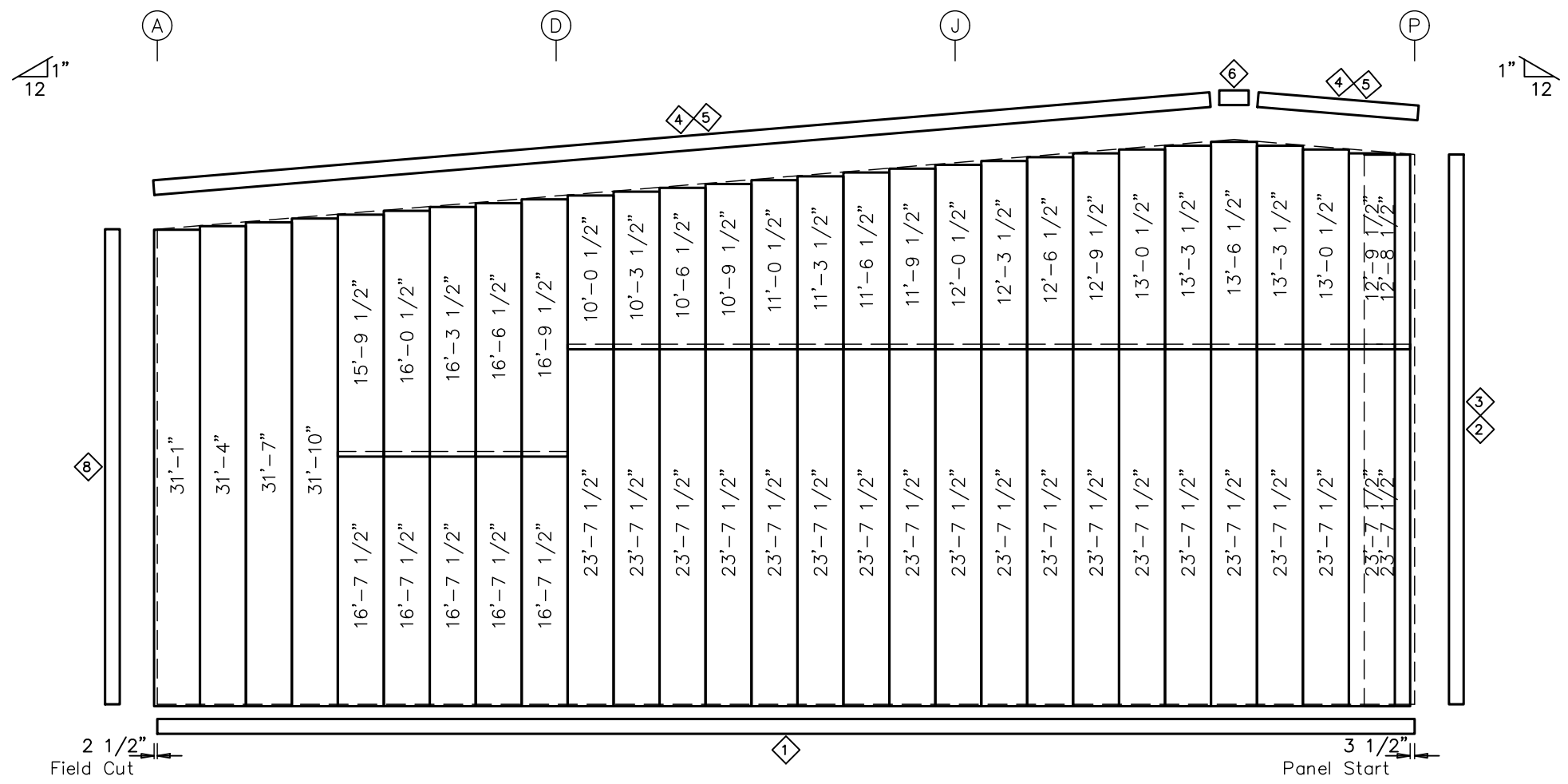
CONNECTION PLATES	
FRAME LINE 1	
ID MARK	PART
1	CP131
2	CP130

TRIM TABLE	
FRAME LINE 1	
ID	PART
1	TW11-20
2	TW45-16
3	TW45-20
4	TE31
5	TR1-20
6	TR3
8	TW1-16



LEFT ENDWALL FRAMING: FRAME LINE 1  
(X3820B)

NOTE: (2)=NESTED GIRTS



LEFT ENDWALL SHEETING & TRIM: FRAME LINE 1  
(X3820B)

PANELS: 26 Ga. A1 -



REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER

SCALE : NONE	DRAWN BY L. MOORE DATE 12/19/22	CHUCK MINYARD - DISTRIBUTION	EMPIRE STEEL BUILDINGS SAN DIEGO, CA.
CHECKED BY C. BENDA DATE 12/19/22	ADDELANTO CA 92301		
APPROVED BY NRD DATE 12/20/22			
REVIEWED BY	DATE	ENDWALL FRAMING	JOB NO. X3820/21/22

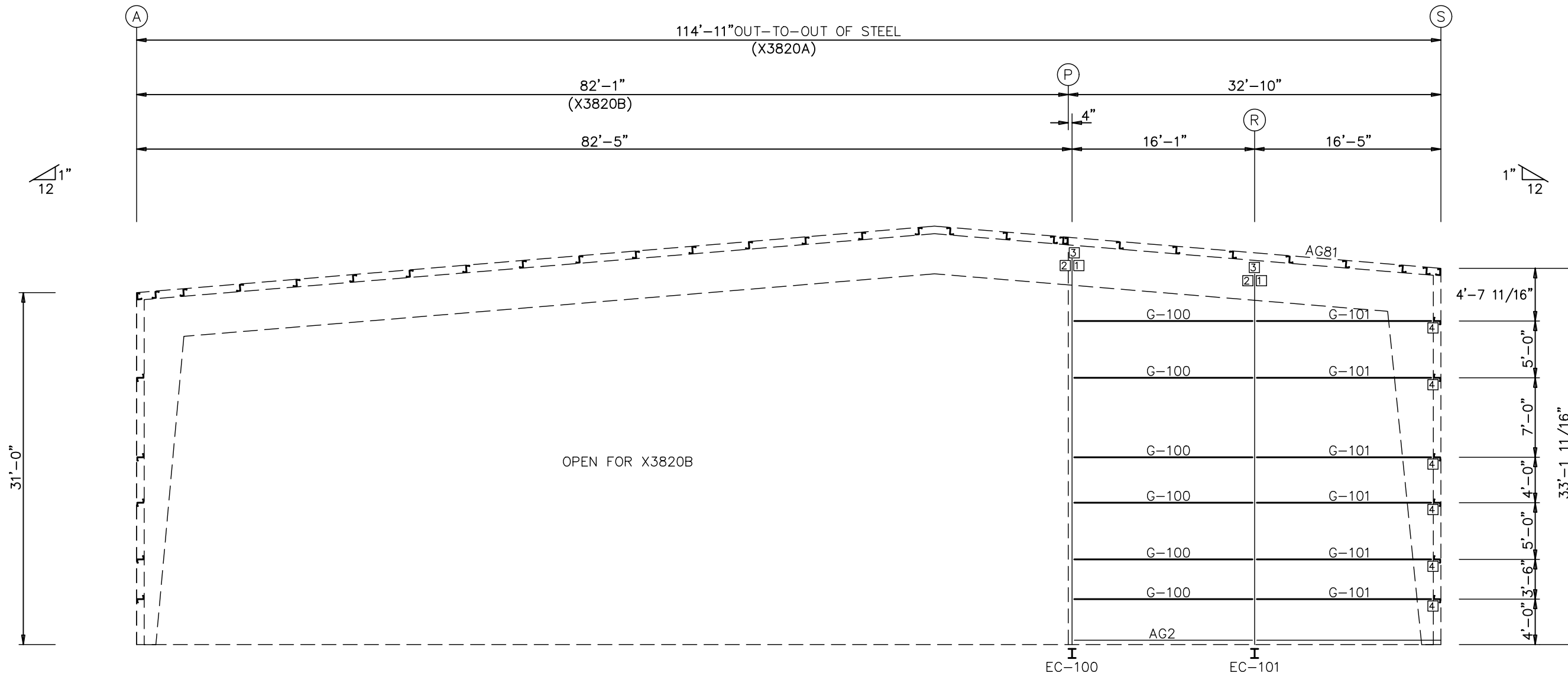
NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

BOLT TABLE			
FRAME LINE 1.9			
LOCATION	QUAN	TYPE	DIA
Columns/Rof	10	A325	1 1/2"

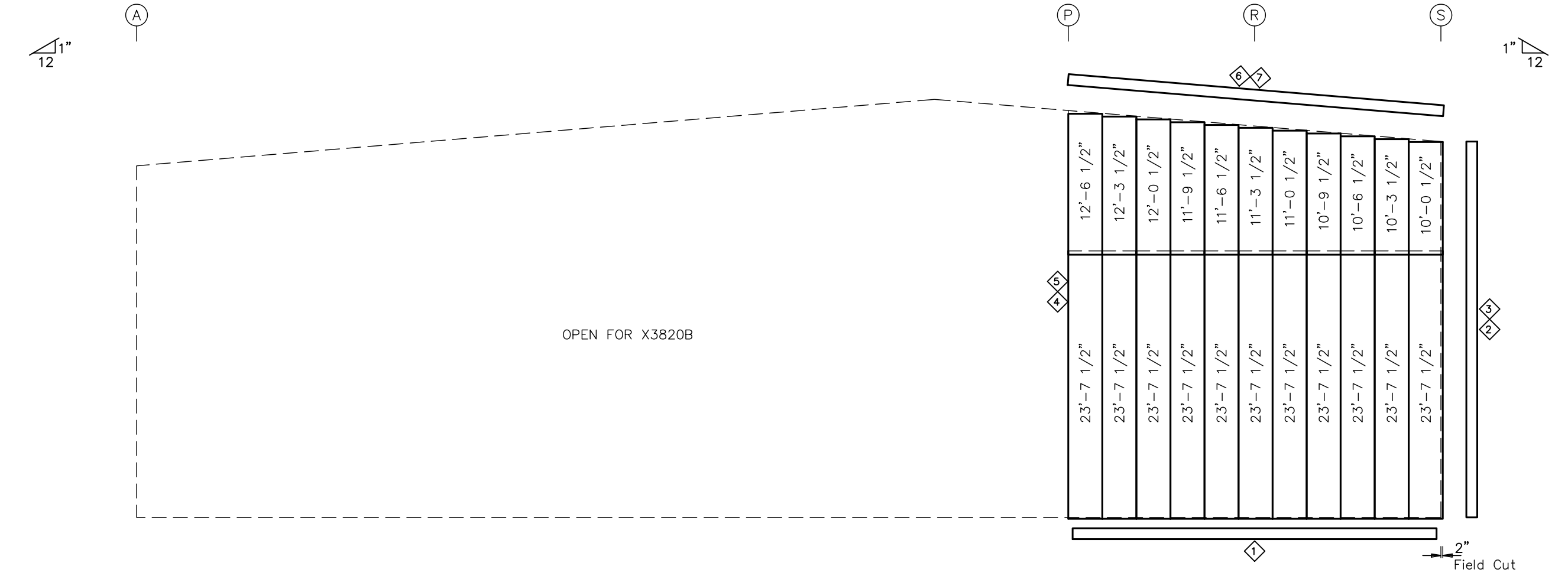
MEMBER TABLE			
FRAME LINE 1.9			
MARK	PART	LENGTH	
EC-100	W8X15	34'-2 1/4"	
EC-101	W8X18	32'-10 3/16"	
G-100	8Z16	15'-4 1/2"	
G-101	8Z16	15'-4 1/4"	

CONNECTION PLATES	
FRAME LINE 1.9	
ID	MARK/PART
1	CP130
2	CP131
3	CP144
4	MP234

TRIM TABLE	
FRAME LINE 1.9	
ID	PART
1	TW1-20
2	TW45-16
3	TW45-20
4	TFC6_035-035B
5	TFC6_035-035A
6	TE31
7	TR54-20



LEFT ENDWALL FRAMING: FRAME LINE 1.9  
(X3820A)



ENDWALL SHEETING & TRIM: FRAME LINE 1.9  
(X3820A)  
PANELS: 26 Ga. A1 -



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE

DRAWN BY: L. MOORE DATE: 12/19/22

CHECKED BY: C. BENDA DATE: 12/19/22

APPROVED BY: NRD DATE: 12/20/22

REVIEWED BY: DATE:

CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301

EMPIRE STEEL BUILDINGS SAN DIEGO, CA.

ENDWALL FRAMING

JOB NO. X3820/21/22 SHT. OF 25 55

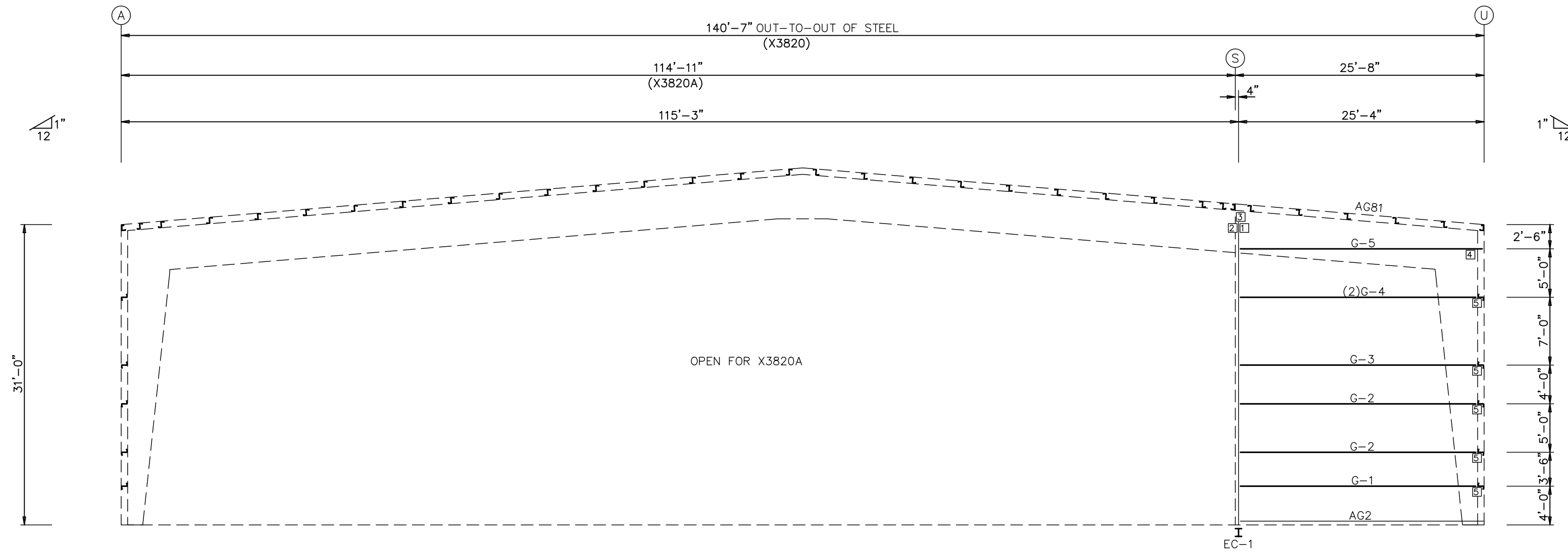
NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

BOLT TABLE			
FRAME LINE 2.9			
LOCATION	QUAN	TYPE	DIA. LENGTH
Columns/Raft	10	A-325	1/2" 1 1/2"

MEMBER TABLE			
FRAME LINE 2.9			
MARK	PART	LENGTH	
EC-1	W8X15	31'-5 3/8"	
G-1	8Z14	24'-3 1/4"	
G-2	8Z13	24'-3 1/4"	
G-3	8Z12	24'-3 1/4"	
G-4	8Z16	24'-3 1/4"	
G-5	8Z13	24'-11 5/8"	

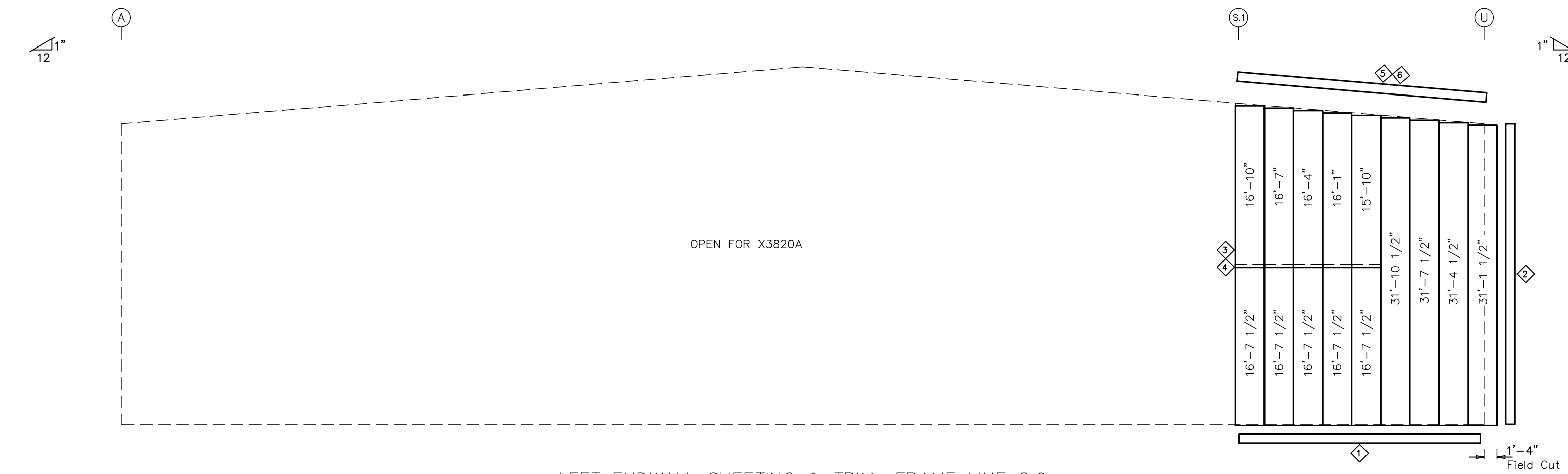
CONNECTION PLATES	
FRAME LINE 2.9	
ID	MARK/PART
1	CPT30
2	CP131
3	CP144
4	CP194
5	MP234

TRIM TABLE	
FRAME LINE 2.9	
ID	PART
1	TW11-20
2	TW1-16
3	TW55-16
4	TW55-20
5	TE31
6	TR1



LEFT ENDWALL FRAMING: FRAME LINE 2.9  
(X3820)

NOTE: (2)=NESTED GIRTS



LEFT ENDWALL SHEETING & TRIM: FRAME LINE 2.9  
(X3820)  
PANELS: 26 Ga. A1 -



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE	CHUCK MINYARD - DISTRIBUTION	<b>EMPIRE STEEL BUILDINGS</b> SAN DIEGO, CA.
DRAWN BY L. MOORE DATE 12/19/22	ADELANTO CA 92301	
CHECKED BY C. BENDA DATE 12/19/22		
APPROVED BY NRD DATE 12/20/22		
REVIEWED BY	DATE	JOB NO. X3820/21/22
		SHT. OF 55



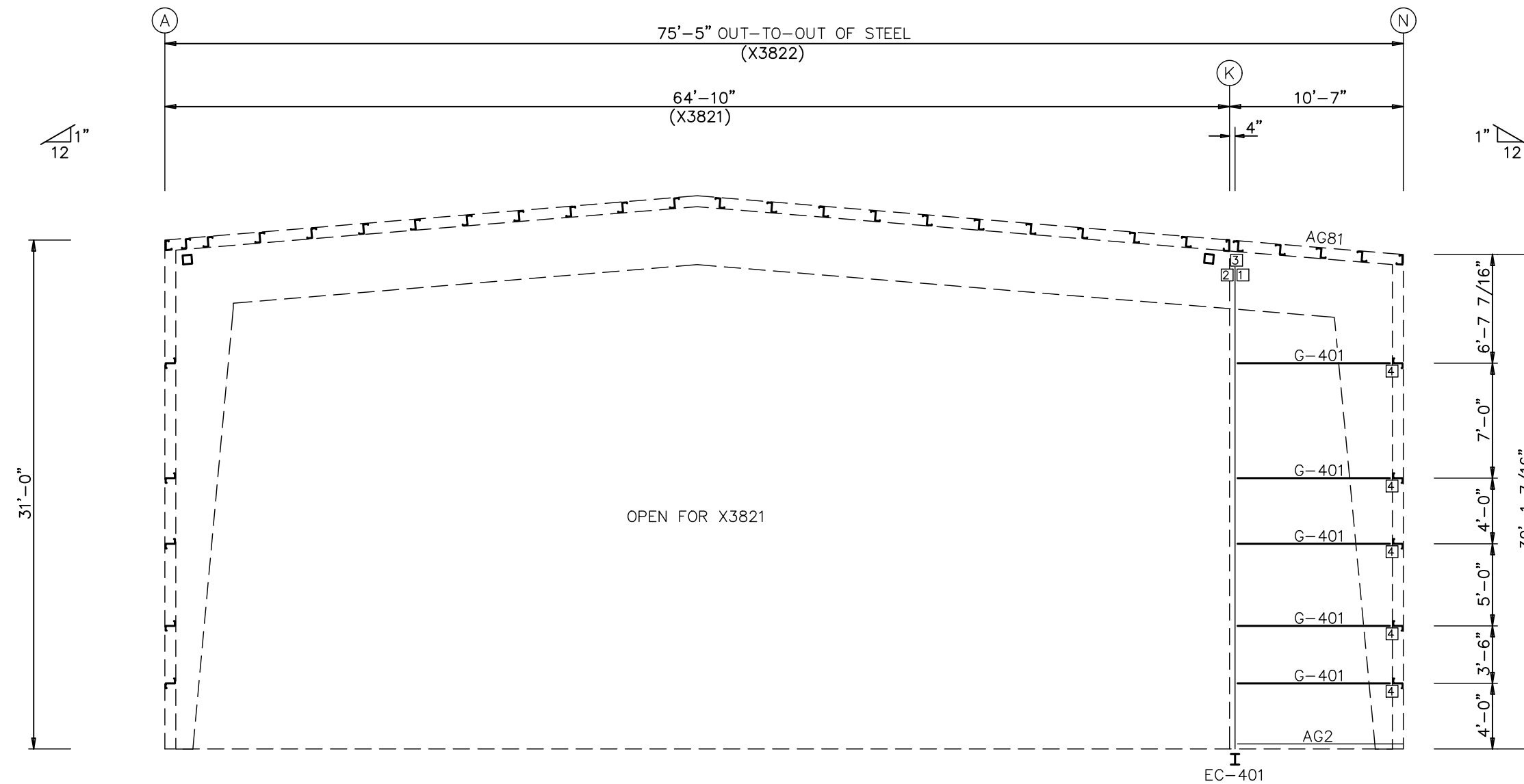
NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

BOLT TABLE			
FRAME LINE 20			
LOCATION	QUAN	TYPE	DIA. LENGTH
Columns/Rof	10	A-325	1/2" 1 1/2"

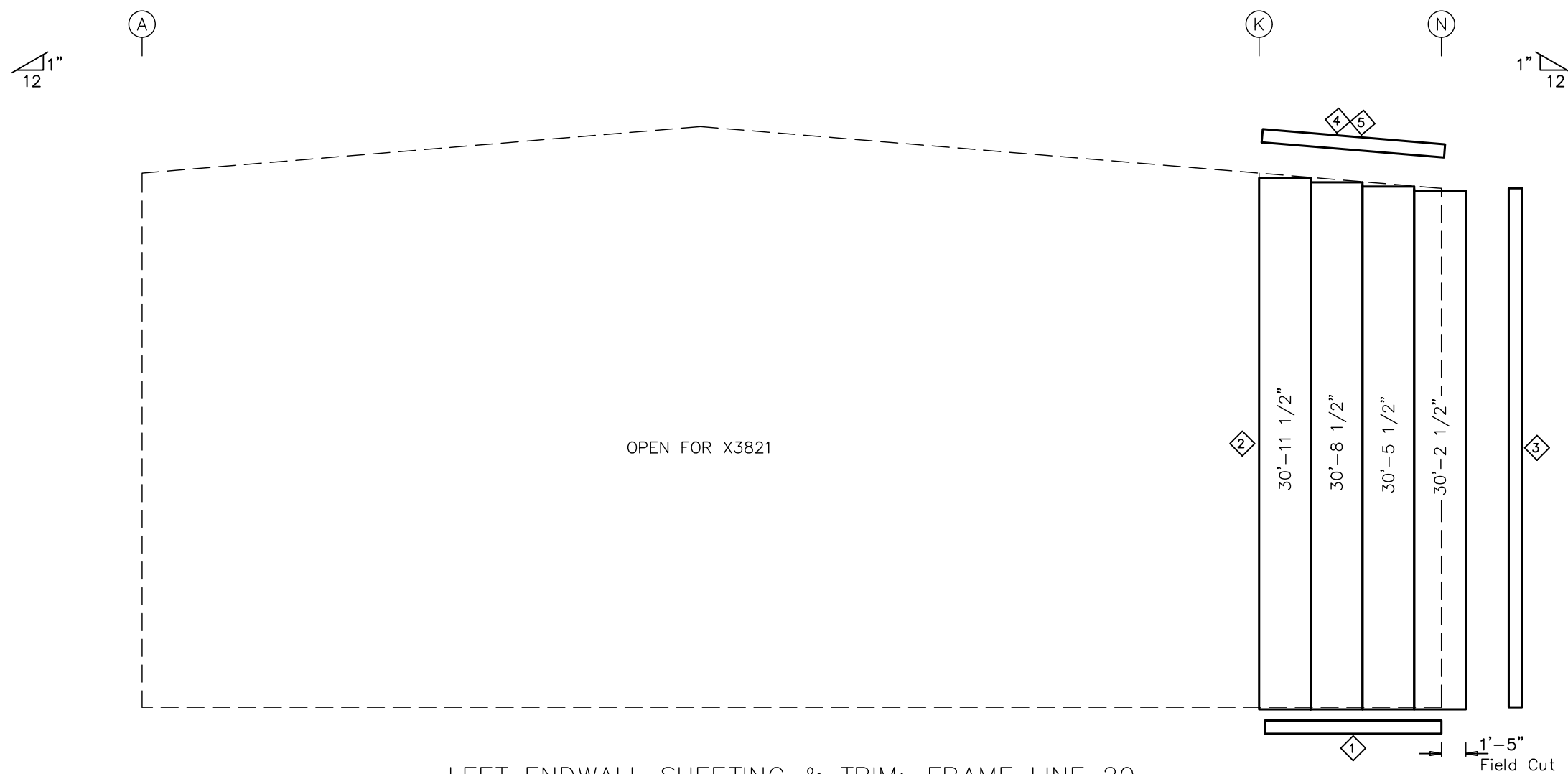
MEMBER TABLE		
FRAME LINE 20		
MARK	PART	LENGTH
EC-401	WT0X22	29'-3 3/4"
G-401	8Z16	9'-2 1/4"

CONNECTION PLATES	
FRAME LINE 20	
ID	MARK/PART
1	CP130
2	CP131
3	CP144
4	MP234

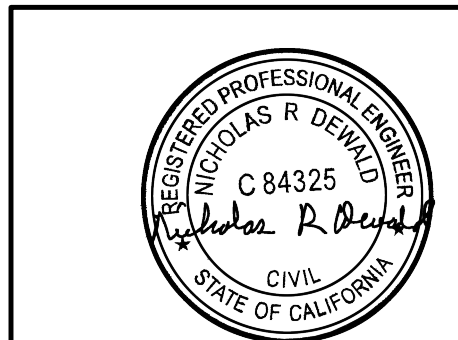
TRIM TABLE	
FRAME LINE 20	
ID	PART
1	TW11-20
2	TW55-16
3	TW1-16
4	TR1-20
5	TE31



LEFT ENDWALL FRAMING: FRAME LINE 20  
(X3822)



LEFT ENDWALL SHEETING & TRIM: FRAME LINE 20  
(X3822)  
PANELS: 26 Ga. A1 -



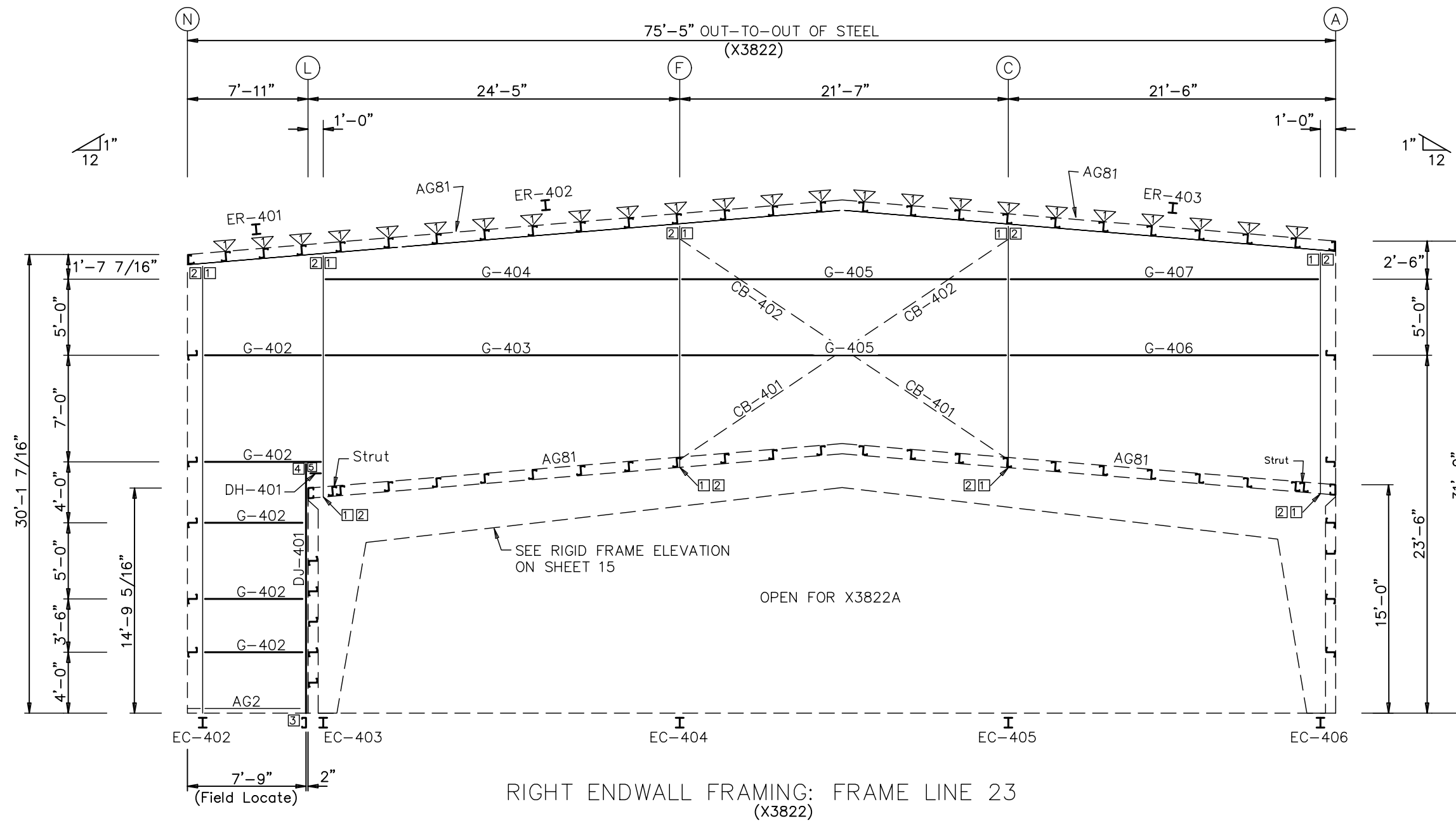
LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE			
DRAWN BY	L. MOORE	DATE	12/19/22
CHECKED BY	C. BENDA	DATE	12/19/22
APPROVED BY	NRD	DATE	12/20/22
REVIEWED BY		DATE	

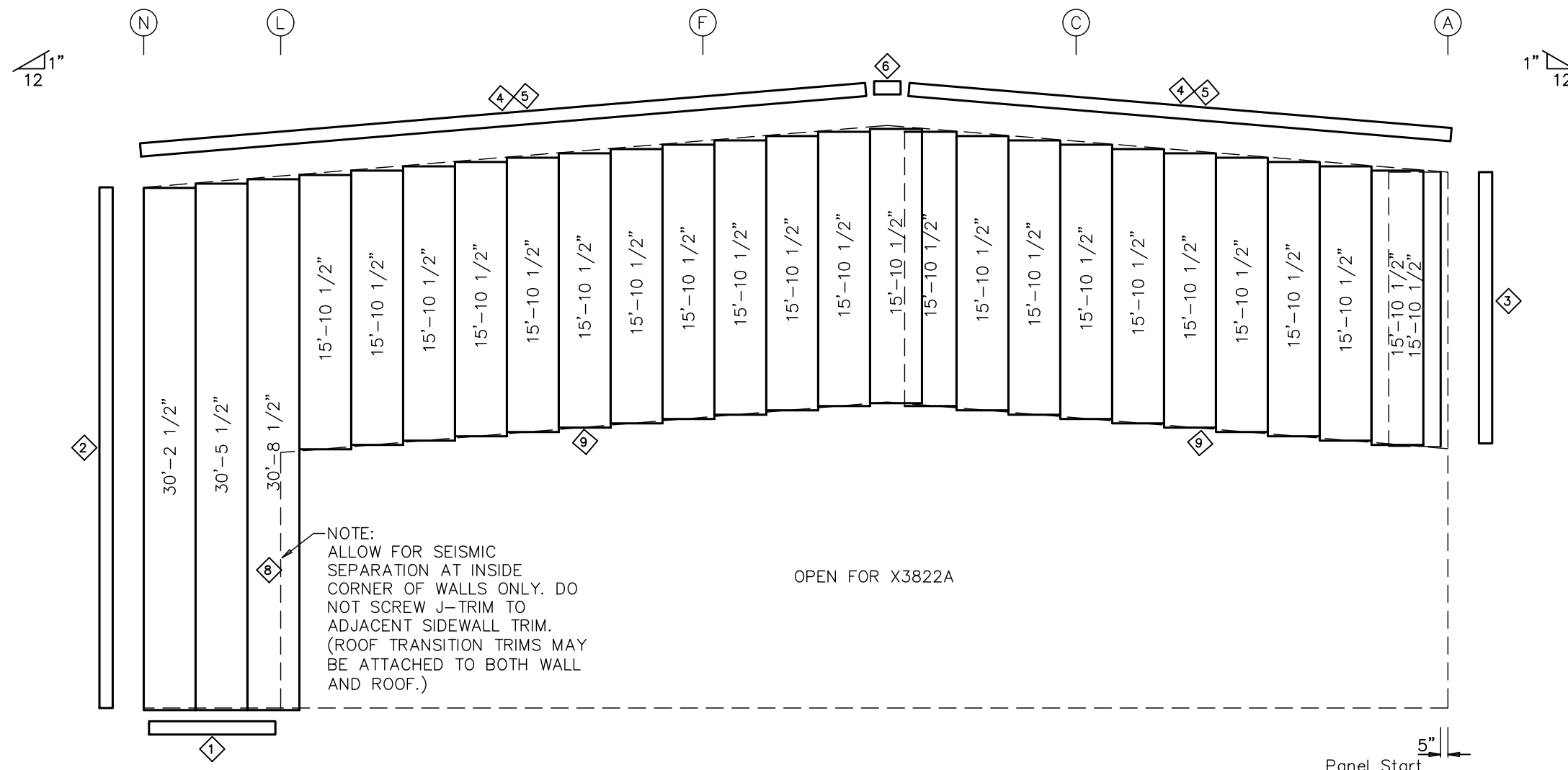
CHUCK MINYARD - DISTRIBUTION  
ADELANTO CA 92301  
ENDWALL FRAMING

EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.  
JOB NO. X3820/21/22  
SHT. 28 OF 55

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.



RIGHT ENDWALL FRAMING: FRAME LINE 23 (X3822)



RIGHT ENDWALL SHEETING & TRIM: FRAME LINE 23 (X3822)  
PANELS: 26 Ga. A1 -

ERECTION NOTES:

-FIELD CUTTING OF WALL PANELS REQ'D AT ROOF TRANSITION.

-TO PREVENT MOISTURE FROM MELTING SNOW ENTERING THE BUILDING THROUGH THE VERTICAL WALL PANEL SIDELAPS, WEATHERPROOF EACH SIDELAP TO A HEIGHT OF 3 FT. ABOVE THE LOWER ROOF SURFACE BY PLACING 3/16" X 7/8" TAPE MASTIC (3209120) AT THE SIDELAP AND SECURE WITH 1/4" X 3/4" SELF-DRILLING SCREW (3228100) AT 6" CTRS.

BOLT TABLE				
FRAME LINE 23				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-401/ER-402	8	A325	5/8"	2 1/4"
ER-402/ER-403	8	A325	5/8"	2 1/4"
Columns/Raf	8	A325	1/2"	1 1/2"

MEMBER TABLE		
FRAME LINE 23		
MARK	PART	LENGTH
EC-402	W8X10	28'-6 1/2"
EC-403	W8X10	15'-0"
EC-404	W8X10	15'-0 1/16"
EC-405	W8X10	14'-11 13/16"
EC-406	W8X10	15'-0 3/8"
ER-401	W10X12	14'-0 5/8"
ER-402	W10X12	29'-1 3/4"
ER-403	W10X12	32'-6 15/16"
DJ-401	8C16	16'-1 5/8"
DH-401	8C16	9 3/8"
G-402	8Z16	7'-2 1/2"
G-403	8Z13	22'-8 1/2"
G-404	8Z14	22'-8 1/2"
G-405	8Z14	20'-10 1/2"
G-406	8Z13	19'-9 1/2"
G-407	8Z15	19'-9 1/2"
CB-401	WR6	20'-0"
CB-402	WR6	6'-2"

FLANGE BRACE TABLE		
FRAME LINE 23		
VID MARK	LENGTH	
1	FB180A	1'-6"

CONNECTION PLATES		
FRAME LINE 23		
VID MARK	PART	
1	CP131	
2	CP130	
3	CP146	
4	CP149	
5	CP148	
6	c402	

TRIM TABLE		
FRAME LINE 23		
VID MARK	PART	
1	TW11-20	
2	TW1-16	
3	776...	
4	TE31	
5	TR1-20	
6	TR3	
8	TM33-16	
9	TDS6...056-056A	
10	TW13	



REVISIONS										SCALE : NONE		DRAWN BY L. MOORE DATE 12/19/22		CHUCK MINYARD - DISTRIBUTION		EMPIRE STEEL BUILDINGS	
REVISIONS										CHECKED BY C. BENDA DATE 12/19/22		ADELANTO CA 92301		SAN DIEGO, CA.		JOB NO. X3820/21/22	
REVISIONS										APPROVED BY NRD DATE 12/20/22		ENDWALL FRAMING		SHT. OF 29 55			

NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

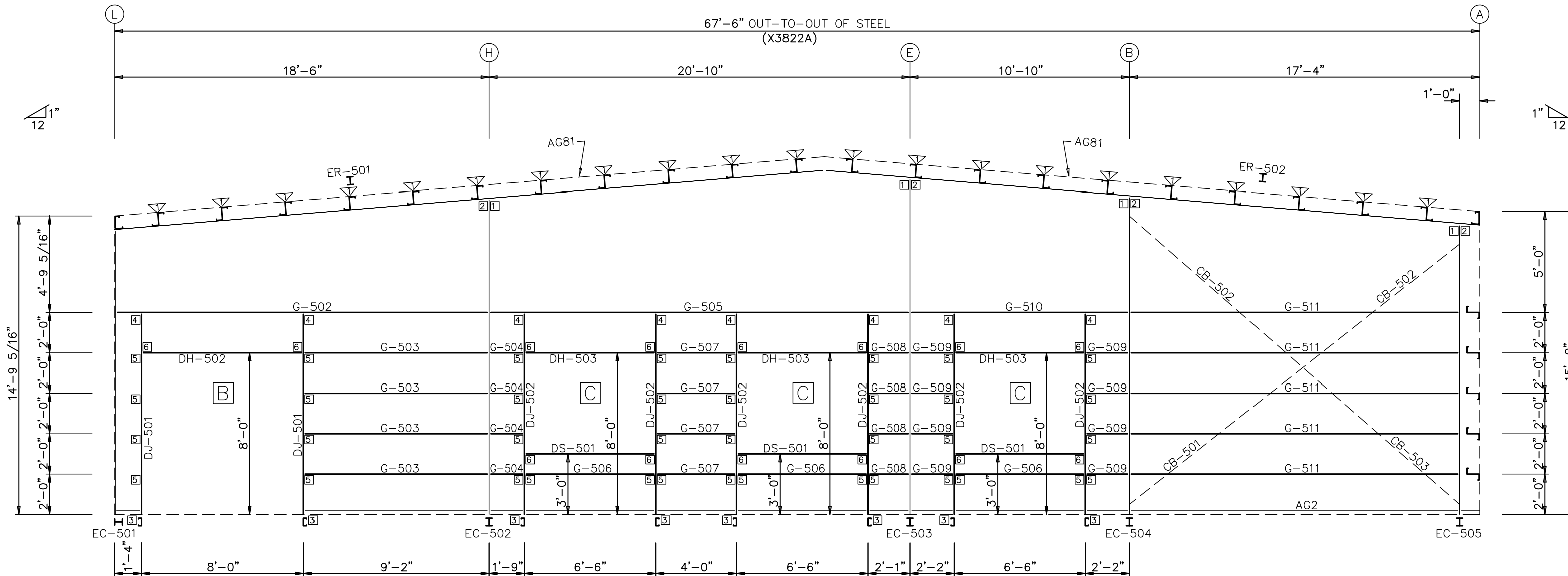
BOLT TABLE				
FRAME LINE 26				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-501/ER-502	8	A325	5/8"	2 1/4"
EC-501/ER-501	4	A325	1/2"	1 1/2"
Int_Column/Raf	8	A325	1/2"	1 1/2"
EC-505/ER-502	8	A325	1/2"	1 1/2"

MEMBER TABLE		
FRAME LINE 26		
MARK	PART	LENGTH
EC-501	W8X10	13'-4 1/16"
EC-502	W8X10	14'-7 7/8"
EC-503	W8X10	15'-8 1/4"
EC-504	W8X10	14'-9 3/8"
EC-505	W8X10	13'-5 1/16"
ER-501	W10X12	35'-3"
ER-502	W10X12	32'-6 15/16"
DJ-501	8C16	9'-7 5/8"
DJ-502	8C16	9'-7 5/8"
DH-502	8C16	7'-11 3/4"
DH-503	8C16	6'-5 3/4"
DS-501	8C16	6'-5 3/4"
G-502	8Z15	17'-5 3/8"
G-503	8Z16	8'-5 1/2"
G-504	8Z16	1'-0 1/2"
G-505	8Z12	20'-1 1/2"
G-506	8Z16	5'-9 1/2"
G-507	8Z16	3'-3 1/2"
G-508	8Z16	1'-4 1/2"
G-509	8Z16	1'-5 1/2"
G-510	8Z16	10'-1 1/2"
G-511	8Z16	15'-7 1/2"
CB-501	WR5	3'-0"
CB-502	WR5	19'-0"
CB-503	WR5	19'-0"

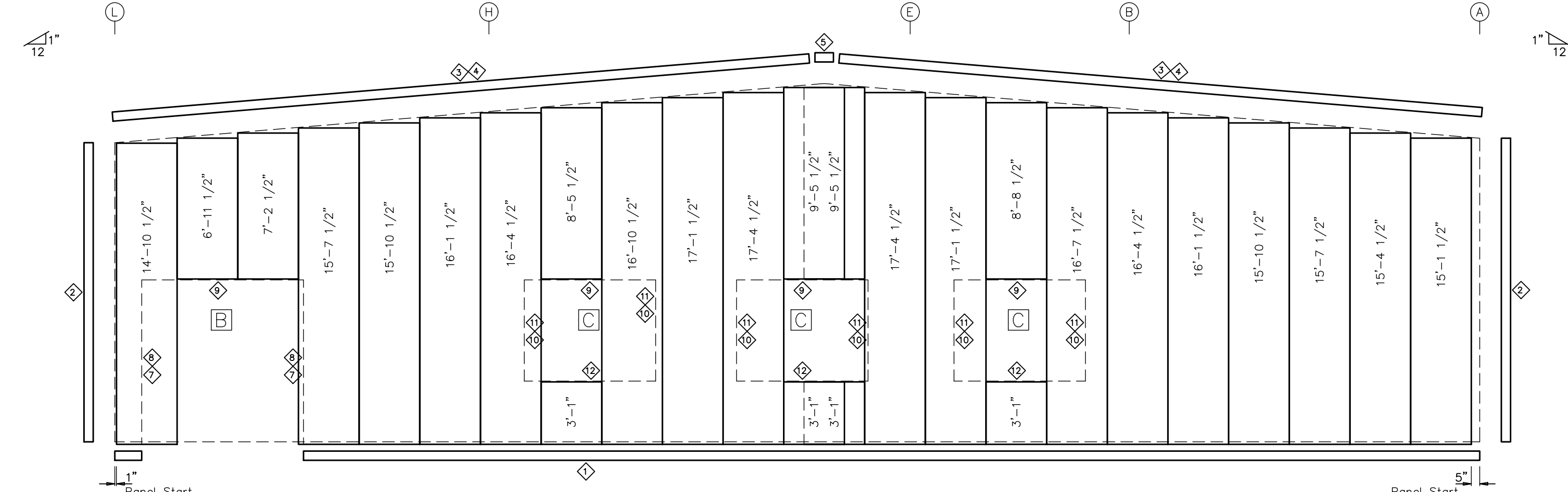
FLANGE BRACE TABLE	
FRAME LINE 26	
VID MARK	LENGTH
11 FB180A	11'-6"

CONNECTION PLATES	
FRAME LINE 26	
ID MARK/PART	
1	CP131
2	CP130
3	CP146
4	CP149
5	CP96
6	CP148

TRIM TABLE	
FRAME LINE 26	
ID PART	
1	TW11-20
2	TW46-16
3	TE31
4	TR54-20
5	TR55
7	TW24-12
8	TW23-12
9	TW21-12
10	TW16
11	TW15
12	TW58-12



RIGHT ENDWALL FRAMING: FRAME LINE 26  
(X3822A)



RIGHT ENDWALL SHEETING & TRIM: FRAME LINE 26  
(X3822A)

PANELS: 26 Co. A1 -



FLA - DENOTES FIELD LOCATED ACCESSORY  
(SEE ACCESSORY SHEET)

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE			
DRAWN BY	L. MOORE	DATE	12/19/22
CHECKED BY	C. BENDA	DATE	12/19/22
APPROVED BY	NRD	DATE	12/20/22
REVIEWED BY		DATE	

CHUCK MINYARD - DISTRIBUTION  
ADELANTO CA 92301

ENDWALL FRAMING

EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

JOB NO. X3820/21/22

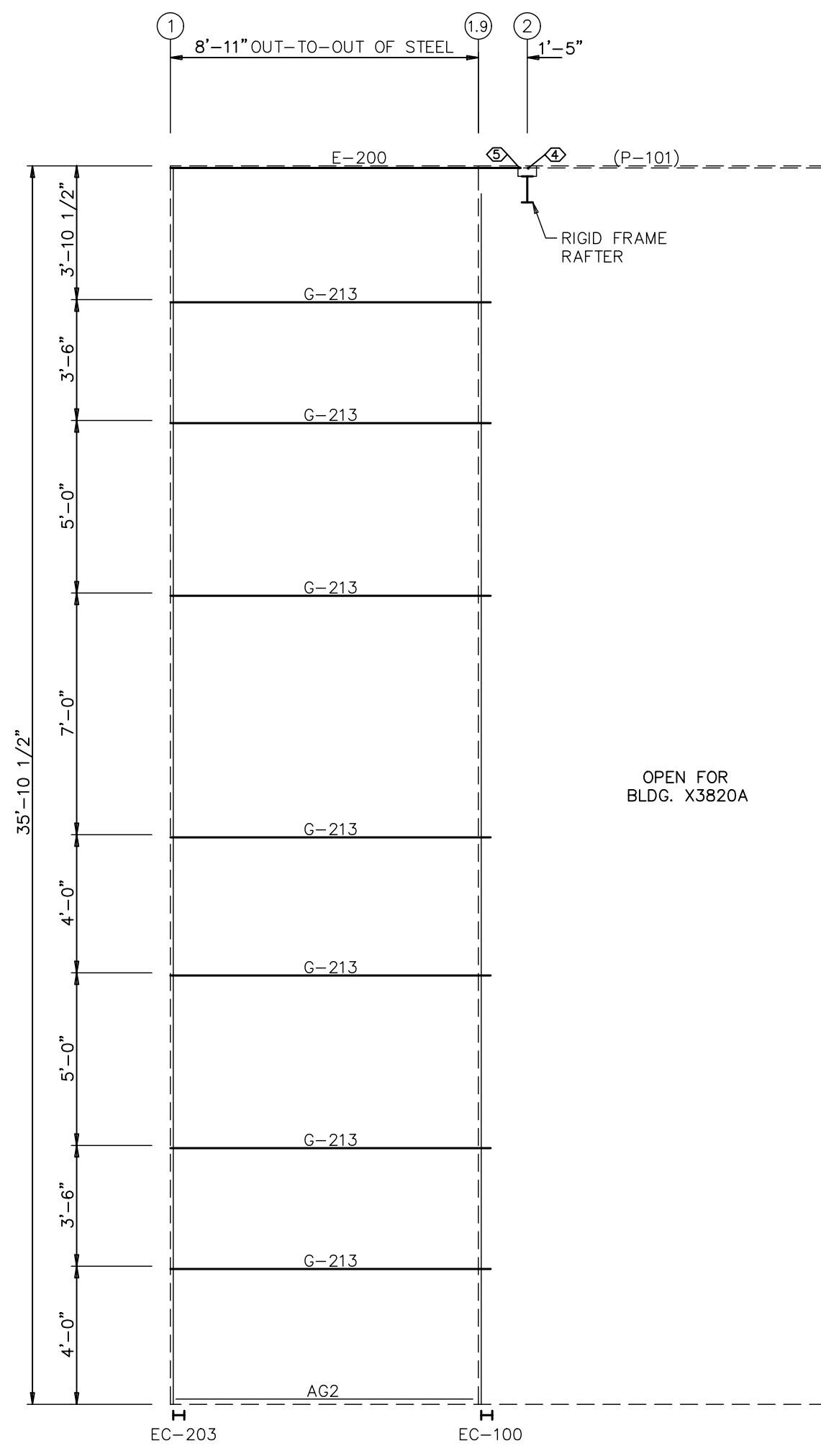
SHT. OF 30 55

NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

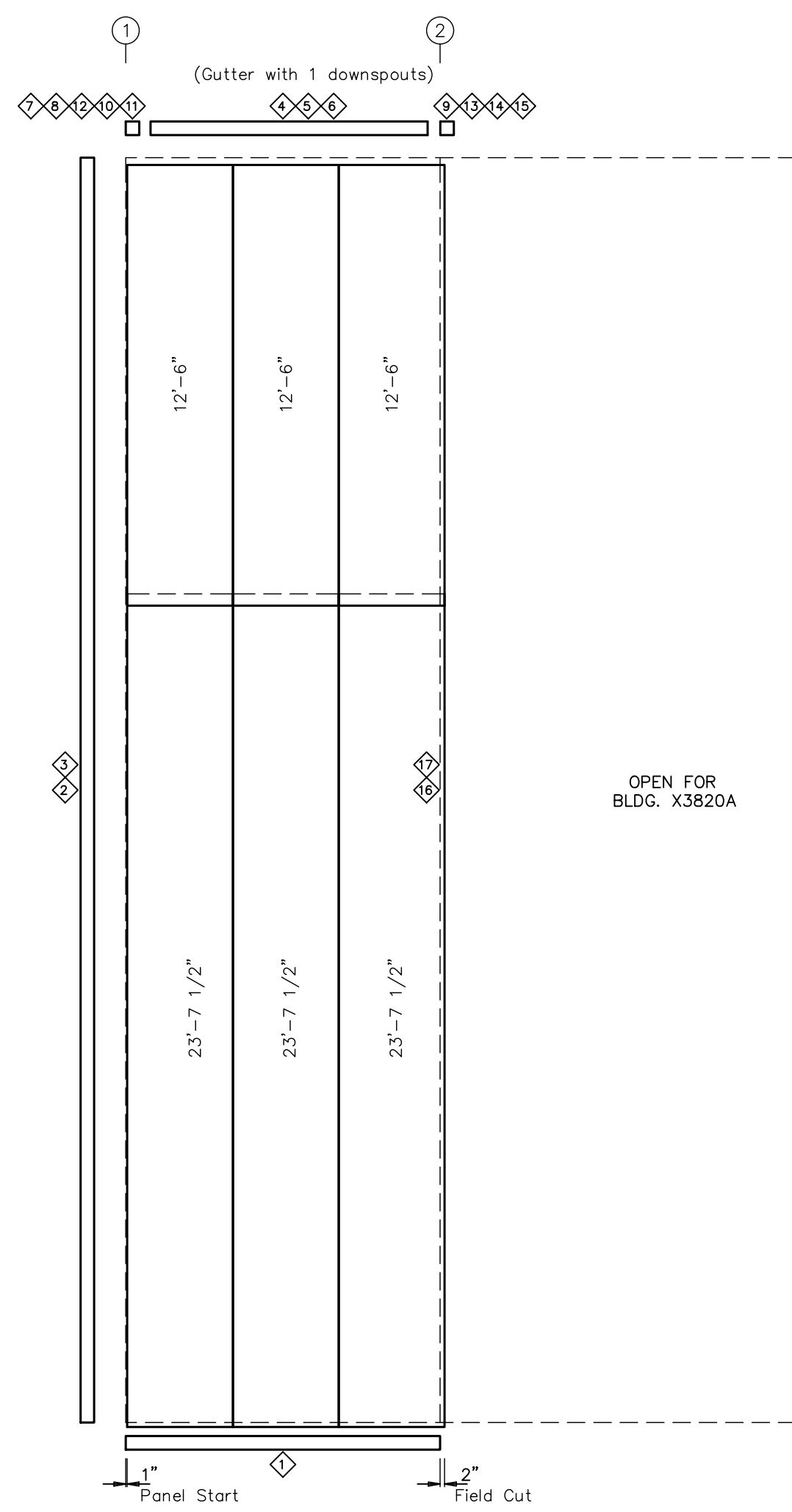
SPECIAL BOLTS & WASHERS					
Q ID	QUAN	TYPE	DIA	LENGTH	W/BT
4	4	A325	1/2"	1 1/2"	2
5	2	A325	1/2"	1 1/2"	0

MEMBER TABLE		
MARK	PART	LENGTH
E-200	8E14	10'-1 3/4"
G-213	8716	8'-10 3/4"

TRIM TABLE	
Q ID	PART
1	TW11-20
2	TW45-16
3	TW45-20
4	TE25-20
5	TE31
6	TE22-20
7	TE13
8	TE81
9	TE67
10	TE72
11	TE27
12	TE15-1
13	TE73
14	TE14
15	TBV6...
16	TF6...035-035A
17	TF6...035-035B



FRONT SIDEWALL FRAMING: FRAME LINE P  
(X3820B)



FRONT SIDEWALL SHEETING & TRIM: FRAME LINE P  
(X3820B)  
PANELS: 26 Ga. A1 -



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	SCALE	DATE	CHUCK MINYARD - DISTRIBUTION	EMPIRE STEEL BUILDINGS
																				NONE	12/19/22	ADELANTO CA 92301	SAN DIEGO, CA.

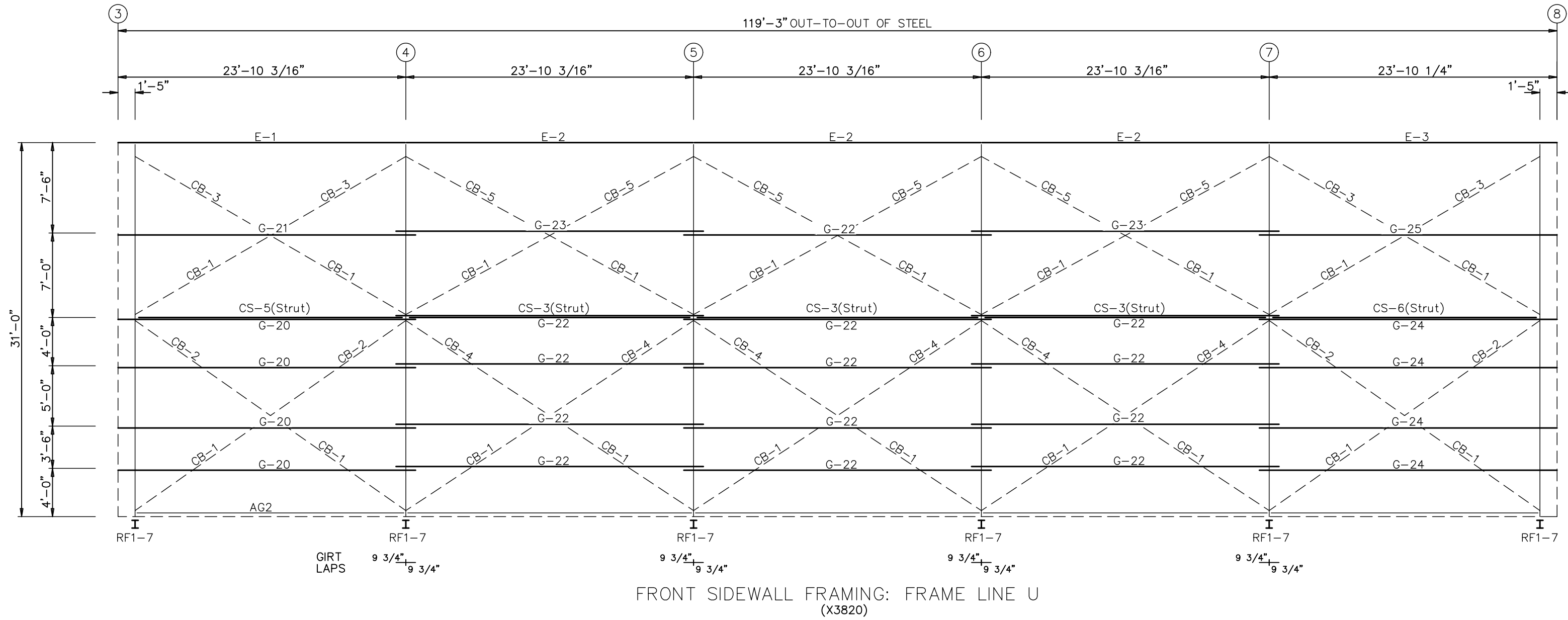


NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

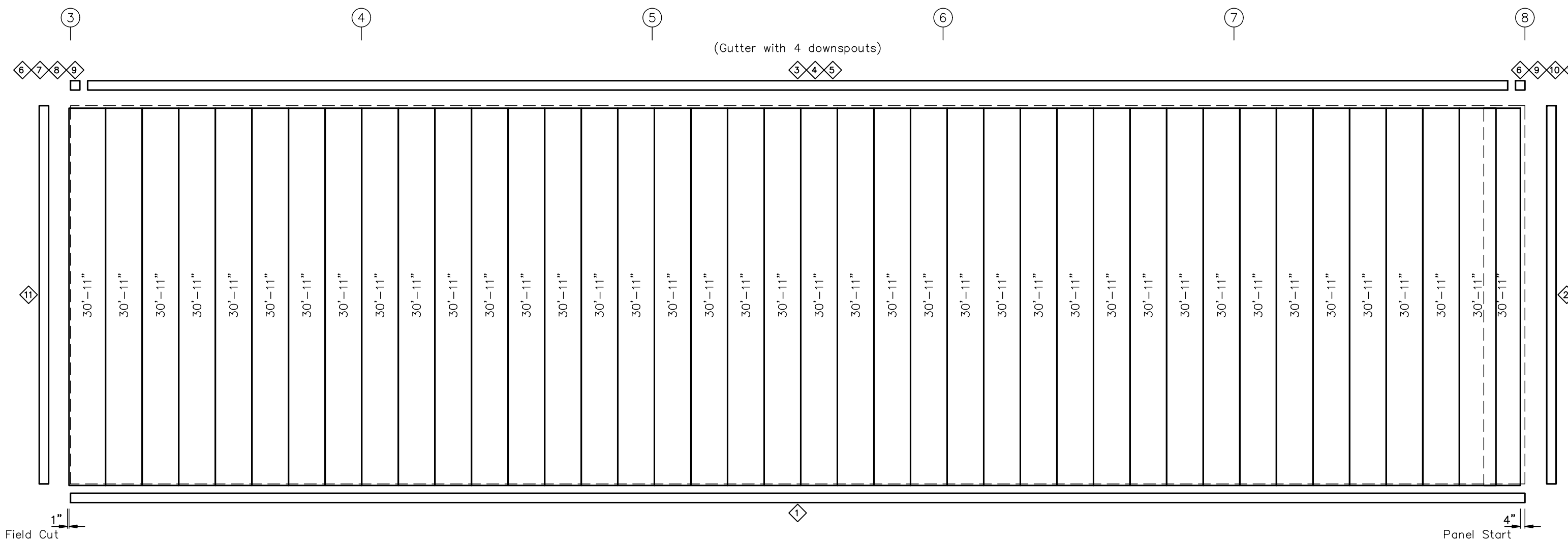
BOLT TABLE			
FRAME LINE U			
LOCATION	QUAN	TYPE	DIA. LENGTH
Strut	4	A325	1/2" 2"

MEMBER TABLE		
FRAME LINE U		
MARK	PART	LENGTH
E-1	8E14	23'-9 15/16"
E-2	8E14	23'-9 15/16"
E-3	8E14	23'-10"
G-1	T5X3/16	23'-9 15/16"
G-2	T5X3/16	22'-5 1/8"
G-3	T5X3/16	22'-5 1/8"
G-4	T5X3/16	22'-5 1/8"
G-5	T5X3/16	22'-5 1/8"
G-6	T5X3/16	22'-5 1/8"
G-7	8Z16	24'-7 13/16"
G-8	8Z14	24'-7 13/16"
G-9	8Z16	25'-5 11/16"
G-10	8Z15	25'-5 11/16"
G-11	8Z16	24'-7 7/8"
G-12	8Z16	24'-7 7/8"
G-13	8Z14	24'-7 7/8"
G-14	WRO	20'-0"
G-15	WRO	7'-11"
G-16	WRO	6'-5"
G-17	WRO	9'-1"
G-18	WRO	7'-8"

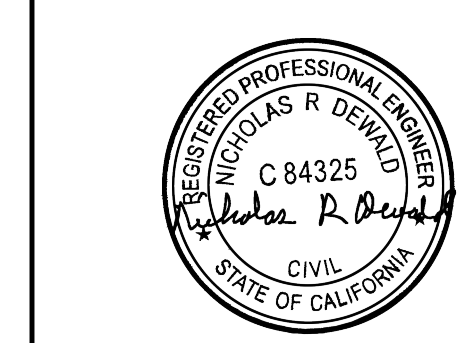
TRIM TABLE	
FRAME LINE U	
ID	PART
1	TW11-20
2	TW46-16
3	TE25-20
4	TE31
5	TE22-20
6	TE13
7	TE15-1
8	TE72
9	TE27
10	TE73
11	TW1-16
12	TE67



FRONT SIDEWALL FRAMING: FRAME LINE U  
(X3820)



FRONT SIDEWALL SHEETING & TRIM: FRAME LINE U  
(X3820)  
PANELS: 26 Ga. A1 -



REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	SCALE : NONE	DRAWN BY L. MOORE DATE 12/19/22	CHECKED BY C. BENDA DATE 12/19/22	APPROVED BY NRD DATE 12/20/22	REVIEWED BY	DATE	CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301	EMPIRE STEEL BUILDINGS SAN DIEGO, CA.	JOB NO. X3820/21/22	SHT. OF 33 55
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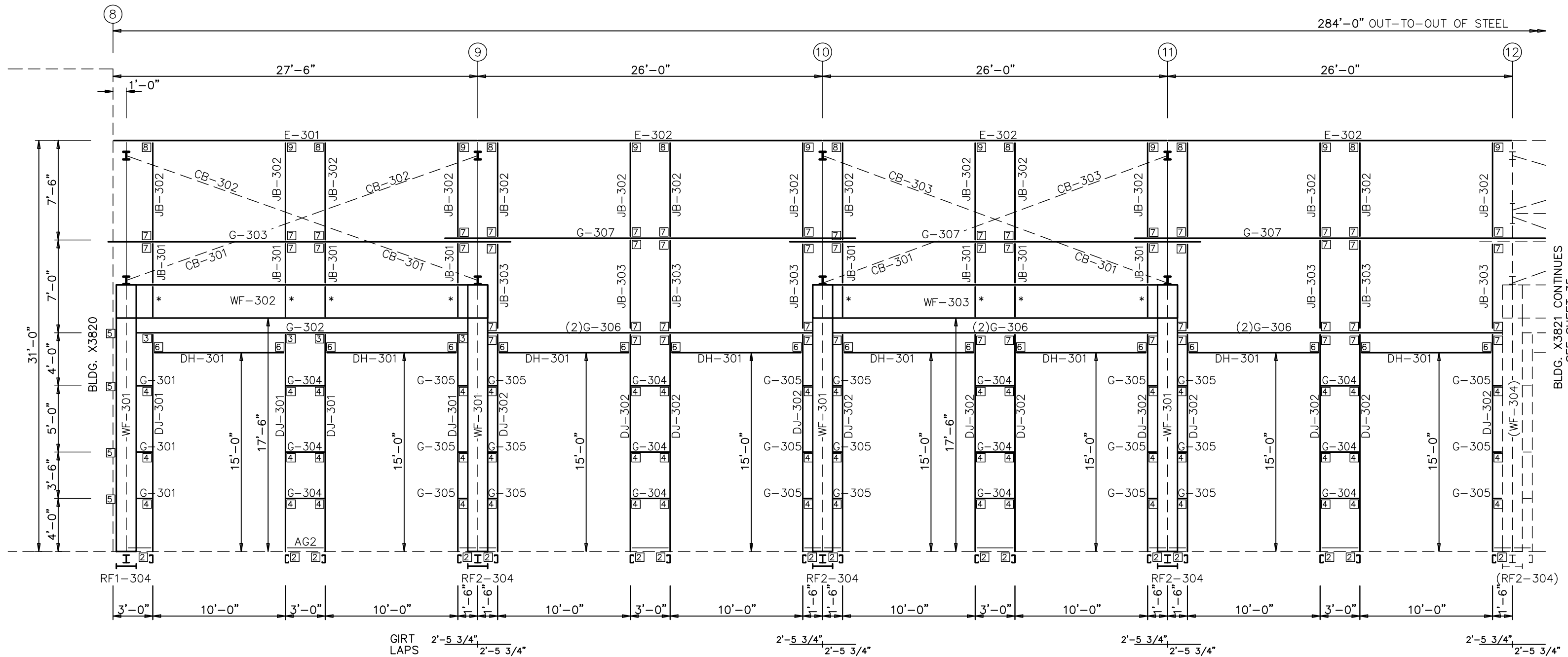
NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

BOLT TABLE				
FRAME LINE K				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-301/WF-302	8	A325	1"	3"
WF-301/WF-303	8	A325	1"	3"
WF-301/RF Column	8	A325	1 1/2"	1 1/2"
	& 4	A325	3/4"	2 1/2"

MEMBER TABLE		
MARK	PART	LENGTH
WF-301	B1881025	20'-0"
WF-302	B3080825	25'-0"
WF-303	B3080825	24'-6"
DJ-301	8C16	16'-5 3/8"
DJ-302	8C16	16'-1 5/8"
DH-301	8C16	9'-11 3/4"
F-301	8E12	26'-11 3/4"
F-302	8E12	25'-11 3/4"
G-301	8Z16	10 1/4"
G-302	C8X13.75	24'-11"
G-303	8Z13	30'-1 1/2"
G-304	8Z16	2'-3 1/2"
G-305	8Z16	4 1/4"
G-306	8Z12	24'-5"
G-307	8Z16	30'-11 1/2"
JB-301	8C16	3'-1 1/4"
JB-302	8C16	6'-4 1/4"
JB-303	8C16	6'-3 1/2"
CB-301	WRO	20'-0"
CB-302	WRO	8'-9"
CB-303	WRO	8'-3"

CONNECTION PLATES	
ID	MARK/PART
2	CP146
3	CP42
4	CP96
5	CP57
6	CP148
7	CP149
8	CP278
9	CP279

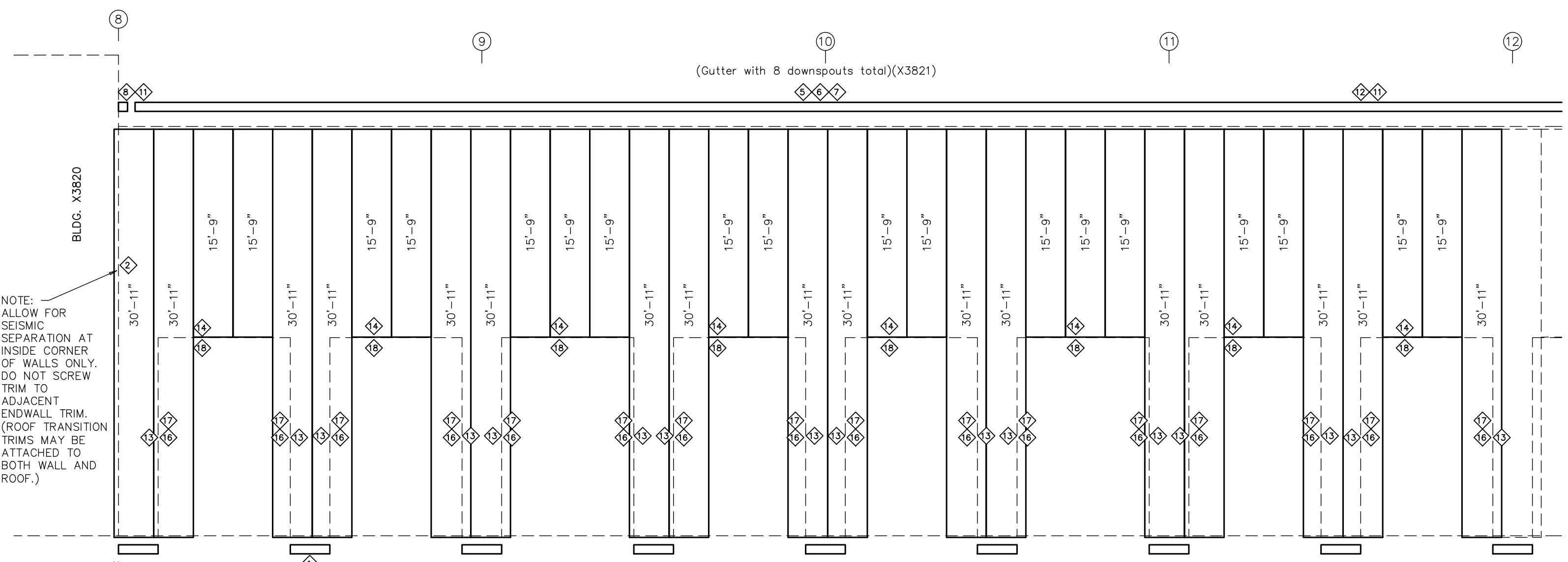
TRIM TABLE	
ID	PART
1	TW11-20
2	776...
5	TE25-20
6	TE31
7	TE22-20
8	TBV6...
11	TE72
12	TE73
13	TW18-16
14	TW18-12
16	TW24-16
17	TW23-16
18	TW21-12



\* - INDICATES SG6GX038-030  
(FIELD CUT FROM 18'-10" BLANK)

FRONT SIDEWALL FRAMING: FRAME LINE K  
(X3821)

NOTE: (2)=NESTED GIRTS



NOTE: ALLOW FOR SEISMIC SEPARATION AT INSIDE CORNER OF WALLS ONLY. DO NOT SCREW TRIM TO ADJACENT ENDWALL TRIM. (ROOF TRANSITION TRIMS MAY BE ATTACHED TO BOTH WALL AND ROOF.)

FRONT SIDEWALL SHEETING & TRIM: FRAME LINE K  
(X3821)

PANELS: 26 Ga. A1 -

BLDG. X3821 CONTINUES  
SEE SHEET 35



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE  
DRAWN BY: L. MOORE DATE 12/19/22  
CHECKED BY: C. BENDA DATE 12/19/22  
APPROVED BY: NRD DATE 12-21-22

CHUCK MINYARD - DISTRIBUTION  
ADELANTO CA 92301  
SIDEWALL FRAMING

EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.  
JOB NO. X3820/21/22 SH. OF 34 55

NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

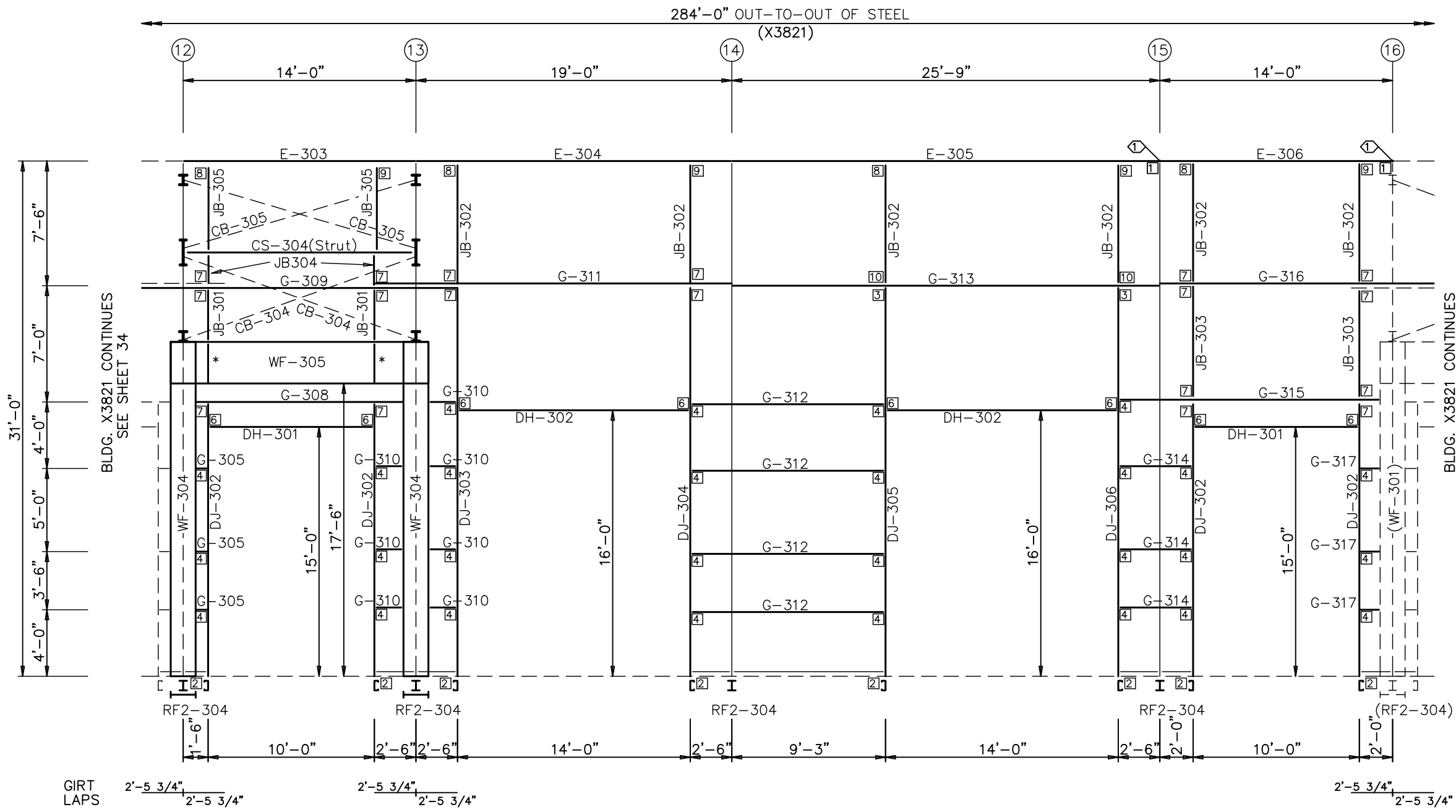
BOLT TABLE			
FRAME LINE K			
LOCATION	QUAN	TYPE	LENGTH
WF-304/WF-305	8	A325 1"	3"
WF-304/RF Column	8	A325 1/2"	1 1/2"
	& 4	A325 3/4"	2 1/2"
Strut/Racing Bracket	4	A325 1/2"	2"

SPECIAL BOLTS				
ID	QUAN	TYPE	DIA	LENGTH
1	4	A325	1/2"	1 1/2"
				0

MEMBER TABLE		
FRAME LINE K		
MARK	PART	LENGTH
WF-304	B1881025	20'-0"
WF-305	B3080825	12'-6"
DJ-302	8C16	16'-1 5/8"
DJ-303	8C12	23'-1 5/8"
DJ-304	8C13	23'-1 5/8"
DJ-305	8C12	23'-5 3/8"
DJ-306	8C14	23'-5 3/8"
DH-301	8C16	9'-11 3/4"
DH-302	8C16	13'-11 3/4"
E-303	8E12	13'-11 3/4"
E-304	8E12	18'-11 3/4"
E-305	8E12	25'-8 3/4"
E-306	8E12	13'-11 3/4"
CS-304	14X3/16	13'-11 3/4"
G-305	8Z16	4 1/4"
G-306	8Z12	24'-5"
G-307	8Z16	30'-11 1/2"
G-308	8Z16	12'-5"
G-309	8Z16	18'-11 1/2"
G-310	8Z16	1'-4 1/4"
G-311	8Z16	21'-5 5/8"
G-312	8Z16	11'-0 1/2"
G-313	C8X18.75	25'-8 3/4"
G-314	8Z16	3'-9 1/2"
G-315	8Z15	15'-4 1/4"
G-316	8Z16	16'-5 5/8"
G-317	8Z16	10 1/4"
JB-302	8C16	6'-4 1/4"
JB-303	8C16	6'-3 1/2"
JB-304	8C16	1'-5"
JB-305	8C16	4'-6 1/4"
CB-304	WRO	15'-4"
CB-305	WRO	15'-2"

CONNECTION PLATES	
FRAME LINE K	
ID	MARK/PART
1	MP147
2	CP146
3	776042
4	CP96
6	CP148
7	CP149
8	CP278
9	CP279
10	776096

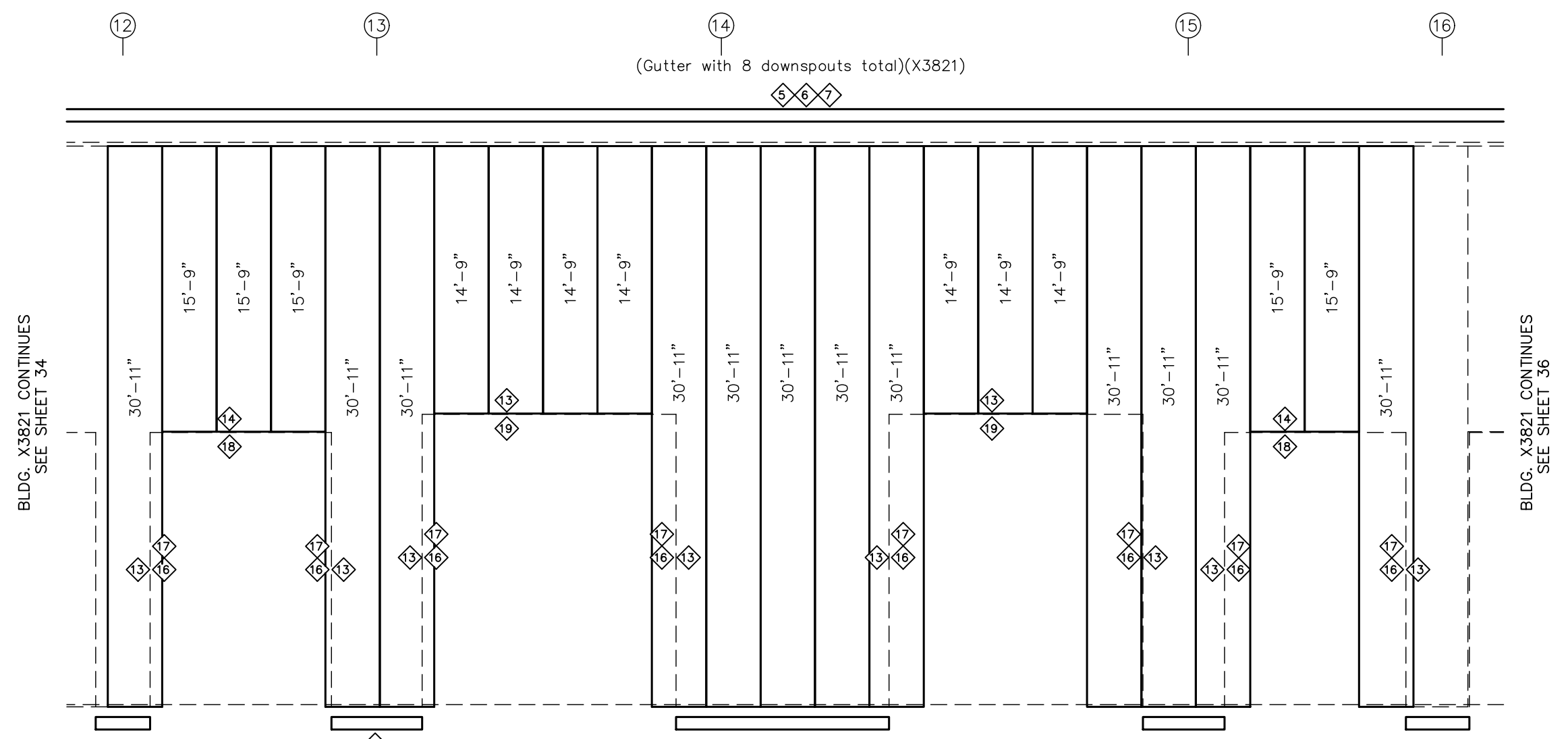
TRIM TABLE	
FRAME LINE K	
ID	PART
1	TW11-20
5	TE25-20
6	TE31
7	TE22-20
13	TW18-16
14	TW18-12
16	TW24-16
17	TW23-16
18	TW21-12
19	TW21-16



\* - INDICATES SG6GX038-030  
(FIELD CUT FROM 18'-10" BLANK)

FRONT SIDEWALL FRAMING: FRAME LINE K  
(X3821)

(Gutter with 8 downspouts total)(X3821)



FRONT SIDEWALL SHEETING & TRIM: FRAME LINE K  
(X3821)

PANELS: 26 Ga. A1 -



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	SCALE	DATE	DATE	DATE
																				NONE	12/19/22	12/19/22	12-21-22

CHUCK MINYARD - DISTRIBUTION  
ADELANTO CA 92301  
EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

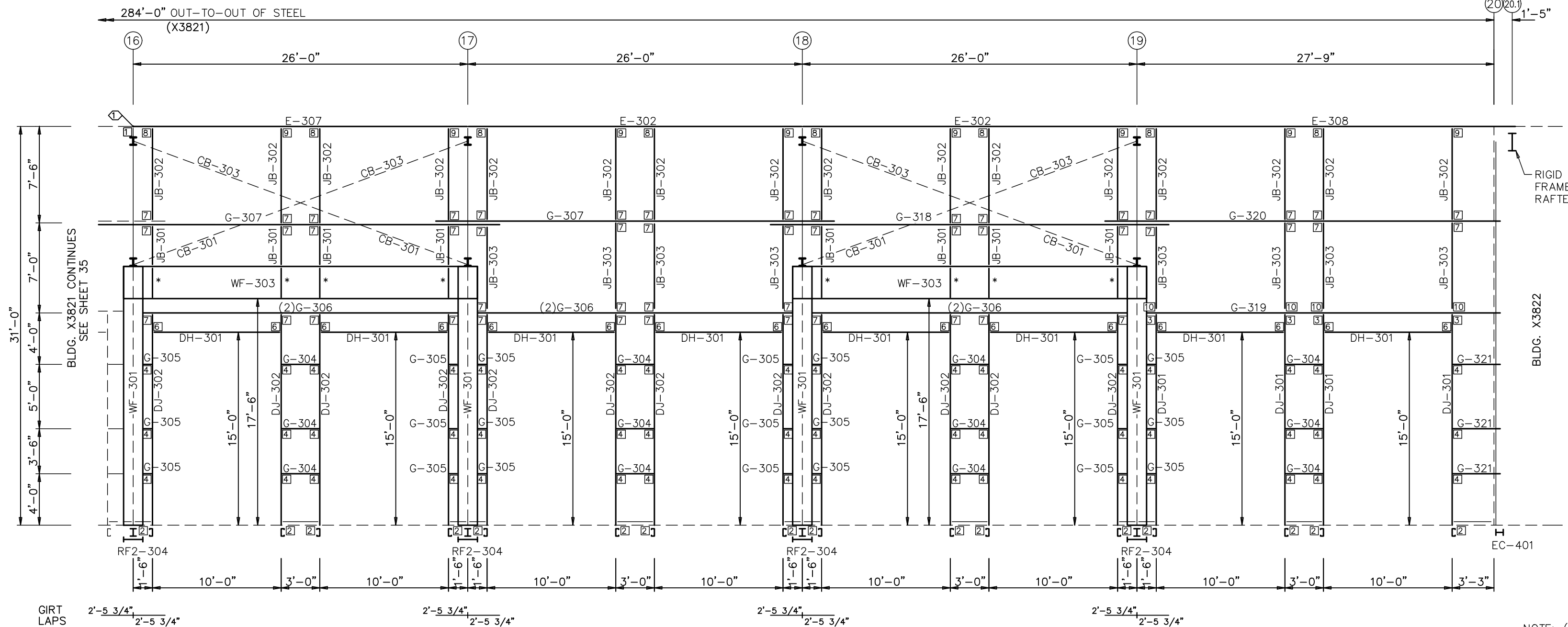
BOLT TABLE				
FRAME LINE K				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-301/WF-303	8	A325	1"	3"
WF-301/RF Column	8	A325	1/2"	1 1/2"
	& 4	A325	3/4"	2 1/2"

SPECIAL BOLTS				
Q ID	QUAN	TYPE	DIA	LENGTH WASH
1	4	A325	1/2"	1 1/2" 0

MEMBER TABLE		
FRAME LINE K		
MARK	PART	LENGTH
WF-301	B1881025	20'-0"
WF-303	B3080825	24'-6"
DJ-301	8C16	16'-5 3/8"
DJ-302	8C16	16'-1 5/8"
DH-301	8C16	9'-11 3/4"
F-302	BE12	25'-11 3/4"
F-307	BE12	25'-11 3/4"
F-308	BE12	29'-1 3/4"
G-304	8Z16	2'-3 1/2"
G-305	8Z16	4 1/4"
G-306	8Z12	24'-5"
G-307	8Z16	30'-11 1/2"
G-318	8Z16	30'-11 1/2"
G-319	CBX13.75	27'-8 1/2"
G-320	8Z12	30'-2 5/8"
G-321	8Z16	2'-10 5/8"
JB-301	8C16	3'-1 1/4"
JB-302	8C16	6'-4 1/4"
JB-303	8C16	6'-3 1/2"
CB-301	WRO	20'-0"
CB-302	WRO	8'-9"
CB-303	WRO	8'-3"
CB-304	WRO	15'-4"
CB-305	WRO	15'-2"

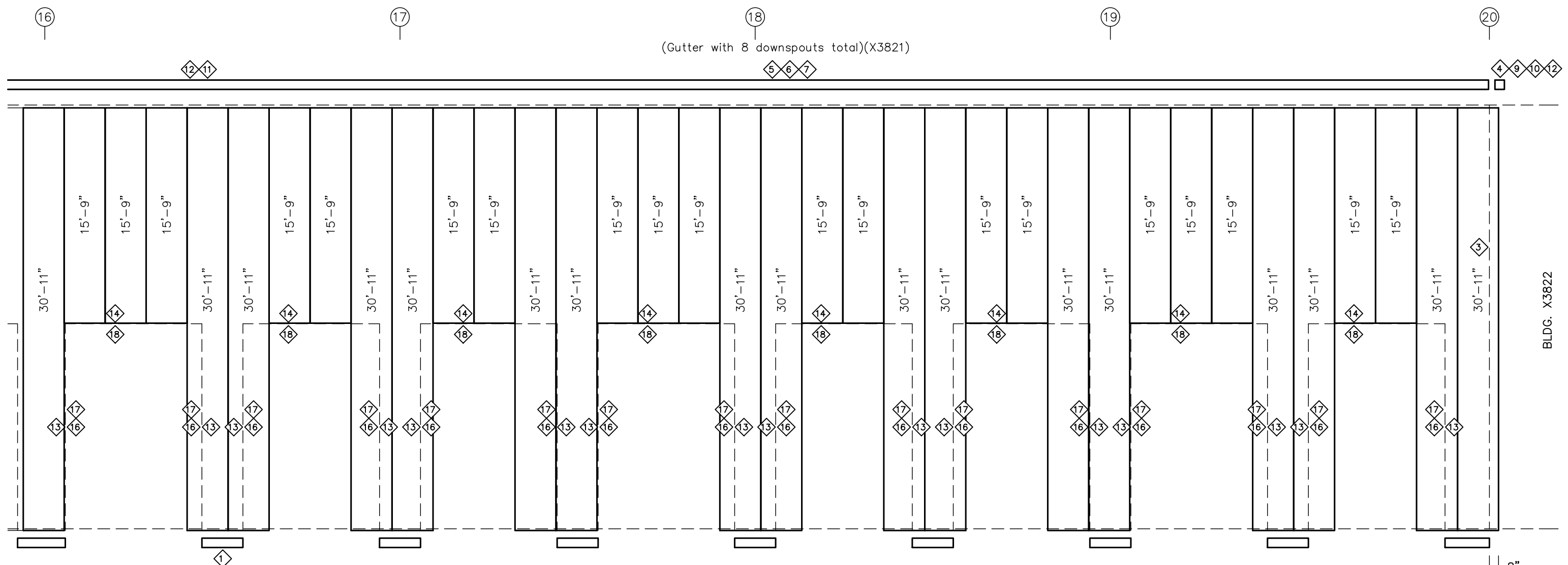
CONNECTION PLATES		
FRAME LINE K		
ID	MARK	PART
1	MP147	
2	CP146	
3	776042	
4	CP96	
6	CP148	
7	CP149	
8	CP278	
9	CP279	
10	776096	

TRIM TABLE		
FRAME LINE K		
ID	PART	
1	TW11-20	
3	TW55-16	
4	TE14	
5	TE25-20	
6	TE31	
7	TE22-20	
9	TBV6...	
10	TE15	
11	TE72	
12	TE73	
13	TW18-16	
14	TW18-12	
16	TW24-16	
17	TW23-16	
18	TW21-12	



FRONT SIDEWALL FRAMING: FRAME LINE K (X3821)

NOTE: (2)=NESTED GIRTS



FRONT SIDEWALL SHEETING & TRIM: FRAME LINE K (X3821)

PANELS: 26 Ga. A1 -



REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER

SCALE: NONE

DRAWN BY: L. MOORE DATE: 12/19/22

CHECKED BY: C. BENDA DATE: 12/19/22

APPROVED BY: NRD DATE: 12-21-22

REVIEWED BY: DATE:

CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301

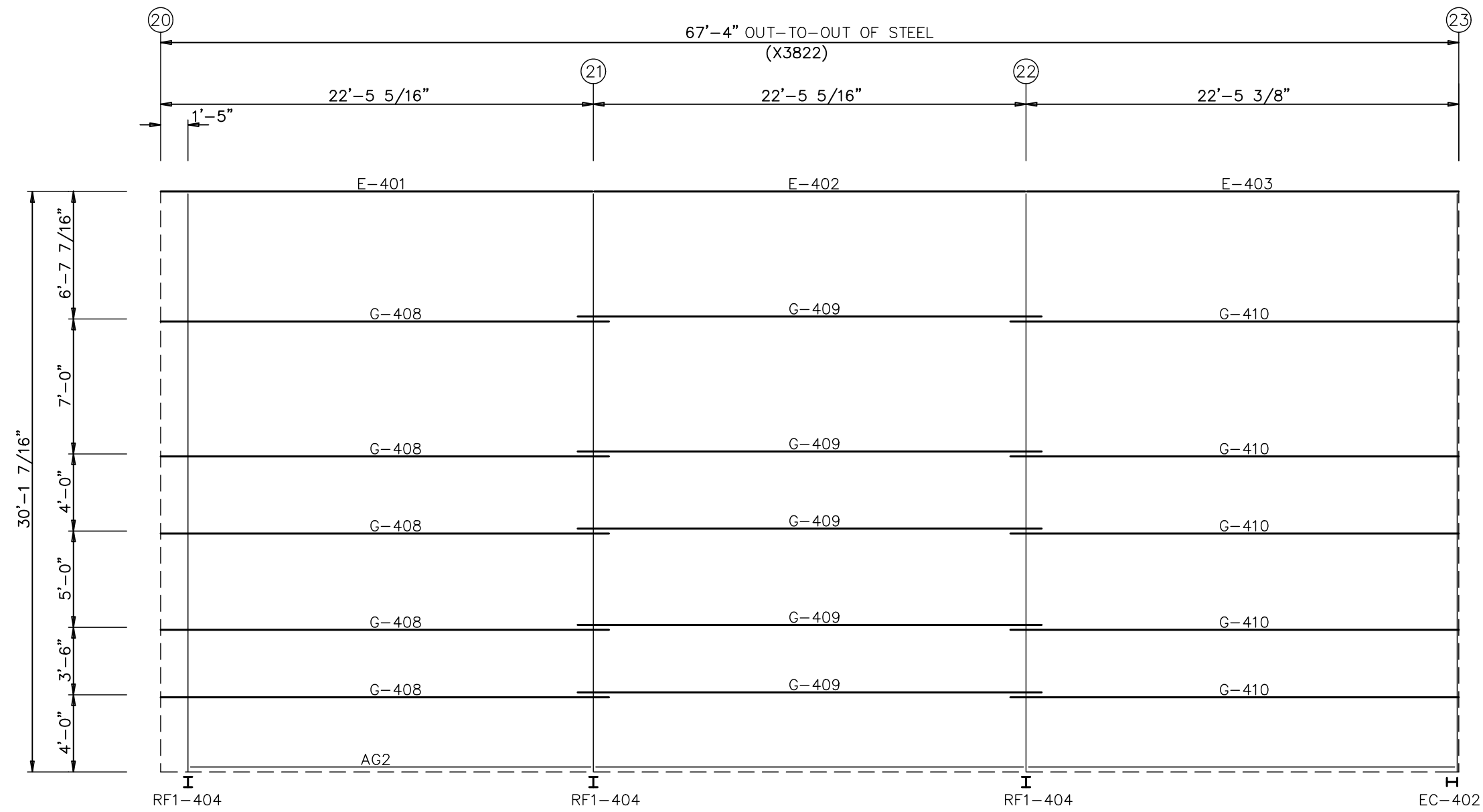
EMPIRE STEEL BUILDINGS SAN DIEGO, CA.

JOB NO. X3820/21/22 SH. OF 36 55

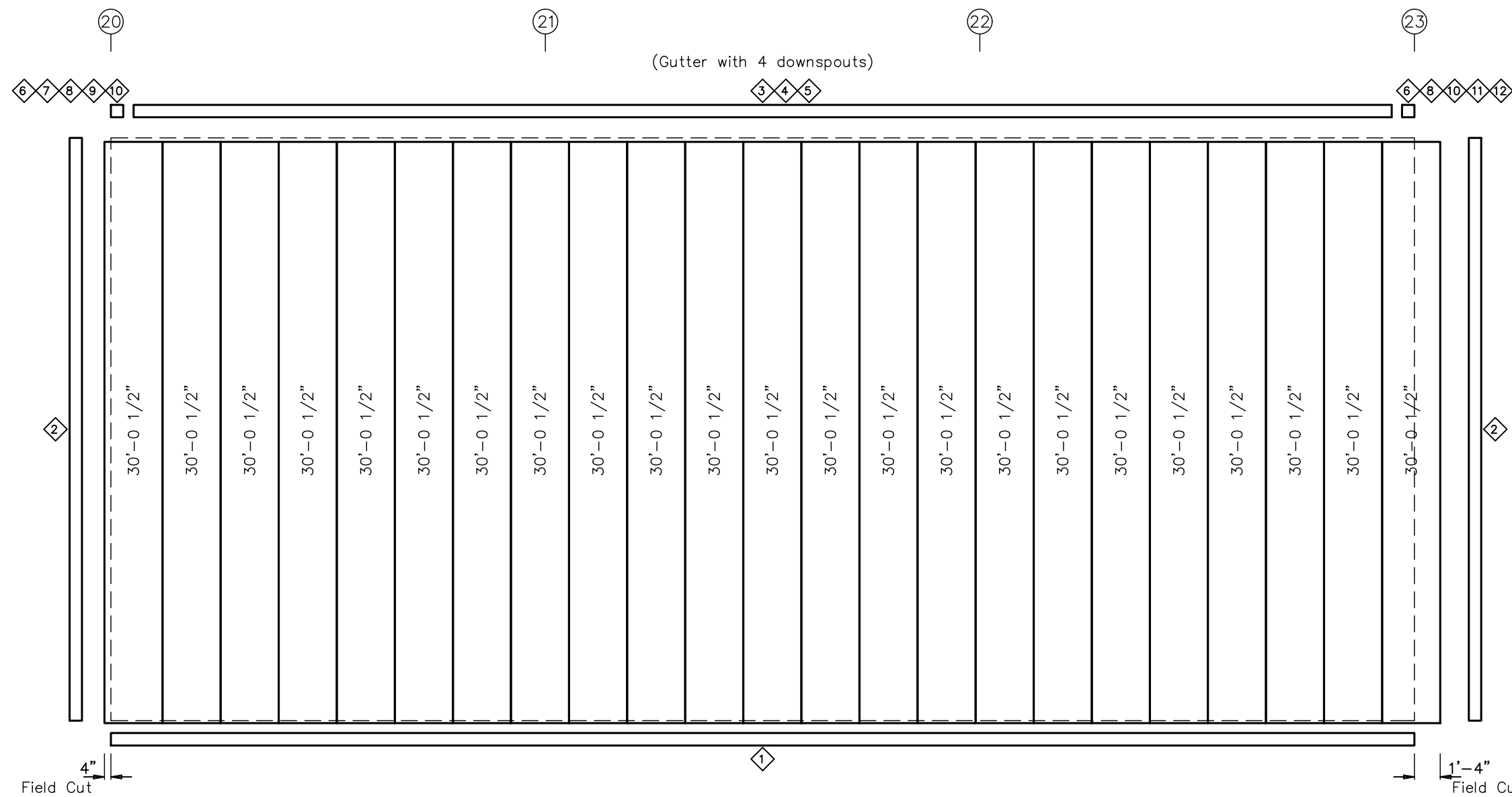
NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

MEMBER TABLE		
MARK	PART	LENGTH
E-401	8E14	22'-5 1/16"
E-402	8E14	22'-5 1/16"
E-403	8E14	22'-5 1/8"
G-408	8Z16	23'-2 15/16"
G-409	8Z16	24'-0 13/16"
G-410	8Z16	23'-3"

TRIM TABLE		
ID	PART	LENGTH
1	TW1-20	
2	TW1-16	
3	TE25-20	
4	TE31	
5	TE22-20	
6	TE13	
7	TE81	
8	TE15	
9	TE72	
10	TE27	
11	TE80	
12	TE73	



FRONT SIDEWALL FRAMING: FRAME LINE N  
(X3822)



FRONT SIDEWALL SHEETING & TRIM: FRAME LINE N  
(X3822)  
PANELS: 26 Ga. A1 -



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	SCALE : NONE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	JOB NO.	SHT. OF		
																					L. MOORE	12/19/22	C. BENDA	12/19/22	NRD	12/20/22			CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301	EMPIRE STEEL BUILDINGS SAN DIEGO, CA.	X3820/21/22	37 OF 55

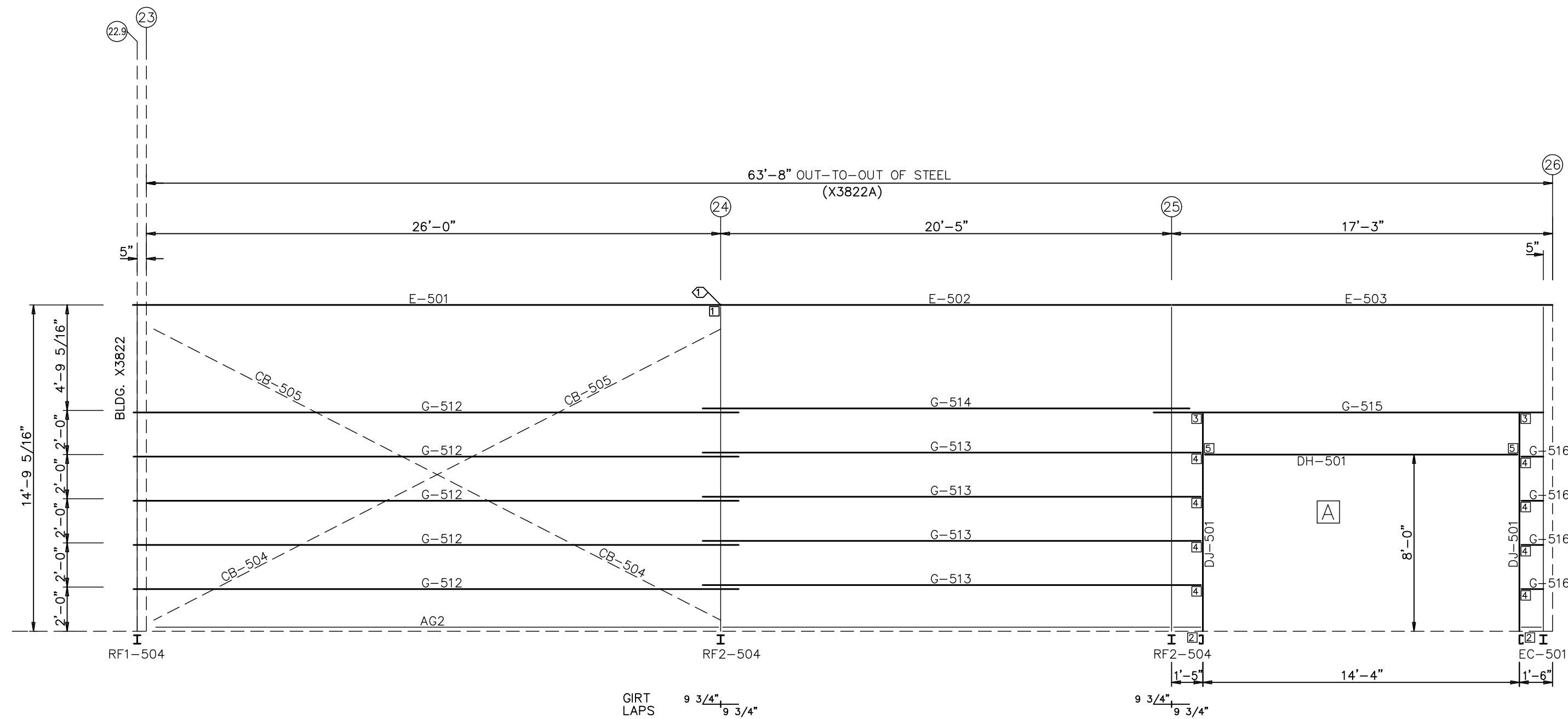
NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

QTY	ID	QTY	TYPE	DIA	LENGTH	WASH
1	4	A325	1/2"	1 1/2"	0	

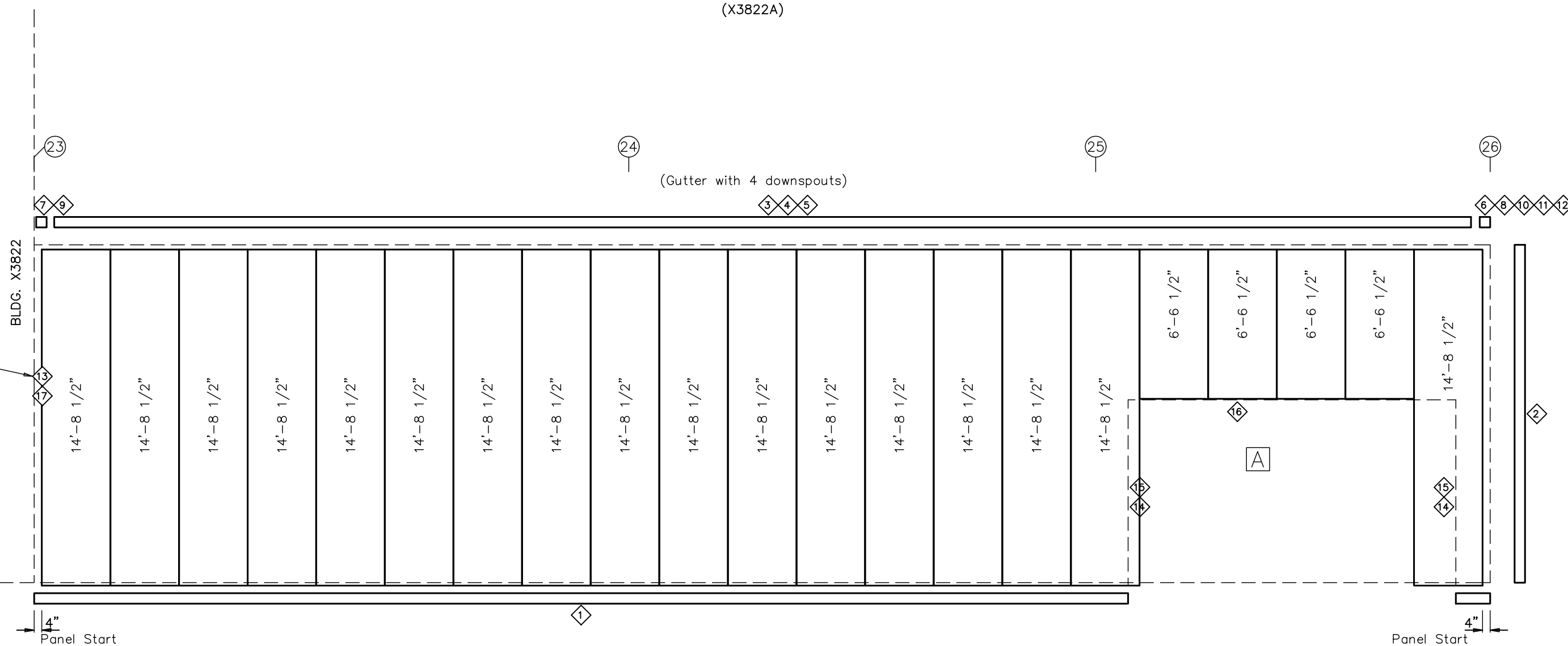
MEMBER TABLE		
MARK	PART	LENGTH
DJ-501	8C16	9'-7 5/8"
DH-501	8C16	14'-3 3/4"
E-501	8E12	26'-8 3/4"
E-502	8E12	20'-5"
E-503	8E12	17'-3"
G-512	8Z16	26'-9 5/8"
G-513	8Z16	22'-3 1/2"
G-514	8Z16	22'-0 1/2"
G-515	8Z16	17'-1 1/2"
G-516	8Z16	2'-1 1/2"
CB-504	WRO	20'-0"
CB-505	WRO	9'-5"

CONNECTION PLATES		
ID	MARK	PART
1	MP147	
2	CP146	
3	CP149	
4	CP96	
5	CP148	
6	d501	

TRIM TABLE		
ID	MARK	PART
1	TW11-20	
2	TW46-16	
3	TE25-20	
4	TE31	
5	TE22-20	
6	TE13	
7	TBV6...	
8	TE67	
9	TE72	
10	TE80	
11	TE73	
12	TE76...	
13	TE76...	
14	TW24-12	
15	TW23-12	
16	TW21-16	
17	IM716	



FRONT SIDEWALL FRAMING: FRAME LINE L (X3822A)



FRONT SIDEWALL SHEETING & TRIM: FRAME LINE L (X3822A)  
PANELS: 26 Ga. A1 -

NOTE: ALLOW FOR SEISMIC SEPARATION AT INSIDE CORNER OF WALLS ONLY. DO NOT SCREW TRIM TO ADJACENT ENDWALL TRIM. (ROOF TRANSITION TRIMS MAY BE ATTACHED TO BOTH WALL AND ROOF.)

□ - DENOTES FIELD LOCATED ACCESSORY (SEE ACCESSORY SHEET)



REVISIONS												SCALE : NONE		DRAWN BY L. MOORE DATE 12/19/22		CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301		EMPIRE STEEL BUILDINGS SAN DIEGO, CA.	
REVISIONS												CHECKED BY C. BENDA DATE 12/19/22		APPROVED BY NRD DATE 12/20/22		JOB NO. X3820/21/22		SHT. OF 38 55	
REVISIONS												REVIEWED BY		DATE		DATE		DATE	

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

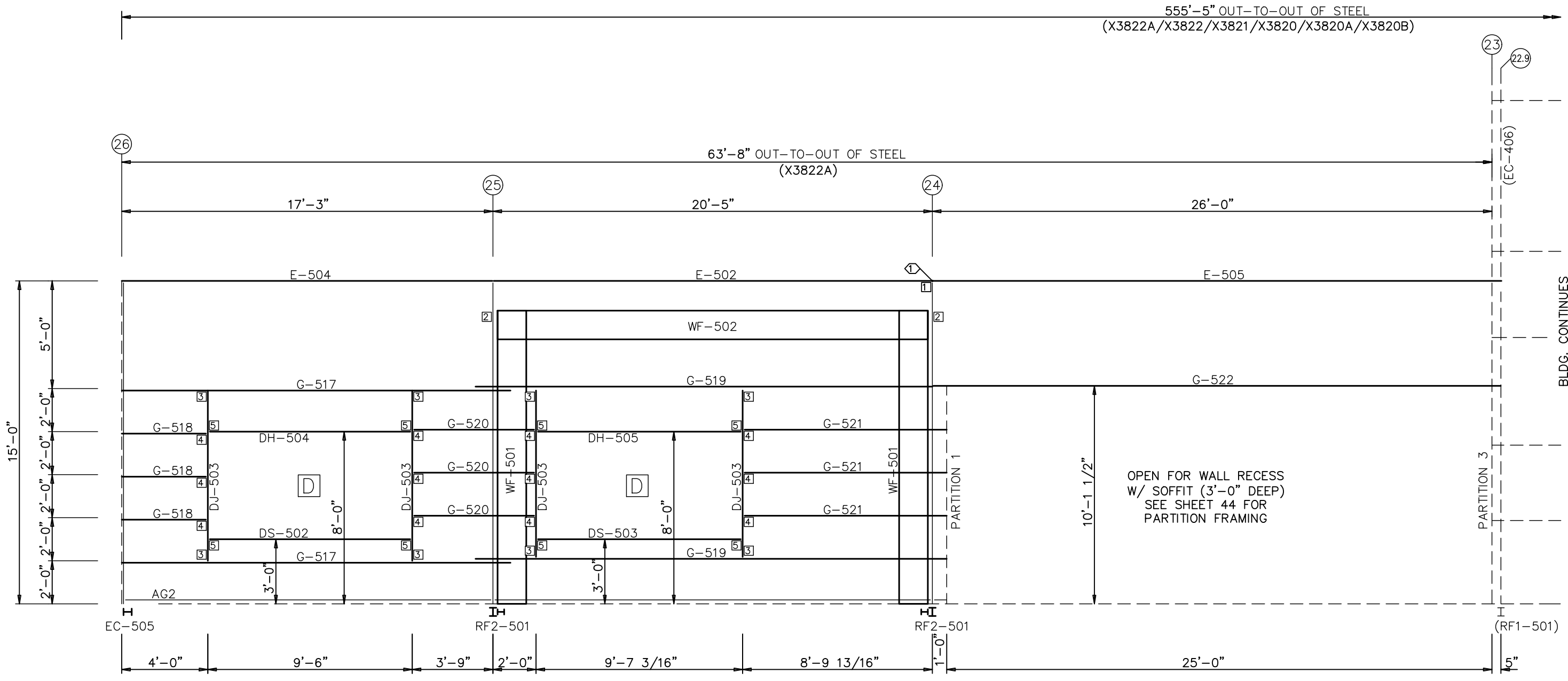
BOLT TABLE				
FRAME LINE A (X3822A)				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-501/WF-502	8	A325	1"	3"
WF-501/RF2-501	4	A325	1/2"	1 1/2"

SPECIAL BOLTS				
ID	QUAN	TYPE	DIA	LENGTH
1	4	A325	1/2"	1 1/2"

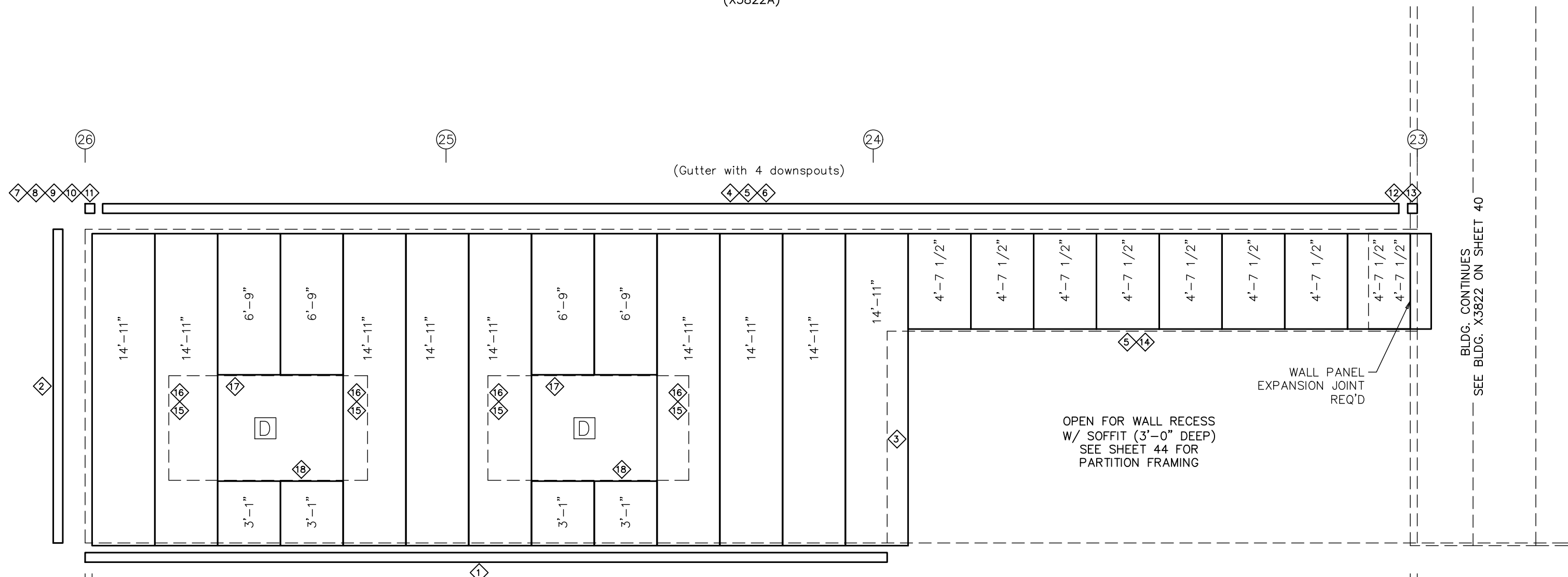
MEMBER TABLE		
FRAME LINE A (X3822A)		
MARK	PART	LENGTH
WF-501	B1680816	13'-10"
WF-502	B1601016	16'-8 1/2"
DJ-503	8C16	7'-3 1/2"
DH-504	8C16	9'-5 3/4"
DH-505	8C16	9'-6 15/16"
DS-502	8C16	9'-5 3/4"
DS-503	8C16	9'-6 15/16"
F-502	BE12	20'-4 3/4"
F-504	BE12	17'-2 3/4"
F-505	BE12	26'-8 3/4"
G-517	8Z16	18'-0 5/8"
G-518	8Z16	3'-7 5/8"
G-519	8Z16	5'-0 2 5/8"
G-520	8Z16	9'-5 1/2"
G-521	8Z16	9'-5 1/2"
G-522	8X18.75	26'-4 3/4"

CONNECTION PLATES	
FRAME LINE A (X3822A)	
ID	MARK/PART
1	MP147
2	CP150
3	CP149
4	CP96
5	CP148

TRIM TABLE	
FRAME LINE A (X3822A)	
ID	PART
1	TW11-20
2	TW46-16
3	TW46-12
4	TE25-20
5	TE31
6	TE22-20
7	TE13
8	TE81
9	TE67
10	TE72
11	TE27
12	TBV6...
13	TE73
14	TM71-20
15	TW16
16	TW15
17	TW21-12
18	TW58-12



BACK SIDEWALL FRAMING: FRAME LINE A (X3822A)



BACK SIDEWALL SHEETING & TRIM: FRAME LINE A (X3822A)

⊠ DENOTES FIELD LOCATED ACCESSORY (SEE ACCESSORY SHEET)



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE: NONE  
 DRAWN BY: L. MOORE DATE: 12/19/22  
 CHECKED BY: C. BENDA DATE: 12/19/22  
 APPROVED BY: NRD DATE: 12/20/22  
 CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301  
 EMPIRE STEEL BUILDINGS SAN DIEGO, CA.  
 JOB NO. X3820/21/22 SHT. OF 55

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

BOLT TABLE  
FRAME LINE A (X3822)

LOCATION	QUAN	TYPE	DIA	LENGTH
RF1-501/E-406	8	A325	1/2"	1 1/2"

SPECIAL BOLTS

QTY	DIAMETER	TYPE	LENGTH	WASH	NUT	BY
1	4	A325	1 1/2"	1/2"	0	1
5	2	A325	1 1/2"	2 1/4"	0	2

MEMBER TABLE  
FRAME LINE A (X3822)

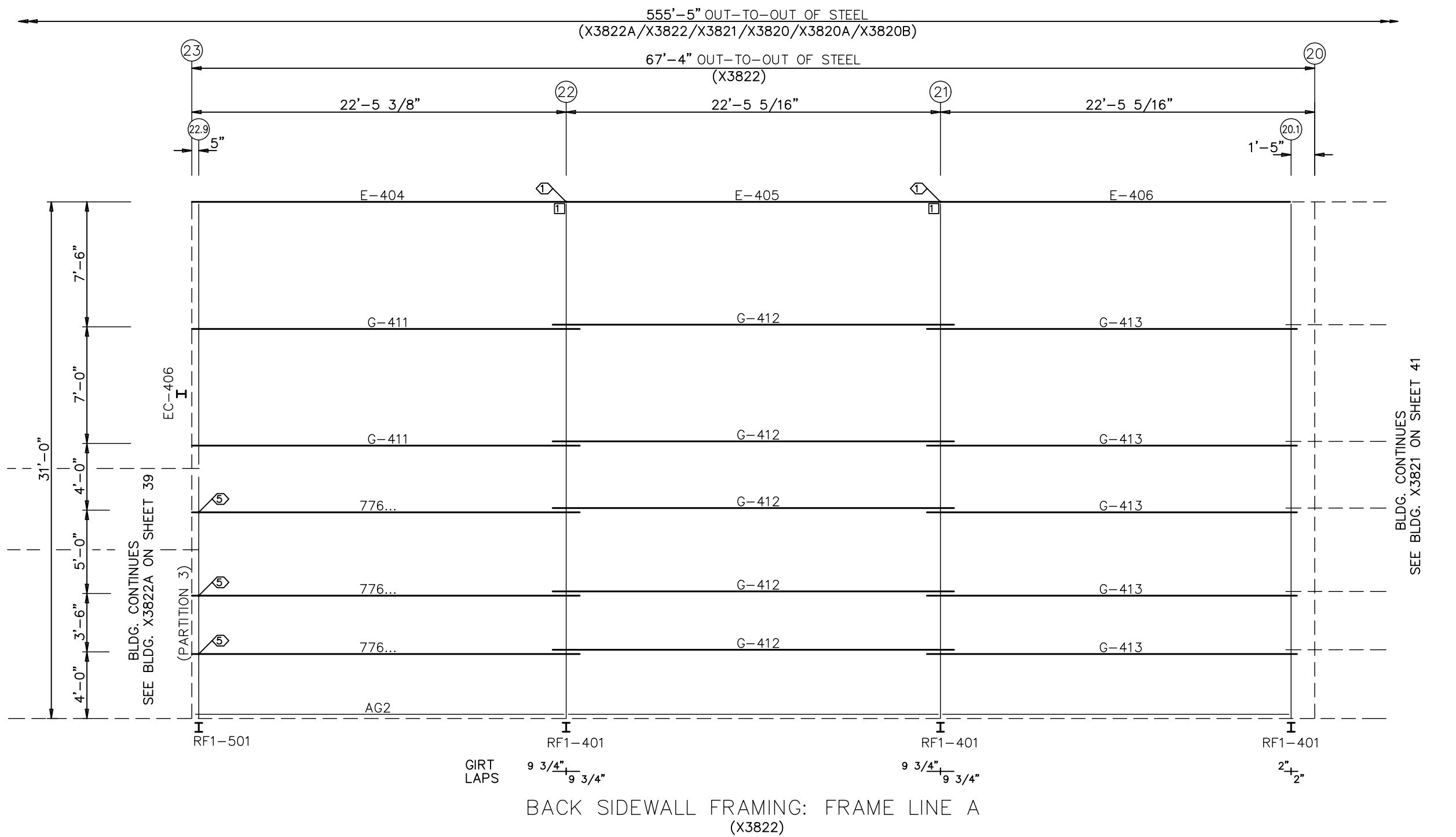
MARK	PART	LENGTH
E-404	8E14	22'-5 1/8"
E-405	8E14	22'-5 1/16"
E-406	8E14	21'-0 1/16"
G-411	8Z16	23'-3"
G-412	8Z16	24'-0 13/16"
G-413	8Z16	23'-2 15/16"
776...	8Z16	23'-2 15/16"

CONNECTION PLATES  
FRAME LINE A (X3822)

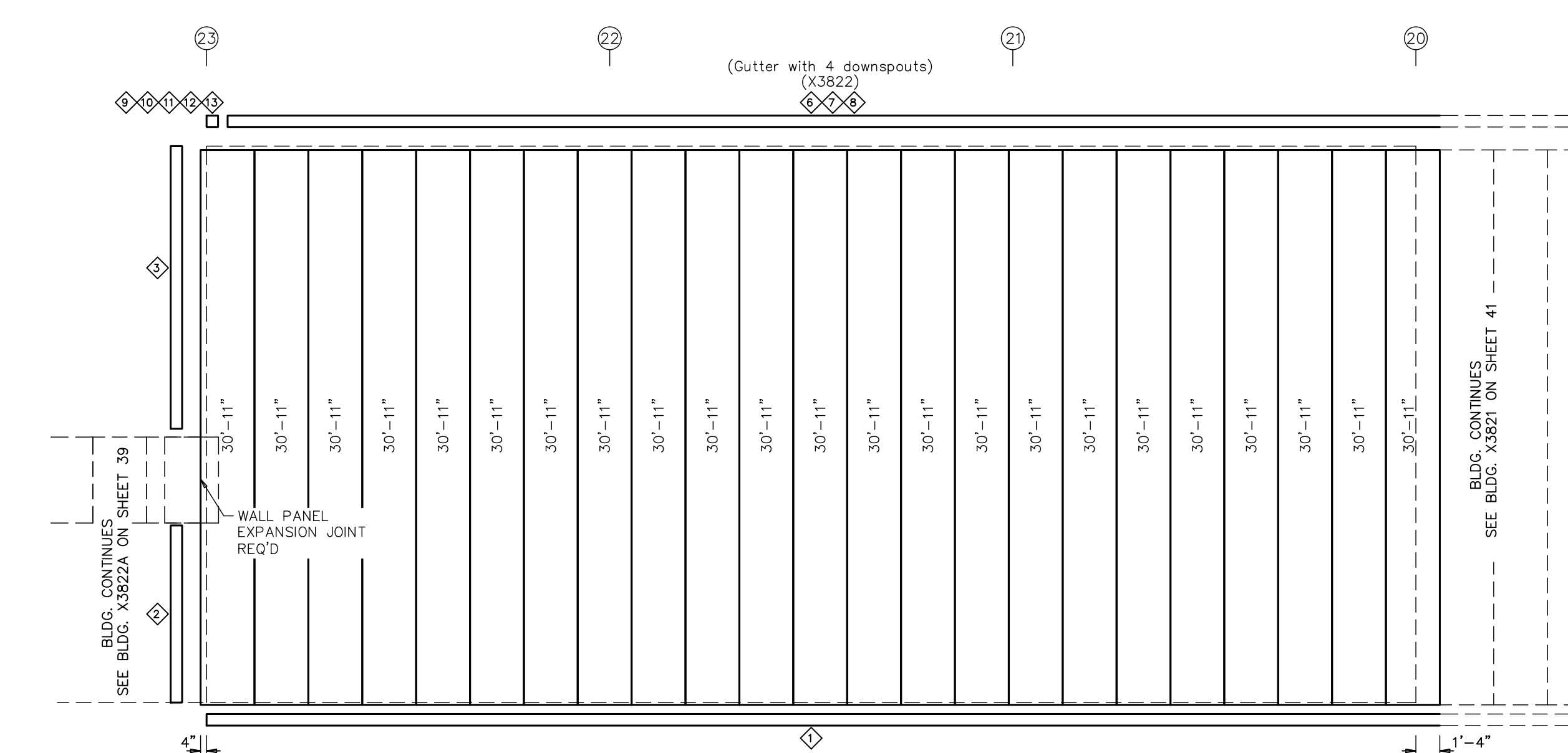
ID	MARK/PART
1	IMP147

TRIM TABLE  
FRAME LINE A (X3822)

ID	PART
1	TW11-20
2	776...
3	TD6...050-080B
6	TE25-20
7	TE31
8	TE22-20
9	TE13
10	TE81
11	TE15-1
12	TE72
13	TE27



BACK SIDEWALL FRAMING: FRAME LINE A (X3822)



BACK SIDEWALL SHEETING & TRIM: FRAME LINE A (X3822)  
PANELS: 26 Ga. A1 -



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE: NONE

DRAWN BY	L. MOORE	DATE	12/19/22
CHECKED BY	C. BENDA	DATE	12/19/22
APPROVED BY	NRD	DATE	12/20/22
REVIEWED BY		DATE	

CHUCK MINYARD - DISTRIBUTION  
ADELANTO CA 92301  
SIDEWALL FRAMING

EMPIRE STEEL BUILDINGS SAN DIEGO, CA.	JOB NO. X3820/21/22	SHT. OF 55
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NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

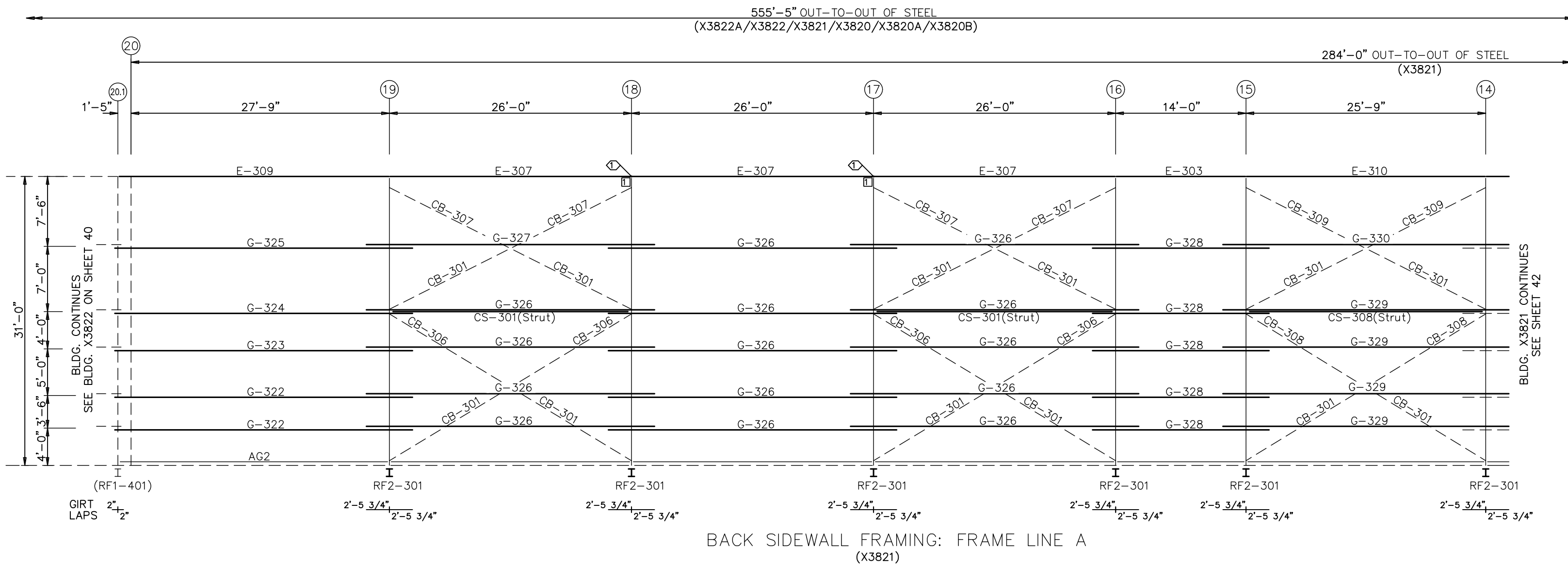
BOLT TABLE			
FRAME LINE A (X3821)			
LOCATION	QUAN	TYPE	DIA
Strut	4	A325	1/2" 2"

SPECIAL BOLTS				
ID	QUAN	TYPE	DIA	LENGTH
1	4	A325	1/2"	1 1/2"

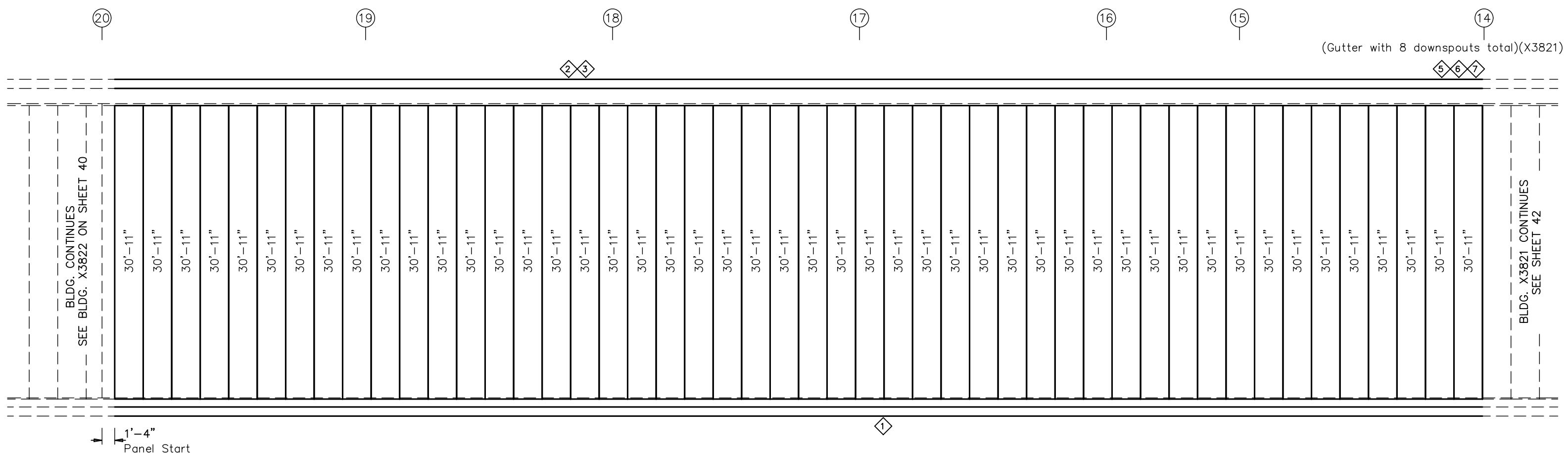
MEMBER TABLE		
FRAME LINE A (X3821)		
MARK	PART	LENGTH
E-303	BE12	13'-11 3/4"
E-304	BE12	18'-11 3/4"
E-307	BE12	25'-11 3/4"
E-309	BE12	29'-1 3/4"
E-310	BE12	25'-8 3/4"
CS-301	T5X3/16	25'-11 3/4"
CS-308	T5X3/16	25'-8 3/4"
G-322	8Z16	30'-2 5/8"
G-323	8Z15	30'-2 5/8"
G-324	8Z13	30'-2 5/8"
G-325	8Z12	30'-2 5/8"
G-326	8Z16	30'-11 1/2"
G-327	8Z15	30'-11 1/2"
G-328	8Z16	18'-11 1/2"
G-329	8Z15	30'-8 1/2"
G-330	8Z15	30'-8 1/2"
G-331	8Z16	23'-11 1/2"
CB-301	WRO	20'-0"
CB-306	WRO	10'-11"
CB-307	WRO	9'-7"
CB-308	WRO	10'-8"
CB-309	WRO	9'-4"

CONNECTION PLATES	
ID	MARK/PART
1	IMP147

TRIM TABLE	
ID	PART
1	1W11-20
2	TE73
3	TE72
5	TE25-20
6	TE31
7	TE22-20



BACK SIDEWALL FRAMING: FRAME LINE A  
(X3821)



BACK SIDEWALL SHEETING & TRIM: FRAME LINE A  
(X3821)  
PANELS: 26 Ga. A1 -



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

SCALE : NONE

DRAWN BY	L. MOORE	DATE	12/19/22	CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301	<b>EMPIRE STEEL BUILDINGS</b> SAN DIEGO, CA.
CHECKED BY	C. BENDA	DATE	12/19/22		
APPROVED BY	NRD	DATE	12/20/22		

SIDEWALL FRAMING

JOB NO. X3820/21/22 SHT. 41 OF 55

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

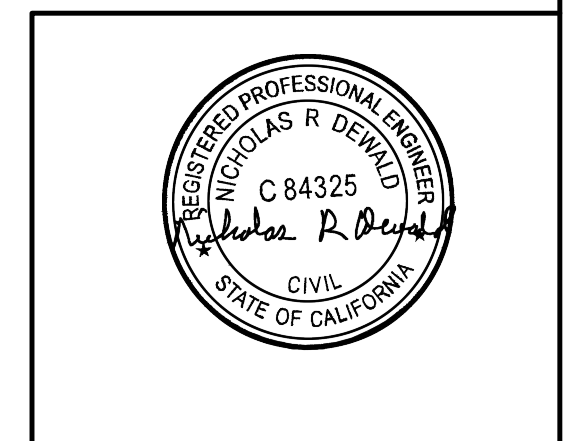
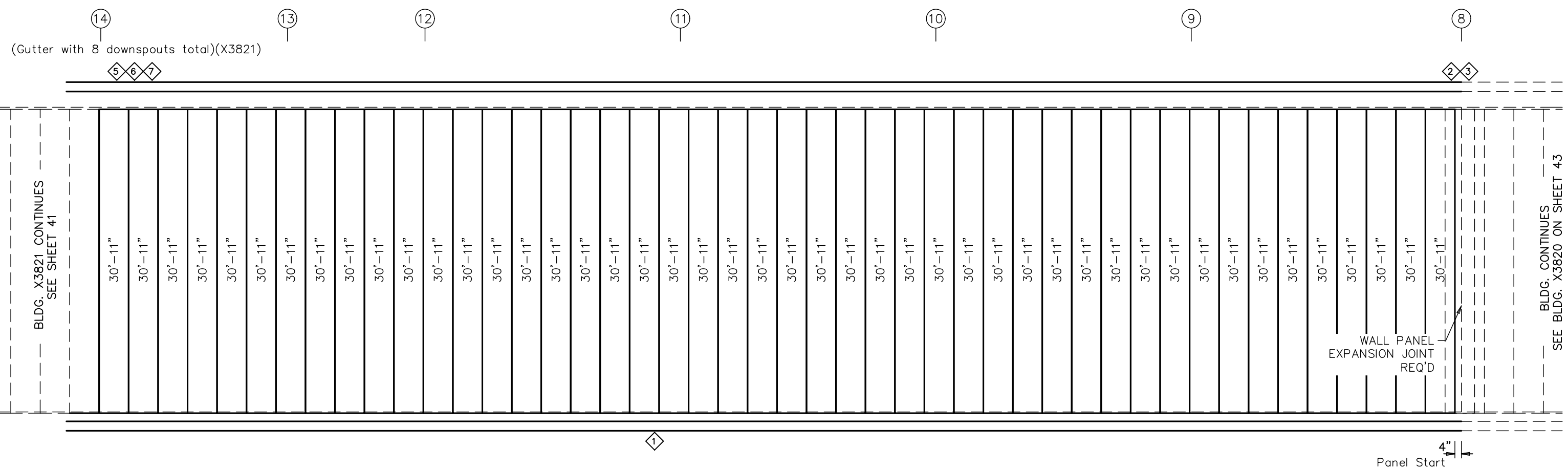
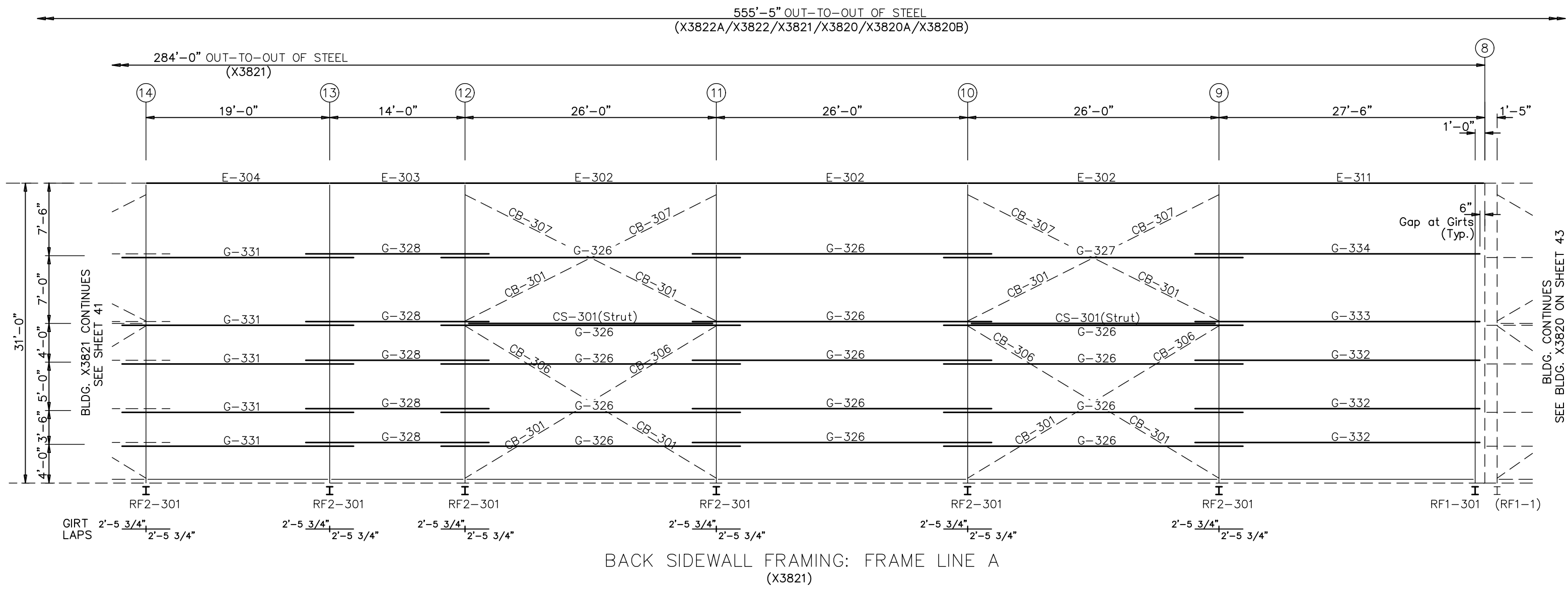
BOLT TABLE			
FRAME LINE A (X3821)			
LOCATION	QUAN	TYPE	DIA
Strut	4	A325	1/2" 2"

SPECIAL BOLTS				
QTY	QUAN	TYPE	DIA	LENGTH
3	2	A325	1/2"	2"

MEMBER TABLE		
FRAME LINE A (X3821)		
MARK	PART	LENGTH
E-302	BE12	25'-11 3/4"
E-303	BE12	13'-11 3/4"
E-304	BE12	18'-11 3/4"
E-310	BE12	25'-8 3/4"
E-311	BE12	26'-11 3/4"
CS-301	T5X3/16	25'-11 3/4"
CS-308	T5X3/16	25'-8 3/4"
G-326	8Z16	30'-11 1/2"
G-327	8Z15	30'-11 1/2"
G-328	8Z16	18'-11 1/2"
G-329	8Z16	30'-8 1/2"
G-330	8Z15	30'-8 1/2"
G-331	8Z16	23'-11 1/2"
G-332	8Z16	29'-5 5/8"
G-333	8Z14	29'-5 5/8"
G-334	8Z13	29'-5 5/8"
CB-301	WRO	20'-0"
CB-306	WRO	10'-11"
CB-307	WRO	9'-7"
CB-308	WRO	10'-8"
CB-309	WRO	9'-4"

CONNECTION PLATES	
FRAME LINE A (X3821)	
ID	MARK/PART
1	MP147

TRIM TABLE	
FRAME LINE A (X3821)	
ID	PART
1	1W11-20
2	TE73
3	TE72
5	TE25-20
6	TE31
7	TE22-20



REVISIONS												SCALE : NONE		DRAWN BY L. MOORE DATE 12/19/22		CHUCK MINYARD - DISTRIBUTION		EMPIRE STEEL BUILDINGS	
REVISIONS												CHECKED BY C. BENDA DATE 12/19/22		ADELANTO CA 92301		SAN DIEGO, CA.		JOB NO. X3820/21/22	
REVISIONS												APPROVED BY NRD DATE 12/20/22		SIDEWALL FRAMING		SHT. OF 55			

NOTE: SEE SHEET 8  
FOR MATERIAL  
SPECIFICATION KEY.

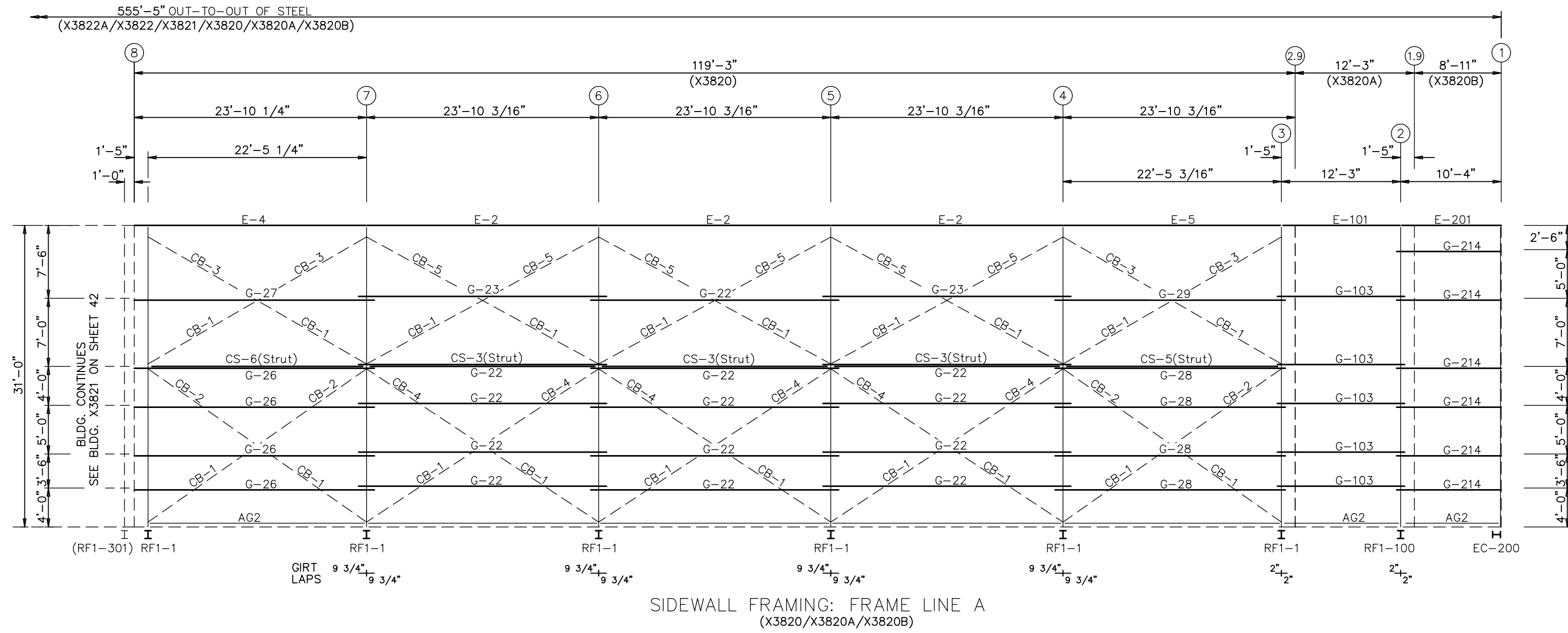
BOLT TABLE			
FRAME LINE A (X3820)			
LOCATION	QUAN	TYPE	DIA. LENGTH
Strut	4	A-325	1/2" 2"

MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
X3820		
E-2	8E14L05	23'-9 15/16"
E-4	8E14L05	23'-10"
E-5	8E14L05	23'-9 15/16"
CS-3	T5X3/16	23'-9 15/16"
CS-5	T5X3/16	22'-5 1/16"
CS-6	T5X3/16	22'-5 1/8"
G-22	8Z16	25'-5 11/16"
G-23	8Z15	25'-5 11/16"
G-26	8Z16	24'-7 7/8"
G-27	8Z14	24'-7 7/8"
G-28	8Z16	24'-7 13/16"
G-29	8Z15	24'-7 13/16"
CB-1	WRO	20'-0"
CB-2	WRO	7'-11"
CB-3	WRO	6'-5"
CB-4	WRO	9'-1"
CB-5	WRO	7'-8"

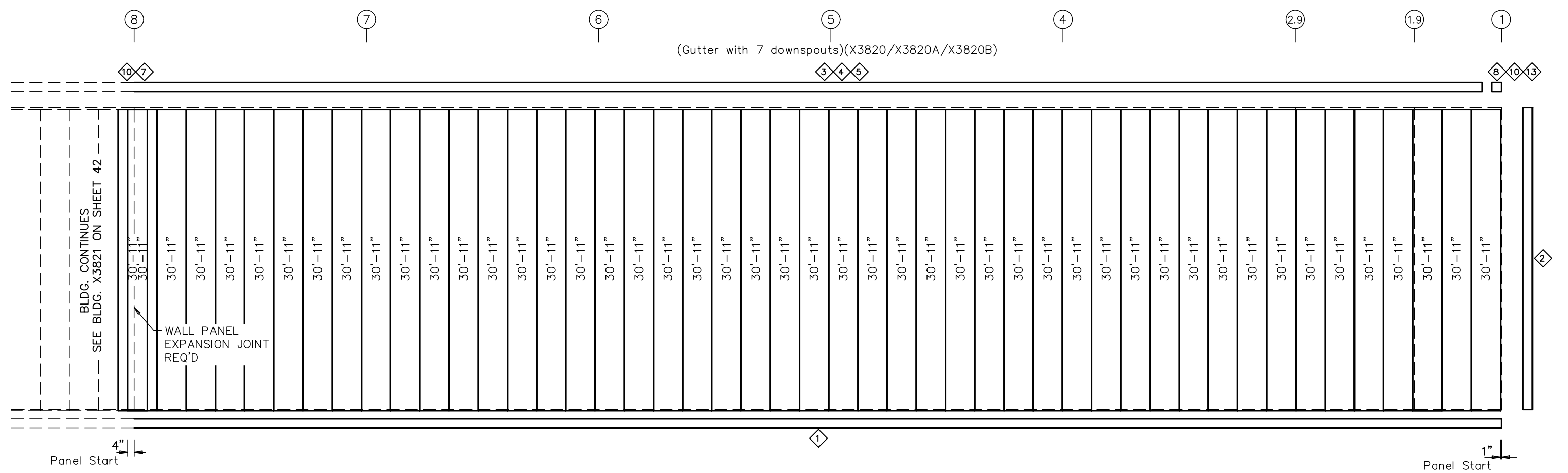
X3820A		
E-101	8E12L05	13'-11 3/4"
G-103	8Z16	12'-2 3/4"

X3820B		
E-201	8E14L05	10'-7 3/4"
G-214	8Z16	8'-10 3/4"

TRIM TABLE	
FRAME LINE A (X3820/20A/20B)	
ID	PART
1	TW11-20
2	TW1-16
3	TE25-20
4	TE31
5	TE22-20
6	TE13
7	TE72
8	TE27
9	TE15-1
10	TE73
11	?
12	?
13	TF80



SIDEWALL FRAMING: FRAME LINE A  
(X3820/X3820A/X3820B)



SIDEWALL SHEETING & TRIM: FRAME LINE A  
(X3820/X3820A/X3820B)  
PANELS: 26 Ga. A1 -



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	

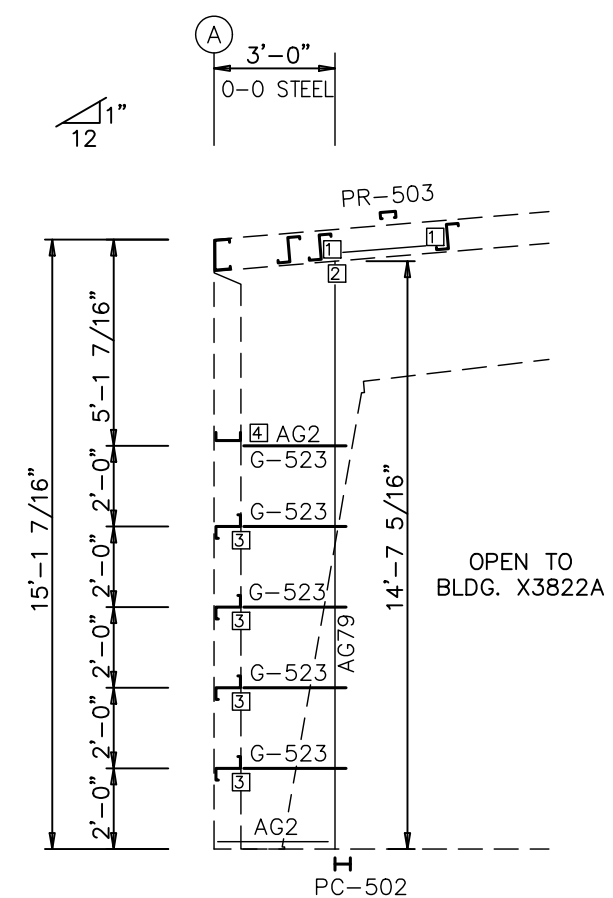
SCALE : NONE	DRAWN BY L. MOORE DATE 12/19/22	CHUCK MINYARD - DISTRIBUTION	EMPIRE STEEL BUILDINGS SAN DIEGO, CA.
CHECKED BY C. BENDA DATE 12/19/22	APPROVED BY NRD DATE 12/20/22	ADELANTO CA 92301	
REVIEWED BY	DATE	SIDEWALL FRAMING	
JOB NO. X3820/21/22	SHT. OF 43	55	

NOTE: SEE SHEET 8 FOR MATERIAL SPECIFICATION KEY.

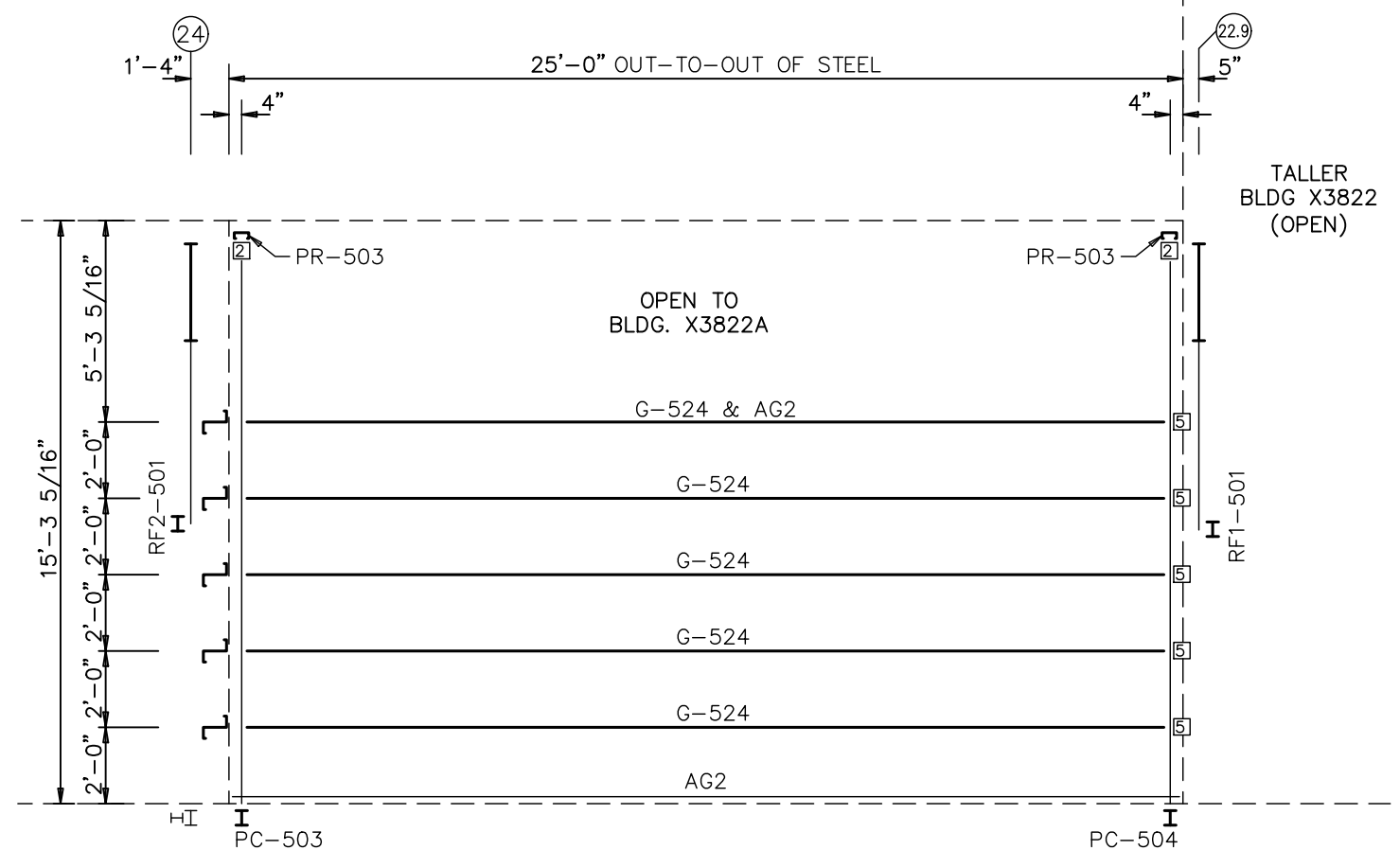
MEMBER TABLE		
PARTITION FRAMING		
MARK	PART	LENGTH
PARTITION 1		
PC-502	W8X10	14'-3 5/16"
PR-503	8C16	2'-5 1/2"
G-523	8Z16	2'-11 3/8"
PARTITION 2		
PC-503	W8X10	14'-3"
PC-504	W8X10	14'-3"
PR-503	8C16	2'-5 1/2"
G-524	8Z16	24'-3 1/2"

CONNECTION PLATES	
PARTITIONS 1, 2, & 3	
ID	MARK/PART
1	CP96
2	SAN3DG
3	MP234
4	CP101
5	CP49

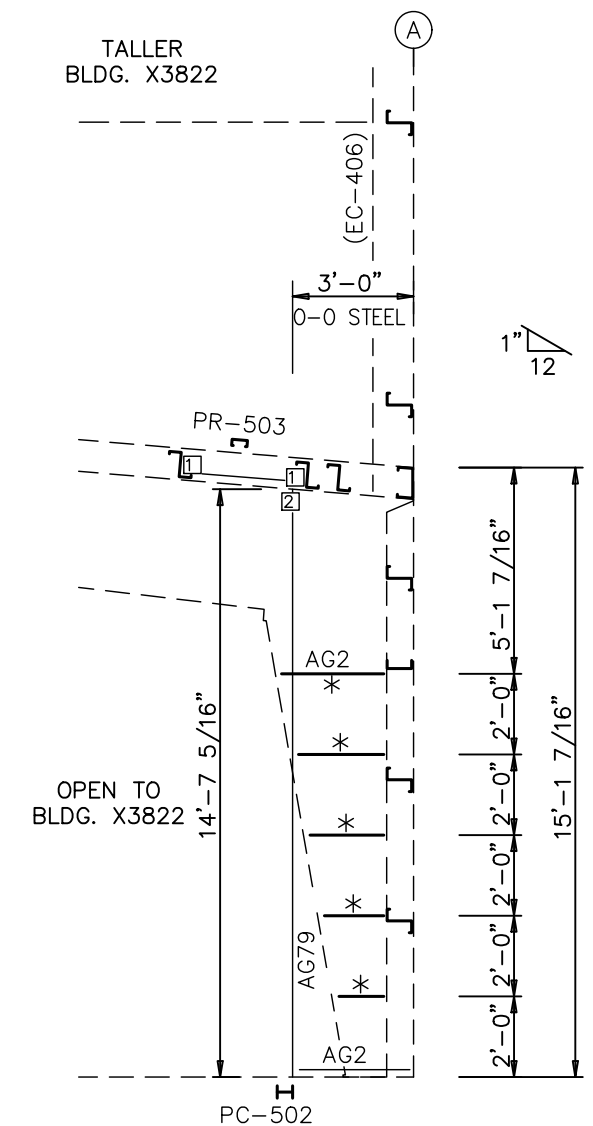
TRIM TABLE	
PARTITIONS 1, 2, & 3	
ID	PART
1	1GF6-032-055D
2	TW46-12
3	TW23-8
4	TW17-20
5	TE31
6	TW55-12
7	776...



PARTITION 1 FRAMING:  
1'-0" from FRAME LINE 24  
(X3822A)

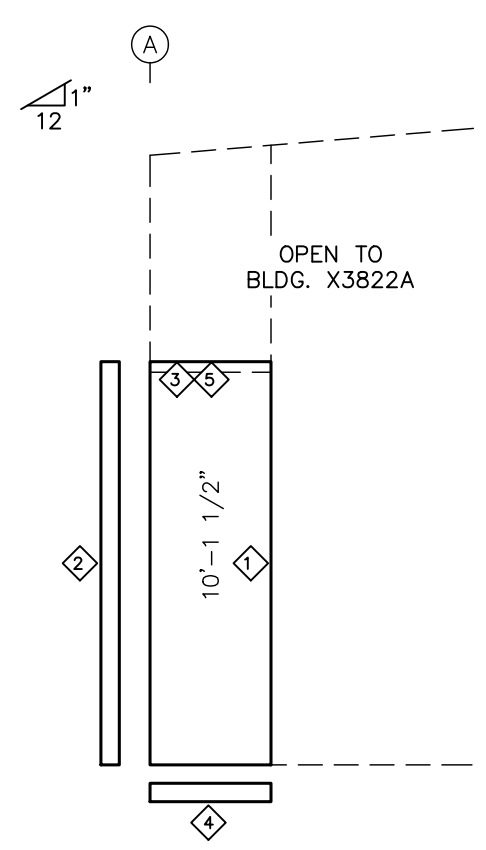


PARTITION 2 FRAMING:  
3'-0" from FRAME LINE A  
(X3822A)

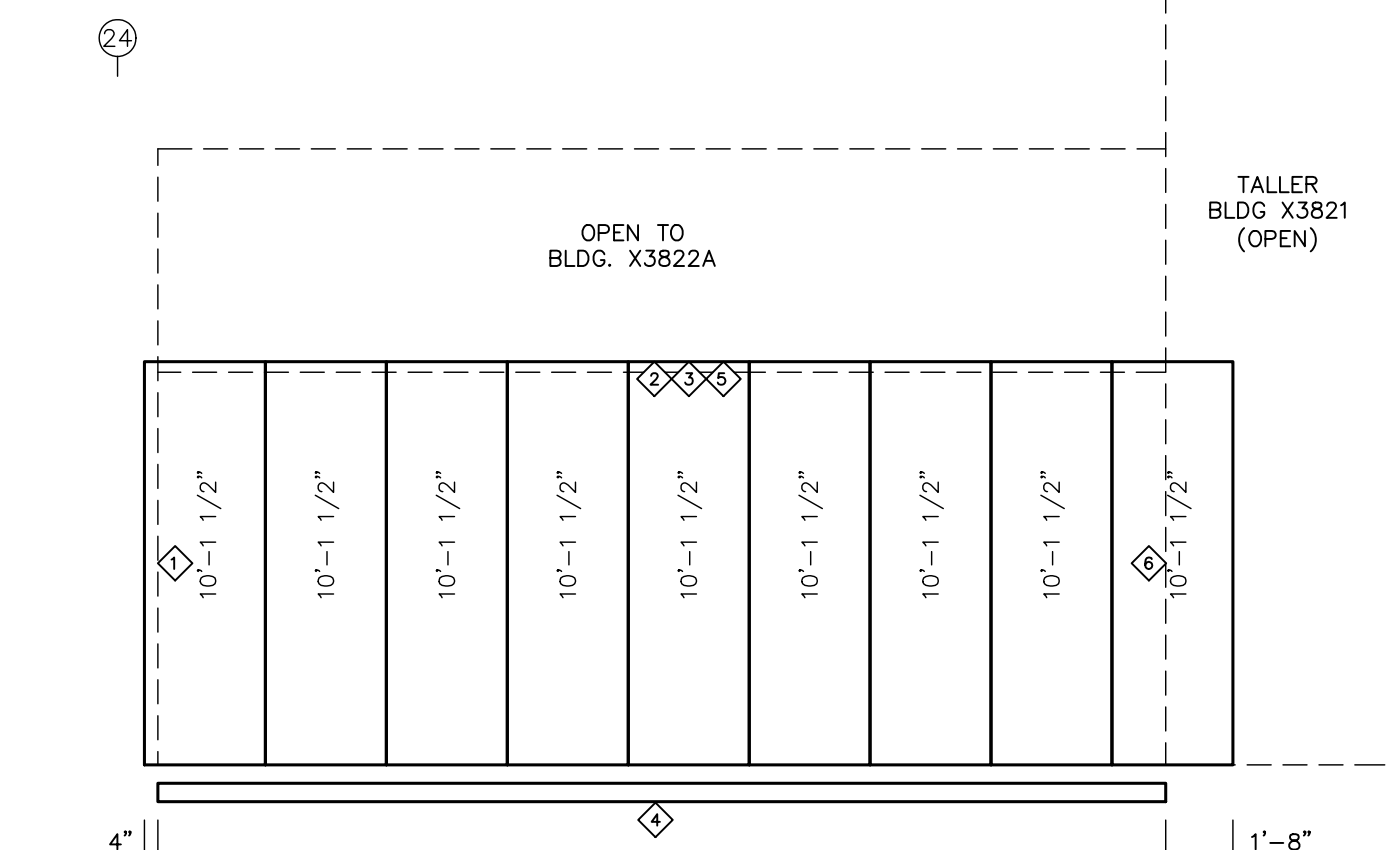


PARTITION 3 FRAMING:  
FRAME LINE 23  
(X3822A)

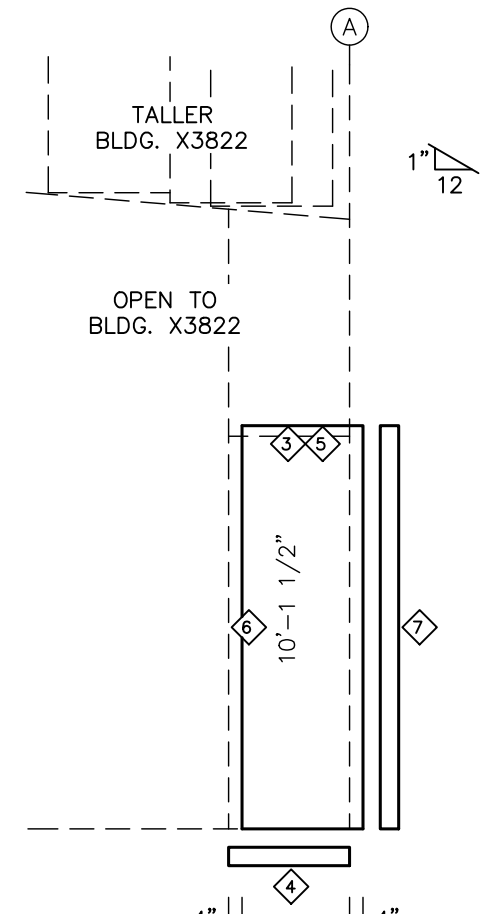
\* - INDICATES SG6GX048-021 (FIELD CUT FROM 18'-10" BLANK)



PARTITION 1 SHEETING & TRIM:  
1'-0" from FRAME LINE 24  
PANELS: 26 Ga. A1 -  
(X3822A)



PARTITION 2 BACK SHEETING & TRIM:  
3'-0" from FRAME LINE A  
PANELS: 26 Ga. A1 -  
(X3822A)



PARTITION 3 SHEETING & TRIM:  
FRAME LINE 23  
PANELS: 26 Ga. A1 -  
(X3822A)

NOTE: FOR SOFFIT SHEETING, SEE SHEET 5



LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE	LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

SCALE: NONE

DRAWN BY: L. MOORE DATE: 12/19/22

CHECKED BY: C. BENDA DATE: 12/19/22

APPROVED BY: NRD DATE: 12/20/22

REVIEWED BY: DATE:

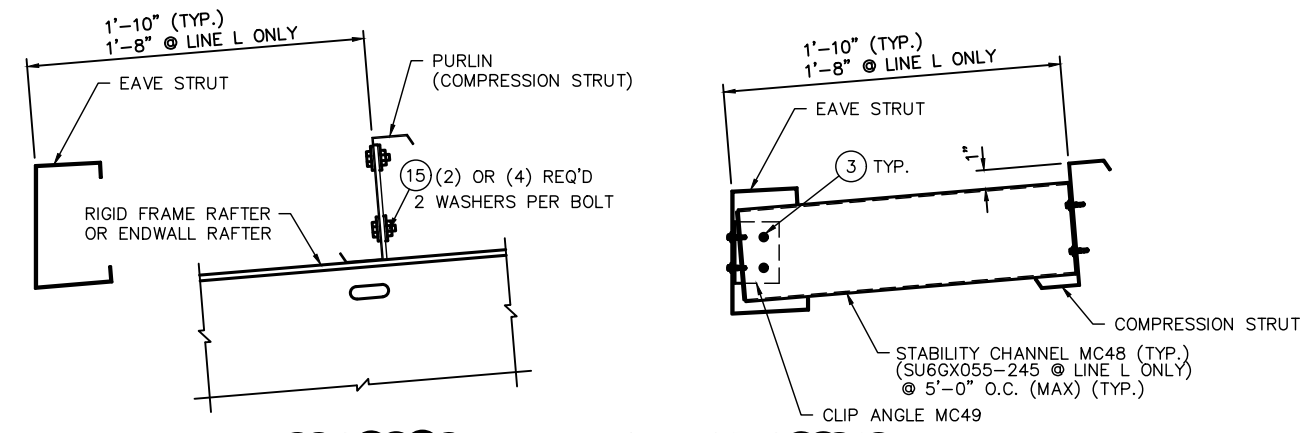
CHUCK MINYARD - DISTRIBUTION ADELANTO CA 92301

EMPIRE STEEL BUILDINGS SAN DIEGO, CA.

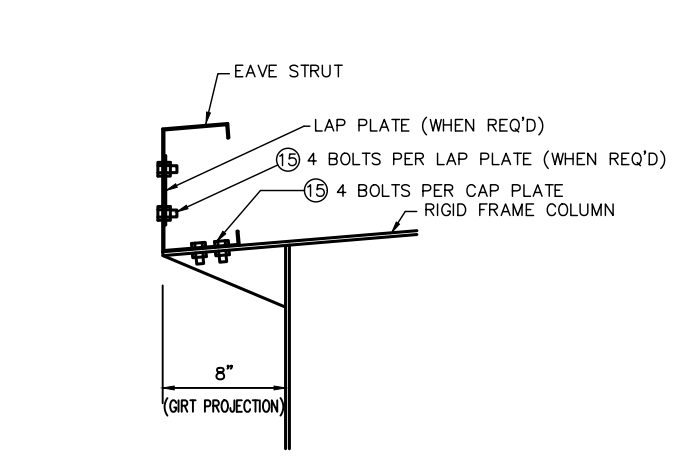
PARTITION FRAMING

JOB NO. X3820/21/22

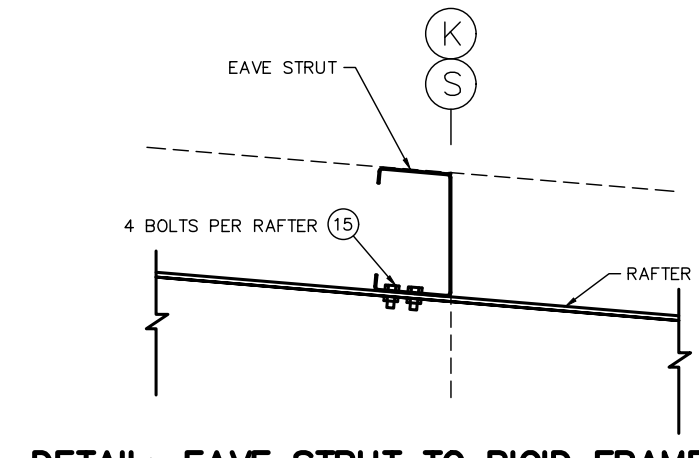
SHT. 44 OF 55



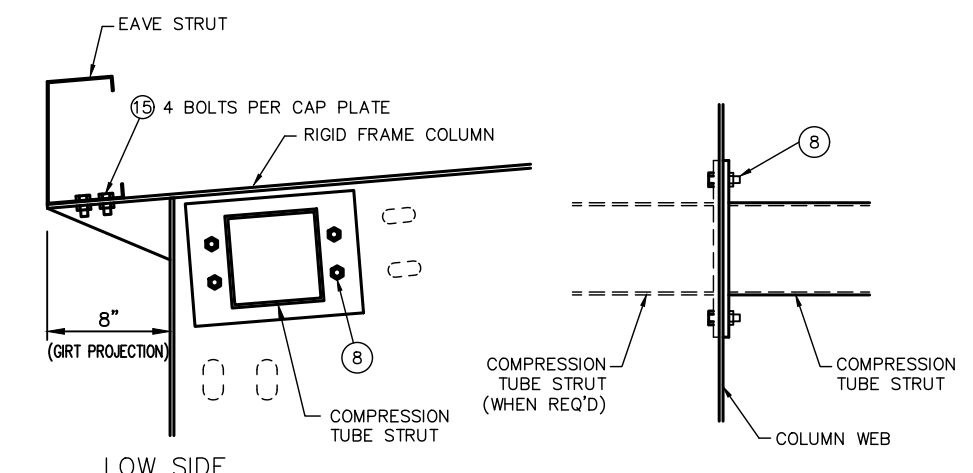
NOTE: DO NOT ATTACH ROOF SHEETING TO COMPRESSION STRUT  
**DETAIL: COMPRESSION STRUT TO RIGID FRAME RAFTER OR ENDWALL RAFTER AT EAVE**  
 W008A



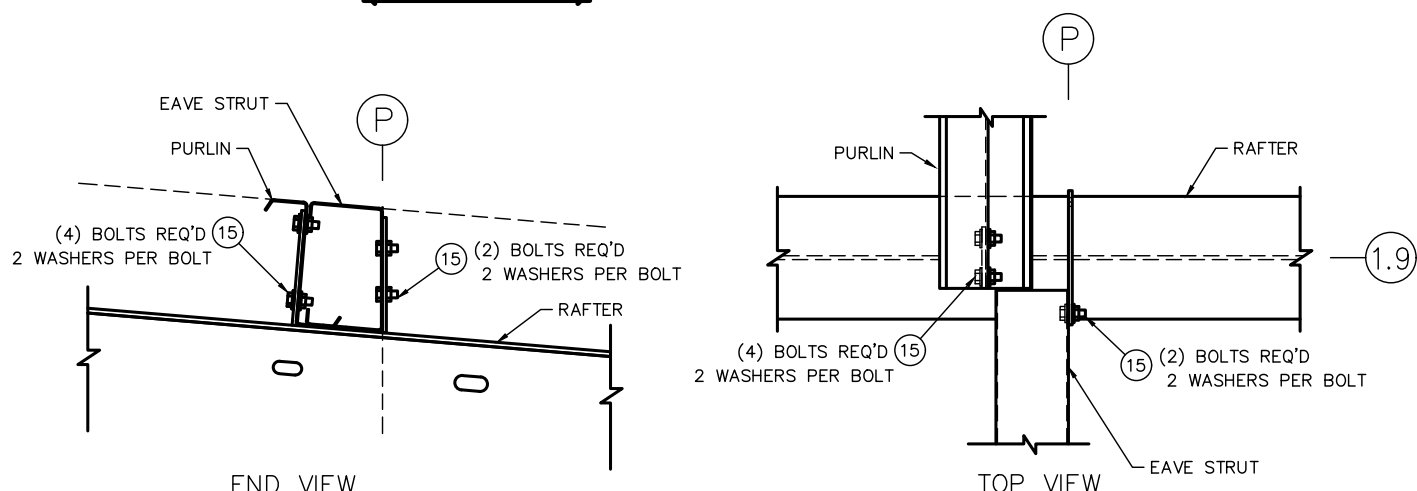
LOW SIDE  
**DETAIL: EAVE STRUT TO COLUMN W/ LAP PLATE (WHEN REQ'D)**  
 E000B



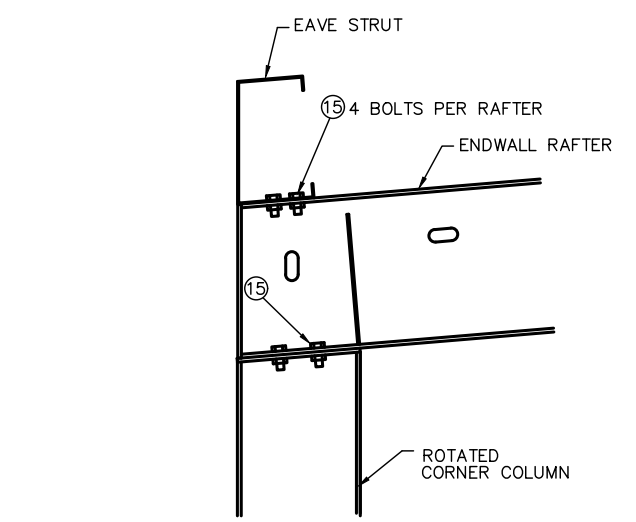
**DETAIL: EAVE STRUT TO RIGID FRAME RAFTER AT LINES 3 AND 20.1 (MID-SLOPE)**



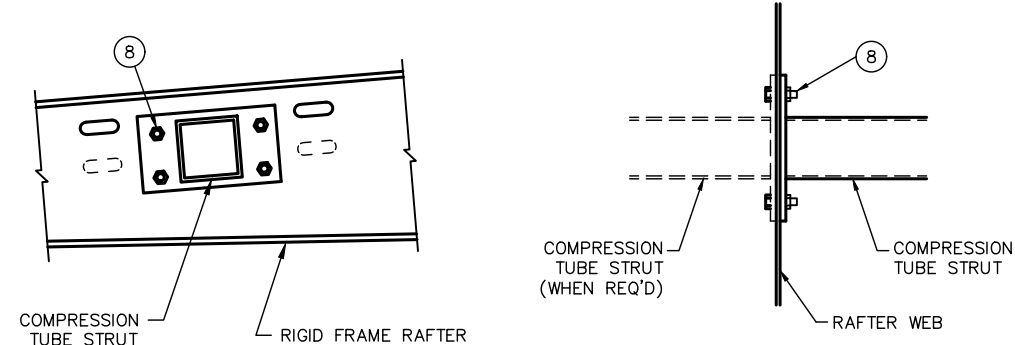
LOW SIDE  
**DETAIL: RIGID FRAME COLUMN AT LOW EAVE WITH COMPRESSION TUBE STRUT**  
 E000X / W012X



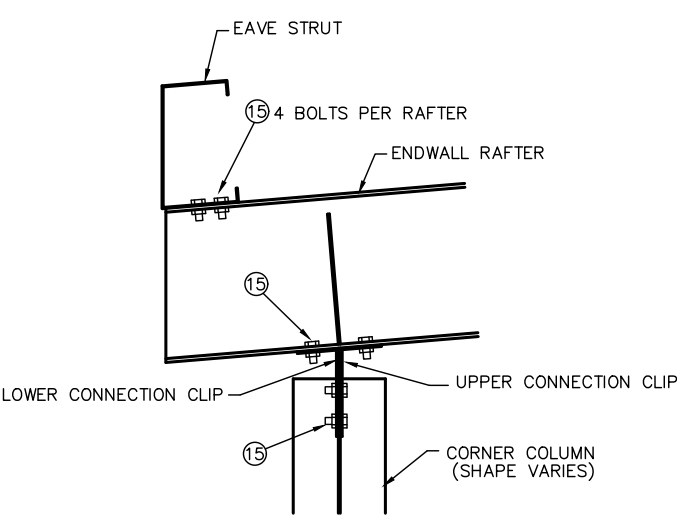
**DETAIL: EAVE STRUT TO RIGID FRAME RAFTER AT PURLIN INTERFERENCE**



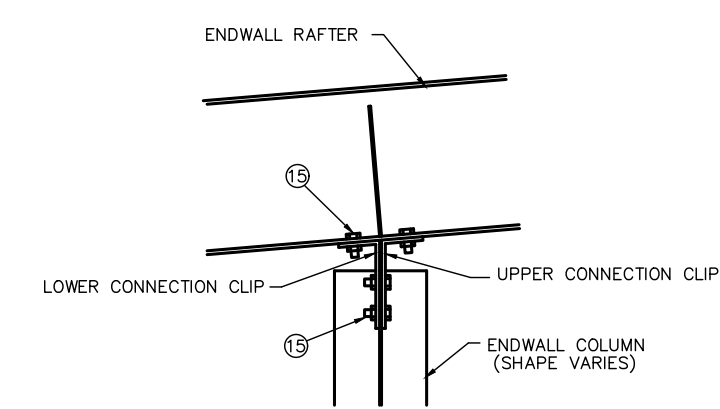
LOW SIDE  
**DETAIL: EAVE STRUT TO ENDWALL RAFTER (0\"/>
 AT LINE 26/L**



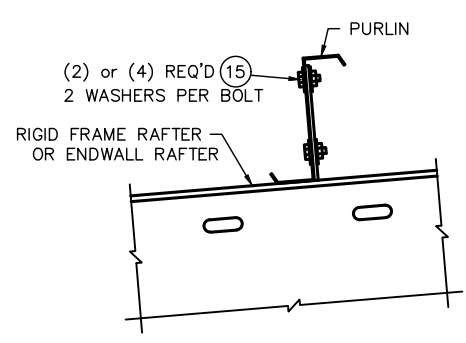
**DETAIL: COMPRESSION TUBE TO RIGID FRAME RAFTER**



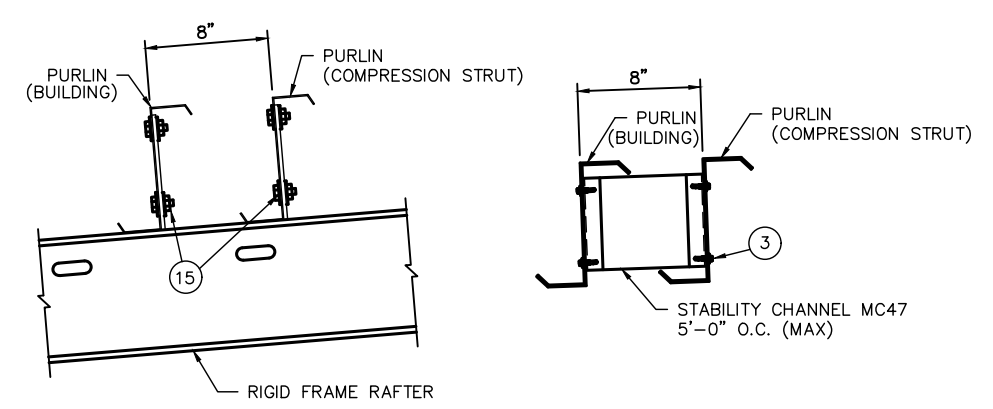
LOW SIDE  
**DETAIL: EAVE STRUT TO ENDWALL RAFTER AT LINES 1, 22.9, & 26/A**  
 E000



**DETAIL: ENDWALL COLUMN TO ENDWALL RAFTER AT LINES 1, 22.9, & 26**  
 E000



**DETAIL: PURLIN TO RIGID FRAME RAFTER OR ENDWALL RAFTER**  
 W008A  
 SEE SPECIAL BOLT CALLOUTS ① OR ④ ON ROOF PLANS FOR LOCATIONS



NOTE: DO NOT ATTACH ROOF SHEETING TO COMPRESSION STRUT  
**DETAIL: COMPRESSION STRUT TO RIGID FRAME RAFTER OR ENDWALL RAFTER**  
 W007AX

FASTENER SCHEDULE			
LOC. PART NUMBER	DESCRIPTION	LOC. PART NUMBER	DESCRIPTION
(1)	AS NOTED ON RIGID FRAME ELEVATION	(14)	SCREW 12 X 1 1/4 HWH SD #5 PT NW
(2)	SCREW 1/4 X 3/4 FL-TP SD WW	(15)	BOLT 1/2 X 1 1/2 HVHX A325 GALV & NUT (1328191)
(3)	SCREW 12 X 1 HWH SD NW	(16)	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(4)	SCREW 12 X 1 1/4 FL-TP SD WW	(17)	SCREW 12 X 2 FL-TP SD WW
(5)	SCREW 1/4 X 1 1/4 LG-LF SD WW	(19)	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(6)	SCREW 8 X 1 1/2 HWH SD NW	(20)	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(8)	BOLT 1/2 X 2 HVHX A325 GALV & NUT (1328191)	(21)	SCREW 1/4 X 1 1/2 HWH SD NW
(9)	BOLT 5/8 X 2 1/4 HVHX A325 GALV & NUT (1328195)	(22)	SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(10)	BOLT 3/4 X 1 1/2 HVHX A325 GALV & NUT (1328192)	(23)	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(11)	BOLT 3/4 X 2 1/2 HVHX A325 GALV & NUT (1328192)	(25)	SCREW 17 X 1 LG-LF ST WW
(12)	SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	(26)	SCREW 1/4 X 1 HWH SD NW
(13)	SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	(27)	SCREW 10 X 1 1/2 HWH WOODTITE WW
(14)	SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	(28)	SCREW 12 X 1 1/2 HWH SD #5 PT WW

ABBREVIATIONS	
HD	= HEAD
SD	= SELF DRILLING
ST	= SELF TAPPING
SS	= STAINLESS STEEL
PT	= POINT
RD	= ROUND
WW	= WITH WASHER
NW	= NO WASHER
FLT	= FLAT
HVHX	= HEAVY HEX
UNPL	= UNPLATED
PLTD	= PLATED
HWH	= HEX WASHER HEAD
FL-TP	= FLAT TOP
LG-LF	= LONG LIFE
PHPS	= PHILLIPS

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

NOTES:

- FOR SEQUENCE OF ERECTION - SEE APPLICABLE WALL PANEL ERECTION GUIDE.
- FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
- SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
- THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
- ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.

UNLESS OTHERWISE NOTED, CONNECTIONS BY THIS MANUFACTURER USING A-325 HIGH STRENGTH BOLTS ARE DESIGNED TO BE FASTENED USING THE "SNUG TIGHTENED" METHOD, AS DEFINED AND DESCRIBED IN THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS SPECIFICATION (RCSC, 6-23-2000), SECTION 4.1 "SNUG-TIGHTENED JOINTS" (REFERENCE SECTION 8.1).

SCALE : NONE

DRAWN BY: L. MOORE DATE: 12/19/22  
 CHECKED BY: C. BENDA DATE: 12/19/22  
 APPROVED BY: NRD DATE: 12-20-22  
 REVIEWED BY: DATE:

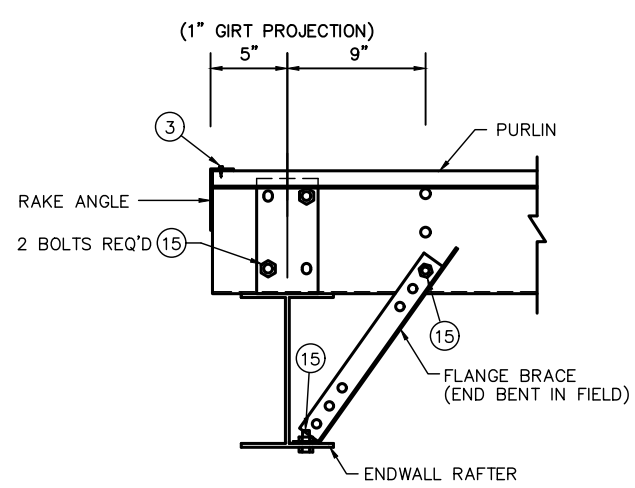
CHUCK MINYARD - DISTRIBUTION  
 ADELANTO, CA 92301

EMPIRE  
 EMPIRE STEEL BUILDINGS  
 SAN DIEGO, CA.

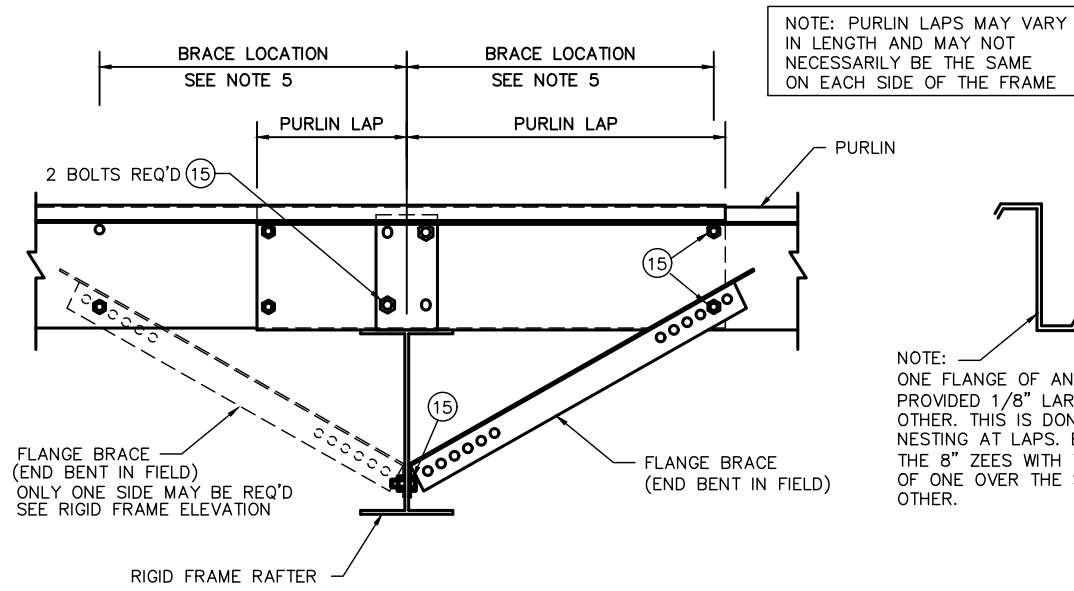
ERECTOR DETAILS

JOB NO. X3820/21/22 SHT. OF 45 55

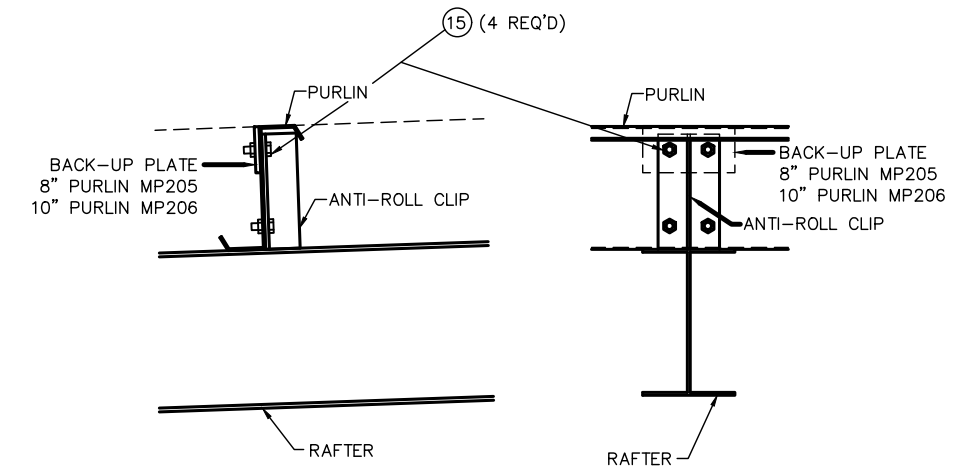




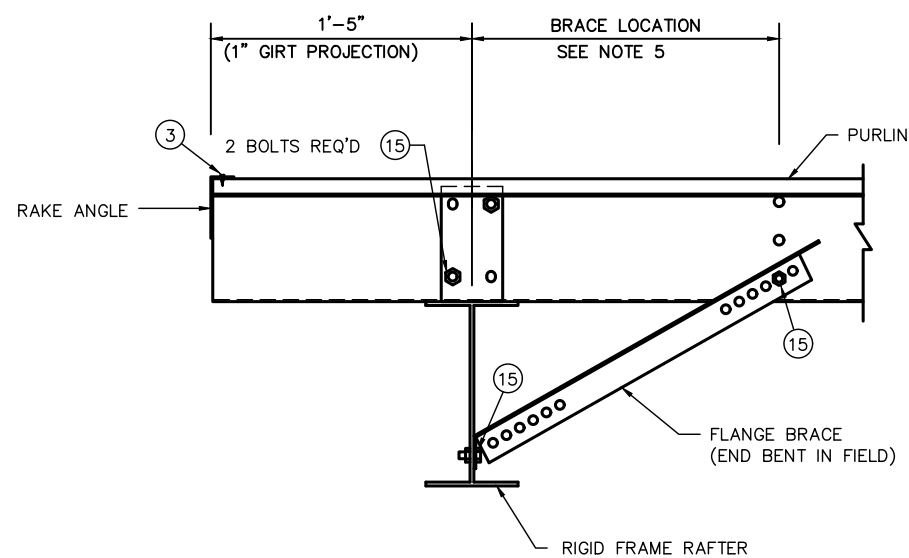
**DETAIL: PURLIN TO ENDWALL RAFTER & FLANGE BRACE PLACEMENT**  
P018



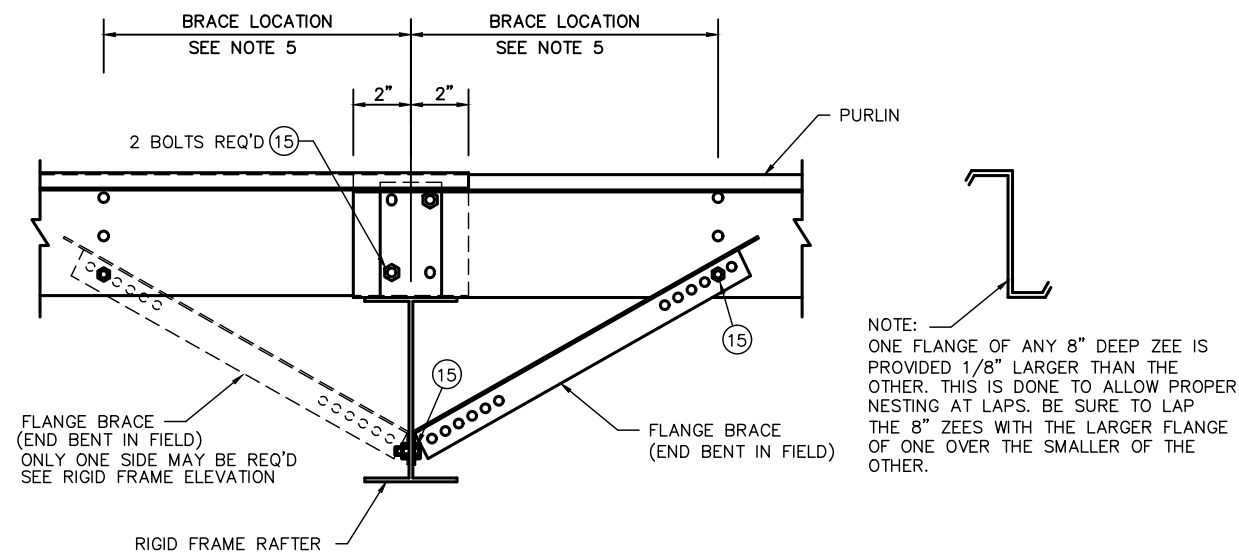
**DETAIL: PURLIN CONNECTION W/ LAP & FLANGE BRACE PLACEMENT**  
P001



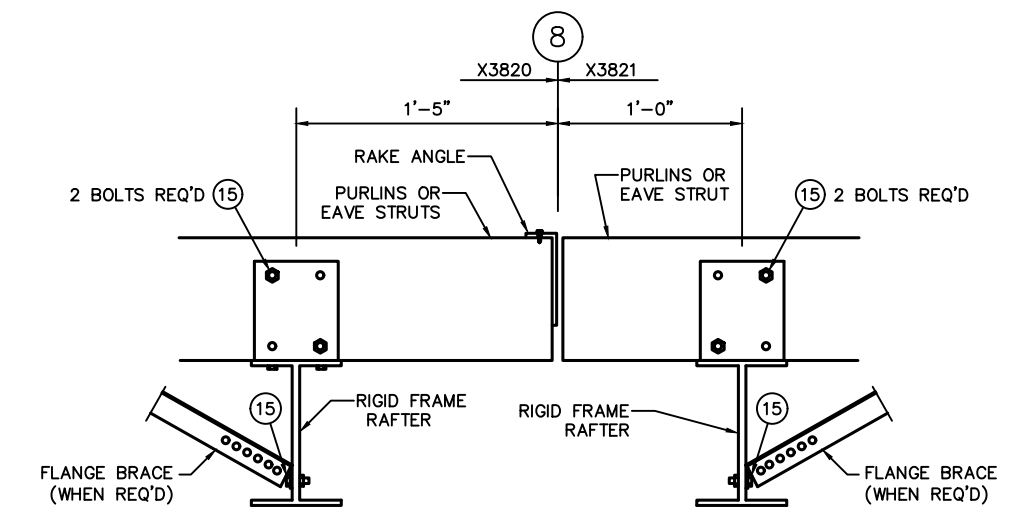
**DETAIL: ANTI-ROLL CLIP AT PURLIN LINE**  
SM094B



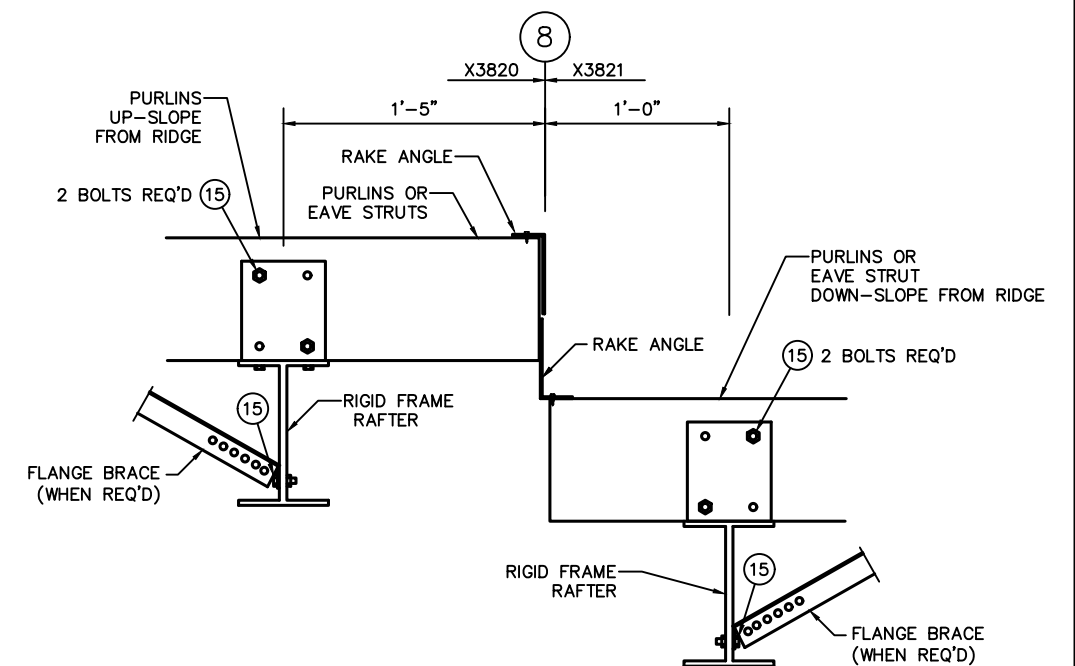
**DETAIL: PURLIN TO RIGID FRAME RAFTER AT END & FLANGE BRACE PLACEMENT**  
P006



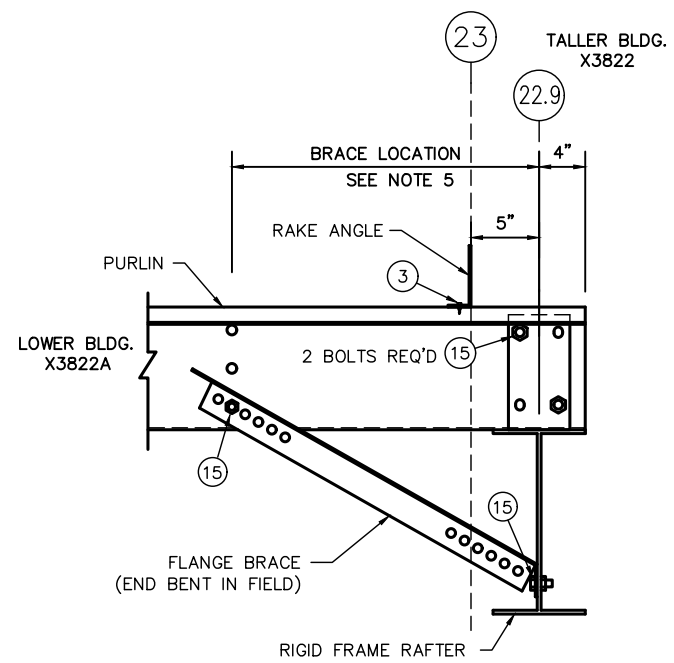
**DETAIL: PURLIN CONNECTION W/ LAP & FLANGE BRACE PLACEMENT (SIMPLE SPAN)**  
P004X



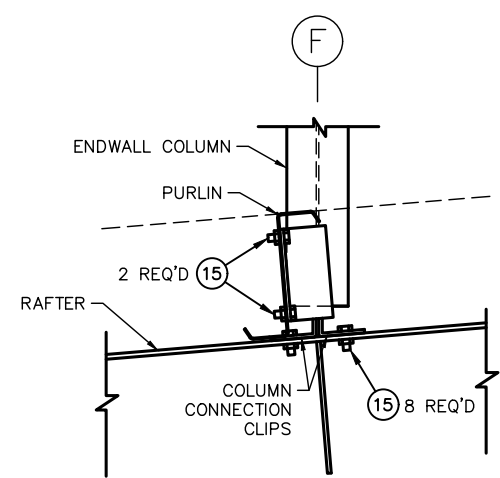
**DETAIL: PURLINS OR E.S. HAS NO DIRECT CONNECTION (SAME PLANE)**  
SE006X



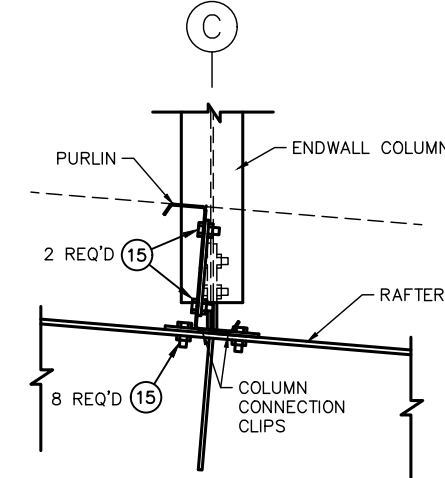
**DETAIL: PURLINS OR E.S. HAS NO DIRECT CONNECTION (ROOF SPLITS AT RIDGE)**  
SE006X



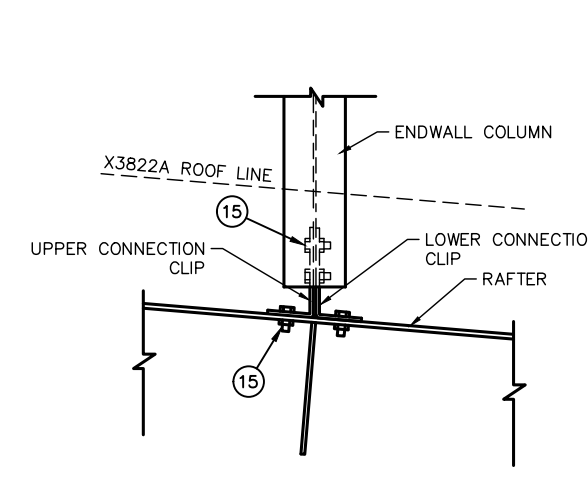
**DETAIL: PURLIN TO RIGID FRAME RAFTER AT END & FLANGE BRACE PLACEMENT**  
P006X



**DETAIL: PURLIN TO ENDWALL COLUMN AT STACKED FRAME AT LINE 23**



**DETAIL: PURLIN TO ENDWALL COLUMN AT STACKED FRAME AT LINE 23**



**DETAIL: ENDWALL COLUMN TO RIGID FRAME RAFTER AT STACKED FRAME AT LINE 23**

FASTENER SCHEDULE			
LOC.	PART NUMBER	DESCRIPTION	ABBREVIATIONS
(1)		AS NOTED ON RIGID FRAME ELEVATION	HD = HEAD
(2)	3228100	SCREW 1/4 X 3/4 FL-TP SD WW	SD = SELF DRILLING
(3)	3228084	SCREW 12 X 1 HWH SD NW	ST = SELF TAPPING
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW	SS = STAINLESS STEEL
(5)	3228103	SCREW 1/4 X 1 1/4 LG-LF SD WW	PT = POINT
(6)	3228093	SCREW 8 X 1 1/2 HWH SD NW	RD = ROUND
(7)	3228102	SCREW 12 X 2 FL-TP SD WW	WW = WITH WASHER
(8)	3188333	BOLT 1/2 X 2 HVHX A325 GALV & NUT (1328191)	NW = NO WASHER
(9)	3128193	BOLT 5/8 X 2 1/4 HVHX A325 GALV & NUT (1328195)	FLT = FLAT
(10)	3128187	BOLT 3/4 X 1 1/2 HVHX A325 GALV & NUT (1328192)	HVHX = HEAVY HEX
(11)	3128190	BOLT 3/4 X 2 1/2 HVHX A325 GALV & NUT (1328192)	UNPL = UNPLATED
(12)	3228100	SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	PLTD = PLATED
(13)	3228103	SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	HWH = HEX WASHER HEAD
(14)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	FL-TP = FLAT TOP
(15)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	LG-LF = LONG LIFE
(16)	3228084	SCREW 10 X 1 1/2 HWH WOODTITE WW	PHPS = PHILLIPS
(17)	3228132	SCREW 12 X 1 1/2 HWH SD #5 PT WW	

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

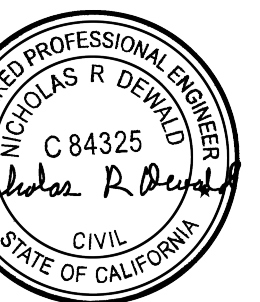
NOTES:

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- FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
- SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
- THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
- ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.

UNLESS OTHERWISE NOTED, CONNECTIONS BY THIS MANUFACTURER USING A-325 HIGH STRENGTH BOLTS ARE DESIGNED TO BE FASTENED USING THE "SNUG TIGHTENED" METHOD, AS DEFINED AND DESCRIBED IN THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS SPECIFICATION (RCSC, 6-23-2000), SECTION 4.1 "SNUG-TIGHTENED JOINTS" (REFERENCE SECTION 8.1).

SCALE : NONE	DRAWN BY L. MOORE	DATE 12/19/22
	CHECKED BY C. BENDA	DATE 12/19/22
	APPROVED BY NRD	DATE 12-20-22
	REVIEWED BY	DATE

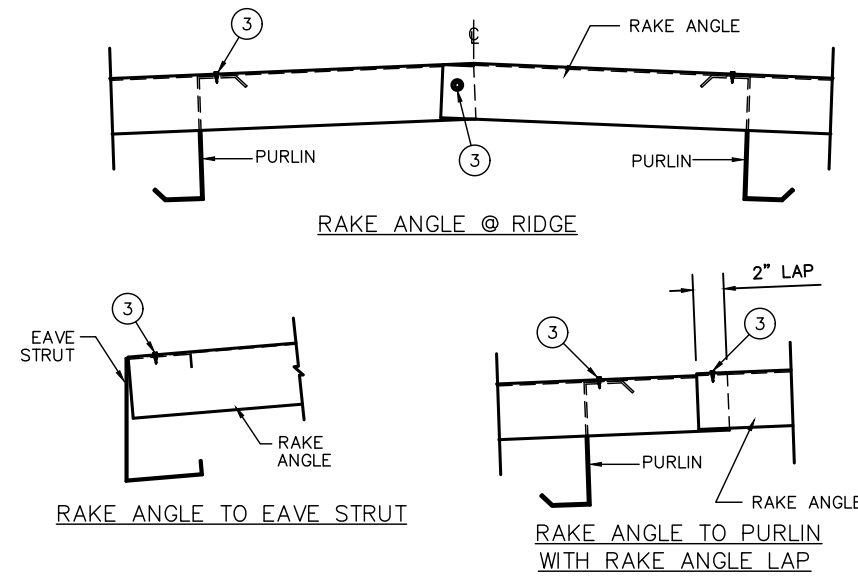
CHUCK MINYARD - DISTRIBUTION  
ADELANTO, CA 92301



EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

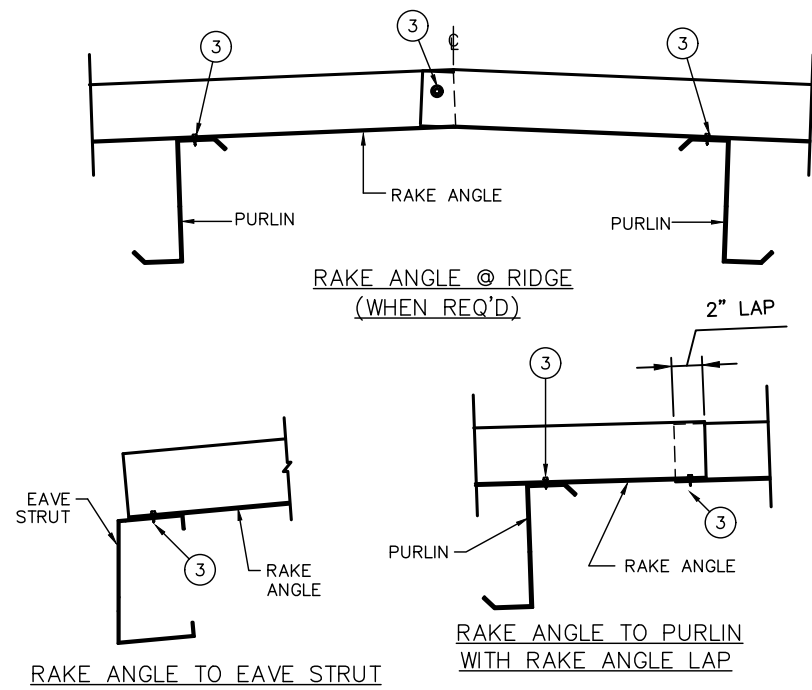
ERECTION DETAILS

JOB NO. X3820/21/22 SHT. 46 OF 55



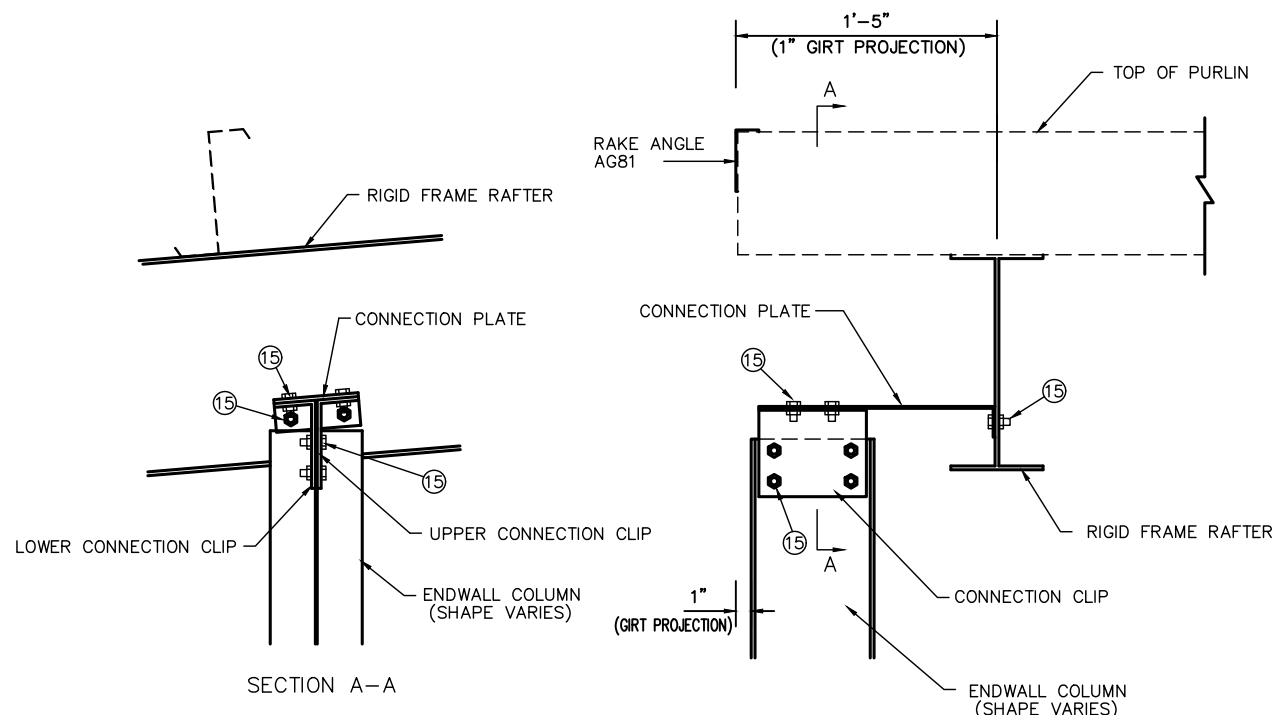
**DETAIL: RAKE ANGLE CONNECTIONS**

P021/P023/P024



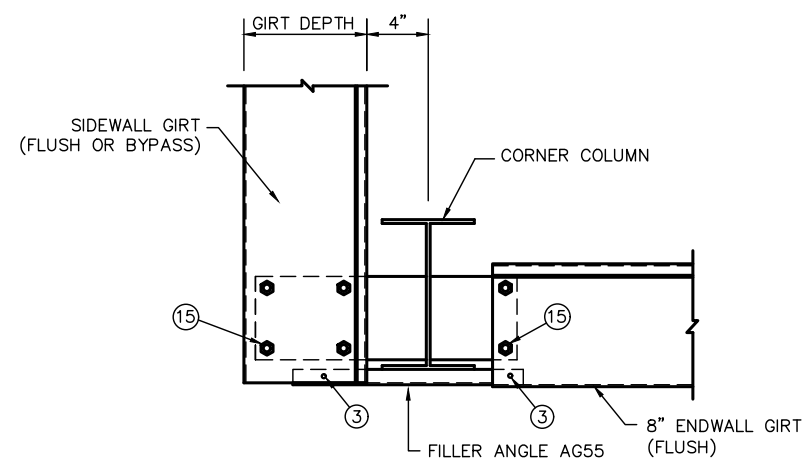
**DETAIL: RAKE ANGLE CONNECTIONS AT TALLER ADJACENT BUILDING**

P033X/P035X/P036X



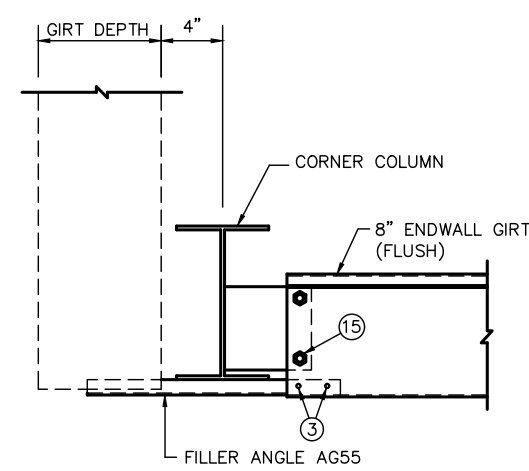
**DETAIL: ENDWALL COLUMN TO RIGID FRAME RAFTER**

AT LINES 1, 1.9, 2.9, & 8



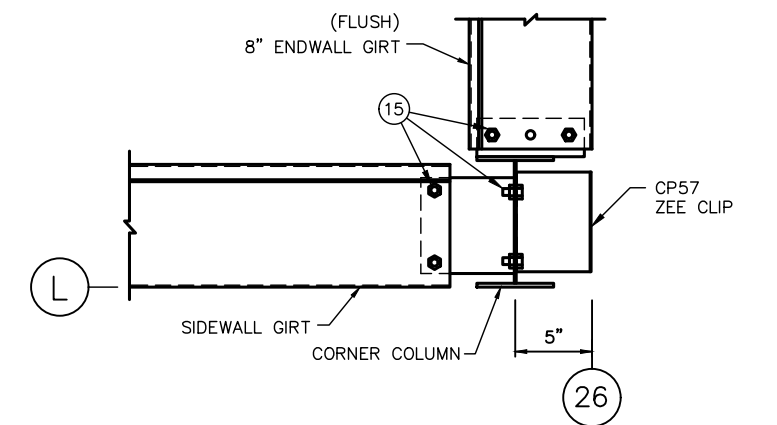
**DETAIL: GIRT CONNECTION @ CORNER**

G055



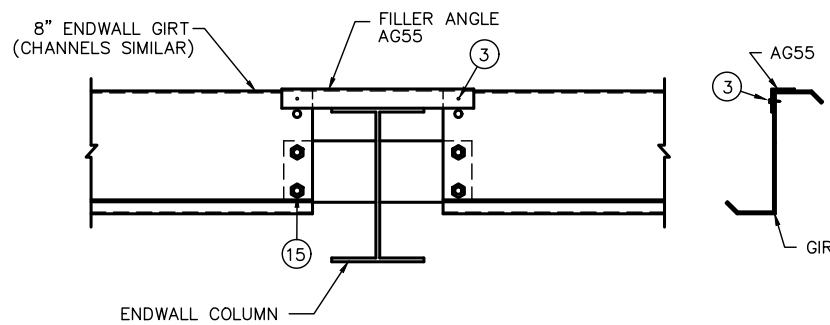
**DETAIL: GIRT CONNECTION @ CORNER**

G055A



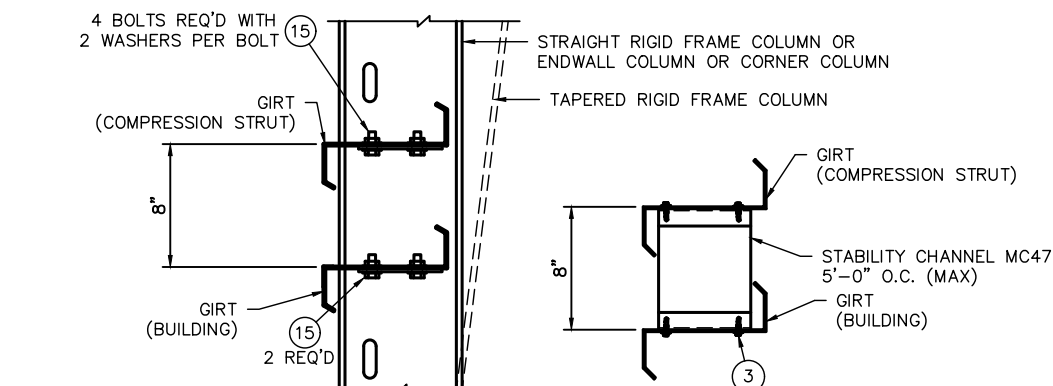
**DETAIL: GIRT CONNECTION @ CORNER W/ 0" GIRT PROJECTION**

G119X



**DETAIL: GIRT TO ENDWALL COLUMN W/ 1" GIRT PROJECTION**

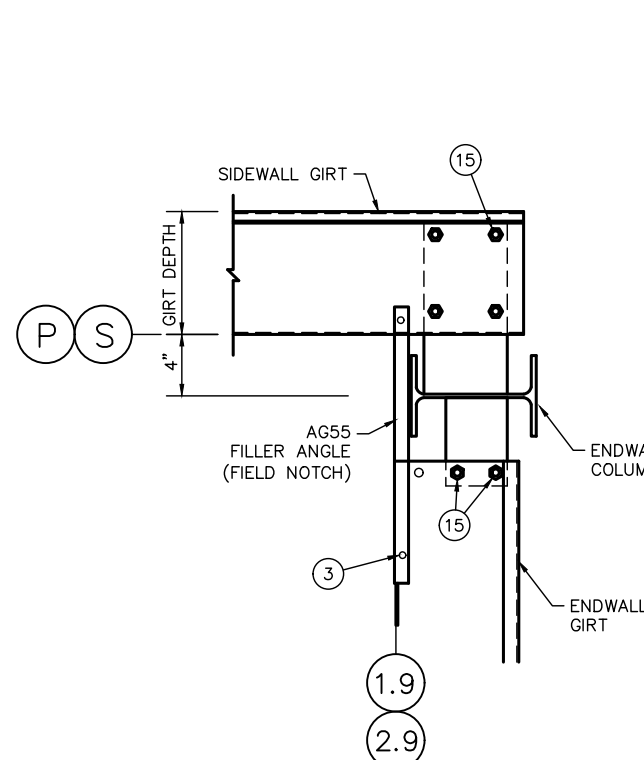
G017X



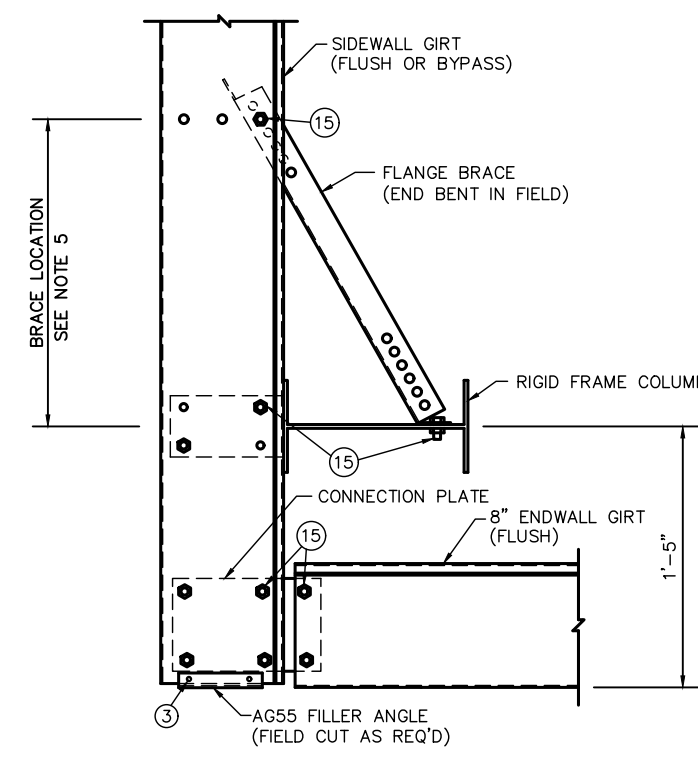
**DETAIL: COMPRESSION STRUT TO COLUMN (1" GIRT PROJECTION)**

W010X

NOTE: DO NOT ATTACH WALL SHEETING TO COMPRESSION STRUT

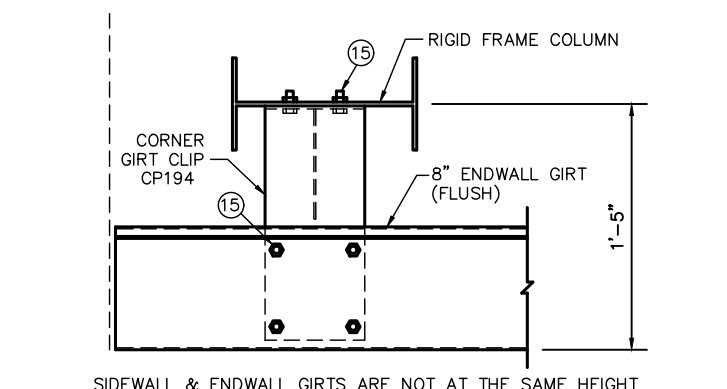


**DETAIL: GIRT CONNECTION AT INSIDE CORNER**



**DETAIL: GIRT CONNECTION @ CORNER**

G068



**DETAIL: GIRT CONNECTION @ CORNER**

G068A

SIDEWALL & ENDWALL GIRTS ARE NOT AT THE SAME HEIGHT

FASTENER SCHEDULE			
LOC.	PART NUMBER	DESCRIPTION	ABBREVIATIONS
(1)	AS NOTED ON RIGID FRAME ELEVATION		
(2)	5228100	SCREW 1/4 X 3/4 FL-TP SD WW	HD = HEAD
(3)	3228084	SCREW 12 X 1 HWH SD NW	SD = SELF DRILLING
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW	ST = SELF TAPPING
(5)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW	SS = STAINLESS STEEL
(6)	3228099	SCREW 8 X 1/2 HWH SD NW	PT = POINT
(7)	3228102	SCREW 12 X 2 FL-TP SD WW	RD = ROUND
(8)	3188333	BOLT 1/2 X 2 HWH A325 GALV & NUT (1328191)	WW = WITH WASHER
(9)	1328199	BOLT 5/8 X 2 1/4 HWH A325 GALV & NUT (1328195)	NW = NO WASHER
(10)	1328187	BOLT 3/4 X 1 1/2 HWH A325 GALV & NUT (1328192)	FLT = FLAT
(11)	1328190	BOLT 3/4 X 2 1/2 HWH A325 GALV & NUT (1328192)	HWX = HEAVY HEX
(12)	3228100	SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	UNPL = UNPLATED
(13)	3228103	SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	PLTD = PLATED
(14)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	HW = HEX WASHER HEAD
(15)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	FL-TP = FLAT TOP
(16)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW	LG-LF = LONG LIFE
(17)	3228138	SCREW 1/4 X 1 HWH SD NW	PHPS = PHILLIPS
(18)	3228126	SCREW 17 X 1 LG-LF ST WW	
(19)	896011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)	
(20)	8188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)	
(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW	
(22)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW	
(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW	
(24)	3228138	SCREW 1/4 X 1 HWH SD NW	
(25)	3208084	SCREW 10 X 1 1/2 HWH WOODTITE WW	
(26)	3228132	SCREW 12 X 1 1/2 HWH SD #5 PT WW	

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

NOTES:

- FOR SEQUENCE OF ERECTION - SEE APPLICABLE WALL PANEL ERECTION GUIDE.
- FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
- SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
- THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
- ATTACH FLANGE BRACE TO HOLE IN GIRTS WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.

UNLESS OTHERWISE NOTED, CONNECTIONS BY THIS MANUFACTURER USING A-325 HIGH STRENGTH BOLTS ARE DESIGNED TO BE FASTENED USING THE "SNUG TIGHTENED" METHOD, AS DEFINED AND DESCRIBED IN THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS SPECIFICATION (RCSC, 6-23-2000), SECTION 4.1 "SNUG-TIGHTENED JOINTS" (REFERENCE SECTION 8.1).

SCALE: NONE

DRAWN BY: L. MOORE DATE: 12/19/22

CHECKED BY: C. BENDA DATE: 12/19/22

APPROVED BY: NRD DATE: 12-20-22

REVIEWED BY: DATE:

CHUCK MINYARD - DISTRIBUTION  
ADELANTO, CA 92301

EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

ERECTOR DETAILS

JOB NO. X3820/21/22 SHT. OF 47 55



**OSHA GIRT CONNECTION REQUIREMENTS**

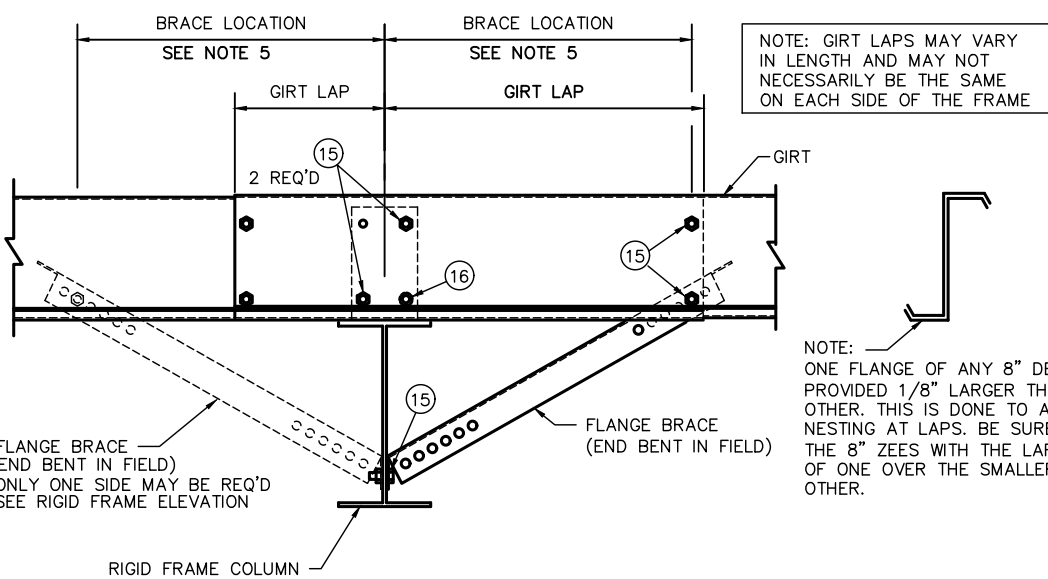
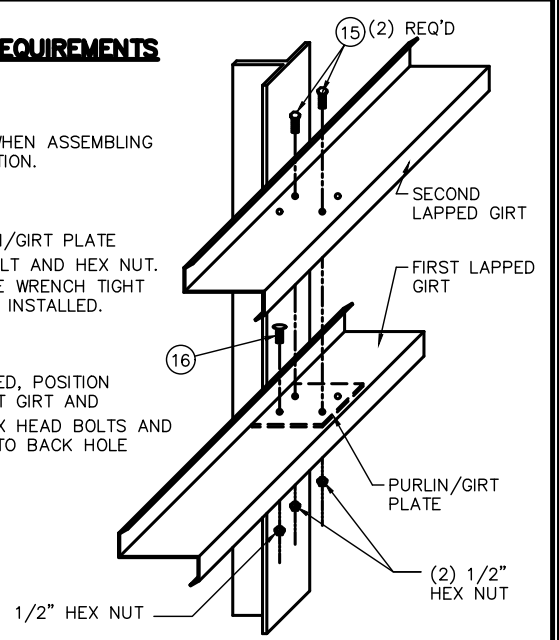
USE THE FOLLOWING PROCEDURE WHEN ASSEMBLING A LAPPED BY-PASS GIRT CONNECTION.

**STEP NO. 1**

ATTACH FIRST GIRT TO THE PURLIN/GIRT PLATE WITH A (8) 1/2"x1" FLAT HEAD BOLT AND HEX NUT. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE SECOND GIRT BEING INSTALLED.

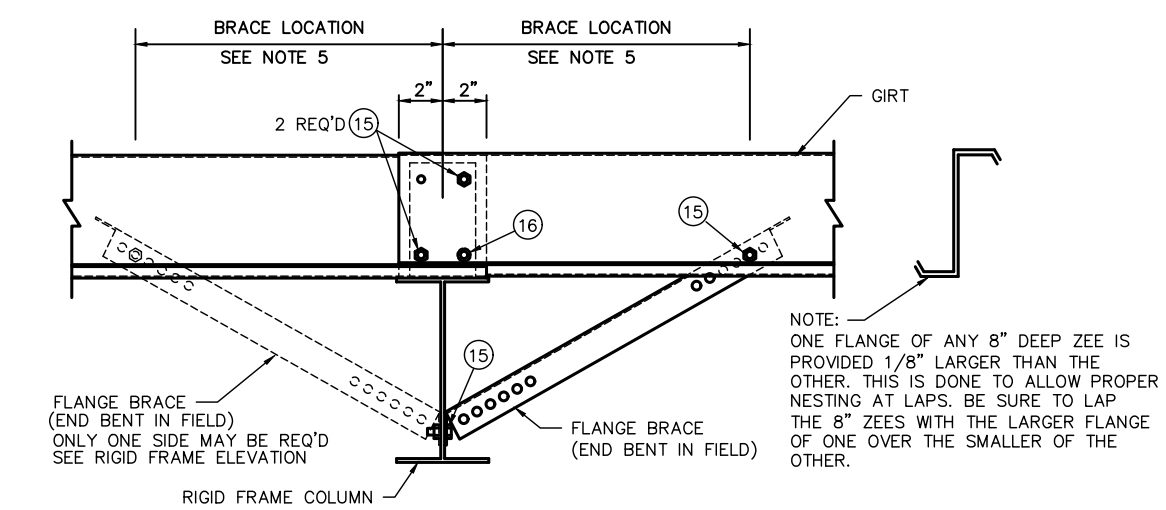
**STEP NO. 2**

LEAVING FLAT HEAD BOLT INSTALLED, POSITION HOLES IN SECOND GIRT OVER FIRST GIRT AND INSTALL TWO (15) 1/2"x 1 1/4" HEX HEAD BOLTS AND HEX NUTS IN A DIAGONAL FRONT TO BACK HOLE PATTERN.



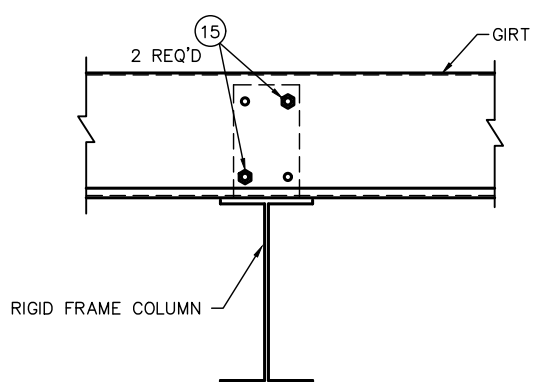
**DETAIL: GIRT CONNECTION W/ LAP & FLANGE BRACE PLACEMENT**

6001

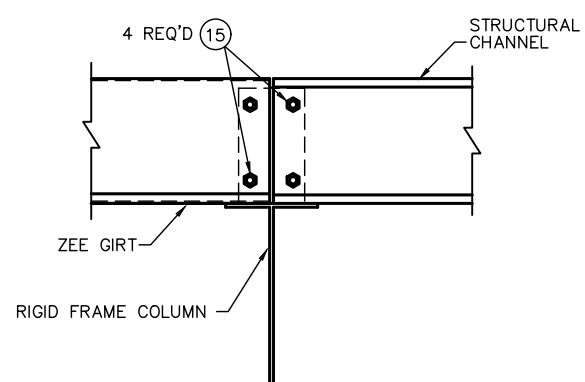


**DETAIL: GIRT CONNECTION & FLANGE BRACE PLACEMENT (SIMPLE SPAN)**

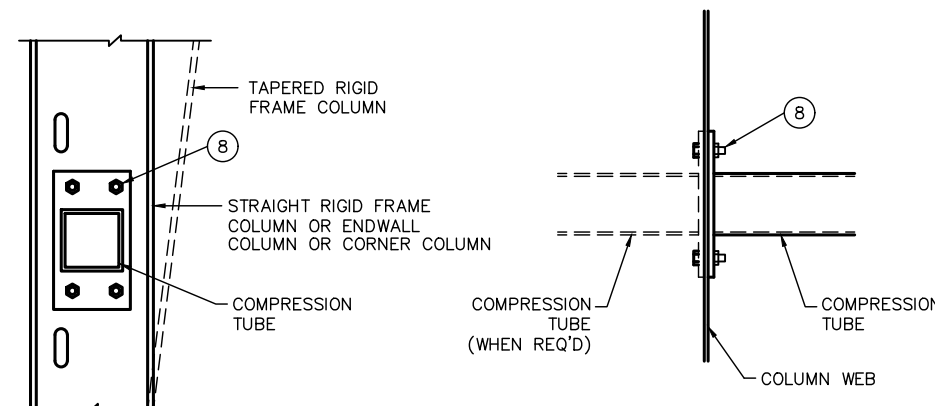
6003x



**DETAIL: GIRT TO COLUMN (BY-PASS W/ NO LAP)**

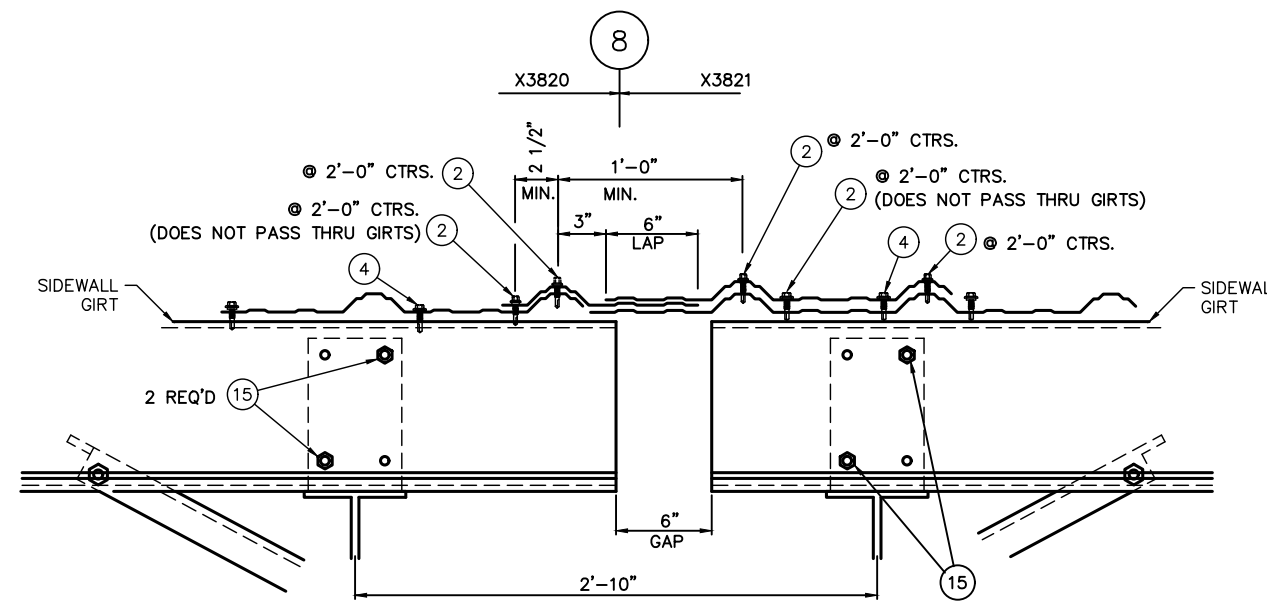


**DETAIL: GIRT TO COLUMN (BY-PASS) (ZEE ABUTS CHANNEL)**



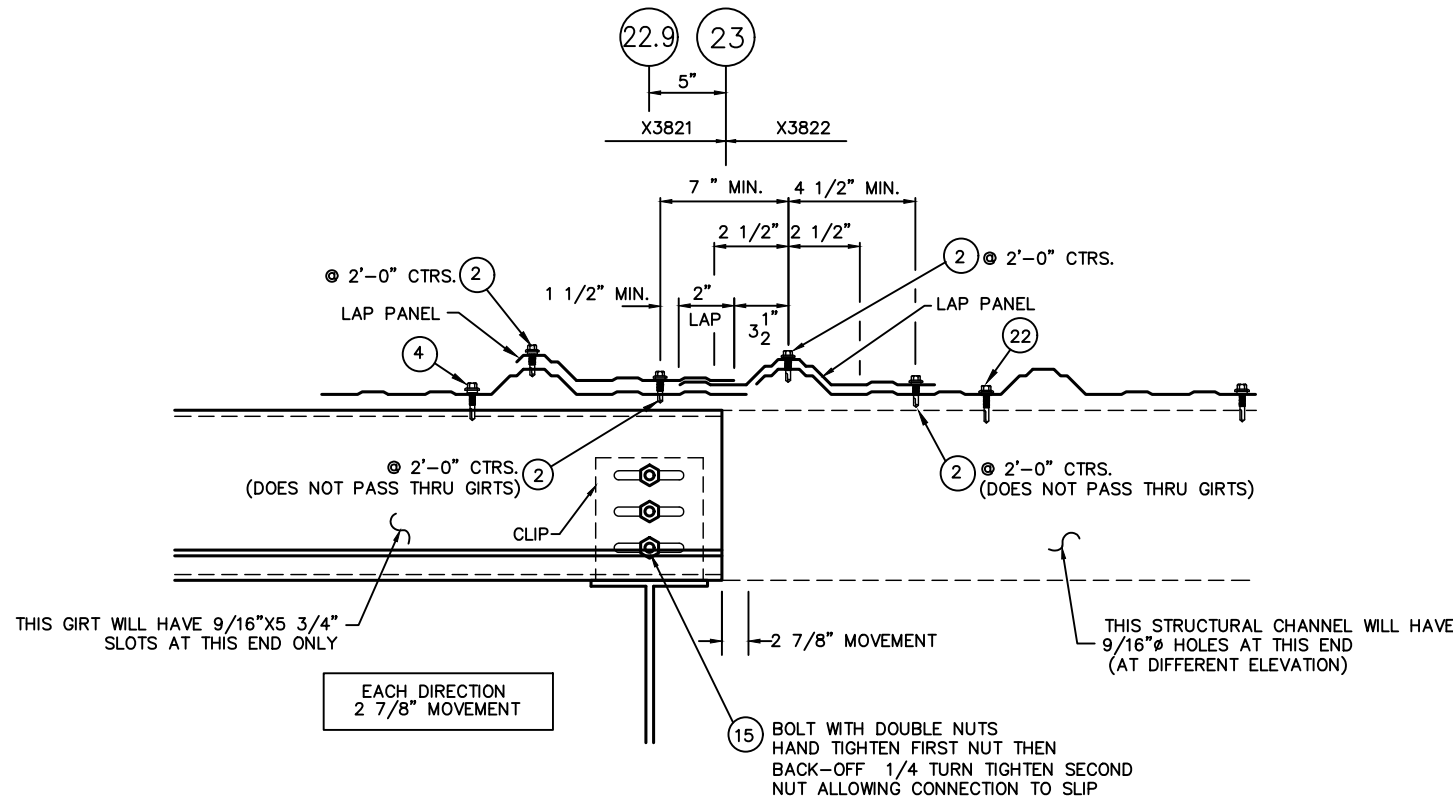
**DETAIL: COMPRESSION TUBE TO COLUMN**

W012x



**DETAIL: EXPANSION OF TWO ADJACENT FRAME LINE w/ADP1 WALL PANEL & BY-PASS GIRTS**

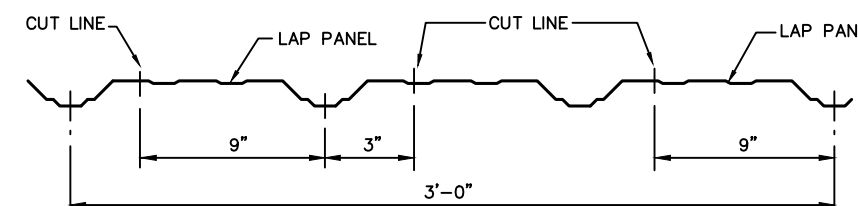
AE006x



**DETAIL: ADP-1 WALL PANEL EXPANSION JOINT (BY-PASS GIRT)**

AE001x

SEE SPECIAL BOLT CALLOUT (5) ON SHEET 40 FOR LOCATIONS REQUIRING BOLTS WITH DOUBLE NUTS.



**DETAIL: FIELD CUTTING ADP-1 LAP PANEL**

AE002x

**FASTENER SCHEDULE**

LOC. PART NUMBER	DESCRIPTION	LOC. PART NUMBER	DESCRIPTION	ABBREVIATIONS
(1)	AS NOTED ON RIGID FRAME ELEVATION	(14)	3228087 SCREW 12 X 1 1/4 HWH SD #5 PT NW	HD = HEAD
(2)	5228100 SCREW 1/4 X 3/4 FL-TP SD WW	(15)	1328193 BOLT 1/2 X 1 1/2 HVHX A325T GALV & NUT (1328191)	SD = SELF DRILLING
(3)	3228084 SCREW 12 X 1 HWH SD NW	(16)	3208170 BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)	ST = SELF TAPPING
(4)	3228101 SCREW 12 X 1 1/4 FL-TP SD WW	(17)	3228102 SCREW 12 X 2 FL-TP SD WW	SS = STAINLESS STEEL
(5)	3228103 SCREW 1/4 X 1 1/4 LG-LF SD WW	(19)	896011 BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)	PT = POINT
(6)	3228093 SCREW 8 X 1/2 HWH SD NW	(20)	8188003 BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)	RD = ROUND
(8)	3188333 BOLT 1/2 X 2 HVHX A325T GALV & NUT (1328191)	(21)	3228122 SCREW 1/4 X 1 1/2 HWH SD NW	WW = WITH WASHER
(9)	1328193 BOLT 5/8 X 2 1/4 HVHX A325T GALV & NUT (1328195)	(22)	SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING	NW = NO WASHER
(10)	1328187 BOLT 3/4 X 1 1/2 HVHX A325T GALV & NUT (1328192)	(23)	SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING	FLT = FLAT
(11)	1328190 BOLT 3/4 X 2 1/2 HVHX A325T GALV & NUT (1328192)	(24)	3228124 SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW	HNPL = HEAVY HEX UNPLATED
(12)	3228100 SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	(25)	3228126 SCREW 17 X 1 LG-LF ST WW	PLTD = PLATED
(13)	3228103 SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	(26)	3228138 SCREW 1/4 X 1 HWH SD NW	HWH = HEX WASHER HEAD
(14)	3228101 SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	(27)	3208084 SCREW 10 X 1 1/2 HWH WOODTITE WW	FL-TP = FLAT TOP
(15)	3228103 SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	(28)	3228132 SCREW 12 X 1 1/2 HWH SD #5 PT WW	LG-LF = LONG LIFE
				PHPS = PHILLIPS

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

- NOTES:
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  - FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
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  - THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9'-8", 2'-5" OR 3'-9") IS TO BE USED.
  - ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.

SCALE: NONE	DRAWN BY: L. MOORE	DATE: 12/19/22
	CHECKED BY: C. BENDA	DATE: 12/19/22
	APPROVED BY: NRD	DATE: 12-20-22
	REVIEWED BY:	DATE:

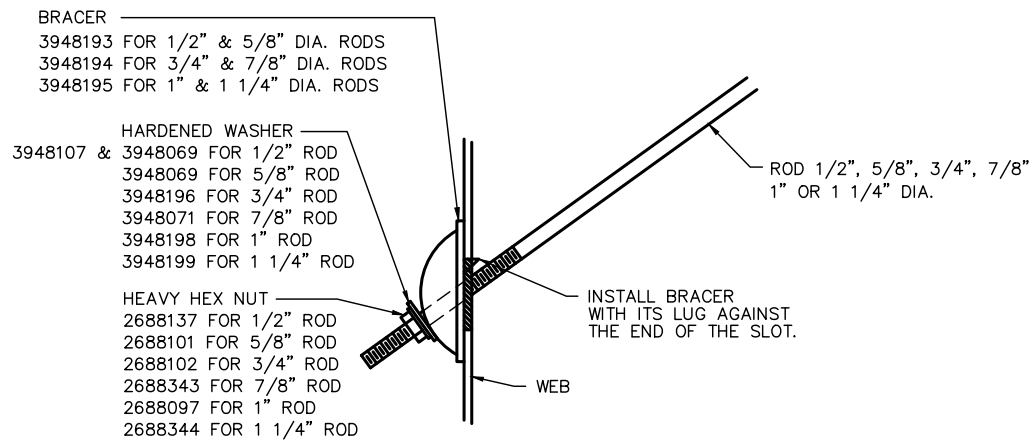
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ADELANTO, CA 92301

ERECTION DETAILS

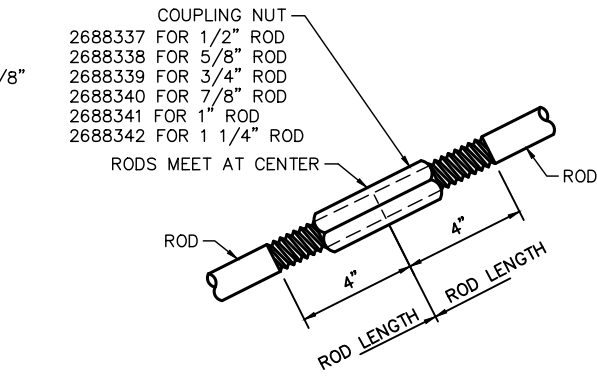


EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

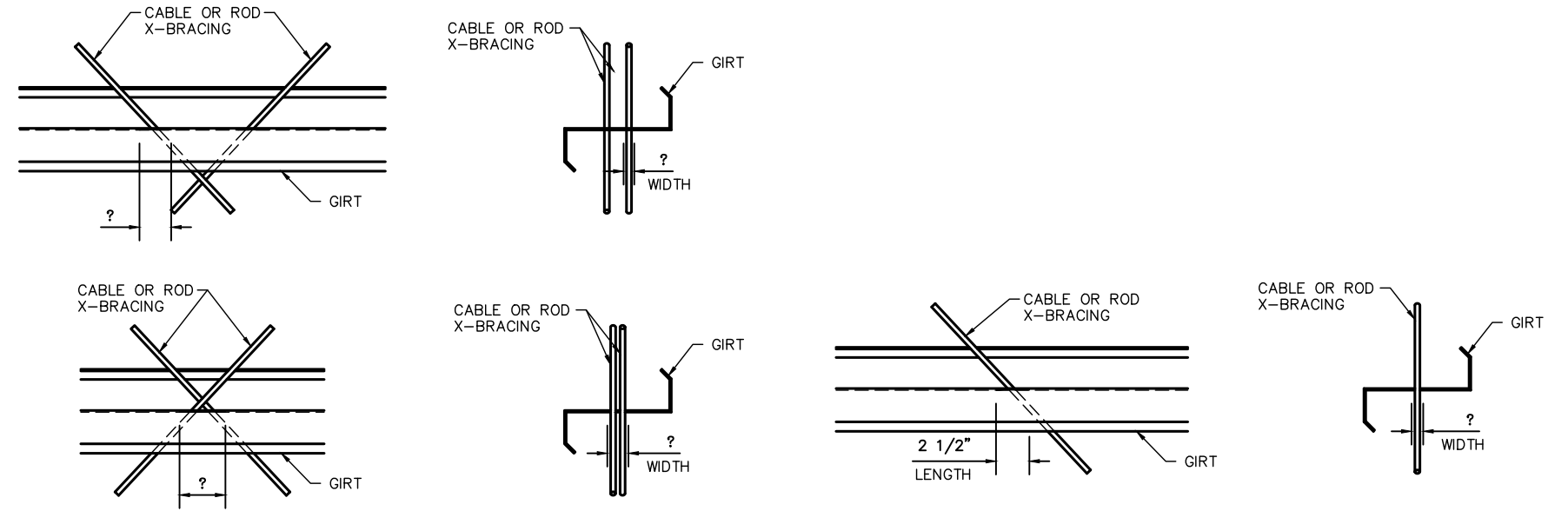
JOB NO. X3820/21/22 SHT. OF 48 55



**DETAIL : WIND BRACING**  
 W060

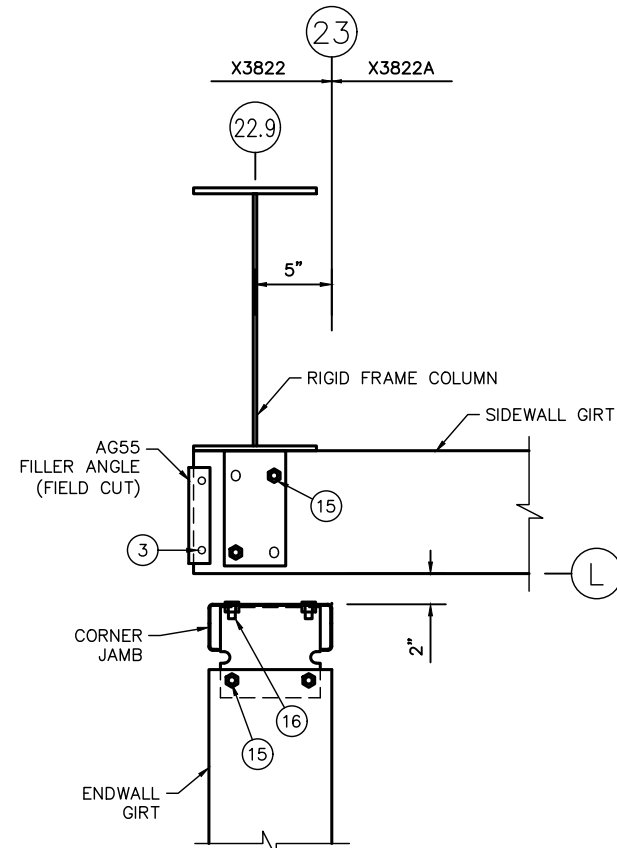


**DETAIL: WIND BRACING - ROD SPLICING**  
 W061

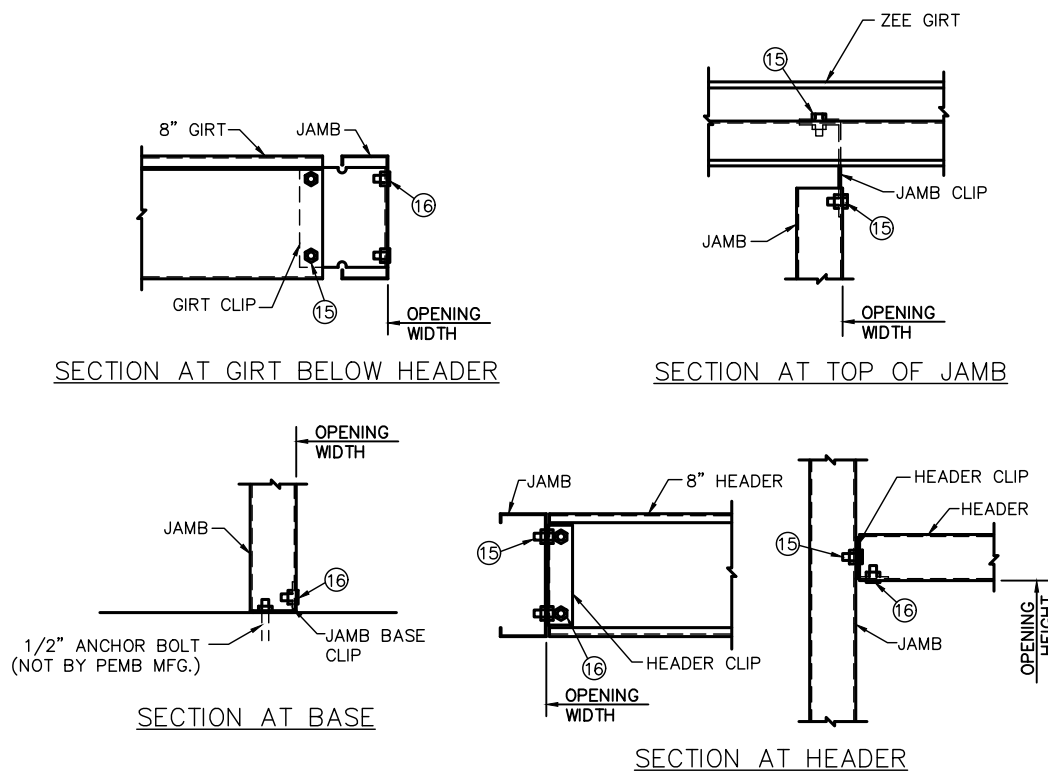


**DETAIL : FIELD CUTTING SLOT IN GIRTS**  
 G112

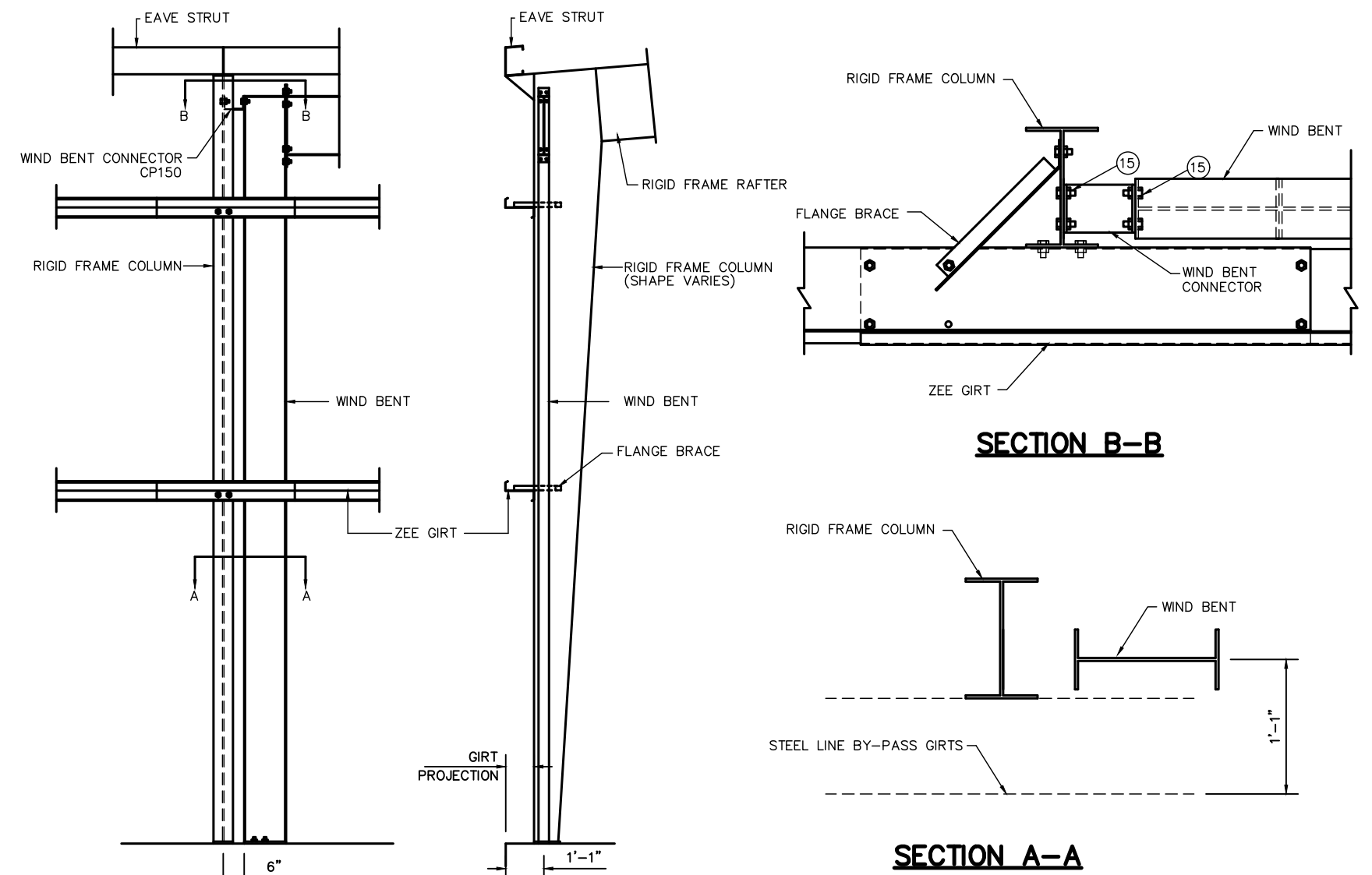
**DETAIL : FIELD CUTTING SLOT IN GIRTS**  
 G111



**DETAIL: GIRT CONNECTION AT INSIDE CORNER W/ SEISMIC SEPARATION**



IF JAMB IS FIELD LOCATED, FIELD CUTTING & DRILLING IS REQ'D  
**DETAIL: CORNER JAMB CONNECTIONS AT INSIDE CORNER SEISMIC SEPARATION**



**WIND BENT AT RIGID FRAME COLUMN W/ BY-PASS GIRTS W/ 2 BOLT STANDARD WIND BENT CONNECTOR**  
 AT LINE A (X3822A)

LOC.	PART NUMBER	DESCRIPTION	LOC.	PART NUMBER	DESCRIPTION	ABBREVIATIONS
(1)		AS NOTED ON RIGID FRAME ELEVATION	(14)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW	HD = HEAD
(2)	5228100	SCREW 1/4 X 3/4 FL-TP SD WW	(15)	1328193	BOLT 1/2 X 1 1/2 HVHX A325T GALV & NUT (1328191)	SD = SELF DRILLING
(3)	3228084	SCREW 12 X 1 HWH SD NW	(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)	ST = SELF TAPPING
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW	(17)	3228102	SCREW 12 X 2 FL-TP SD WW	SS = STAINLESS STEEL
(5)	3228103	SCREW 1/4 X 1 1/4 LG-LF SD WW	(19)	896011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)	PT = POINT
(6)	3228093	SCREW 8 X 1/2 HWH SD NW	(20)	8188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)	RD = ROUND
(8)	3188333	BOLT 1/2 X 2 HVHX A325T GALV & NUT (1328191)	(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW	WW = WITH WASHER
(9)	1328199	BOLT 5/8 X 2 1/4 HVHX A325T GALV & NUT (1328195)	(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING	NW = NO WASHER
(10)	1328187	BOLT 3/4 X 1 1/2 HVHX A325T GALV & NUT (1328192)	(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW	FLT = FLAT
(11)	1328190	BOLT 3/4 X 2 1/2 HVHX A325T GALV & NUT (1328192)	(24)	3228138	SCREW 1/4 X 1 HWH SD NW	HVHX = HEAVY HEX UNPLD
(12)	3228100	SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	(25)	3228126	SCREW 17 X 1 LG-LF ST WW	PLTD = PLATED
(13)	3228103	SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	(26)	3208084	SCREW 10 X 1 1/2 HWH WOODTITE WW	HWH = HEX WASHER HEAD
(14)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	(27)	3228132	SCREW 12 X 1 1/2 HWH SD #5 PT WW	FL-TP = FLAT TOP LONG LIFE
(15)	3228103	SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	(28)			PHPS = PHILLIPS

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

NOTES:

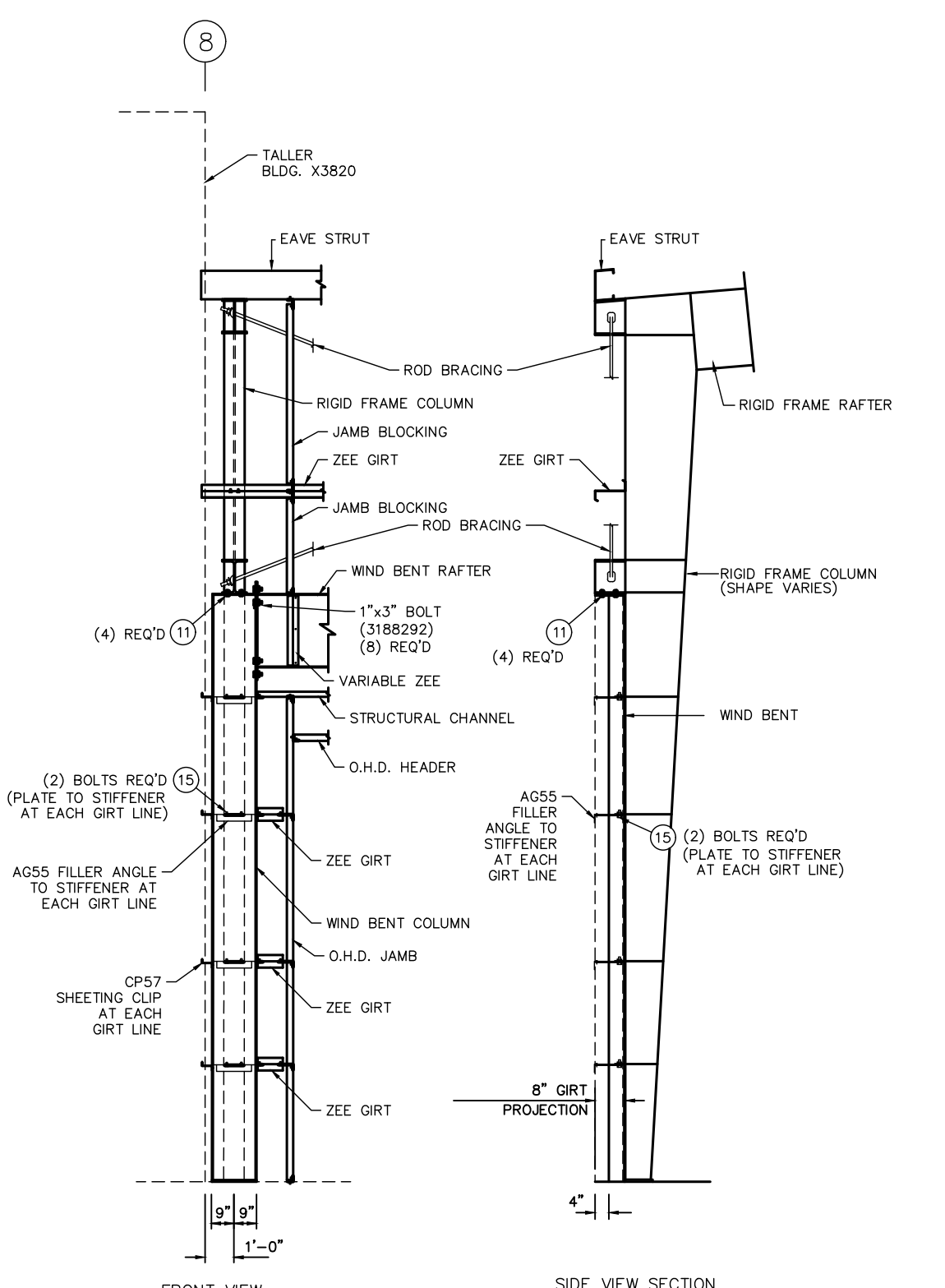
- FOR SEQUENCE OF ERECTION - SEE APPLICABLE WALL PANEL ERECTION GUIDE.
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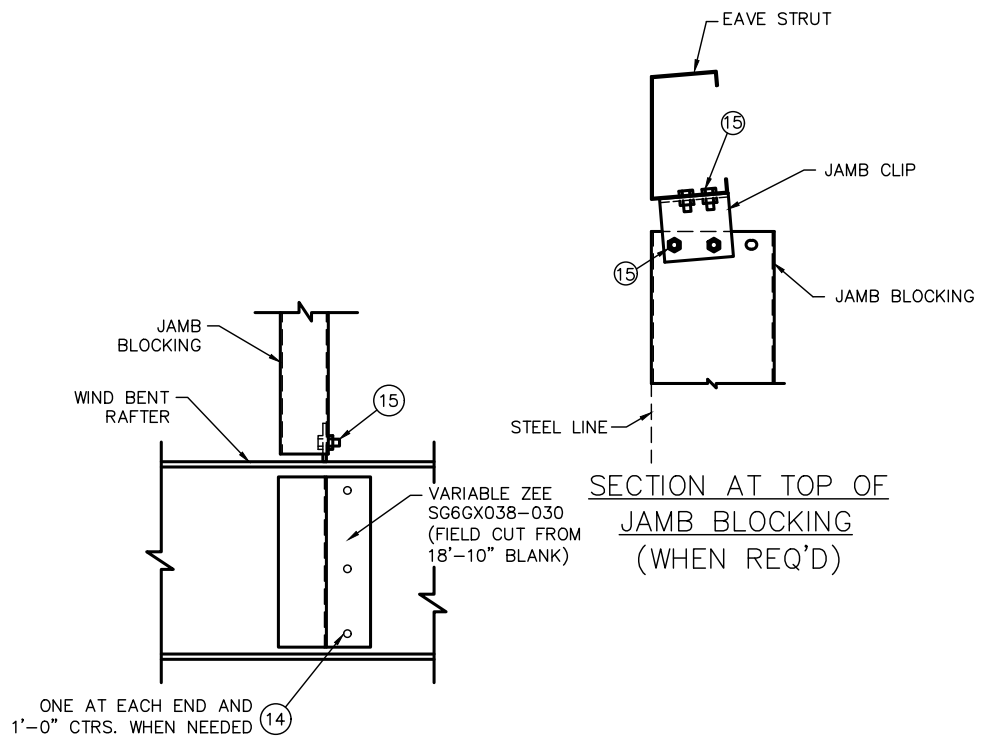
SCALE : NONE	DRAWN BY L. MOORE	DATE 12/19/22
	CHECKED BY C. BENDA	DATE 12/19/22
	APPROVED BY NRD	DATE 12-20-22
	REVIEWED BY	DATE

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 ERECTION DETAILS

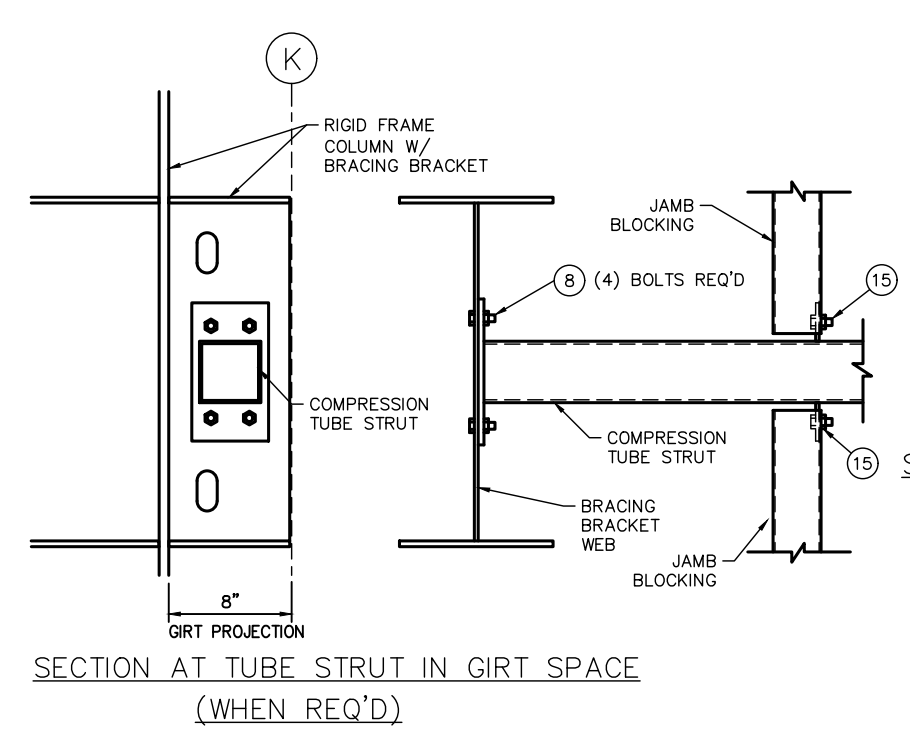




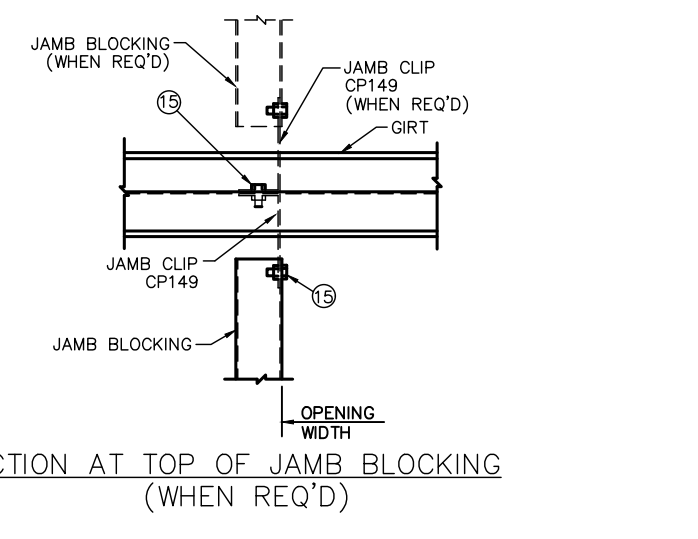
**WIND BENT AT RIGID FRAME COLUMN IN THE GIRT SPACE AT CORNER AT LINE K (X3821)**



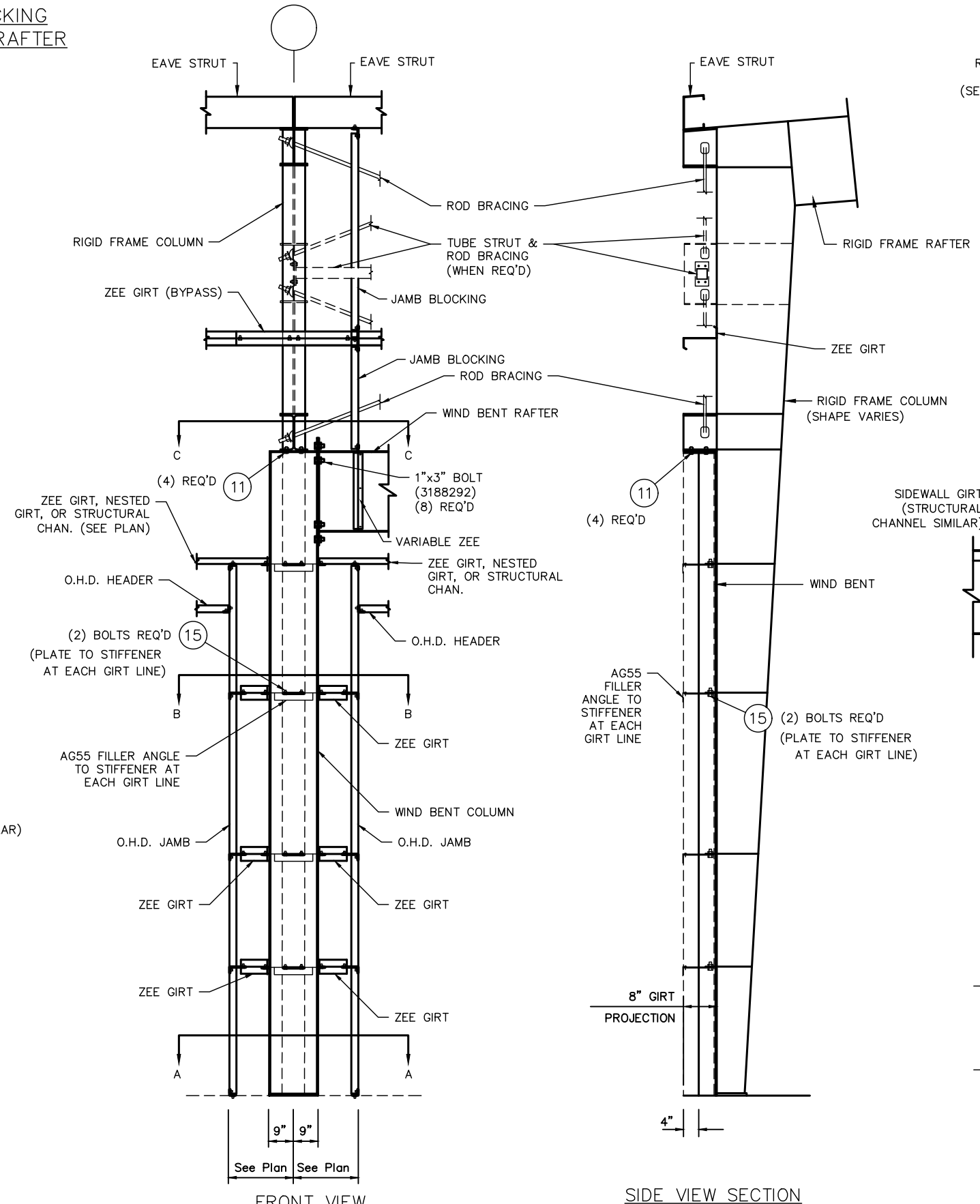
**SECTION AT JAMB BLOCKING TO TOP OF WIND BENT RAFTER**



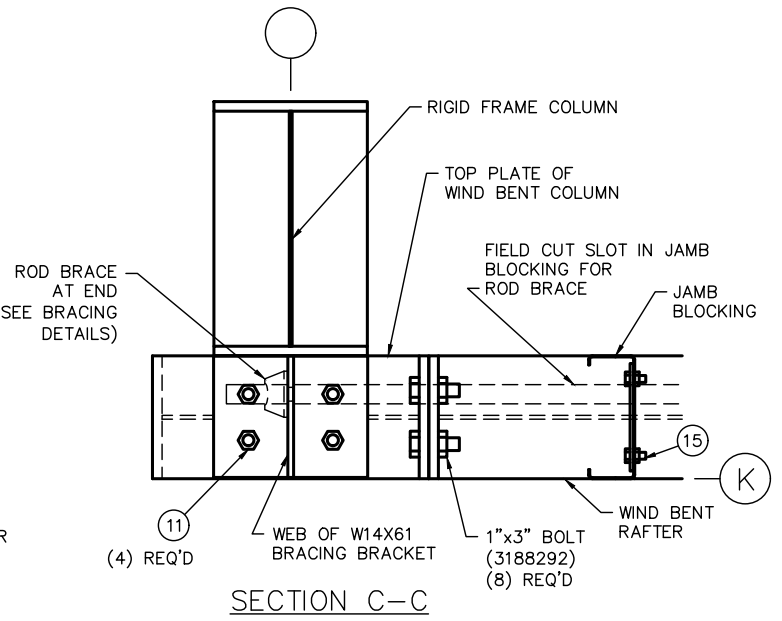
**SECTION AT TUBE STRUT IN GIRT SPACE (WHEN REQ'D)**



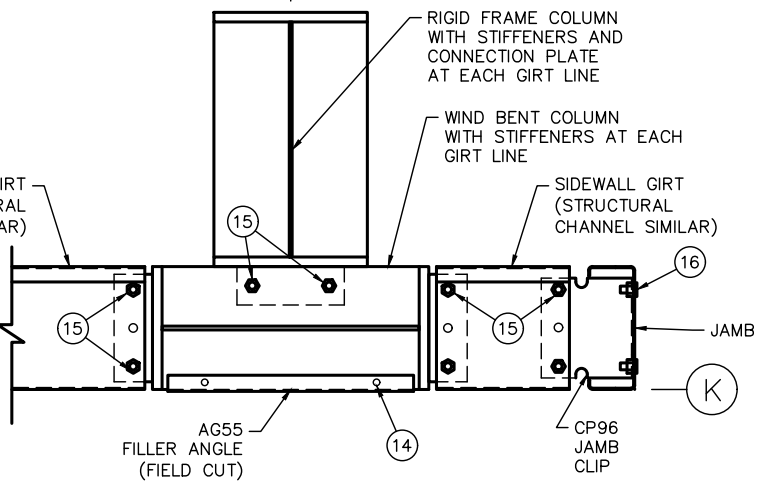
**SECTION AT TOP OF JAMB BLOCKING (WHEN REQ'D)**



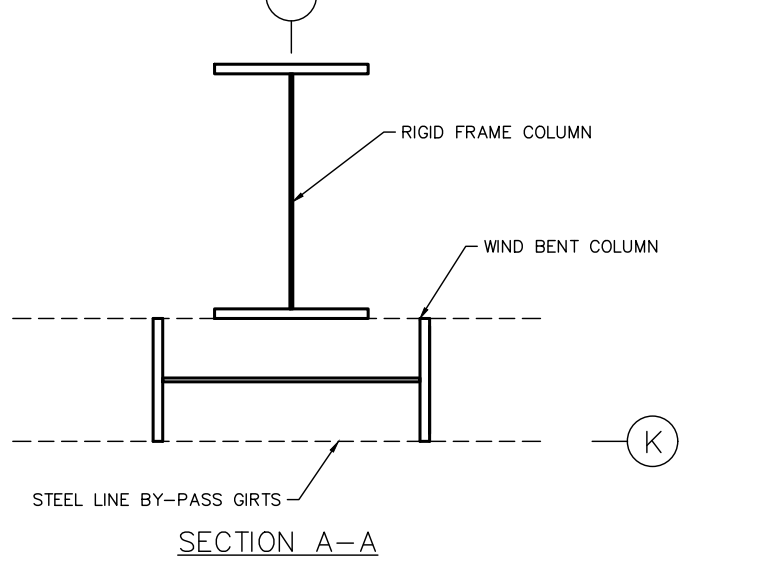
**WIND BENT AT RIGID FRAME COLUMN IN THE GIRT SPACE AT LINE K (X3821)**



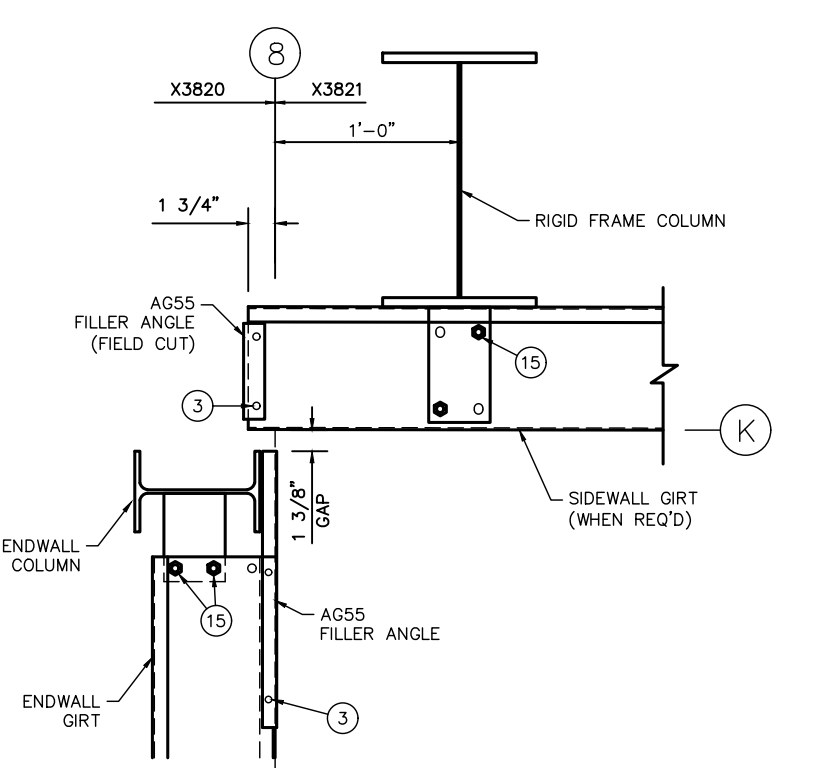
**SECTION C-C**



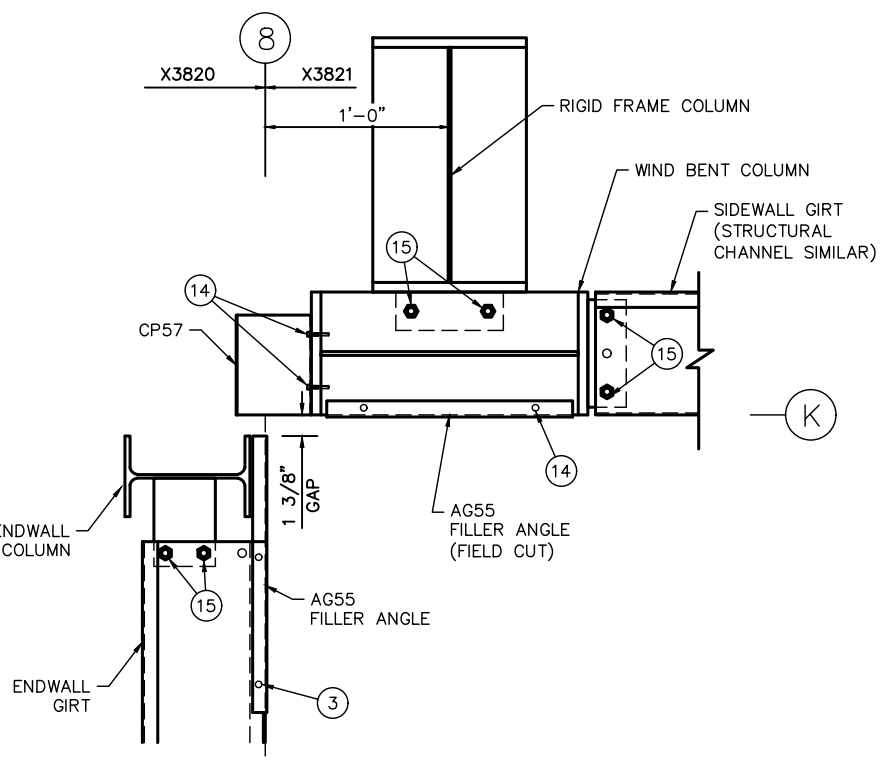
**SECTION B-B**



**SECTION A-A**



**DETAIL: GIRT CONNECTION AT INSIDE CORNER W/ SEISMIC SEPARATION**



**DETAIL: GIRT CONNECTION AT INSIDE CORNER W/ SEISMIC SEPARATION & WIND BENT IN THE GIRT SPACE**

FASTENER SCHEDULE			
LOC.	PART NUMBER	DESCRIPTION	ABBREVIATIONS
(1)	AS NOTED ON RIGID FRAME ELEVATION		
(2)	5228100	SCREW 1/4 X 3/4 FL-TP SD WW	HD = HEAD
(3)	3228084	SCREW 12 X 1 HWH SD NW	SD = SELF DRILLING
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW	ST = SELF TAPPING
(5)	3228103	SCREW 1/4 X 1 1/4 LG-LF SD WW	SS = STAINLESS STEEL
(6)	3228099	SCREW 8 X 1/2 HWH SD NW	PT = POINT
(7)	3228102	SCREW 12 X 2 FL-TP SD WW	RD = ROUND
(8)	3188333	BOLT 1/2 X 2 HVHX A325 GALV & NUT (1328191)	WW = WITH WASHER
(9)	1328199	BOLT 5/8 X 2 1/4 HVHX A325 GALV & NUT (1328195)	NW = NO WASHER
(10)	1328187	BOLT 3/4 X 1 1/2 HVHX A325 GALV & NUT (1328192)	FLT = FLAT
(11)	1328190	BOLT 3/4 X 2 1/2 HVHX A325 GALV & NUT (1328192)	HWX = HEAVY HEX
(12)	3228100	SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	UNPL = UNPLATED
(13)	3228103	SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	PLTD = PLATED
(14)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	HW = HEX WASHER HEAD
(15)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	FL-TP = FLAT TOP LONG LIFE
			PHPS = PHILLIPS

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

NOTES:

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- FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
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SCALE: NONE

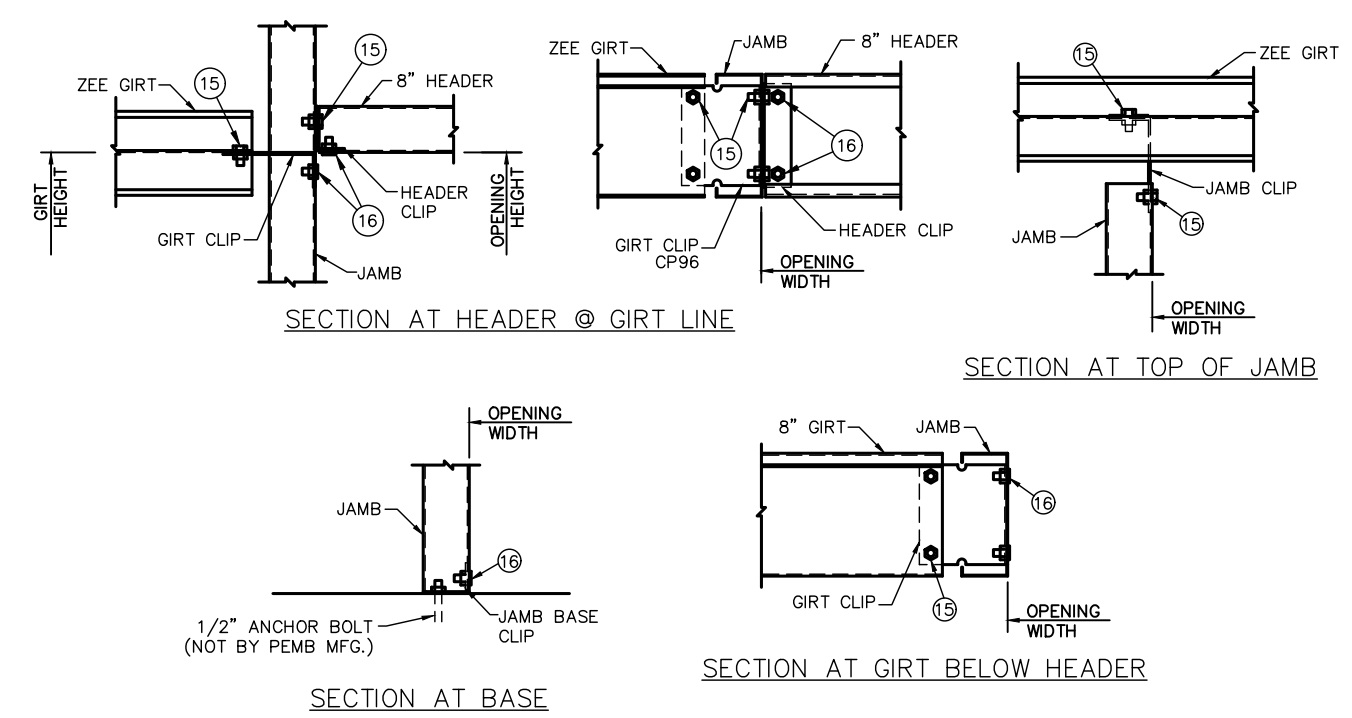
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 CHECKED BY: C. BENDA DATE: 12/19/22  
 APPROVED BY: NRD DATE: 12-21-22  
 REVIEWED BY: DATE:

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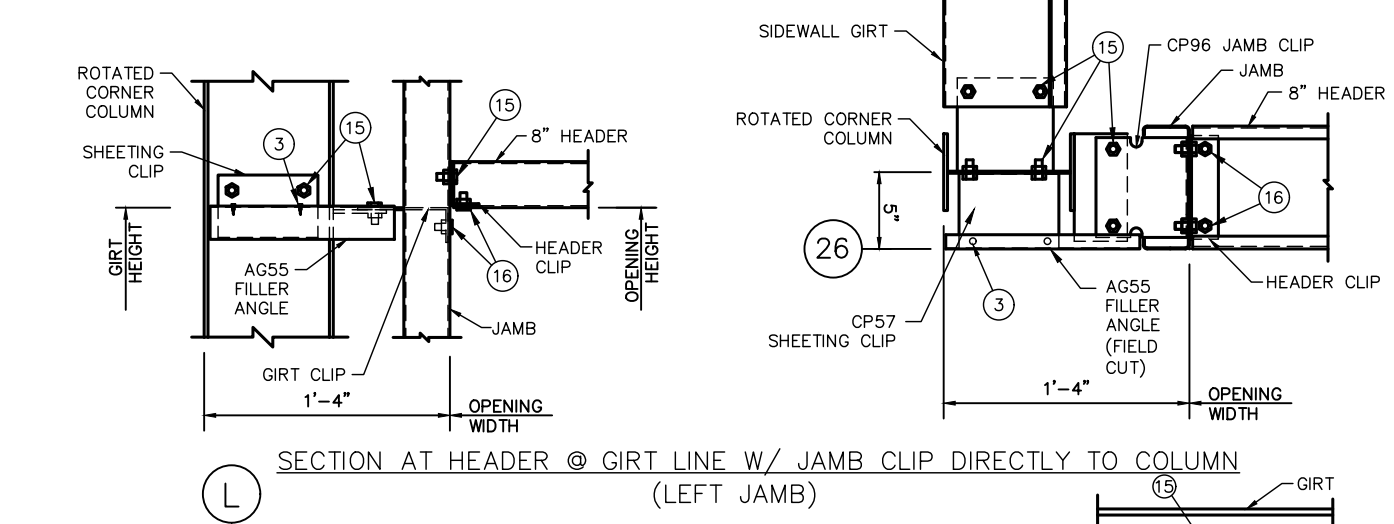
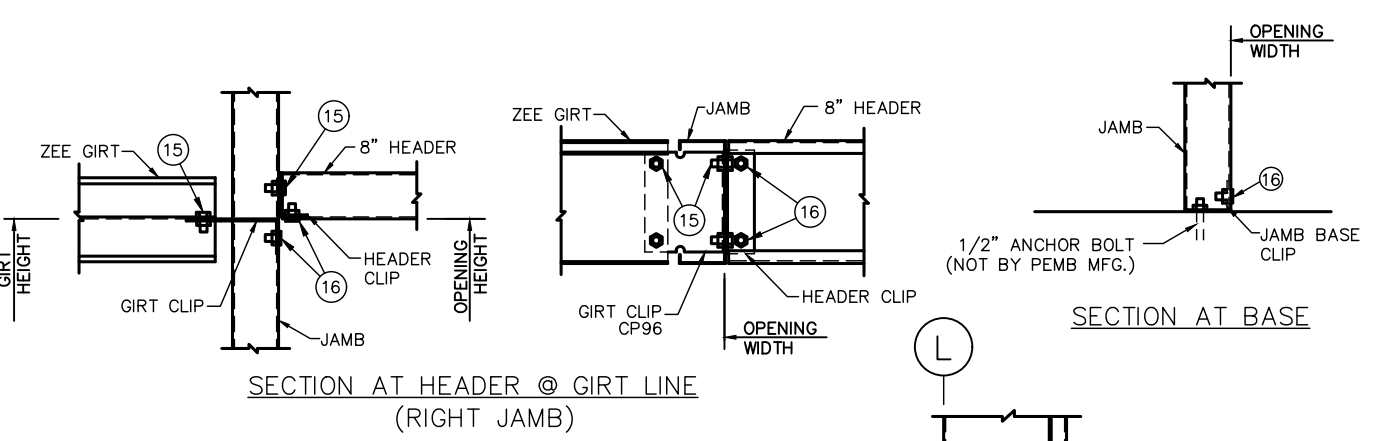
ERECTOR DETAILS

JOB NO. X3820/21/22 SHT. OF 50 55

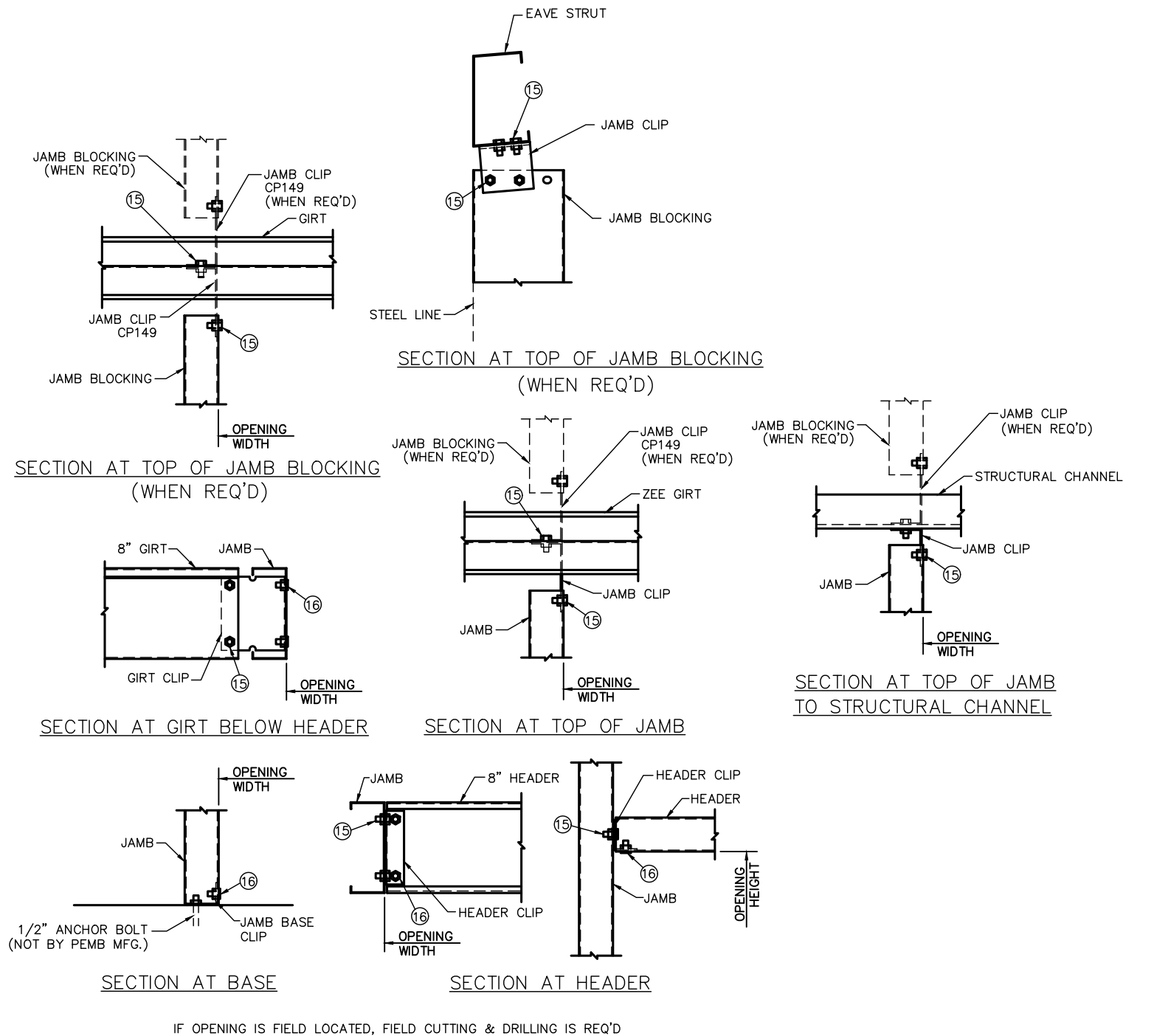




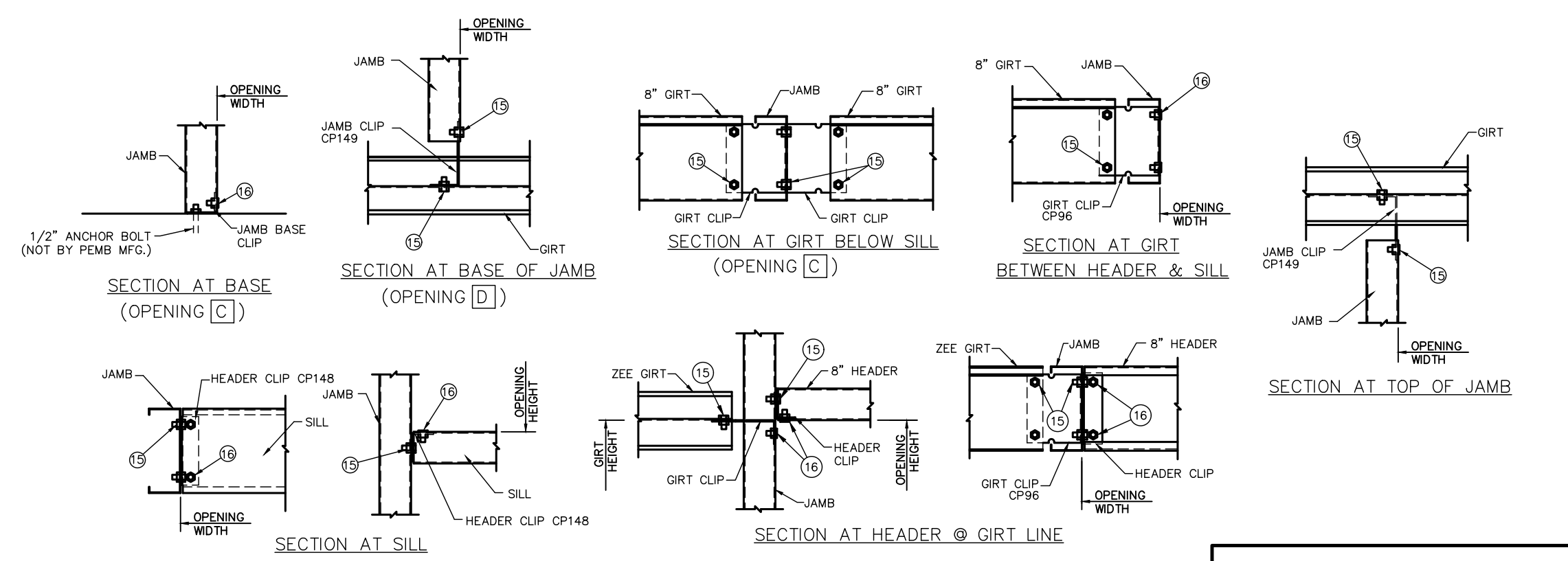
**DETAIL: FRAMED OPNG IN SIDEWALL (TYPE 1 JAMB) W/ HEADER AT GIRT LINE (OPENING [A])**



**DETAIL: FRAMED OPNG IN SIDEWALL (TYPE 1 JAMB) W/ HEADER AT GIRT LINE W/ LEFT JAMB NEAR ROTATED CORNER COLUMN (OPENING [B])**



**DETAIL: FRAMED OPENING IN SIDEWALL (TYPE 1 JAMB) (OPENINGS [C] & [D])**



**DETAIL: 8" FRAMED OPENING W/ SILL (BETWEEN GIRTS) (OPENINGS [C] & [D])**

FASTENER SCHEDULE			
LOC.	PART NUMBER	DESCRIPTION	ABBREVIATIONS
(1)	AS NOTED ON RIGID FRAME ELEVATION		
(2)	3228100	SCREW 1/4 X 3/4 FL-TP SD WW	HD = HEAD
(3)	3228084	SCREW 12 X 1 HWH SD NW	SD = SELF DRILLING
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW	ST = SELF TAPPING
(5)	3228103	SCREW 1/4 X 1 1/4 LG-LF SD WW	SS = STAINLESS STEEL
(6)	3228099	SCREW 8 X 1/2 HWH SD NW	PT = POINT
(7)	3228102	SCREW 12 X 2 FL-TP SD WW	RD = ROUND
(8)	3188333	BOLT 1/2 X 2 HWHX A325T GALV & NUT (1328191)	WW = WITH WASHER
(9)	3128193	BOLT 5/8 X 2 1/4 HWHX A325T GALV & NUT (1328195)	NW = NO WASHER
(10)	3128187	BOLT 3/4 X 1 1/2 HWHX A325T GALV & NUT (1328192)	FLT = FLAT
(11)	3128190	BOLT 3/4 X 2 1/2 HWHX A325T GALV & NUT (1328192)	UNPL = UNPLATED
(12)	3228100	SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	PLTD = PLATED
(13)	3228103	SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	HWH = HEX WASHER HEAD
(14)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	FL-TP = FLAT TOP
(15)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	LG-LF = LONG LIFE
(16)	3228102	SCREW 12 X 2 FL-TP SD WW	PHPS = PHILLIPS
(17)	3228104	SCREW 10 X 1 1/2 HWH WOODTITE WW	
(18)	3228132	SCREW 12 X 1 1/2 HWH SD #5 PT NW	

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

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SCALE: NONE

DRAWN BY: L. MOORE DATE: 12/19/22

CHECKED BY: C. BENDA DATE: 12/19/22

APPROVED BY: NRD DATE: 12-20-22

REVIEWED BY: DATE:

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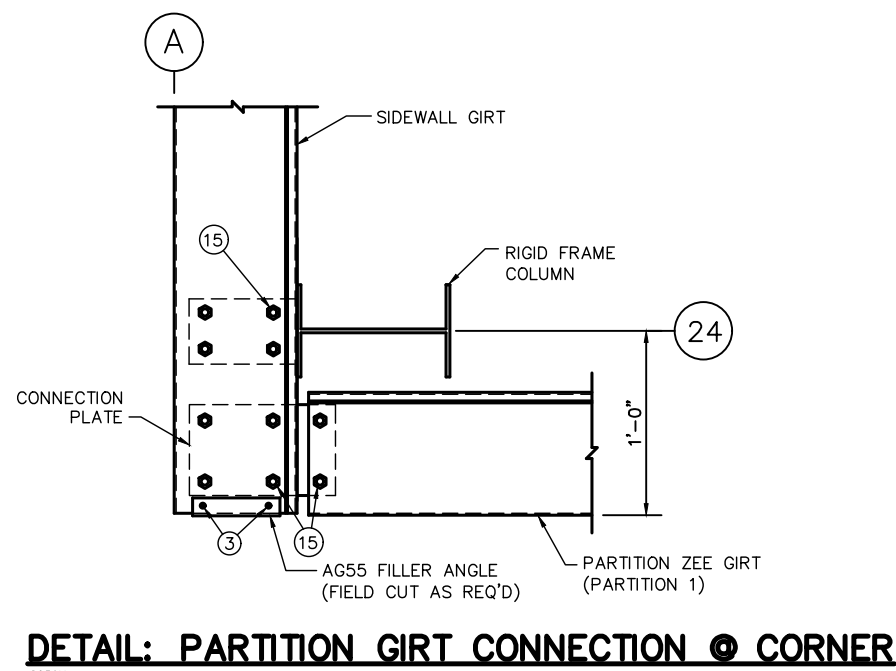
EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

ERECTOR DETAILS

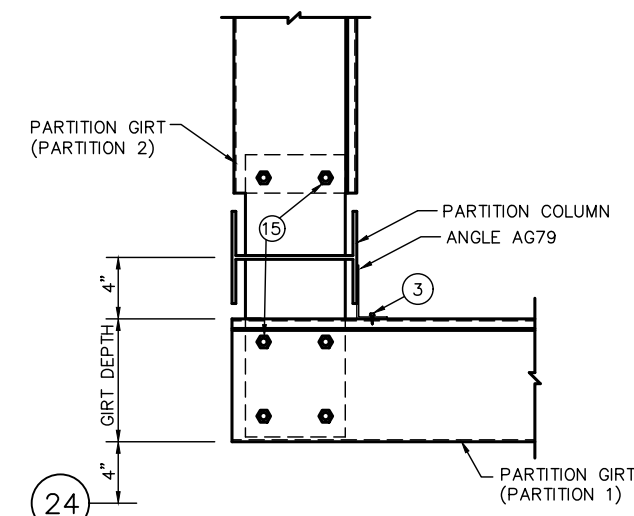
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SHT. OF 51 55

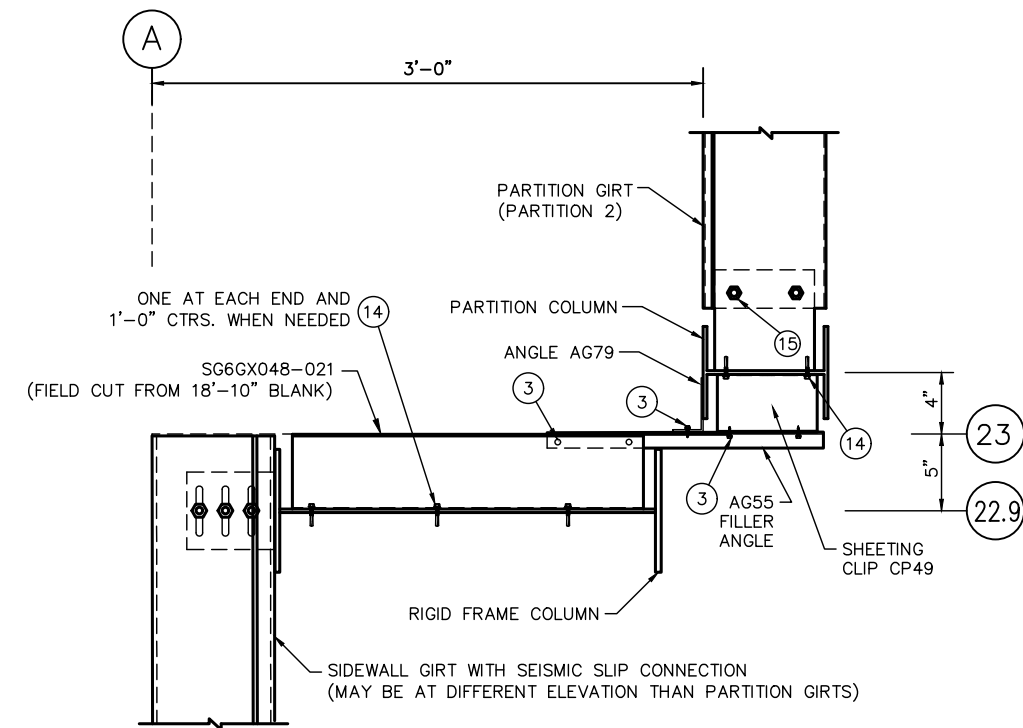
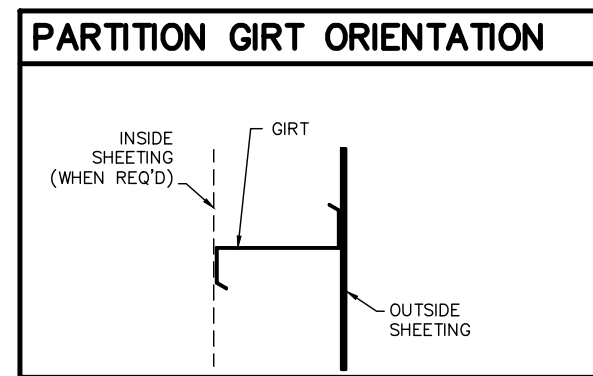




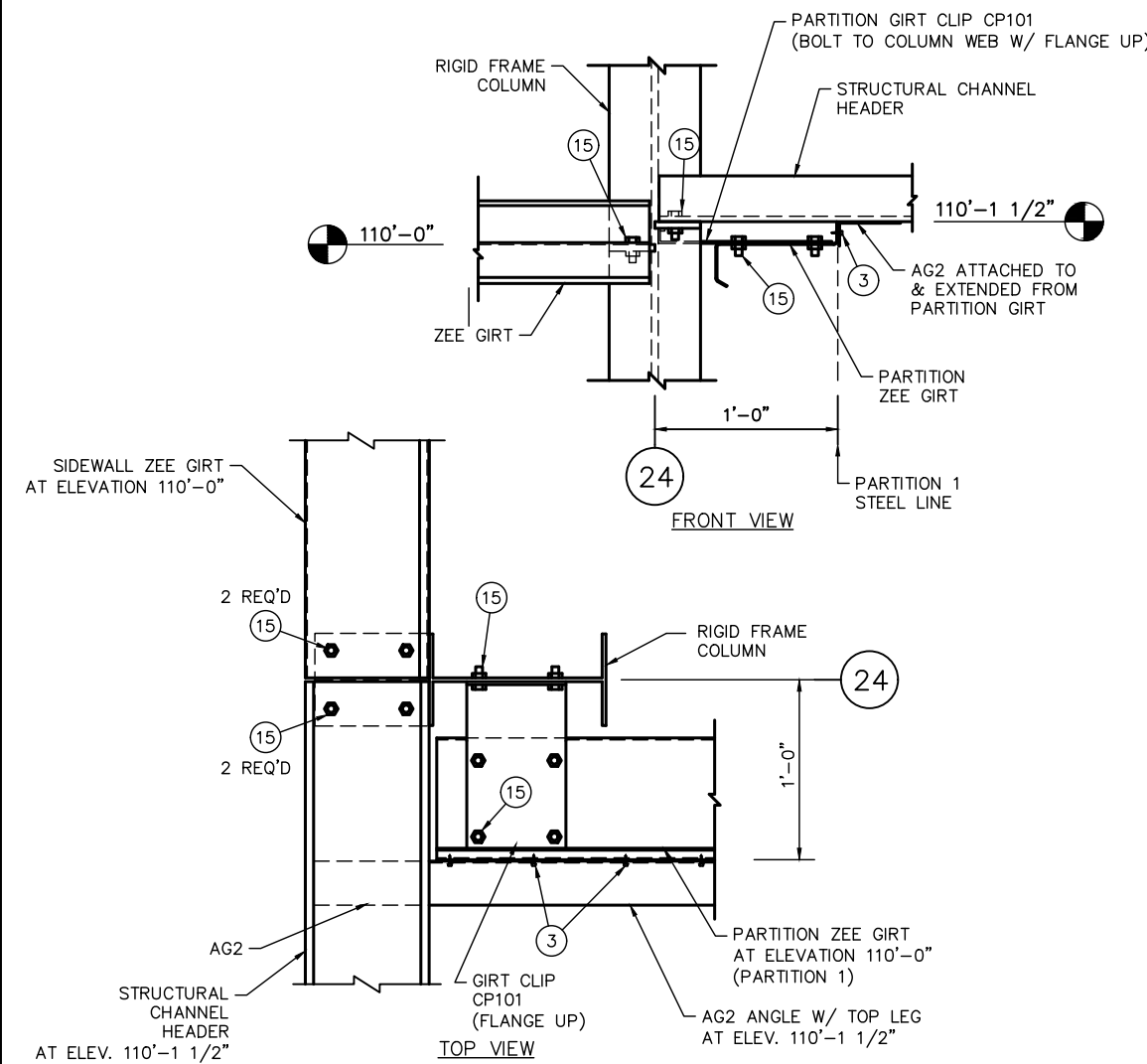
**DETAIL: PARTITION GIRT CONNECTION @ CORNER**



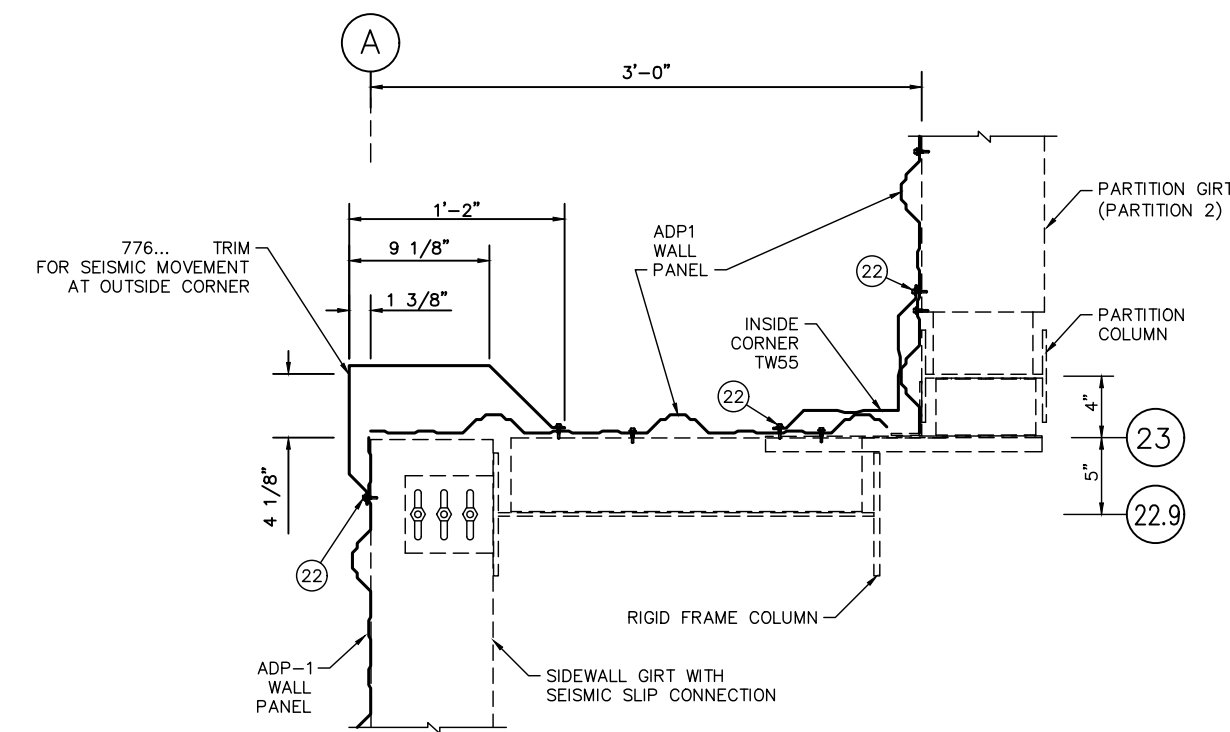
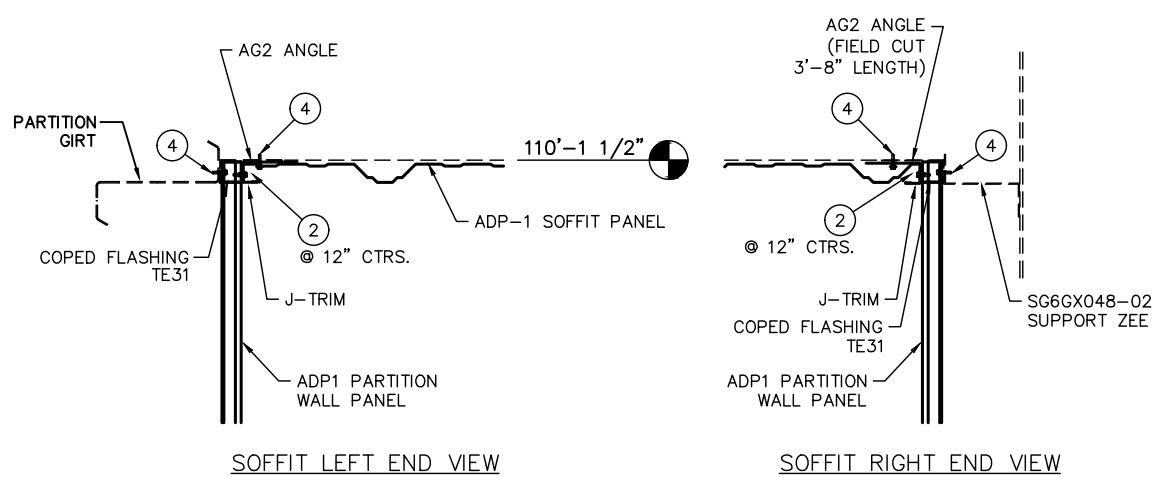
**DETAIL: PARTITION GIRT CONNECTION ENDS AT A CORNER**



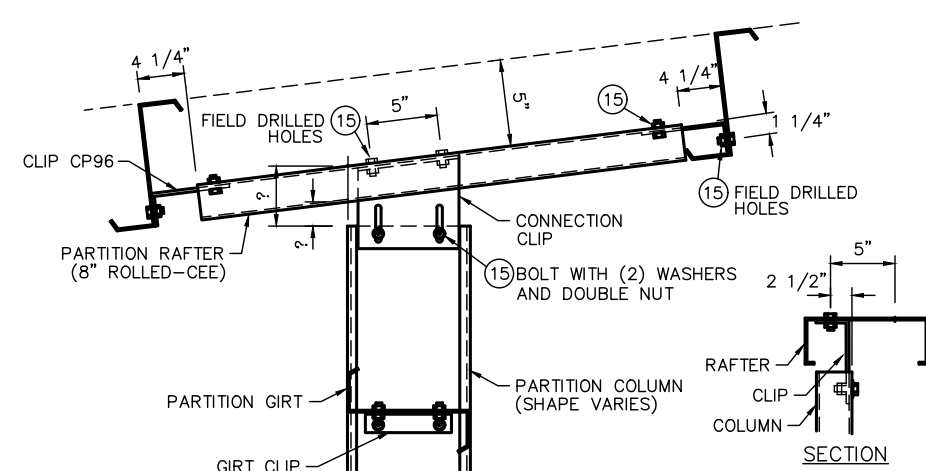
**DETAIL: PARTITION FRAMING AT CORNERS (PARTITION 3)**



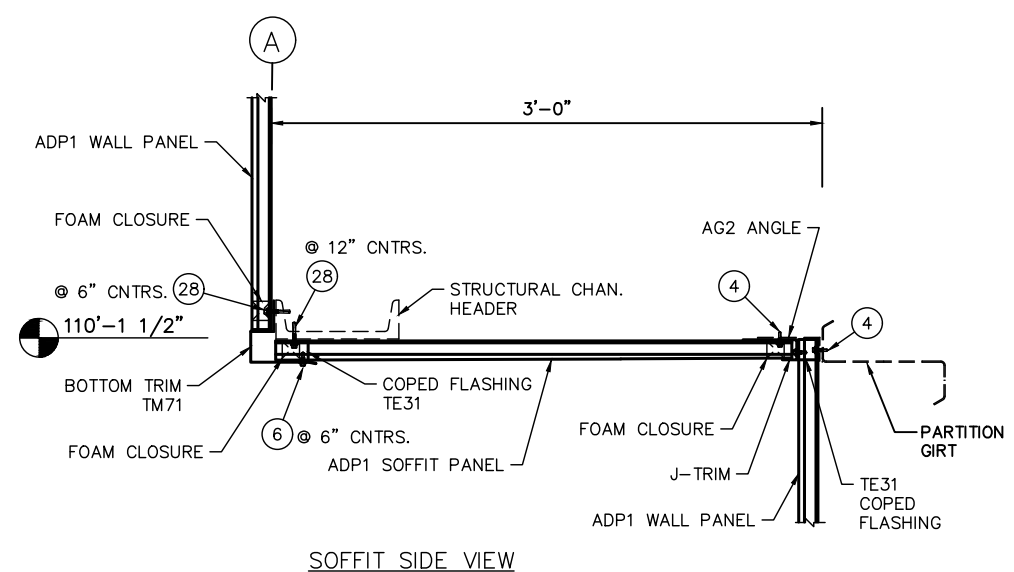
**DETAIL: STRUCTURAL HEADER, ZEE GIRT, & PARTITION GIRT CONNECTION @ CORNER**



**DETAIL: PARTITION SHEETING & TRIM AT CORNERS (PARTITION 3)**



**DETAIL: PARTITION RAFTER CONNECTED TO PURLINS AND PARTITION COLUMN OR DOOR JAMB**



**DETAIL: SOFFIT TRIM AT HEADER AND PARTITION GIRT**

LOC.	PART NUMBER	DESCRIPTION	LOC.	PART NUMBER	DESCRIPTION
(1)		AS NOTED ON RIGID FRAME ELEVATION	(14)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW
(2)	5228100	SCREW 1/4 X 3/4 FL-TP SD WW	(15)	1328193	BOLT 1/2 X 1 1/2 HVHX A325T GALV & NUT (1328191)
(3)	5228084	SCREW 12 X 1 HWH SD NW	(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(4)	5228101	SCREW 12 X 1 1/4 FL-TP SD WW	(17)	3228102	SCREW 12 X 2 FL-TP SD WW
(5)	5228105	SCREW 1/4 X 1 1/4 LG-LF SD WW	(19)	896011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(6)	5228099	SCREW 8 X 1/2 HWH SD NW	(20)	8188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(8)	3188333	BOLT 1/2 X 2 HVHX A325T GALV & NUT (1328191)	(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW
(9)	1328199	BOLT 5/8 X 2 1/4 HVHX A325T GALV & NUT (1328195)	(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(10)	1328187	BOLT 3/4 X 1 1/2 HVHX A325T GALV & NUT (1328192)	(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(11)	1328190	BOLT 3/4 X 2 1/2 HVHX A325T GALV & NUT (1328192)	(25)	3228126	SCREW 17 X 1 LG-LF ST WW
(12)	5228100	SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	(26)	3228138	SCREW 1/4 X 1 HWH SD NW
(13)	5228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	(27)	3208084	SCREW 10 X 1 1/2 HWH WOODTITE WW
	5228105	SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	(28)	3228132	SCREW 12 X 1 1/2 HWH SD #5 PT WW

ABBREVIATIONS	DESCRIPTION
HD	= HEAD
SD	= SELF DRILLING
ST	= SELF TAPPING
SS	= STAINLESS STEEL
PT	= POINT
RD	= ROUND
WW	= WITH WASHER
NW	= NO WASHER
FLT	= FLAT
HVHX	= HEAVY HEX UNPLD
UNPLD	= UNPLATED
PLTD	= PLATED
HWH	= HEX WASHER HEAD
FL-TP	= FLAT TOP
LG-LF	= LONG LIFE
PHPS	= PHILLIPS

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

NOTES:

- FOR SEQUENCE OF ERECTION - SEE APPLICABLE WALL PANEL ERECTION GUIDE.
- FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
- SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
- THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
- ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.

SCALE : NONE	DRAWN BY L. MOORE	DATE 12/19/22
	CHECKED BY C. BENDA	DATE 12/19/22
	APPROVED BY NRD	DATE 12-20-22
	REVIEWED BY	DATE

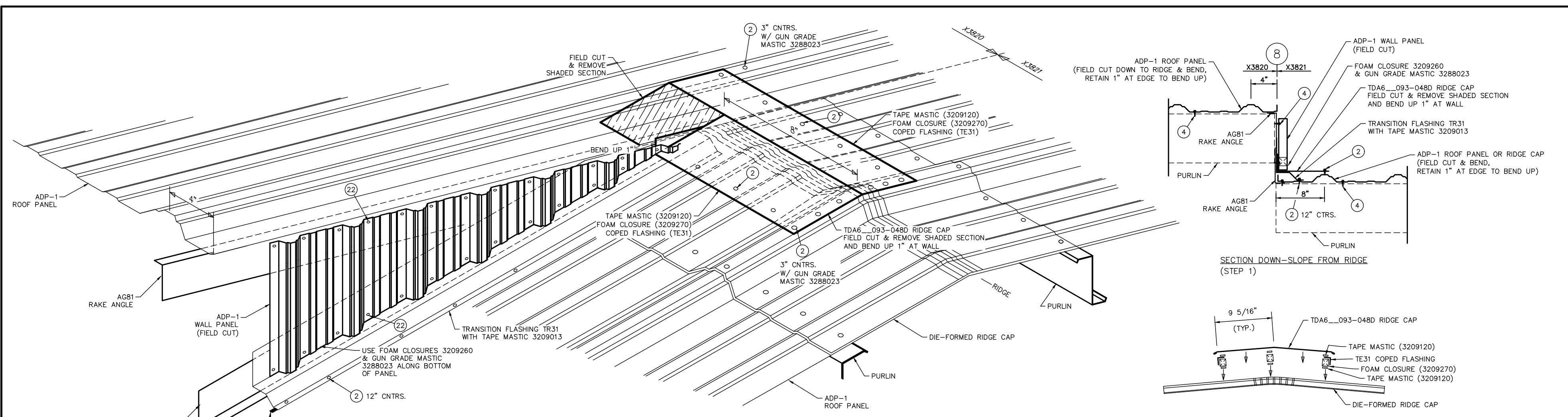
UNLESS OTHERWISE NOTED, CONNECTIONS BY THIS MANUFACTURER USING A-325 HIGH STRENGTH BOLTS ARE DESIGNED TO BE FASTENED USING THE "SNUG TIGHTENED" METHOD, AS DEFINED AND DESCRIBED IN THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS SPECIFICATION (RCSC, 6-23-2000), SECTION 4.1 "SNUG-TIGHTENED JOINTS" (REFERENCE SECTION 8.1).

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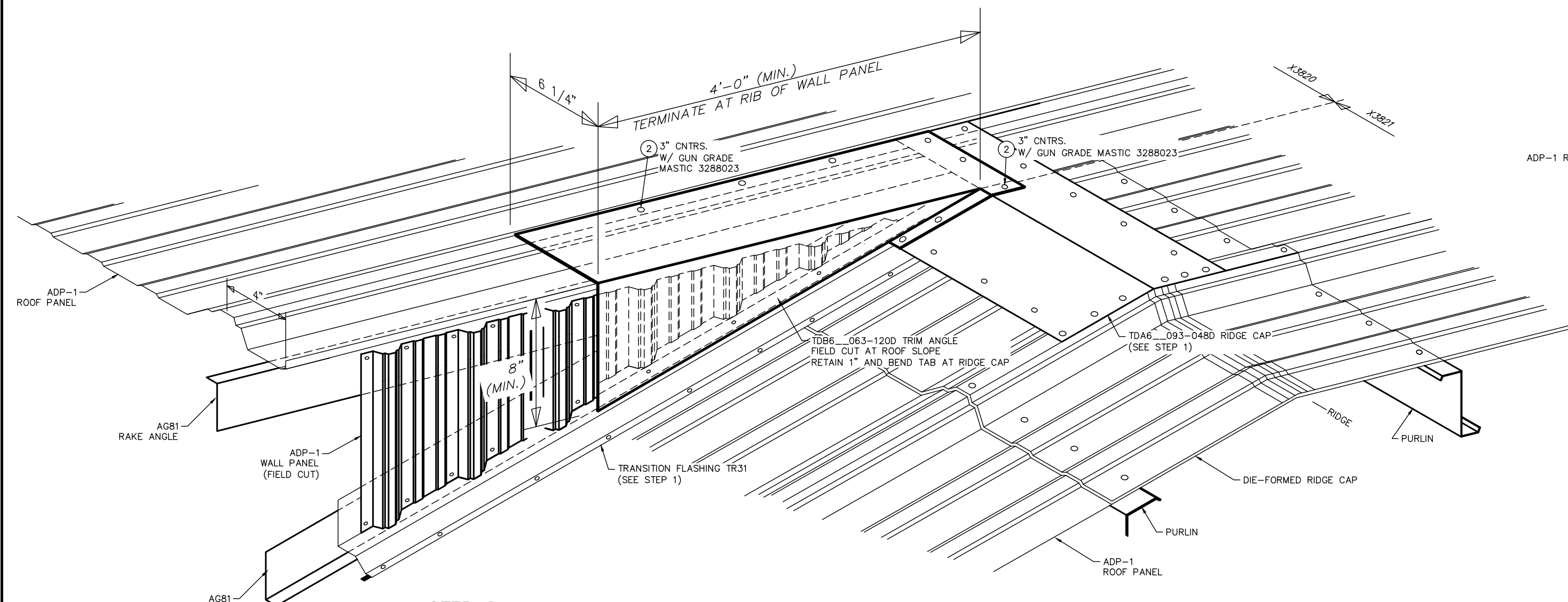
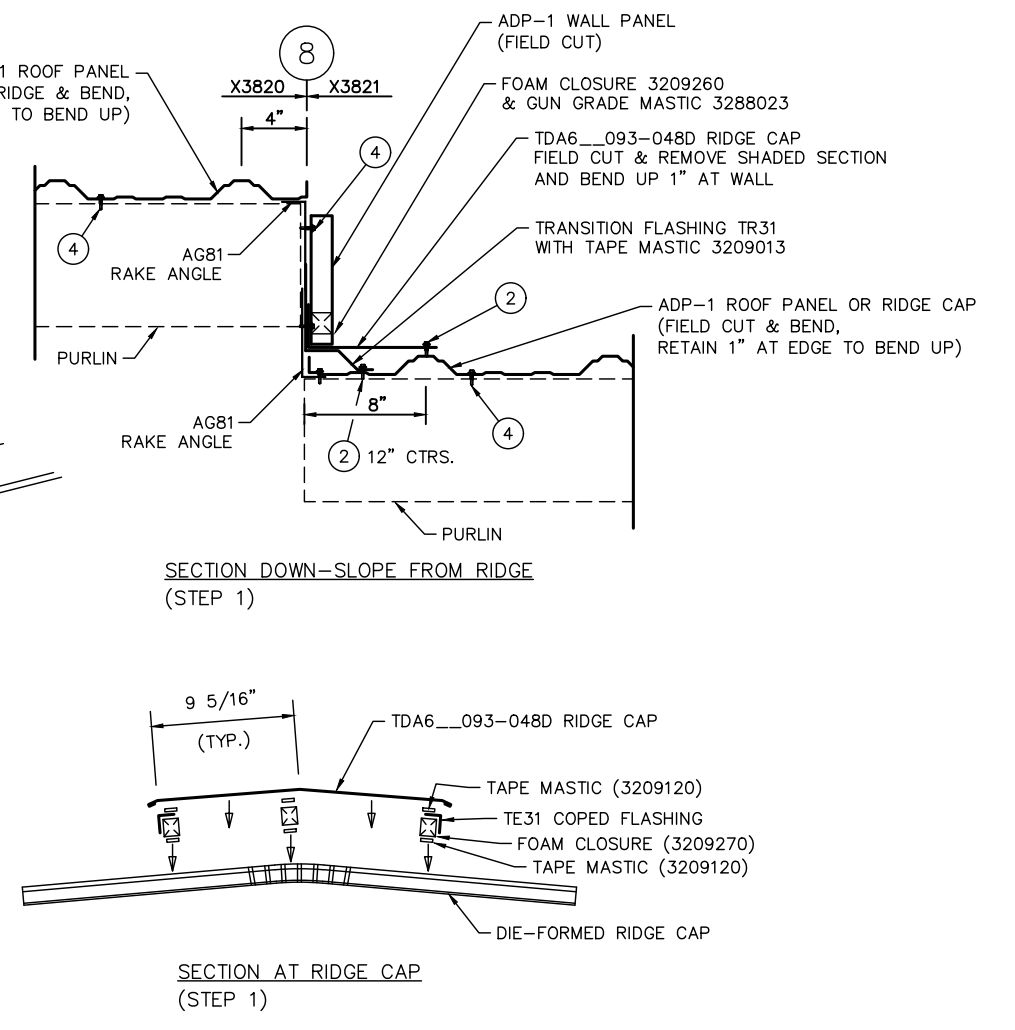
EMPIRE STEEL BUILDINGS  
SAN DIEGO, CA.

JOB NO. X3820/21/22 SHT. OF 52 55

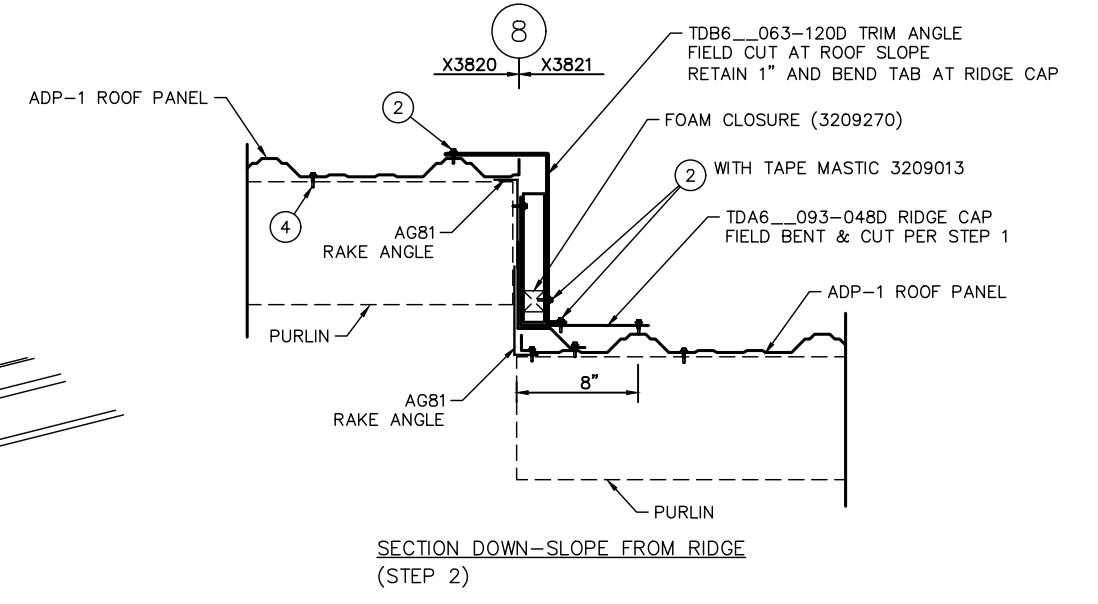




**STEP 1**  
**DETAIL: DIE FORMED RIDGE CAP INTERSECTS RAKE TRIM OF ADJACENT BLDG. W/ START DIM.**  
**(ROOF SHEETING ON ONE SIDE OF RIDGE IS AT THE SAME PLANE)**  
 XR001A1



**STEP 2**  
**DETAIL: DIE FORMED RIDGE CAP INTERSECTS RAKE TRIM OF ADJACENT BLDG. W/ START DIM.**  
**(ROOF SHEETING ON ONE SIDE OF RIDGE IS AT THE SAME PLANE)**  
 XR001A1



FASTENER SCHEDULE			
LOC.	PART NUMBER	DESCRIPTION	ABBREVIATIONS
(1)	AS NOTED ON RIGID FRAME ELEVATION		
(2)	5228100	SCREW 1/4 X 3/4 FL-TP SD WW	HD = HEAD
(3)	5228084	SCREW 12 X 1 HWH SD NW	SD = SELF DRILLING
(4)	5228101	SCREW 12 X 1 1/4 FL-TP SD WW	ST = SELF TAPPING
(5)	5228103	SCREW 1/4 X 1 1/4 LG-LF SD WW	SS = STAINLESS STEEL
(6)	5228093	SCREW 8 X 1/2 HWH SD NW	PT = POINT
(7)	5228102	SCREW 12 X 2 FL-TP SD WW	RD = ROUND
(8)	3188333	BOLT 1/2 X 2 HVHX A325 GALV & NUT (1328191)	WW = WITH WASHER
(9)	1328199	BOLT 5/8 X 2 1/4 HVHX A325 GALV & NUT (1328195)	NW = NO WASHER
(10)	1328187	BOLT 3/4 X 1 1/2 HVHX A325 GALV & NUT (1328192)	FLT = FLAT
(11)	1328190	BOLT 3/4 X 2 1/2 HVHX A325 GALV & NUT (1328192)	HVHX = HEAVY HEX
(12)	5228100	SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	UNPL = UNPLATED
(13)	5228103	SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	PLTD = PLATED
(14)	5228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	HWH = HEX WASHER HEAD
(15)	5228105	SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	FL-TP = FLAT TOP
(16)	5228102	SCREW 12 X 2 FL-TP SD WW	LG-LF = LONG LIFE
(17)	5228126	SCREW 17 X 1 LG-LF ST WW	PHPS = PHILLIPS
(18)	5228138	SCREW 1/4 X 1 HWH SD NW	
(19)	3208084	SCREW 10 X 1 1/2 HWH WOODTITE WW	
(20)	5228132	SCREW 12 X 1 1/2 HWH SD #5 PT WW	

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

NOTES:  
 1. FOR SEQUENCE OF ERECTION - SEE APPLICABLE WALL PANEL ERECTION GUIDE.  
 2. FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.  
 3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.  
 4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.  
 5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.

UNLESS OTHERWISE NOTED, CONNECTIONS BY THIS MANUFACTURER USING A-325 HIGH STRENGTH BOLTS ARE DESIGNED TO BE FASTENED USING THE "SNUG TIGHTENED" METHOD, AS DEFINED AND DESCRIBED IN THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS SPECIFICATION (RCSC, 6-23-2000), SECTION 4.1 "SNUG-TIGHTENED JOINTS" (REFERENCE SECTION 8.1).

SCALE: NONE

DRAWN BY: L. MOORE DATE: 12/19/22  
 CHECKED BY: C. BENDA DATE: 12/19/22  
 APPROVED BY: NRD DATE: 12-20-22  
 REVIEWED BY: DATE:

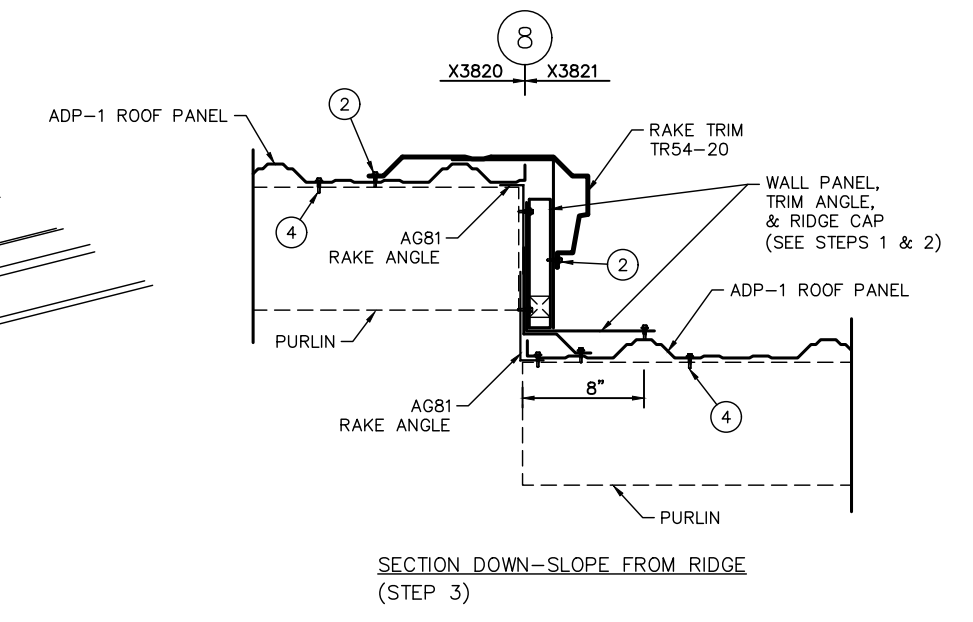
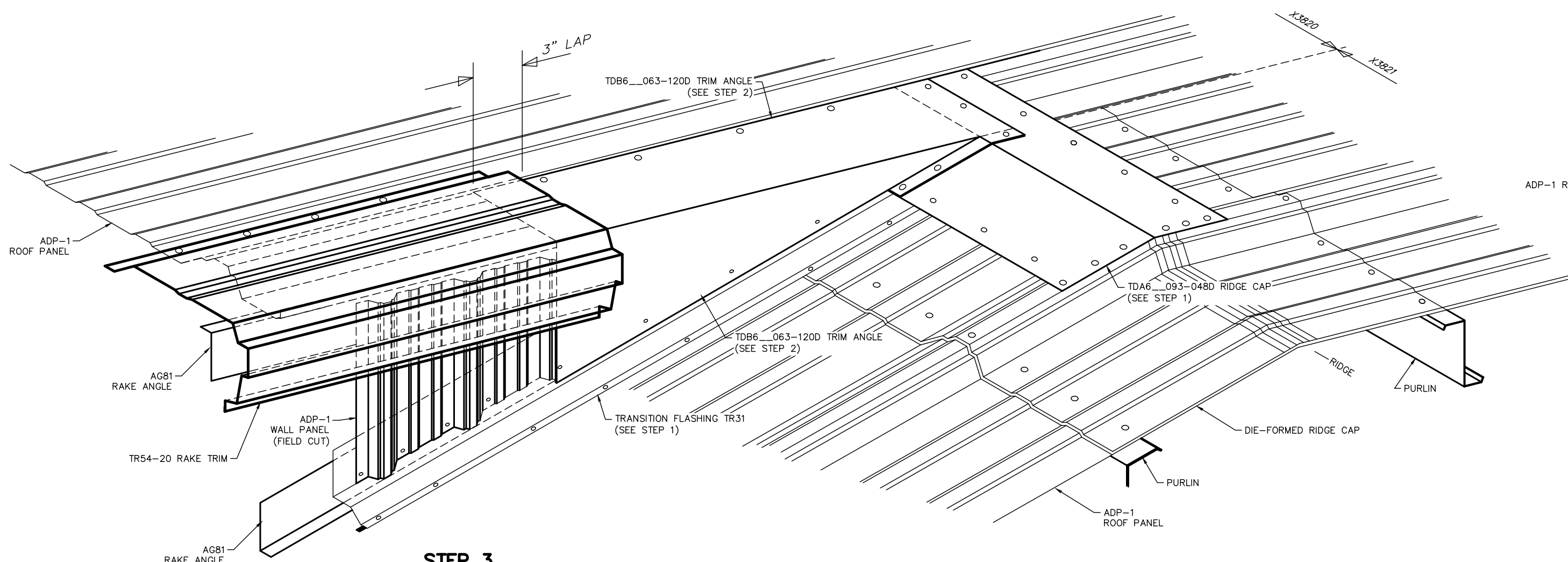
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 SAN DIEGO, CA

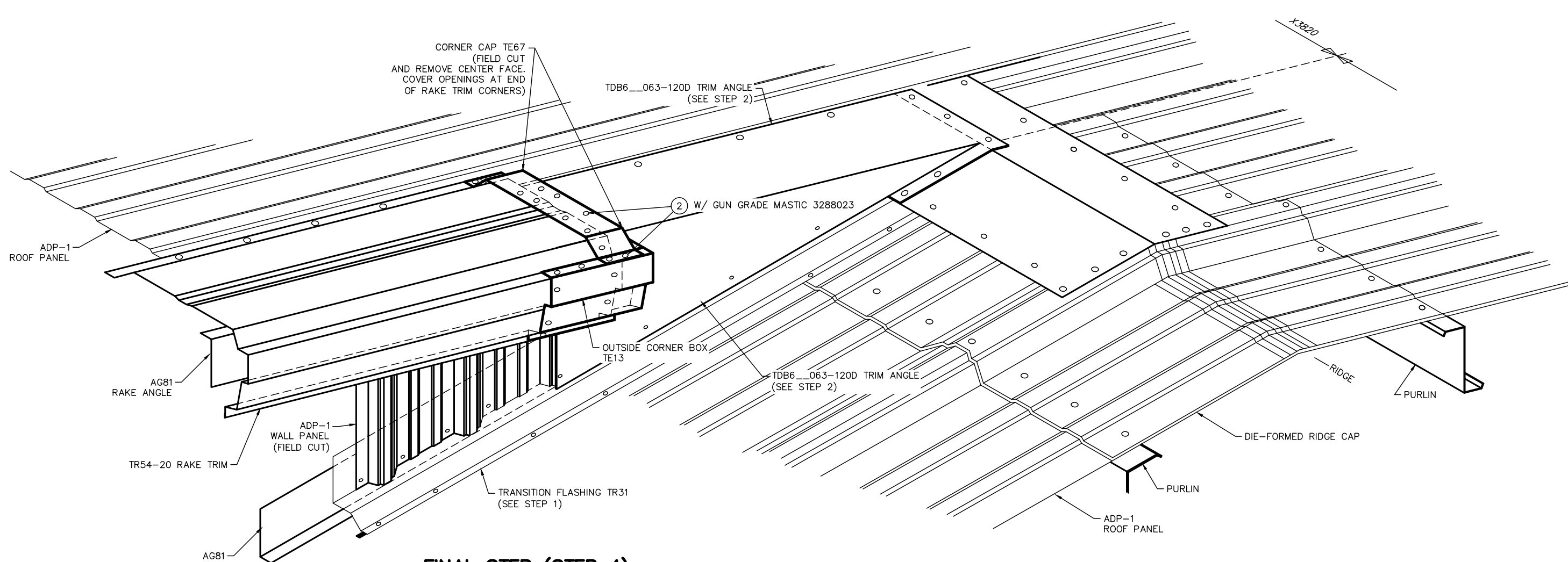
ERECTOR DETAILS

JOB NO. X3820/21/22 SHT. OF 53 55





**STEP 3**  
**DETAIL: DIE FORMED RIDGE CAP INTERSECTS RAKE TRIM OF ADJACENT BLDG. W/ START DIM.**  
 XR001A1 **(ROOF SHEETING ON ONE SIDE OF RIDGE IS AT THE SAME PLANE)**



**FINAL STEP (STEP 4)**  
**DETAIL: DIE FORMED RIDGE CAP INTERSECTS RAKE TRIM OF ADJACENT BLDG. W/ START DIM.**  
 XR001A1 **(ROOF SHEETING ON ONE SIDE OF RIDGE IS AT THE SAME PLANE)**

FASTENER SCHEDULE			
LOC. PART NUMBER	DESCRIPTION	LOC. PART NUMBER	DESCRIPTION
(1)	AS NOTED ON RIGID FRAME ELEVATION	(14)	3228087 SCREW 12 X 1 1/4 HWH SD #5 PT NW
(2)	5228100 SCREW 1/4 X 3/4 FL-TP SD WW	(15)	1328193 BOLT 1/2 X 1 1/2 HVHX A325T GALV & NUT (1328191)
(3)	3228084 SCREW 12 X 1 HWH SD NW	(16)	3208170 BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(4)	3228101 SCREW 12 X 1 1/4 FL-TP SD WW	(17)	3228102 SCREW 12 X 2 FL-TP SD WW
(5)	3228103 SCREW 1/4 X 1 1/4 LG-LF SD WW	(19)	896011 BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(6)	3228093 SCREW 8 X 1/2 HWH SD NW	(20)	3188003 BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(8)	3188333 BOLT 1/2 X 2 HVHX A325T GALV & NUT (1328191)	(21)	3228122 SCREW 1/4 X 1 1/2 HWH SD NW
(9)	1328199 BOLT 5/8 X 2 1/4 HVHX A325T GALV & NUT (1328195)	(22)	SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(10)	1328187 BOLT 3/4 X 1 1/2 HVHX A325T GALV & NUT (1328192)	(23)	3228124 SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(11)	1328190 BOLT 3/4 X 2 1/2 HVHX A325T GALV & NUT (1328192)	(25)	3228126 SCREW 17 X 1 LG-LF ST WW
(12)	3228100 SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	(26)	3228138 SCREW 1/4 X 1 HWH SD NW
(13)	3228103 SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	(27)	3208084 SCREW 10 X 1 1/2 HWH WOODTITE WW
(14)	3228101 SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	(28)	3228132 SCREW 12 X 1 1/2 HWH SD #5 PT WW
(15)	3228103 SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR		

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

NOTES:  
 1. FOR SEQUENCE OF ERECTION - SEE APPLICABLE WALL PANEL ERECTION GUIDE.  
 2. FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.  
 3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.  
 4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.  
 5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.

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SCALE : NONE

DRAWN BY: L. MOORE DATE: 12/19/22  
 CHECKED BY: C. BENDA DATE: 12/19/22  
 APPROVED BY: NRD DATE: 12-20-22  
 REVIEWED BY: DATE:

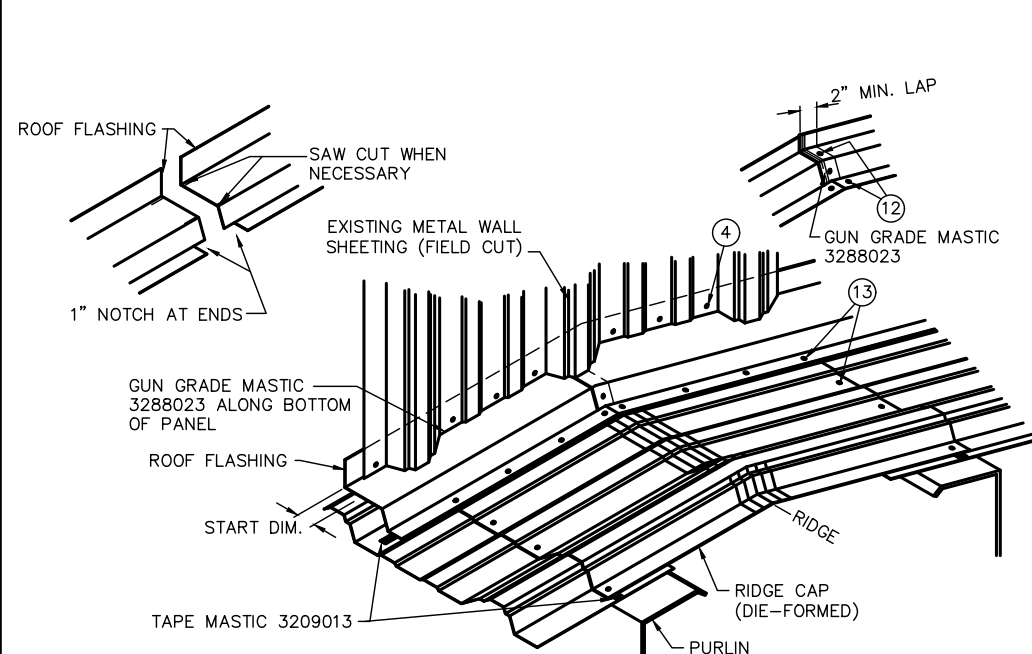
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EMPIRE STEEL BUILDINGS  
 SAN DIEGO, CA.

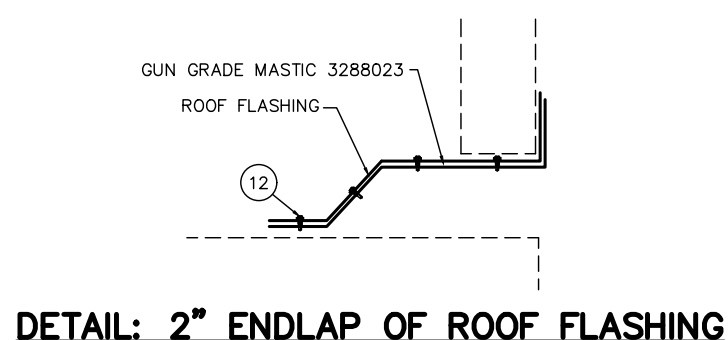
ERECTOR DETAILS

JOB NO. X3820/21/22 SHT. OF 54 55

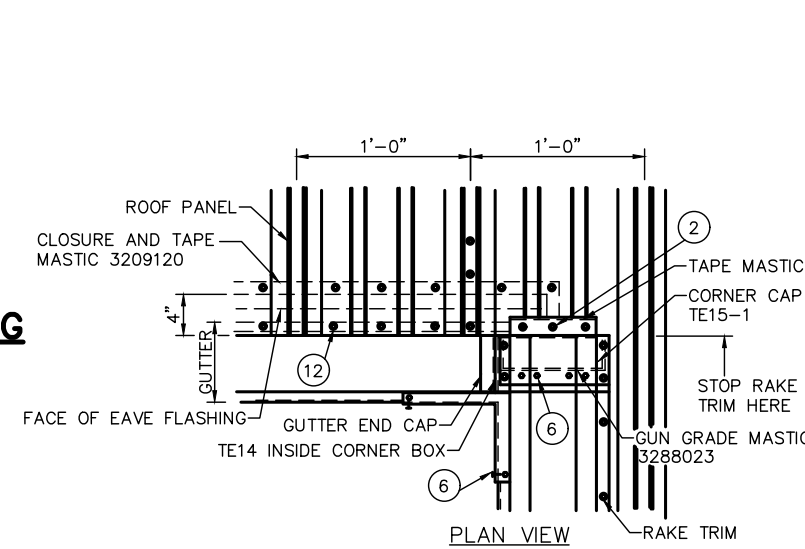




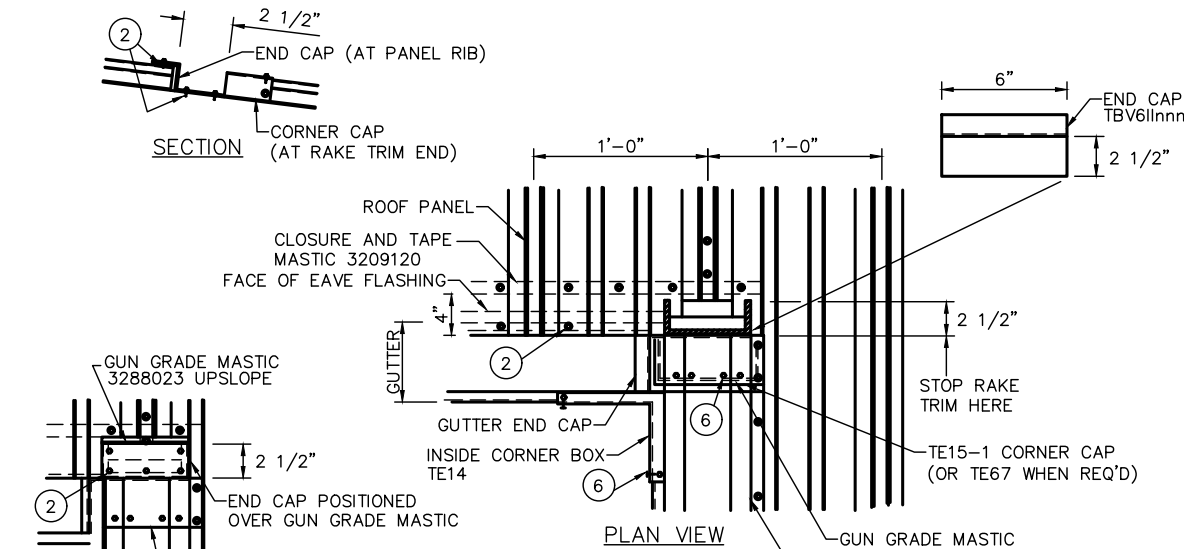
**DETAIL: RIDGE STOPS AT TALLER EXISTING METAL WALL**



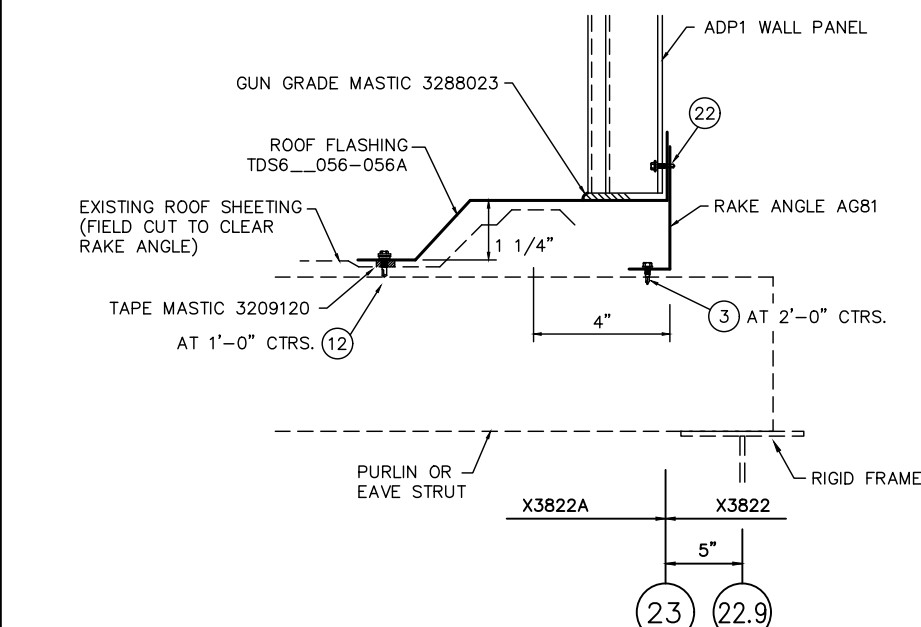
**DETAIL: 2" ENDLAP OF ROOF FLASHING**



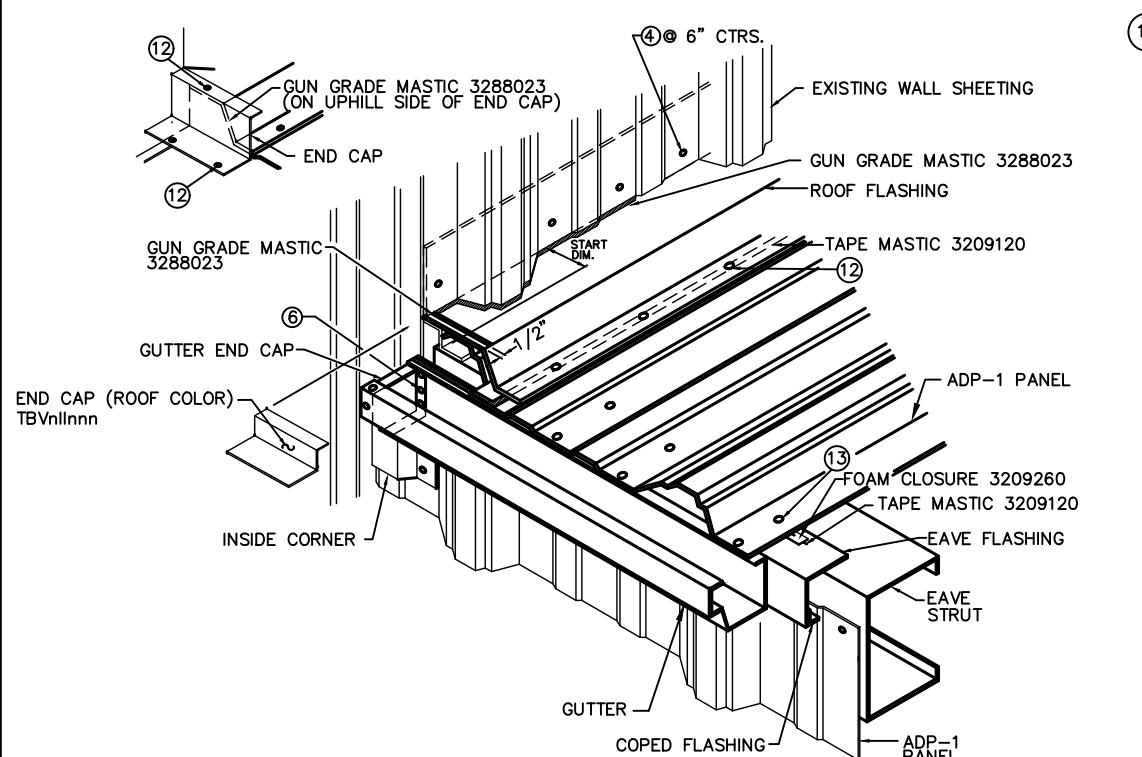
**DETAIL: INSIDE CORNER - GUTTER INTERSECTS RAKE TRIM (RAKE LINE BETWEEN PANEL RIBS)**



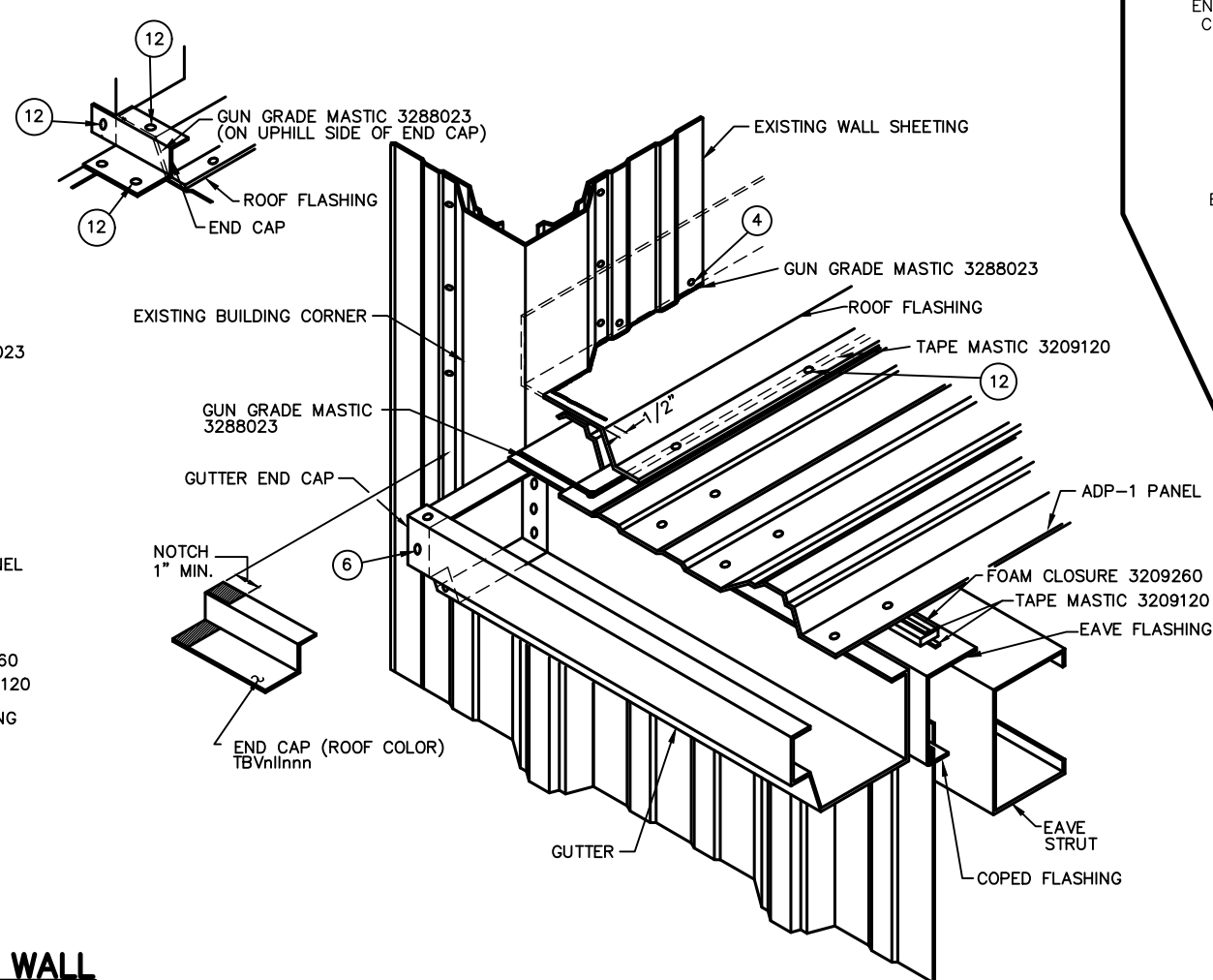
**DETAIL: INSIDE CORNER - GUTTER INTERSECTS RAKE TRIM (RAKE LINE @ PANEL RIB)**



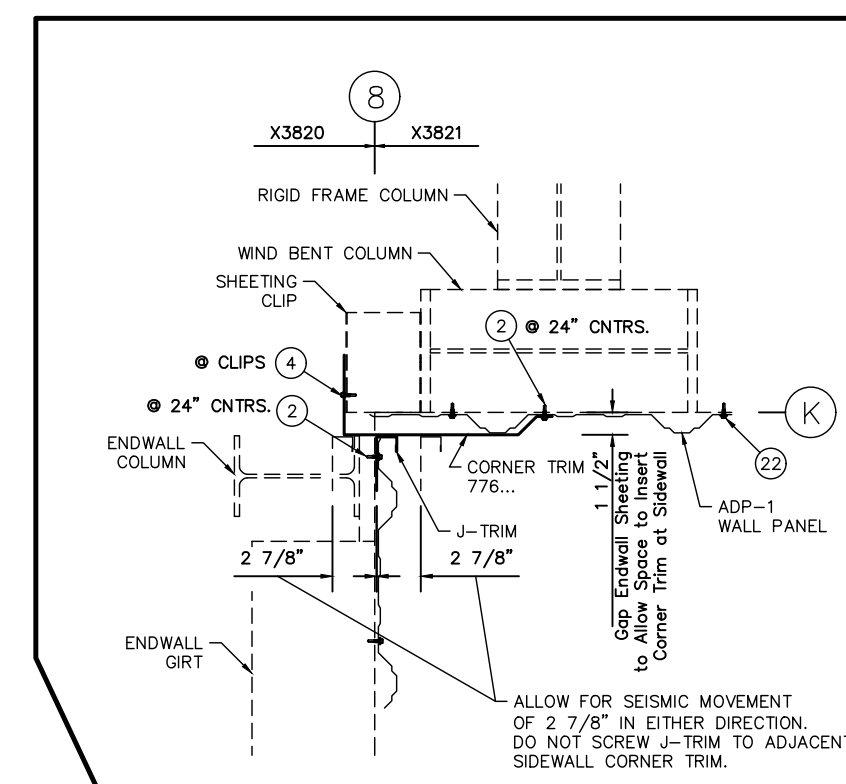
**DETAIL: WALL SHEETING CONNECTION TO LOWER ROOF**



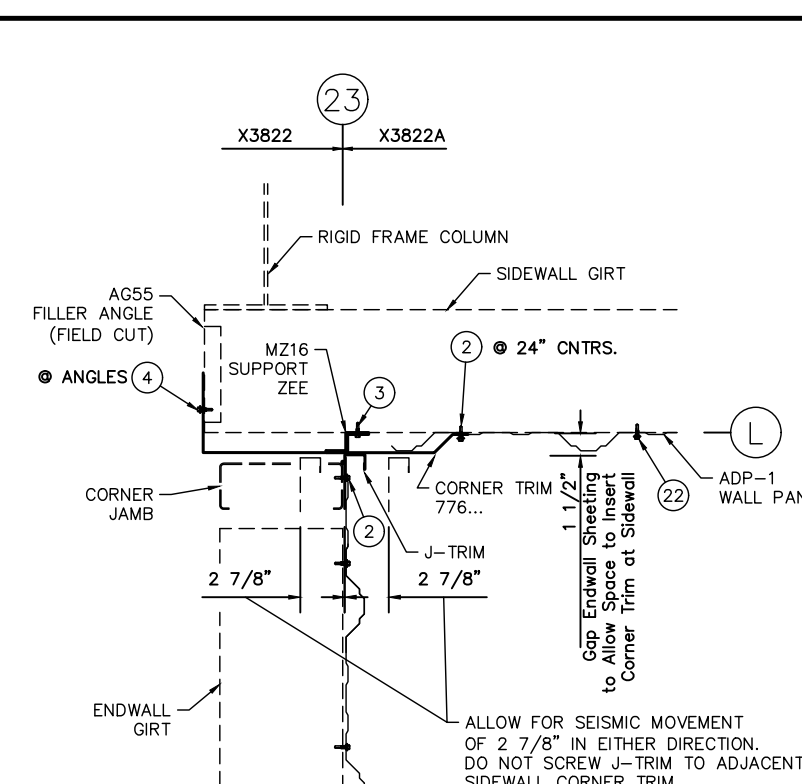
**LOW EAVE CORNER w/GUTTER ALONG EXISTING METAL WALL**



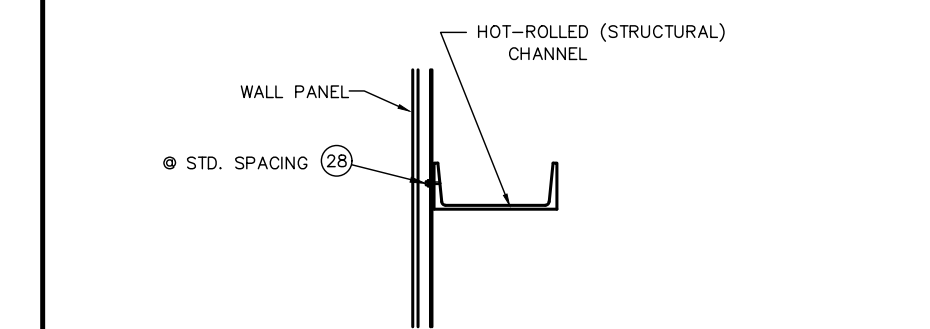
**DETAIL: LOW EAVE CORNER w/ GUTTER AT CORNER OF EXISTING METAL WALL**



**DETAIL: TRIM AT INSIDE CORNER W/ SEISMIC SEPARATION**



**DETAIL: TRIM AT INSIDE CORNER W/ SEISMIC SEPARATION**



**DETAIL: WALL PANEL TO HOT-ROLLED MEMBER**

FASTENER SCHEDULE			
LOC. PART NUMBER	DESCRIPTION	LOC. PART NUMBER	DESCRIPTION
(1)	AS NOTED ON RIGID FRAME ELEVATION	(14)	3228087 SCREW 12 X 1 1/4 HWH SD #5 PT NW
(2)	3228100 SCREW 1/4 X 3/4 FL-TP SD WW	(15)	1328193 BOLT 1/2 X 1 1/2 HVHX A325T GALV & NUT (1328191)
(3)	3228084 SCREW 12 X 1 HWH SD NW	(16)	3208170 BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(4)	3228101 SCREW 12 X 1 1/4 FL-TP SD WW	(17)	3228102 SCREW 12 X 2 FL-TP SD WW
(5)	3228103 SCREW 1/4 X 1 1/4 LG-LF SD WW	(18)	9960111 BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(6)	3228099 SCREW 8 X 1/2 HWH SD NW	(19)	9960111 BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(8)	3188333 BOLT 1/2 X 2 HVHX A325T GALV & NUT (1328191)	(20)	9188003 BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(9)	1328199 BOLT 5/8 X 2 1/4 HVHX A325T GALV & NUT (1328195)	(21)	3228122 SCREW 1/4 X 1 1/2 HWH SD NW
(10)	1328187 BOLT 3/4 X 1 1/2 HVHX A325T GALV & NUT (1328192)	(22)	SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(11)	1328190 BOLT 3/4 X 2 1/2 HVHX A325T GALV & NUT (1328192)	(23)	3228124 SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(12)	3228100 SCREW 1/4 X 3/4 FL-TP SD WW FOR ADP1 ROOF	(24)	3228126 SCREW 17 X 1 LG-LF ST WW
(13)	3228103 SCREW 1/4 X 3/4 LG-LF SD WW FOR SSR	(25)	3228138 SCREW 1/4 X 1 HWH SD NW
(14)	3228101 SCREW 12 X 1 1/4 FL-TP SD WW FOR ADP1 ROOF	(26)	3208084 SCREW 10 X 1 1/2 HWH WOODTITE WW
(15)	3228103 SCREW 1/4 X 1 1/4 LG-LF SD WW FOR SSR	(27)	3228132 SCREW 12 X 1 1/2 HWH SD #5 PT WW

LETTER	REVISIONS	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	REVIEWED BY	DATE

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- FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
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SCALE: NONE

DRAWN BY: L. MOORE DATE: 12/19/22  
 CHECKED BY: C. BENDA DATE: 12/19/22  
 APPROVED BY: NRD DATE: 12-20-22  
 REVIEWED BY: DATE:

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 ADELANTO, CA 92301

EMPIRE STEEL BUILDINGS  
 SAN DIEGO, CA

ERECTOR DETAILS

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