METAL BUILDING OUTLET CORP.

APPROVAL NOTES

1. Approval of MBO drawings and/or calculations indicates that MBO has correctly interpreted the contract requirements. This approval constitutes the CUSTOMER acceptance of the MBO design, concepts, assumptions, and loadings. (Section 4 AISC Code 13th Edition and MBMA 3.3.3).
2. Failure to respond to clouded areas and areas to verify may result in additional costs and/or schedule delays for which MBO will not be responsible.
3. Any changes made after the CUSTOMER has signed and returned the approval drawings and/or calculations and the project is released for production shall be billed to the CUSTOMER including material, engineering, and other cost. An additional fee may be charged if the project must be moved from the engineering and/or the production/drafting schedule.
4. It is the responsibility of the CUSTOMER to field verify all existing conditions prior to fabrication.

5. It is imperative that any changes to these drawings:

 5.1. Be made in contrasting ink.
 5.2. Be legible and unambiguous.
 5.3. Have all instances of changes clearly indicated.

6. A dated signature, in the designated areas, is required on all pages. The signature must be from the person authorized on the contract or a person authorized, in writing, by the CUSTOMER.
7. MBO reserves the right to resubmit drawings with extensive or complex changes required to avoid fabrication errors. This may impact the delivery schedule.
8. Any changes noted on the drawings not in conformance with the terms and requirements of the contract between MBO and its CUSTOMER are not binding on CBC unless subsequently specifically acknowledged and agreed to in writing by change order or separate documentation.
9. The CUSTOMER approves of all notes and conditions on the drawings and/or calculations by signing an Approval Drawing Waiver Form.

GENERAL NOTES

1. Wall and liner panels are an integral part of the structural system. Unauthorized removal of panels or cutting panels for framed openings not shown is prohibited.
2. Oil-canning, a perceived waviness inherent to light gauge metal, may exist. This condition does not affect the structural integrity or the finish of the panel, and therefore is not a cause for rejection.
3. The primer for all cold-formed structural framing members contain a 'wax-type' lubricant to facilitate roll-forming. Hair-line crazing which may occur during forming operations is considered normal and is not a cause for rejection.
4. All other primed structural members are given one shop coat (1.0 mils) of standard red-oxide primer designed for short term field protection. This paint is not intended for long term exposure to the elements.
5. All bolts are 1/2" x 1-1/4" A307 except:
 5.1. Eave Strut Connection 1/2" diam. x 1 1/4" A307
 5.2. End Wall Rafter Splice 3/8" diam. x 1 3/4" A325-N
 5.3. End Wall Column to Rafter Connection 1/2" diam. 1 1/4" A325-N
 5.4. Main Frame Connections see Cross Section.
 Note: Washers are not supplied unless noted otherwise on drawing.
6. All high strength bolts are A325 unless specifically noted otherwise. All high strength bolts (A325, A490) are to be installed using the turn-of-the-nut method specified in the 'Specification for Structural Joints Using ASTM A325 or A490 Bolts' in the AISC Manual. Unless noted otherwise, all bolted connections are designed as bearing type connections with bolt threads not excluded from the shear plane.
7. Any type of suspended or load inducing system(s) is prohibited if zero collateral and zero sprinkler loads are designated on the contract. This would include lights, duct work, piping, insulation types other than 3' standard duty fiberglass blanket insulation, etc.
8. Fabrication shall be in accordance with MBO's standard practices in compliance with the applicable sections, relating to design requirements and allowable stresses of the latest edition of the 'AWS Structural Welding Code D1.1 and D1.3'.

MATERIALS	ASTM DESIGNATION	MIN. YIELD STRENGTH
Hot Rolled Steel Shapes (W, S, C & L)	A572 / A529	Fy = 50 KSI
Hot Rolled Steel Shapes (W)	A992	Fy = 50 KSI
Round Structural Tubing (HSS)	A500	Fy = 42 KSI
Square / Rect. Structural Tubing	A500	Fy = 46 KSI
Structural Steel Web Plate	A572 / A1011	Fy = 55 KSI
Structural Steel Flange Plates / Bars	A529 / A572	Fy = 55 KSI
Cold Formed Light Gage	A653 / A1D11	Fy = 55 KSI
Roof and Wall Sheets	A792 / A653	Fy = 50, 80 KSI
Cable Brace	A475	Extra High Strength
Rod Brace	A36	Fy = 36 KSI
		MIN. TENSILE STRENGTH
Machine Bolts & Nuts	A 307	Fu = 60 KSI
High Strength Bolts (1" diam. and less)	A 325 - Type 1	Fu = 120 KSI
High Strength Bolts (>1" diam. to 1 1/2 diam.)	A 325 - Type 1	Fu = 105 KSI
Anchor Bolts	A36 / A307 / F155 Gr. 36	Fu = 58-80 KSI
THE METAL BUILDING MANUFACTURER RESERVES THE RIGHT TO SUBSTITUTE THE ABOVE MATERIALS WITH EQUAL OR BETTER MATERIAL.		

CUSTOMER END USER RESPONSIBILITIES

1. Metal Building Outlet Corp. (hereafter referred to as 'MBO'. The CUSTOMER / END USER, hereafter referred to as the 'CUSTOMER', obtains and pays for all building permits, licenses, public assessments, paving or utility pro rata, utility connections, occupancy fees and other fees required by any governmental authority or utility in connection with the work provided for in the Contract Documents. The CUSTOMER provides at his expense all plans and specifications required to obtain a building permit. It is the CUSTOMER'S responsibility to ensure that all plans and specifications comply with the applicable requirements of any governing building authorities.
2. The CUSTOMER is responsible for identifying all applicable building codes, zoning codes, or other regulations applicable to the Construction Project, including the metal building system in order to insure that MBO plans comply with the applicable requirements of any governing building authorities and to obtain appropriate approvals and secure necessary permits from City, County, State, OR Federal Agencies as required.
3. It is the responsibility of the CUSTOMER to interpret all aspects of the END USER'S specifications and incorporate the appropriate specifications, design criteria, and design loads into the Order Documents submitted to MBO.
4. CUSTOMER is responsible for setting of anchor bolts and erection of steel in accordance with MBO "For Construction" drawings only. Temporary supports such as guys, braces, false work, cribbing or other elements required for the erection operation shall be determined, furnished and installed by the ERECTOR. No items should be purchased from a preliminary set of drawing. Including anchor bolts. Use only final 'FOR CONSTRUCTION DRAWINGS' for this use. (Section 7 AISC Code of Standard Practice, 13th Edition.)
5. MBO standard specifications apply unless stipulated otherwise in the Contract Documents. MBO design, quality criteria, standards, practice, methods and tolerances shall govern the work with any other interpretations to the contrary notwithstanding. It is understood by both parties that the CUSTOMER is responsible for clarification of inclusions or exclusions from the architectural plans and/or specifications. In case of discrepancies between MBO structural steel plans and plans for other trades, MBO plans shall govern. (Section. 3 AISC Code of Standard Practices, 13th Edition).
6. It is the responsibility of MBO, through MBO's Engineer, to design the metal building system to meet the specifications including the design criteria and design loads incorporated by the CONTRACTOR into the Order Documents. MBO is not responsible for making an independent determination of any local codes or any other requirements not part of the Order Documents.
7. MBO is responsible only for the structural design of the metal building system. MBO or MBO's Engineer is not the Design Professional or Engineer of Record for the Construction Project. The supplying of sealed engineering data and drawings for the metal building system does not imply or constitute an agreement that MBO or its design engineers are acting as the engineer of record or design professional for a construction project. These drawings are sealed only to certify the design of the structural components.
8. MBO is responsible for the design of the anchor bolt to permit the transfer of forces between the base plate and the anchor bolt in shear, bearing and tension, but is not responsible for the transfer of anchor bolt forces to the concrete or the adequacy of the anchor bolt in relation to the concrete. Unless otherwise provided in the Order Documents, MBO does not deign and is not responsible for the design, material and construction of the foundation or foundation embedment. The CUSTOMER should assure himself that adequate provisions are made in the foundation design for loads imposed by column reactions of the building, other imposed loads, and bearing capacity of the soil and other conditions of the building site. It is recommended that the anchorage and foundation of the building be designed by a Registered Professional Engineer experienced in the design of such structures. (Chapter 1V Section 3.2.2 Metal Building Systems Manual 2006 Edition).
9. MBO's standard specifications apply unless stipulated otherwise in the Contract Documents. MBO design, quality criteria, standards, practice, methods and tolerances shall govern the work any other interpretations to the contrary notwithstanding. It is understood by both parties that the CUSTOMER is responsible for clarifications of inclusions or exclusions from the Architectural plans.
10. In case of discrepancies between MBO's structural steel plans and plans for other trades, MBO's shall govern ('Code of Standard Practice for Steel Buildings and Bridges' in the AISC Manual; Section 3.3)
11. The CUSTOMER is responsible for overall project coordination. All interface, compatibility and design considerations concerning any materials not furnished by MBO and MBO's steel system are to be considered and coordinated by the CUSTOMER. Specific design criteria concerning this interface between materials must be furnished before release for fabrication or CBC's assumptions will govern.
12. Anchor bolts and foundation bolts are designed, furnished, and set by the CUSTOMER in accordance with an approved drawing. Dimensional accuracy shall satisfy the requirements of Section 7.5.1 of 'Code of Standard Practice for Steel Buildings and Bridges' in the AISC Manual.
13. All other embedded items or connection materials between the structural steel and the work of other trades are located and set by the CUSTOMER in accordance with approved location on erection drawings. Accuracy of these items must satisfy the erection tolerance requirements.
14. MBO does not investigate the influence of the metal building system on existing buildings or structures. The CUSTOMER assures that such buildings and structures are adequate to resist snow drifts, wind loads, or other conditions as a result of the presence of the metal building system.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED

DESIGN LOADS

DESIGN CODE	IBC 12
ENCLOSURE	Closed
DEAD LOAD (psf)	BUILDING STRUCTURE ONLY
COLLATERAL LOAD (psf)	3
WIND LOAD	
WIND SPEED (BASIC OR ULT. PER CODE)	115
WIND IMPORTANCE FACTOR (Iw)	1.00
WIND EXPOSURE	C
INTERNAL PRESSURE COEF., GCPi	0.18 / -0.18
LIVE LOAD	
PRIMARY FRAMING (psf)	12
TRIBUTARY AREA REDUCTION	Yes
SECONDARY FRAMING (psf)	20.00
SNOW LOAD	
GROUND SNOW LOAD, Pg (psf)	0
ROOF SNOW LOAD, Pf (psf)	0
SLOPED ROOF SNOW LOAD, Ps (psf)	Pf x Cs
SNOW EXPOSURE FACTOR, Ce	1.00
SNOW IMPORTANCE FACTOR, Is	1.0000
THERMAL FACTOR, Ct	1.00
SLOPED FACTOR, Cs	1.0000
SEISMIC LOAD	
SEISMIC IMPORTANCE FACTOR, Ie	1.00
SEISMIC OCCUPANCY CATEGORY	II - Normal
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCEL.	Ss = 0.17 S1 = 0.05
SPECTRAL RESPONSE COEFFICIENT	Sds = 0.18 Sd1 = 0.09
SEISMIC DESIGN CATEGORY	B
BASIC FORCE RESISTING SYSTEMS USED	STEEL SYSTEM NOT DETAILED FOR SEISMIC RESISTANCE
	RIGID FRAMES
	BRACED FRAMES
TOTAL DESIGN BASE SHEAR, V (kips)	23.76
RESPONSE MODIFICATION FACTORS, R	RIGID FRAMES = 3
	END WALL X BRACING = 3
	SIDE WALL X BRACING = 3
SEISMIC RESPONSE COEFFICIENT, Cs	RIGID FRAMES = 0.059
	E. W. X BRACING = 0.059
	S. W. X BRACING = 0.059
ANALYSIS PROCEDURE USED	EQUIV. LATERAL FORCE PROCEDURE
RAINFALL INTENSITY (inches /Hr)	I1 = 4.0000 I2 = 7.0000

FRAMING / PANELS AND TRIMS

FRAMING COATING	
PRIMARY & SECONDARY	GOX
ROOF PANELS	
GA / PANEL TYPE	26 / PBR
PANEL COLOR	SIG 200 Roof
ROOF TRIM COLORS:	
GA / EAVE COLOR	26 / SIG 200 Trim
GA / GUTTER COLOR	26 / SIG 200 Trim
GA / GABLE COLOR	26 / SIG 200 Trim
WALL PANELS	
GA. / PANEL TYPE	26 / PBR
PANEL COLOR	SIG 200 Wall
WALL TRIM COLORS	
GA / CORNER COLOR	26 / SIG 200 Trim
GA / OPENING COLOR	26 / SIG 200 Trim
GA / DOWNSPOUT COLOR	26 / SIG 200 Trim
GA / BASE TRIM COLOR	26 / SIG 200 Trim
WAINSCOT PANELS	
GA / PANEL TYPE	/
PANEL COLOR	
WAINSCOT TRIM	
WAINSCOT TRIM COLOR	
LINER ROOF PANELS	
GA / PANEL TYPE	/
PANEL COLOR	
LINER WALL PANELS	
GA / PANEL TYPE	/
PANEL COLOR	
LINER TRIM	
LINER TRIM COLOR	
PARTITION PANELS	
GA / PANEL TYPE	
PANEL COLOR	
PARTITION TRIM	
PARTITION TRIM COLOR	
SOFFIT PANELS	
GA / PANEL TYPE	/
PANEL COLOR	
SOFFIT TRIM	
SOFFIT TRIM COLOR	
FASCIA PANELS	
GA / FRONT PANEL TYPE	/
FRONT PANEL COLOR	
GA / BACK PANEL TYPE	/
BACK PANEL COLOR	
FASCIA TRIM	
FASCIA TRIM COLOR	

LEAN-TO MEZZANINE LOADS

	MEZZ. 1	MEZZ. 2	MEZZ. 3
DEAD LOAD (psf)	43		
PARTITION DEAD LOAD (psf)	--		
COLLATERAL LOAD ABOVE (psf)	--		
COLLATERAL LOAD BELOW (psf)	5		
LIVE LOAD (psf)	100		

CRANE LOADS

	SYSTEM A		SYSTEM B		SYSTEM C	
TYPE						
VERTICAL IMPACT FACTOR						
RAIL TYPE						
	CRANE 1A	CRANE 2A	CRANE 1B	CRANE 2B	CRANE 1C	CRANE 2C
CAPACITY (Tons.)						
SERVICE CLASS						
BRIDGE WEIGHT (lbs.)						
TROLLEY WEIGHT (lbs.)						
Max. WHEEL LOAD (lbs.)						
WHEEL BASE OUTSIDE (ft.)						
WHEEL BASE INSIDE (ft.)						

DEFLECTION LIMITS:

EW COLUMN:	120
EW RAFTER LIVE:	180
EW RAFTER WIND:	180
WALL GIRT:	90
PURLIN LIVE:	180
PURLIN WIND:	120
WALL PANEL:	90
ROOF PANEL LIVE:	180
ROOF PANEL WIND:	120
RF HORIZONTAL:	100
RF VERTICAL:	180 *
WIND BENT:	100
RF CRANE:	100
RF SEISMIC:	50
WIND BENT SEIS.:	50

ERECTION NOTES

1. All bracing shown and provided by MBO for this building is required and shall be installed by the ERECTOR as a permanent part of the structure ('Code of Standard Practice for Steel Buildings and Bridges' in the AISC Manual; Section 7.9).

2. Temporary supports, such as guys, braces, false work, cribbing or other elements required for the erection operation shall be determined and furnished by the ERECTOR ('Code of Standard Practice for Steel Buildings and Bridges' in the AISC Manual; Section 7.9).

3. Normal erection operations include the correction of minor misfits by moderate amounts of reaming, chipping, or cutting and the drawing of elements into line through use of drift pins. Errors which require major changes in the member configuration are to be reported immediately to MBO by the CUSTOMER to enable whoever is responsible either to correct the error or to approve the most efficient and economic method of correction to be used by others ('Code of Standard Practice For Steel Buildings and Bridges' in the AISC Manual; Section 7.12).

4. Erection tolerances are set forth in AISC Code of Standard Practice 7.11 except that individual members are considered plumb, level and aligned if the deviation does not exceed 1:300. Variations in finished overall dimensions of structural steel framing are deemed within the limits of good practice when they do not exceed the cumulative effect of rolling, fabricating, and erection tolerances.

 4.1. When crane support systems are part of the metal building system erection tolerances Section 9, Common Industry Practices, 1996 MBMA Low Rise Building Systems Manual shall apply. To achieve the required tolerances grouting of the columns and shimming of the runway beams may be required. The CUSTOMER shall provide grout if required. The CONTRACTOR erecting the runway beams is responsible for shimming, plumbing, and leveling of the runway system. When aligning the runway beams the alignment shall be with respect to the beam webs so that the center of the aligned rail is over the runway web.

5. As a general rule Field welding is not used to assemble a metal building system. In cases where the drawings indicate field welding and in cases where approved corrections are to be made by field welding the following requirements shall be met:

 5.1. Welders must be qualified by an independent testing agency, with suitable documentation to AWS D1.1 Structural Welding Code Steel or AWS D1.3 Structural Welding Code - Sheet Steel as applicable, for the processes, positions, and materials involved.

 5.2. All welds must be made in conformance to a documented and approved Welding Procedure Specification (WPS). All joints which are not pre-qualified must be supported by a certified Procedure Qualification Record (PQR) by an independent testing agency.

6. All documentation and records shall be the responsibility of the CUSTOMER.

7. Any claims or shortages by buyer must be made to MBO within seven (7) working days after delivery, or such claims will be considered to have been waived by the CUSTOMER and disallowed. All claims should be directed to CBC Customer Service Department.

8. Claims for correction of alleged misfits will be disallowed unless MBO shall have received prior notice thereof and allowed reasonable inspection of such misfits. Ordinary inaccuracies of shop work shall not be construed as misfits. No part of the building may be returned or charges assessed for alleged misfits without prior approval from MBO.

9. Neither MBO nor the CUSTOMER will cut, drill or otherwise alter their work, or the work of other trades to accommodate other trades unless such work is clearly specified in the contract documents. Whenever such work is specified the CUSTOMER is responsible for furnishing complete information as to materials, size, location, and number of alterations prior to preparation of shop drawings ('Code of Standard Practice for Steel Buildings and Bridges' in the AISC Manual; Section 7.13).

10. MBO Field Modifications Policy:

 10.1. MBO will only be responsible for the field-modified parts designed and approved by the MBO Engineering Department.

 10.2. Any field modifications designed by third parties may not be approved by MBO and may limit MBO's warranty and liability.

 10.3. MBO makes no warranty and hereby disclaims any responsibility with respect to the design, engineering, or construction of any field-modified parts performed by third parties.

11. WARNING in no case should Galvalume steel panels be used in conjunction with lead or copper. Both lead and copper have harmful corrosive effects on the Galvalume alloy coating when they are in contact with Galvalume steel panels. Even run-off from copper flashing, wiring, or tubing onto Galvalume should be avoided.

12. It is strongly recommended that safe working conditions and accident prevention practices be the top priority of any job site. Local, State and Federal safety and health standards should always be followed to help insure workers safety. Make certain all employees know the safest and most productive way of erecting a building. Emergency procedures should be known to all employees. Daily meetings highlighting safety procedures are also recommended. The use of hard hats, rubber sole shoes for roof work, proper equipment for handling material, and safety nets where applicable, are recommended.

13. Roof drainage systems (gutter, downspouts, etc.) must be free of any obstruction to ensure smooth operation at any given time.

14. It is recommended by Factory Mutual (Reference! 82.44) that roof be cleared of snow by the CUSTOMER when half of the maximum snow depth is reached. The maximum snow depth can be estimated based on the design snow load and the density of snow and/or ice buildup. See chart below:

Roof Snow Load (in PSF)	Equivalent Snow Height at Roof (in Inches)	Recommended Snow Height When Snow Removal Should Start (in Inches)
20	16.60	8.30
25	17.25	8.62
30	17.90	8.95
35	18.55	9.28
40	19.20	9.60
45	19.85	9.92
50	20.50	10.25
55	21.15	10.58
60	21.80	10.90

Note: For Snow / Ice Removal, Refer to Metal Building System Manual 2006 Edition, Section A9 Page A-60

BUILDING DESCRIPTION

WIDTH (FT)	130	50
LENGTH (FT)	110	110
BACK SIDE WALL EAVE HEIGHT (FT)	34.17	30
FRONT SIDE WALL EAVE HEIGHT (FT)	30	34.17
BACK SIDE WALL ROOF SLOPE	1.0:12	1.0:12
FRONT SIDE WALL ROOF SLOPE	1.0:12	--
BAY SPACING (FT)	8'-0", 14'-0", 4 @ 22'-0"	5 @ 22'-0"

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT MBO ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY THE FABRICATOR IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL AND MECHANICAL SYSTEMS AND / OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN THE FABRICATOR ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

* = HANGAR DOOR SUPPORT FRAMES ARE DESIGNED TO ACCOMODATE 6" DOWN & 5" UP VERTICAL DEFLECTIONS

FOR APPROVAL
NOT FOR CONSTRUCTION

- ☐ APPROVED WITHOUT EXCEPTION
- ☐ APPROVED AS NOTED
- ☐ DISAPPROVED RESUBMIT

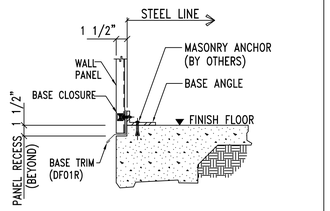
SIGNED: _____ DATE: _____

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYV	NMM

METAL BUILDING OUTLET CORP.

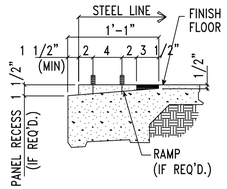
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	Glendale, AZ 85307
COUNTY	

S.O.# 10565-RA | JOB# 10565RA | SCALE N.T.S. | DWG# C1



A SECTION

NTS



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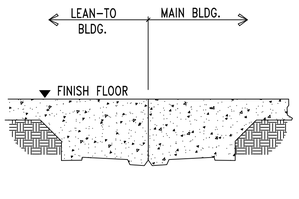
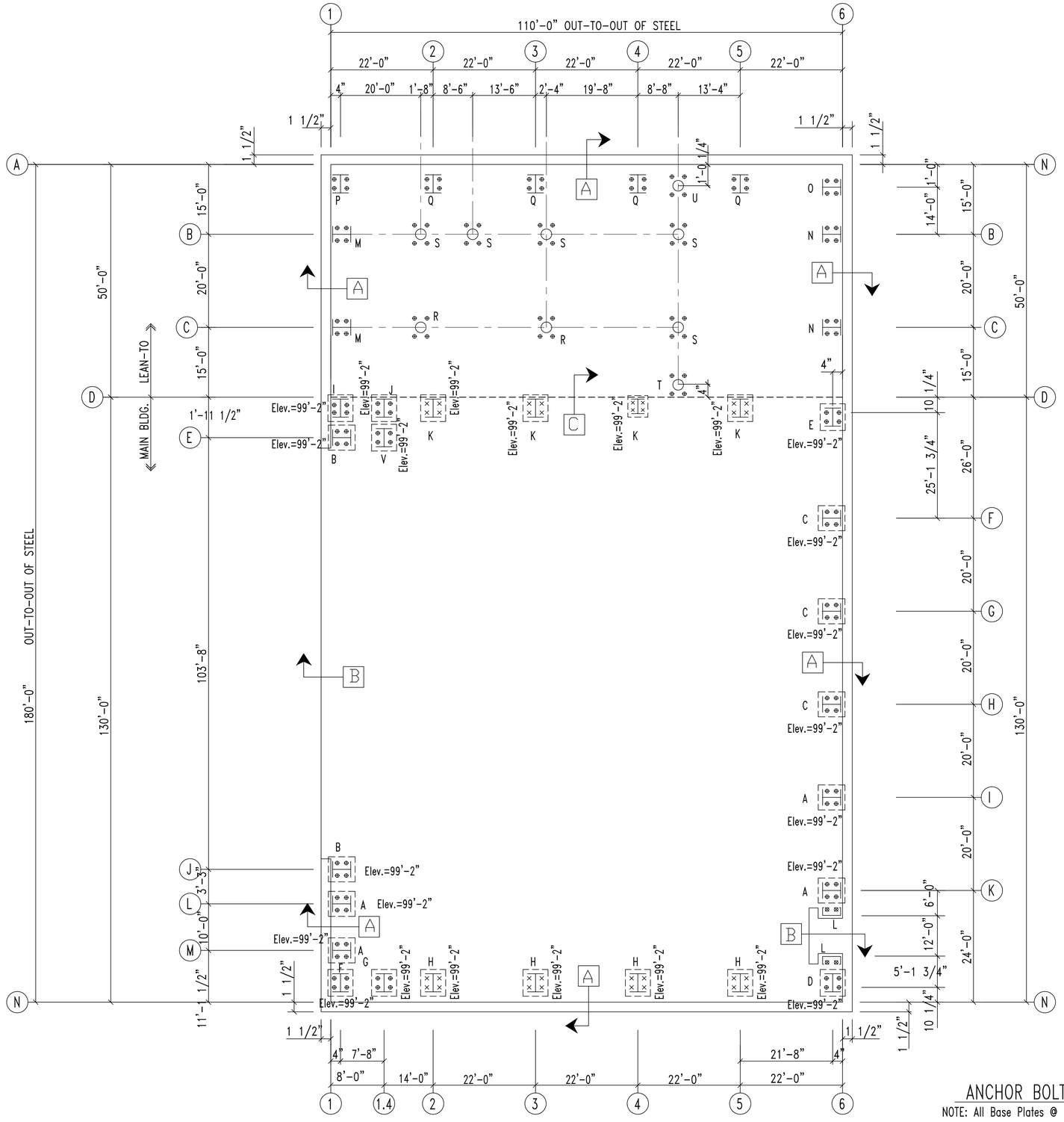


C SECTION

NTS



ANCHOR BOLT PLAN

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

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ANCHOR BOLT PLAN
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

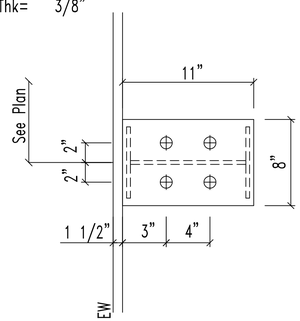
S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	F1 of F4

FOR APPROVAL
NOT FOR CONSTRUCTION

- ☐ APPROVED WITHOUT EXCEPTION
- ☐ APPROVED AS NOTED
- ☐ DISAPPROVED RESUBMIT

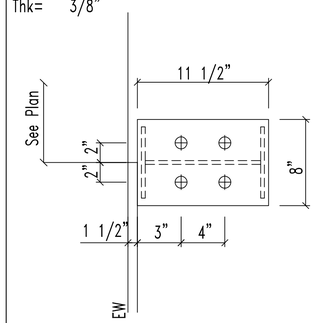
SIGNED: _____ DATE: _____

Dia= 3/4"
Thk= 3/8"



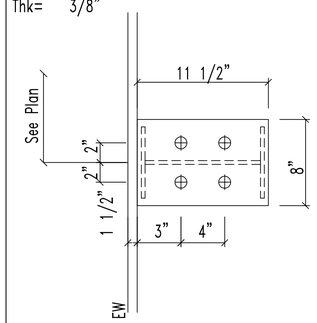
DETAIL A ELEV.= 99'-2"

Dia= 3/4"
Thk= 3/8"



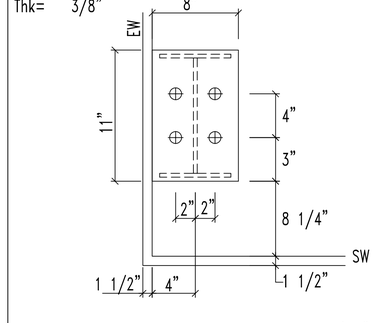
DETAIL B ELEV.= 99'-2"

Dia= 3/4"
Thk= 3/8"



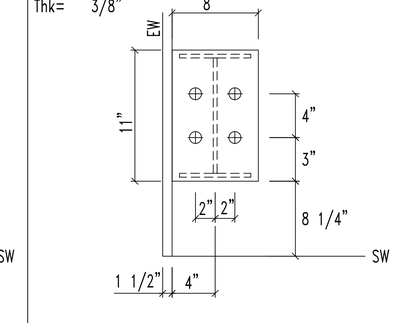
DETAIL C ELEV.= 99'-2"

Dia= 3/4"
Thk= 3/8"



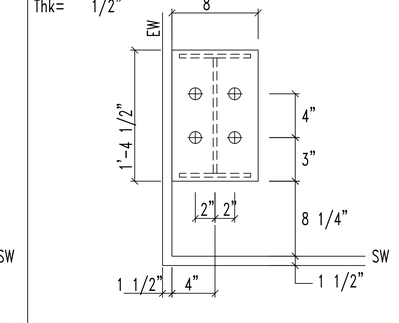
DETAIL D ELEV.= 99'-2"

Dia= 3/4"
Thk= 3/8"



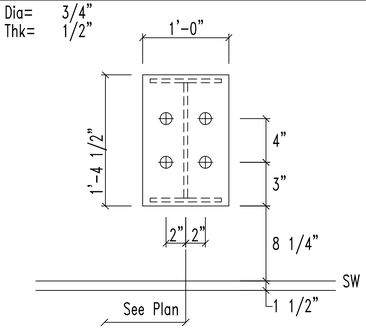
DETAIL E ELEV.= 99'-2"

Dia= 3/4"
Thk= 1/2"



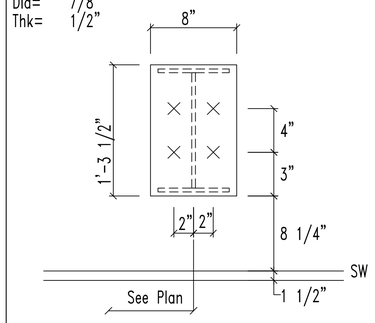
DETAIL F ELEV.= 99'-2"

Dia= 3/4"
Thk= 1/2"



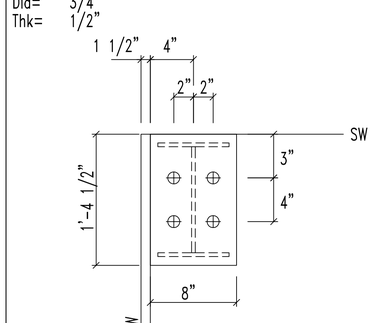
DETAIL G ELEV.= 99'-2"

Dia= 7/8"
Thk= 1/2"



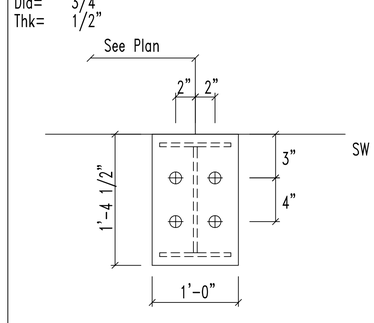
DETAIL H ELEV.= 99'-2"

Dia= 3/4"
Thk= 1/2"



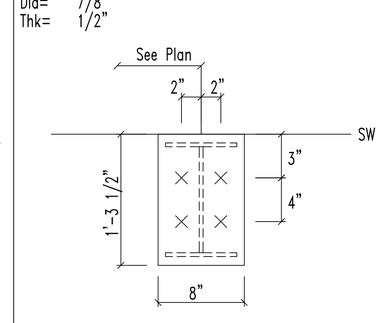
DETAIL I ELEV.= 99'-2"

Dia= 3/4"
Thk= 1/2"



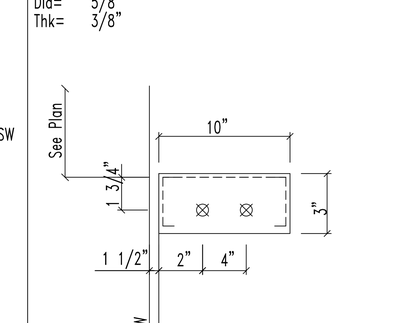
DETAIL J ELEV.= 99'-2"

Dia= 7/8"
Thk= 1/2"



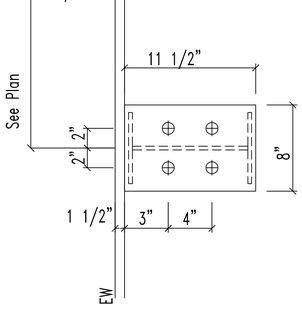
DETAIL K ELEV.= 99'-2"

Dia= 5/8"
Thk= 3/8"



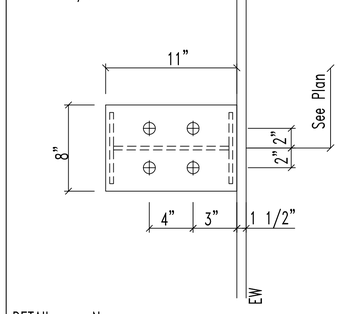
DETAIL L

Dia= 3/4"
Thk= 3/8"



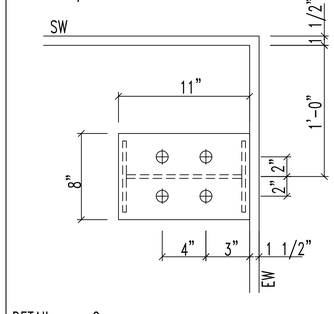
DETAIL M

Dia= 3/4"
Thk= 3/8"



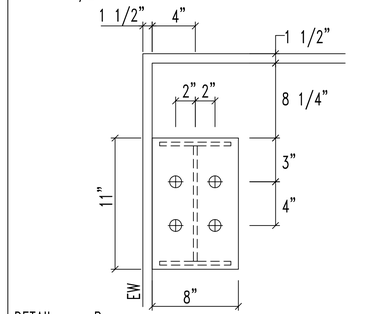
DETAIL N

Dia= 3/4"
Thk= 3/8"



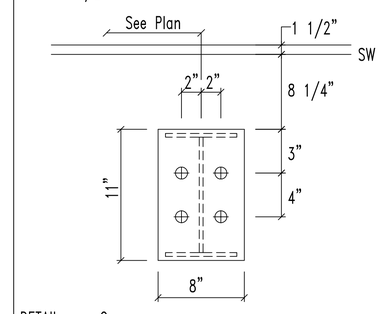
DETAIL O

Dia= 3/4"
Thk= 1/2"



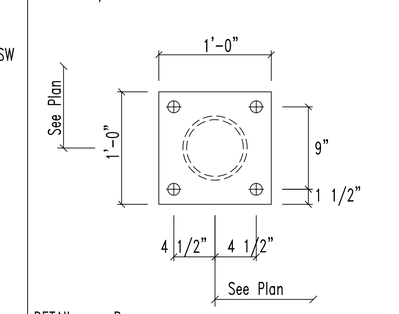
DETAIL P

Dia= 3/4"
Thk= 1/2"



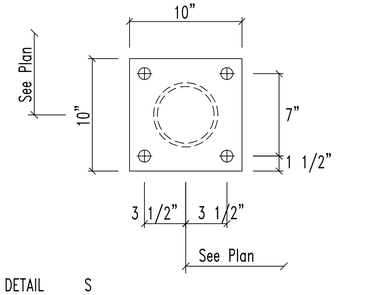
DETAIL Q

Dia= 3/4"
Thk= 3/8"



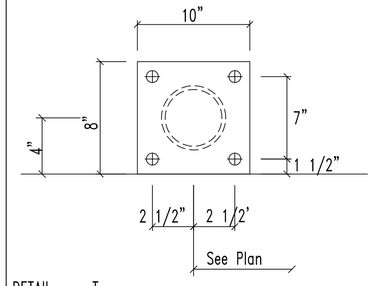
DETAIL R

Dia= 3/4"
Thk= 1/2"



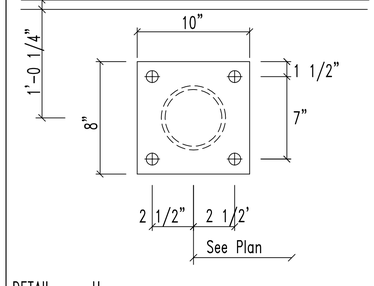
DETAIL S

Dia= 3/4"
Thk= 1/2"



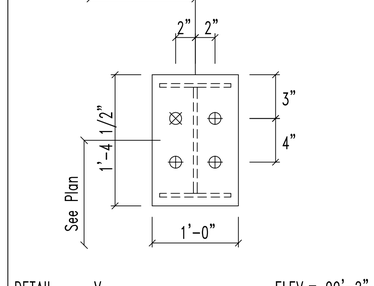
DETAIL T

Dia= 3/4"
Thk= 1/2"



DETAIL U

Dia= 3/4"
Thk= 1/2"



DETAIL V ELEV.= 99'-2"

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ANCHOR BOLT DETAILS
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	F2 of F4

FOR APPROVAL
NOT FOR CONSTRUCTION

- ☐ APPROVED WITHOUT EXCEPTION
- ☐ APPROVED AS NOTED
- ☐ DISAPPROVED RESUBMIT

SIGNED: _____ DATE: _____

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Floor Horiz	Floor Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
1.4	D	3.6	10.0	1.0	2.1	3.8	8.4	0.0	0.0	-12.8	-21.6	-4.6	-17.0
1.4	N	-3.6	9.0	-1.0	2.1	-3.8	8.5	0.0	0.0	1.8	-14.1	13.5	-24.5
1	D	3.3	15.3	0.4	2.2	1.5	7.0	-0.2	9.2	-5.2	-18.4	-1.9	-12.2
1	N	-3.3	7.6	-0.4	0.9	-1.6	3.5	0.3	-0.2	0.7	-5.8	5.5	-10.2
2*	D	3.7	17.6	2.6	6.9	10.5	23.5	-0.3	18.3	-21.9	-45.1	-11.3	-33.7
2*	N	-3.6	7.4	-2.6	4.3	-10.6	17.2	0.6	-0.3	7.0	-22.0	23.8	-35.0
5	D	3.9	9.5	2.6	5.9	10.5	23.5	0.1	0.1	-26.6	-51.2	-14.0	-38.3
5	N	-3.9	7.6	-2.7	4.3	-10.6	17.2	0.1	-0.1	8.1	-25.3	28.9	-42.4

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
1.4	D	-11.2	-14.3	-3.0	-9.7	-2.5	-14.4	-4.7	-14.4	-0.6	-0.3	0.6	0.3
1.4	N	0.2	-6.7	11.9	-17.2	2.9	-12.0	4.1	-17.0	-0.6	0.3	0.6	-0.3
1	D	-4.6	-12.6	-1.2	-6.4	1.5	-11.5	0.5	-11.5	-2.7	-1.3	2.7	1.3
1	N	0.0	-2.8	4.9	-7.1	3.3	-6.2	3.8	-8.3	-2.1	1.1	2.1	-1.1
2*	D	-16.5	-25.0	-6.0	-13.7	-4.7	-68.5	-10.2	-68.5	-2.7	-0.9	2.7	0.9
2*	N	1.6	-7.1	18.5	-20.1	14.3	-44.7	17.6	-54.9	-1.8	0.9	1.8	-0.9
5	D	-21.1	-31.2	-8.5	-18.2	-4.7	-68.5	-10.2	-68.5	-1.4	-0.7	1.4	0.7
5	N	2.6	-10.4	23.5	-27.4	14.3	-44.7	17.6	-54.9	-1.5	0.7	1.5	-0.7

Frame Line	Column Line	Seismic_Long Horiz	Seismic_Long Vert
1.4	D	0.0	0.0
1.4	N	0.0	0.0
1	D	0.0	0.0
1	N	0.0	0.0
2*	D	0.0	-8.1
2*	N	0.0	-2.6
5	D	0.0	-8.1
5	N	0.0	-2.6

2* Frame lines: 2 3 4

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Panel_Shear (lb/ft) Seis	Note
L_EW	1								(h)
F_SW	N	2,3	14.0	18.0	2.1	2.6			
		4,5	14.0	18.0	2.1	2.6			
R_EW	6	I,H	5.7	9.9	1.9	3.2			
B_SW	D	5,4	19.4	28.7	5.5	8.1			
		3,2	19.4	28.7	5.5	8.1			

(h)Rigid frame at endwall

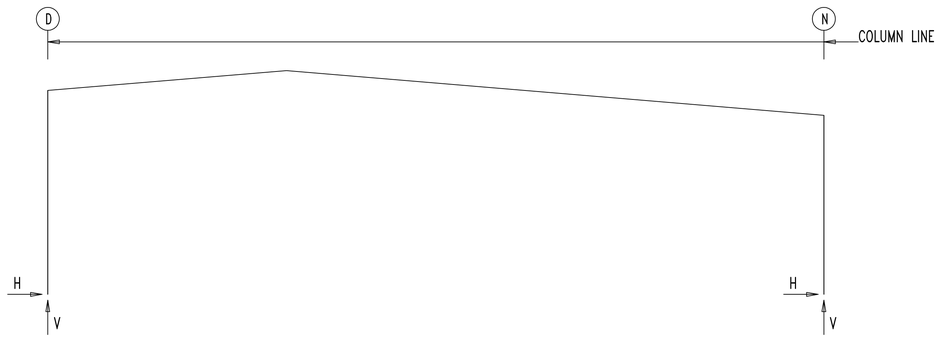
NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	130.0
Length (ft)	=	110.0
Eave Height (ft)	=	34.2/ 30.0
Roof Slope (rise/12)	=	1.0/ 1.0
Dead Load (psf)	=	2.5
Collateral Load (psf)	=	3.0
Roof Live Load(psf)	=	20.0
Frame Live Load(psf)	=	12.0
Wind Speed (mph)	=	115.0
Wind Code	=	IBC 12
Exposure	=	C
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (Fa*Ss)	=	0.26

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Long1L
5	0.6Dead+0.6Wind_Long2L
6	1.02Dead+1.02Collateral+0.75Live+0.53Seismic_Left
7	1.02Dead+1.02Collateral+0.75Live+0.53Seismic_Right
8	1.02Dead+1.02Collateral+0.53Seismic_Right
9	Dead+Collateral+0.75Live+0.75Floor_Live
10	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
11	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
12	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
13	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
14	Dead+Collateral+E2PAT_LL_6
15	Dead+Collateral+E2PAT_LL_1
16	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
17	Dead+Collateral+0.75Live+0.45Wind_Right2+0.45Wind_Suction
18	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
19	Dead+Collateral+E2PAT_LL_3
20	Dead+Collateral+E2PAT_LL_4
21	Dead+Collateral+E2PAT_LL_5

FRAME LINES: 1 1.4 2 3 4 5



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1	D	7	6.3	23.8	2	-1.1	-1.8	4	0.750	8.000	16.50	0.500	-10
		9	4.7	29.7									
1	N	3	1.4	-1.5	6	-6.0	11.9	4	0.750	8.000	16.50	0.500	-10
		1	-5.2	12.0	3	1.4	-1.5						

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1.4	D	1	8.4	20.5	2	-5.5	-6.9	4	0.750	12.00	16.50	0.500	-10
1.4	N	3	5.9	-9.3	1	-8.4	19.6	4	0.750	12.00	16.50	0.500	-10
		1	-8.4	19.6	3	5.9	-9.3						

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
2*	D	1	16.9	48.1	2	-10.9	-16.5	4	0.875	8.000	15.50	0.500	-10
		9	14.0	55.9	4	-0.6	-30.6						
2*	N	3	12.1	-16.6	1	-16.9	29.0	4	0.875	8.000	15.50	0.500	-10
		1	-16.9	29.0	5	8.4	-28.5						

2* Frame lines: 2 3 4

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
5	D	1	17.1	39.0	2	-13.6	-25.0	4	0.875	8.000	15.50	0.500	-10
					4	-0.5	-35.4						
5	N	3	15.0	-20.9	1	-17.1	29.1	4	0.875	8.000	15.50	0.500	-10
		1	-17.1	29.1	5	8.2	-28.4						

ENDWALL COLUMN REACTIONS(k)

MAXIMUM VERTICAL Dead+Collateral+Live	= 8.7
MAXIMUM VERTICAL Dead+Wind	= -12.9
MAXIMUM HORIZONTAL Dead+Wind	= 22.8

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ANCHOR BOLT REACTIONS
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	F3 of F4

FOR APPROVAL
NOT FOR CONSTRUCTION

- ☐ APPROVED WITHOUT EXCEPTION
- ☐ APPROVED AS NOTED
- ☐ DISAPPROVED RESUBMIT

SIGNED: _____ DATE: _____

RIGID FRAME: BASIC COLUMN REACTIONS (k)

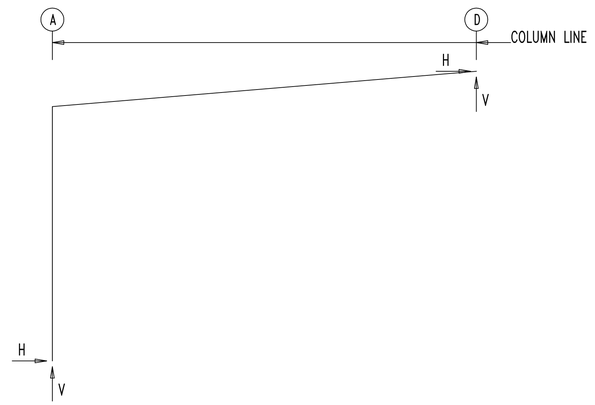
Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Floor Horiz	Floor Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
1	A	-0.1	5.7	0.0	1.3	0.0	3.7	-0.1	8.7	-1.9	-9.7	2.7	-6.0
1	D	0.1	1.1	0.0	0.8	0.0	3.5	0.1	0.0	-0.3	-9.4	4.0	-5.1
2*	A	-0.1	10.3	0.0	2.5	0.1	6.8	-0.3	16.8	-2.1	-14.1	4.2	-9.4
2*	D	0.1	1.8	0.0	1.6	-0.1	6.4	0.3	0.0	0.3	-13.6	6.2	-8.1
5	A	0.0	2.3	0.0	1.7	0.1	6.8	0.0	0.0	-2.2	-14.1	4.2	-9.4
5	D	0.0	1.8	0.0	1.6	-0.1	6.4	0.0	0.0	0.3	-13.5	6.2	-8.1

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
1	A	-3.6	-6.4	1.0	-2.7	3.0	-19.0	3.0	-19.0	-0.5	0.0	0.5	0.0
1	D	-2.7	-6.6	1.5	-2.3	4.6	-6.8	4.6	-6.8	-0.7	0.0	0.7	0.0
2*	A	-5.4	-7.9	1.0	-3.2	5.6	-26.1	5.6	-26.1	-0.9	0.1	0.9	-0.1
2*	D	-4.3	-8.3	1.6	-2.8	8.7	-12.9	8.7	-12.9	-1.2	-0.1	1.2	0.1
5	A	-5.4	-7.9	1.0	-3.2	5.6	-14.8	5.6	-14.8	0.0	0.0	0.0	0.0
5	D	-4.3	-8.3	1.6	-2.8	8.7	-12.8	8.7	-12.8	-0.5	0.0	0.5	0.0

Frame Line	Column Line	Seismic_Long Horiz	Seismic_Long Vert
1	A	0.0	-4.8
1	D	0.0	0.0
2*	A	0.0	-4.8
2*	D	0.0	0.0
5	A	0.0	0.0
5	D	0.0	0.0

2* Frame lines: 2 3 4

FRAME LINES: 1 2 3 4 5



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
1	A	9	1.7	-8.0	4	-2.2	1.8	4	0.750	8.000	11.00	0.500	0.0
		6	1.2	17.8	9	1.7	-8.0						
1	D	5	2.8	-3.0	8	-1.6	-3.3	0	0.000	0.000	0.000	0.000	0.0
		1	0.0	5.4	7	-0.1	-5.0						

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
2*	A	9	3.3	-9.5	4	-3.3	5.6	4	0.750	8.000	11.00	0.500	0.0
		3	-0.3	30.5	9	3.3	-9.5						
2*	D	5	5.4	-5.9	8	-2.5	-3.9	0	0.000	0.000	0.000	0.000	0.0
		1	0.0	9.9	7	0.2	-7.0						

2* Frame lines: 2 3 4

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
5	A	5	3.4	-6.6	8	-3.2	-3.4	4	0.750	8.000	11.00	0.500	0.0
		1	0.1	10.8	10	3.4	-7.5						
5	D	10	5.2	-6.6	4	-2.6	-3.2	0	0.000	0.000	0.000	0.000	0.0
		1	-0.1	9.9	7	0.2	-7.0						

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1								(h)
F_SW	D								(e)
R_EW	6								(e)
B_SW	A	2,1	8.6	11.2	6.8	4.8			

(e)Bracing loads must be applied to supporting building
(h)Rigid frame at endwall

NOTES FOR REACTIONS

Building reactions are based on the following building data:

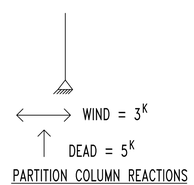
Width (ft)	=	50.0
Length (ft)	=	110.0
Eave Height (ft)	=	30.0/ 34.2
Roof Slope (rise/12)	=	1.0
Dead Load (psf)	=	2.5
Collateral Load (psf)	=	3.0
Roof Live Load(psf)	=	20.0
Frame Live Load		
Min(psf)	=	12.0
Max(psf)	=	12.4
Wind Speed (mph)	=	115.0
Wind Code	=	IBC 12
Exposure	=	C
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (Fa*Ss)	=	0.26

ID	Description
1	Dead+Collateral+Live
2	Dead+Collateral+Floor_Live
3	Dead+Collateral+0.75Live+0.75Floor_Live
4	Dead+0.6Wind_Left2
5	Dead+0.6Wind_Long2R
6	Dead+Collateral+0.75Live+0.45Wind_Long2R+0.75Floor_Live
7	0.6Dead+0.6Wind_Left1
8	0.6Dead+0.6Wind_Left2
9	0.6Dead+0.6Wind_Long2L
10	0.6Dead+0.6Wind_Long2R
11	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
12	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
13	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
14	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
15	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L

ENDWALL COLUMN REACTIONS(k)

MAXIMUM VERTICAL Dead+Collateral+Live	=	28.6 (Ln.1)
MAXIMUM VERTICAL Dead+Collateral+Live	=	6.2 (Ln.6)
MAXIMUM VERTICAL Dead+Wind	=	-6.2
MAXIMUM HORIZONTAL Dead+Wind	=	7.7

MEZZ. DEAD LOAD = 433PSF
MEZZ. COLL LOAD = 5 PSF
MEZZ. LIVE LOAD = 100 PSF



PARTITION COLUMN REACTIONS

MEZZANINE COLUMN DESIGN

MEZZANINE COLUMN	PIPE SIZE	(MEZZ. DEAD + COLLAT + LIVE) VERTICAL REACTION (KIPS)	(MEZZ. DEAD + COLLAT + LIVE) HORIZONTAL REACTION (KIPS)	ANCHOR BOLT / BASE PLATE
MC-1	4 1/2"ø x 0.116 THK.	6.0	0.0	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-2	6 5/8"ø x 0.116 THK.	45.0	0.0	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-3	6 5/8"ø x 0.116 THK.	59.0	0.0	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-4	8 5/8"ø x 0.174 THK.	71.0	0.0	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-5	6 5/8"ø x 0.116 THK.	34.0	0.0	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-6	6 5/8"ø x 0.116 THK.	41.0	0.0	(4) 3/4"ø A.B W/ 5/8" B.P.

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

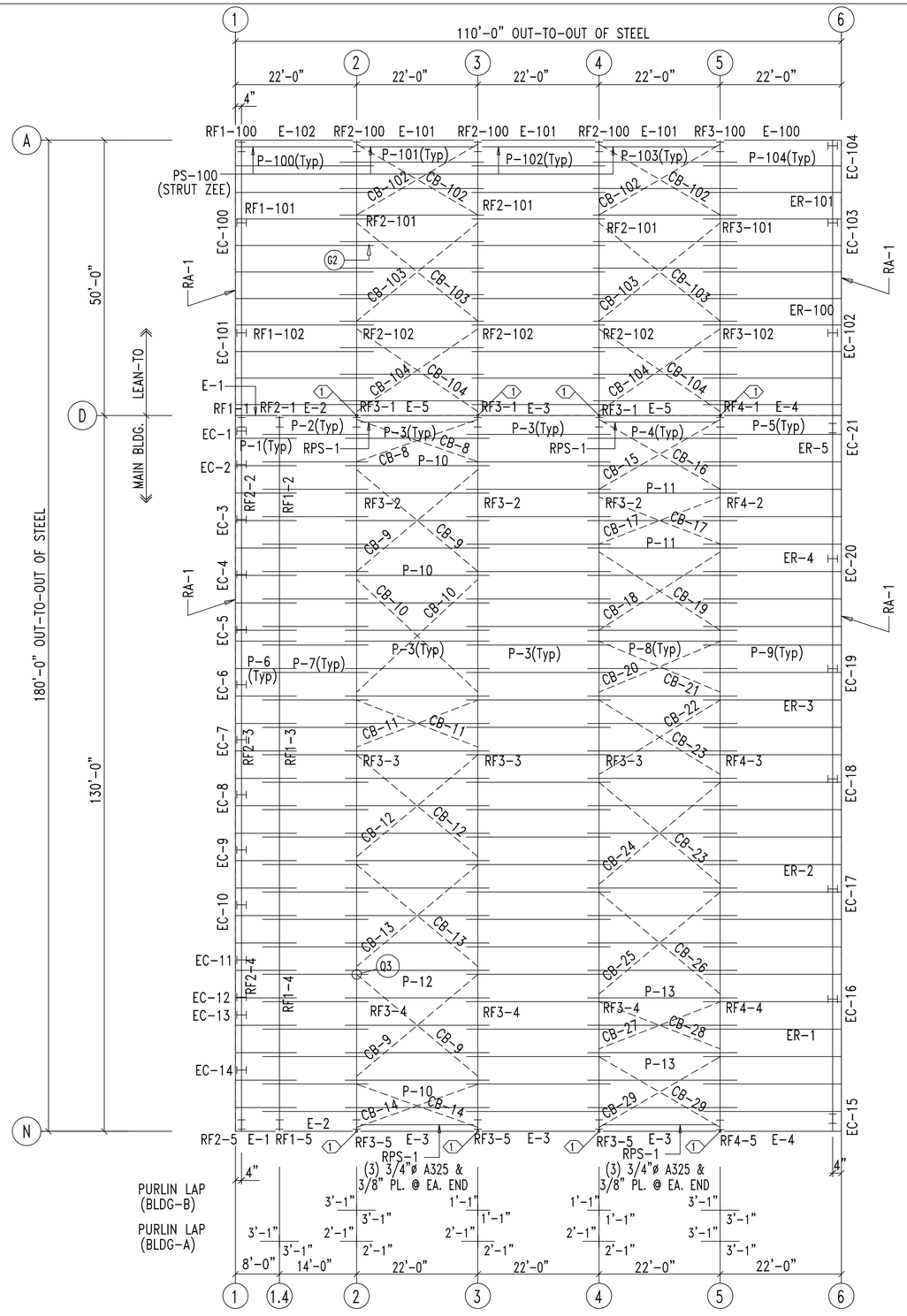
DESCRIPTION	ANCHOR BOLT REACTION
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	F4 of F4

FOR APPROVAL
NOT FOR CONSTRUCTION

- ☐ APPROVED WITHOUT EXCEPTION
- ☐ APPROVED AS NOTED
- ☐ DISAPPROVED RESUBMIT

SIGNED: _____ DATE: _____



ROOF FRAMING PLAN

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE

SPECIAL BOLTS
ROOF PLAN

◇ ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	0

MEMBER TABLE
ROOF PLAN

MARK	PART
P-1	8x25Z16
P-2	8x25Z16
P-3	8x25Z16
P-4	8x25Z16
P-5	8x25Z16
P-6	8x25Z16
P-7	8x25Z16
P-8	8x25Z16
P-9	8x25Z16
P-10	8x25Z12
P-11	8x25Z12
P-12	8x25Z14
P-13	8x25Z12
E-1	E085341L
E-2	E085341L
E-3	E085341L
E-4	E085341L
E-5	E085321L
CB-29	BR3/4
CB-8	BR13/16
CB-9	BR3/4
CB-10	BR9/16
CB-11	BR1/2
CB-12	BR1/2
CB-13	BR9/16
CB-14	BR3/4
CB-15	BR3/4
CB-16	BR3/4
CB-17	BR3/4
CB-18	BR5/8
CB-19	BR5/8
CB-20	BR1/2
CB-21	BR1/2
CB-22	BR1/2
CB-23	BR1/2
CB-24	BR1/2
CB-25	BR5/8
CB-26	BR5/8
CB-27	BR3/4
CB-28	BR3/4
RPS-1	6 5/8"øx0.116 PIPE
PS-100	8x25Z14

MEMBER TABLE
ROOF PLAN

MARK	PART
P-100	8x25Z12
P-101	8x25Z16
P-102	8x25Z16
P-103	8x25Z16
P-104	8x25Z12
E-100	E085341L
E-101	E085341L
E-102	E085341L
CB-102	BR1/2
CB-103	BR1/2
CB-104	BR1/2

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ROOF FRAMING PLAN
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

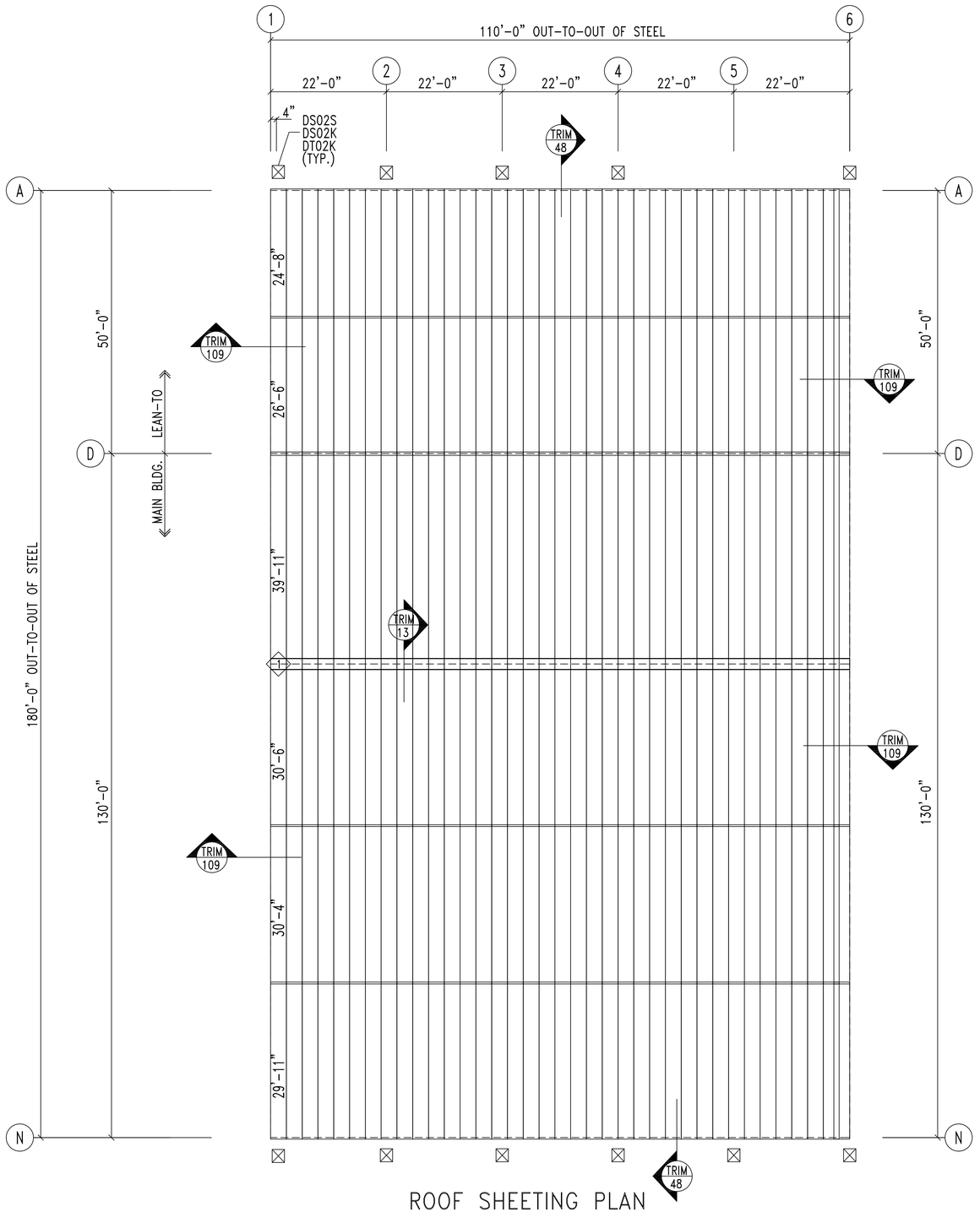
S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E1 of E18

FOR APPROVAL
NOT FOR CONSTRUCTION

- ☐ APPROVED WITHOUT EXCEPTION
- ☐ APPROVED AS NOTED
- ☐ DISAPPROVED RESUBMIT

SIGNED: _____ DATE: _____

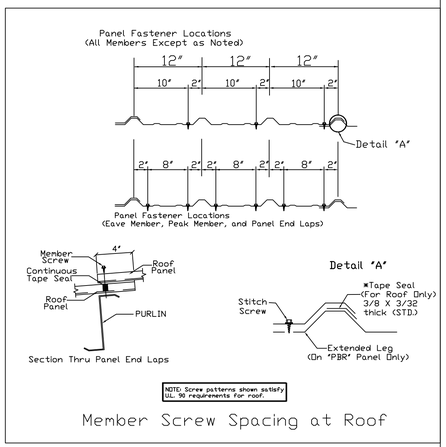
TRIM TABLE ROOF PLAN				
◇ID	QUAN	PART	LENGTH	DETAIL
1	37	RPR-01	3'-0"	TRIM_13



ROOF SHEETING PLAN

PANELS: 26 Ga. PBR – SIG 200 Roof

NOTE : SOFFIT PANEL ARE NOT BY CBC



Member Screw Spacing at Roof

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ROOF FRAMING PLAN						
BUYER / CUSTOMER	Steve Fox						
END USER	Steve Fox						
END USE	Commercial						
STREET							
CITY, STATE, ZIP	GLENDALE, AZ 85307						
COUNTY							
S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E2 of E18

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT CBC ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY THE FABRICATOR IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL AND MECHANICAL SYSTEMS AND / OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN THE FABRICATOR ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

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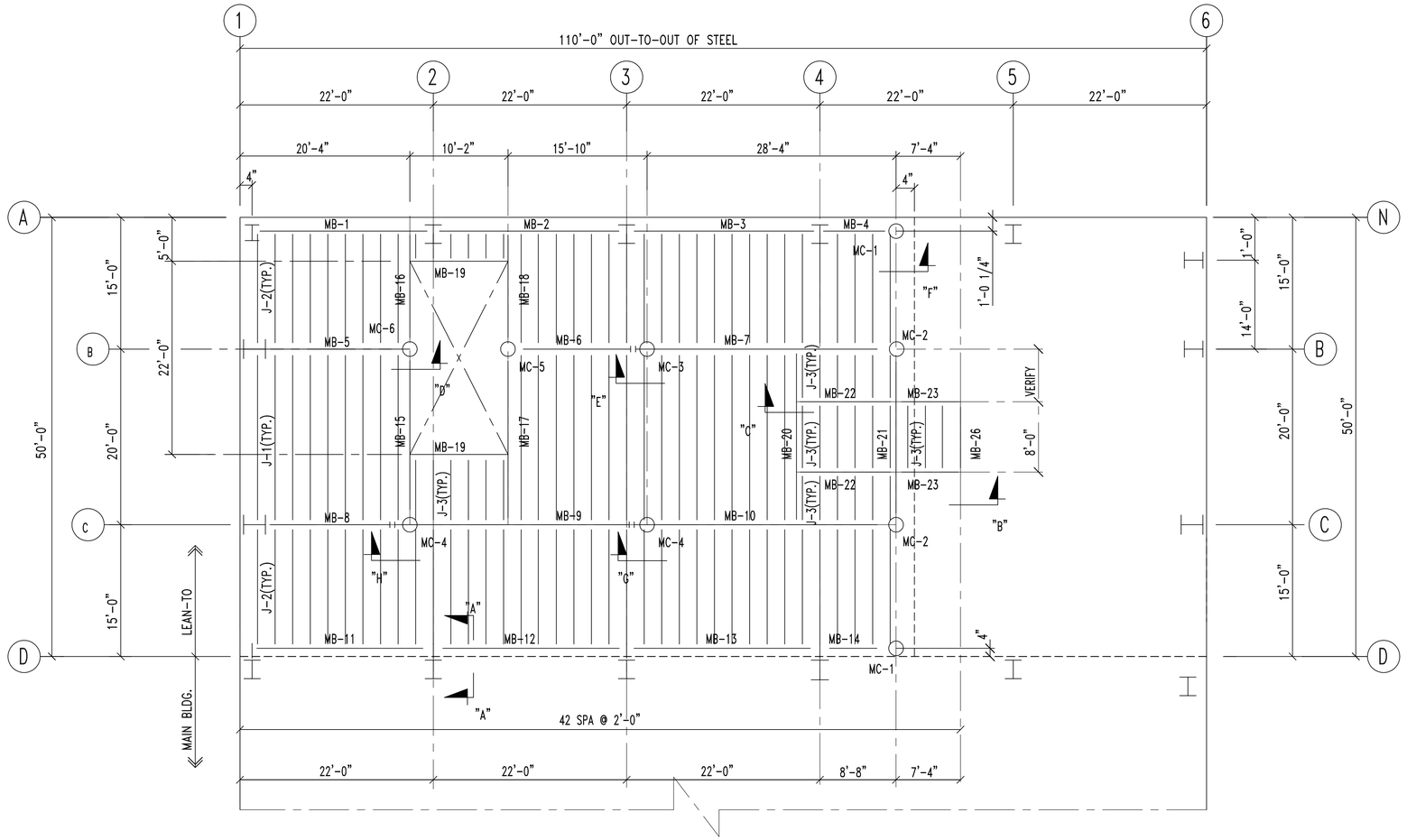
SIGNED: _____ DATE: _____



MEZZANINE PLAN

TOP OF MEZZ. = 12'-0"

NOTE : SEE E4 FOR SECTION AND DETAILS

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE

MEZZANINE BEAM MEMBER TABLE

MEZZ.BEAM	SIZE	CONNECTION PLATE AND BOLT SCHEDULE
MB-1	W12683	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-2	W12683	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-3	W12683	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-4	W10642	(2) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-5	W14683	(4) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-6	W16683	See Mezzanine Details E & D
MB-7	W24x55	See Mezzanine Details E & F
MB-8	W14683	(4) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-9	W24x55	See Mezzanine Details H & G
MB-10	W24x55	See Mezzanine Details F & G
MB-11	W12683	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-12	W12683	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-13	W12683	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-14	W10642	(2) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-15	W12683	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-16	W12642	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-17	W12683	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-18	W12642	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-19	W10642	(3) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-20	W21x44	(5) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-21	W21x44	(5) 3/4"ø A325 PL. CONN. W/ 3/8" PL. AT EA. END
MB-22	W14x30	See Mezzanine Details C & B
MB-23	W14x30	See Mezzanine Details C & B
MB-24	C8x11.5	(2) 3/4"ø A325 BOLTS W/ 3/8" PL. AT EACH END

MEZZANINE COLUMN MEMBER TABLE

MEZZANINE COLUMN	PIPE SIZE	ANCHOR BOLT / BASE PLATE
MC-1	4 1/2"ø x 0.116 THK.	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-2	6 5/8"ø x 0.116 THK.	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-3	6 5/8"ø x 0.116 THK.	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-4	8 5/8"ø x 0.174 THK.	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-5	6 5/8"ø x 0.116 THK.	(4) 3/4"ø A.B W/ 5/8" B.P.
MC-6	6 5/8"ø x 0.116 THK.	(4) 3/4"ø A.B W/ 5/8" B.P.

MEMBER TABLE JOIST

MARK	PART	CONN. PL. AND BOLT SCHED.
J-1	12x35C12	USE (2) 1/2"ø A325 BOLTS
J-2	10x35C14	W/ 1/4"THK. PL. @ EA. END
J-3	8x35C16	FOR JOIST TO BEAM CONN.

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ROOF FRAMING PLAN
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E3 of E18

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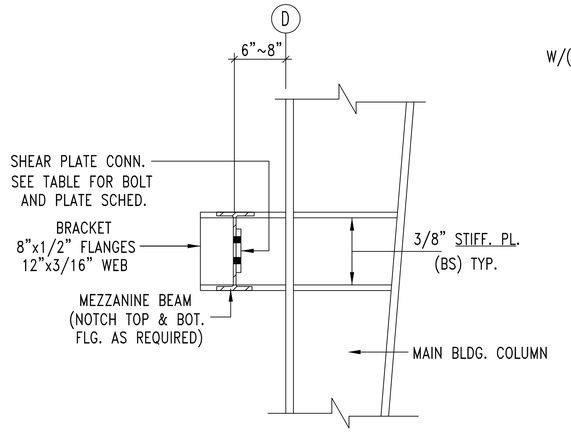
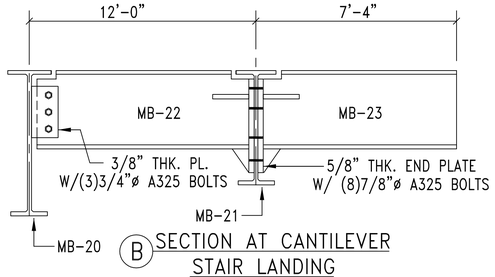
- ☐ APPROVED AS NOTED
- ☐ DISAPPROVED RESUBMIT

SIGNED: _____ DATE: _____

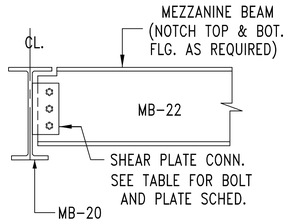


SECTION "A-A"



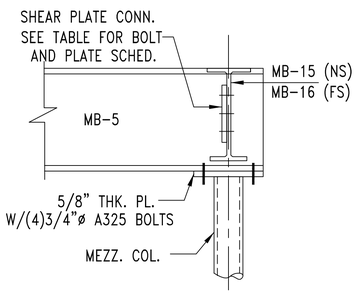
B SECTION AT CANTILEVER STAIR LANDING

(NOTE: JOIST ARE NOT SHOWN)

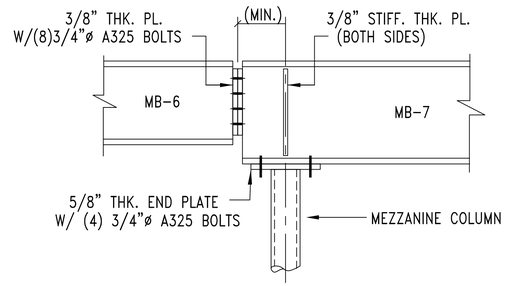


C MEZZ. BEAM TO MEZZ. BEAM CONNECTION

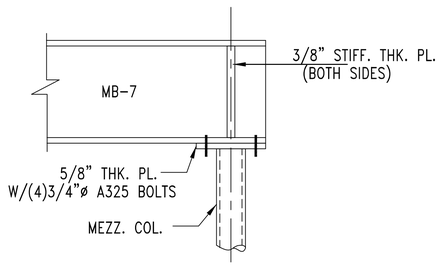
(NOTE: JOIST ARE NOT SHOWN)



D MB-5 / MEZZ. COLUMN CONN.

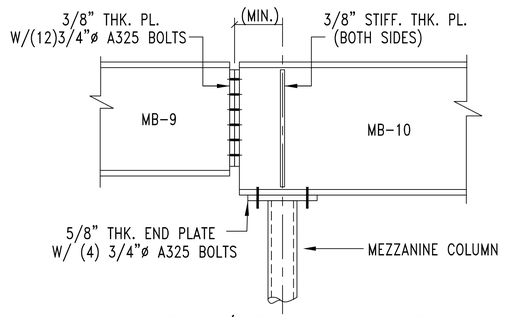


E MB-6/MB-7 CONNECTION

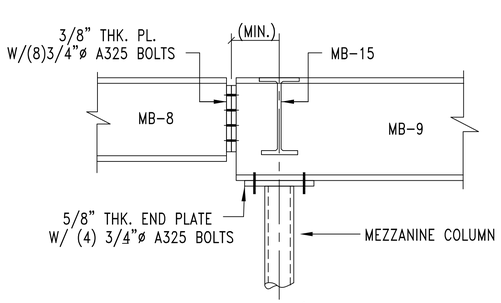


F MB-7 CONNECTION

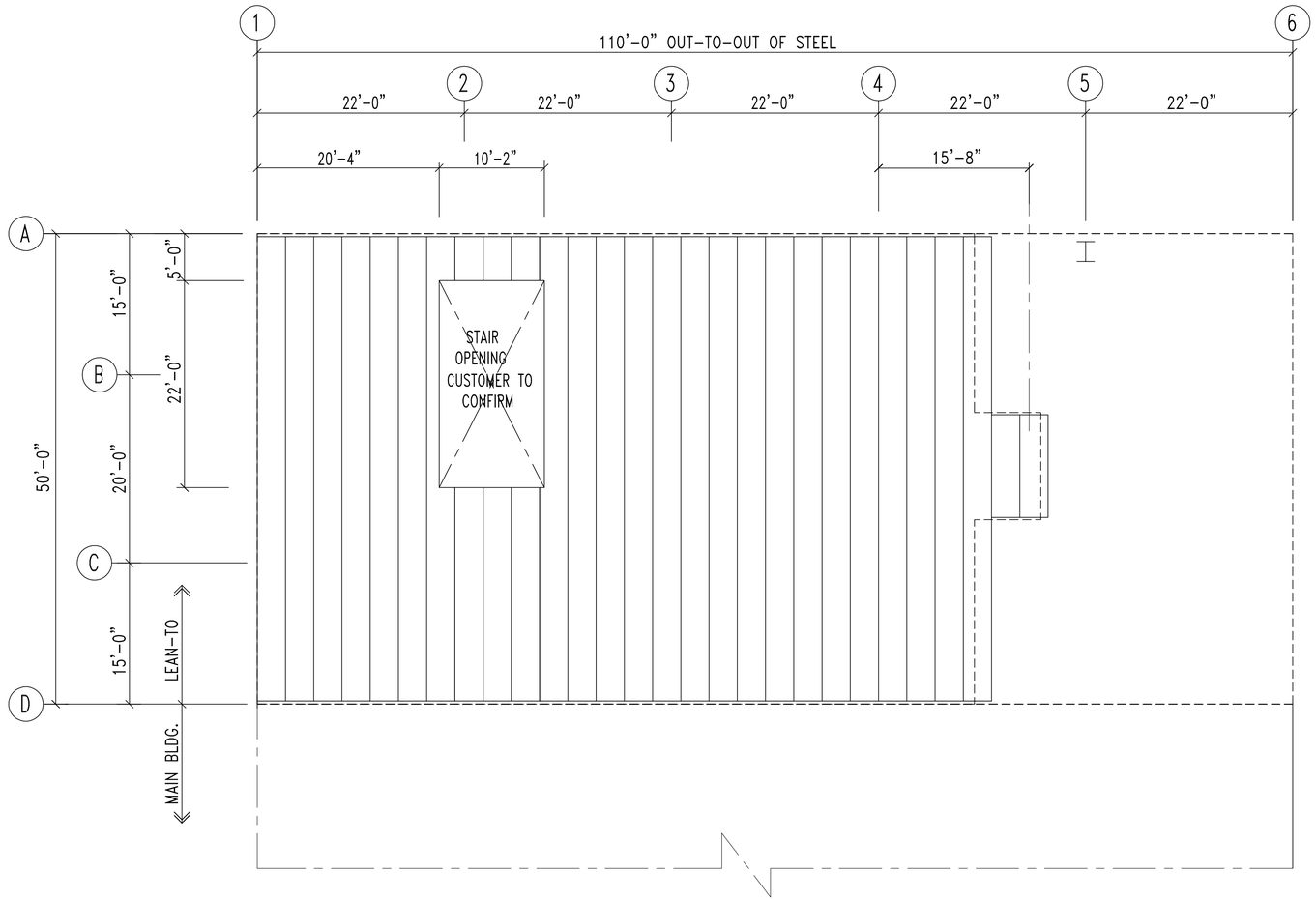
(SIMILAR AT MB-4, MB-5, MB-6, MB-10, MB-14 CONN.)



G MB-9/MB-10 CONNECTION



H MB-8/MB-9 CONN.



DECKING PLAN

PANELS: 24 Ga. PBU - SIG 200 Roof

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ROOF FRAMING PLAN
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E4 of E18

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- ☐ APPROVED AS NOTED
- ☐ DISAPPROVED RESUBMIT

SIGNED: _____ DATE: _____

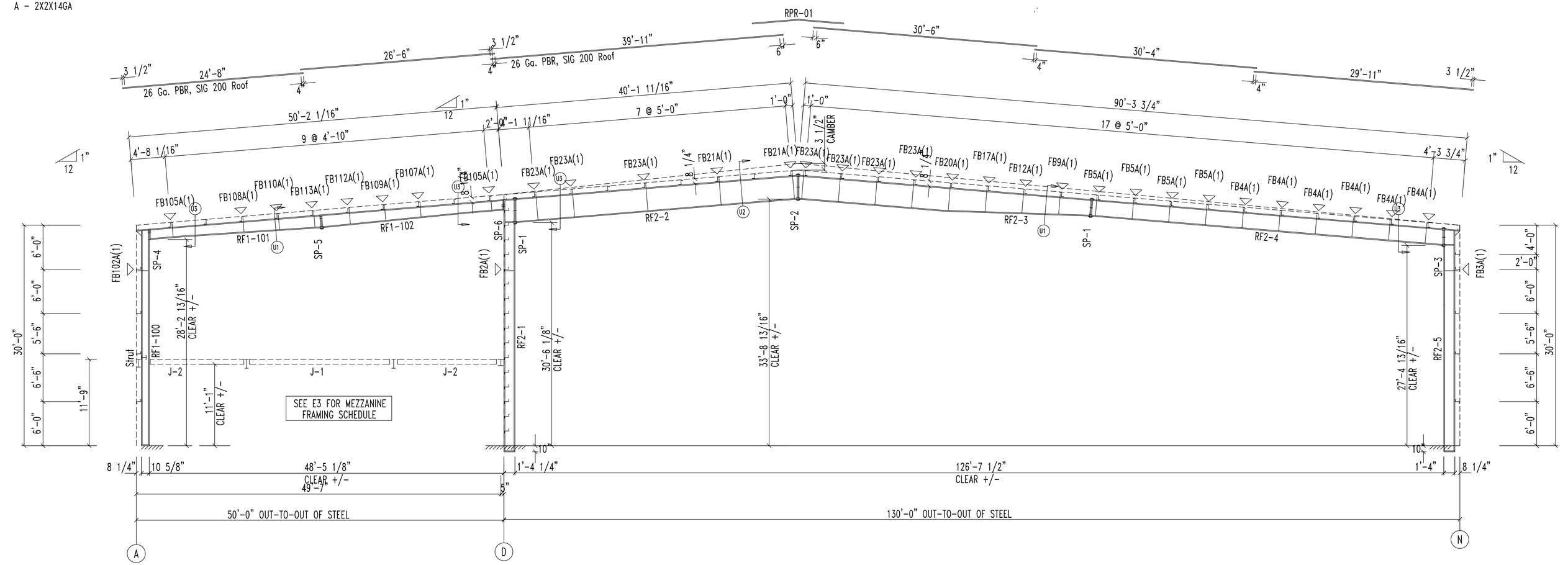
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	0.875	2.50
SP-2	4	4	2	A325	0.625	2.00
SP-3	4	4	2	A325	1.000	2.50
SP-4	4	0	0	A325	0.625	2.00
SP-5	4	4	0	A325	0.625	2.25
SP-6	4	0	0	A325	0.625	1.50

SUPPORT COLUMN BOLT TABLE				
☐ ID	Qty	Type	Dia	Length
C1	2	A325	0.625	1.75

MEMBER TABLE						
Mark	Length	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-100	29'-4 7/16"	10.0/10.0	0.188	20'-0"	6 x 1/4" x 29'-3 11/16"	6 x 3/8" x 20'-0"
		10.0/10.0	0.135	9'-4 1/2"	5 x 1/4" x 1'-6 9/16"	6 x 1/4" x 8'-1 5/16"
RF1-101	23'-7"	14.0/14.0	0.135	4'-6 9/16"	5 x 1/4" x 23'-5 7/8"	5 x 1/4" x 4'-6 1/2"
		14.0/18.0	0.135	19'-0 1/2"		5 x 1/4" x 19'-0 9/16"
RF1-102	25'-0"	18.0/14.0	0.135	19'-11 3/8"	5 x 1/4" x 24'-10 7/8"	5 x 1/4" x 19'-11 3/8"
		14.0/14.0	0.135	4'-11 1/2"		5 x 1/4" x 4'-10 5/16"

MEMBER TABLE						
Mark	Length	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-1	34'-3 3/4"	15.0/15.0	0.188	11'-0 9/16"	8 x 3/8" x 20'-0"	8 x 5/8" x 31'-0 9/16"
		15.0/15.0	0.188	20'-0"	8 x 5/8" x 14'-2 7/8"	
		15.0/15.0	0.250	3'-3 9/16"	8 x 3/8" x 1'-3 5/8"	
RF2-2	38'-9 3/8"	36.0/36.0	0.188	20'-0"	8 x 3/8" x 18'-8 3/16"	8 x 1/2" x 18'-11 3/16"
		36.0/36.0	0.188	18'-11 1/4"	8 x 1/4" x 20'-0"	8 x 3/8" x 19'-9"
RF2-3	40'-1 3/16"	36.0/36.0	0.188	20'-0"	8 x 3/8" x 20'-0"	8 x 3/8" x 19'-9"
		36.0/24.0	0.188	20'-0"	8 x 1/2" x 20'-0"	8 x 1/2" x 20'-0 1/4"
RF2-4	48'-2 1/4"	24.0/24.0	0.188	8'-3"	8 x 1/2" x 20'-0"	8 x 1/2" x 20'-0"
		24.0/24.0	0.188	20'-0"	8 x 3/8" x 28'-1"	8 x 3/8" x 20'-0"
		24.0/24.0	0.188	20'-0"		8 x 1/2" x 8'-3"
RF2-5	30'-2 3/8"	15.0/15.0	0.313	2'-3 13/16"	8 x 3/8" x 1'-11 11/16"	8 x 5/8" x 27'-11 1/16"
		15.0/15.0	0.188	20'-0"	8 x 1/2" x 10'-1 1/2"	
		15.0/15.0	0.188	7'-11 1/16"	8 x 3/8" x 20'-0"	

▽ FLANGE BRACES: FBxx (1 or 2)
xx=length(in)
(1) One Side; (2) Two Sides
A – 2X2X14GA



RIGID FRAME ELEVATION: FRAME LINE 1

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	RIGID FRAME ELEVATION
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E5 of E18

FOR APPROVAL
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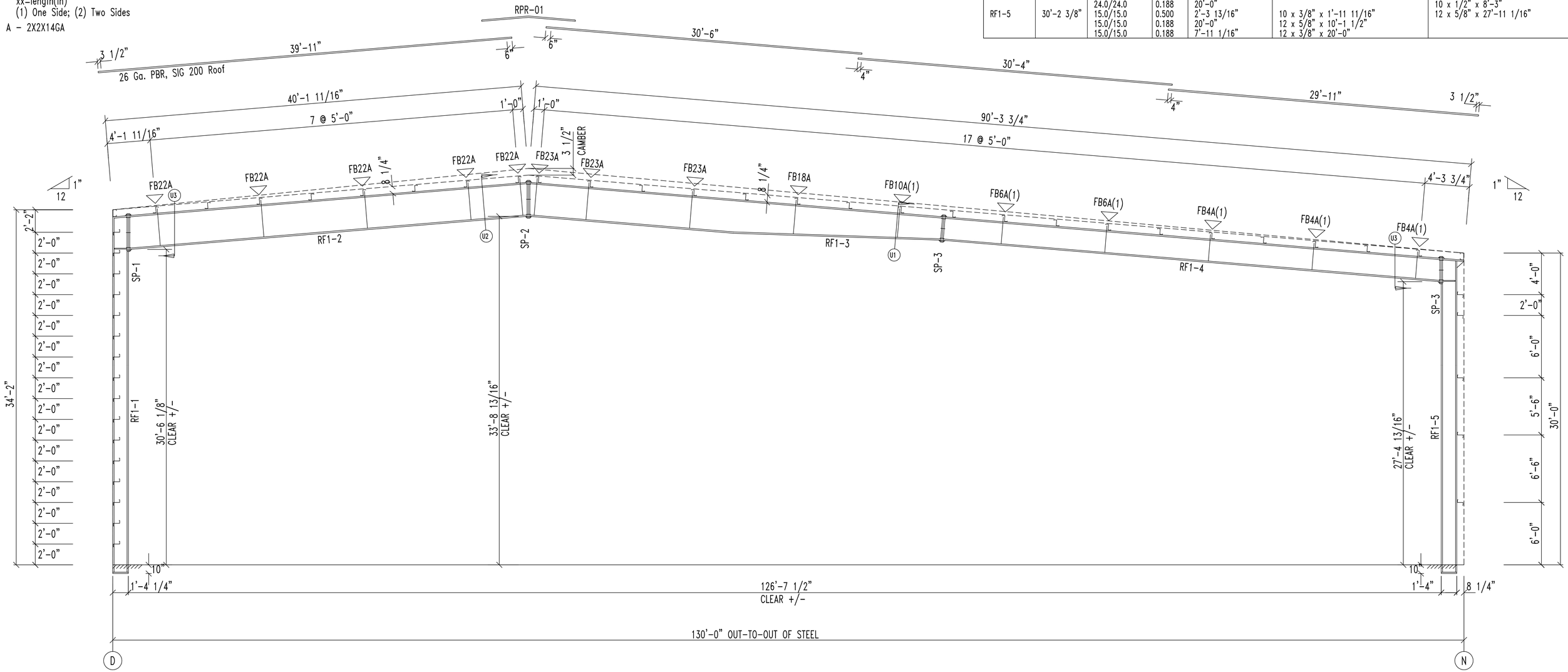
☐ APPROVED WITHOUT EXCEPTION
☐ APPROVED AS NOTED
☐ DISAPPROVED RESUBMIT
SIGNED: _____ DATE: _____

SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	0.875	2.50
SP-2	4	4	2	A325	0.750	2.00
SP-3	4	4	2	A325	1.000	2.50

▽ FLANGE BRACES: FBxx (1 or 2)
xx=length(in)
(1) One Side; (2) Two Sides
A – 2X2X14GA

MEMBER TABLE						
Mark	Length	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	34'-3 3/4"	15.0/15.0	0.188	11'-0 9/16"	12 x 3/8" x 20'-0"	12 x 5/8" x 31'-0 9/16"
		15.0/15.0	0.188	20'-0"	12 x 5/8" x 14'-2 7/8"	
		15.0/15.0	0.313	3'-3 9/16"	10 x 3/8" x 1'-3 5/8"	
RF1-2	38'-9 3/8"	36.0/36.0	0.250	18'-11 3/16"	10 x 3/8" x 18'-8 3/16"	10 x 1/2" x 18'-11 3/16"
		36.0/36.0	0.188	20'-0"	10 x 5/16" x 20'-0"	10 x 3/8" x 19'-9"
RF1-3	40'-1 3/16"	36.0/36.0	0.188	20'-0"	10 x 3/8" x 20'-0"	10 x 3/8" x 19'-9"
		36.0/24.0	0.250	20'-0"	10 x 5/8" x 20'-0"	10 x 5/8" x 20'-0 1/4"
RF1-4	48'-2 1/4"	24.0/24.0	0.250	20'-0"	10 x 5/8" x 20'-0"	10 x 5/8" x 20'-0"
		24.0/24.0	0.188	8'-3"	10 x 3/8" x 28'-1"	10 x 3/8" x 20'-0"
		24.0/24.0	0.188	20'-0"		10 x 1/2" x 8'-3"
RF1-5	30'-2 3/8"	15.0/15.0	0.500	2'-3 13/16"	10 x 3/8" x 1'-11 11/16"	12 x 5/8" x 27'-11 1/16"
		15.0/15.0	0.188	20'-0"	12 x 5/8" x 10'-1 1/2"	
		15.0/15.0	0.188	7'-11 1/16"	12 x 3/8" x 20'-0"	



RIGID FRAME ELEVATION: FRAME LINE 1.4

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP

DESCRIPTION	RIGID FRAME ELEVATION						
BUYER / CUSTOMER	Steve Fox						
END USER	Steve Fox						
END USE	Commercial						
STREET							
CITY, STATE, ZIP	GLENDALE, AZ 85307						
COUNTY							
S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E6 of E18

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☐ DISAPPROVED RESUBMIT
SIGNED: _____ DATE: _____

SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	6	4	2	A325	1.000	2.75
SP-2	4	4	2	A325	0.625	2.00
SP-3	4	4	2	A325	0.875	2.50
SP-4	4	0	0	A325	0.625	2.00
SP-5	4	4	0	A325	0.750	2.50

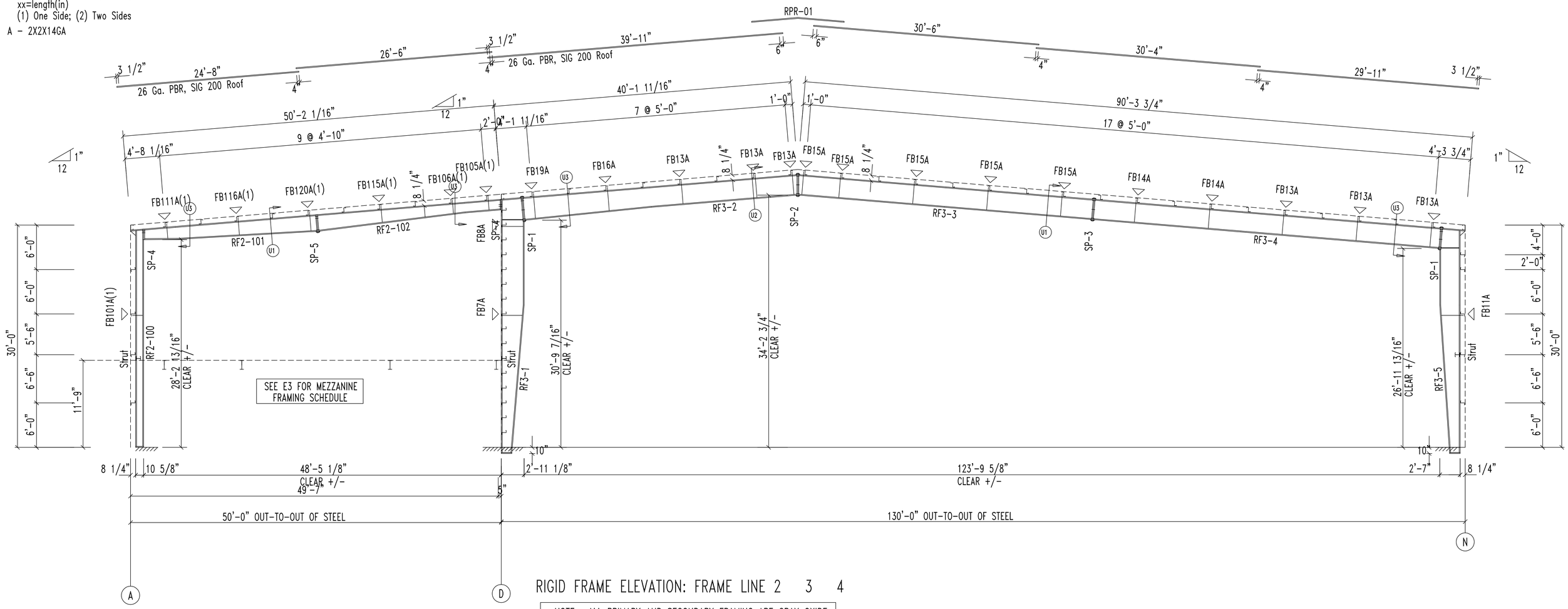
SUPPORT COLUMN BOLT TABLE				
☐ ID	Qty	Type	Dia	Length
C1	2	A325	0.625	1.50

MEMBER TABLE						
Mark	Length	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-100	29'-4 7/16"	10.0/10.0	0.188	20'-0"	6 x 1/4" x 29'-3 11/16"	6 x 3/8" x 20'-0"
		10.0/10.0	0.135	9'-4 1/2"	6 x 1/4" x 1'-6 9/16"	6 x 1/4" x 8'-1 5/16"
RF2-101	23'-7"	14.0/18.0	0.135	4'-6 9/16"	6 x 1/4" x 4'-5 3/8"	6 x 1/4" x 4'-6 11/16"
		18.0/24.0	0.135	19'-0 3/8"	6 x 5/16" x 19'-0 3/8"	6 x 1/4" x 19'-0 1/2"
RF2-102	25'-0"	24.0/14.0	0.135	19'-11 1/4"	6 x 5/16" x 19'-11 1/4"	6 x 1/4" x 19'-11 7/16"
		14.0/14.0	0.135	4'-11 1/2"	6 x 1/4" x 4'-11 1/2"	6 x 1/4" x 4'-10 5/16"

MEMBER TABLE						
Mark	Length	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF3-1	34'-3 3/4"	14.0/34.0	0.188	20'-0"	8 x 5/16" x 20'-0"	8 x 1/2" x 20'-0 13/16"
		34.0/34.0	0.250	11'-3 5/8"	8 x 1/2" x 14'-2 3/4"	8 x 5/8" x 11'-3 5/8"
		34.0/30.9	0.375	3'-1 11/16"	8 x 1/2" x 2'-7 7/16"	
RF3-2	37'-5 1/2"	34.0/30.0	0.250	17'-4 3/16"	8 x 1/2" x 17'-4 3/16"	8 x 5/8" x 17'-4 1/4"
		30.0/30.0	0.188	20'-0"	8 x 5/16" x 20'-0"	8 x 5/16" x 19'-9 1/2"
RF3-3	40'-1 3/16"	30.0/30.0	0.188	20'-0"	8 x 1/2" x 40'-0"	8 x 5/16" x 39'-9 1/2"
		30.0/30.0	0.188	20'-0"		
RF3-4	47'-1 15/16"	30.0/30.0	0.188	20'-0"	8 x 3/8" x 20'-0"	8 x 5/16" x 20'-0"
		30.0/30.0	0.250	7'-0 9/16"	8 x 5/16" x 20'-0"	8 x 3/8" x 20'-0"
		30.0/30.0	0.250	20'-0"	8 x 3/8" x 7'-0 9/16"	8 x 5/8" x 7'-0 9/16"
RF3-5	30'-2 1/4"	27.2/30.0	0.375	2'-9 11/16"	8 x 3/8" x 2'-11 15/16"	8 x 5/8" x 7'-6"
		30.0/30.0	0.188	7'-6"	8 x 1/2" x 10'-1 3/8"	8 x 1/2" x 20'-0 1/2"
		30.0/14.0	0.188	20'-0"	8 x 3/8" x 20'-0"	

▽ FLANGE BRACES: FBxx (1 or 2)
xx=length(in)
(1) One Side; (2) Two Sides

A - 2X2X14GA



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	RIGID FRAME ELEVATION
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E7 of E18

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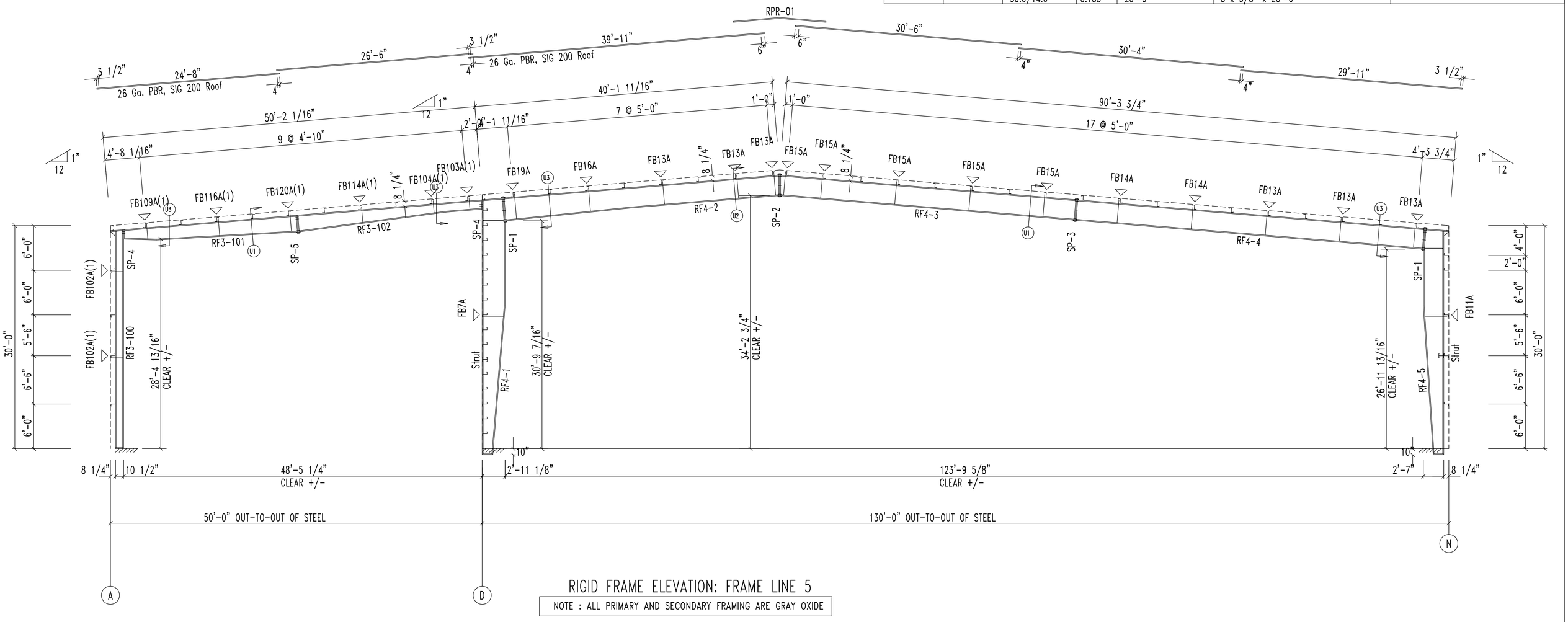
SIGNED: _____ DATE: _____

SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	6	4	2	A325	1.000	2.75
SP-2	4	4	2	A325	0.625	2.00
SP-3	4	4	2	A325	0.875	2.50
SP-4	4	0	0	A325	0.625	2.00
SP-5	4	4	0	A325	0.750	2.50

▽ FLANGE BRACES: FBxx (1 or 2)
xx=length(in)
(1) One Side; (2) Two Sides
A – 2X2X14GA

MEMBER TABLE						
Mark	Length	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF3-100	29'-4 7/16"	10.0/10.0	0.135	9'-4 1/2"	5 x 1/4" x 29'-3 11/16"	5 x 1/4" x 28'-3 5/16"
		10.0/10.0	0.135	20'-0"	6 x 1/4" x 1'-6 9/16"	
RF3-101	23'-7"	12.0/18.0	0.135	4'-6 3/8"	6 x 1/4" x 4'-5 3/8"	6 x 1/4" x 4'-6 11/16"
		18.0/24.0	0.135	19'-0 3/8"	6 x 5/16" x 19'-0 3/8"	6 x 1/4" x 19'-0 1/2"
RF3-102	25'-0"	24.0/12.0	0.135	19'-11 1/4"	6 x 5/16" x 19'-11 1/4"	6 x 5/16" x 19'-11 9/16"
		12.0/12.0	0.135	4'-11 1/2"	6 x 1/4" x 4'-11 1/2"	6 x 1/4" x 4'-10 1/2"

MEMBER TABLE						
Mark	Length	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF4-1	34'-3 3/4"	14.0/34.0	0.188	20'-0"	8 x 5/16" x 20'-0"	8 x 1/2" x 20'-0 13/16"
		34.0/34.0	0.250	11'-3 5/8"	8 x 1/2" x 14'-2 3/4"	8 x 5/8" x 11'-3 5/8"
		34.0/30.9	0.375	3'-1 11/16"	8 x 1/2" x 2'-7 7/16"	
RF4-2	37'-5 1/2"	34.0/30.0	0.250	17'-4 3/16"	8 x 1/2" x 17'-4 3/16"	8 x 5/8" x 17'-4 1/4"
		30.0/30.0	0.188	20'-0"	8 x 5/16" x 20'-0"	8 x 5/16" x 19'-9 1/2"
RF4-3	40'-1 3/16"	30.0/30.0	0.188	20'-0"	8 x 1/2" x 40'-0"	8 x 5/16" x 39'-9 1/2"
		30.0/30.0	0.188	20'-0"		
RF4-4	47'-1 15/16"	30.0/30.0	0.188	20'-0"	8 x 3/8" x 20'-0"	8 x 5/16" x 20'-0"
		30.0/30.0	0.250	7'-0 9/16"	8 x 5/16" x 20'-0"	8 x 3/8" x 20'-0"
		30.0/30.0	0.250	20'-0"	8 x 3/8" x 7'-0 9/16"	8 x 5/8" x 7'-0 9/16"
RF4-5	30'-2 1/4"	27.2/30.0	0.375	2'-9 11/16"	8 x 3/8" x 2'-11 15/16"	8 x 5/8" x 7'-6"
		30.0/30.0	0.188	7'-6"	8 x 1/2" x 10'-1 3/8"	8 x 1/2" x 20'-0 1/2"
		30.0/14.0	0.188	20'-0"	8 x 3/8" x 20'-0"	



RIGID FRAME ELEVATION: FRAME LINE 5

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	RIGID FRAME ELEVATION
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E8 of E18

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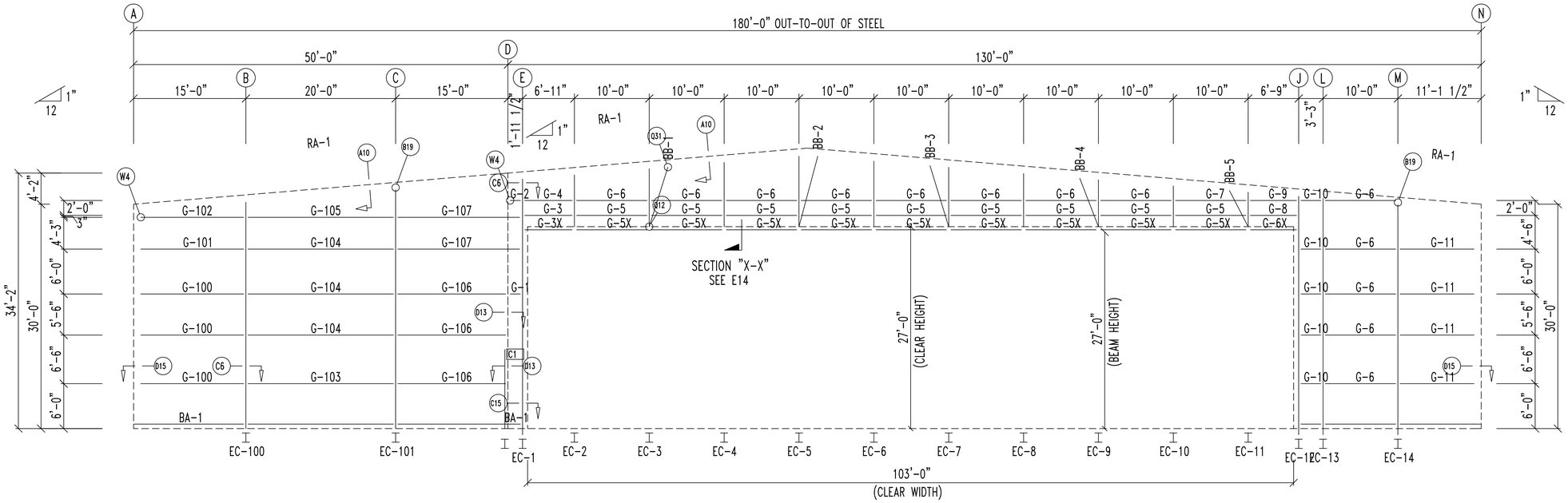
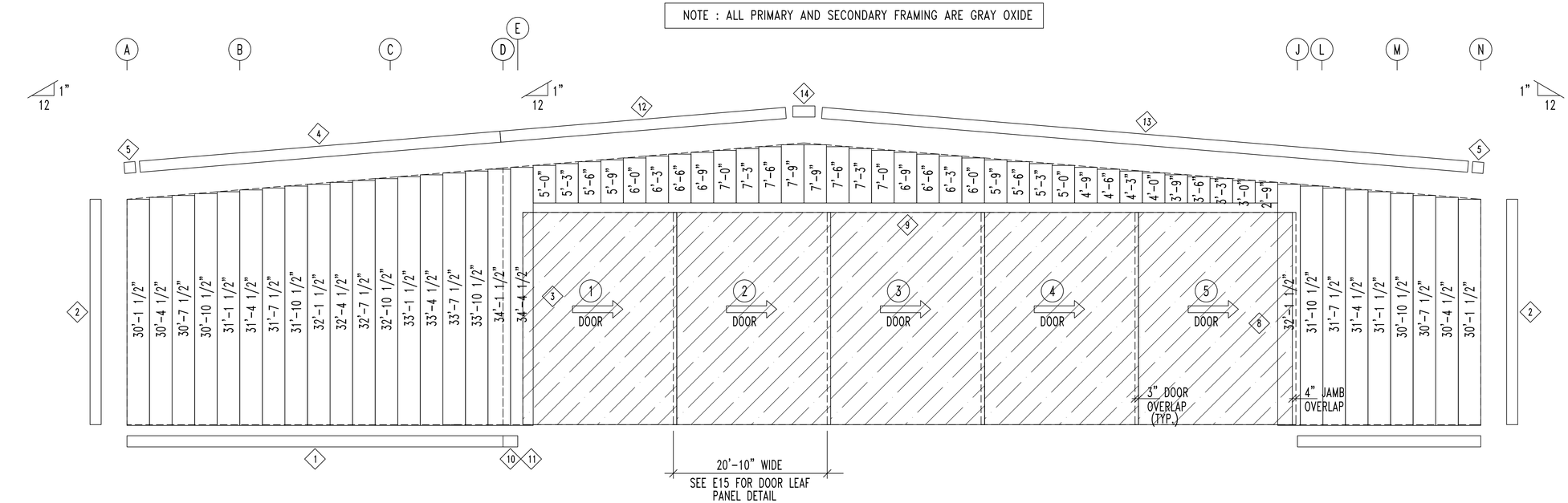
SIGNED: _____ DATE: _____



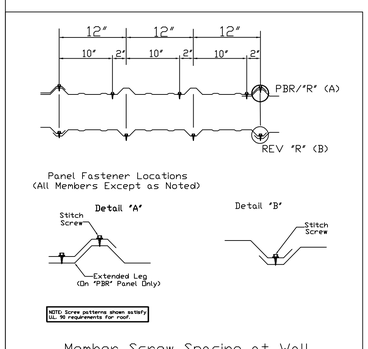
ENDWALL FRAMING: FRAME LINE 1

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBR - SIG 200 Wall



TRIM TABLE
FRAME LINE 1

◇ID	QUAN	PART	LENGTH	DETAIL
1	3	DF-01	16'-10"	TRIM_60
2	4	CT-01R	15'-1"	TRIM_19
3	4	CT-01R	17'-2"	TRIM_19
4	3	RT-01R	17'-3"	TRIM_109
5	2	REC-01	10"	
6	2	PT-01	17'-10"	
7	2	JT-26	20'-2"	
8	4	JT-01R	14'-9"	
9	6	HT-01R-2	17'-3"	
10	1	DF-01	2'-2"	TRIM_60
11	2	DF-01	12'-5"	TRIM_60
12	3	RT-01R	13'-11"	TRIM_109
13	5	RT-01R	18'-6"	TRIM_109
14	1	PB-01R	1'-6"	

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
BLDG-A				
Columns/Raf	4	A325	1/2"	1 1/4"
BLDG-B				
Columns/Raf	4	A325	1/2"	1 1/4"

COLUMN BOLT TABLE
FRAME LINE 1

□ ID	QUAN	TYPE	DIA	LENGTH
C1	2	A325	5/8"	1 3/4"

MEMBER TABLE
FRAME LINE 1

MARK	PART
EC-100	W10662
EC-101	W10662
G-100	8x25Z16
G-101	8x25Z16
G-102	8x25Z16
G-103	8x40C12
G-104	8x25Z12
G-105	8x25Z14
G-106	8x25Z14
G-107	8x25Z16

MEMBER TABLE
FRAME LINE 1

MARK	PART
BB-1	W8x10
BB-2	W8x10
BB-3	W8x10
BB-4	W8x10
BB-5	W8x10
EC-1	W10883
EC-2	W8x10
EC-3	W8x10
EC-4	W8x10
EC-5	W8x10
EC-6	W8x10
EC-7	W8x10
EC-8	W8x10
EC-9	W8x10
EC-10	W8x10
EC-11	W8x10
EC-12	W10883
EC-13	W10542
EC-14	W10542
G-1	8x25Z16
G-2	8x25Z16
G-3	8x25C16
G-4	8x25Z16
G-5	8x25C16
G-6	8x25Z16
G-7	8x25Z16
G-8	8x25C16
G-9	8x25Z16
G-10	8x25Z16
G-11	8x25Z16
G-3X	8x35C12
G-5X	8x35C12
G-6X	8x35C12

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ENDWALL FRAMING
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E9 of E18

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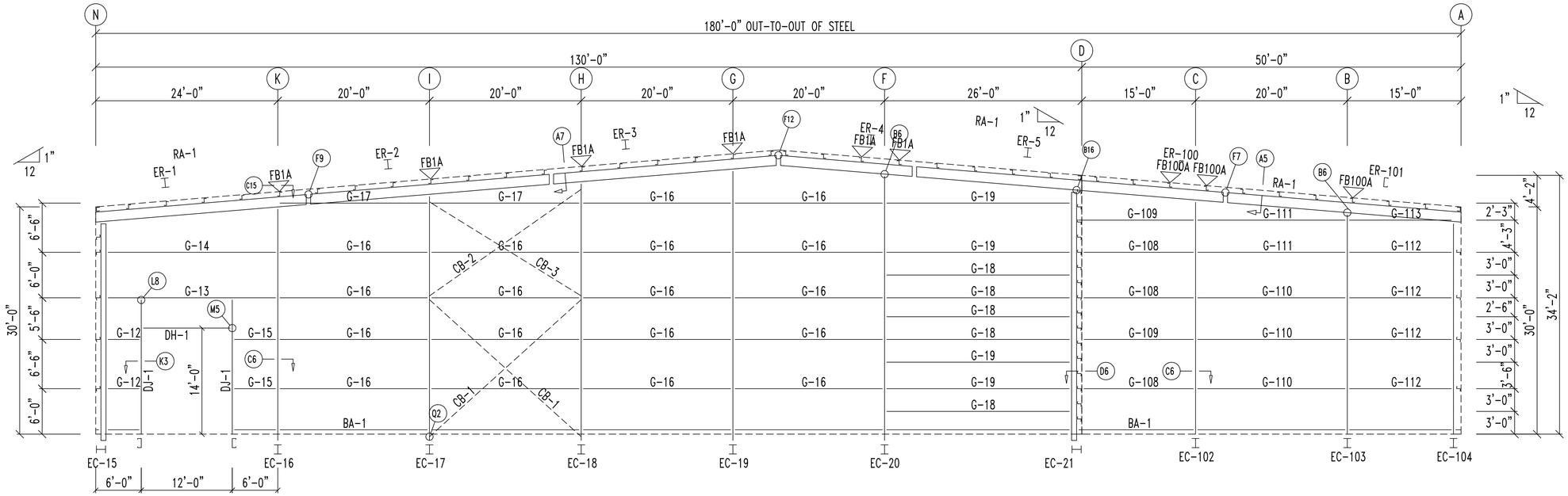
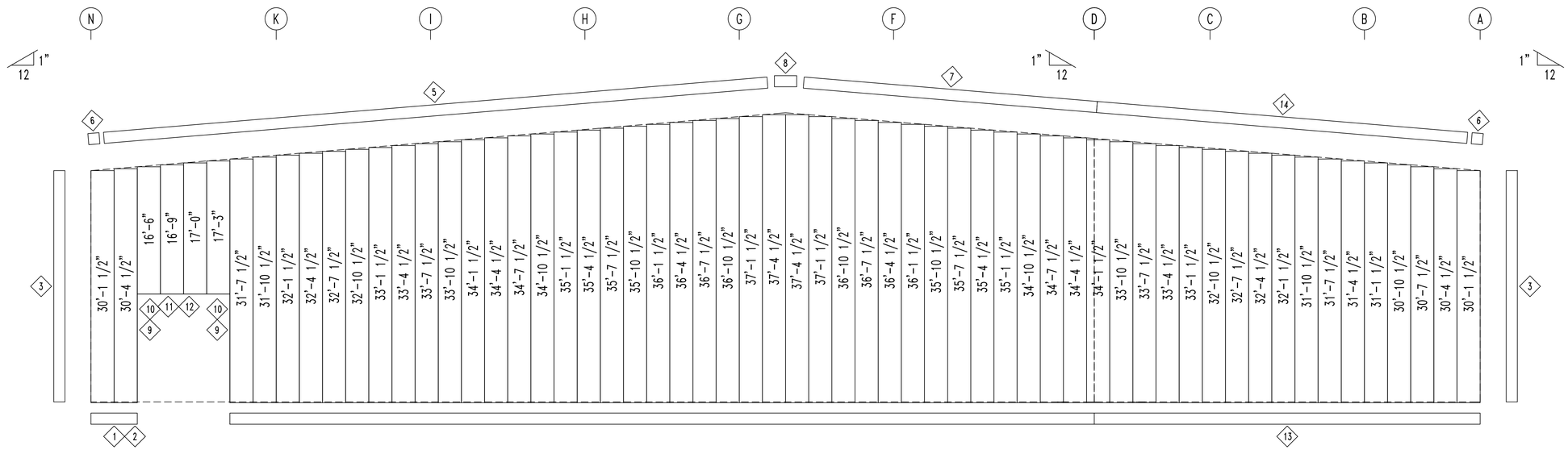


ENDWALL FRAMING: FRAME LINE 6

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE



ENDWALL SHEETING & TRIM: FRAME LINE 6

PANELS: 26 Ga. PBR - SIG 200 Wall

TRIM TABLE FRAME LINE 6				
◇ID	QUAN	PART	LENGTH	DETAIL
1	1	DF-01	6'-2"	TRIM_60
2	6	DF-01	18'-10"	TRIM_60
3	4	CT-01R	15'-1"	TRIM_19
4	4	CT-01R	17'-2"	TRIM_19
5	5	RT-01R	18'-6"	TRIM_109
6	2	REC-01	10"	
7	3	RT-01R	13'-11"	TRIM_109
8	1	PB-01R	1'-6"	
9	2	JT-01R	14'-2"	TRIM_80
10	2	XFL-37	14'-1"	TRIM_80
11	1	HT-01R	12'-4"	TRIM_72
12	1	XFL-37	12'-0"	TRIM_72
13	3	DF-01	16'-10"	TRIM_60
14	3	RT-01R	17'-3"	TRIM_109
15	2	PT-01	17'-10"	
16	2	JT-26	20'-2"	

BOLT TABLE FRAME LINE 6				
LOCATION	QUAN	TYPE	DIA	LENGTH
BLDG-A				
ER-1/ER-2	8	A325	5/8"	1 3/4"
ER-2/ER-3	8	A325	5/8"	1 3/4"
ER-3/ER-4	8	A325	5/8"	1 3/4"
ER-4/ER-5	8	A325	5/8"	1 3/4"
Cor_Column/Raf	4	A325	5/8"	1 3/4"
Int_Column/Raf	4	A325	1/2"	1 1/4"
BLDG-B				
ER-100/ER-101	4	A325	5/8"	1 3/4"
Int_Column/Raf	4	A325	1/2"	1 1/4"
Cor_Column/Raf	4	A325	1/2"	1 1/4"

FLANGE BRACE TABLE FRAME LINE 6		
▽ID	MARK	LENGTH
1	FB100A	1'-3 1/16"

MEMBER TABLE FRAME LINE 6	
MARK	PART
EC-15	W10542
EC-16	W10642
EC-17	W10842
EC-18	W10862
EC-19	W10862
EC-20	W10862
EC-21	W10542
ER-1	W08642
ER-2	W08642
ER-3	W08642
ER-4	W08642
ER-5	W08642
DJ-1	10X25C14
DH-1	10x25c14
G-12	10x25Z16
G-13	C10x15.3
G-14	10x35Z12
G-15	10x25Z16
G-16	10x35Z12
G-17	10x35Z14
G-18	10x35Z14
G-19	10x35Z12
CB-1	CBL3750
CB-2	CBL3750
CB-3	CBL3750

MEMBER TABLE FRAME LINE 6	
MARK	PART
EC-102	W10542
EC-103	W10542
EC-104	W10542
ER-100	8X35C12
ER-101	8X35C12
G-108	10x35Z14
G-109	10x35Z14
G-110	10x35Z12
G-111	10x35Z14
G-112	10x35Z14
G-113	10x25Z16

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	ENDWALL FRAMING						
BUYER / CUSTOMER	Steve Fox						
END USER	Steve Fox						
END USE	Commercial						
STREET							
CITY, STATE, ZIP	GLENDALE, AZ 85307						
COUNTY							
S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E10 of E18

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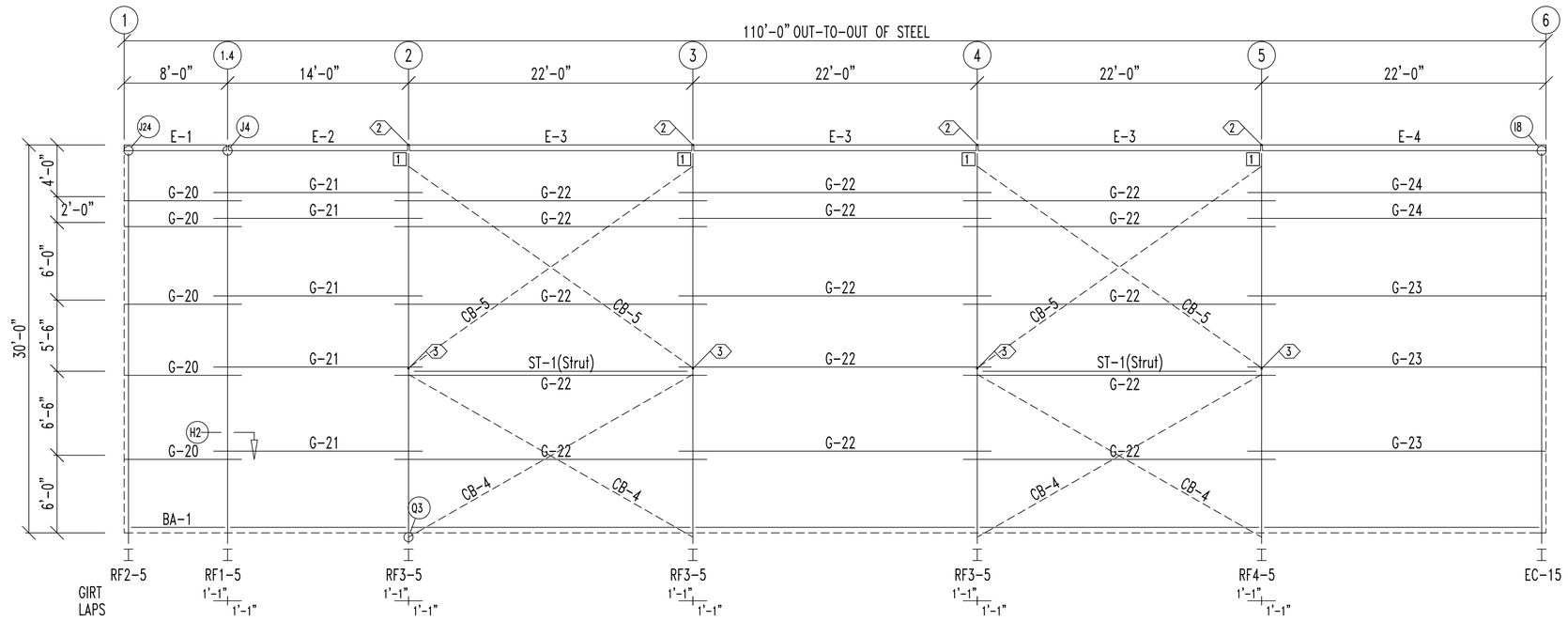
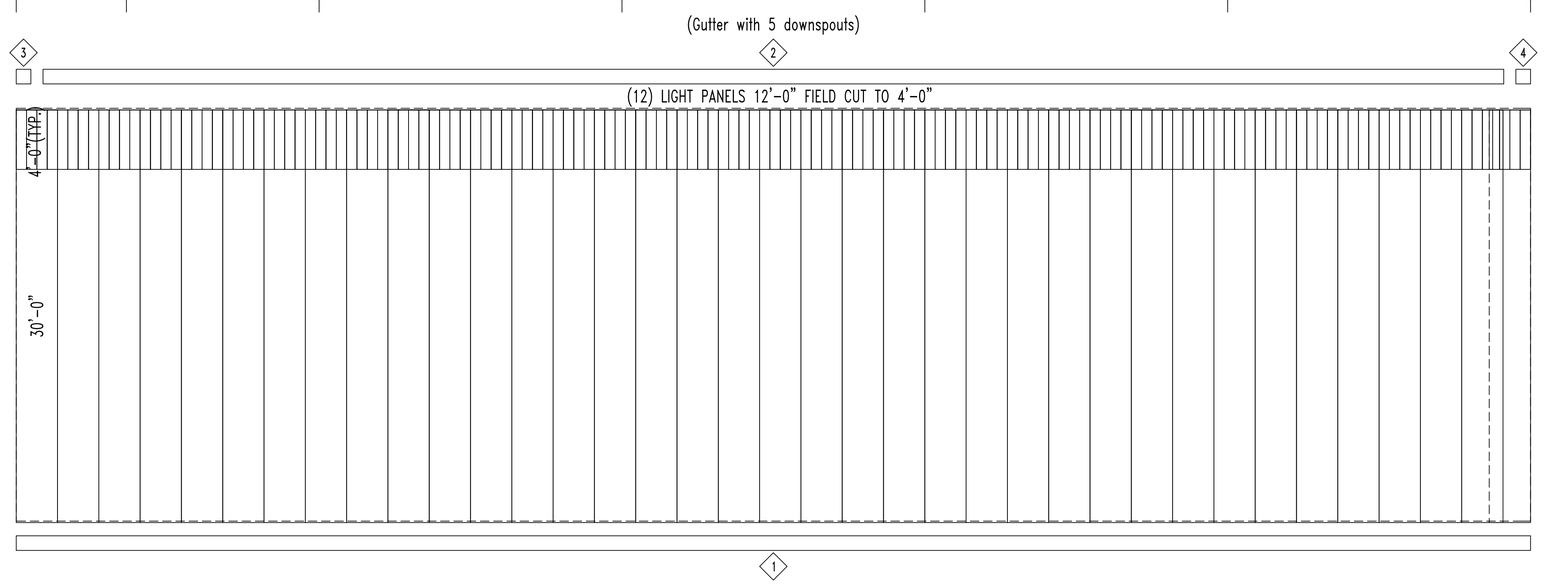
SIGNED: _____ DATE: _____



SIDEWALL FRAMING: FRAME LINE N

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE



SIDEWALL SHEETING & TRIM: FRAME LINE N

PANELS: 26 Ga. PBR - SIG 200 Wall

TRIM TABLE
FRAME LINE N

◇ ID	QUAN	PART	LENGTH	DETAIL
1	6	MF-01	18'-6"	TRIM_60
2	6	EG-02R	18'-11"	TRIM_48
3	1	GEC-02RL	9"	
4	1	GEC-02RR	9"	

SPECIAL BOLTS

◇ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A307	1/2"	1 1/4"	0
3	4	A325	1/2"	1 1/4"	0

CONNECTION PLATES
FRAME LINE N

□ ID	QUAN	MARK/PART
1	4	CC12A

MEMBER TABLE
FRAME LINE N

MARK	PART
E-1	E085341L
E-2	E085341L
E-3	E085341L
E-4	E085341L
G-20	8x25Z16
G-21	8x25Z16
G-22	8x25Z16
G-23	8x25Z14
G-24	8x25Z16
ST-1	6 5/8"ø x 0.116 PIPE
CB-4	BR3/4
CB-5	BR13/16

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	SIDEWALL FRAMING
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E11 of E18

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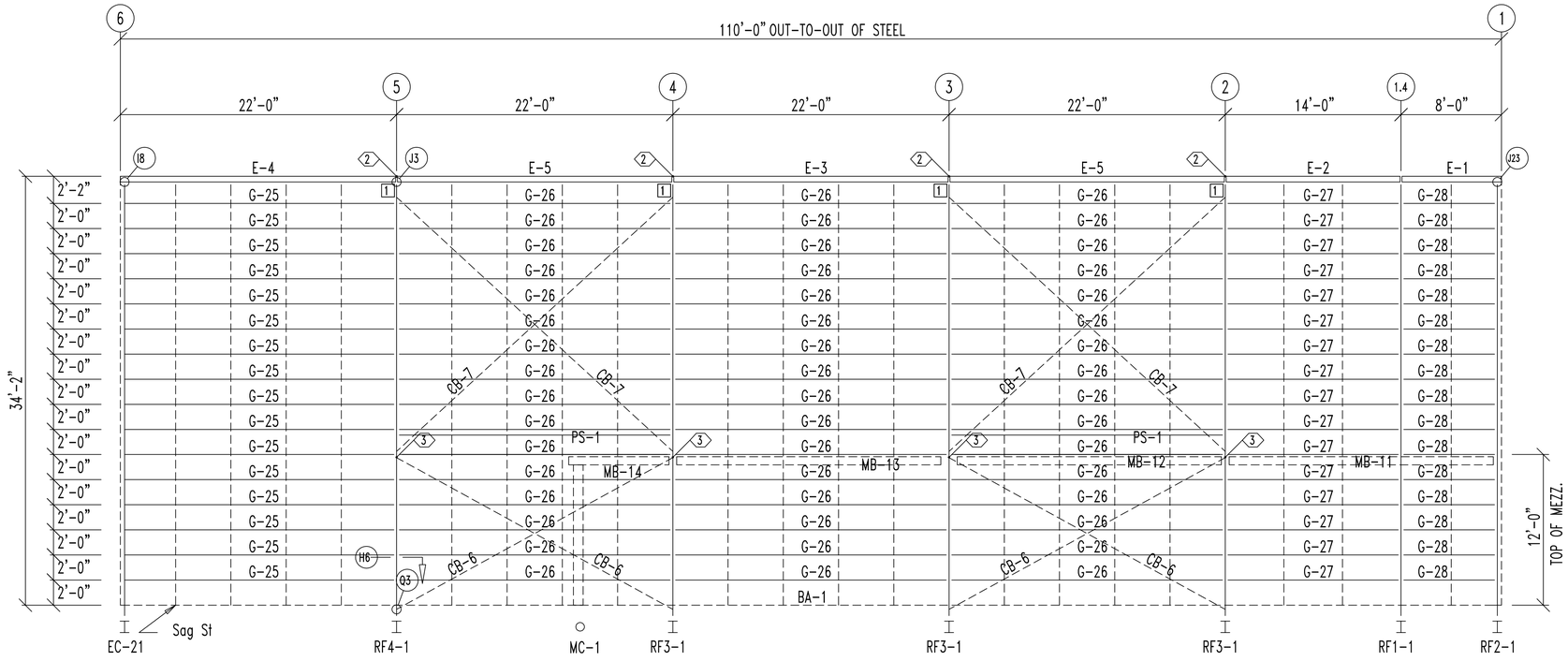
SIGNED: _____ DATE: _____



SIDEWALL FRAMING: FRAME LINE D

(NOTE : WALL BRACING TO SPLIT AT 12'-0" ELEVATION)

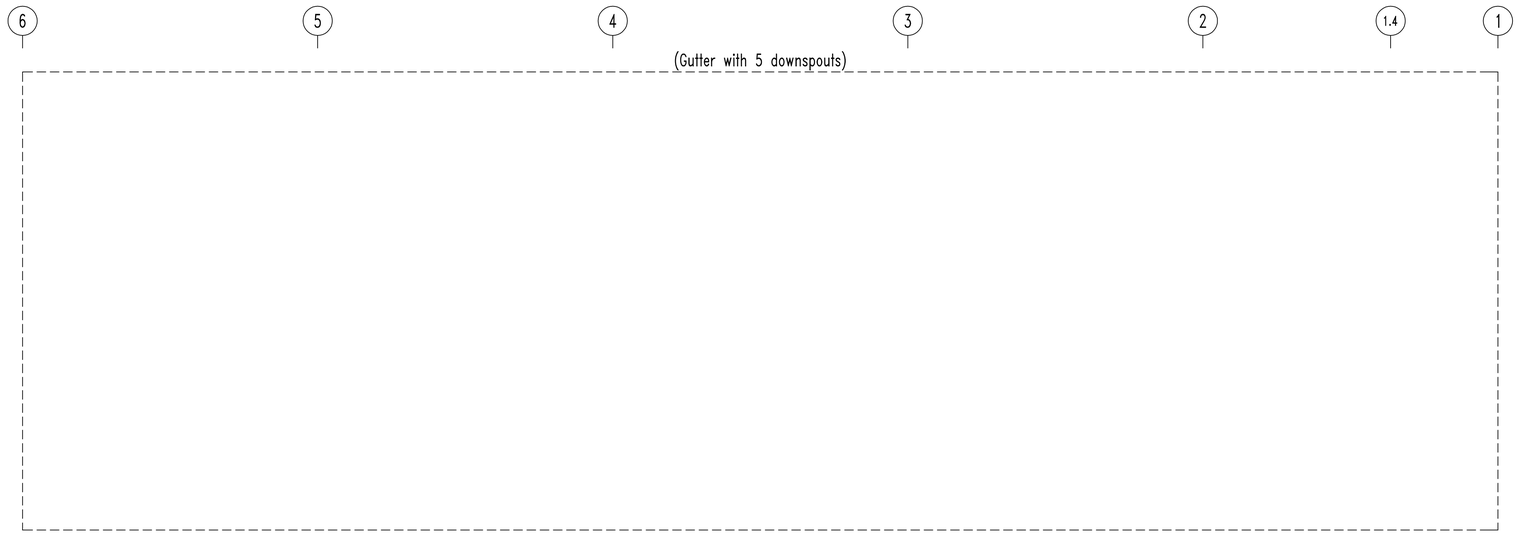
NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE

SPECIAL BOLTS					
⬡ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A307	1/2"	1 1/4"	0
3	4	A325	1/2"	1 1/4"	0

CONNECTION PLATES FRAME LINE D		
☐ ID	QUAN	MARK/PART
1	4	CC12A

MEMBER TABLE FRAME LINE D	
MARK	PART
E-1	E085341L
E-2	E085341L
E-3	E085341L
E-4	E085341L
E-5	E085321L
G-25	8x25Z16
G-26	8x25Z16
G-27	8x25Z16
G-28	8x25Z16
PS-1	6 5/8"x0.116 PIPE
CB-6	BR1
CB-7	BR1

NOTE : WALL GIRTS ARE NOT DESIGNED TO CARRY DEAD WEIGHT OF MATERIALS (BY OTHERS)



SIDEWALL SHEETING & TRIM: FRAME LINE D

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	SIDEWALL FRAMING
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E12 of E18

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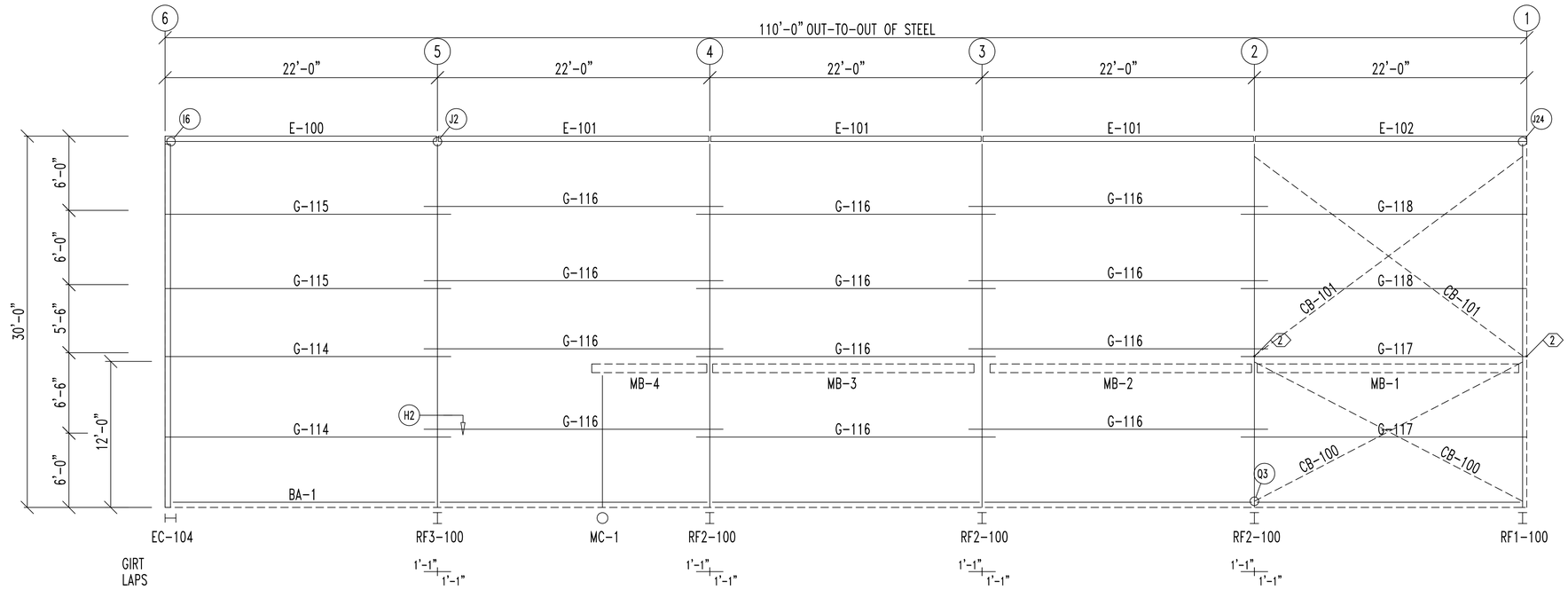
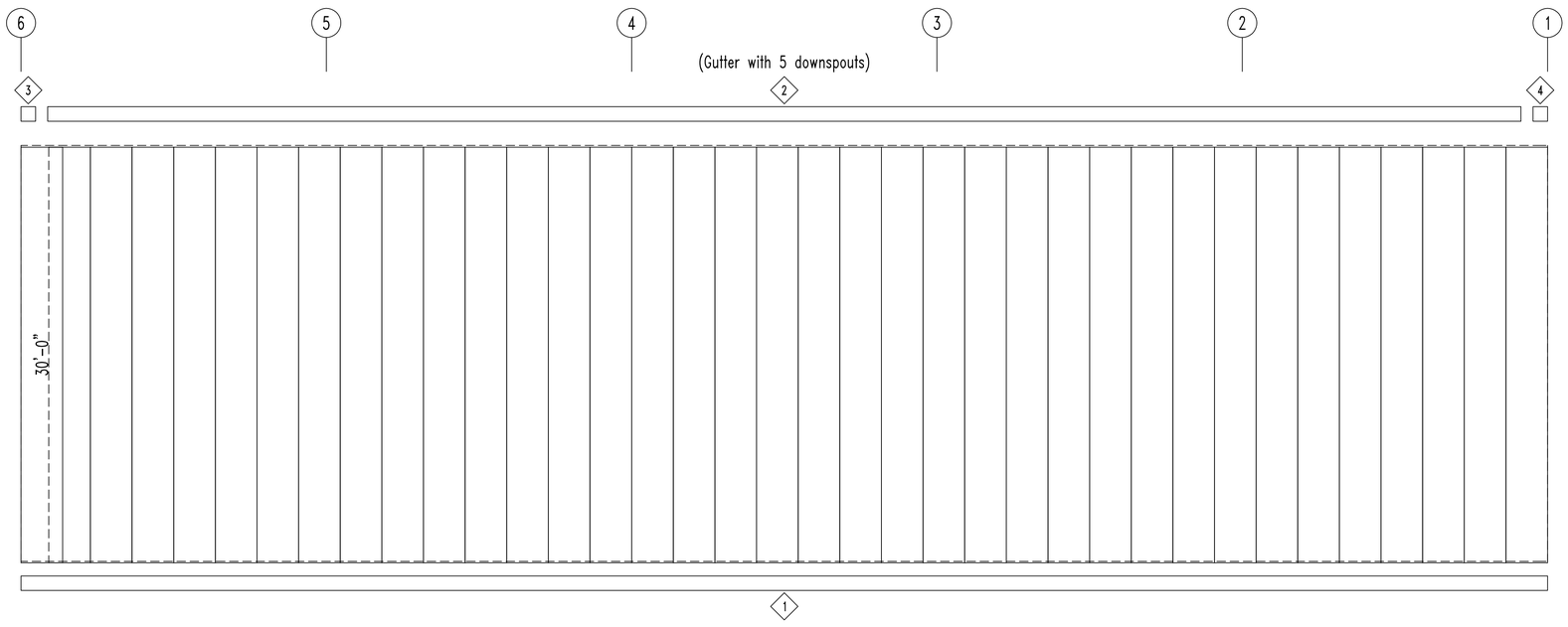


SIDEWALL FRAMING: FRAME LINE A

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR – SIG 200 Wall

TRIM TABLE
FRAME LINE A

◇ ID	QUAN	PART	LENGTH	DETAIL
1	6	DF-01	18'-6"	TRIM_60
2	6	EG-02R	18'-11"	TRIM_48
3	1	GEC-02RL	9"	
4	1	GEC-02RR	9"	

SPECIAL BOLTS

◇ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A325	5/8"	1 3/4"	0

COLUMN BOLT TABLE
FRAME LINE A

□ ID	QUAN	TYPE	DIA	LENGTH
C1	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE A

MARK	PART
E-100	E085341L
E-101	E085341L
E-102	E085341L
G-114	8x25Z14
G-115	8x25Z16
G-116	8x25Z16
G-117	8x25Z14
G-118	8x25Z16
CB-100	BR1
CB-101	BR5/8
FC-1	D450x125

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	SIDEWALL FRAMING
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E13 of E18

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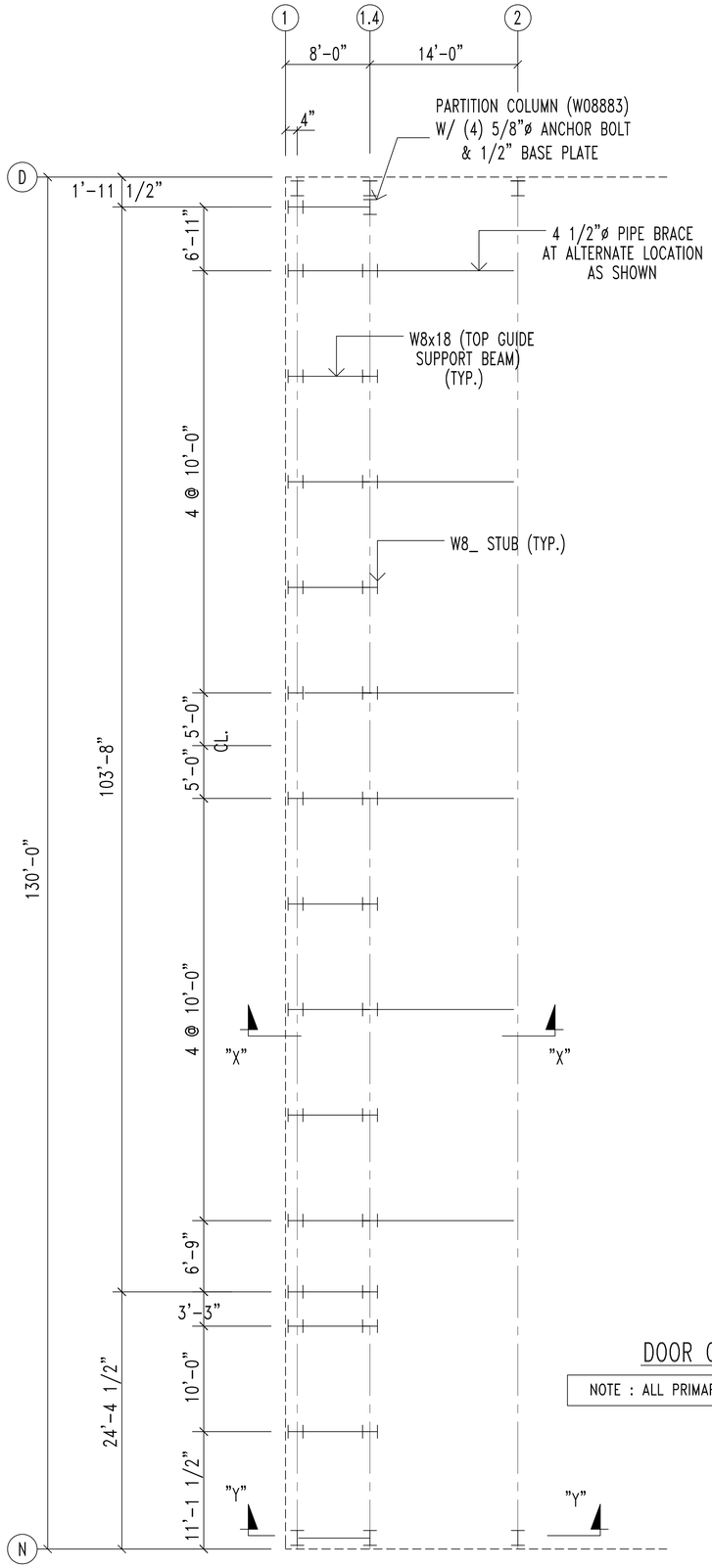
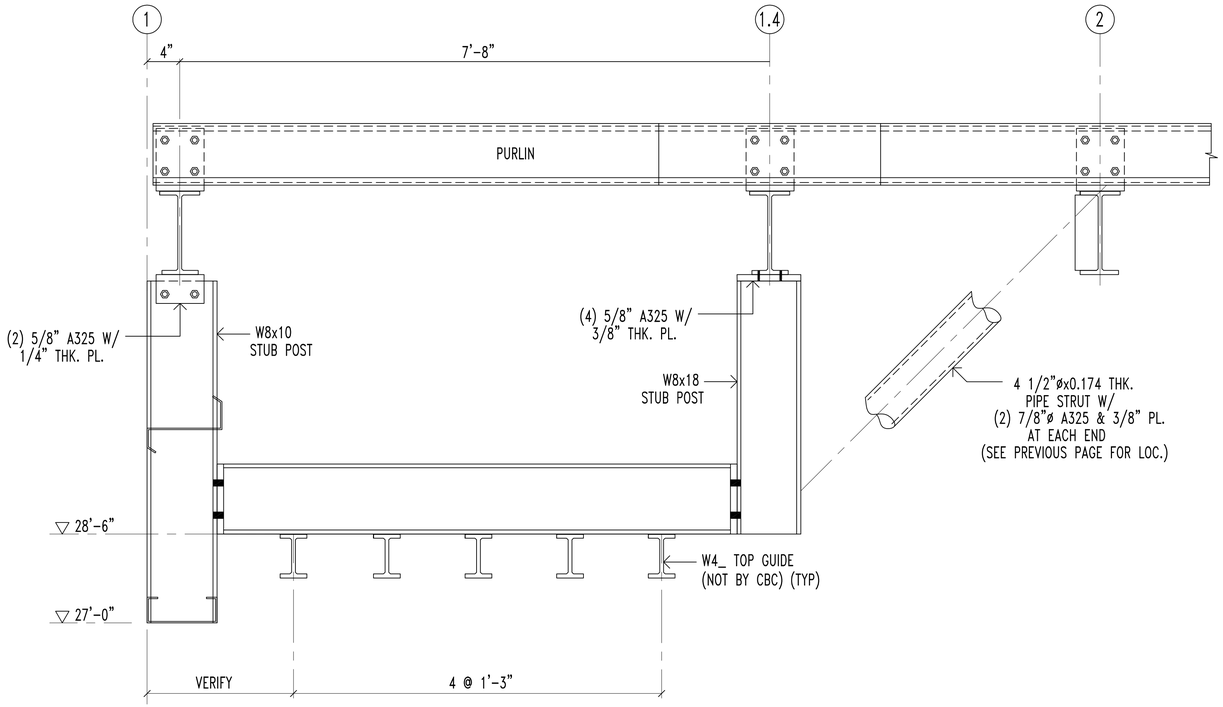
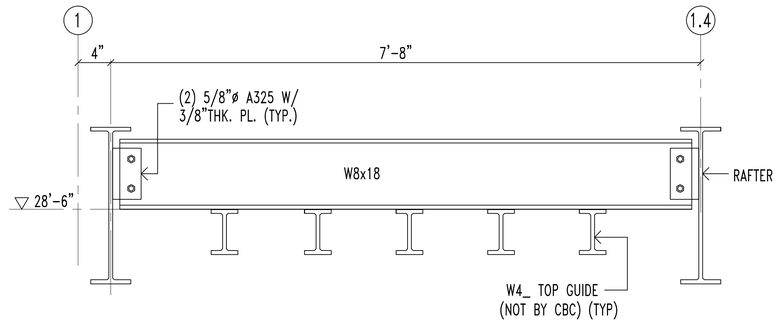




SECTION "X-X"



SECTION "Y-Y"

DOOR GUIDE FRAMING PLAN

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP

DESCRIPTION	DOOR GUIDE FRAMING PLAN
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E14 of E18

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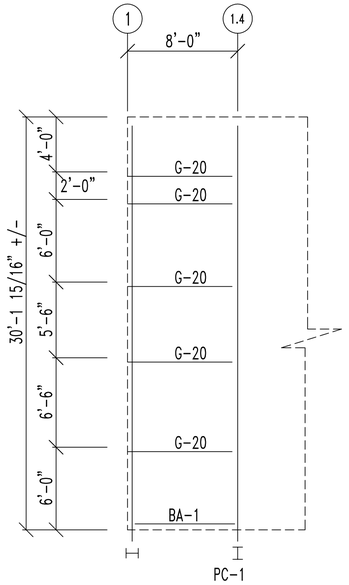
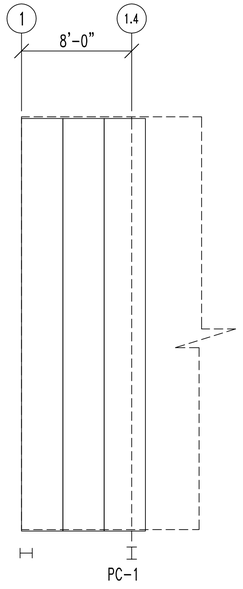
SIGNED: _____ DATE: _____

MEMBER TABLE FRAME LINE A	
MARK	PART
PC-1	W08883
PG-1	8x25Z16



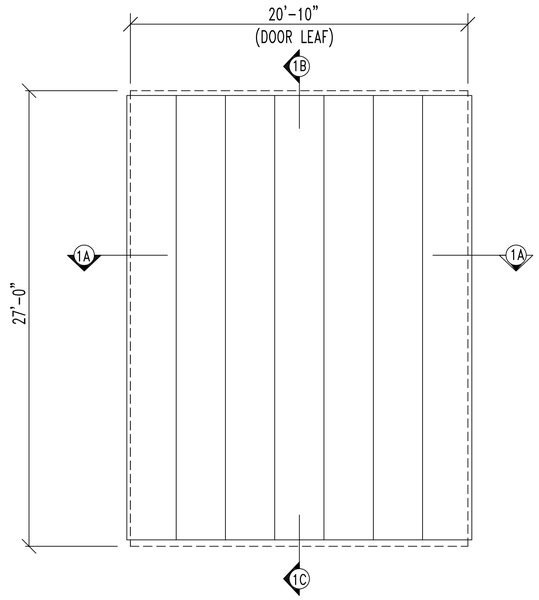
PARTITION FRAMING: FRAME LINE D

NOTE : ALL PRIMARY AND SECONDARY FRAMING ARE GRAY OXIDE



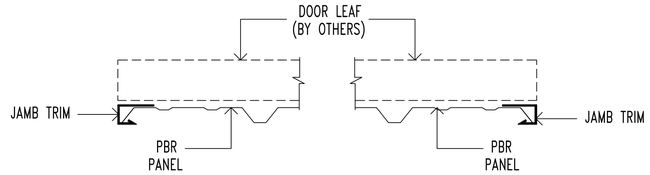
PARTITION SHEETING : FRAME LINE D

PANELS: 26 Ga. PBR – SIG 200 Wall

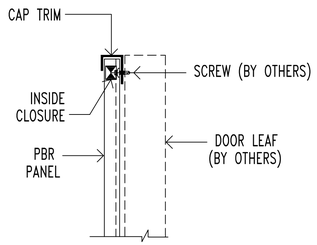


DOOR LEAF SHEETING ELEVATION

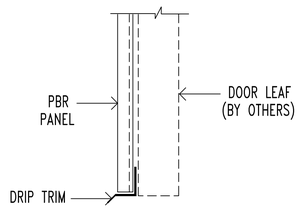
PANELS: 26 Ga. PBR – SIG 200 Wall



SECTION "1A-1A"



SECTION "1B"



SECTION "1C"

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP

DESCRIPTION	PARTITION AND DOOR LEAF ELEVATION
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E15 of E18

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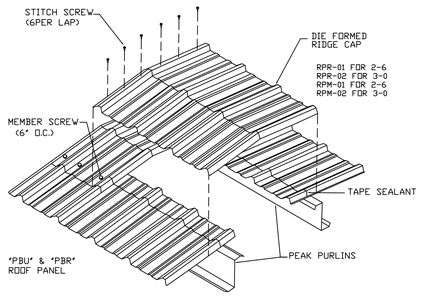
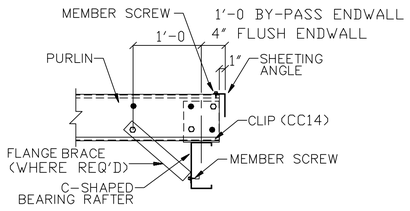
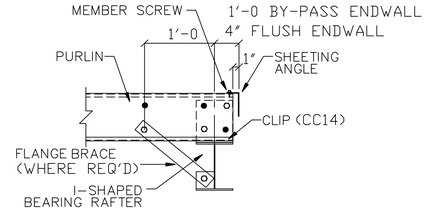
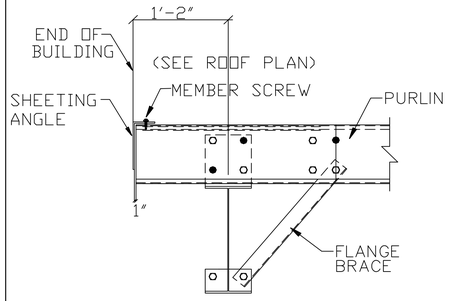




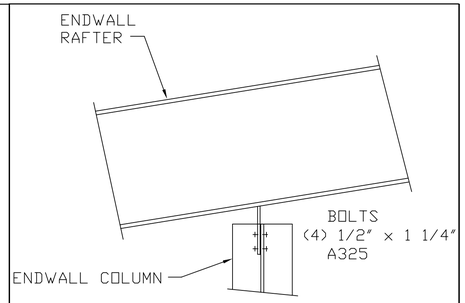
A5 BEARING FRAME ENDWALL SECTION
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



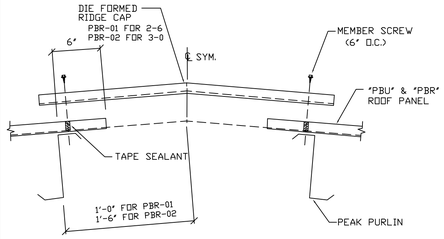
A7 BEARING FRAME ENDWALL SECTION
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



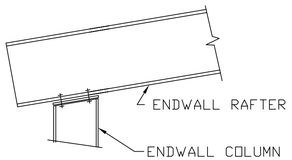
A10 ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



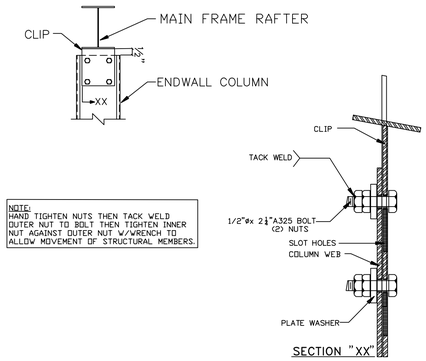
B6 ENDWALL RAFTER TO COLUMN



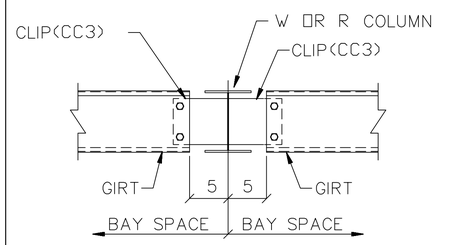
Trim_13 DIE FORMED RIDGE DETAIL- "PBR" & "PBU"
UP TO A 3:12 ROOF SLOPE



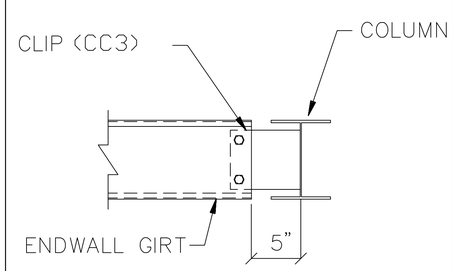
B16 CORNER COLUMN TO ENDWALL RAFTER



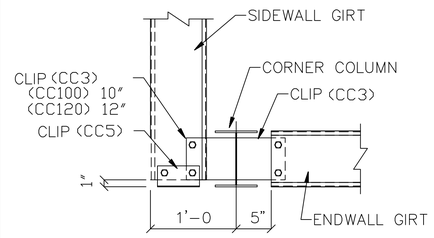
B19 ENDWALL COLUMN TO MF RAFTER
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



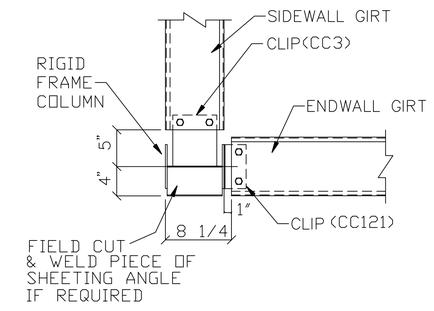
C6 GIRT TO W OR R COLUMN
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



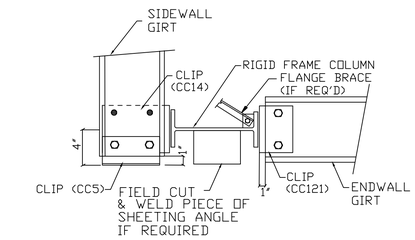
C15 GIRT/HEADER BEAM TO R/W COLUMN
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



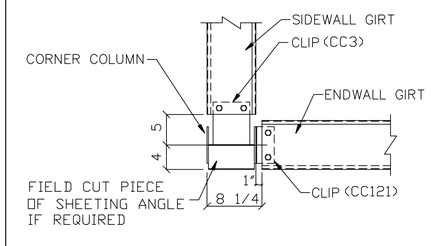
D6 R OR W CORNER COLUMN TO WALL GIRT
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



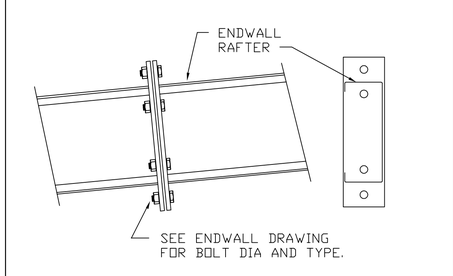
D13 RIGID FRAME CORNER COLUMN TO WALL GIRT
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



D15 RIGID FRAME CORNER COLUMN TO WALL GIRT
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



D17 CORNER COLUMN TO WALL GIRT
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



F7 RAFTER SPLICE ALONG SURFACE
SEE ENDWALL DRAWING FOR BOLT DIA AND TYPE.

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	DETAIL DRAWING
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E16 of E18

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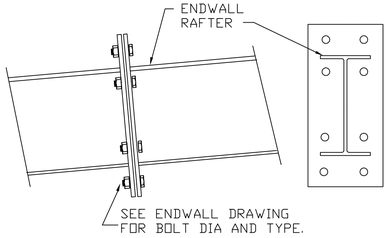
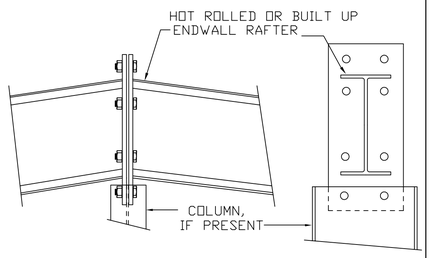
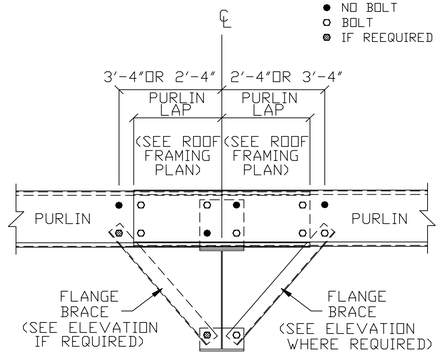
SIGNED: _____ DATE: _____



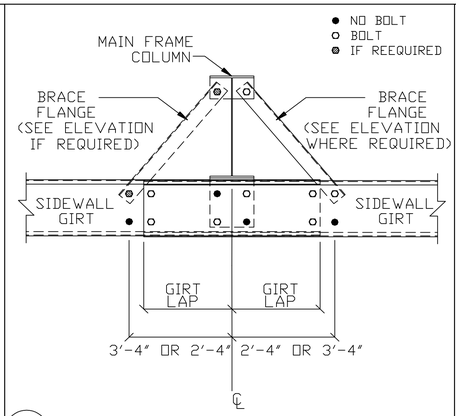
F9 RAFTER SPLICE ALONG SURFACE
SEE ENDWALL DRAWING FOR BOLT DIA AND TYPE.



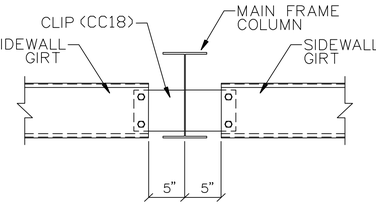
F12 RAFTER SPLICE AT RIDGE
HOT ROLLED OR BUILT UP RAFTER
SEE ENDWALL FRAMING ELEVATION FOR BOLT DIAMETER AND TYPE



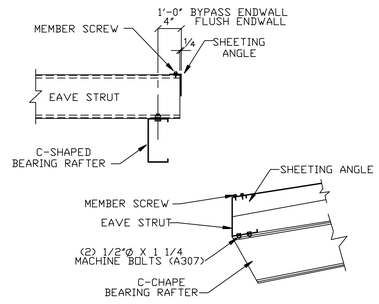
G2 BY-PASS PURLIN TO RAFTER DETAIL
ALL BOLTS ARE 1/2"ø X 1" MACHINE BOLTS U.N.



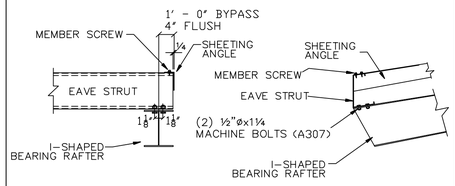
H2 MAIN FRAME INTERIOR COLUMN BY-PASS GIRTS
BOLTS ARE 1/2"ø X 1" MACHINE BOLTS U.N.



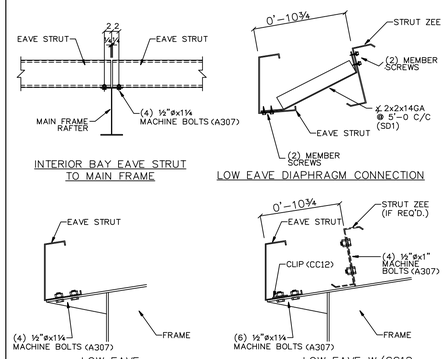
H6 MAIN FRAME INTERIOR COLUMN (2) BOLT CLIP FLUSH GIRTS
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



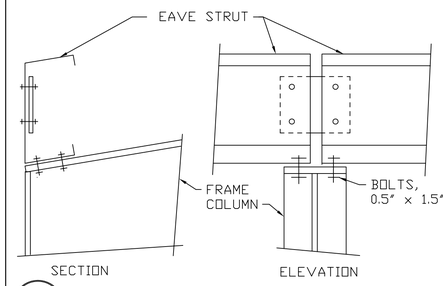
I6 END BAY EAVE STRUT TO BEARING FRAME ENDWALL
ALL BOLTS ARE 1/2"ø X 1 1/4" MACHINE BOLTS U.N.



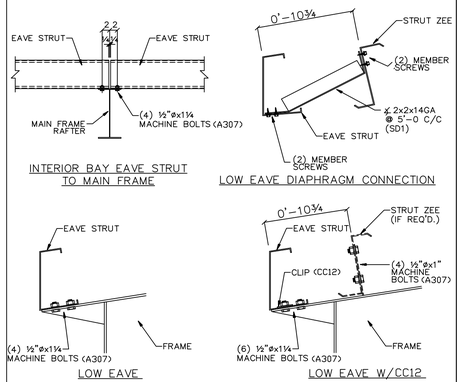
I8 END BAY EAVE STRUT TO BEARING FRAME ENDWALL
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



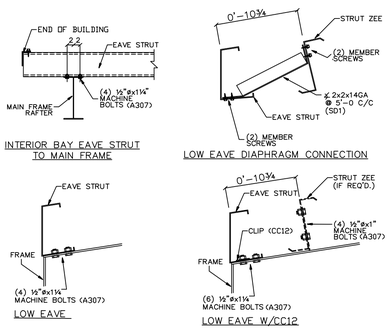
J2 LOW EAVE DETAIL (BYPASS CONDITION)
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



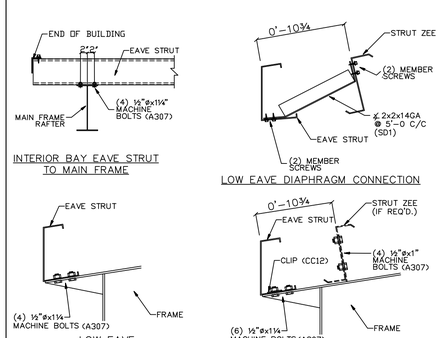
J3 EAVE STRUT TO RIGID FRAME



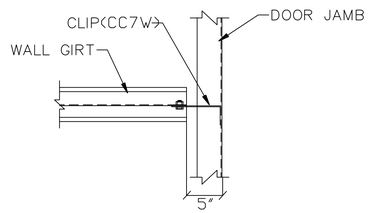
J4 LOW EAVE DETAIL (BYPASS CONDITION)
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



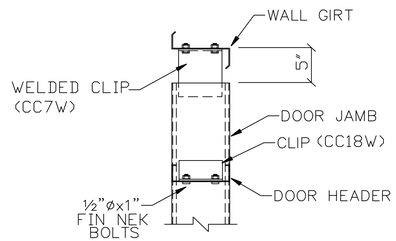
J23 LOW EAVE STRUT TO RIGID FRAME (FLUSH CONDITION)
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



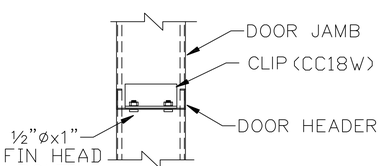
J24 LOW EAVE STRUT TO RIGID FRAME (BYPASS CONDITION)
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



K3 WALL GIRT TO DOOR JAMB
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



L8 DOOR JAMB TO WALL GIRT WELDED CLIPS
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.



M5 HEADER TO C JAMB
ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.

ISSUE	DESCRIPTION	DATE	DRN	CHK	DES
A	APPROVAL/PERMIT	12/07/18	JME	JYW	NMM

METAL BUILDING OUTLET CORP.

DESCRIPTION	DETAIL DRAWING
BUYER / CUSTOMER	Steve Fox
END USER	Steve Fox
END USE	Commercial
STREET	
CITY, STATE, ZIP	GLENDALE, AZ 85307
COUNTY	

S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E17 of E18

FOR APPROVAL
NOT FOR CONSTRUCTION

- ☐ APPROVED WITHOUT EXCEPTION
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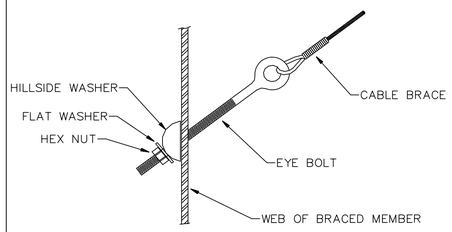
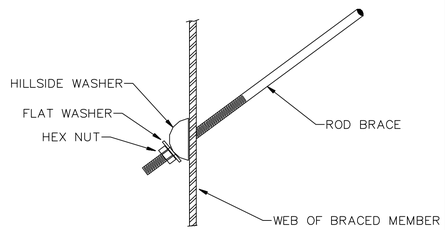
SIGNED: _____ DATE: _____



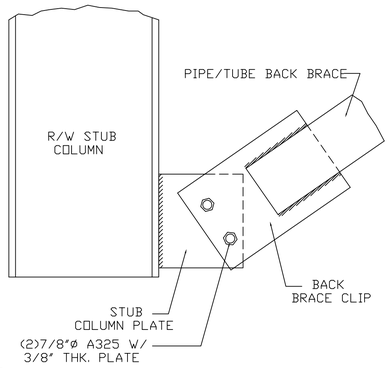
Q2 CABLE BRACE TO WEB CONNECTION

NOTE! USE A BACKUP PLATE UNDER THE HILLSIDE WASHER FOR COLD FORM MEMBERS

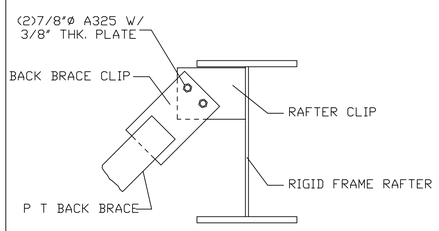


Q3 ROD BRACE TO WEB CONNECTION

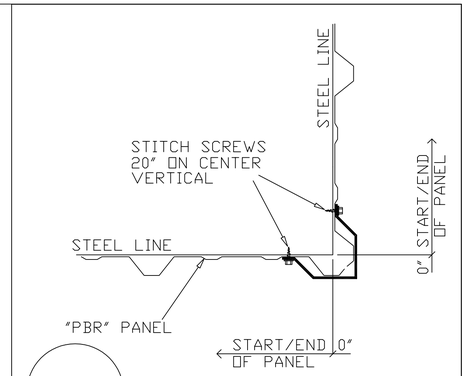
NOTE! USE A BACKUP PLATE UNDER THE HILLSIDE WASHER FOR COLD FORM MEMBERS



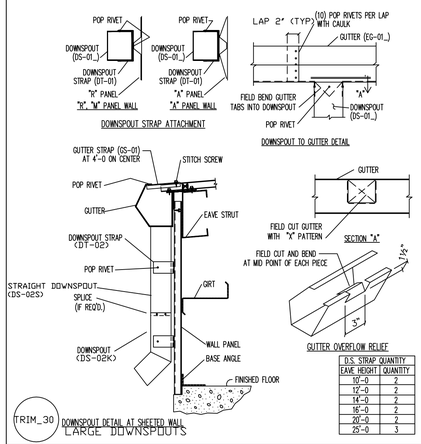
Q12 BACK BRACE TO R/W STUB COLUMN



Q31 BACK BRACE TO RIGID FRAME RAFTER

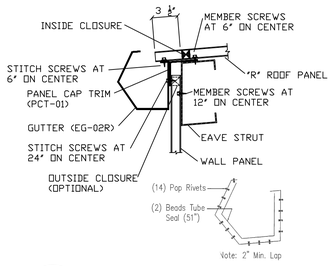


TRIM_19 OUTSIDE CORNER DETAIL

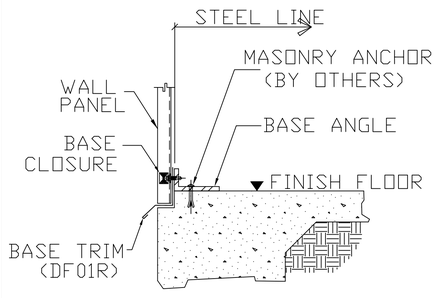


DS. STRAP QUANTITY	
EAVE HEIGHT	QUANTITY
10'-0	2
12'-0	2
14'-0	2
16'-0	2
20'-0	2
25'-0	3

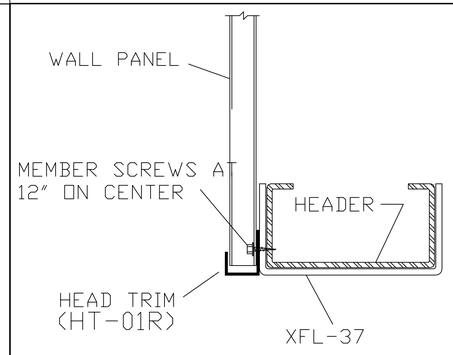
TRIM_30 LARGE DOWNSPOUTS



TRIM_48 LOW EAVE DETAIL WITH LARGE GUTTER & SHEETED WALL "R" ROOF PANEL

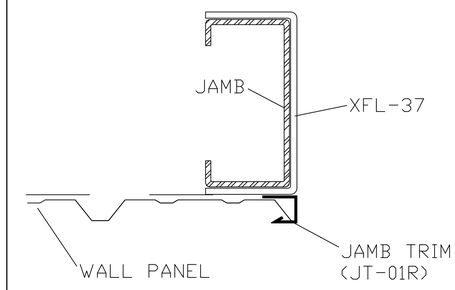


TRIM_60 SECTION THRU WALL PANEL & CONCRETE FOUNDATION (BASE ANGLE WITH TRIM)



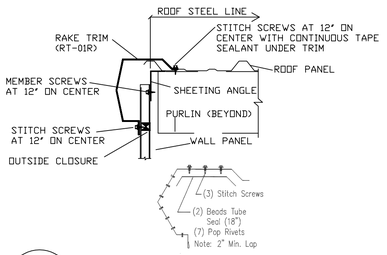
WITH WRAP TRIM

TRIM_72 HEADER DETAIL FOR FRAMED OPENINGS

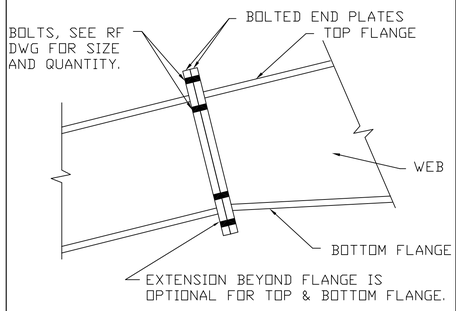


WITH WRAP TRIM

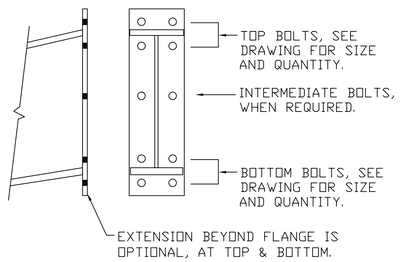
TRIM_80 JAMB DETAIL FOR FRAMED OPENINGS ("R" & "A" WALL PANEL)



TRIM_109 RAKE DETAIL WITH SHEETED WALL "R" ROOF PANEL SHOWN

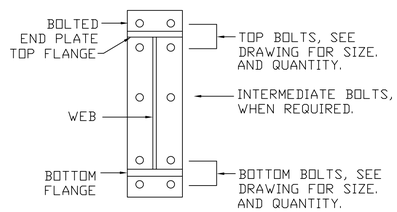


U1 BOLTED END PLATE RAFTER SPLICE

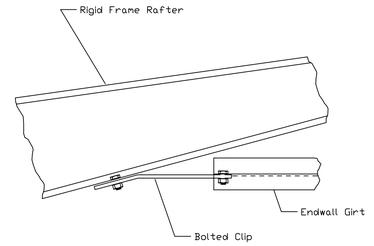


U2 BOLTED PLATE CONNECTION AT PEAK

SEE SPLICE PLATE & BOLT TABLE



U3 BOLTS FOR RAFTER TO COLUMN CONNECTION



W4 ENDWALL GIRT TO RAFTER CONNECTION

ALL BOLTS ARE ½"ø x1" MACHINE BOLTS U.N.

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S.O.#	10565-RA	JOB#	10565-RA	SCALE	N.T.S.	DWG#	E18 of E18

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