

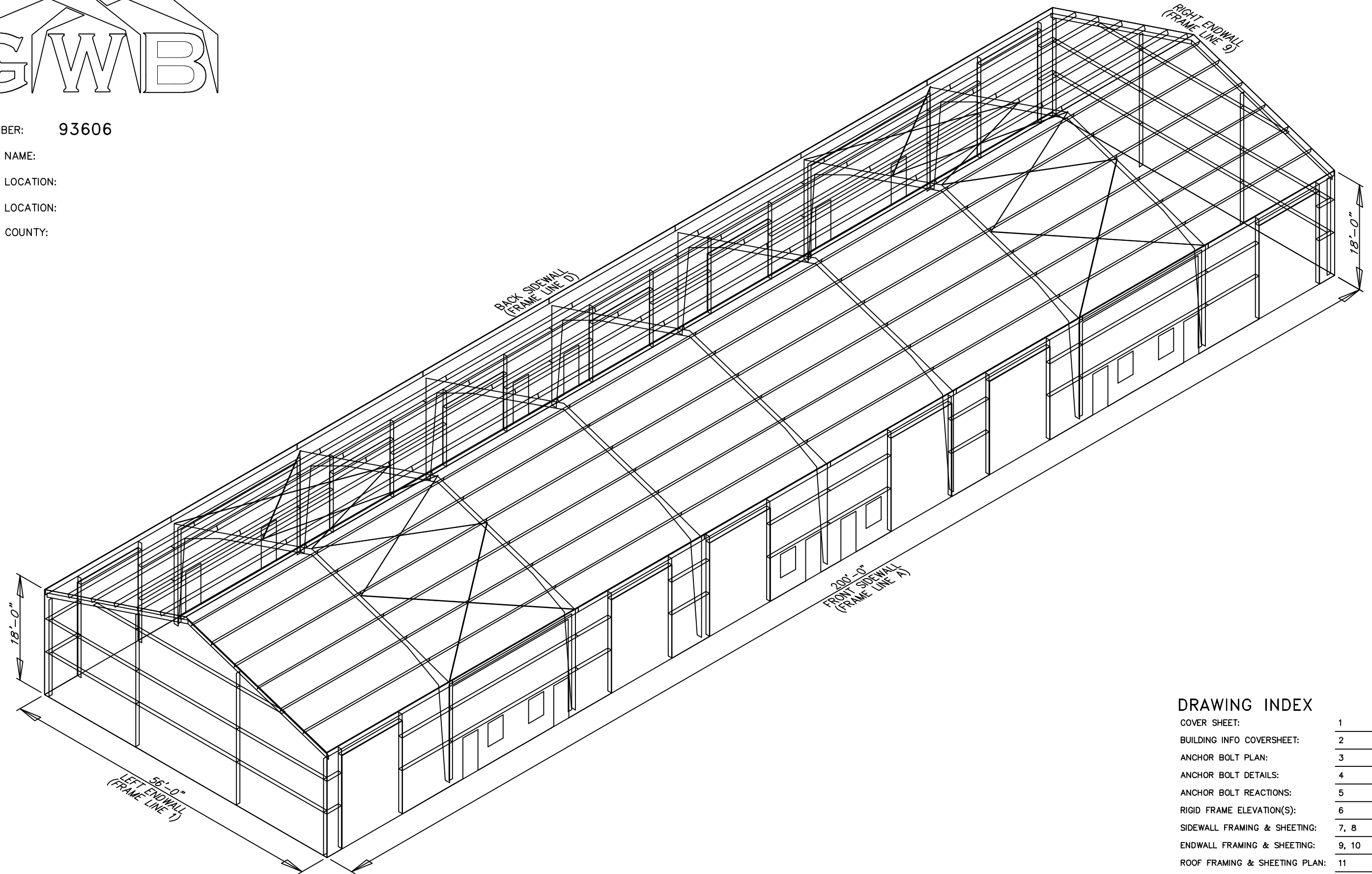
JOB NUMBER: 93606

PROJECT NAME:

PROJECT LOCATION:

PROJECT LOCATION:

PROJECT COUNTY:



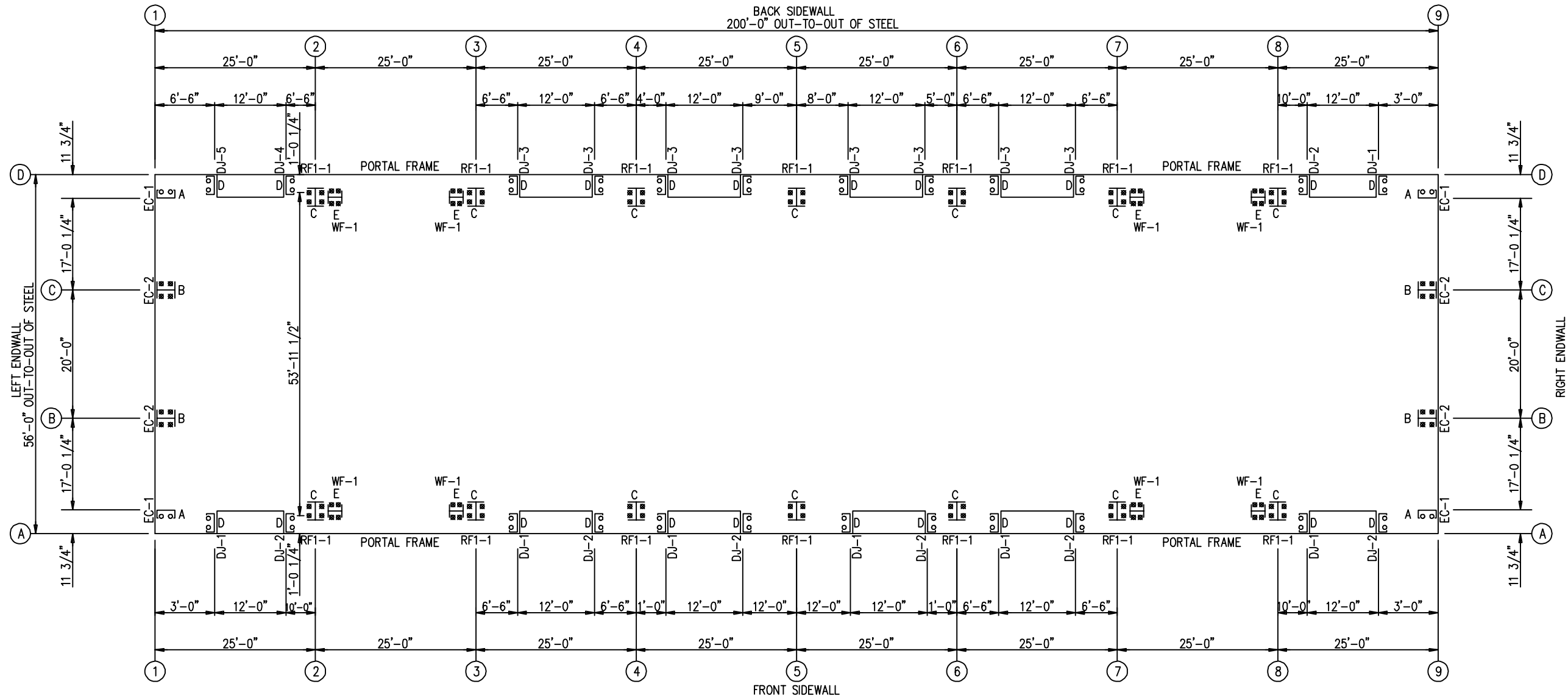
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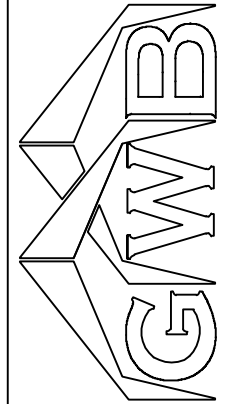
ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
○ 48	JAMB	5/8"	A307
○ 8	ENDWALL	5/8"	A307
⊗ 16	ENDWALL	3/4"	A307
⊗ 56	FRAME	3/4"	A307
⊗ 32	PORTAL COL	3/4"	A307

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	16/7/21	MEZ	MEZ	RTS
PERMIT	10/27/21	AA	CAF	RTS
ERECTION	17/11/21	JMM	JMM	RTS



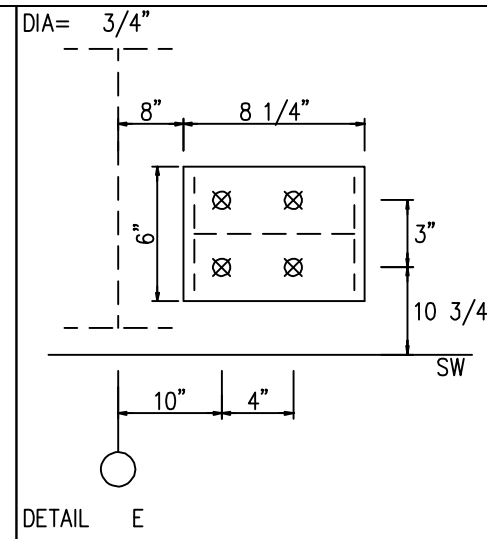
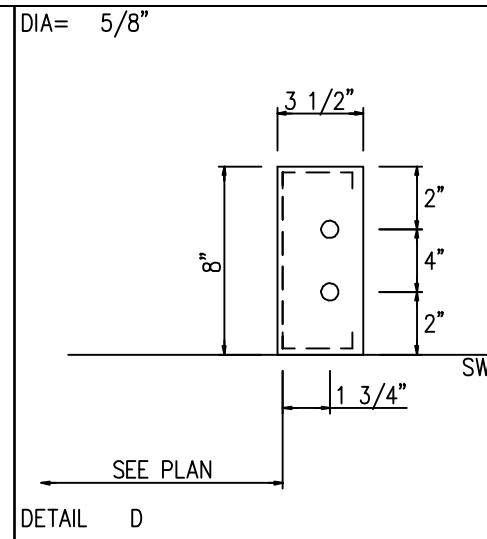
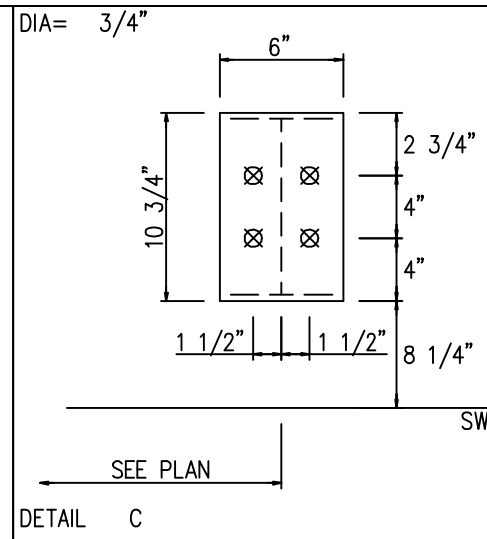
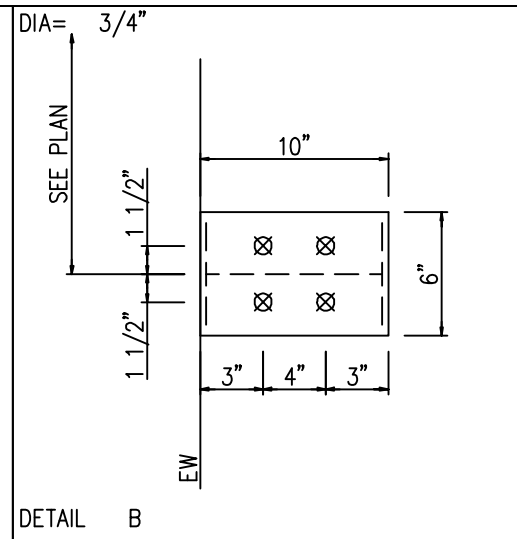
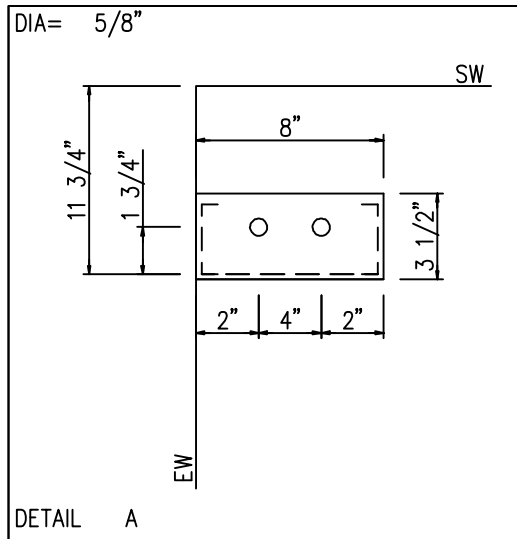
ANCHOR BOLT PLAN
NOTE: ALL BASE PLATES @ 100'-0" (U.N.)



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SCALE:	N.T.S.
SHEET NUMBER:	3 OF 18
JOB NUMBER:	93606
SHEET TITLE:	ANCHOR BOLT PLAN

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ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	16/11/21	MEZ	MEZ	RTS
PERMIT	10/27/21	AA	CAF	RTS
ERECTION	17/11/21	JMM	JMM	RTS

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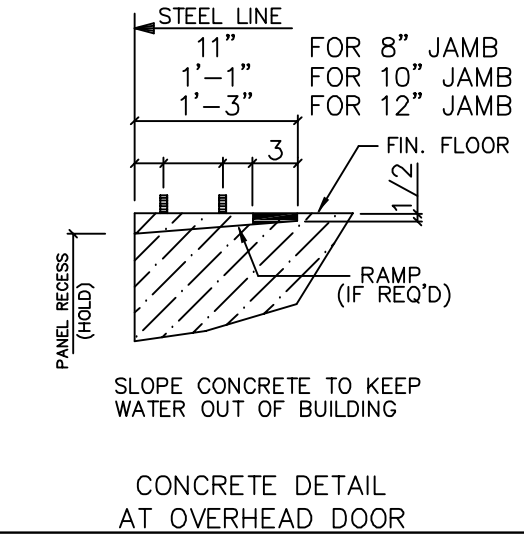
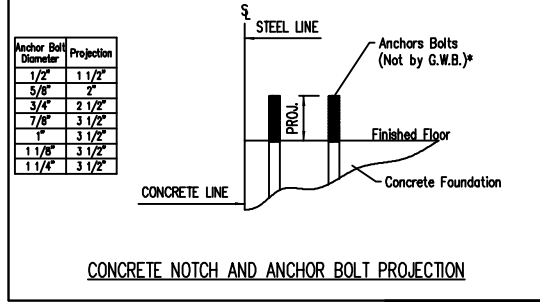
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PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
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SHEET NUMBER:	4 OF 18
JOB NUMBER:	93606
SHEET TITLE:	ANCHOR BOLT DETAILS

NOTE:
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. G.W.B. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

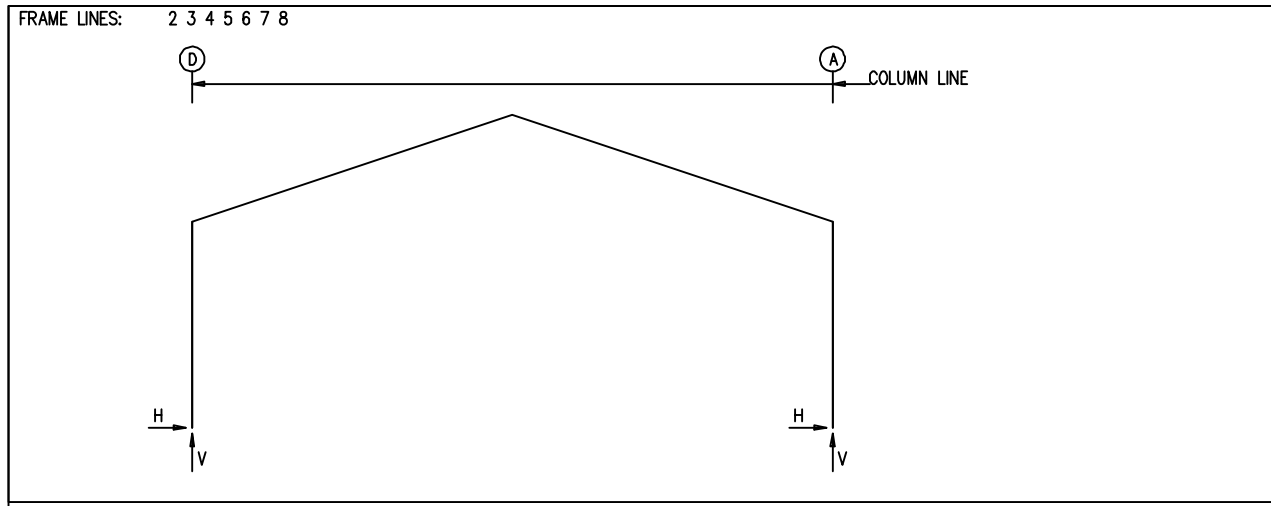
ANCHOR BOLT DIAMETERS HAVE BEEN DESIGNED BY THE METAL BUILDING ENGINEER BASED ON AISC METHOD WITH COMBINED SHEAR AND TENSION.

DEVELOPMENT, EMBEDMENT AND HOOK LENGTH OF ANCHOR BOLTS IN THE CONCRETE ARE DESIGN RESPONSIBILITY OF OTHERS. ALSO DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DESIGNED AND PROVIDED BY OTHERS.

NOTE: ANCHOR BOLT PROJECTION IS FROM BOTTOM OF BASE PLATE.



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

Frm Line	Col Line	Column_Reactions(k)				Hmin	V	Bolt(in) QTY	DIA	Base_Plate(in)			Grout (in)
		Load Id	Hmax	Vmax	Load Id					Width	Length	Thick	
2*	D	1	7.9	17.7	2	-5.2	-8.2	4	0.750	6.000	10.75	0.375	0.0
2*	A	3	5.2	-8.2	1	-7.9	17.7	4	0.750	6.000	10.75	0.375	0.0
		1	-7.9	17.7	3	5.2	-8.2						
2*	FRAME lines: 2 3 4 5 6 7 8												

RIGID FRAME: BASIC COLUMN REACTIONS (k)

FRAME Line	Column Line	Dead		Collateral		Live		Snow		Wind_Left		Wind_Right	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	0.9	2.2	0.7	1.5	6.4	14.0	4.8	10.5	-9.6	-15.8	-0.1	-11.2
2*	A	-0.9	2.2	-0.7	1.5	-6.4	14.0	-4.8	10.5	0.1	-11.2	9.6	-15.8

FRAME Line	Column Line	Wind_Left		Wind_Right		Wind_Long1		Wind_Long2		Seismic_Left		Seismic_Right	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	D	-9.3	-9.4	0.2	-4.8	-0.2	-13.4	-2.1	-12.0	-0.3	-0.2	0.3	0.2
2*	A	-0.2	-4.8	9.3	-9.4	2.1	-12.0	0.2	-13.4	-0.3	0.2	0.3	-0.2

FRAME Line	Column Line	F1UNB_SL_L		F1UNB_SL_R	
		Horiz	Vert	Horiz	Vert
2*	D	3.8	9.8	3.8	5.9
2*	A	-3.8	5.9	-3.8	9.8

2* FRAME lines: 2 3 4 5 6 7 8

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 56.0
- Length (ft) = 200.0
- Eave Height (ft) = 18.0/18.0
- Roof Slope (rise/12) = 4.0:12/4.0:12
- Dead Load (psf) = 2.00
- Collateral Load (psf) = 2.00
- Live Load (psf) = 20.00
- Snow Load (psf) = 15.0
- Wind Speed (mph) = 115.0
- Wind Code = IBC-18
- Exposure = C
- Closed/Open = Closed
- Importance Wind = 1.00
- Importance Seismic = 1.00
- Seismic Zone = C
- Seismic Coeff (Fa/Ss) = 0.27

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
5	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
6	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
7	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
8	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
9	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	Reactions(k)				Panel_Shear (lb/ft)		Note
			Horz	Vert	Horz	Vert	Wind	Seis	
L_EW	1						51	19	(a)
F_SW	A	2,3							(a)
R_EW	9						51	19	(a)
B_SW	D	7,8							(a)
		2,3							(a)

(a) Wind bent in bay

ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
48	JAMB	5/8"	A307
8	ENDWALL	5/8"	A307
16	ENDWALL	3/4"	A307
56	FRAME	3/4"	A307
32	PORTAL COL	3/4"	A307

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horiz	Wind Suct Horiz	Wind Long1 Vert	Wind Long2 Vert
1	D	0.3	0.2	1.8	1.3	-2.5	-1.9	-1.1	-0.5	-1.9	2.2	-3.3	-2.5
1	C	1.0	0.6	5.3	4.0	-7.6	-5.3	-5.7	-3.5	-5.0	5.6	-6.8	-3.7
1	B	1.0	0.6	5.3	4.0	-5.3	-7.6	-3.5	-5.7	-5.0	5.6	-3.7	-6.8
1	A	0.3	0.2	1.8	1.3	-1.9	-2.5	-0.5	-1.1	-1.9	2.2	-2.5	-3.3

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	E1UNB_SL_L-Horiz	E1UNB_SL_L-Vert	E1UNB_SL_R-Horiz	E1UNB_SL_R-Vert
1	D	0.0	0.1	0.0	1.3	0.0	0.3
1	C	0.0	-0.1	0.0	4.6	0.0	1.8
1	B	-0.1	0.0	0.0	1.8	0.0	4.6
1	A	0.1	0.0	0.0	0.3	0.0	1.3

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horiz	Wind Suct Horiz	Wind Long1 Vert	Wind Long2 Vert
9	A	0.3	0.2	1.8	1.3	-2.5	-1.9	-1.1	-0.5	-1.9	2.2	-3.3	-2.5
9	B	1.0	0.6	5.3	4.0	-7.6	-5.3	-5.7	-3.5	-5.0	5.6	-6.8	-3.7
9	C	1.0	0.6	5.3	4.0	-5.3	-7.6	-3.5	-5.7	-5.0	5.6	-3.7	-6.8
9	D	0.3	0.2	1.8	1.3	-1.9	-2.5	-0.5	-1.1	-1.9	2.2	-2.5	-3.3

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	E2UNB_SL_L-Horiz	E2UNB_SL_L-Vert	E2UNB_SL_R-Horiz	E2UNB_SL_R-Vert
9	A	0.0	0.1	0.0	1.3	0.0	0.3
9	B	0.0	-0.1	0.0	4.6	0.0	1.8
9	C	-0.1	0.0	0.0	1.8	0.0	4.6
9	D	0.1	0.0	0.0	0.3	0.0	1.3

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k)				Hmin	V	Bolt(in) QTY	DIA	Base_Plate(in)			Grout (in)
		Load Id	Hmax	Vmax	Load Id					Width	Length	Thick	
1	D	4	1.3	-1.8	5	-1.1	-1.8	2	0.625	3.500	8.000	0.250	0.0
1	C	6	3.3	-4.0	5	-3.0	-3.5	4	0.750	6.000	10.00	0.375	0.0
1	B	7	3.3	-4.0	8	-3.0	-3.5	4	0.750	6.000	10.00	0.375	0.0
1	A	9	1.3	-1.8	7	-1.1	-1.8	2	0.625	3.500	8.000	0.250	0.0
9	A	4	1.3	-1.8	5	-1.1	-1.8	2	0.625	3.500	8.000	0.250	0.0
9	B	6	3.3	-4.0	5	-3.0	-3.5	4	0.750	6.000	10.00	0.375	0.0
9	C	7	3.3	-4.0	8	-3.0	-3.5	4	0.750	6.000	10.00	0.375	0.0
9	D	9	1.3	-1.8	8	-1.1	-1.8	2	0.625	3.500	8.000	0.250	0.0

WIND BENT REACTIONS

Loc	Wall Line	Col Line	Reactions				Bolt(in) QTY	DIA	Base_Plate(in)		
			Horz	Vert	Horz	Vert			Width	Length	Thick
F_SW	A	2	1.5	2.2	0.6	0.9	4	0.750	6.000	8.25	0.375
F_SW	A	3	1.5	2.2	0.6	0.9	4	0.750	6.000	8.25	0.375
F_SW	A	7	1.5	2.2	0.6	0.9	4	0.750	6.000	8.25	0.375
F_SW	A	8	1.5	2.2	0.6	0.9	4	0.750	6.000	8.25	0.375
B_SW	D	8	1.5	2.2	0.6	0.9	4	0.750	6.000	8.25	0.375
B_SW	D	7	1.5	2.2	0.6	0.9	4	0.750	6.000	8.25	0.375
B_SW	D	3	1.5	2.2	0.6	0.9	4	0.750	6.000	8.25	0.375
B_SW	D	2	1.5	2.2	0.6	0.9	4	0.750	6.000	8.25	0.375

ISSUE	DATE	CHK.	ENG.	APPROVAL			PERMIT			ERECTION			
				MEZ	RTS	RTS	AA	CAF	JMM	JMM	RTS		

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SCALE:	N.T.S.
SHEET NUMBER:	5 OF 18
JOB NUMBER:	93606
SHEET TITLE:	ANCHOR BOLT REACTIONS

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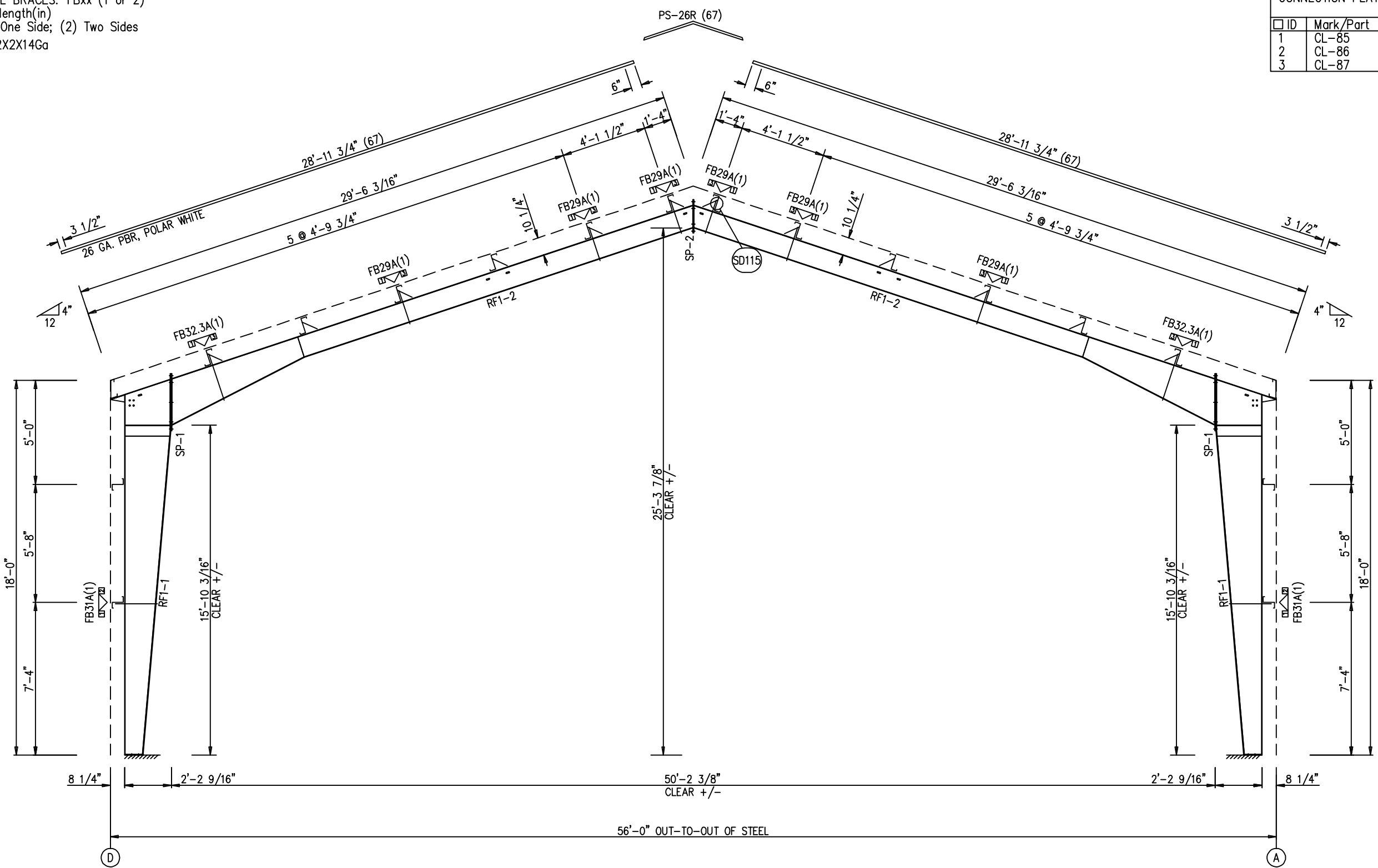
SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	2	A325	5/8"	2"
SP-2	4	4	0	A325	5/8"	1 3/4"

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
RF1-1	10.0/25.7	0.135	0.135	15'-3 1/2"	5 x 1/4" x 17'-3 5/16"	5 x 5/16" x 15'-7 1/8"
RF1-2	25.7/26.0	0.188	0.164	2'-8 9/16"	5 x 1/4" x 3'-0 5/16"	5 x 1/4" x 7'-1 11/16"
	25.0/12.0	0.164	0.135	7'-0 11/16"	5 x 1/4" x 26'-4 1/4"	

▽ FLANGE BRACES: FBxx (1 or 2)
 xx=length(in)
 (1) One Side; (2) Two Sides
 A - 2X2X14Ga

CONNECTION PLATES		
ID	Mark/Part	
1	CL-85	
2	CL-86	
3	CL-87	

DATE	DWN.	CHK.	ENG.
16/7/21	MEZ	MEZ	RTS
16/7/21	AA	CAF	RTS
17/7/21	JMM	JMM	RTS

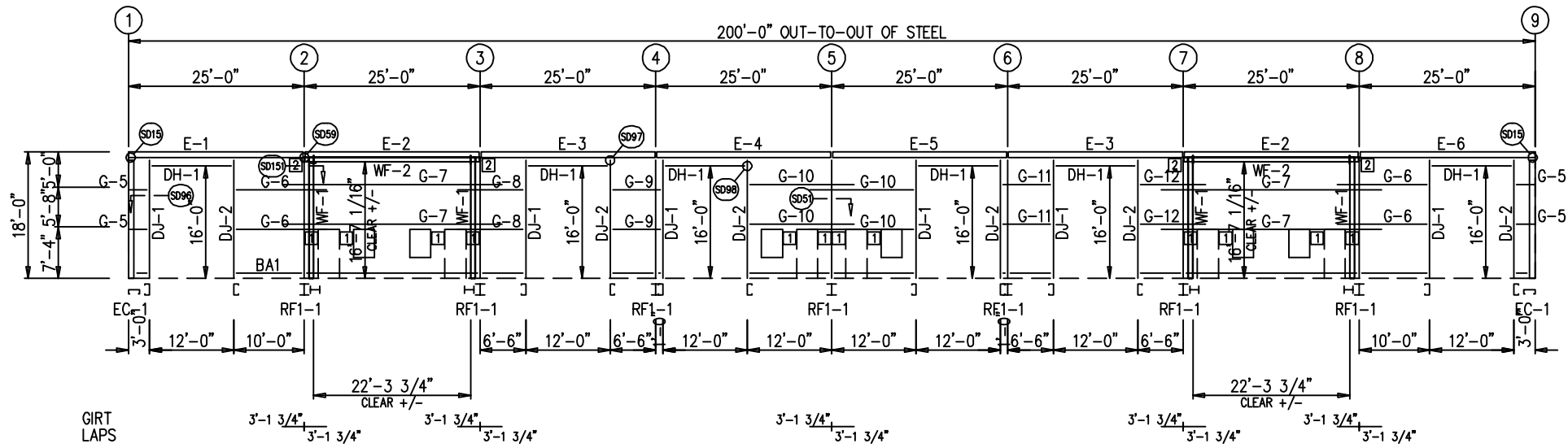



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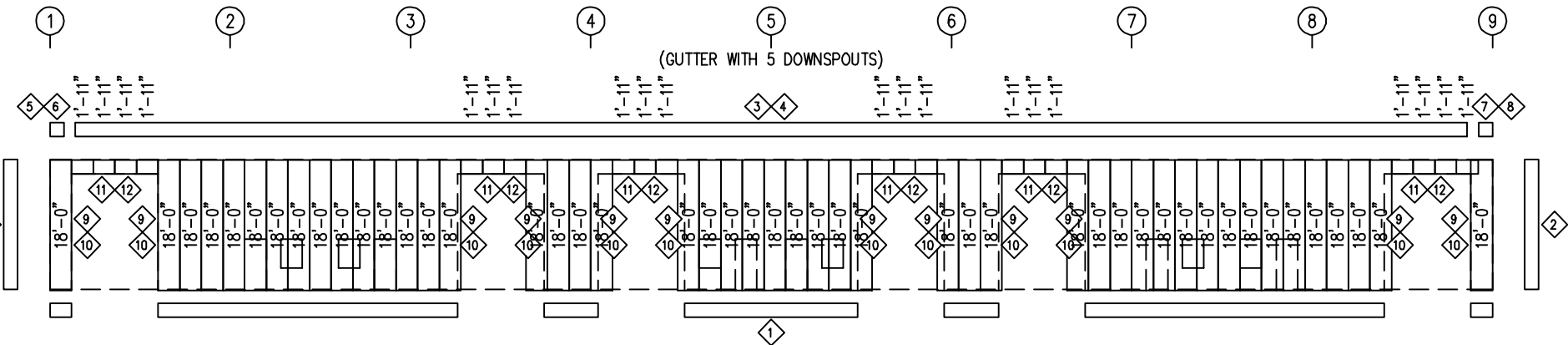
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PROJECT END USE:	
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CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	6 OF 18
JOB NUMBER:	93606
SHEET TITLE:	RIGID FRAME ELEVATION

RIGID FRAME ELEVATION: FRAME LINES 2 3 4 5 6 7 8

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SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 GA. PBR - LIGHT STONE

TRIM TABLE
FRAME LINE A

ID	QUAN	PART	LENGTH	DETAIL
1	13	FL-60	10'-2"	TD74
2	2	FL-10	18'-0"	TD40
3	15	FL-32	12'-2"	TD15
4	17	FL-31	12'-0"	TD15
5	1	FL-32L	11'-2"	TD13
6	1	FL-33L	8"	TD85
7	1	FL-33R	11'-2"	TD13
8	1	FL-33R	8"	TD85
9	12	FL-55	16'-2"	TD51
10	12	FL-48	16'-2"	TD51
11	6	FL-55	12'-7"	TD52
12	6	FL-52	12'-4"	TD52
13	12	FL-48	7'-2"	TD51
14	6	FL-52	3'-4"	TD52
15	6	FL-52	3'-4"	TD354

BOLT TABLE
FRAME LINE A

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	5/8"	1 3/4"
WF-1 - RF1-1	8	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE A

QUAN	MARK	PART	LENGTH
4	WF-1	W8X18	17'-3"
2	WF-2	W8X24	22'-3 5/8"
6	DJ-1	8X25C14	17'-3 7/8"
6	DJ-2	8X25C14	17'-3 7/8"
6	DH-1	8X25C16	11'-11 1/2"
1	E-1	L10E16-4	24'-11 1/2"
2	E-2	L10E16-4	24'-11 1/2"
2	E-3	L10E16-4	24'-11 1/2"
1	E-4	L10E16-4	24'-11 1/2"
1	E-5	L10E16-4	24'-11 1/2"
1	E-6	L10E16-4	24'-11 1/2"
4	G-5	8X25Z16	2'-7 11/16"
4	G-6	8X25Z16	12'-9 11/16"
4	G-7	8X25Z16	31'-3 1/2"
2	G-8	8X25Z16	9'-3 11/16"
2	G-9	8X25Z16	6'-9 7/8"
4	G-10	8X25Z16	14'-9 11/16"
2	G-11	8X25Z16	6'-9 7/8"
2	G-12	8X25Z16	9'-3 11/16"

CONNECTION PLATES
FRAME LINE A

ID	QUAN	MARK
1	12	GW-500
2	4	GW-501

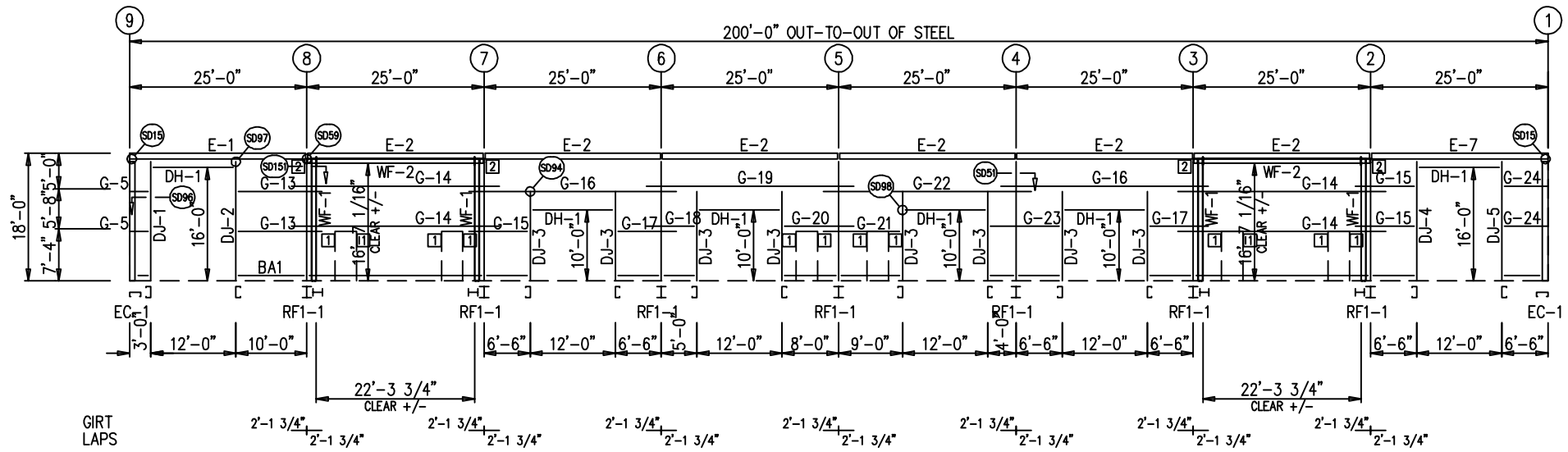
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ISSUE	DATE	CHK.	ENG.
APPROVAL	16/01/21	DWN.	RTS
PERMIT	10/27/21	MEZ	RTS
ERECTION	17/03/21	AA	RTS
		JMM	RTS

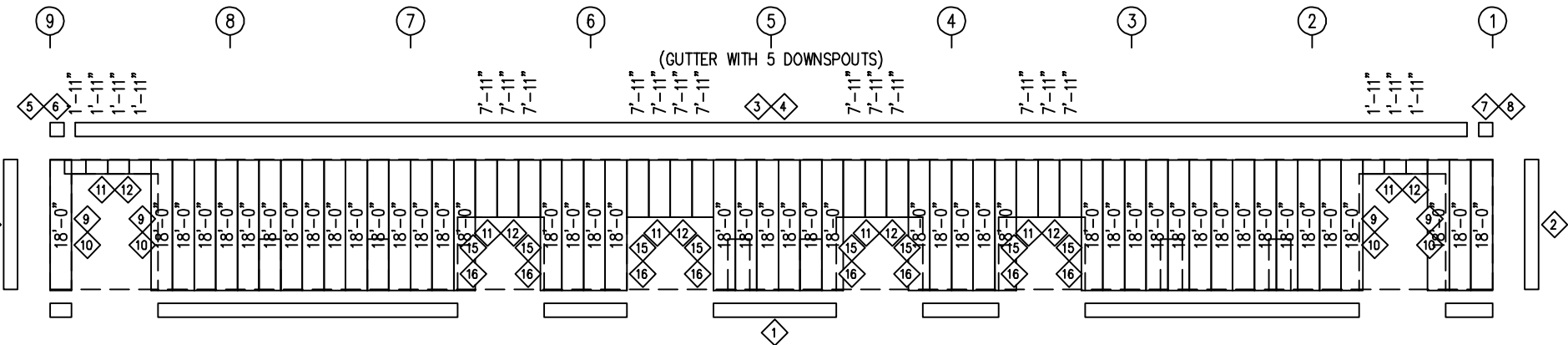
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SHEET NUMBER:	7 OF 18
JOB NUMBER:	93606
SHEET TITLE:	SIDEWALL FRAMING & SHEETING

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SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D
PANELS: 26 GA. PBR - LIGHT STONE

TRIM TABLE
FRAME LINE D

ID	QUAN	PART	LENGTH	DETAIL
1	13	FL-60	10'-2"	TD74
2	2	FL-10	18'-0"	TD40
3	15	FL-32	12'-2"	TD15
4	17	FL-31	12'-0"	TD15
5	1	FL-32L	11'-2"	TD13
6	1	FL-33L	8"	TD85
7	1	FL-32R	11'-2"	TD13
8	1	FL-33R	8"	TD85
9	4	FL-55	16'-2"	TD51
10	4	FL-48	16'-2"	TD51
11	6	FL-55	12'-7"	TD52
12	6	FL-52	12'-4"	TD52
13	12	FL-48	7'-2"	TD51
14	6	FL-52	3'-4"	TD52
15	8	FL-55	10'-2"	TD51
16	8	FL-48	10'-3"	TD51

BOLT TABLE
FRAME LINE D

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	5/8"	1 3/4"
WF-1 - RF1-1	8	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE D

QUAN	MARK	PART	LENGTH
4	WF-1	W8X18	17'-3"
2	WF-2	W8X24	22'-3 5/8"
1	DJ-1	8x25C14	17'-3 7/8"
1	DJ-2	8x25C14	17'-3 7/8"
8	DJ-3	8x25C16	13'-0"
1	DJ-4	8x35C14	17'-3 7/8"
1	DJ-5	8x35C14	17'-3 7/8"
6	DH-1	8x25C16	11'-11 1/2"
1	E-1	L10E16-4	24'-11 1/2"
6	E-2	L10E16-4	24'-11 1/2"
1	E-7	L10E16-4	24'-11 1/2"
2	G-5	8X25Z16	2'-7 11/16"
2	G-13	8X25Z16	11'-9 11/16"
4	G-14	8X25Z16	29'-3 1/2"
3	G-15	8X25Z16	8'-3 11/16"
2	G-16	8X25Z16	29'-3 1/2"
2	G-17	8X25Z16	8'-3 11/16"
1	G-18	8X25Z16	6'-9 11/16"
1	G-19	8X25Z16	29'-3 1/2"
1	G-20	8X25Z16	9'-9 11/16"
1	G-21	8X25Z16	10'-9 11/16"
1	G-22	8X25Z16	29'-3 1/2"
1	G-23	8X25Z16	9'-9 7/8"
2	G-24	8X25Z16	6'-1 11/16"

CONNECTION PLATES
FRAME LINE D

ID	QUAN	MARK
1	12	GW-500
2	4	GW-501

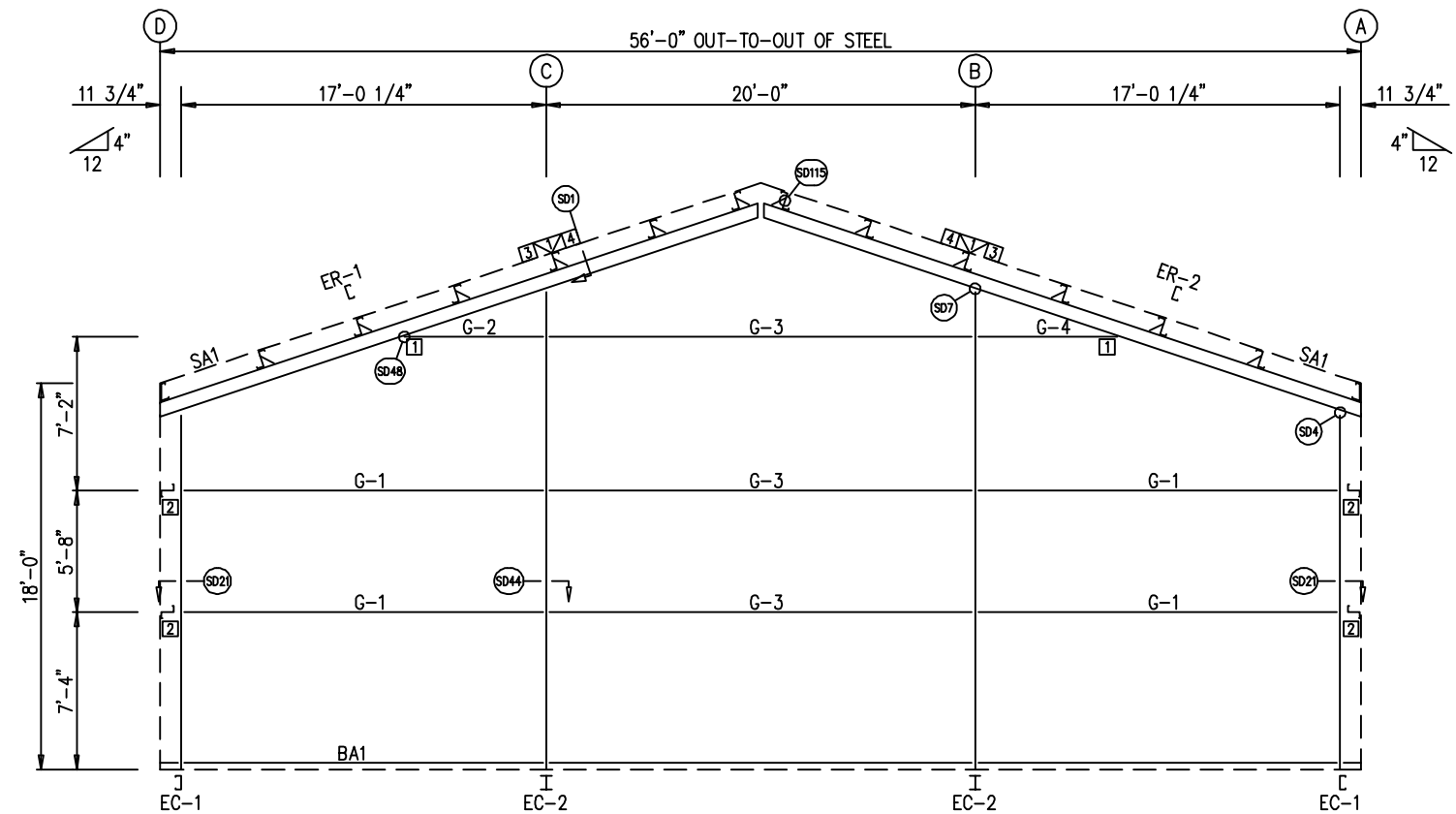
(6) 3070

ISSUE	DATE	CHK.	ENG.
APPROVAL	16/07/21	DWN.	MEZ
PERMIT	10/27/21	MEZ	RTS
ERECTION	17/03/21	AA	RTS
		JMM	RTS

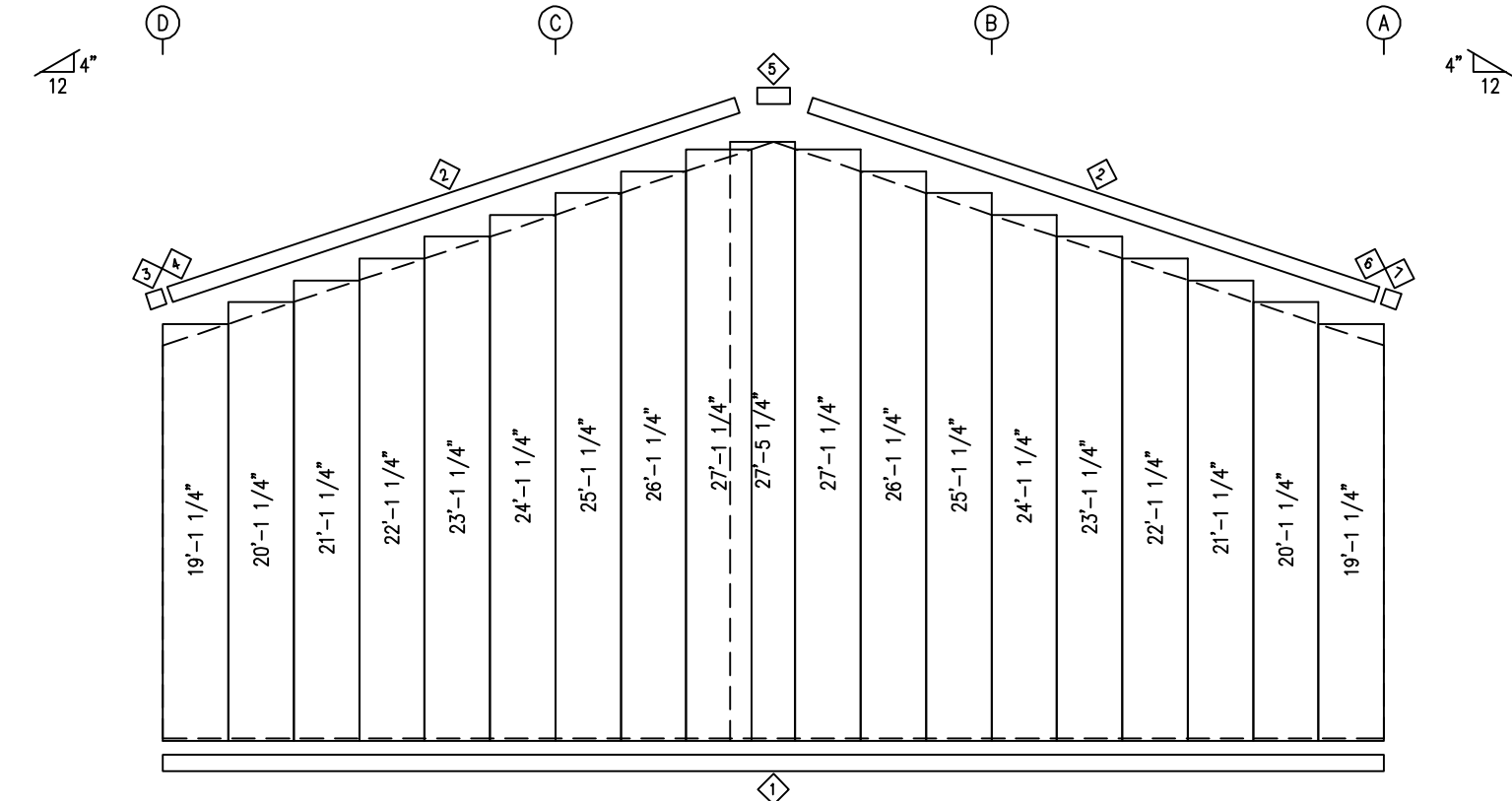
3033 S. PARKER RD 12 FLOOR
AURORA, CO 80014
PHONE: (800)-497-2135
WWW.GREATWESTERNBUILDINGS.COM

CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	8 OF 18
JOB NUMBER:	93606
SHEET TITLE:	SIDEWALL FRAMING & SHEETING

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ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 GA. PBR - LIGHT STONE

TRIM TABLE
FRAME LINE 1

ID	QUAN	PART	LENGTH	DETAIL
1	6	FL-60	10'-2"	TD74
2	4	FL-21	9'-11"	TD35
3	1	FL-21L	11'-2"	TD85
4	1	FL-328L	9 1/2"	TD13
5	1	FL-23	1'-4"	
6	1	FL-21R	11'-2"	TD85
7	1	FL-328R	9 1/2"	TD13

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 3/4"
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 1

QUAN	MARK	PART	LENGTH
2	EC-1	8X35C14	16'-5 13/16"
2	EC-2	W10X12	22'-1 7/8"
1	ER-1	10X35C12	29'-5 15/16"
1	ER-2	10X35C12	29'-5 15/16"
4	G-1	8X25Z14	16'-7 7/8"
1	G-2	8X25Z16	5'-6 5/8"
3	G-3	8X25Z12	19'-3 13/16"
1	G-4	8X25Z16	5'-6 5/8"

CONNECTION PLATES
FRAME LINE 1

ID	QUAN	MARK
1	2	CL-109
2	4	CL-5
3	2	CL-85
4	2	CL-87

FLANGE BRACE TABLE
FRAME LINE 1

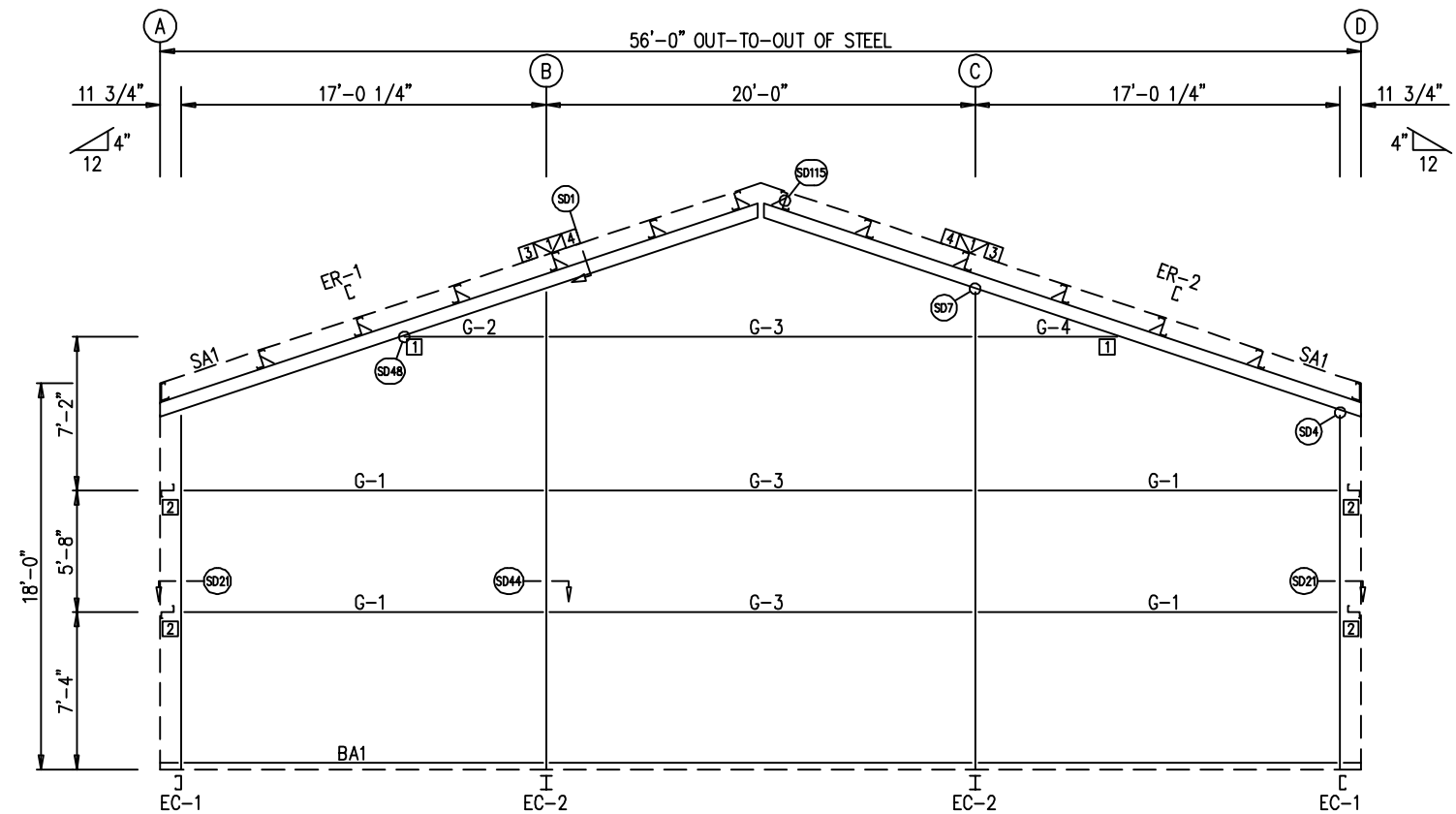
ID	QUAN	MARK
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DATE	DWN.	CHK.	ENG.
16/7/21	MEZ	MEZ	RTS
10/27/21	AA	CAF	RTS
17/11/21	JMM	JMM	RTS

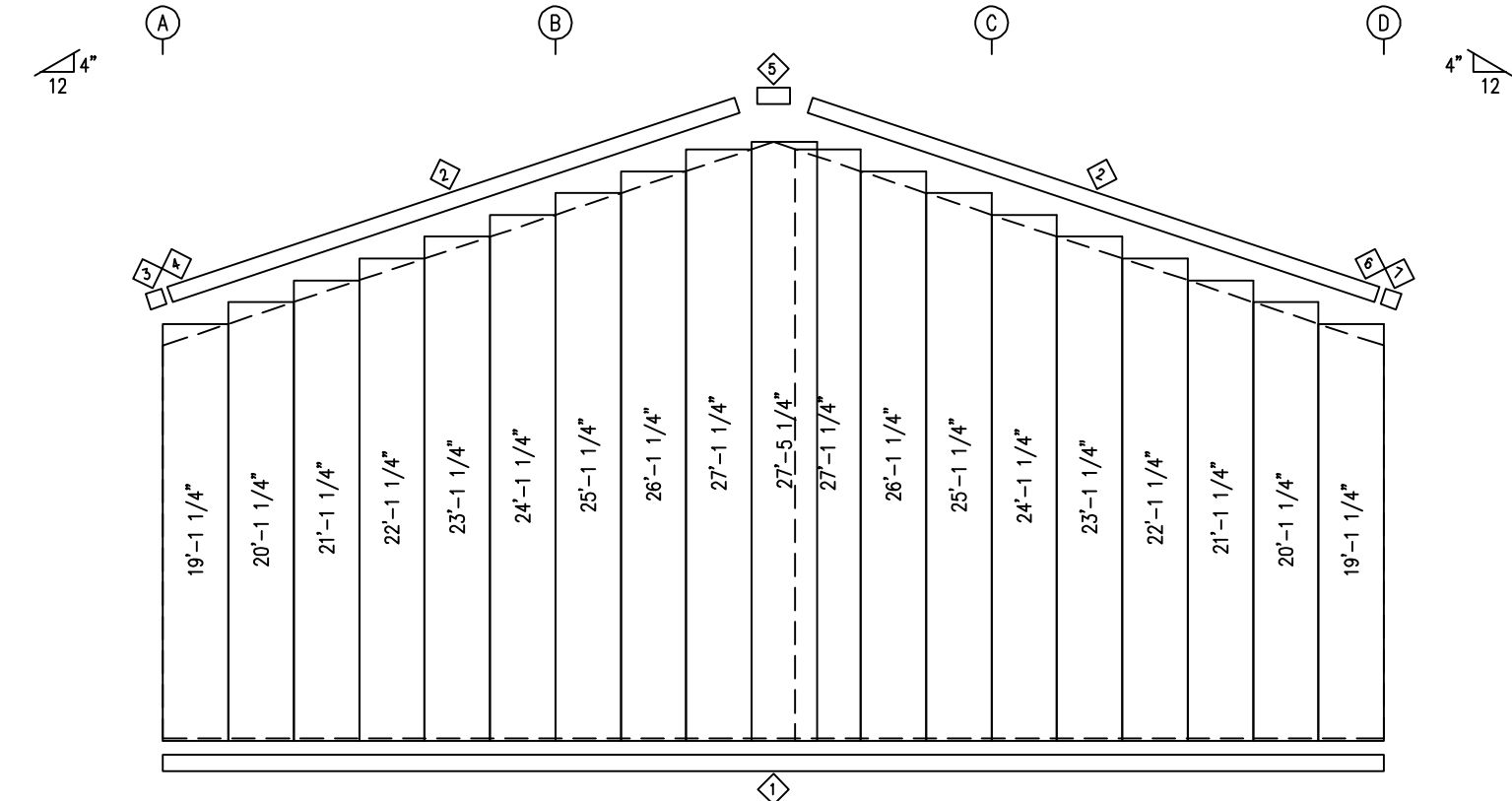
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CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	9 OF 18
JOB NUMBER:	93606
SHEET TITLE:	ENDWALL FRAMING & SHEETING

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ENDWALL FRAMING: FRAME LINE 9



ENDWALL SHEETING & TRIM: FRAME LINE 9
PANELS: 26 GA. PBR - LIGHT STONE

TRIM TABLE FRAME LINE 9				
ID	QUAN	PART	LENGTH	DETAIL
1	6	FL-60	10'-2"	TD74
2	4	FL-21	9'-11"	TD35
3	1	FL-21L	11'-2"	TD85
4	1	FL-328L	9 1/2"	TD13
5	1	FL-23	1'-4"	
6	1	FL-21R	11'-2"	TD85
7	1	FL-328R	9 1/2"	TD13

BOLT TABLE FRAME LINE 9				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 3/4"
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE 9			
QUAN	MARK	PART	LENGTH
2	EC-1	8X35C14	16'-5 13/16"
2	EC-2	W10X12	22'-1 7/8"
1	ER-1	10X35C12	29'-5 15/16"
1	ER-2	10X35C12	29'-5 15/16"
4	G-1	8X25Z14	16'-7 7/8"
1	G-2	8X25Z16	5'-6 5/8"
3	G-3	8X25Z12	19'-3 13/16"
1	G-4	8X25Z16	5'-6 5/8"

CONNECTION PLATES FRAME LINE 9		
ID	QUAN	MARK
1	2	CL-109
2	4	CL-5
3	2	CL-85
4	2	CL-87

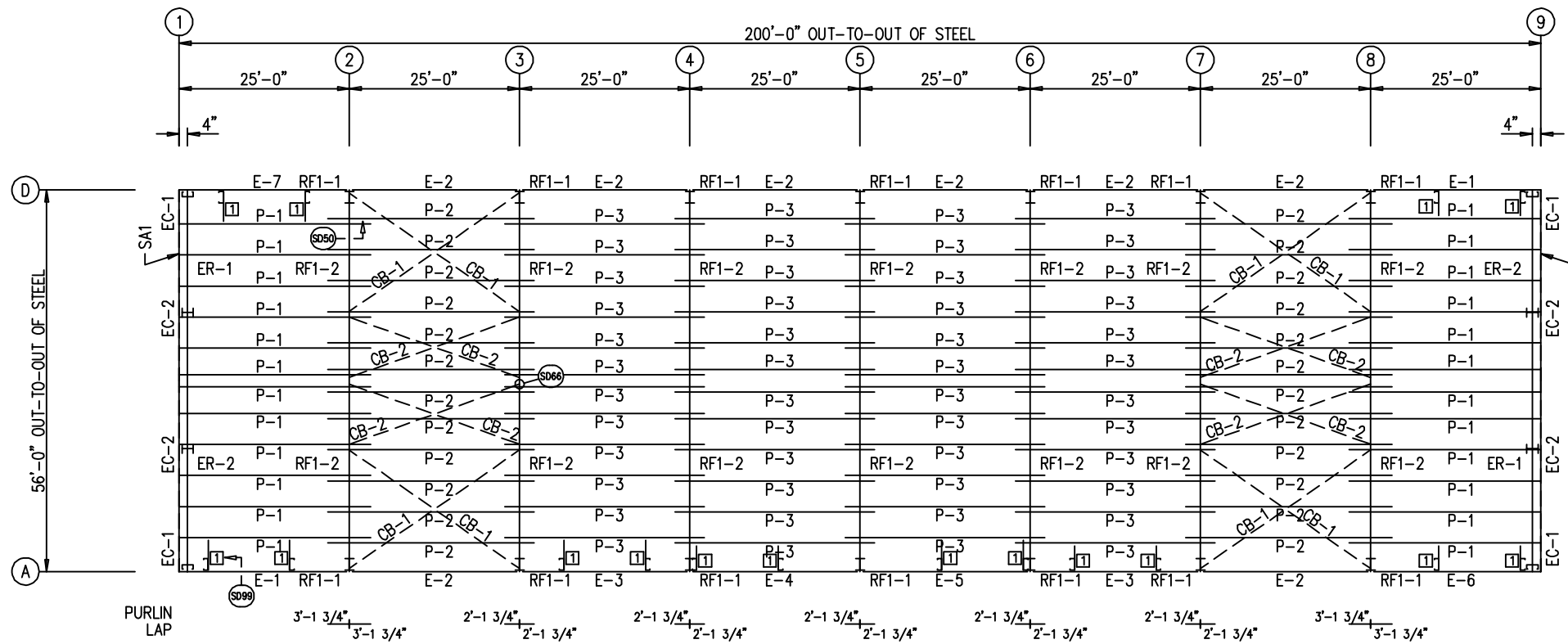
FLANGE BRACE TABLE FRAME LINE 9		
ID	QUAN	MARK
1	2	FB28.5

DATE	DWN.	CHK.	ENG.
16/7/21	MEZ	MEZ	RTS
10/27/21	AA	CAF	RTS
17/11/21	JMM	JMM	RTS

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CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	10 OF 18
JOB NUMBER:	93606
SHEET TITLE:	ENDWALL FRAMING & SHEETING

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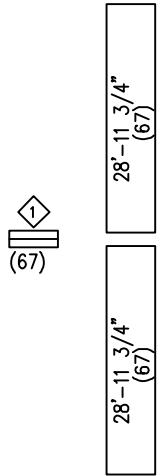


ROOF FRAMING PLAN

TRIM TABLE ROOF PLAN				
Q>ID	QUAN	PART	LENGTH	DETAIL
1	67	PS-26R	3'-0"	TD8

MEMBER TABLE ROOF PLAN				
QUAN	MARK	PART	LENGTH	
24	P-1	10X25Z16	28'-1 1/2"	
24	P-2	10X25Z16	30'-3 1/2"	
48	P-3	10X25Z16	29'-3 1/2"	
2	E-1	L10E16-4	24'-11 1/2"	
8	E-2	L10E16-4	24'-11 1/2"	
2	E-3	L10E16-4	24'-11 1/2"	
1	E-4	L10E16-4	24'-11 1/2"	
1	E-5	L10E16-4	24'-11 1/2"	
1	E-6	L10E16-4	24'-11 1/2"	
1	E-7	L10E16-4	24'-11 1/2"	
8	CB-1	CB0250	31'-1"	
8	CB-2	CB0250	27'-0 3/4"	

CONNECTION PLATES ROOF PLAN		
Q>ID	QUAN	MARK
1	16	JB-1



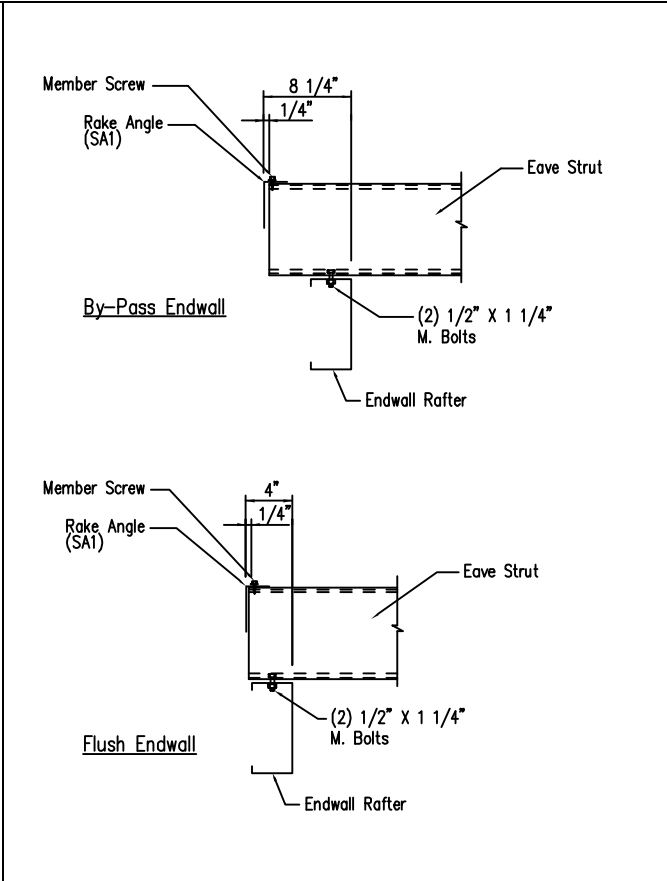
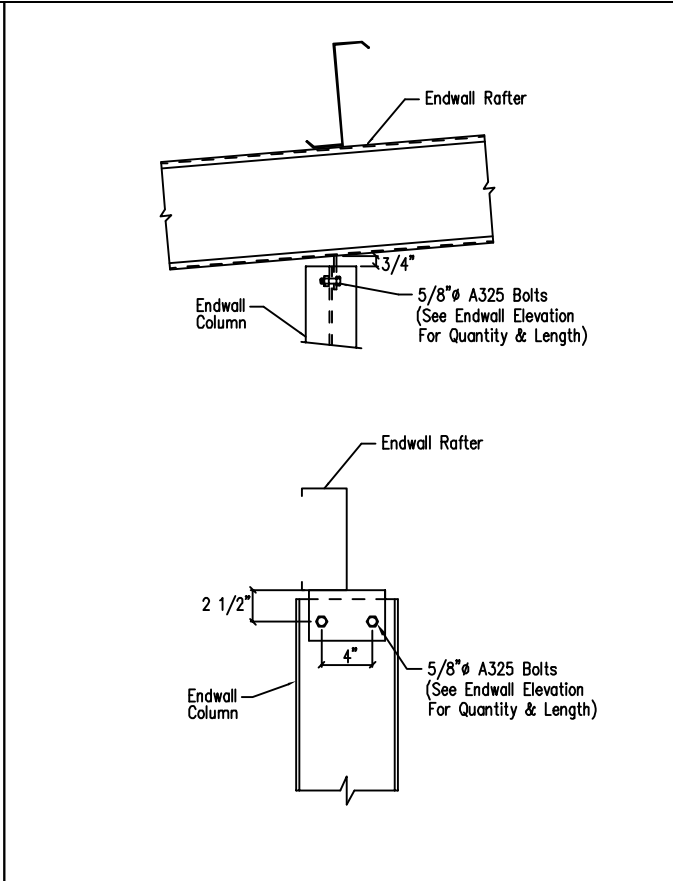
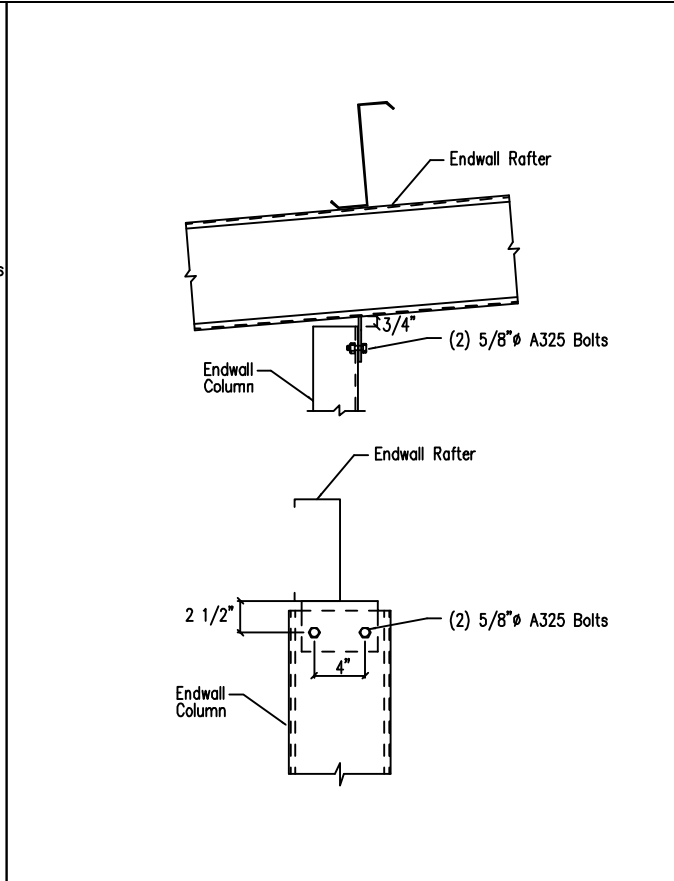
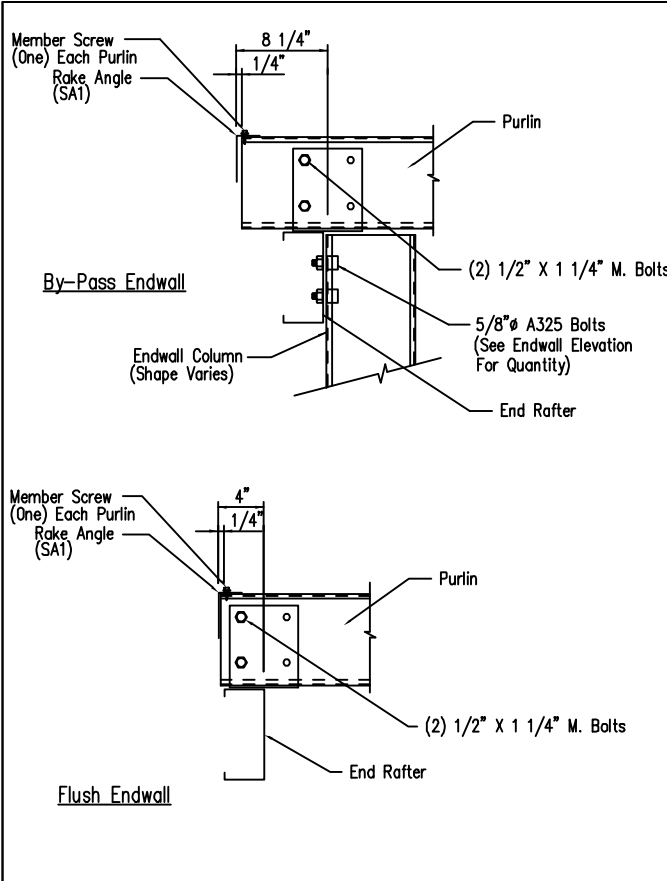
ROOF SHEETING
PANELS: 26 GA. PBR
POLAR WHITE

ISSUE				
DATE	DWN.	CHK.	ENG.	
16/07/21	MEZ	MEZ	RTS	
10/07/21	AA	CAF	RTS	
17/03/21	JMM	JMM	RTS	

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JOB NUMBER:	93606
SHEET TITLE:	ROOF FRAMING & SHEETING PLAN

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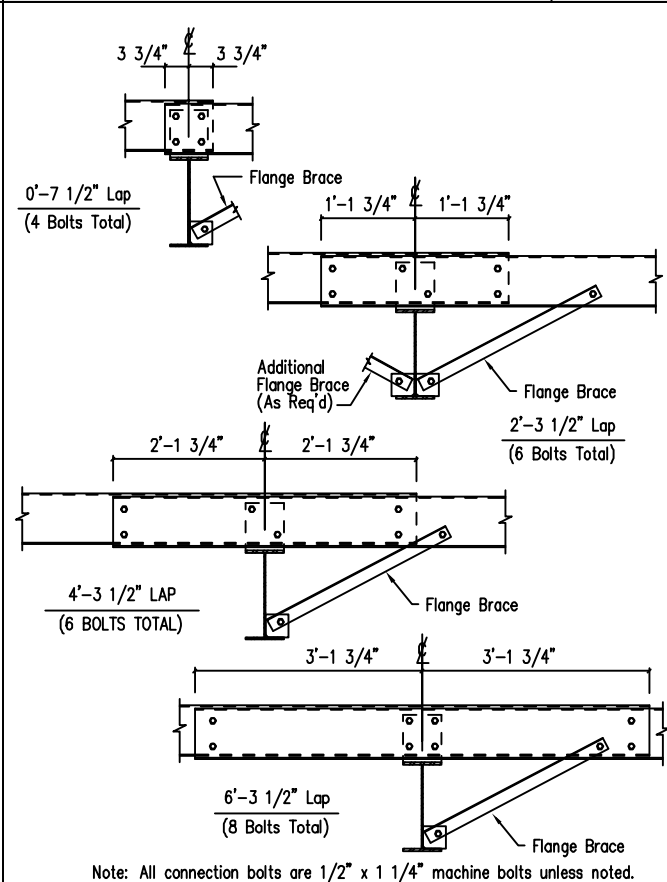
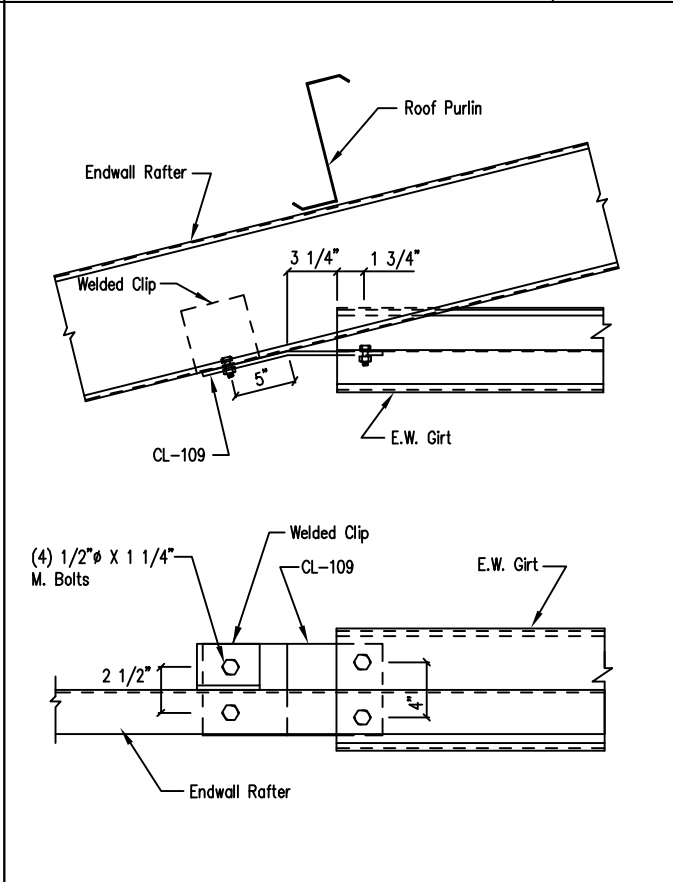
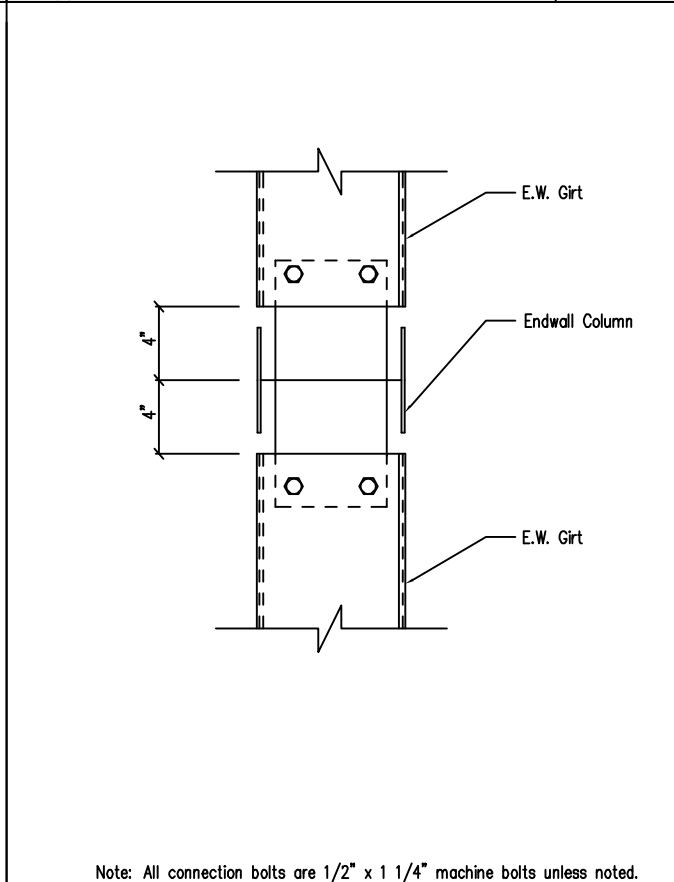
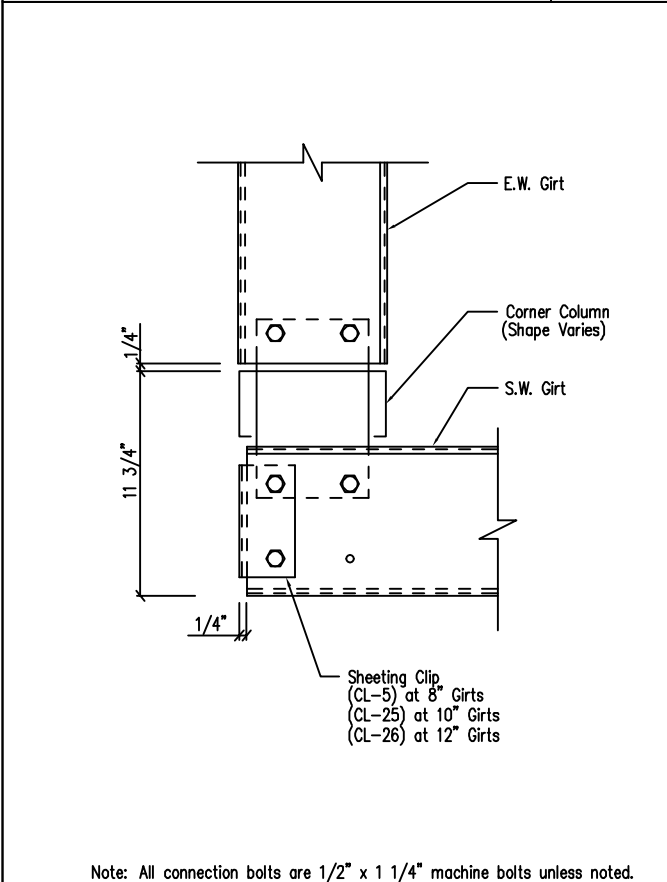


Section Thru Rake at Cold-Form Rafter
DRAWING NO. SD1

Cold Form Column to Cold Form Rafter
DRAWING NO. SD4

Hot Rolled Column to Cold Form Rafter
DRAWING NO. SD7

Eave Strut to Cold Form Rafter Connection
DRAWING NO. SD15



Section at "C" Corner Column
Flush Endwall
DRAWING NO. SD21

Girt to Hot Rolled Endwall Column Connection
DRAWING NO. SD44

Endwall Girt to Cold Form Rafter
DRAWING NO. SD48

Interior Bay Purlin Framing
DRAWING NO. SD50

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	16/11/21	MEZ	MEZ	RTS
PERMIT	10/27/21	AA	CAF	RTS
ERECTION	17/11/21	JMM	JMM	RTS

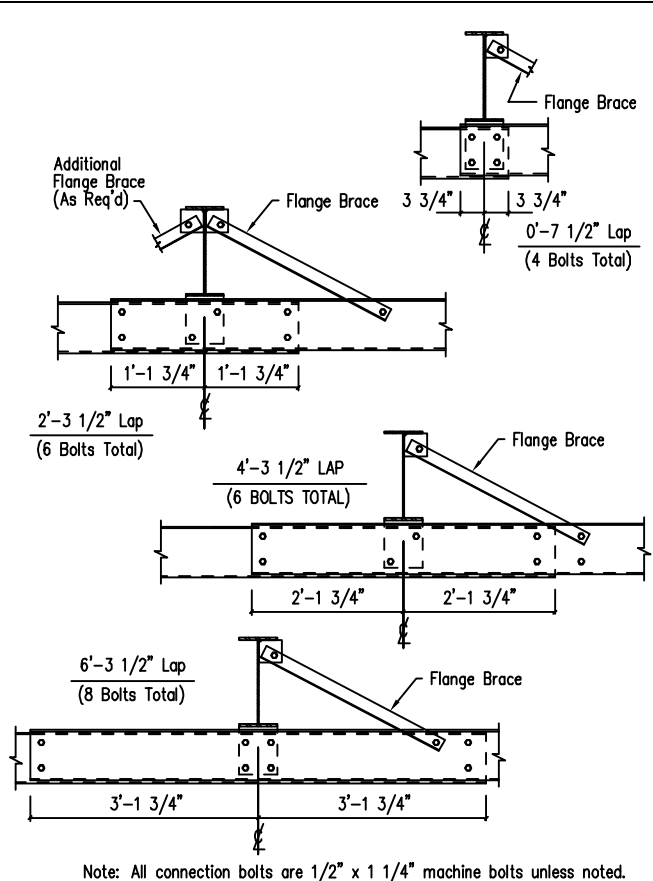


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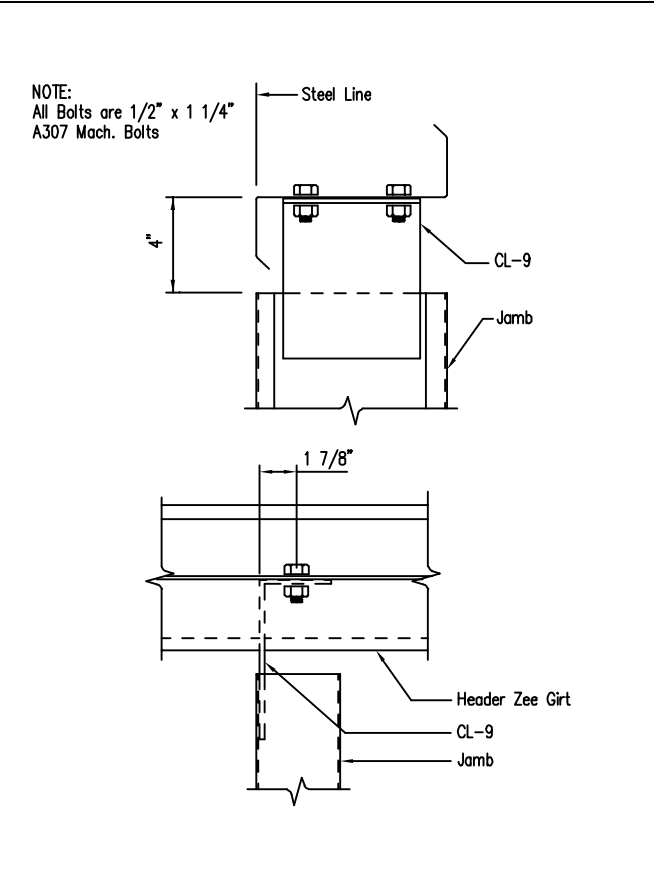
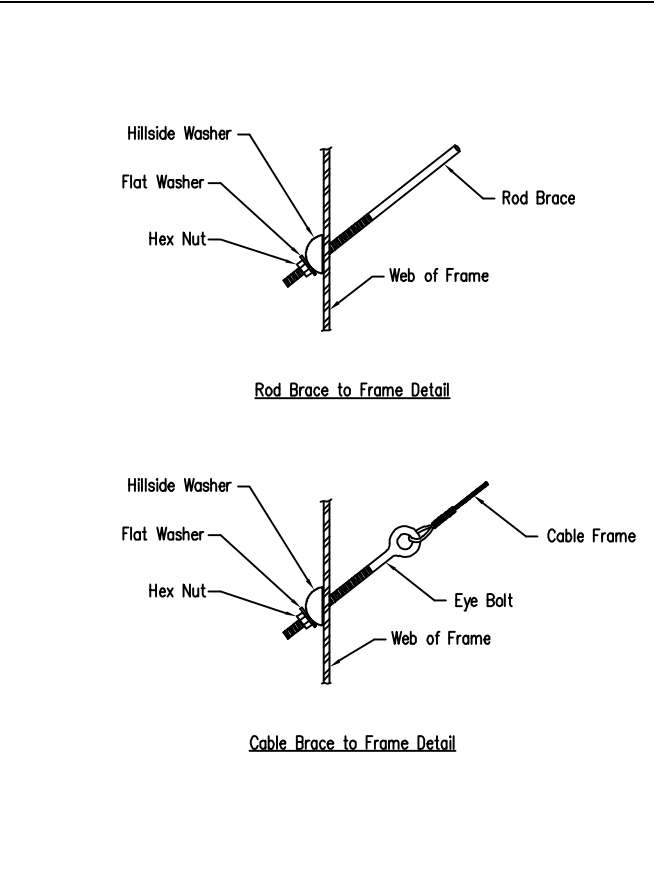
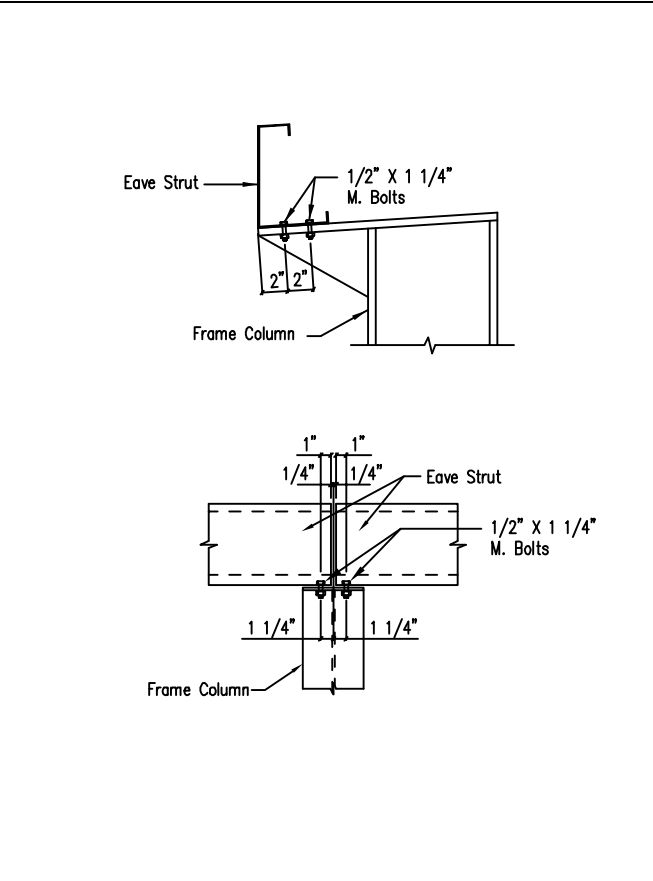
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PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	12 OF 18
JOB NUMBER:	93606
SHEET TITLE:	DETAIL DRAWINGS

Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.

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Note: All connection bolts are 1/2" x 1 1/4" machine bolts unless noted.



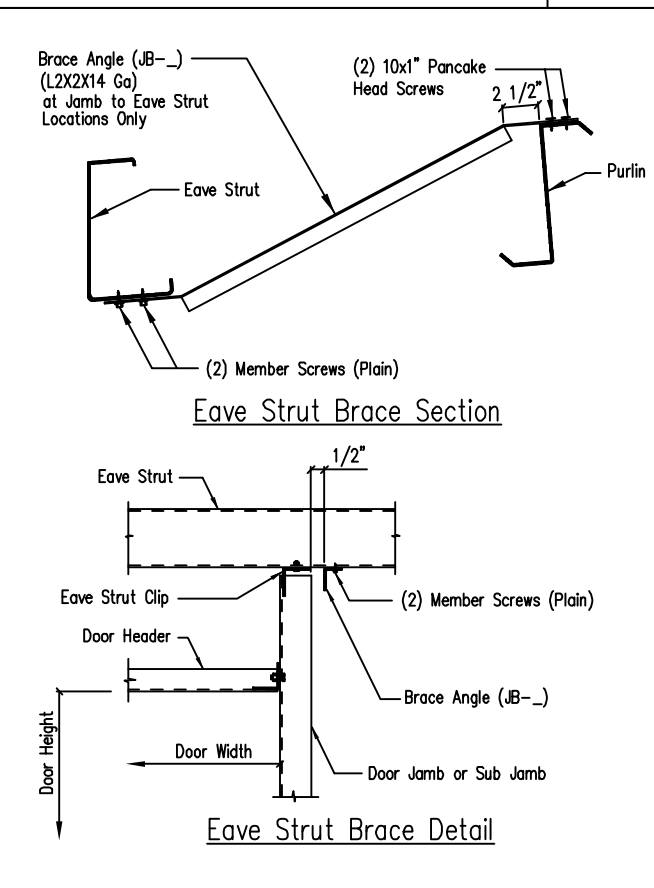
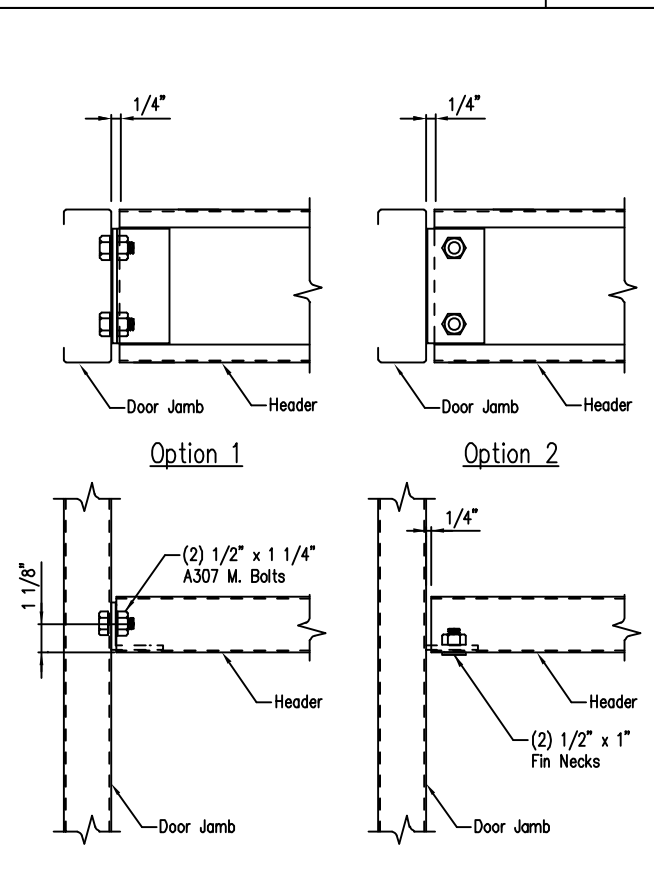
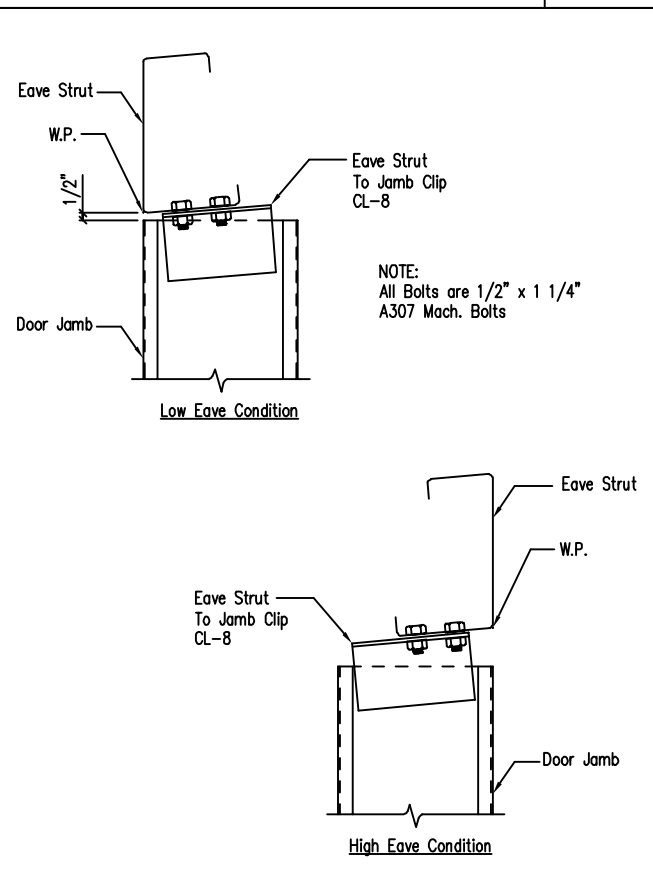
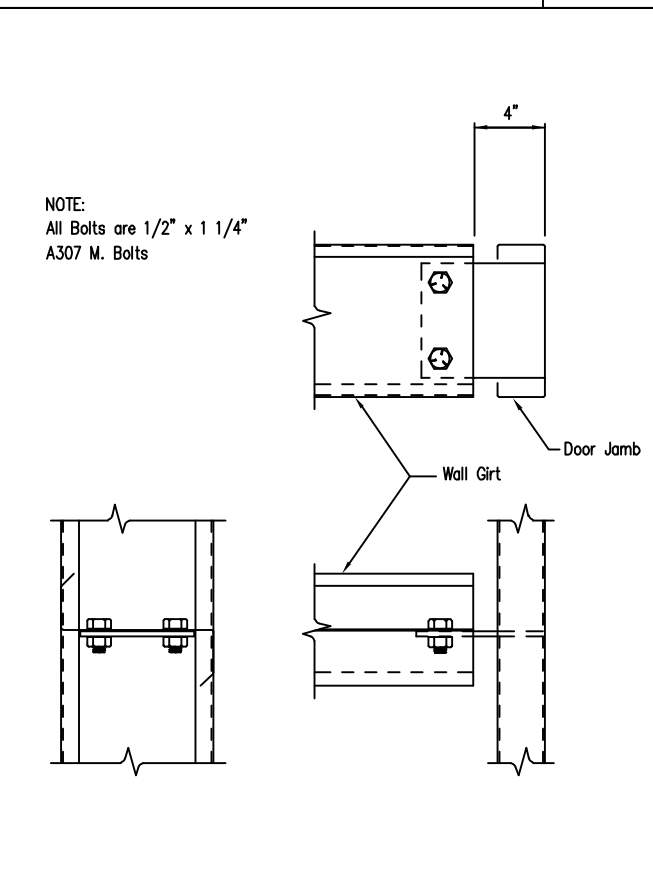
NOTE:
All Bolts are 1/2" x 1 1/4"
A307 Mach. Bolts

Interior Bay Girt Framing
DRAWING NO. SD51

Eave Strut at Interior Column
By-Pass Sidewall
DRAWING NO. SD59

Cable or Rod Brace to Frame Connection
DRAWING NO. SD66

Jamb to Header Girt
DRAWING NO. SD94



Girt to Jamb
DRAWING NO. SD96

Jamb To Eave Strut
2:12 Roof Pitch and Higher
DRAWING NO. SD97

Header/Sill to Jamb
DRAWING NO. SD98

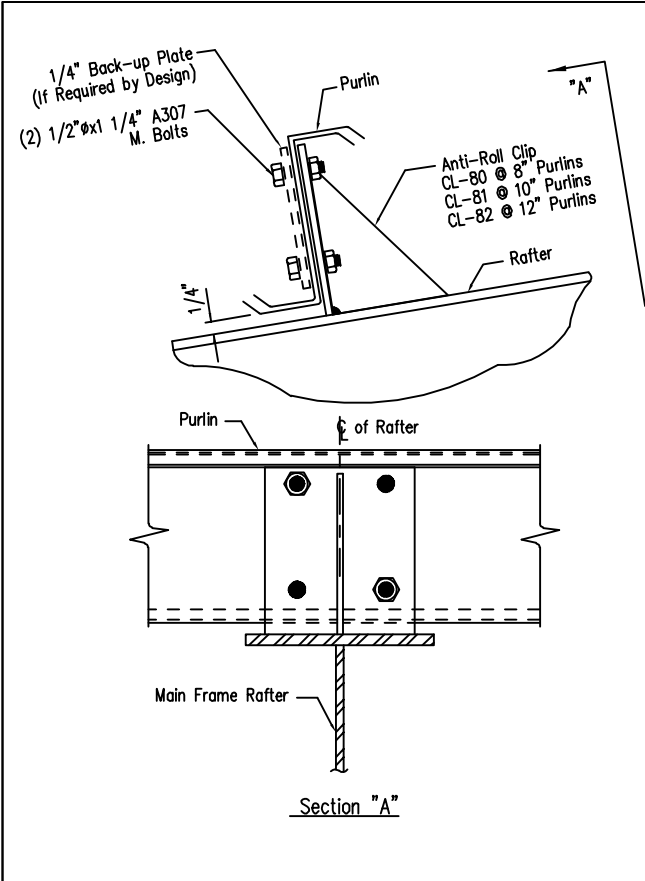
Framed Opening Jamb Brace Angle Detail
DRAWING NO. SD99

DATE	DWN.	CHK.	ENG.
16/11/21	MEZ	MEZ	RTS
10/27/21	AA	CAF	RTS
17/11/21	JMM	JMM	RTS

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CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SHEET NUMBER:	13 OF 18
JOB NUMBER:	93606
SHEET TITLE:	DETAIL DRAWINGS

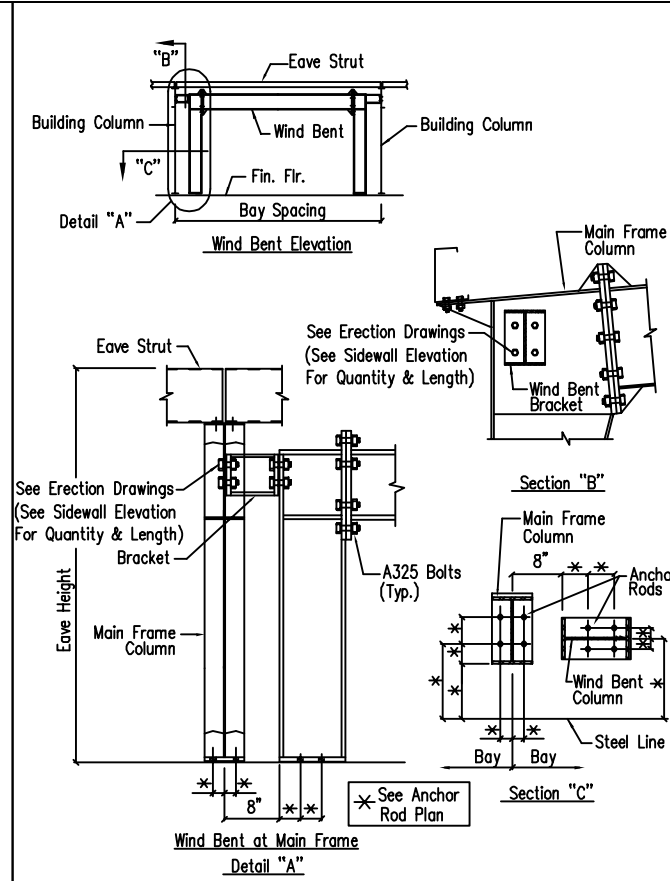
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Purlin to Anti-Roll Clip Connection

Created On: 3/28/11

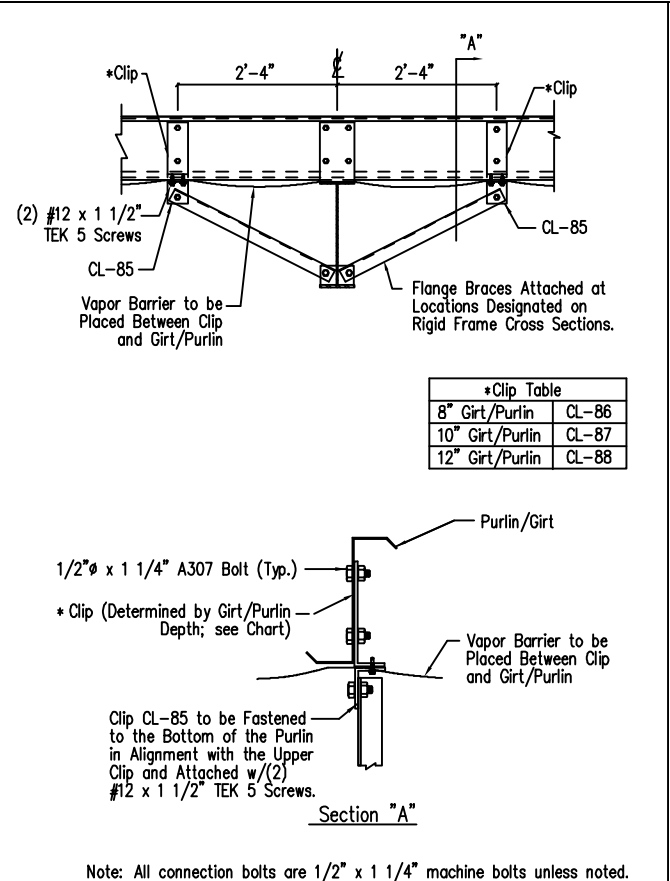
DRAWING NO.
SD115



Flush Wind Bent

Created On: 5/25/12
Revised On: 7/27/14

DRAWING NO.
SD115



Interior Girt/Purlin Flange Brace Attachment for Insulation

Created On: 8/04/10
Created On: 8/26/11

DRAWING NO.
SD151

DRAWING NO.
SD161

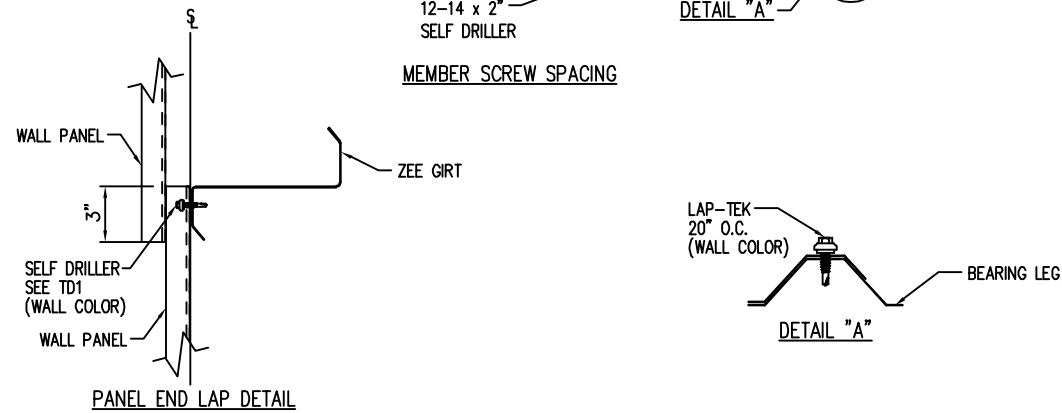
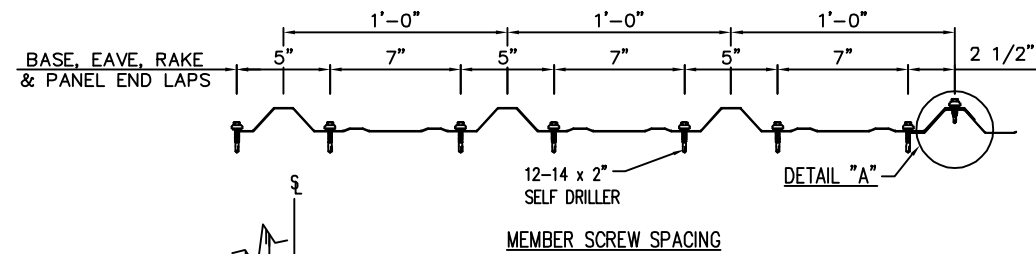
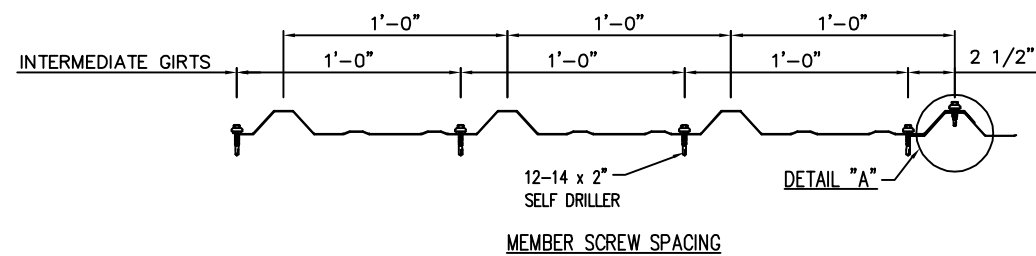
ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	16/11/11	MEZ	MEZ	RTS
PERMIT	10/27/11	AA	CAF	RTS
ERECTION	12/13/11	JMM	JMM	RTS



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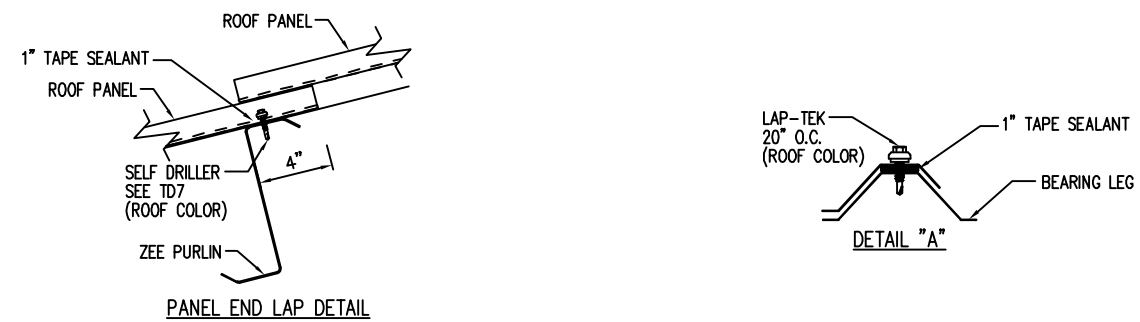
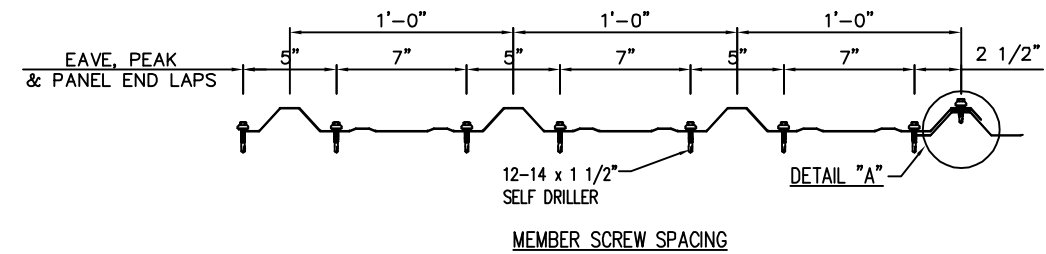
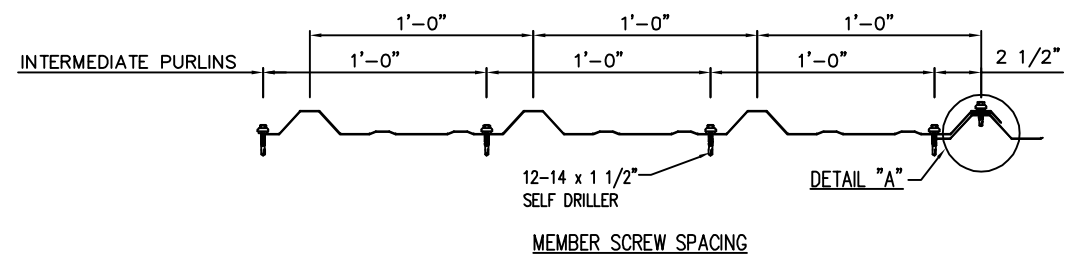
CUSTOMER NAME:	N.T.S.
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	14 OF 18
JOB NUMBER:	93606
SHEET TITLE:	DETAIL DRAWINGS

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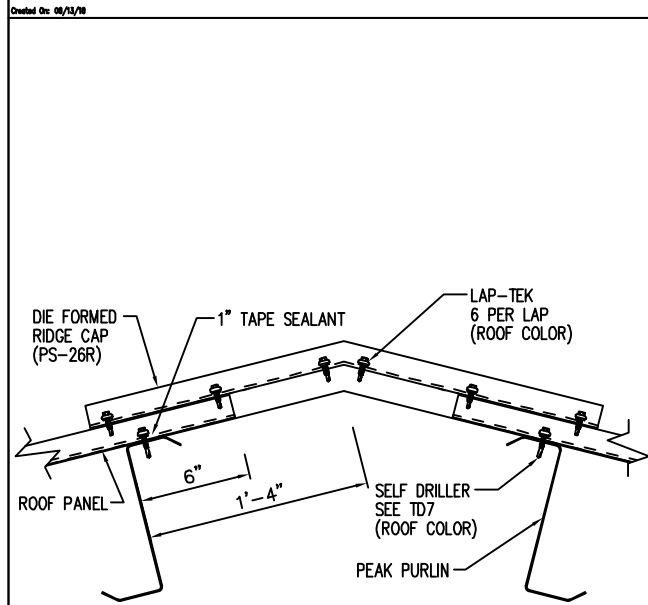
Fastener Location at Wall - PBR

DRAWING NO. TD1



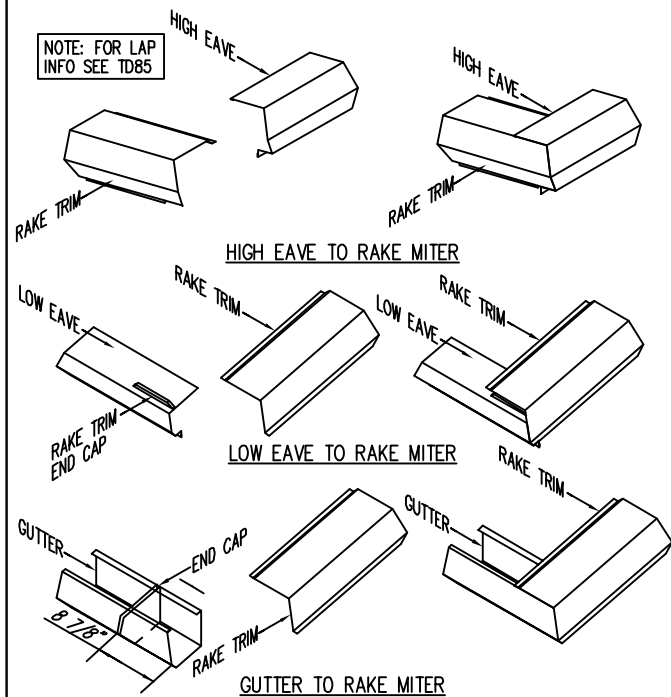
Fastener Location at Roof - PBR

DRAWING NO. TD7



Die Formed Ridge Detail - PBR
Up to a 4:12 Roof Slope

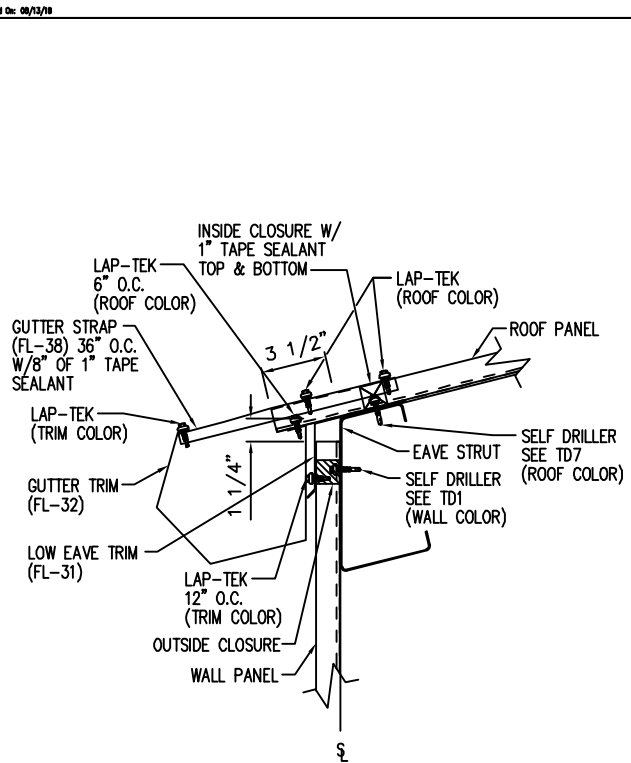
DRAWING NO. TD8



LOCATE THE GUTTER END CAP 8 7/8" AWAY FROM THE FRONT MITER OF THE GUTTER. IF DONE PROPERLY THE END CAP SHOULD LINE UP WITH THE LOW LEG OF THE RAKE TRIM THAT SITS ON TOP OF THE ROOF PANEL. APPLY ONE BEAD OF TUBE SEALANT (NOT BY G.W.B.) BETWEEN THE END CAP SURFACE AND THE GUTTER. ATTACH THE END CAP TO THE GUTTER USING (12) POP RIVETS. CHECK TO MAKE SURE ALL EDGES ARE SEALED WITH TUBE SEALANT (NOT BY G.W.B.). INSERT THE GUTTER INTO THE RAKE TRIM. ALIGN THE MITERED EDGES AND ATTACH TO THE RAKE TRIM WITH (12) POP RIVETS.

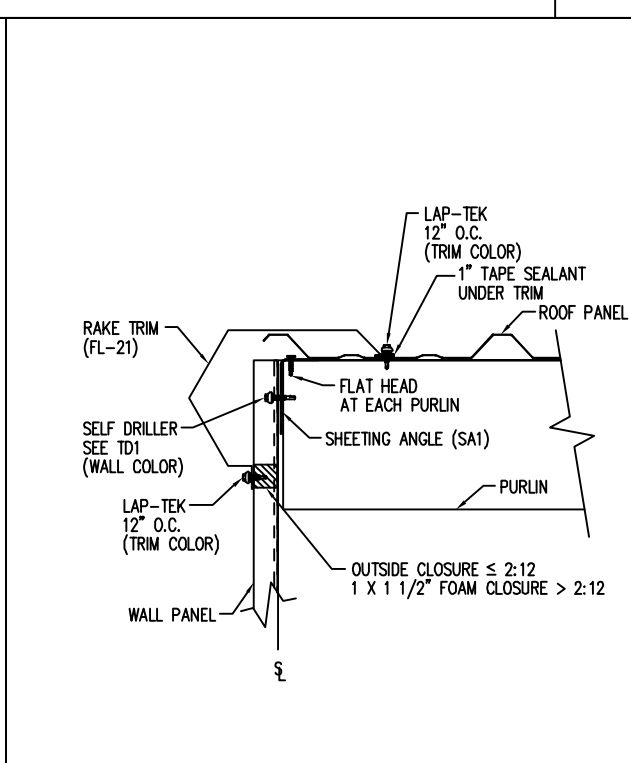
Sculptured Trim Detail - PBR

DRAWING NO. TD13



Low Eave Gutter Detail - PBR
Sculptured Gutter - Sheeted Wall

DRAWING NO. TD15



NOTE: FIELD SLOPE CUT WALL PANELS AS REQUIRED FOR ROOF SLOPE

Rake Detail - PBR
Sculptured Rake - Sheeted Wall

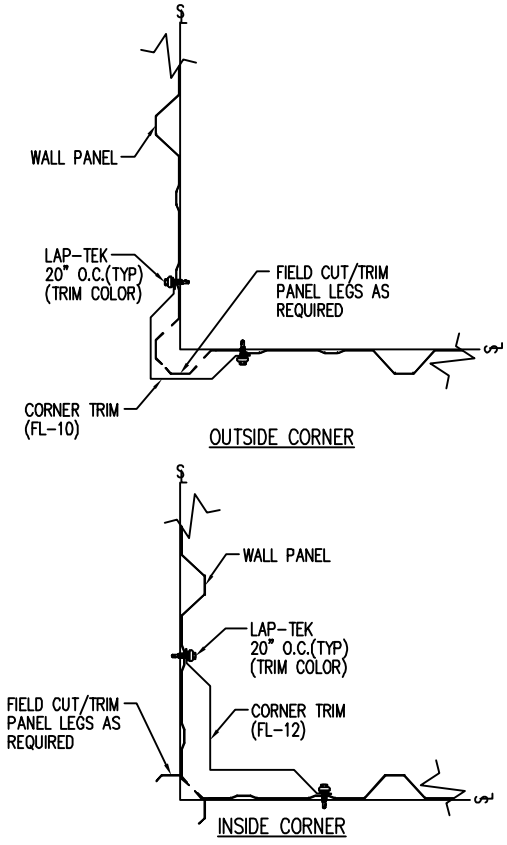
DRAWING NO. TD35

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	16/11/18	MEZ	MEZ	RTS
PERMIT	10/27/18	AA	CAF	RTS
ERECTION	12/13/18	JMM	JMM	RTS

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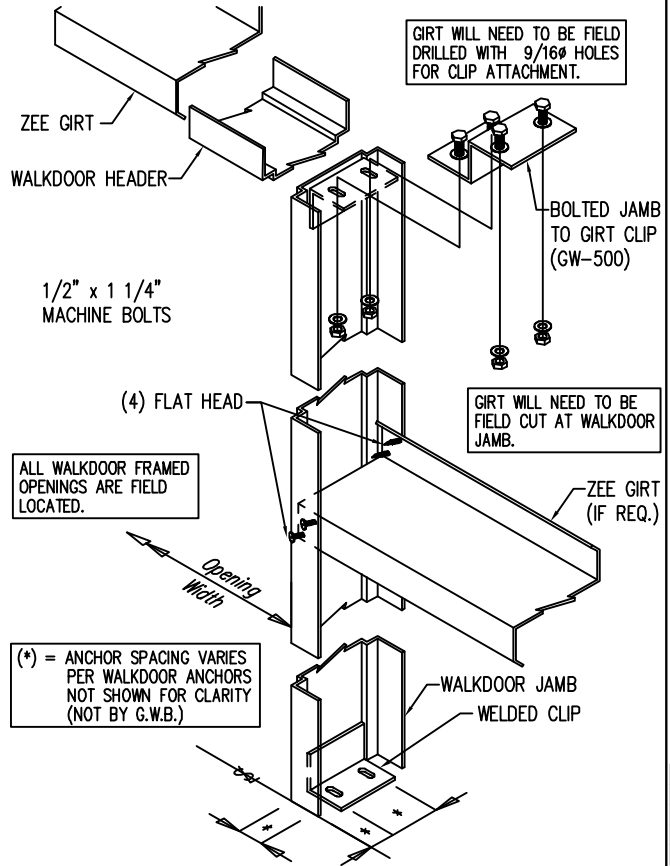
CUSTOMER NAME:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
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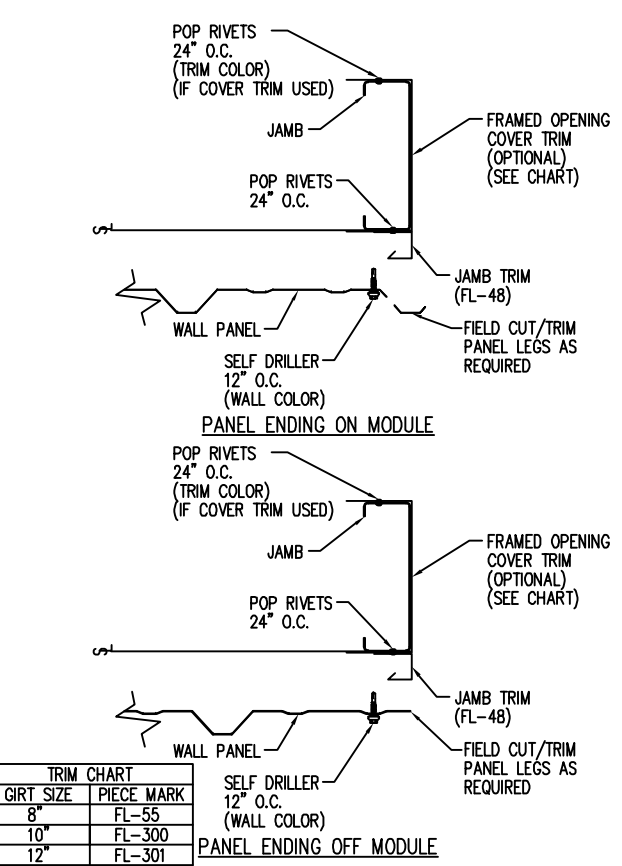
Section at Corner Detail - PBR

DRAWING NO. TD40



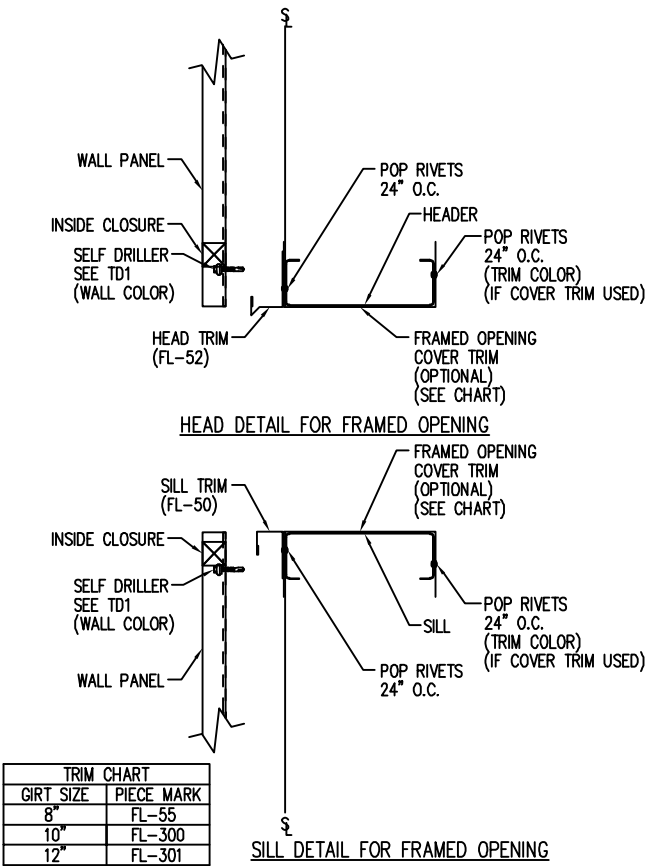
Personnel Doors

DRAWING NO. TD50



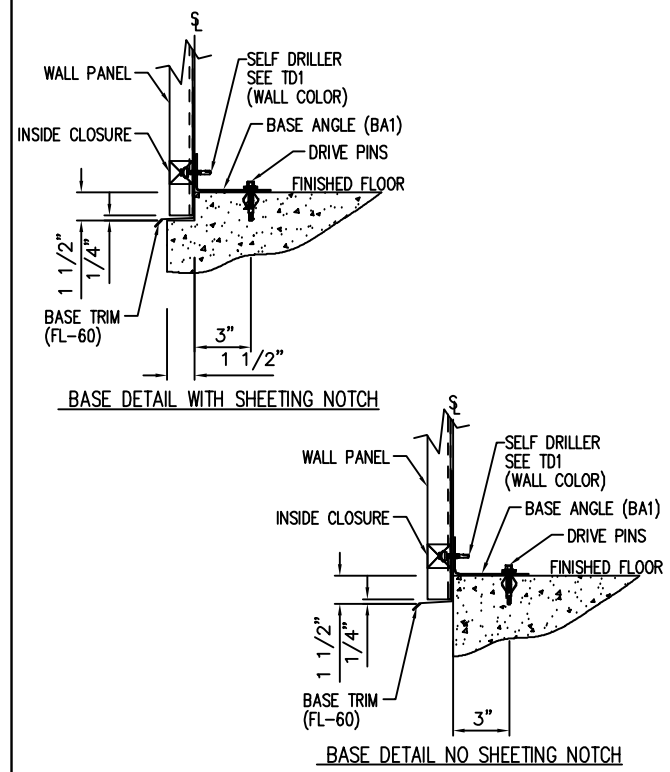
Framed Opening Jamb Detail - PBR

DRAWING NO. TD51



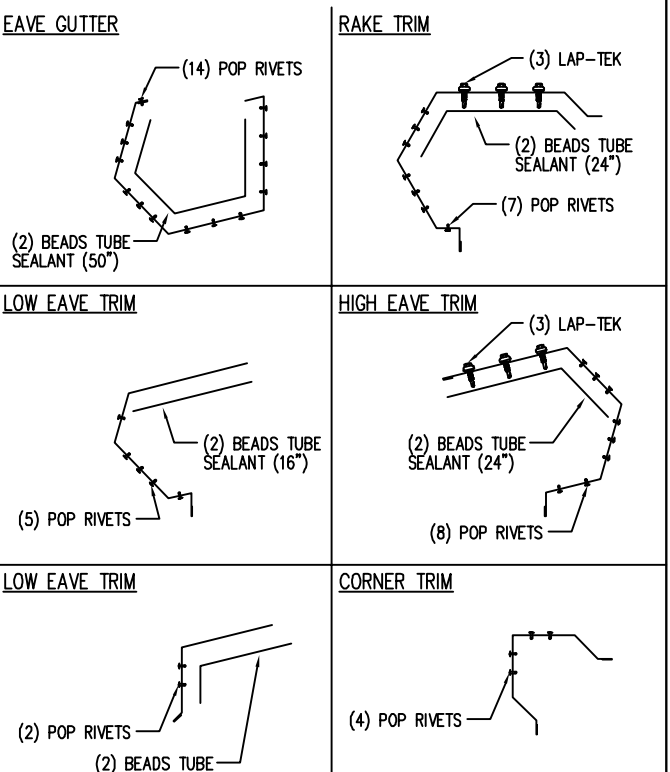
Framed Opening Head and Sill Details - PBR

DRAWING NO. TD52



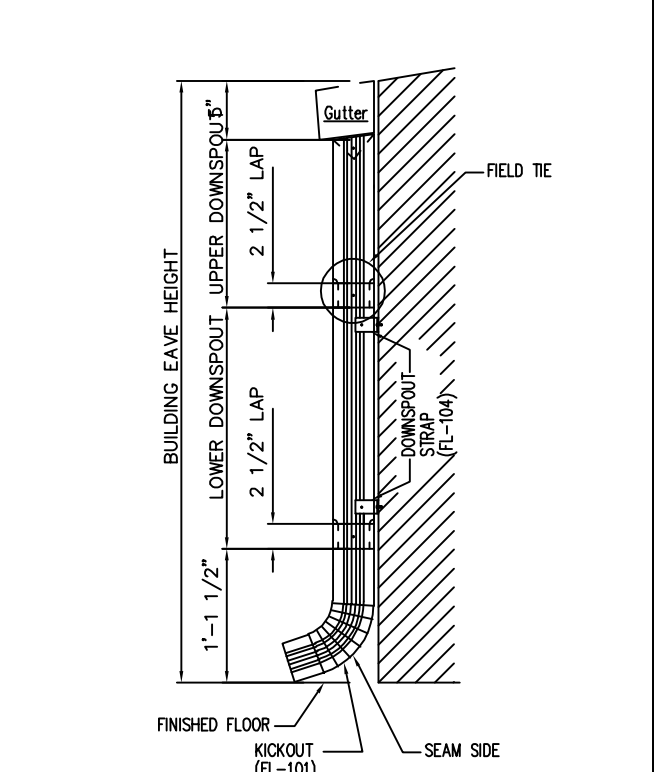
Base Angle w/Trim Details

DRAWING NO. TD74



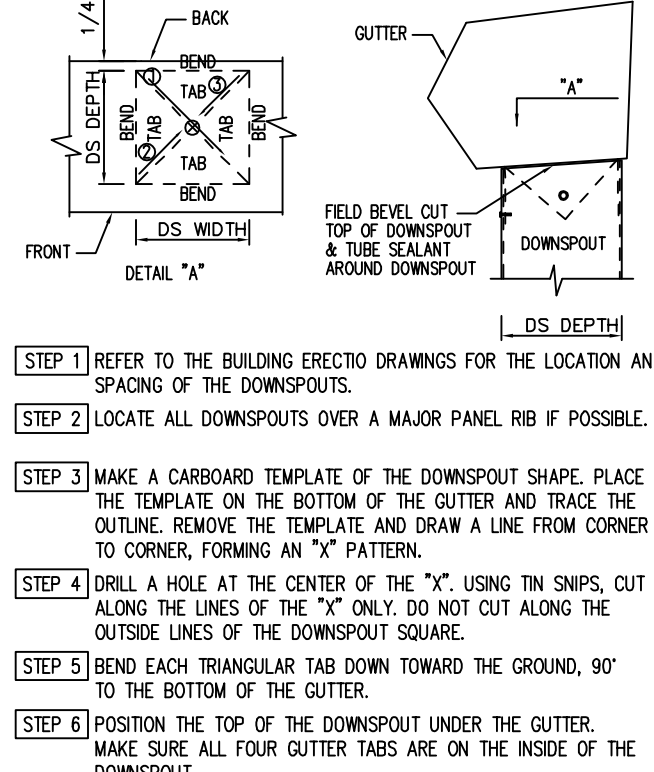
Trim Laps - PBR Sculptured

DRAWING NO. TD85



Downspout Elevation

DRAWING NO. TD90



Downspout to Gutter Attachment Detail

DRAWING NO. TD95

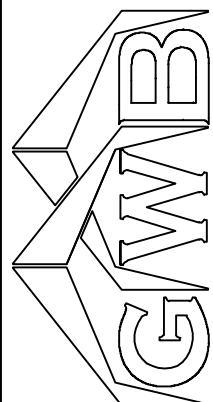
NOTE: IF INSULATION IS REQUIRED INSTALL TRIM FIRST.
NOTE: A MINIMUM OF 1/4" SPACE SHOULD BE ALLOWED FROM THE SHEET END TO ANY SURFACE
NOTE: USE POWER DRIVEN FASTENERS SUCH AS RAMSET (OR EQUAL), 0.1400" STRAIGHT SHANK W 1 1/4" PENETRATION AND MIN. ALLOWABLE SHEAR OF 220# (2'-0" O.C.) (NOT BY G.W.B.)

NOTE: TRIM PROFILES MAY VARY; 2" MIN. LAP UNLESS NOTED
NOTE: TUBE SEALANT (NOT BY G.W.B.)

NOTE: REFERENCE DETAIL TD96 FOR SPLICE DETAIL

STEP 1 REFER TO THE BUILDING ERECTIO DRAWINGS FOR THE LOCATION AND SPACING OF THE DOWNSPOUTS.
STEP 2 LOCATE ALL DOWNSPOUTS OVER A MAJOR PANEL RIB IF POSSIBLE.
STEP 3 MAKE A CARBOARD TEMPLATE OF THE DOWNSPOUT SHAPE. PLACE THE TEMPLATE ON THE BOTTOM OF THE GUTTER AND TRACE THE OUTLINE. REMOVE THE TEMPLATE AND DRAW A LINE FROM CORNER TO CORNER, FORMING AN "X" PATTERN.
STEP 4 DRILL A HOLE AT THE CENTER OF THE "X". USING TIN SNIPS, CUT ALONG THE LINES OF THE "X" ONLY. DO NOT CUT ALONG THE OUTSIDE LINES OF THE DOWNSPOUT SQUARE.
STEP 5 BEND EACH TRIANGULAR TAB DOWN TOWARD THE GROUND, 90° TO THE BOTTOM OF THE GUTTER.
STEP 6 POSITION THE TOP OF THE DOWNSPOUT UNDER THE GUTTER. MAKE SURE ALL FOUR GUTTER TABS ARE ON THE INSIDE OF THE DOWNSPOUT.
STEP 7 INSTALL POP RIVETS THROUGH THE DOWNSPOUT INTO THE GUTTER TAB. ONLY THE TWO SIDES AND THE FRONT OF THE DOWNSPOUT WILL RECEIVE POP RIVETS.

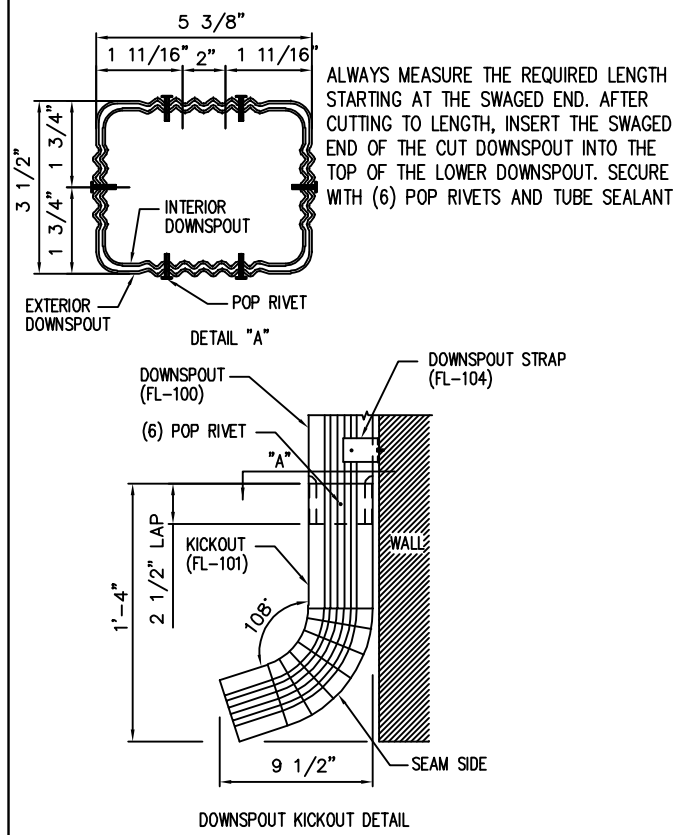
DATE	DWN.	CHK.	ENG.
16/7/21	MEZ	MEZ	RTS
10/27/21	AA	CAF	RTS
17/1/21	JMM	JMM	RTS



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SCALE:	N.T.S.
SHEET NUMBER:	16 OF 18
JOB NUMBER:	93606
SHEET TITLE:	DETAIL DRAWINGS

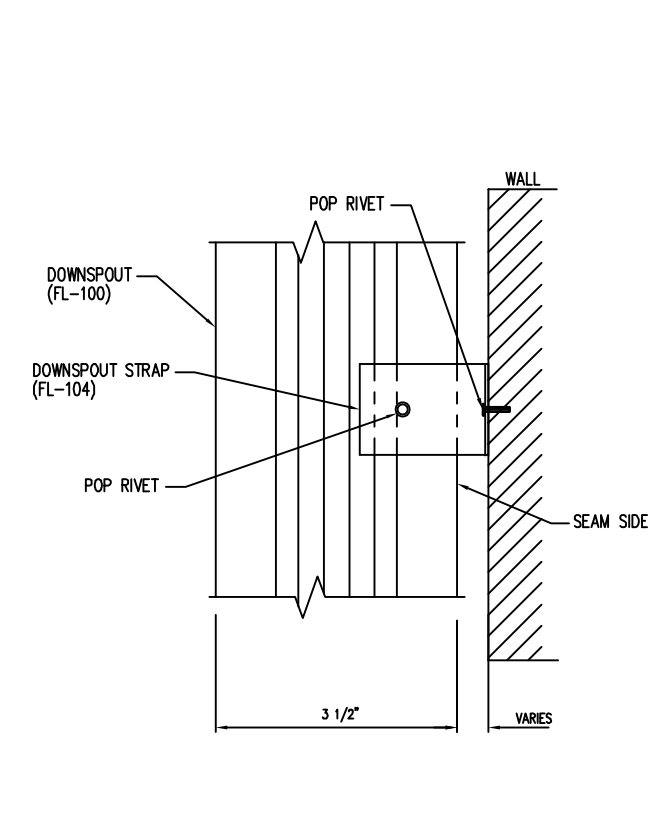
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NOTE: TUBE SEALANT (NOT BY G.A.B.)

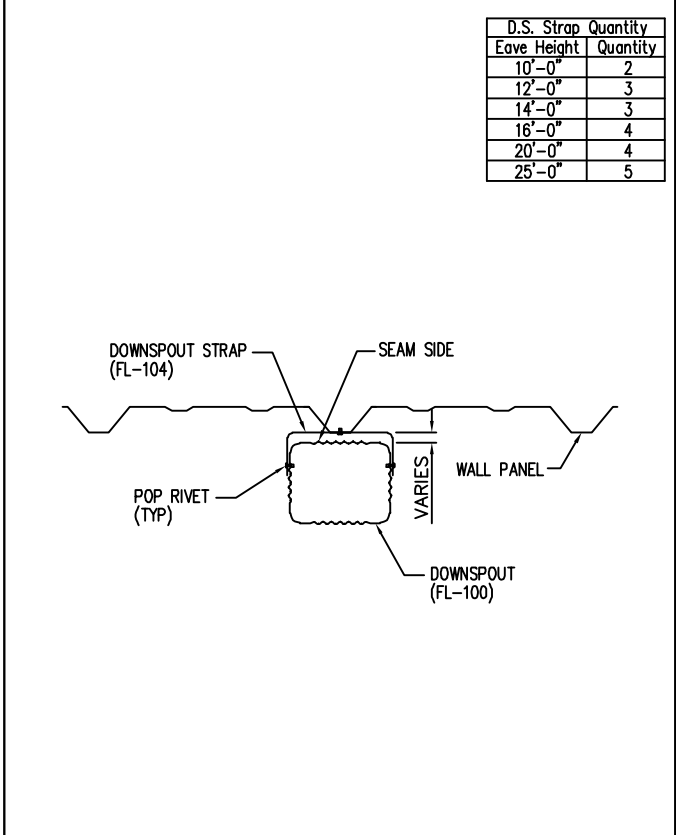
Downspout Kickout and Splice Detail
 3 1/2" x 5 3/8" Roll-Form

DRAWING NO.
TD96



Downspout Strap Attachment Detail
 3 1/2" x 5 3/8" Roll-Form

DRAWING NO.
TD97



Downspout Strap Attachment Detail - PBR
 3 1/2" x 5 3/8" Roll-Form

DRAWING NO.
TD98

D.S. Strap Eave Height	Quantity
10'-0"	2
12'-0"	3
14'-0"	3
16'-0"	4
20'-0"	4
25'-0"	5

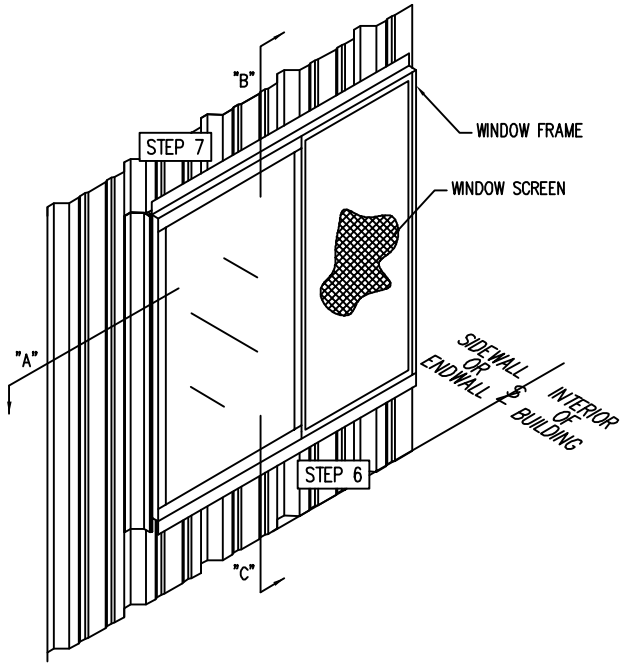
ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	16/7/21	MEZ	MEZ	RTS
PERMIT	10/27/21	AA	CAF	RTS
ERECTION	12/13/21	JMM	JMM	RTS

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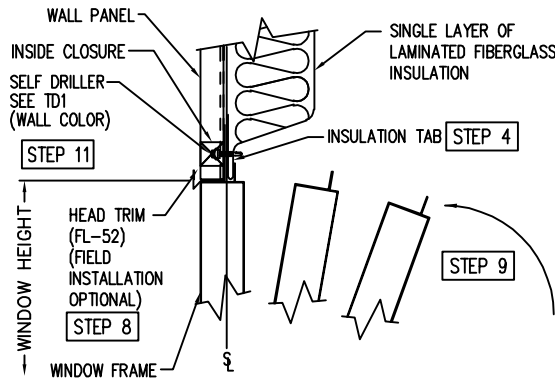
CUSTOMER NAME:	N.T.S.
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PROJECT END USE:	
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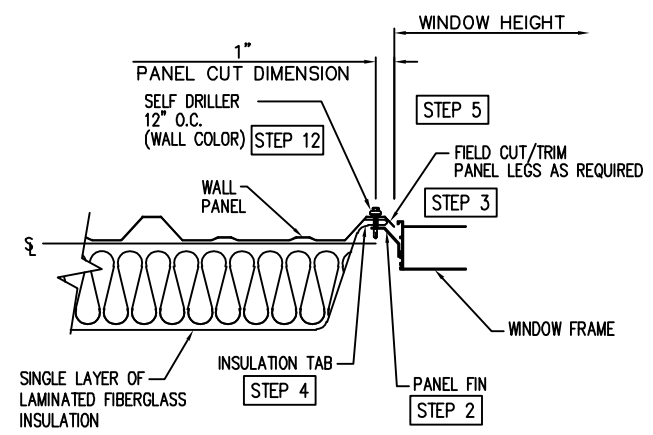
- STEP 1 INSTALL INSULATION (IF REQUIRED) AND WALL SHEETING ALONG ENTIRE WALL.
- STEP 2 SLIDE PANEL FIN, THAT ARE PACKAGED WITH THE WINDOW, DOWN ALONG THE GROOVE JOINTS ON EACH SIDE OF THE WINDOW. BE SURE THAT THE BOTTOM OF EACH FIN IS FLUSH WITH THE BOTTOM OF THE WINDOW FRAME.
- STEP 3 DETERMINE WINDOW LOCATION AND MARK AREA TO BE CUT. NOTE: WINDOW WIDTH MUST FALL ON THE HIGH RIBS OF THE WALL PANEL(S).
- STEP 4 IF INSULATION IS REQUIRED, CUT AND REMOVE THE FIBERGLASS INSULATION FROM THE LAMINATED FACING, APPROXIMATELY 4" FROM INSIDE OF THE WINDOW OPENING. THEN FOLD THE LAMINATED FACING BACK OVER THE TOP OF THE INSULATION. CREATING A TAB. REPEAT FOR EACH SIDE OF THE WINDOW.
- STEP 5 STARTING AT THE TOP AND WORKING DOWN TOWARDS THE WINDOW HEIGHT DIMENSION PLUS AN ADDITIONAL 1/8". FIELD CUT THE WALL PANEL 1" FROM CENTER OF THE HIGH RIB, TOWARDS THE WINDOW FRAME, DOWN EACH SIDE OF THE WINDOW.
- STEP 6 FIELD CUT THE WALL PANEL ALONG THE BOTTOM OF THE WINDOW CONNECTING THE TWO PREVIOUS LINES.
- STEP 7 FIELD CUT THE WALL PANEL ALONG THE TOP OF THE WINDOW.
- STEP 8 WITH THE WALL PANEL NOW REMOVED, INSTALL THE HEAD TRIM AND INSIDE CLOSURE ON THE BOTTOM OF THE WALL PANEL ALONG THE TOP OF THE WINDOW OPENING BY USING SOME MEANS OF TEMPORARY SUPPORT.
- STEP 9 INSTALL THE INSIDE CLOSURE ON THE WALL PANEL BELOW THE WINDOW. PLACE THE BOTTOM OF THE WINDOW FRAME ON TOP OF THE WALL PANEL. SANDWICH THE LAMINATED FACING TABS BETWEEN THE BOTTOM OF THE WINDOW FRAME AND WALL PANEL, WORKING YOUR WAY UP EACH SIDE WITH THE INSULATION TABS TOWARDS THE TOP OF THE WINDOW. WHILE ROTATING THE TOP OF WINDOW FRAME INTO PLACE.
- STEP 10 FASTEN THE BOTTOM OF THE WINDOW FRAME TO THE WALL PANEL FROM THE INTERIOR OF THE BUILDING.
- STEP 11 FASTEN THE TOP OF THE WINDOW FRAME TO THE WALL PANEL FROM THE EXTERIOR OF THE BUILDING. THEN REMOVE TEMPORARY SUPPORT.
- STEP 12 FASTEN THE SIDES OF THE WINDOW FRAME TO THE WALL PANEL FROM THE EXTERIOR OF THE BUILDING.
- STEP 13 CAULK ALL SIDES OF WINDOW FRAMING AGAINST PANEL FOR WEATHER TIGHTNESS (NOT BY G.A.B.).



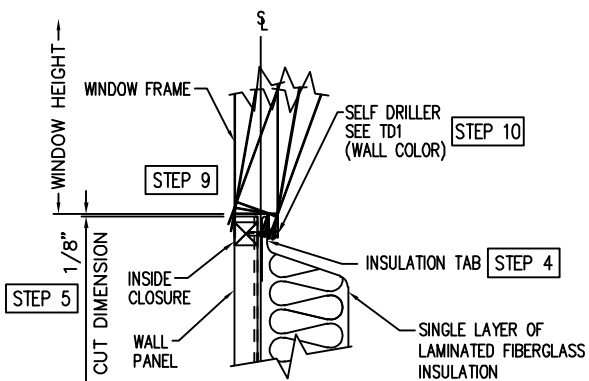
NOTE: WINDOW IS INSTALLED FROM INTERIOR OF THE BUILDING.
 NOTE: IF FRAMED OPENINGS ARE REQUIRED INSTALL AFTER WINDOW IS INSTALLED.
 NOTE: INSULATION NOT SHOWN FOR CLARITY.



DETAIL "B"



DETAIL "A"



DETAIL "C"

Aluminum Insulated Horizontal Slide Window - PBR

DRAWING NO.
TD354

ISSUE	DATE	DWN.	CHK.	ENG.
APPROVAL	16/11/21	MEZ	MEZ	RTS
PERMIT	10/27/21	AA	CAF	RTS
ERECTION	17/11/21	JMM	JMM	RTS



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Revised On: 05/18/19