

SOLID STEEL BUILDINGS, INC

7620 MEADOW RUN LANE

OWINGS MD 20736

FO# 27080

Building 1 of 1



Professional Certification; I hereby certify that these documents were prepared or approved by me, and that I am duly licensed professional engineer under the laws of the State of Maryland, License No. 30830 Expiration Date: 07/08/24

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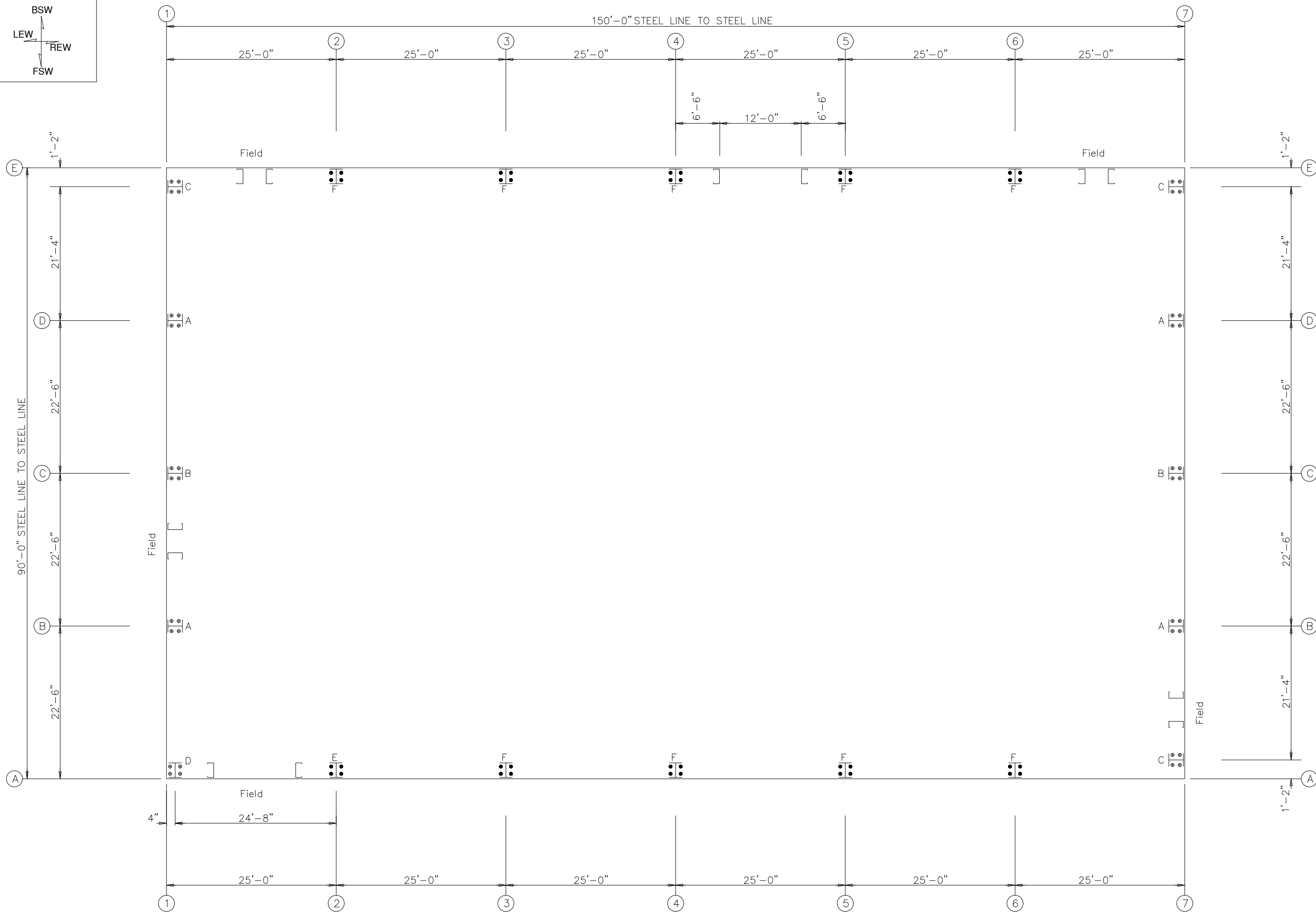
LEGEND

BSW

LEW

REW

FSW



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

DRAWING IS NOT TO SCALE



7620 MEADOW RUN LANE
90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23 REVISION: 0
ENG: IRM DWN: BJC APPD: IRM

F.O. 27080

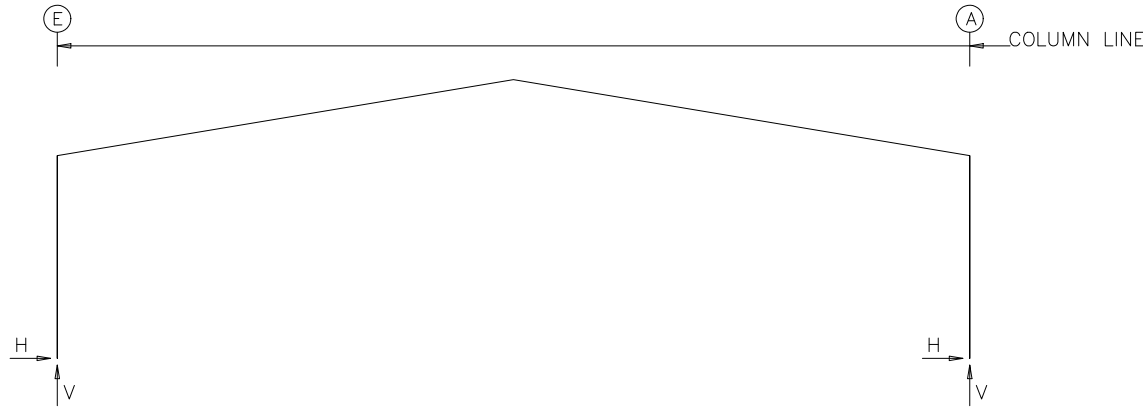
7620 MEADOW RUN LANE

CITY: OWINGS		ST / PV: MD
REVISION HISTORY		
REV.	DESCRIPTION	DATE
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4/28/23

FRAME LINES: 2 3 4 5 6



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc._Bolt Qty	Bolt Dia	Base_Plate (in) Width	Base_Plate (in) Length	Thick	AFF/BFF (in)
2	E	4	1.000	8.000	12.75	0.500	0.0
2	A	4	1.000	8.000	12.88	0.500	0.0

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc._Bolt Qty	Bolt Dia	Base_Plate (in) Width	Base_Plate (in) Length	Thick	AFF/BFF (in)
3*	E	4	1.000	8.000	12.75	0.500	0.0
3*	A	4	1.000	8.000	12.75	0.500	0.0

3* Frame lines: 3 4 5 6

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	-----Dead-----	-----Collateral-----	-----Live-----	-----Snow-----	-----Snow_Drift-----	-----Wind_Left1-----
2	E	Horiz 2.9	Vert 4.6	Horiz 4.3	Vert 5.7	Horiz 16.8	Vert 22.4
2	A	Horiz -2.9	Vert 5.0	Horiz -4.3	Vert 5.7	Horiz -16.8	Vert 24.1
2	E	-----Wind_Right1-----	-----Wind_Left2-----	-----Wind_Right2-----	-----Wind_Long1-----	-----Wind_Long2-----	-----Seismic_Left-----
2	A	Horiz -11.2	Vert -19.5	Horiz -15.6	Vert -15.7	Horiz -6.1	Vert -9.0
2	A	Horiz 20.2	Vert -29.1	Horiz 6.0	Vert -10.0	Horiz 15.0	Vert -18.6
2	E	Seismic_Right	Seismic_Long	MIN_SNOW	F1UNB_SL_L	F1UNB_SL_R	Seismic_Left
2	A	Horiz 0.6	Vert 0.2	Horiz 0.0	Vert -1.2	Horiz 14.1	Vert 21.8
2	A	Horiz 0.6	Vert -0.2	Horiz 0.0	Vert -1.4	Horiz -14.1	Vert 13.0
3*	E	-----Dead-----	-----Collateral-----	-----Live-----	-----Snow-----	-----Wind_Left1-----	-----Wind_Right1-----
3*	A	Horiz 3.0	Vert 4.6	Horiz 4.3	Vert 5.7	Horiz 16.9	Vert 22.5
3*	A	Horiz -3.0	Vert 4.6	Horiz -4.3	Vert 5.7	Horiz -16.9	Vert 22.5
3*	E	-----Wind_Left2-----	-----Wind_Right2-----	-----Wind_Long1-----	-----Wind_Long2-----	-----Seismic_Left-----	Seismic_Right
3*	A	Horiz -14.4	Vert -13.5	Horiz -4.8	Vert -7.5	Horiz -9.9	Vert -26.2
3*	A	Horiz 4.8	Vert -7.5	Horiz 14.4	Vert -13.5	Horiz 11.5	Vert -23.0
3*	E	Seismic_Long	MIN_SNOW	F2UNB_SL_L	F2UNB_SL_R	Seismic_Left	Seismic_Right
3*	A	Horiz 0.0	Vert -1.2	Horiz 16.9	Vert 22.5	Horiz 14.1	Vert 21.8
3*	A	Horiz 0.0	Vert -1.4	Horiz -16.9	Vert 22.5	Horiz -14.1	Vert 13.0
3*	Frame lines:		3	4	5	6	



7620 MEADOW RUN LANE

90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23

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F.O. 27080

7620 MEADOW RUN LANE

CITY: OWINGS

ST / PV: MD

REVISION HISTORY

DESCRIPTION

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REV.

DRAWING STATUS

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ENDWALL COLUMN:

BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	---Dead---		Collat	---Live---		---Snow---		Snow_Drift		Wind_Left1		Wind_Right1	
		Horz	Vert	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	E	0.0	0.6	0.6	0.0	2.3	0.0	2.3	0.0	0.0	-2.8	-6.2	0.0	0.7
1	D	0.0	1.4	1.6	0.0	6.4	0.0	6.4	0.0	0.0	0.0	-7.9	2.8	-8.8
1	C	0.0	1.5	1.4	0.0	5.4	0.0	5.4	0.0	0.0	0.0	-5.5	0.0	-6.4
1	B	0.0	1.4	1.6	0.0	6.4	0.0	6.4	0.0	0.0	0.0	-6.0	0.0	-10.3
1	A	-0.1	1.0	0.6	-0.2	3.8	-0.3	3.9	-0.2	1.9	0.0	-2.6	0.0	-3.4

Frm Line	Col Line	Wind_Left2		Wind_Right2		Wind_Press		Wind_Suct		Wind_Long1		Wind_Long2		Seis_Left	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	E	-2.8	-4.9	0.0	2.0	-2.4	0.0	2.8	0.0	0.0	-2.5	-1.2	-3.8	-0.7	-0.7
1	D	0.0	-4.9	2.8	-5.8	-5.5	0.0	6.1	0.0	1.2	-11.6	0.0	-4.6	0.0	0.6
1	C	0.0	-3.6	0.0	-4.5	-6.6	0.0	7.3	0.0	0.0	-5.5	0.0	-5.1	0.0	0.1
1	B	0.0	-2.9	0.0	-7.3	-5.5	0.0	6.1	0.0	0.0	-5.6	0.0	-10.4	0.0	0.0
1	A	0.0	-1.3	0.0	-2.0	-2.4	-1.1	3.7	-3.3	0.0	-2.5	0.0	-4.0	0.0	0.0

Frm Line	Col Line	Seis_Right		-MIN_SNOW--		E1UNB_SL_L-		E1UNB_SL_R-	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	E	0.0	0.8	0.0	2.3	0.0	2.1	0.0	0.8
1	D	0.7	-0.8	0.0	6.4	0.0	7.6	0.0	1.4
1	C	0.0	-0.1	0.0	5.4	0.0	5.8	0.0	5.8
1	B	0.0	0.0	0.0	6.4	0.0	1.4	0.0	7.6
1	A	0.0	0.0	0.0	2.3	0.0	0.8	0.0	2.1

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1		Wind_Right1		Wind_Left2		Wind_Right2		Wind Press Horz
7	A	0.6	0.6	2.3	2.3	0.0	-3.4	0.0	-2.6	0.0	-2.0	0.0	-1.3	-2.4
7	B	1.4	1.6	6.4	6.4	0.0	-10.3	0.0	-6.0	0.0	-7.3	0.0	-2.9	-5.5
7	C	1.5	1.4	5.4	5.4	0.0	-6.4	0.0	-5.5	0.0	-4.5	0.0	-3.6	-6.6
7	D	1.4	1.6	6.4	6.4	-2.8	-8.8	0.0	-7.9	-2.8	-5.8	0.0	-4.9	-5.5
7	E	0.6	0.6	2.3	2.3	0.0	0.7	2.8	-6.2	0.0	2.0	2.8	-4.9	-2.4

Frm Line	Col Line	Wind Suct Horz	Wind_Long1		Wind_Long2		Seis_Left		Seis_Right		-MIN_SNOW--		E2UNB_SL_L-	
7	A	2.8	0.0	-4.0	0.0	-2.5	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.1
7	B	6.1	0.0	-10.4	0.0	-5.6	0.0	0.0	0.0	0.0	6.4	0.0	7.6	
7	C	7.3	0.0	-5.1	0.0	-5.5	0.0	-0.1	0.0	0.1	0.0	5.4	0.0	5.8
7	D	6.1	0.0	-4.6	-1.2	-11.6	-0.7	-0.7	0.0	0.6	0.0	6.4	0.0	1.4
7	E	2.8	1.2	-3.8	0.0	-2.5	0.0	0.8	0.7	-0.7	0.0	2.3	0.0	0.8

Frm Line	Col Line	E2UNB_SL_R-	
7	A	0.0	0.8
7	B	0.0	1.4
7	C	0.0	5.8
7	D	0.0	7.6
7	E	0.0	2.1

ANCHOR BOLT SUMMARY

	Qty	Locate	Dia (in)	Type
⊕	40	Endwall	3/4"	
●	40	Frame	1"	

BUILDING BRACING REACTIONS

		Reactions in plane of wall ± Reactions(k)								
		Wind		Seismic		Panel Shear (lb/ft)				
Loc	Line	Col Line	Horz	Vert	Horz	Vert	Wind	Seis	Note	
L_EW	1	E,D	Bracing, see EW reactions							
F_SW	A	2,3	2.8	*	0.9	*			(b)	
		5,6	2.8	*	0.9	*			(b)	
R_EW	7	D,E	Bracing, see EW reactions							
B_SW	E	6,5	5.1	*	1.7	*				
		3,2	5.1	*	1.7	*				

(b)Wind bent in bay, base above finish floor

*See RF reactions table for vertical and horizontal reactions in plane of the rigid frame.

ANCHOR BOLTS & BASE PLATES							
Frm Line	Col Line	Anc._Bolt Qty	Bolt Dia	Base_Plate (in)		AFF/BFF (in)	
				Width	Length	Thick	
1	E	4	0.750	6.000	9.875	0.375	0.0
1	D	4	0.750	6.000	9.875	0.375	0.0
1	C	4	0.750	6.000	10.13	0.375	0.0
1	B	4	0.750	6.000	9.875	0.375	0.0
1	A	4	0.750	6.000	9.875	0.375	0.0
7	A	4	0.750	6.000	9.875	0.375	0.0
7	B	4	0.750	6.000	9.875	0.375	0.0
7	C	4	0.750	6.000	10.13	0.375	0.0
7	D	4	0.750	6.000	9.875	0.375	0.0
7	E	4	0.750	6.000	9.875	0.375	0.0

DESIGN INFORMATION

1. All loading conditions are examined and only the maximum / minimum H or V and the corresponding H or V are reported.
2. Positive reactions are shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data:

DESIGN CRITERIA		SEISMIC CRITERIA		DEFLECTION LIMITS
Width (ft)		=90		ENDWALL COLUMN
Length (ft)		=150		L / 120
Eave Height (ft)		=20	Seismic Importance = 1.00	ENDWALL RAFTER (Liv
Roof Slope (rise/12)		=2.0:12	Risk Category =II - Normal	L / 180
Building Code		=IBC 18		ENDWALL RAFTER (Win
Local Code (State/Prov)		=IBC 18	Mapped Spectral Response Accelerations	L / 180
Dead Load (psf)		=2.450	Ss =0.1230	WALL GIRTS
Collateral Load (psf)		=5.00	S1 =0.0420	L / 90
Roof Live Load (psf)		=20.00	---Spectral Response Coefficients---	PURLIN (LIVE)
Frame Live Load (psf)		=20.00	Sds =0.1312	L / 180
			Sd1 =0.0672	PURLIN (WIND)
Snow:				L / 150
Ground Snow Load (psf)		=25.00		WALL PANEL
Snow Importance		=1.00	Site Class =d	L / 90
Thermal Coefficient		=1.00	Seismic Design Category =B	ROOF PANEL (Live)
Snow Exposure Factor		=1.0000		L / 180
Slippery Roof		=N	-----Base Shear-----	ROOF PANEL (Wind)
Roof Snow Load, Pf (psf)		=20	Expanded Formula = 0.667*Ie*Fa*Ss*W/R	L / 120
Min Roof Snow Load, Pmin (psf)		=20.0000	Longitudinal Base Shear (k) = 6.95	Main Frame (Horiz)
			Transverse Base Shear (k) = 6.93	H / 60
Wind:				Main Frame (Vert)
Ultimate Wind Speed (mph)		=115 mph		L / 180
Risk Category		=II - Normal	---Seismic Response Coefficients---	WIND BRACING
Importance - Wind		= 1.00	Frame =0.044	H / 60
Wind Exposure		=C	FSW =0.044	Main Frame (Crane)
Enclosure Classification		=C	BSW =0.044	H / 100
---Internal Pressure Coefficients---				Main Frame (Seismi
Pressure		=0.18	---Response Modification Factors---	H / 50
Suction		=-0.18	Frame =3	SEISMIC BRACING
			FSW =3	H / 50
-----Components & Cladding-----			BSW =3	PARTITION COLUMN
Design Pressure:				L / 120
Pressure (psf)		=27.84		PARTITION GIRT
Suction (psf)		=-37.12		L / 120
				PARTITION PANEL
				L / 120

Equivalent Lateral Brace Force Procedure.

Steel systems not specifically detailed for seismic resistance.



7620 MEADOW RUN LANE

90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23

REVISION: 0

ENG: IRM

DWN: BJC

APPD: IRM

7620 MEADOW RUN LANE

CITY: OWINGS

ST / PV: MD

REVISION HISTORY

DATE

DESCRIPTION

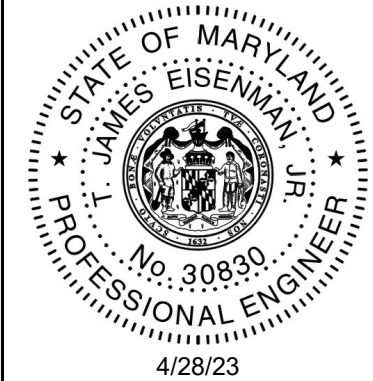
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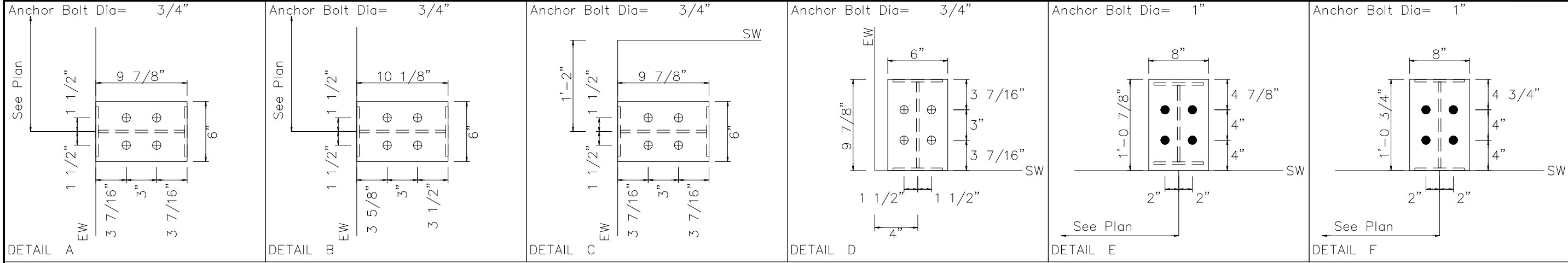
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SOLID

STEEL BUILDINGS

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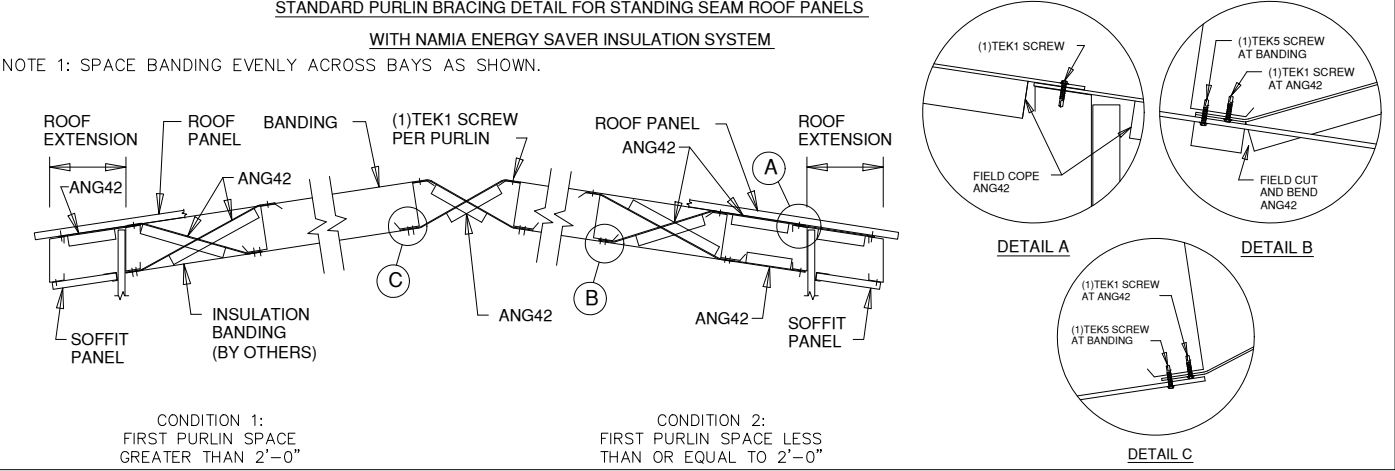
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No. 30830

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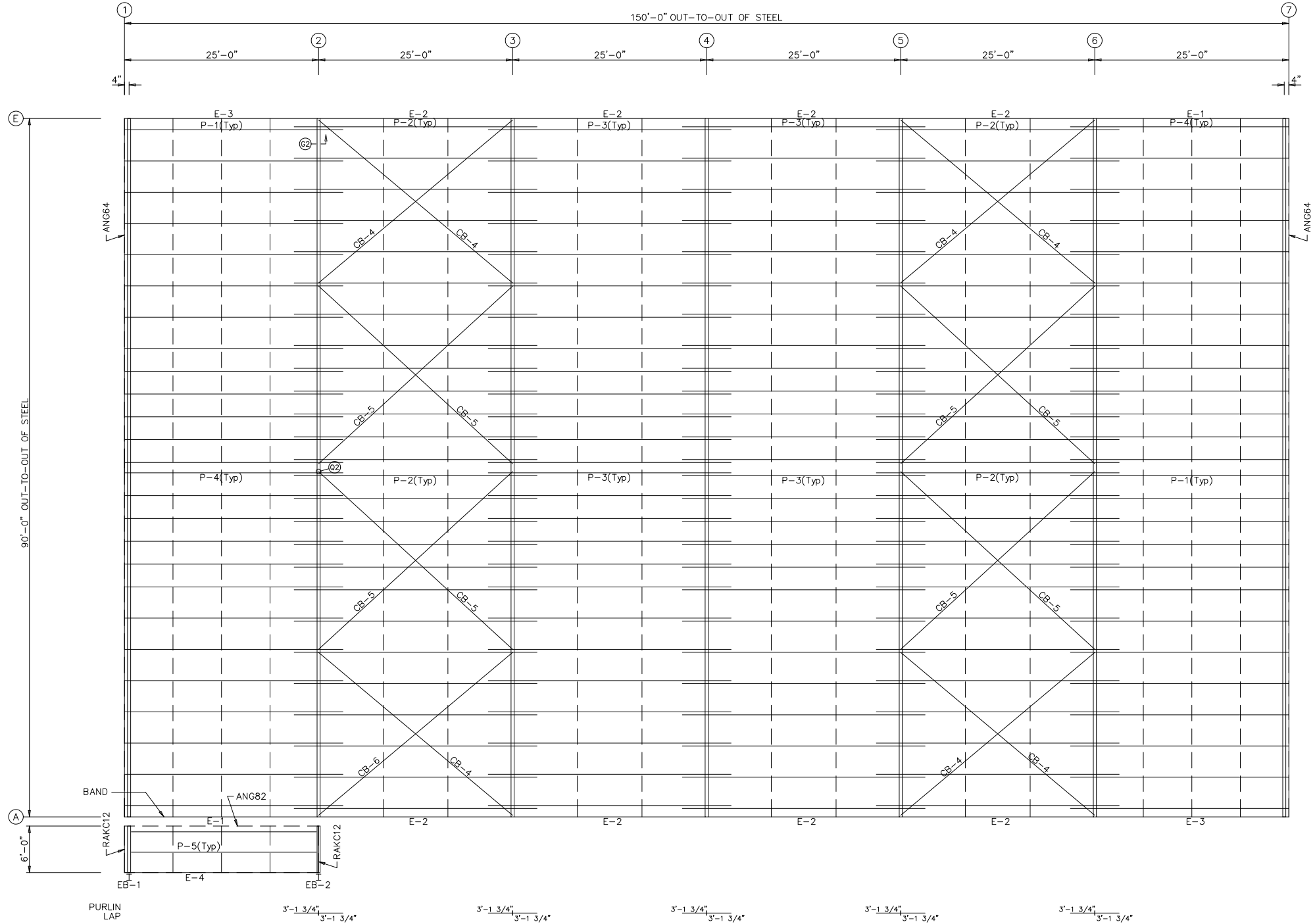
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EXTENSION/CANOPY BOLTS				
ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-1	8	A325	1/2"	1 1/4"
EB-2	8	A325	1/2"	1 1/2"

MEMBER TABLE			
ROOF PLAN			
QUAN	MARK	PART	LENGTH
1	EB-1	W12X16	6'-3 1/16"
1	EB-2	W12X16	6'-3 1/16"
26	P-1	08X25Z13	28'-1 1/2"
52	P-2	08X25Z14	31'-3 1/2"
52	P-3	08X25Z16	31'-3 1/2"
26	P-4	08X25Z13	28'-1 1/2"
2	P-5	12X25Z10	24'-1 1/2"
2	E-1	08X35E14	24'-11 1/2"
8	E-2	08X35E14	24'-11 1/2"
2	E-3	08X35E14	24'-11 1/2"
1	E-4	12X35E13	25'-1 1/2"
7	CB-4	CABLE250	30'-9 9/16"
8	CB-5	CABLE250	32'-1 5/16"
1	CB-6	CABLE250	30'-9 7/16"



GENERAL NOTES:

- Screw Down Roof: Use TEK5WW screws in place of SD150 panel screws at all 10 gage purlins, eave struts, or roof joists.
- Standing Seam Roof: Use FST#6 in place of FST#1 clip to purlin screws at all 10 gage purlins, eave struts, or at roof joists.

ROOF FRAMING PLAN

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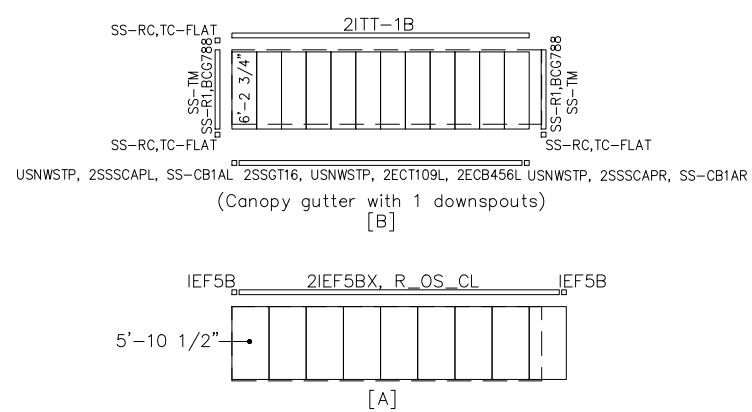
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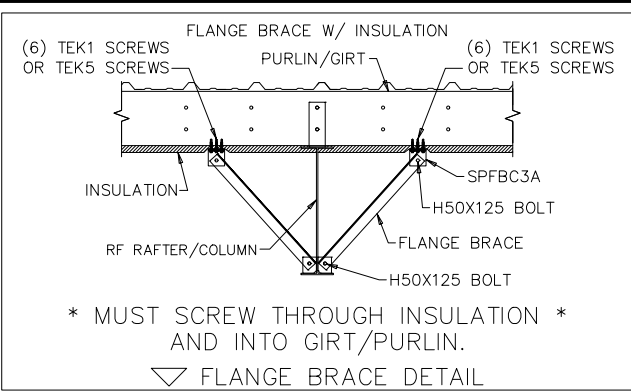
PANELS: 24 Ga. L4 – Galvalume
[A] SOFFIT PANELS: 26 Ga. R – Arctic White
[B] ROOF PANELS: 24 Ga. L4 – Light Stone

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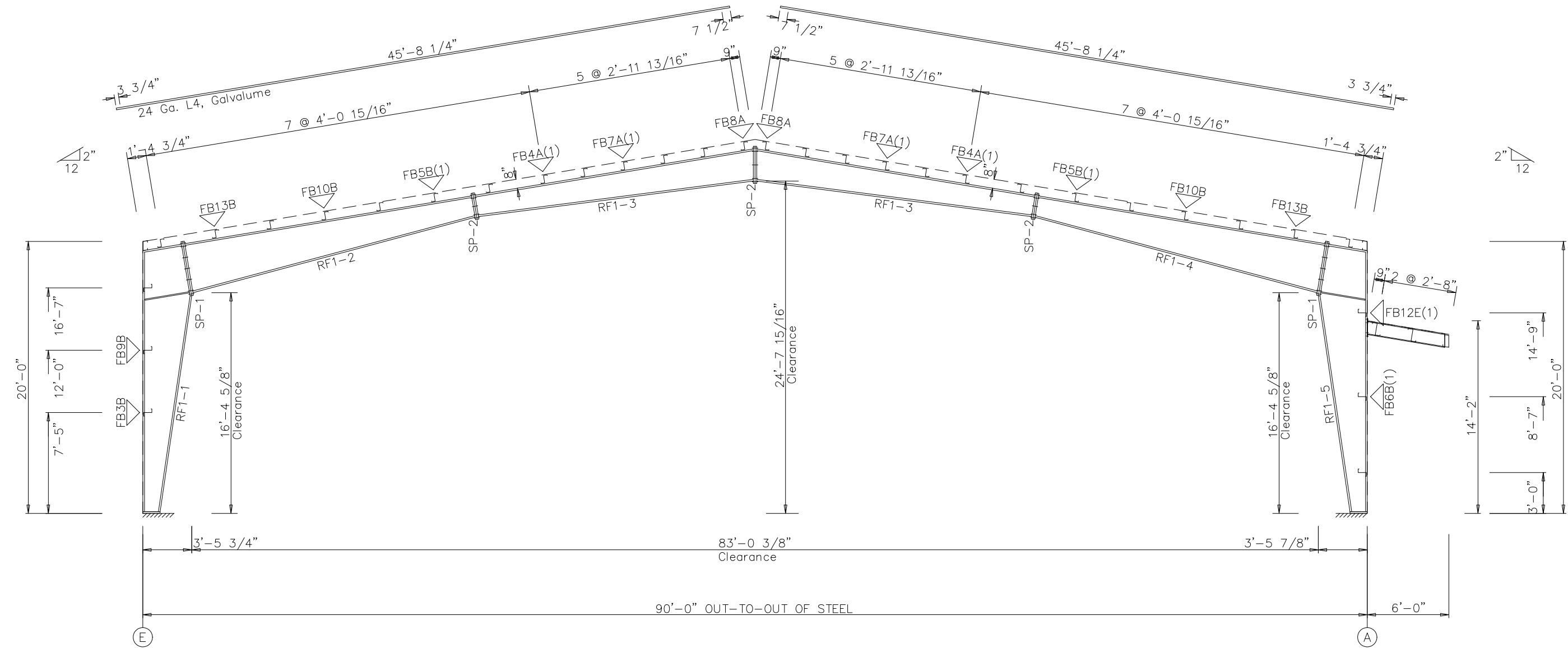
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SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
SP-1	4	4	6	A325	1.000	2.75
SP-2	4	4	2	A325	0.750	2.00

▽ FLANGE BRACES: Both Sides(U.N.)
FBxxB(1)
B - L20X3/16
A - L15X1/8
E - L30X1/4



Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start	End	Thick	Length	W	x Thk	x Length	W	x Thk	x Length
RF1-1	12.0	30.1	0.149	120.0	6 x 1/4"	x	231.1	6 x 1/2"	x	194.4
RF1-2	30.1	41.0	0.219	116.8	6 x 1/4"	x	34.3	6 x 1/2"	x	139.8
	41.0	33.4	0.188	79.2	6 x 1/4"	x	259.2			
RF1-3	33.4	16.0	0.149	180.0	6 x 3/8"	x	251.0	6 x 3/8"	x	120.5
	16.0	25.0	0.149	251.0				6 x 1/4"	x	246.9
RF1-4	16.0	33.4	0.149	180.0	6 x 1/4"	x	259.1	6 x 3/8"	x	120.5
	33.4	41.0	0.188	79.1				6 x 1/2"	x	139.7
RF1-5	41.0	30.1	0.219	116.8	6 x 1/4"	x	34.4	6 x 1/2"	x	194.4
	30.1	12.0	0.149	120.0	6 x 3/8"	x	111.1			
					6 x 1/4"	x	120.0			



GENERAL NOTES:

- See Detail Sheets for Connection Information.
- See Shipping List for Flange Brace Lengths.

DRAWING IS NOT TO SCALE

SOLID

STEEL BUILDINGS

7620 MEADOW RUN LANE

90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23

ENG: IRM

REVISION: 0

DWN: BJC

APPD: IRM

F.O. 27080

7620 MEADOW RUN LANE

DRAWING STATUS

CITY: OWINGS

ST / PV: MD

REVISION HISTORY

DESCRIPTION

DATE

FOR APPROVAL:

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FOR CONSTRUCTION:

FINAL DRAWINGS.

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STATE OF MARYLAND

T. JAMES EISENMAN, JR.

PROFESSIONAL ENGINEER

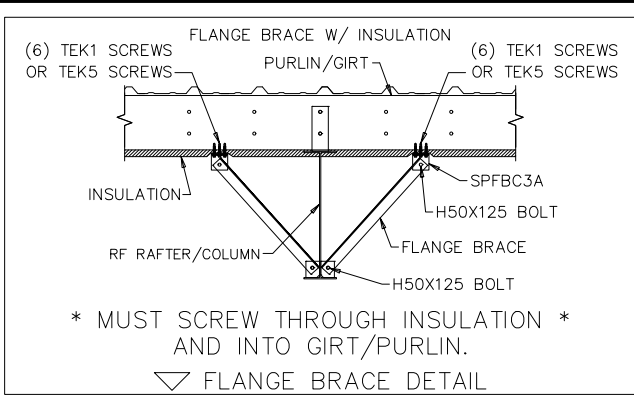
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4/28/23

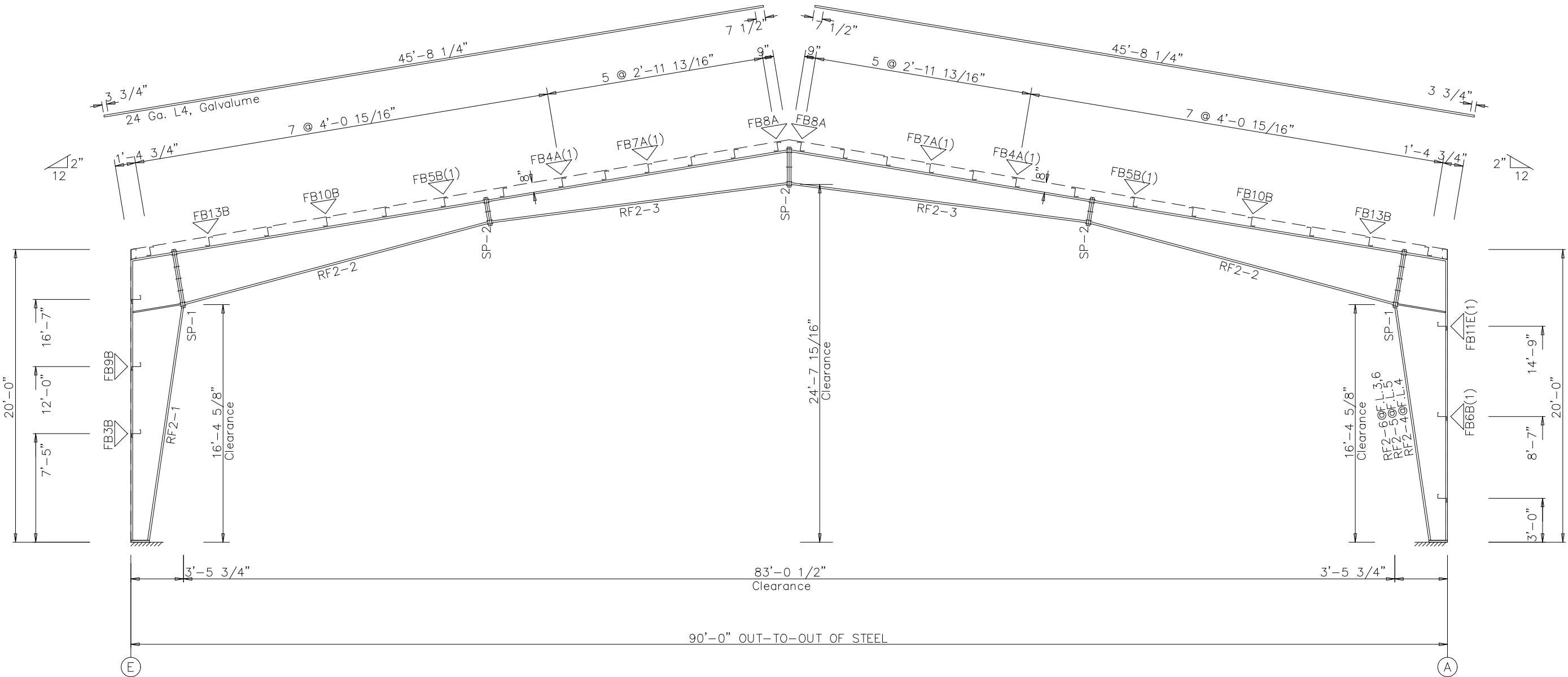
PAGE 8 OF 18

SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
SP-1	4	4	6	A325	1.000	2.75
SP-2	4	4	2	A325	0.750	2.00

▽ FLANGE BRACES: Both Sides(U.N.)
FBxxB(1)
B - L20X3/16
A - L15X1/8
E - L30X1/4



Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start	End	Thick	Length	W	x	Thk x Length	W	x	Thk x Length
RF2-1	12.0	30.1	0.149	120.0	6	x	1/4" x 231.1	6	x	1/2" x 194.4
RF2-2	30.1	41.0	0.219	116.8	6	x	1/4" x 34.3	6	x	1/2" x 139.8
	41.0	33.4	0.188	79.2	6	x	1/4" x 259.2		x	3/8" x 120.5
RF2-3	33.4	16.0	0.149	180.0	6	x	3/8" x 251.0	6	x	1/4" x 246.9
RF2-4	16.0	25.0	0.149	251.0		x	1/4" x 34.3	6	x	1/2" x 194.4
RF2-5	41.0	30.1	0.219	116.8	6	x	1/4" x 231.1	6	x	1/2" x 194.4
	30.1	12.0	0.149	120.0	6	x	1/4" x 34.3		x	1/2" x 194.4
RF2-6	41.0	30.1	0.219	116.8	6	x	1/4" x 231.1	6	x	1/2" x 194.4
	30.1	12.0	0.149	120.0	6	x	1/4" x 34.3		x	1/2" x 194.4



GENERAL NOTES:

- See Detail Sheets for Connection Information.
- See Shipping List for Flange Brace Lengths.

DRAWING IS NOT TO SCALE

SOLID

STEEL BUILDINGS

7620 MEADOW RUN LANE

90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23

ENG: IRM

REVISION: 0

DWN: BJC

APPD: IRM

F.O. 27080

7620 MEADOW RUN LANE

DRAWING STATUS

CITY: OWINGS

ST / PV: MD

REVISION HISTORY

REV.

DESCRIPTION

DATE

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STATE OF MARYLAND

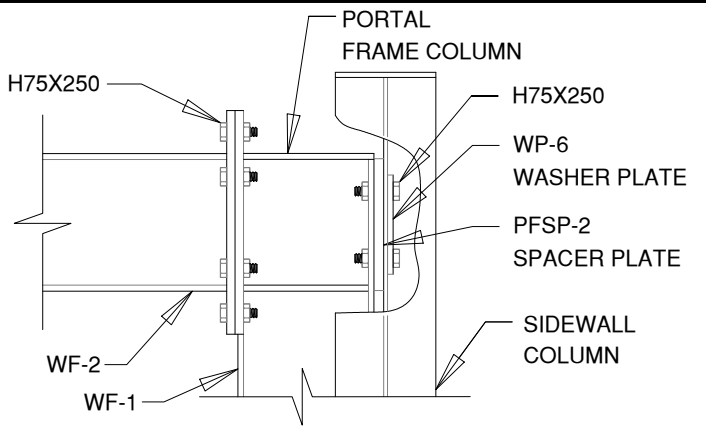
T. JAMES EISENMAN, JR.

PROFESSIONAL ENGINEER

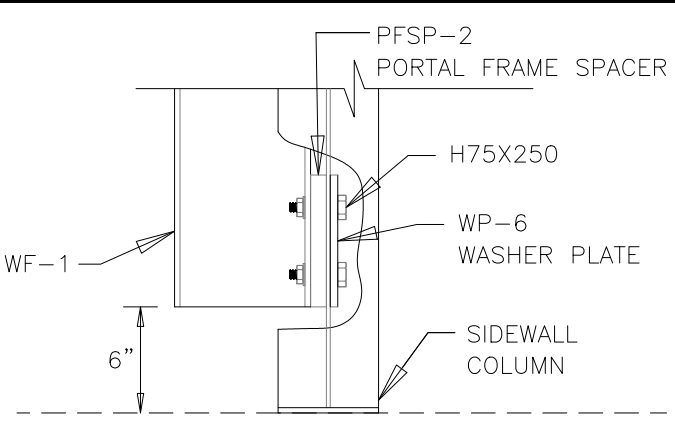
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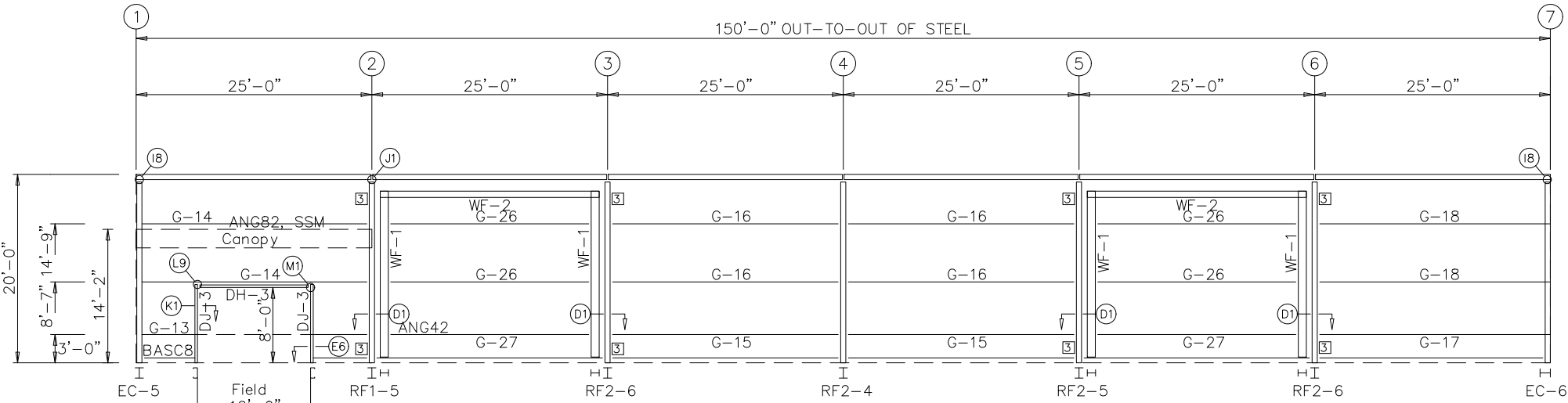
PORTAL FRAME CONNECTION
WITH PFSP-2 SPACER PLATE



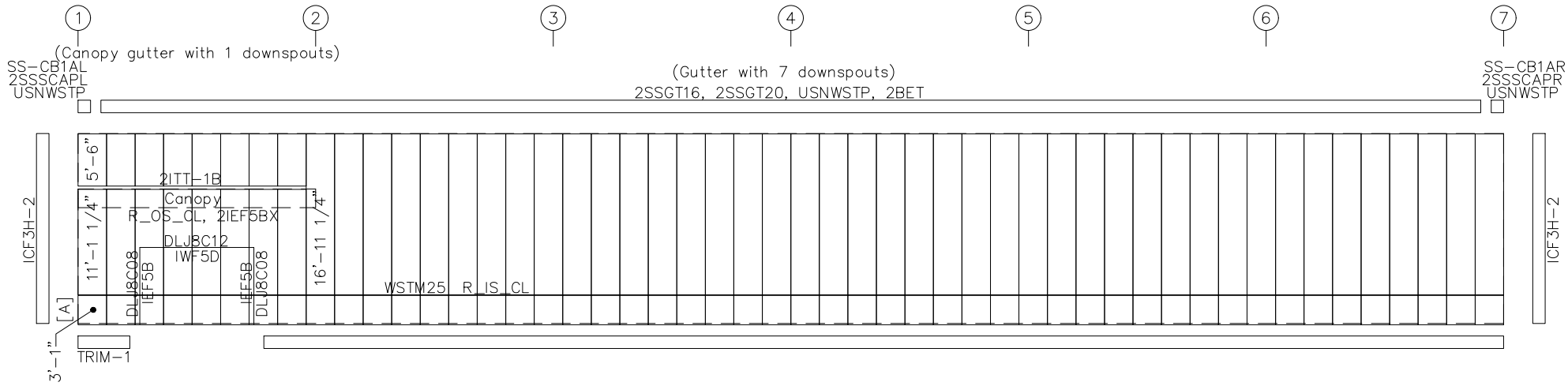
PORTAL FRAME SPACER CONNECTION
DETAIL @ BOTTOM LEVEL

MEMBER TABLE FRAME LINE A			
QUAN	MARK	PART	LENGTH
4	WF-1	W10X22	18'-4"
2	WF-2	W8X24	23'-1 3/8"
2	DJ-3	08X35C16	8'-6 3/4"
1	DH-3	08X35C16	12'-0"
1	G-13	08X25Z16	24'-0 1/2"
2	G-14	08X25Z10	24'-0 1/2"
2	G-15	08X25Z13	24'-5 1/2"
4	G-16	08X25Z10	24'-5 1/2"
1	G-17	08X25Z13	24'-8 1/2"
2	G-18	08X25Z10	24'-8 1/2"
4	G-26	08X25Z10	23'-2"
2	G-27	08X25Z13	23'-2"

CONNECTION PLATES FRAME LINE A		
ID	QUAN	MARK/PART
☐	3	8 PFSP-2

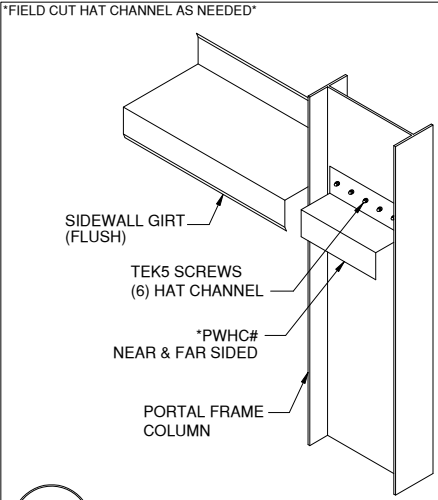


SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. R - Light Stone
[A] PANELS: 24 Ga. RR - Galvalume



D1 FLUSH SIDEWALL GIRT
AT PORTAL FRAME COLUMN

DRAWING IS NOT TO SCALE

TRIM COLORS

EAVE TRIM	= Ash Grey	CORNER TRIM	= Ash Grey
BASE TRIM	= Light Stone	GUTTER	= Ash Grey
DOOR TRIM	= Ash Grey	DOWNSPOUTS	= Ash Grey
RAKE TRIM	= Ash Grey		
* LINER TRIM	= Liner panel color		
* SOFFIT TRIM	= Soffit panel color		

* ONLY APPLICABLE IF LINER TRIM OR SOFFIT PANEL IS INDICATED
ON BUILDING ORDER.



7620 MEADOW RUN LANE

90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23 REVISION: 0

ENG: IRM DWN: BJC APPD: IRM

F.O. 27080

7620 MEADOW RUN LANE

CITY: OWINGS		ST / PV: MD
REVISION HISTORY		
REV.	DESCRIPTION	DATE

DRAWING STATUS	
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☒	FOR CONSTRUCTION: FINAL DRAWINGS.

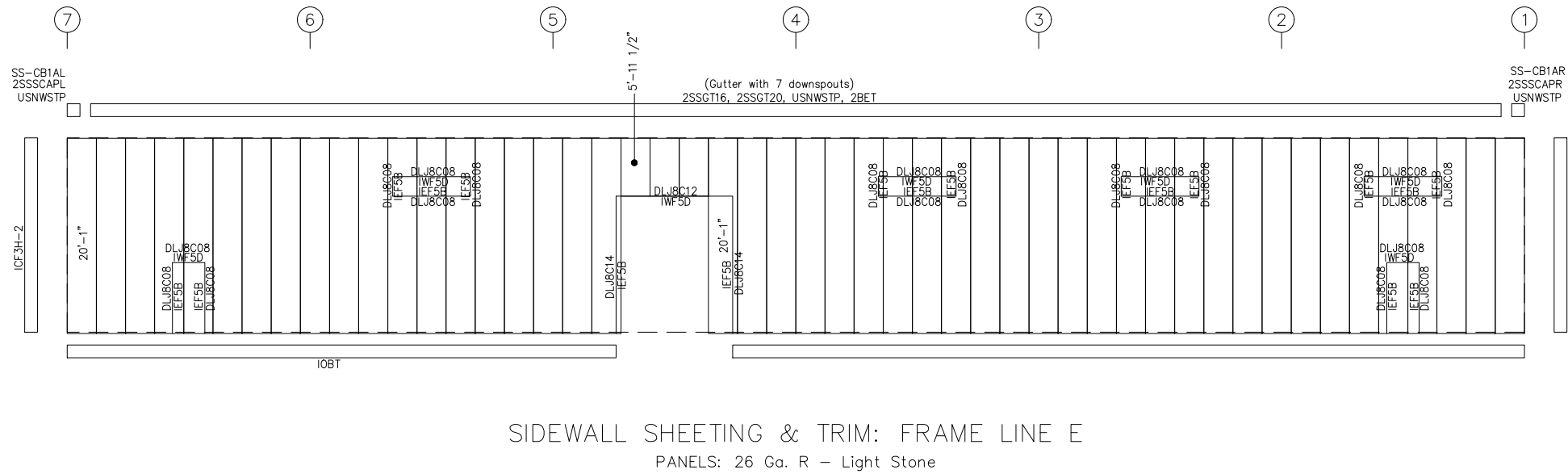
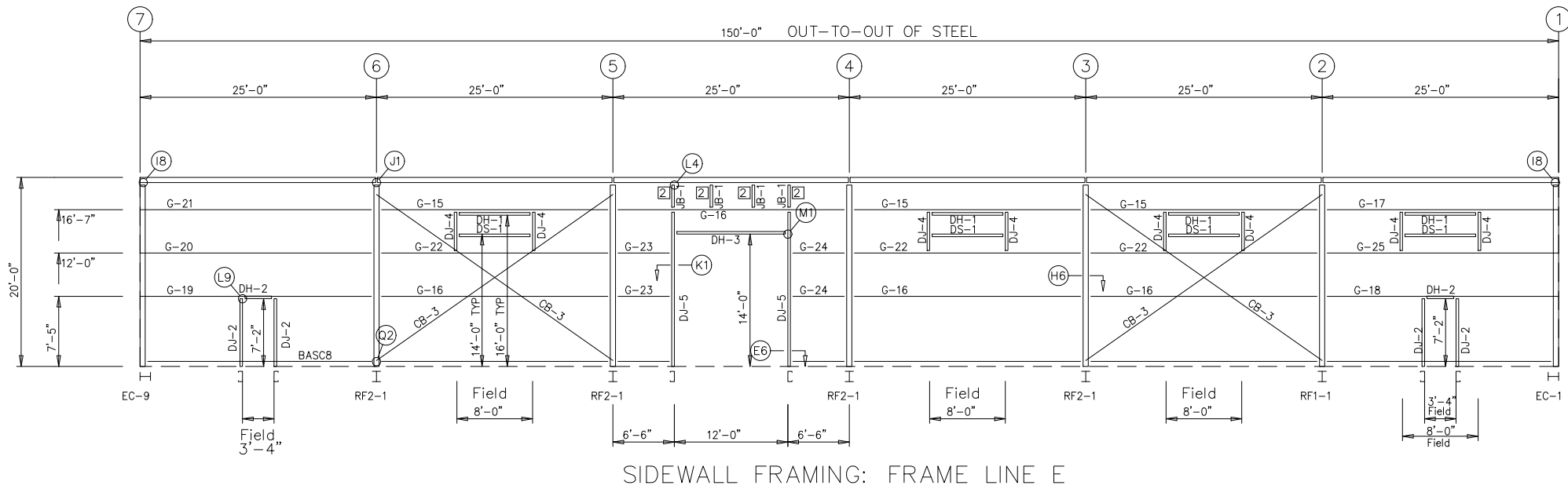


4/28/23

GENERAL NOTES:

1. Use TEK5WW screws in place of SD150 panel screws at all 10 gage members.
2. All connections to door or window jambs where the clip is not designated in the clip table / drawing are made with JC# clips (#= Girt Depth).

NOTE: FIELD DRILL GIRTS TO ALLOW CABLES TO PASS.



SIDEWALL SHEETING & TRIM: FRAME LINE E
PANELS: 26 Ga. R – Light Stone

MEMBER TABLE			
FRAME LINE E			
QUAN	MARK	PART	LENGTH
4	DJ-2	08X35C16	7'-4 3/4"
8	DJ-4	08X35C16	4'-6 1/2"
2	DJ-5	08X35C16	16'-6 3/4"
4	DH-1	08X35C16	8'-0"
2	DH-2	08X30C16	3'-4"
1	DH-3	08X35C16	12'-0"
4	DS-1	08X35C16	8'-0"
3	G-15	08X25Z13	24'-5 1/2"
4	G-16	08X25Z10	24'-5 1/2"
1	G-17	08X25Z13	24'-8 1/2"
1	G-18	08X25Z10	24'-8 1/2"
1	G-19	08X25Z10	24'-8 1/2"
1	G-20	08X25Z12	24'-8 1/2"
1	G-21	08X25Z13	24'-8 1/2"
3	G-22	08X25Z12	24'-5 1/2"
2	G-23	08X25Z16	5'-11"
2	G-24	08X25Z16	5'-11"
1	G-25	08X25Z12	24'-8 1/2"
4	CB-3	CABLE375	28'-8 7/8"
4	JB-1	08X35C16	2'-7 3/4"

CONNECTION PLATES FRAME LINE E		
QID	QUAN	MARK/PART
2	4	JC

7620 MEADOW RUN LANE

CITY: OWINGS	ST / PV: MD
--------------	-------------

REVISION HISTORY

DATE _____

DESCRIPTION

REV.

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**FOR CONSTRUCTION:
FINAL DRAWINGS.**



4/28/23

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GENERAL NOTES:

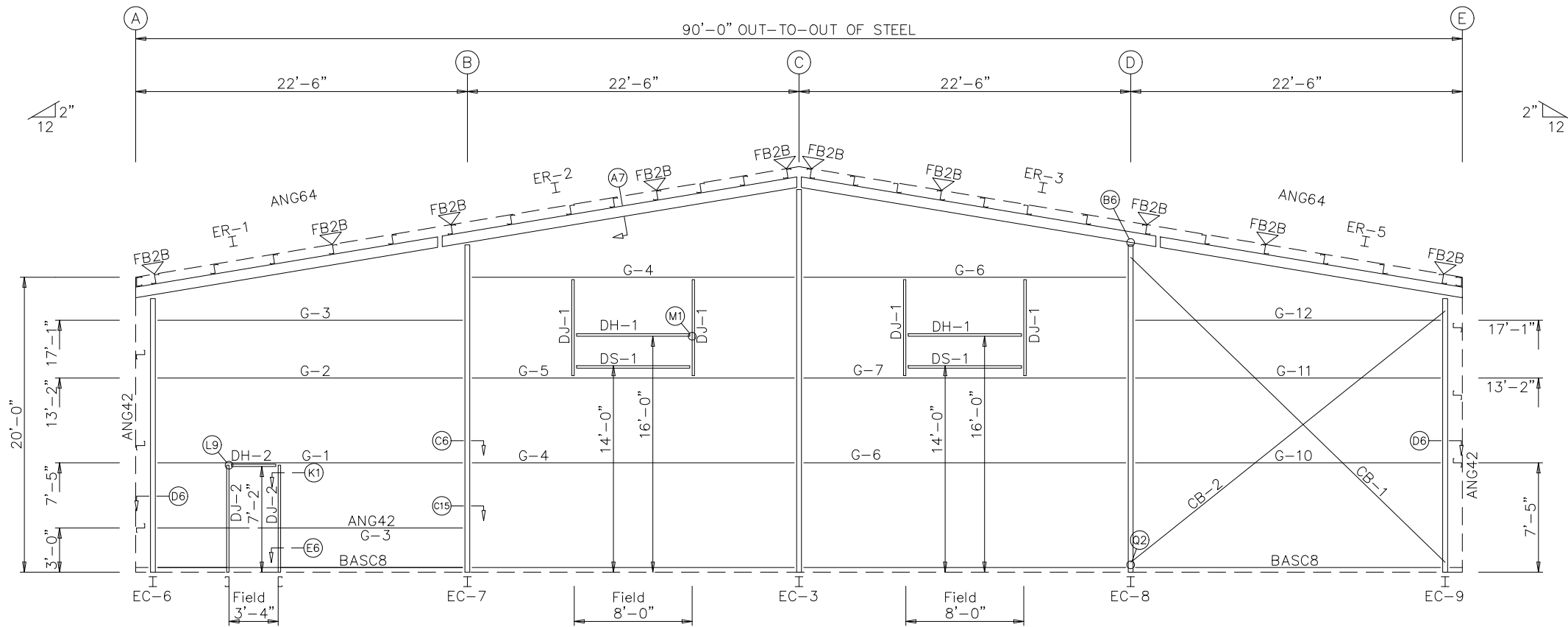
1. Use TEK5WW screws in place of SD150 panel screws at all 10 gage members.
2. All connections to door or window jambs where the clip is not designated in the clip table / drawing are made with JC# clips (#= Girt Depth).

DRAWING IS NOT TO SCALE

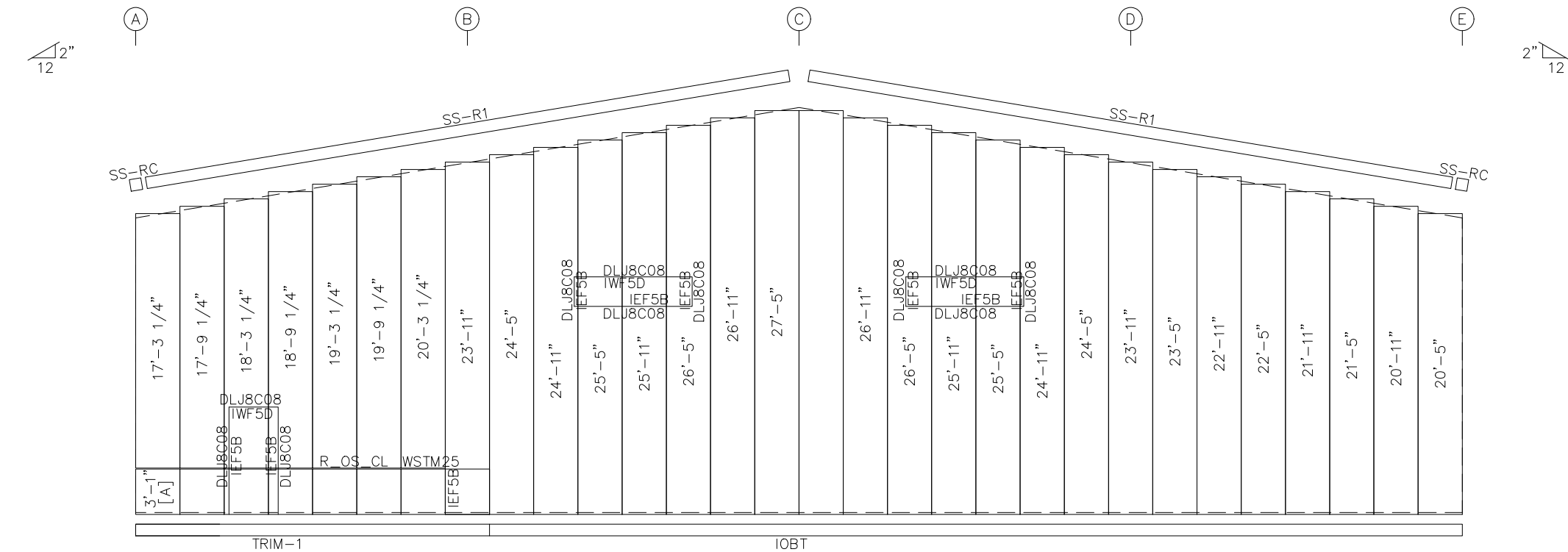
TRIM COLORS

EAVE TRIM	= Ash Grey	CORNER TRIM	= Ash Grey
BASE TRIM	= Light Stone	GUTTER	= Ash Grey
DOOR TRIM	= Ash Grey	DOWNSPOUTS	= Ash Grey
RAKE TRIM	= Ash Grey		
* LINER TRIM	= Liner panel color		
* SOFFIT TRIM	= Soffit panel color		

* ONLY APPLICABLE IF LINER TRIM OR SOFFIT PANEL IS INDICATED ON BUILDING ORDER.



ENDWALL FRAMING: FRAME LINE 7



ENDWALL SHEETING & TRIM: FRAME LINE 7

PANELS: 26 Ga. R - Light Stone
[A] PANELS: 24 Ga. RR - Galvalume

BOLT TABLE				
FRAME LINE 7				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325	1/2"	1 1/2"
ER-2/ER-3	8	A325	1/2"	1 1/2"
ER-3/ER-5	8	A325	1/2"	1 1/2"
Cor_Column/Raf	2	A325	3/4"	1 3/4"
EC-7/ER-2	2	A325	3/4"	1 3/4"
EC-3/ER-2	2	A325	3/4"	1 3/4"
EC-8/ER-3	2	A325	3/4"	1 3/4"

MEMBER TABLE			
FRAME LINE 7			
QUAN	MARK	PART	LENGTH
1	EC-3	W10X22	25'-8 3/4"
1	EC-6	W10X12	18'-7 7/16"
1	EC-7	W10X12	22'-2 1/8"
1	EC-8	W10X12	22'-2 1/8"
1	EC-9	W10X12	18'-7 7/16"
1	ER-1	W10X12	21'-0 11/16"
1	ER-2	W10X12	24'-8 3/8"
1	ER-3	W10X12	24'-8 3/8"
1	ER-5	W10X12	21'-0 11/16"
4	DJ-1	08X35C16	6'-9 1/2"
2	DJ-2	08X35C16	7'-4 3/4"
2	DH-1	08X35C16	8'-0"
1	DH-2	08X30C16	3'-4"
2	DS-1	08X35C16	8'-0"
1	G-1	08X25Z10	20'-11 1/2"
1	G-2	08X25Z13	20'-11 1/2"
2	G-3	08X25Z14	20'-11 1/2"
2	G-4	08X25Z10	22'-0 5/8"
1	G-5	08X25Z12	22'-0 5/8"
2	G-6	08X25Z10	22'-0 5/8"
1	G-7	08X25Z12	22'-0 5/8"
1	G-10	08X25Z10	20'-11 1/2"
1	G-11	08X25Z13	20'-11 1/2"
1	G-12	08X25Z14	20'-11 1/2"
1	CB-1	CABLE250	28'-0 1/16"
1	CB-2	CABLE250	25'-7 3/4"

FLANGE BRACE TABLE		
FRAME LINE 7		
VID	MARK	LENGTH
1	FB2B	1'-3 5/8"

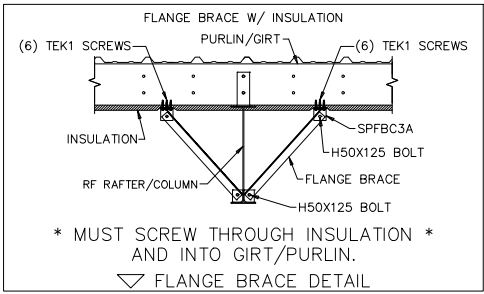
NOTE: FIELD DRILL GIRTS TO ALLOW CABLES TO PASS.

DRAWING IS NOT TO SCALE

TRIM COLORS			
EAVE TRIM	= Ash Grey	CORNER TRIM	= Ash Grey
BASE TRIM	= Light Stone	GUTTER	= Ash Grey
DOOR TRIM	= Ash Grey	DOWNSPOUTS	= Ash Grey
RAKE TRIM	= Ash Grey		
* LINER TRIM	= Liner panel color		
* SOFFIT TRIM	= Soffit panel color		
* ONLY APPLICABLE IF LINER TRIM OR SOFFIT PANEL IS INDICATED ON BUILDING ORDER.			

GENERAL NOTES:

1. Use TEK5WW screws in place of SD150 panel screws at all 10 gage members.
2. See detail C7A for field coping of coldform endwall column flange braces.
3. All connections to door or window jambs where the clip is not designated in the clip table / drawing are made with JC# clips (#= Girt Depth).



SOLID

STEEL BUILDINGS

7620 MEADOW RUN LANE

90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23

REVISION: 0

ENG: IRM

DWN: BJC

APPD: IRM

7620 MEADOW RUN LANE

CITY: OWINGS

ST / PV: MD

DRAWING STATUS

REVISION HISTORY

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STATE OF MARYLAND

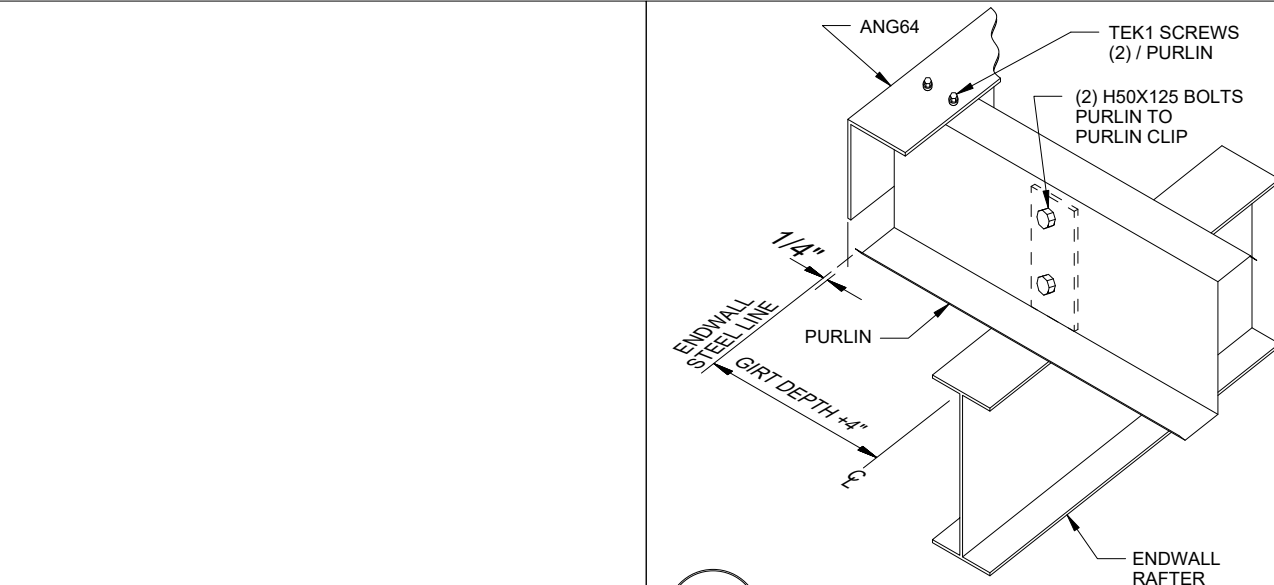
JAMES EISENMAN, JR.

PROFESSIONAL ENGINEER

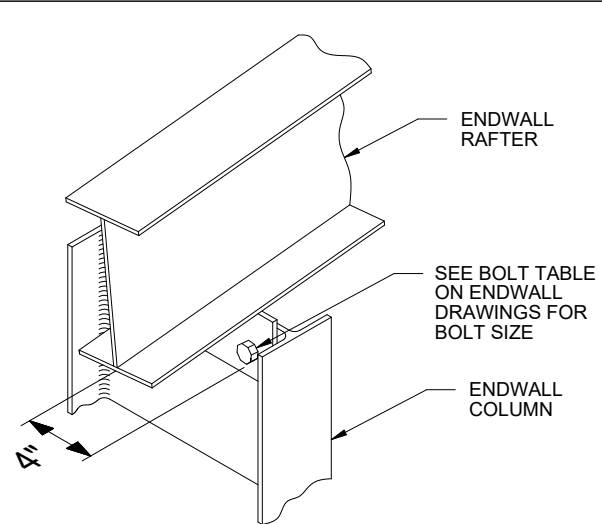
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4/28/23

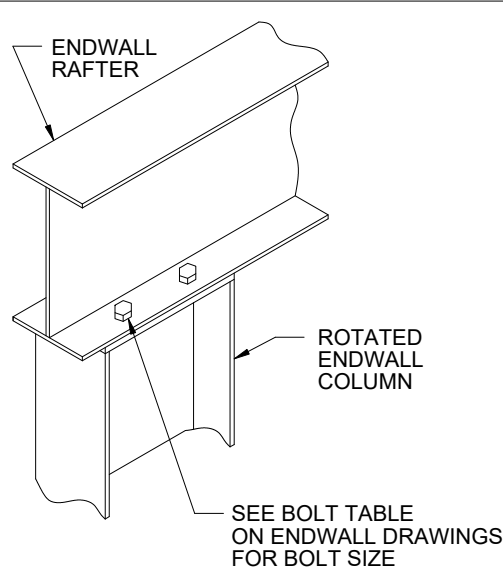
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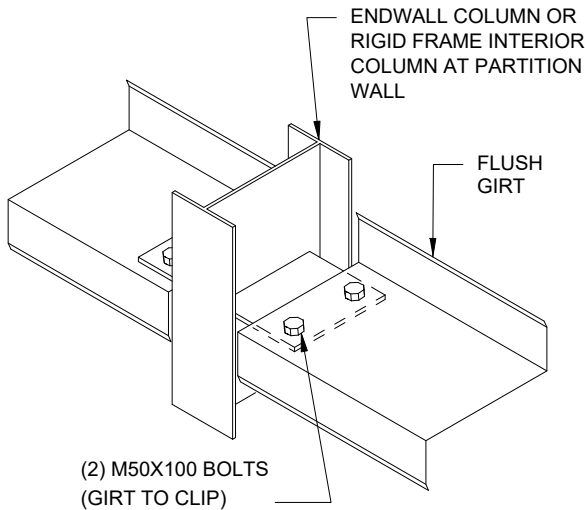
A7 PURLIN TO ENDWALL
RAFTER CONNECTION



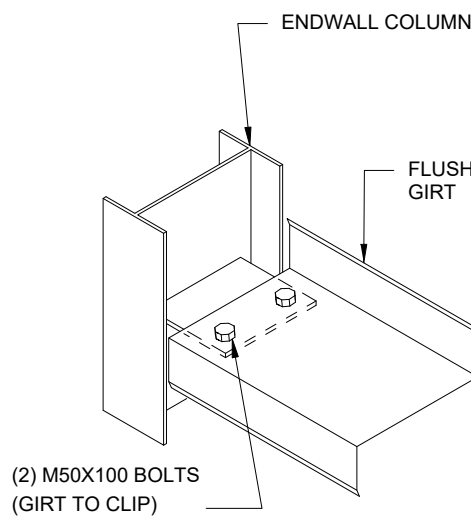
B6 ENDWALL COLUMN TO
RAFTER CONNECTION



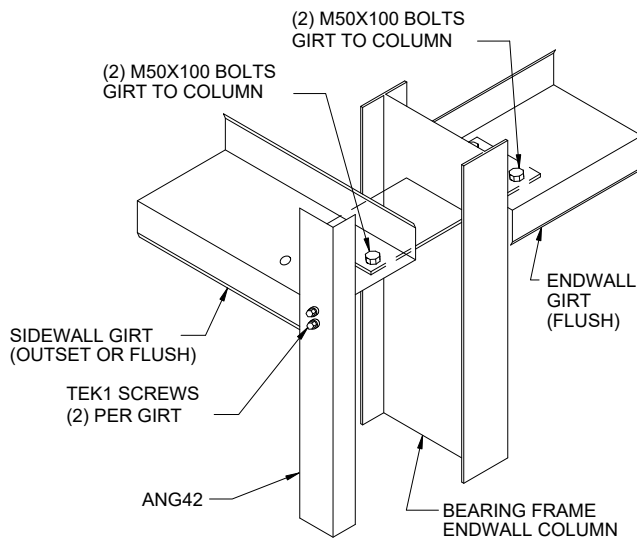
B16 ENDWALL COLUMN TO
RAFTER CONNECTION



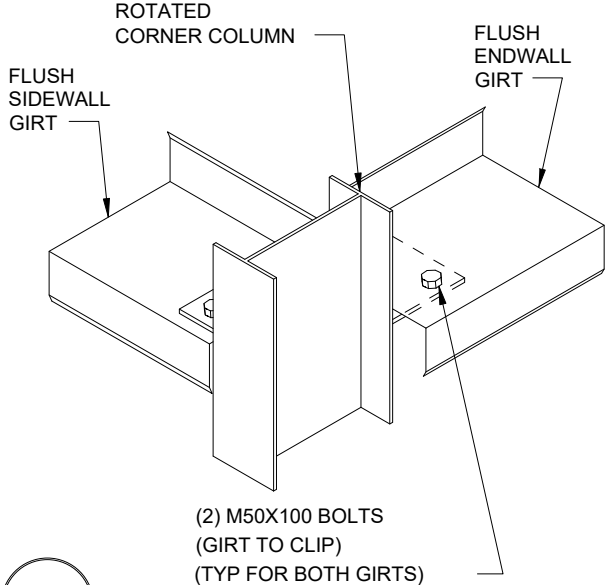
C6 FLUSH GIRT TO COLUMN



C15) FLUSH GIRT ENDING AT COLUMN



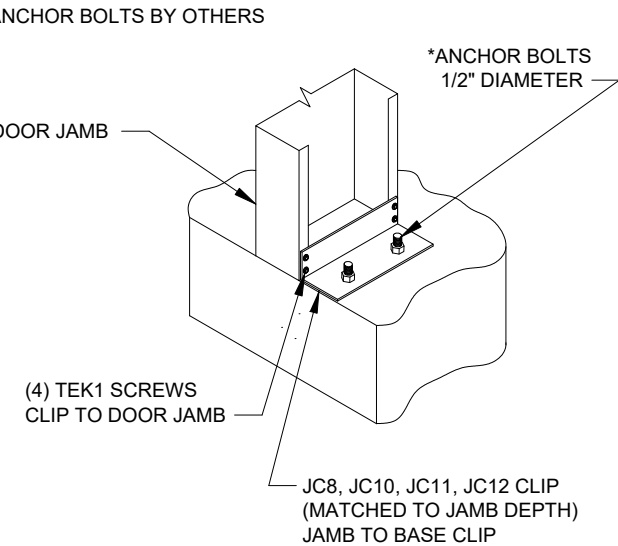
D6 WALL GIRTS TO FLUSH CORNER COLUMN



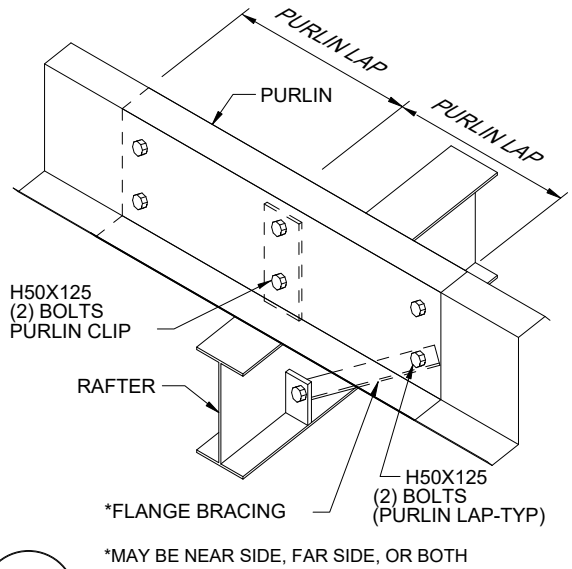
(TYP FOR BOTH GIRLS)

D25

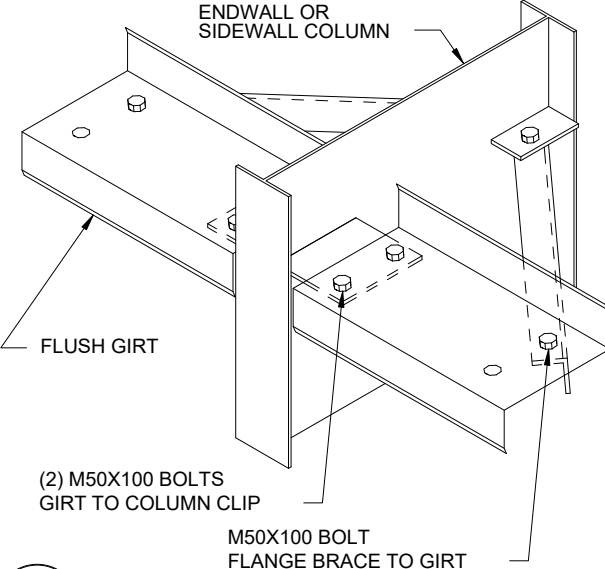
FLUSH GIRT TO COLUMN



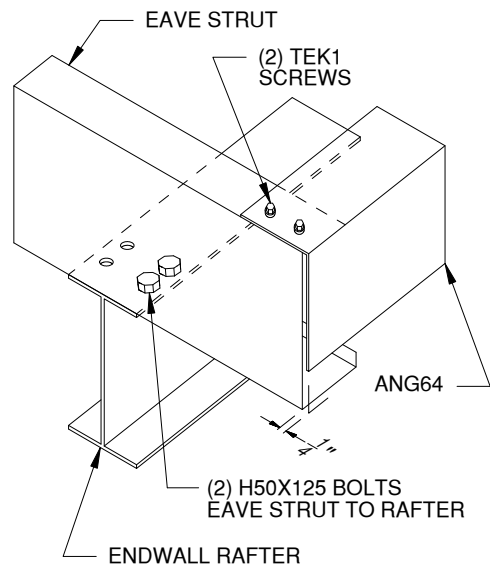
E6 DOOR JAMB TO FOUNDATION



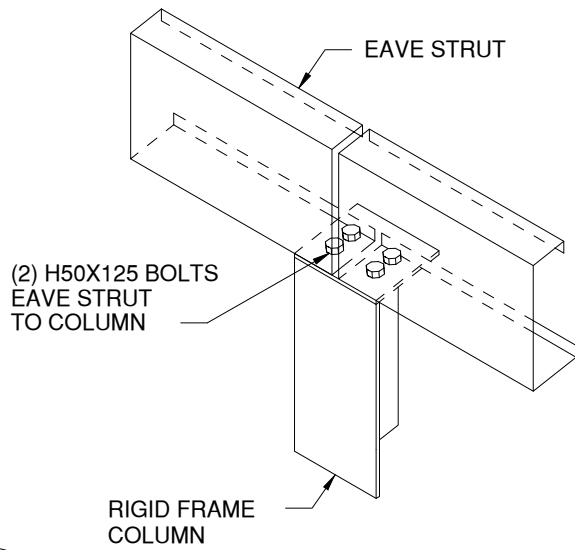
G2 ROOF PURLIN TO
INTERIOR FRAME RAFTER



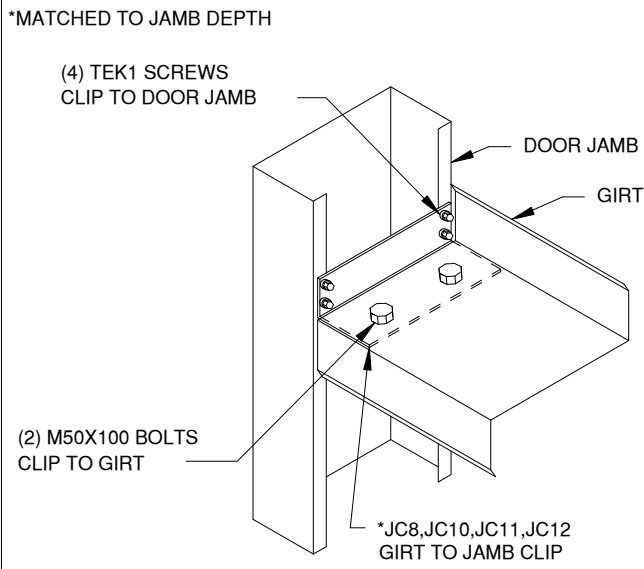
H6 GIRT TO COLUMN - FLUSH GIRTS



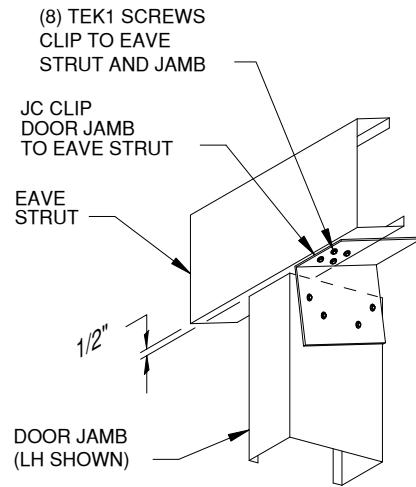
I8 EAVE STRUT TO ENDWALL RAFTER
LOW EAVE



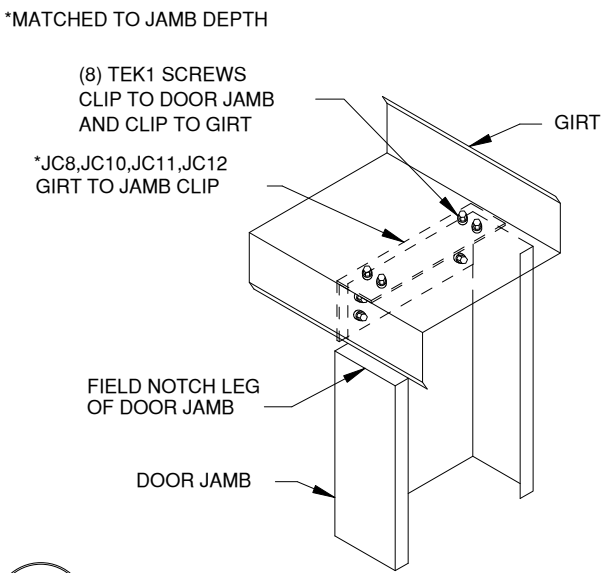
J1 EAVE STRUT TO RIGID FRAME
FLUSH GIRT CONDITION



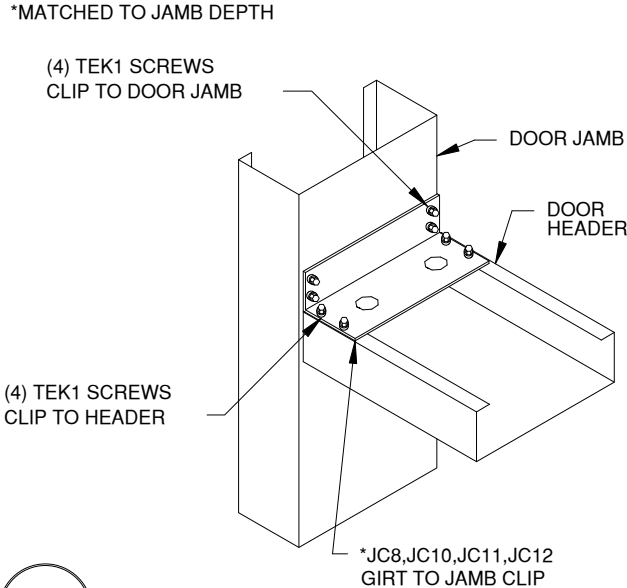
K1 WALL GIRT TO DOOR JAMB



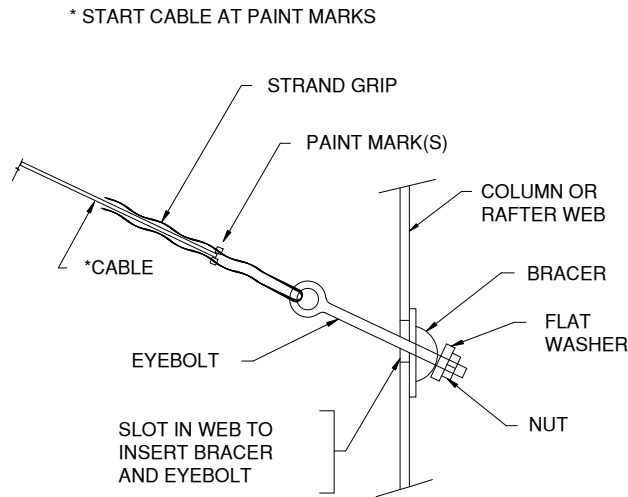
L4 DOOR JAMB TO EAVE STRUT



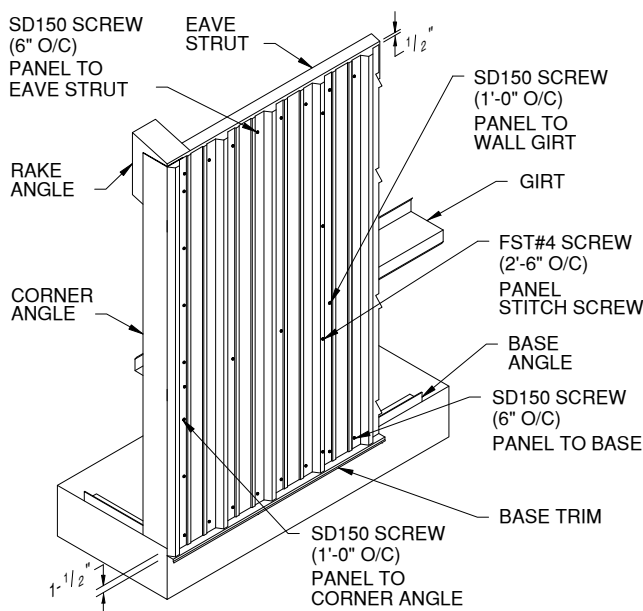
L9 DOOR JAMB TO WALL GIRT



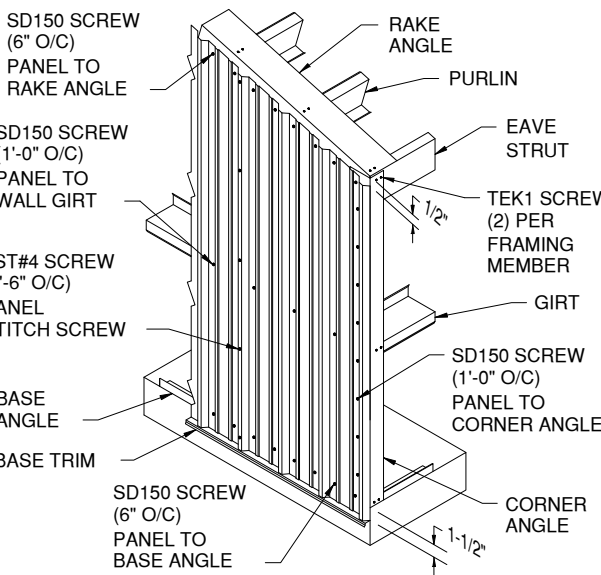
M1 DOOR HEADER TO DOOR JAMB



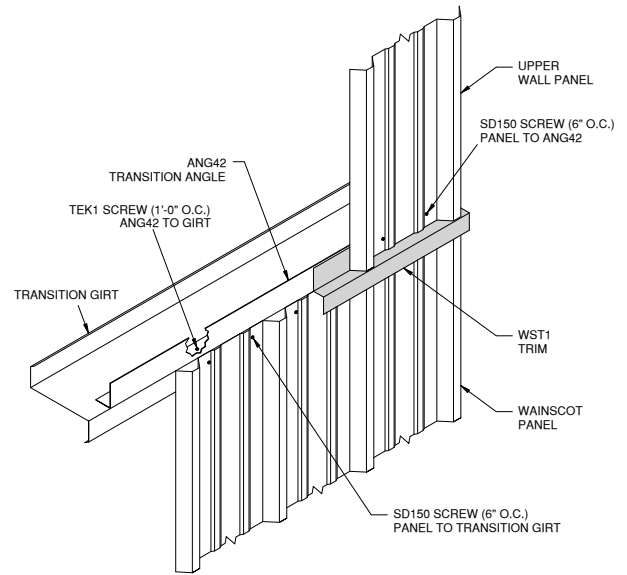
Q2 CABLE BRACE / EYEBOLT



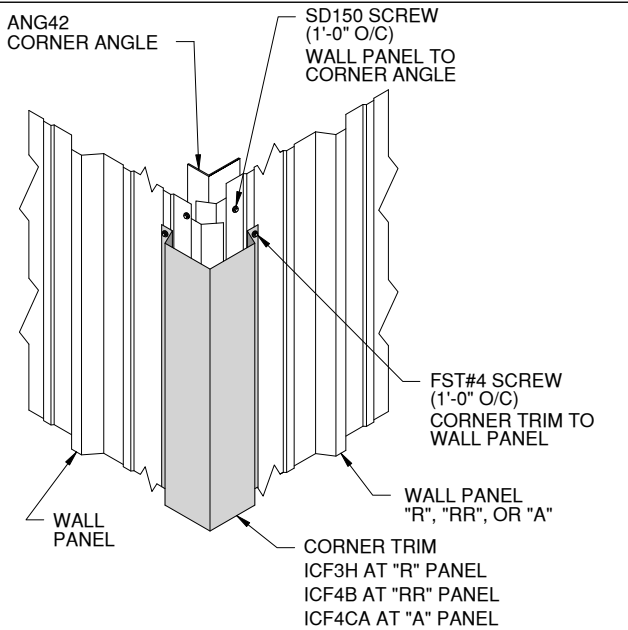
"R" PANEL SIDEWALL



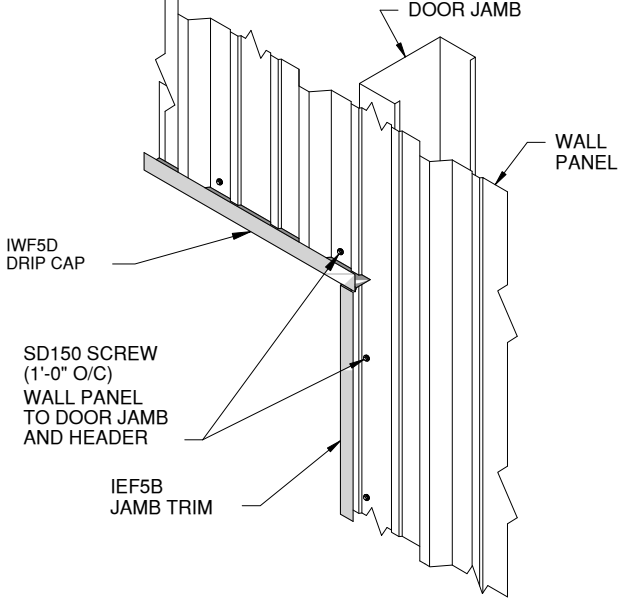
"R" PANEL ENDWALL



WAINSCOT WITH TRIM CONDITION



CORNER TRIM



DOOR & WINDOW JAMB / HEADER TRIM

SOLID
STEEL BUILDINGS

7620 MEADOW RUN LANE

90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23 REVISION: 0

ENG: IRM DWN: BJC APPD: IRM

F.O. 27080

7620 MEADOW RUN LANE

CITY: OWINGS

ST / PV: MD

REVISION HISTORY

DATE

DESCRIPTION

REV.

DESCRIPTION

DRAWING STATUS

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4/28/23

SD150 SCREW (1'-0" O/C) WALL PANEL TO JAMB

WINDOW JAMB

IEF5B JAMB / SILL TRIM

WINDOW SILL

WALL PANEL

SD150 SCREW (1'-0" O/C) WALL PANEL TO WINDOW SILL

WINDOW JAMB / SILL TRIM

* # = JAMB / HEADER DEPTH

SD150 SCREW (1'-0" O/C) WALL PANEL TO HEADER

WINDOW OR DOOR JAMB

WALL PANEL

IWF5D DRIP CAP

SD150 SCREW (1'-0" O/C) WALL PANEL TO DOOR JAMB

* DELJ#A JAMB / HEADER COVER TRIM

FST#14 (2'-0" O/C - TYP) JAMB / HEADER COVER TO JAMB / HEADER

IEF5B JAMB TRIM

DOOR & WINDOW DELUXE JAMB TRIM

* IEF5B REPLACED BY IEF5BX FOR ROOF PITCHES >1:12.

FST#4 SCREW (1'-0" O/C) SOFFIT TRIM TO WALL PANEL

SOFFIT PANEL

*SOFFIT TRIM

OUTSIDE CLOSURE

WALL PANEL

FST#4 SCREW (1'-0" O/C) SOFFIT TO SOFFIT TRIM

SOFFIT AT BUILDING EAVE

FOR TRIM NAME DESIGNATIONS
= ROOF PITCH (IN INCHES)
= TRIM LENGTH IN FEET

FST#4 SCREW (8) PER PANEL

SD150 SCREW (2) PER STRAP

USNWSTP SNOW GUTTER STRAP (2'-0" O/C)

1"X1/8"X2" MASTIC

ROOF PANEL

#SSGT## SNOW GUTTER

FST#4 SCREW (2) PER PANEL GUTTER TO ROOF PANEL

SNOW GUTTER AT OPEN WALL

GUTTER

GUTTER CAP

(10) FST#14 POP RIVETS

GUTTER CAP INSTALLATION

FOR TRIM NAME DESIGNATIONS
= ROOF PITCH (IN INCHES)
= TRIM "FACE" LENGTH IN DECIMAL IN

ITT-1A TRANSITION TRIM

SD150 SCREW (6" O/C) WALL PANEL TO TRANSITION GIRT

WALL PANEL

TEK1 SCREW (1'-0" O/C) TRANSITION ANGLE TO TRANSITION GIRT

ANG82 TRANSITION ANGLE

TRANSITION GIRT

ROOF / WALL INTERSECTION

SD150 SCREW (6" O/C) WALL PANEL TO TRANSITION GIRT

WALL PANEL

6-12" (HIGH OF LOW SYSTEM)

FST#4 SCREW (6" O/C) TRANSITION TRIM TO ROOF PANEL

ROOF PANEL

OUTSIDE CLOSURE

MASTIC TAPE

* IEF5B WALL PANEL CAP TRIM

* NOT PROVIDED AT CANOPY WITH SOFFIT, OR AT LEAN-TO BUILDING WITH ROOF LINER PANEL.

LOW EAVE EXTENSION TRIM

* NOT SUPPLIED WITH BUILDING

* TUBE SEALANT

INSIDE METAL CLOSURE

TOP EAVE STRUT COVER

SS-R2 RAKE TRIM

(4) FST#14 (POP RIVETS)

IRF-CL(L/R) RAKE CLOSURE

BOTTOM EAVE STRUT COVER

RAKE CLOSURE AT EAVE EXTENSION

* 3 PER TRIM - TRIM TO EAVE PLATE - INSTALL MASTIC OVER FST#14. (FST#14 HOLDS TRIM UNTIL ROOF PANEL SCREWS ARE INSTALLED).

FOR TRIM NAME DESIGNATIONS
= ROOF PITCH (IN INCHES)
= PART LENGTH (IN FEET)

USNWSTP SNOW GUTTER STRAP (2'-0" O/C)

SD150 SCREW (2) PER STRAP

1"X1/8" MASTIC TAPE

SD150 SCREW (8) PER PANEL

*FST#14

#SSGT## GUTTER

FST#4 SCREW (2) PER PANEL GUTTER TO ROOF PANEL

#BET EAVE TRIM

ROOF PANEL

SNOW GUTTER

(FIELD ASSEMBLY OF CORNER BOX REQUIRED)

ROOF PANEL

GUTTER

SS-R1 RAKE TRIM

SIDEWALL PANEL

SS-CB1A(L/R) CORNER BOX

FST#14 (12) PER CORNER BOX

ENDWALL PANEL

CORNER BOX INSTALLATION

SEE STANDARD GUTTER DETAILS

FST#14 (4) PER OUTLET

ELBOW

DOWNSPOUT

DOWNSPOUT STRAP (1) PER SPLICE AND (1) AT BUILDING BASE

TEK1 SCREW (1) PER STRAP

DOWNSPOUT

DOWNSPOUT AND ELBOWS AT EAVE ROOF EXTENSION

SD150 SCREW (1'-0" O/C) RAKE TRIM TO ROOF PANEL

ROOF PANEL

SS-R1 RAKE TRIM

1"X1/8" MASTIC TAPE

RAKE SUPPORT ANGLE

RAKE ANGLE

WALL PANEL

FST#4 SCREW (1'-0" O/C) RAKE TRIM TO WALL PANEL

OUTSIDE CLOSURE (OPTIONAL)

RAKE TRIM (ROOF SURFACES <= 90' 0 EAVE TO PEAK)



7620 MEADOW RUN LANE
90'-0" x 150'-0" x 20'-0"

DATE: 3/30/23
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F.O. 27080

7620 MEADOW RUN LANE

DRAWING STATUS		REVISION HISTORY	
CITY: OWINGS	ST / PV: MD	DATE	
REV.	DESCRIPTION		
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FOR CONSTRUCTION: FINAL DRAWINGS.			

STATE OF MARYLAND

T. JAMES EISENMAN, JR.

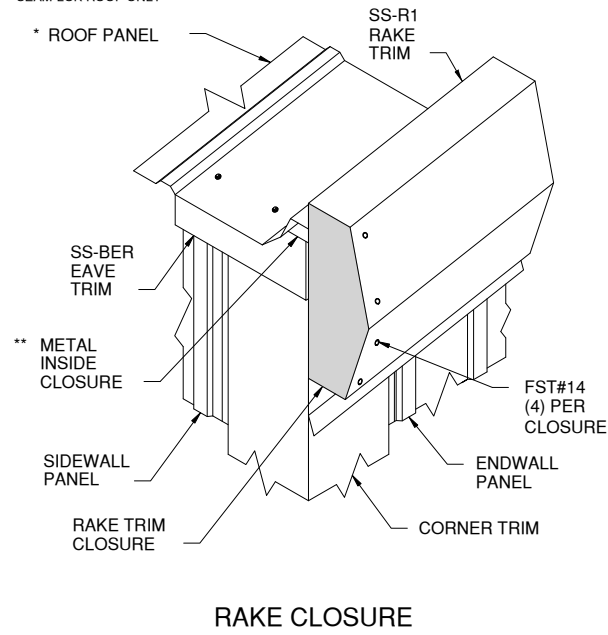
PROFESSIONAL ENGINEER

No. 30830

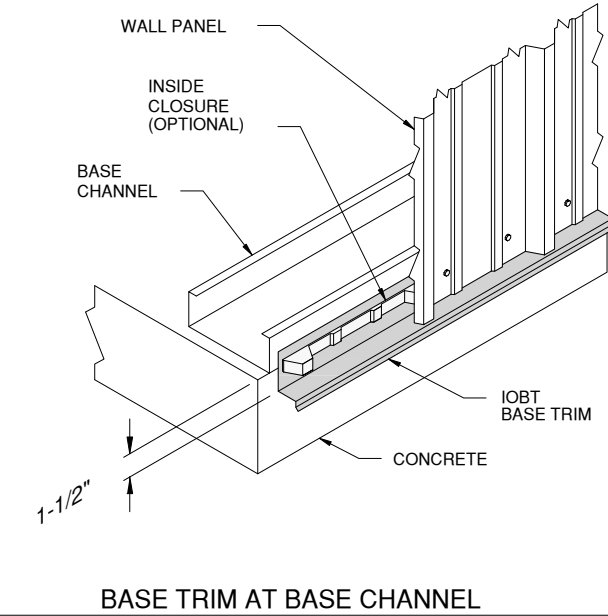
4/28/23

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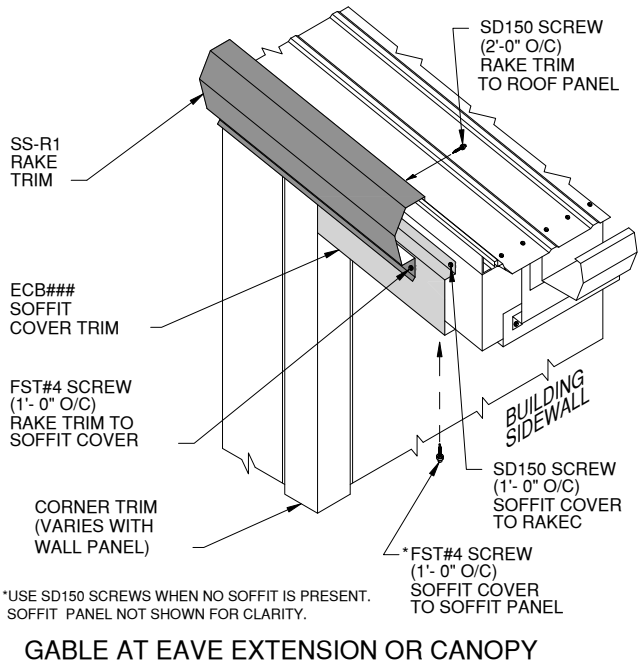
*CAN BE SEAM-LOK OR VERTICAL-LOK
**SEAM-LOK ROOF ONLY



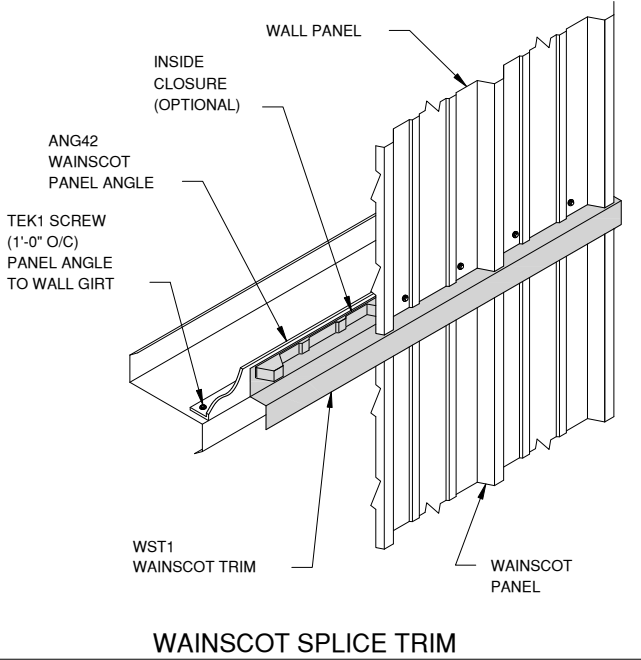
RAKE CLOSURE



BASE TRIM AT BASE CHANNEL

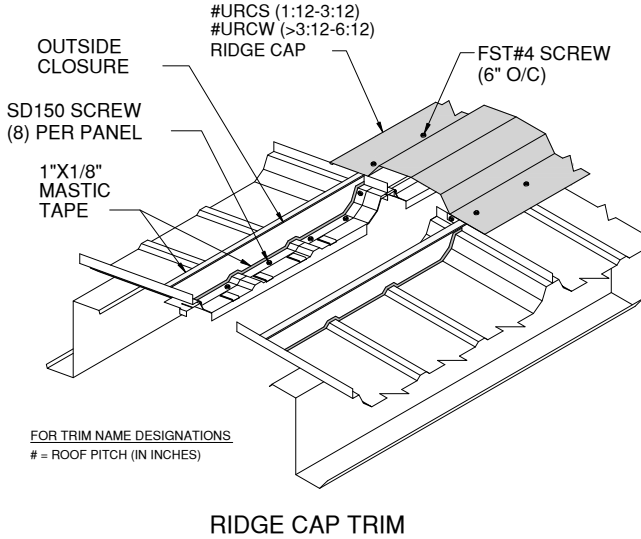


GABLE AT EAVE EXTENSION OR CANOPY

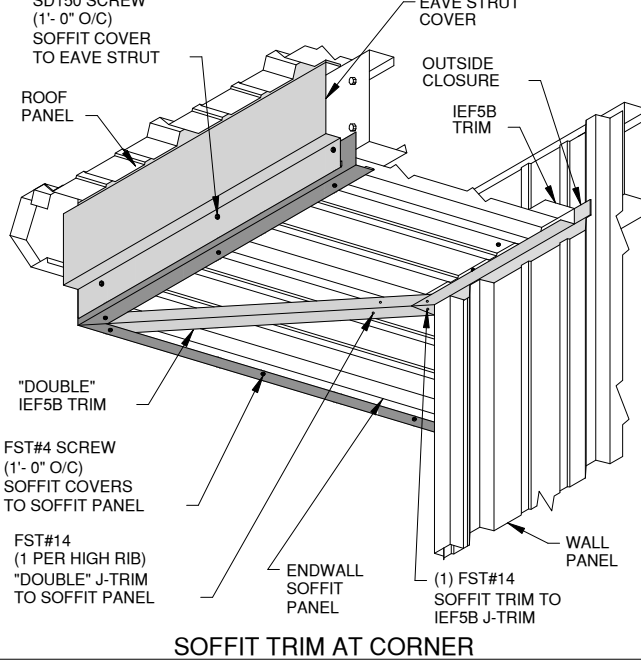


WAINSCOT SPLICE TRIM

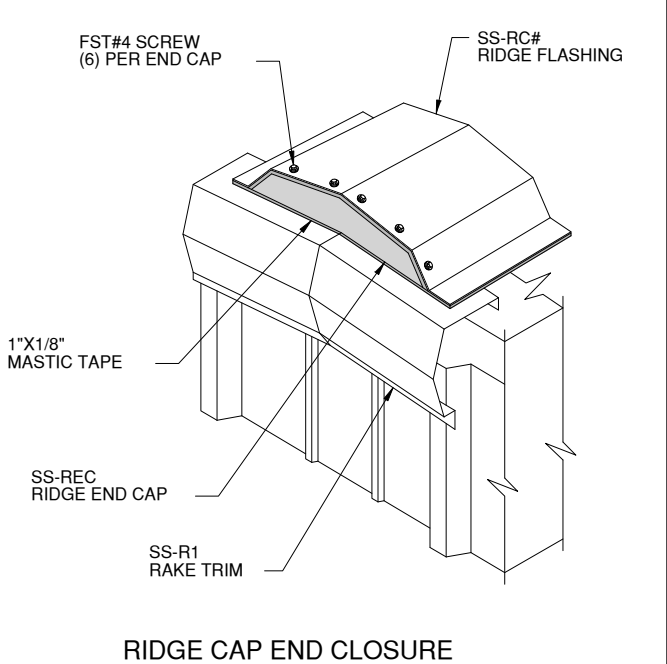
NOTE(S):
1) INSTALL THE RIDGE FLASHING STARTING AND ENDING 2-1/2" OUTSIDE THE STEEL LINE.
2) LEAVE 6" UNFASTENED ON EACH END TO ALLOW THE RAKE TRIM TO BE INSTALLED LATER.
3) DO NOT INSTALL THE FST#4 SCREWS FOR THE RIDGE CAP THROUGH THE LOCK OF THE STANDING SEAM.



RIDGE CAP TRIM



SOFFIT TRIM AT CORNER



RIDGE CAP END CLOSURE



7620 MEADOW RUN LANE

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7620 MEADOW RUN LANE

CITY: OWINGS ST / PV: MD

REVISION HISTORY

REV.	DESCRIPTION	DATE
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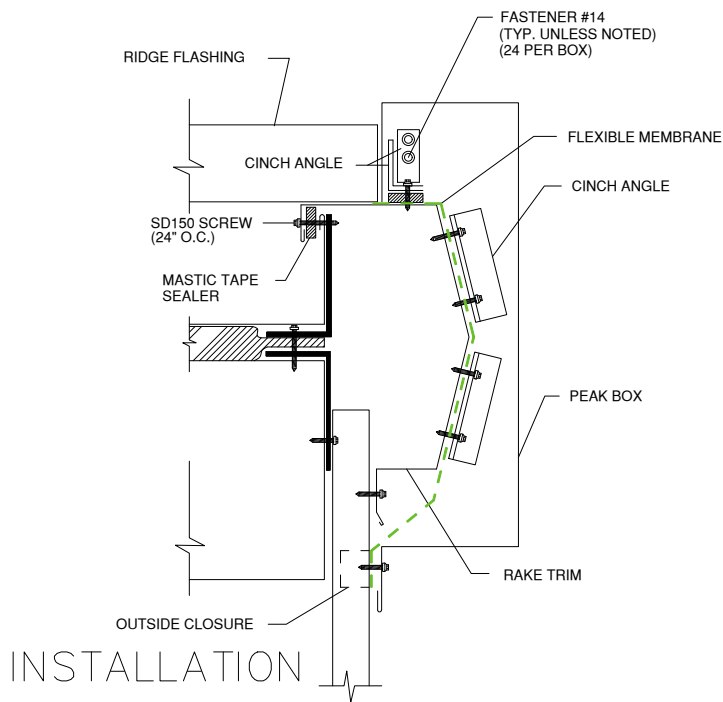
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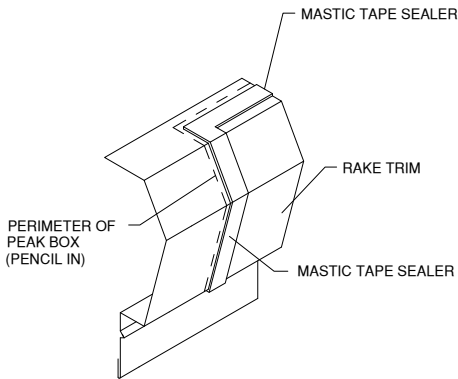


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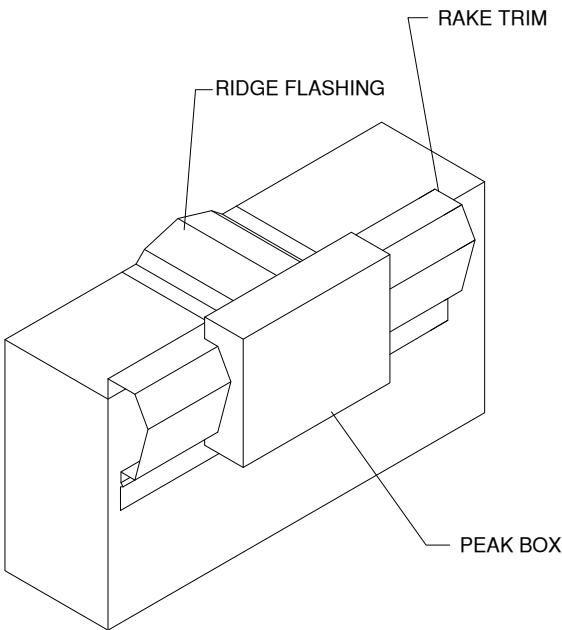
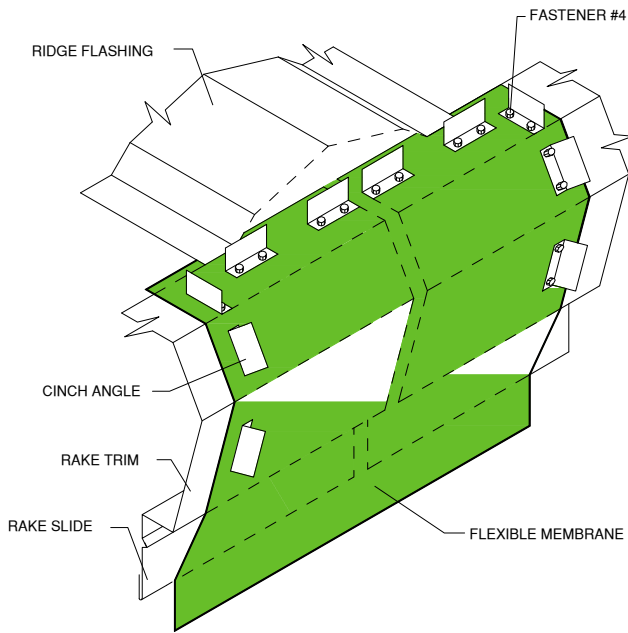
TRIM DETAILS
PEAK BOX INSTALLATION
SEAM-LOK



INSTALLATION



PEAK BOX



1. Install rake trim on each side of ridge to within 1" of centerline of building.
2. Install ridge flashing so that it is on the top leg of rake trim, 2" back from outside edge.
3. Temporarily set peak box in place and mark perimeter of box on rake trim. Remove peak box.
4. Just inside mark, install tape sealer continuously across the top of rake trim, then down the face of the rake trim on both sides of ridge.
5. Place flexible membrane over tape sealer and hold in place with cinch angles. Cinch angles should be attached with fastener #4. To prevent leaks, flexible membrane should be tight against rake trim with no wrinkles at the sealed edges.
6. Hook top of peak box over cinch angles installed on top of rake trim and attach bottom of peak box to endwall with fastener #4.



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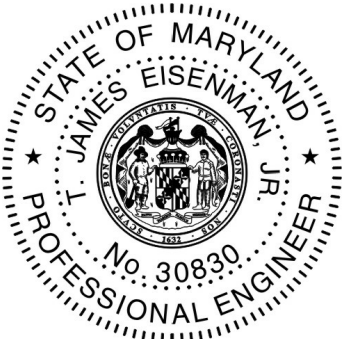
7620 MEADOW RUN LANE

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REV.	DESCRIPTION	REV.	DESCRIPTION

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