DESIGN CRITERIA:

BUILDING CODE:	INTERNATIONAL BUILDING CODE; 2018 EDITION
RISK CATEGORY:	II
SNOW IMPORTANCE FACTOR (Is):	1.00
WIND IMPORTANCE FACTOR (Iw):	1.00
SEISMIC IMPORTANCE FACTOR (Ie):	1.00
DEAD LOAD:	SELF WT. OF STRUCTURE, AS IT OCCURS IN THIS DESIGN
LIVE LOAD (ROOF):	20.0 PSF, REDUCIBLE PER CODE PROVISIONS
GROUND SNOW LOAD:	100.0 PSF (Pg) NON-REDUCIBLE
FLAT ROOF SNOW LOAD:	1.0
COLLATERAL LOAD:	5.0 PSF
ROOF RAIN LOAD DATA	i = 3.75 IN. PER HR.

DESIGN WIND LOAD:

BASIC DESIGN WIND SPEED V =	115 MPH
ALLOWABLE STRESS DESIGN WIND SPEED	Vasd=89.3 MPH
COMPONENT & CLADDING WIND LOAD	27 PSF
WIND EXPOSURE CATEGORY	C

DESIGN SEISMIC LOAD:

RISK CATEGORY II
SEISMIC DESIGN CATEGORY B
MAPPED RESPONSE ACCELERATION PARAMETERS: Ss=.071 S1=.029
SOIL SITE CLASS: D
MAXIMUM RESPONSE ACCELERATION PARAMETERS: Sms=.113 Sm1=.069
DESIGN RESPONSE ACCELERATION PARAMETERS: Sds=.075 Sd1=.046
SEISMIC IMPORTANCE FACTOR-Ie 1.0
RESPONSE MODIFICATION COEFFICENT-R = 3.5, DEFLEC. AMPL. FACTOR-Cd =3.0
SEISMIC DESIGN CATEGORY B
SEISMIC RESPONSE COEFFICENT-Cs 0.0214
SEISMIC BASE SHEAR (TOTAL) Cs x DL = 0.0214 X 9.17K= 1.96K
SEISMIC FORCE RESISTING SYSTEMS- STEEL ORDINARY MOMENT FRAME, PBR PANEL DIAPHRAGM ACTION & E.H.S. CABLE BRACING SYSTEM.
ANALYSIS PROCEDURE- EQUIVALENT LATERAL FORCE

RESTRICTIONS ON LOADING

IT SHALL BE UNLAWFUL TO PLACE, OR CAUSE OR PERMIT TO BE PLACED, ON ANY FLOOR OR ROOF OF A BUILDING STRUCTURE, OR PORTION THEREOF, A LOAD GREATER THAN IS PERMITTED BY THIS REQUIREMENTS.

NOTE: THIS DESIGN ASSUMES THAT ALL DOORS AND WINDOWS ARE DESIGNED TO MEET THE 105 MPH WIND LOAD REQUIREMENT AND IF THIS REQUIREMENT IS NOT MET, THEN THE ENGINEERING CERTIFICATION IS VOID.

BUILDINGS' DESIGN

DRAWING SCHEDULE

WELDING NOTES:

ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS REQUIRED. ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS.

WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.

NOTE: CERTIFICATION CERTIFICATES FOR ALL WELDERS ON THIS PROJECT SHALL BE FURNISHED BY THE BUILDING ERECTORS.

DIMENSIONING NOTES:

ALL DIMENSIONS SHOWN MUST BE VERIFIED BEFORE BEGINNING FABRICATION. FIELD MEASUREMENTS MAY BE REQUIRED.

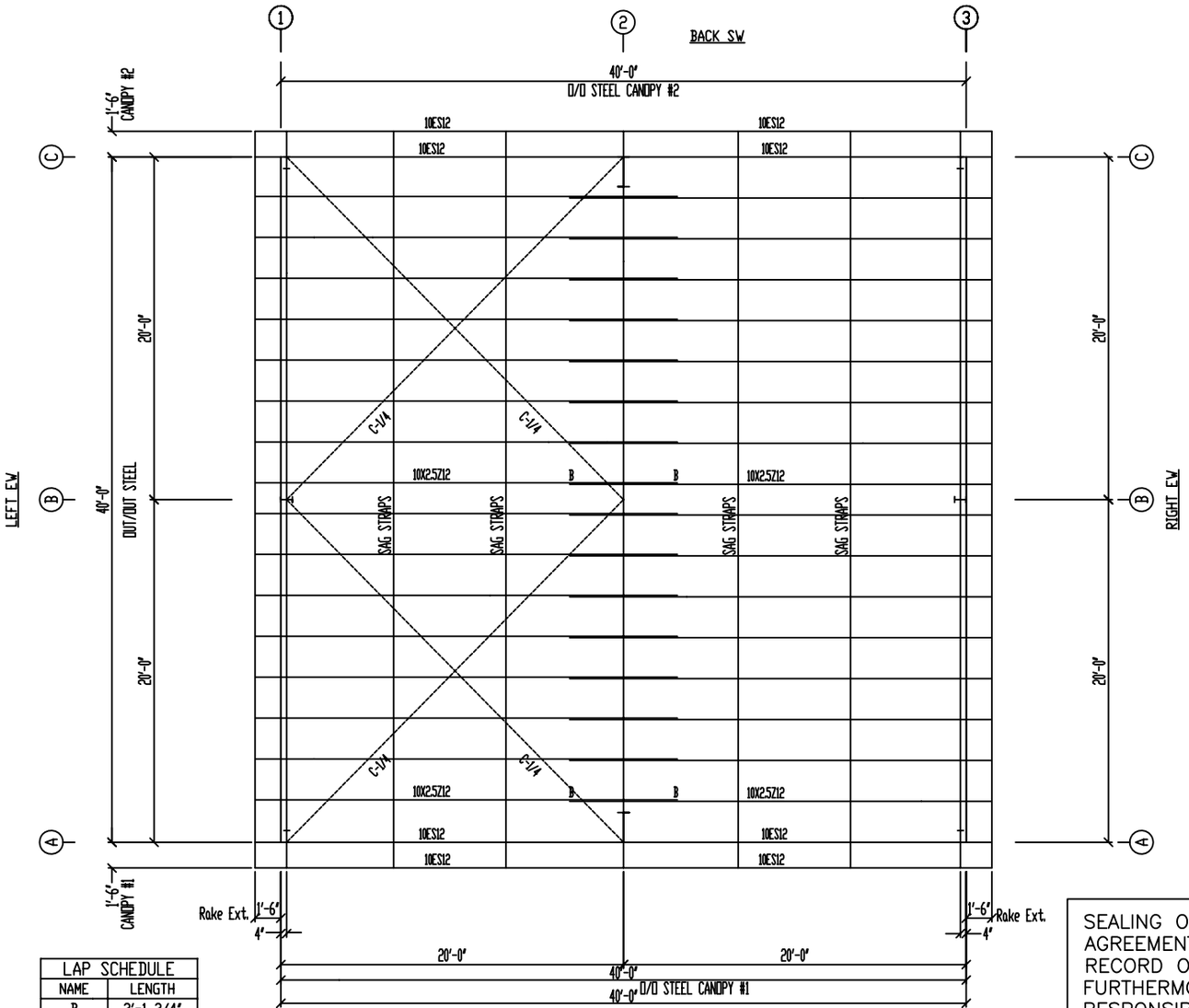
SEALING OF THESE DRAWINGS DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR AS THE DESIGN PROFESSIONAL FOR THIS PROJECT. FURTHERMORE, SEALING OF THESE DRAWINGS DOES NOT IMPLY RESPONSIBILITY FOR ANY AREA EXCEPT FOR THE STRUCTURAL STEEL AS SHOWN ON THESE DRAWINGS.

Big Country Steel Systems, LLC
P.O. BOX 1115/1118 PR 5071
Clyde, TX. 79510
(325) 893-5368

BUILDING COVER & SPEC.S	BUILDER: BIG COUNTRY STEEL SYSTEMS		
DRN.BY: JPH	CUSTOMER: SWEETWATER STEEL	CKD.BY:	
DATE: 6/8/2022	LOCATION: STEAMBOAT, COLORADO ROUTT COUNTY	DATE: 6-8-2022	
	JOB NO: SW 40'X40'X13' 6/12 (FIELD WELD UP BUILDING)	DWG.NO: C1	

WELDING NOTES:

ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS REQUIRED. ALL FIELD WELDING MUST FULLY DEVELOP THE STRENGTH CAPACITY OF THE CONNECTED MEMBERS. ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.



ROOF PLAN VIEW (N.T.S.)

LAP SCHEDULE	
NAME	LENGTH
B	3'-1 3/4"

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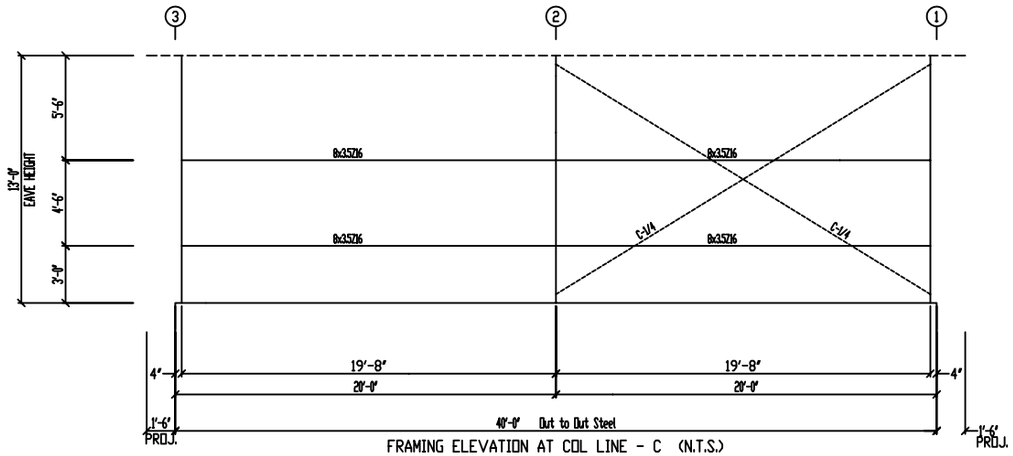
Big Country Steel Systems, LLC
P.O. BOX 1115/1118 PR 5071
Clyde, TX. 79510
(325) 893-5368

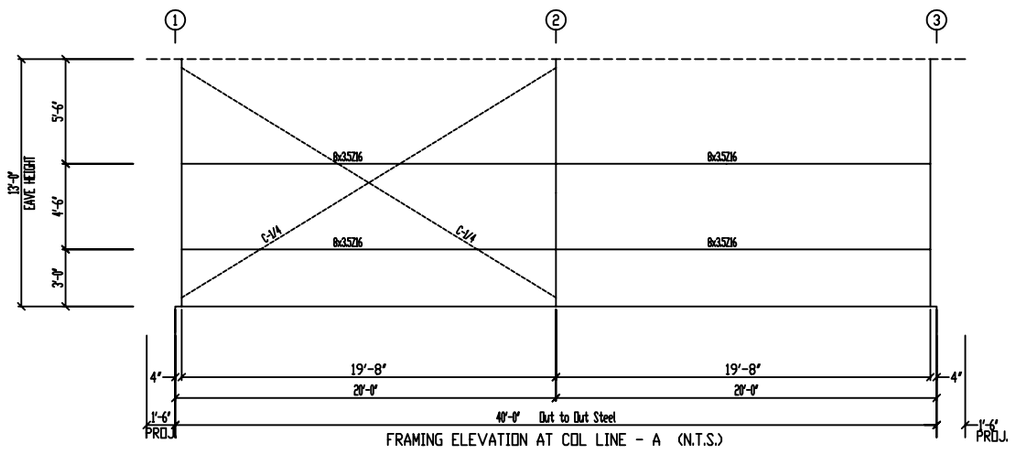
BUILDING PLAN VIEW	BUILDER: BIG COUNTRY STEEL SYSTEMS		
DRN.BY: JPH	CUSTOMER: SWEETWATER STEEL		CKD.BY:
DATE: 6/8/2022	LOCATION: STEAMBOAT, COLORADO ROUTT COUNTY		DATE: 6-8-2022
	JOB NO: SW 40'X40'X13' 6/12 (FIELD WELD UP BUILDING)		DWG.NO: S1

WELDING NOTES:

ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS REQUIRED. ALL FIELD WELDING MUST FULLY DEVELOP THE STRENGTH CAPACITY OF THE CONNECTED MEMBERS. ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.



FRAMING ELEVATION AT COL LINE - C (N.T.S.)



FRAMING ELEVATION AT COL LINE - A (N.T.S.)

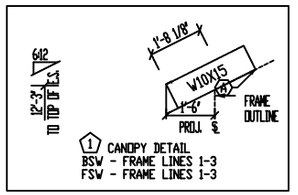
SEALING OF THESE DRAWINGS DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR AS THE DESIGN PROFESSIONAL FOR THIS PROJECT. FURTHERMORE, SEALING OF THESE DRAWINGS DOES NOT IMPLY RESPONSIBILITY FOR ANY AREA EXCEPT FOR THE STRUCTURAL STEEL AS SHOWN ON THESE DRAWINGS.

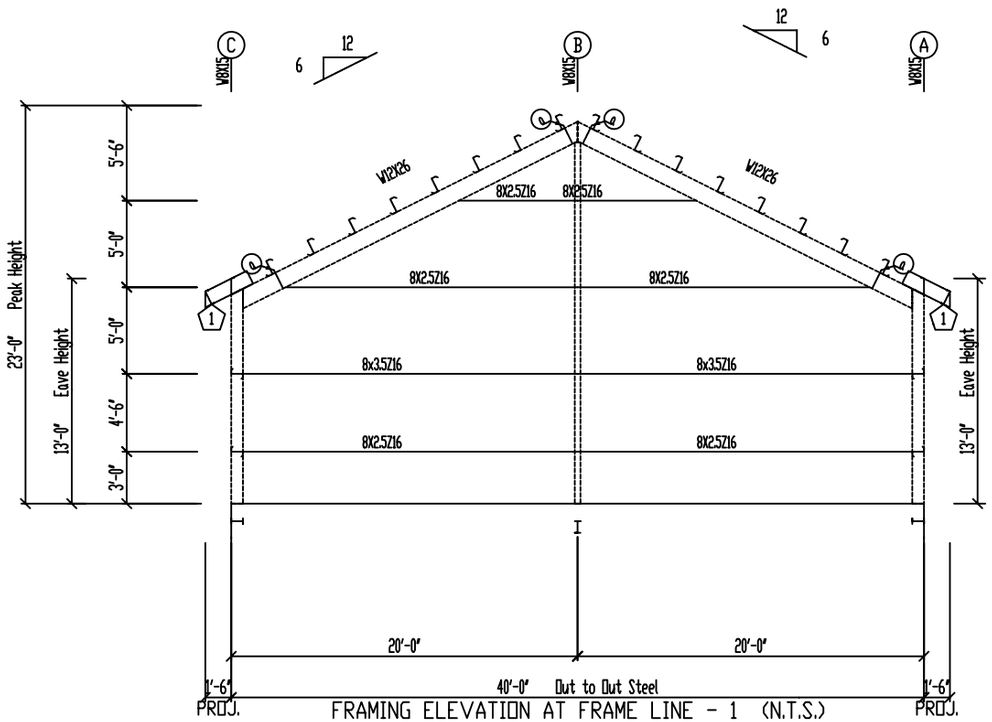
Big Country Steel Systems, LLC
P.O. BOX 1115/1118 PR 5071
Clyde, TX. 79510
(325) 893-5368

BUILDING SIDEWALL ELEV.S	BUILDER: BIG COUNTRY STEEL SYSTEMS	
DRN.BY: JPH	CUSTOMER: SWEETWATER STEEL	CKD.BY:
DATE: 6/8/2022	LOCATION: STEAMBOAT, COLORADO ROUTT COUNTY	DATE: 6-8-2022
	JOB NO: SW 40'X40'X13' 6/12 (FIELD WELD UP BUILDING)	DWG.NO: S2

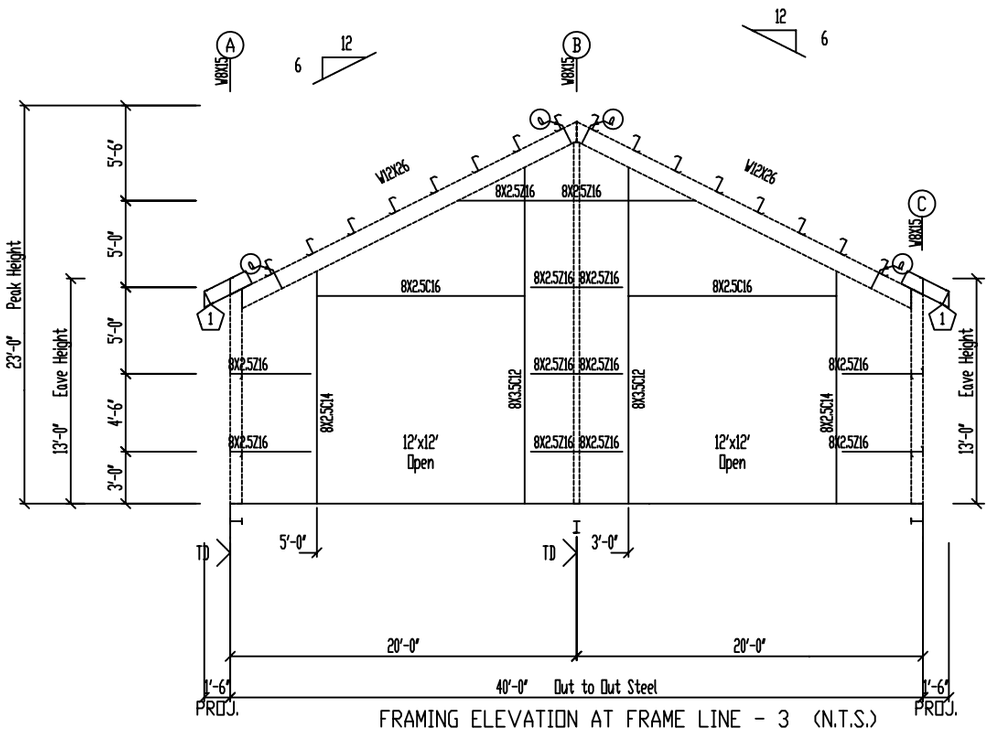
WELDING NOTES:

ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS REQUIRED. ALL FIELD WELDING MUST FULLY DEVELOP THE STRENGTH CAPACITY OF THE CONNECTED MEMBERS. ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.





FRAMING ELEVATION AT FRAME LINE - 1 (N.T.S.)



FRAMING ELEVATION AT FRAME LINE - 3 (N.T.S.)

FLANGE BRACE SCHEDULE	
SYMB	SIZE
ⓐ	L2 1/2X2 1/2X1/4

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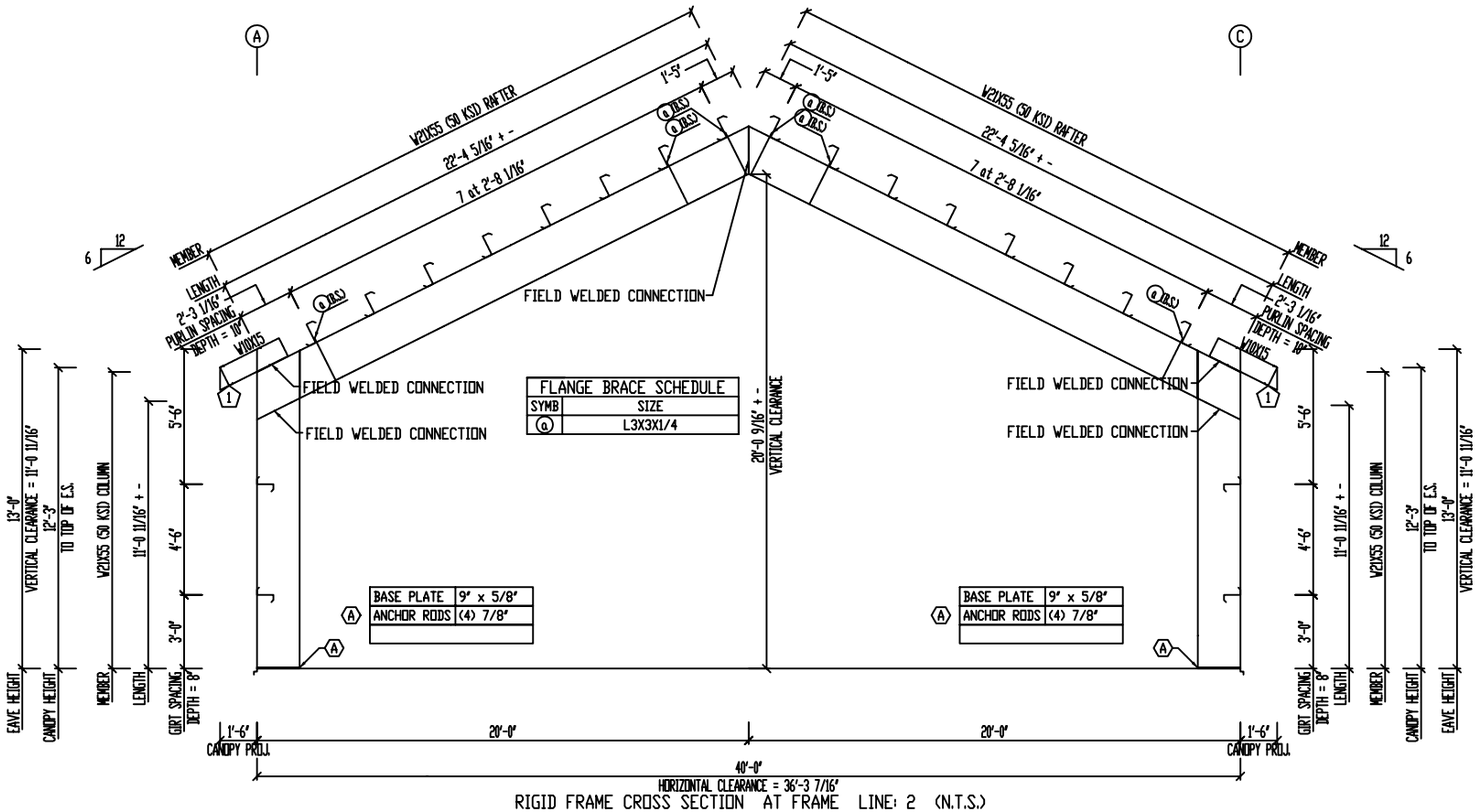
Big Country Steel Systems, LLC
P.O. BOX 1115/1118 FM 5071
Clyde, TX. 79510
(325) 893-5368

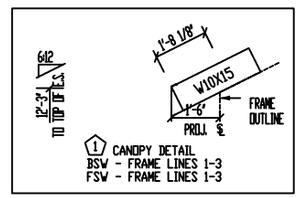
BUILDING ENDWALL ELEV.S	BUILDER: BIG COUNTRY STEEL SYSTEMS	
DRN.BY: JPH	CUSTOMER: SWEETWATER STEEL	CKD.BY:
DATE: 6/8/2022	LOCATION: STEAMBOAT, COLORADO ROUTT COUNTY	DATE: 6-8-2022
	JOB NO: SW 40'X40'X13' 6/12 (FIELD WELD UP BUILDING)	DWG.NO: S3

WELDING NOTES:

ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS REQUIRED. ALL FIELD WELDING MUST FULLY DEVELOP THE STRENGTH CAPACITY OF THE CONNECTED MEMBERS. ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.



RIGID FRAME CROSS SECTION AT FRAME LINE: 2 (N.T.S.)



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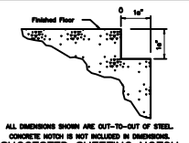
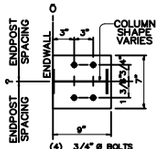
Big Country Steel Systems, LLC
P.O. BOX 1115/1118 PR 5071
Clyde, TX. 79510
(325) 893-5368

BUILDING RIGID FRAME SECTION	BUILDER: BIG COUNTRY STEEL SYSTEMS		
DRN.BY: JPH	CUSTOMER: SWEETWATER STEEL		CKD.BY:
DATE: 6/8/2022	LOCATION: STEAMBOAT, COLORADO ROUTT COUNTY		DATE: 6-8-2022
	JOB NO: SW 40'X40'X13' 6/12 (FIELD WELD UP BUILDING)		DWG.NO: S4

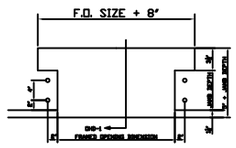
ANCHOR ROD SCHEDULE		
QTY	DIAMETER	PROJ.
8	1/2"	1 1/2"
16	3/4"	2 1/2"
8	7/8"	2 1/2"

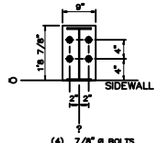


SUGGESTED SHEETING NOTCH IN CONCRETE

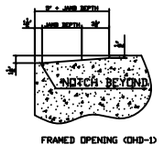


ABEW03



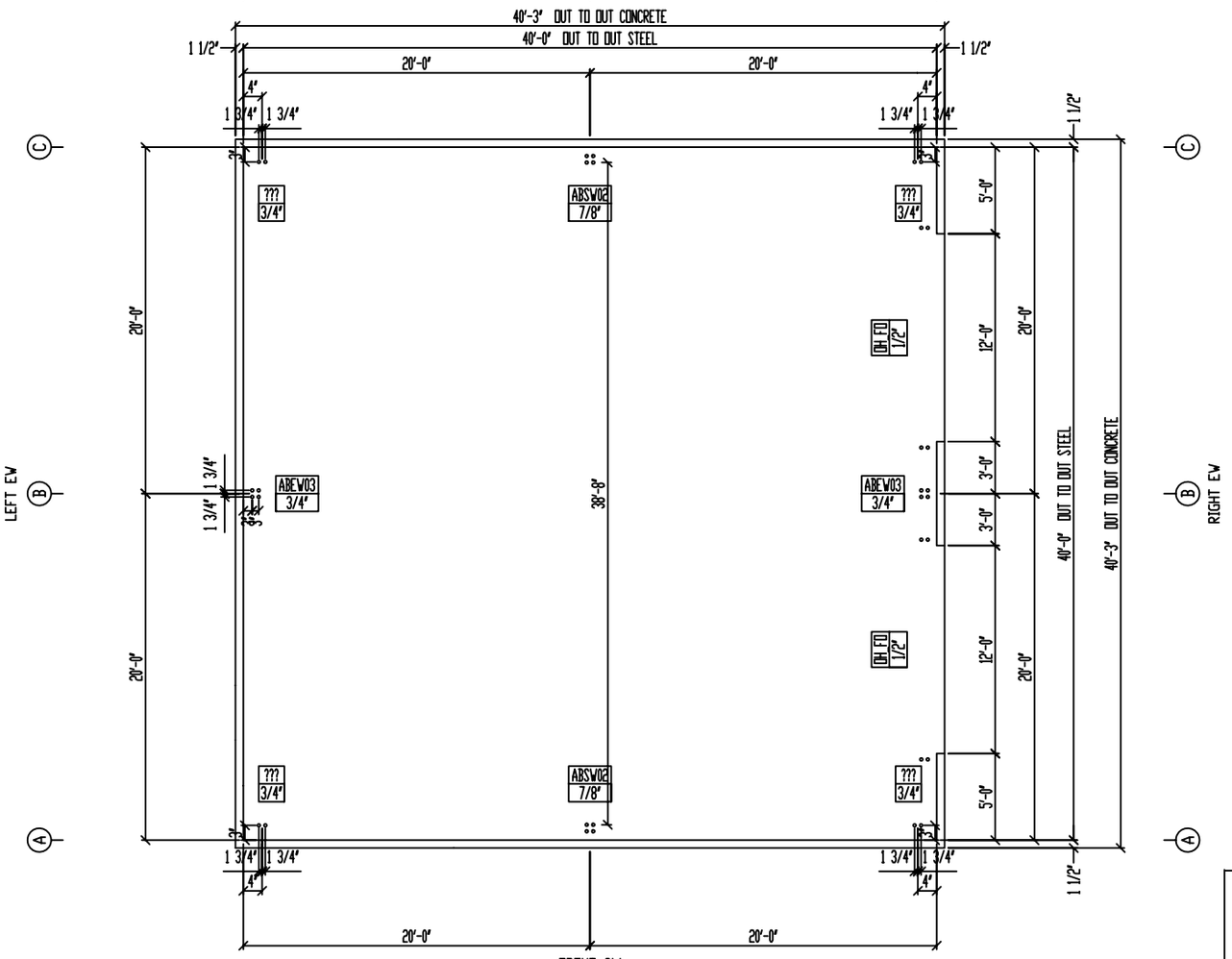


ABSW02



OH_FO

BACK SW

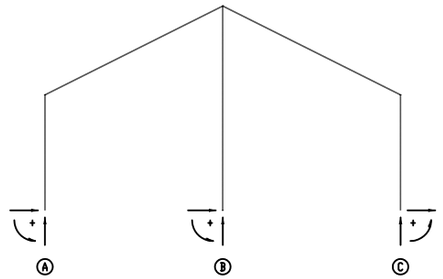


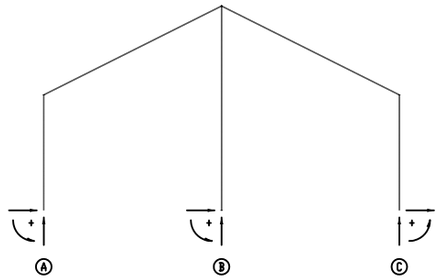
ANCHOR ROD PLAN (N.T.S.)
FINISHED FLOOR ELEVATION = 100'0"
BASE PLATE ELEVATION = 100'0" UNLESS OTHERWISE NOTED

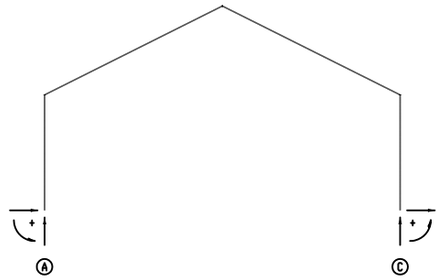
SEALING OF THESE DRAWINGS DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR AS THE DESIGN PROFESSIONAL FOR THIS PROJECT. FURTHERMORE, SEALING OF THESE DRAWINGS DOES NOT IMPLY RESPONSIBILITY FOR ANY AREA EXCEPT FOR THE STRUCTURAL STEEL AS SHOWN ON THESE DRAWINGS.

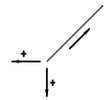
Big Country Steel Systems, LLC
P.O. BOX 1115/1118 PR 5071
Clyde, TX. 79510
(325) 893-5368

BUILDING ANCHOR ROD PLAN	BUILDER:	BIG COUNTRY STEEL SYSTEMS	
DRN.BY: JPH	CUSTOMER:	SWEETWATER STEEL	CKD.BY:
DATE: 6/8/2022	LOCATION:	STEAMBOAT, COLORADO ROUTT COUNTY	DATE: 6-8-2022
	JOB NO: SW 40'X40'X13' 6/12 (FIELD WELD UP BUILDING)		DWG.NO: S5









ENDWALL FRAME LINE(S): 1				
LOAD DESCRIPTION	COLUMN ROW	HORZ (Kips)	VERT (Kips)	MOMENT (K-Ft)
DL	A	0.00	1.09	0.00
DL	B	0.00	1.96	0.00
DL	C	0.00	1.09	0.00
LL	A	0.00	2.32	0.00
LL	B	0.00	4.00	0.00
LL	C	0.00	2.32	0.00
SL	A	0.00	14.97	0.00
SL	B	0.00	22.78	0.00
SL	C	0.00	14.97	0.00
COL	A	0.00	0.59	0.00
COL	B	0.00	0.99	0.00
COL	C	0.00	0.59	0.00
WL+	A	-1.53	-4.79	0.00
WL+	B	-5.00	-8.12	0.00
WL+	C	-1.53	-4.79	0.00
WL-	A	1.68	-4.79	0.00
WL-	B	5.57	-8.12	0.00
WL-	C	1.68	-4.79	0.00
UBL	A	0.00	3.97	0.00
UBL	B	0.00	17.38	0.00
UBL	C	0.00	15.74	0.00
UBR	A	0.00	15.74	0.00
UBR	B	0.00	17.38	0.00
UBR	C	0.00	3.97	0.00
AL11_1	A	0.00	2.01	0.00
AL11_1	B	0.00	2.01	0.00
AL11_1	C	0.00	0.00	0.00
AL12_2	A	0.00	0.00	0.00
AL12_2	B	0.00	2.01	0.00
AL12_2	C	0.00	2.01	0.00
AL21_2	A	0.00	2.01	0.00
AL21_2	B	0.00	4.02	0.00
AL21_2	C	0.00	2.01	0.00
DL + SL + COL	A	0.00	16.64	0.00
DL + SL + COL	B	0.00	25.74	0.00
DL + SL + COL	C	0.00	16.64	0.00
0.6DL + 0.6WL-	A	1.01	-2.22	0.00
0.6DL + 0.6WL-	B	3.34	-3.70	0.00
0.6DL + 0.6WL-	C	1.01	-2.22	0.00
DL + UBL + COL	A	0.00	5.64	0.00
DL + UBL + COL	B	0.00	20.34	0.00
DL + UBL + COL	C	0.00	17.41	0.00
DL + UBR + COL	A	0.00	17.41	0.00
DL + UBR + COL	B	0.00	20.34	0.00
DL + UBR + COL	C	0.00	5.64	0.00

ENDWALL FRAME LINE(S): 3				
LOAD DESCRIPTION	COLUMN ROW	HORZ (Kips)	VERT (Kips)	MOMENT (K-Ft)
DL	A	0.00	1.09	0.00
DL	B	0.00	1.96	0.00
DL	C	0.00	1.09	0.00
LL	A	0.00	2.32	0.00
LL	B	0.00	4.00	0.00
LL	C	0.00	2.32	0.00
SL	A	0.00	14.97	0.00
SL	B	0.00	22.78	0.00
SL	C	0.00	14.97	0.00
COL	A	0.00	0.59	0.00
COL	B	0.00	0.99	0.00
COL	C	0.00	0.59	0.00
WL+	A	-1.53	-4.79	0.00
WL+	B	-5.00	-8.12	0.00
WL+	C	-1.53	-4.79	0.00
WL-	A	1.68	-4.79	0.00
WL-	B	5.57	-8.12	0.00
WL-	C	1.68	-4.79	0.00
UBL	A	0.00	3.97	0.00
UBL	B	0.00	17.38	0.00
UBL	C	0.00	15.74	0.00
UBR	A	0.00	15.74	0.00
UBR	B	0.00	17.38	0.00
UBR	C	0.00	3.97	0.00
AL11_1	A	0.00	2.01	0.00
AL11_1	B	0.00	2.01	0.00
AL11_1	C	0.00	0.00	0.00
AL12_2	A	0.00	0.00	0.00
AL12_2	B	0.00	2.01	0.00
AL12_2	C	0.00	2.01	0.00
AL21_2	A	0.00	2.01	0.00
AL21_2	B	0.00	4.02	0.00
AL21_2	C	0.00	2.01	0.00
DL + SL + COL	A	0.00	16.64	0.00
DL + SL + COL	B	0.00	25.74	0.00
DL + SL + COL	C	0.00	16.64	0.00
0.6DL + 0.6WL-	A	1.01	-2.22	0.00
0.6DL + 0.6WL-	B	3.34	-3.70	0.00
0.6DL + 0.6WL-	C	1.01	-2.22	0.00
DL + UBL + COL	A	0.00	5.64	0.00
DL + UBL + COL	B	0.00	20.34	0.00
DL + UBL + COL	C	0.00	17.41	0.00
DL + UBR + COL	A	0.00	17.41	0.00
DL + UBR + COL	B	0.00	20.34	0.00
DL + UBR + COL	C	0.00	5.64	0.00

FRAME LINE(S): 2				
LOAD DESCRIPTION	COLUMN ROW	HORZ (Kips)	VERT (Kips)	MOMENT (K-Ft)
DL	A	1.39	4.77	0.00
DL	C	-1.39	4.77	0.00
COL	A	0.88	2.65	0.00
COL	C	-0.88	2.65	0.00
LL	A	2.08	6.52	0.00
LL	C	-2.13	6.56	0.00
SL	A	17.28	55.93	0.00
SL	C	-17.51	56.07	0.00
WLL	A	-5.44	-7.63	0.00
WLL	C	-2.89	-5.87	0.00
WLR	A	2.89	-5.87	0.00
WLR	C	5.44	-7.64	0.00
UBL	A	14.70	28.84	0.00
UBL	C	-14.85	52.41	0.00
UBR	A	14.70	52.30	0.00
UBR	C	-14.86	28.94	0.00
WLL1	A	0.77	-5.64	0.00
WLL1	C	1.18	-5.34	0.00
WLR1	A	-1.18	-5.34	0.00
WLR1	C	-0.77	-5.64	0.00
WEW	A	-0.80	-12.30	0.00
WEW	C	0.80	-12.30	0.00
SEIL	A	-0.14	-0.12	0.00
SEIL	C	-0.14	0.12	0.00
SEIR	A	0.14	0.12	0.00
SEIR	C	0.14	-0.12	0.00
WLL2	A	-5.44	-3.25	0.00
WLL2	C	-2.89	-1.47	0.00
WLR2	A	2.89	-1.47	0.00
WLR2	C	5.44	-3.25	0.00
WLL3	A	0.77	-10.04	0.00
WLL3	C	1.19	-9.73	0.00
WLR3	A	-1.19	-9.73	0.00
WLR3	C	-0.77	-10.04	0.00
DL+LL+COL	A	4.36	13.94	0.00
DL+LL+COL	C	-4.41	13.97	0.00
DL+UBL+COL	A	16.97	36.26	0.00
DL+UBL+COL	C	-17.13	59.82	0.00
DL+UBR+COL	A	16.97	59.72	0.00
DL+UBR+COL	C	-17.13	36.36	0.00
DL+SL+COL	A	19.56	63.34	0.00
DL+SL+COL	C	-19.79	63.49	0.00
0.60DL+0.60WLL	A	-2.43	-1.72	0.00
0.60DL+0.60WLL	C	-2.57	-0.86	0.00
0.60DL+0.60WEW	A	0.36	-4.52	0.00

FRAME LINE: 1 - COLUMN ROW: C		
LOAD DESCRIPTION	HORZ (Kips)	VERT (Kips)
WLB+	2.21	1.44
SEI+	0.31	0.20

FRAME LINE: 2 - COLUMN ROW: C		
LOAD DESCRIPTION	HORZ (Kips)	VERT (Kips)
WLB-	-2.21	1.44
SEI-	-0.31	0.20

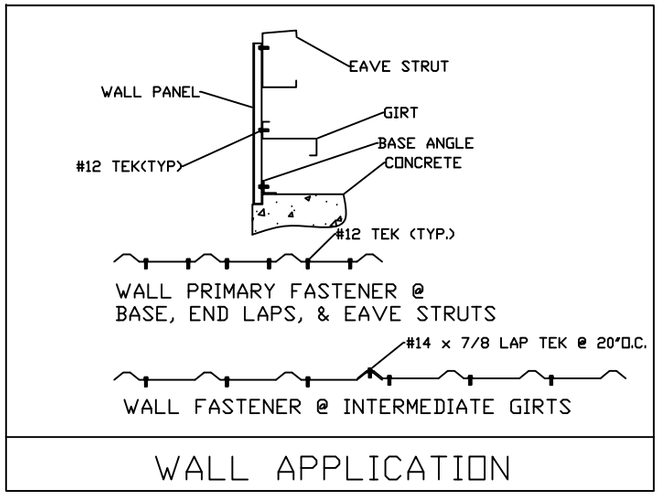
FRAME LINE: 1 - COLUMN ROW: A		
LOAD DESCRIPTION	HORZ (Kips)	VERT (Kips)
WLB+	2.21	1.44
SEI+	0.31	0.20

FRAME LINE: 2 - COLUMN ROW: A		
LOAD DESCRIPTION	HORZ (Kips)	VERT (Kips)
WLB-	-2.21	1.44
SEI-	-0.31	0.20

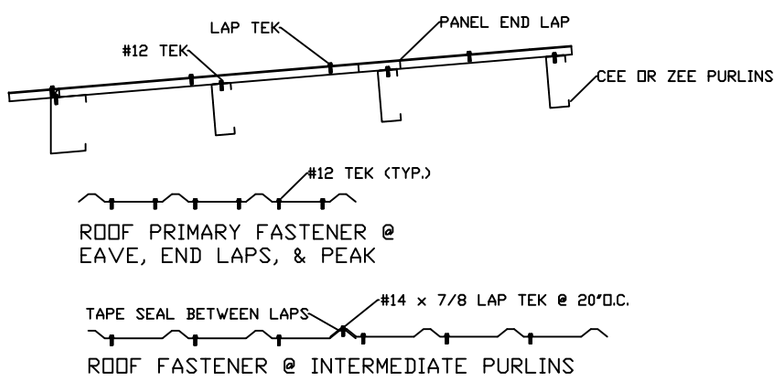
SEALING OF THESE DRAWINGS DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR AS THE DESIGN PROFESSIONAL FOR THIS PROJECT. FURTHERMORE, SEALING OF THESE DRAWINGS DOES NOT IMPLY RESPONSIBILITY FOR ANY AREA EXCEPT FOR THE STRUCTURAL STEEL AS SHOWN ON THESE DRAWINGS.

Big Country Steel Systems, LLC
P.O. BOX 1115/1118 PR 5071
Clyde, TX. 79510
(325) 893-5368

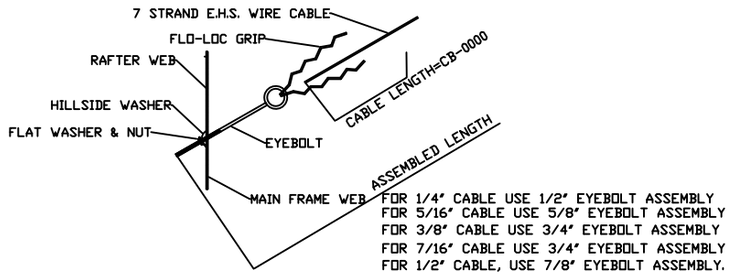
BUILDING EW & RF REACTIONS	BUILDER: BIG COUNTRY STEEL SYSTEMS		
DRN.BY: JPH	CUSTOMER: SWEETWATER STEEL		CKD.BY:
DATE: 6/8/2022	LOCATION: STEAMBOAT, COLORADO ROUTT COUNTY		DATE: 6-8-2022
	JOB NO: SW 40'X40'X13' 6/12 (FIELD WELD UP BUILDING)		DWG.NO: S6



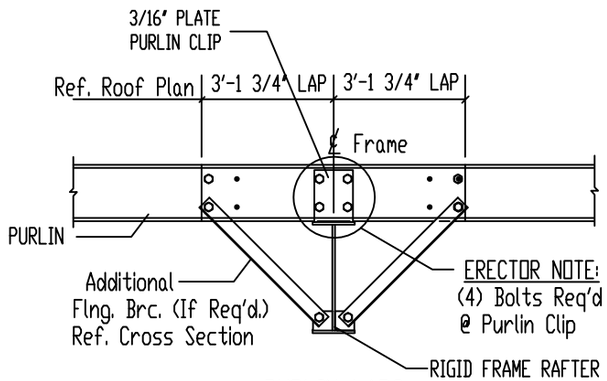
26 GA. PBR WALL PANEL INSTALLATION (N.T.S.)



26 GA. PBR ROOF PANEL INSTALLATION (N.T.S.)

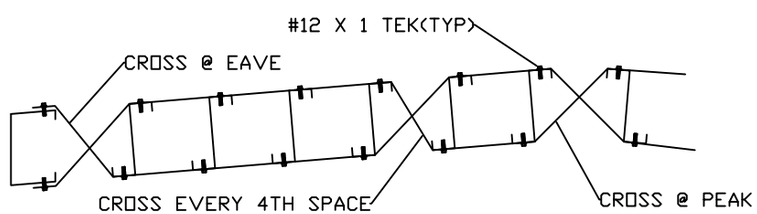


E.H.S. CABLE BRACING SYSTEM DETAILS



PURLIN LAPS

(8 Bolts. Add 2 additional per flng. brc.)



SAG STRAP DETAIL (N.T.S.)

Big Country Steel Systems, LLC
P.O. BOX 1115/1118 PR 5071
Clyde, TX. 79510
(325) 893-5368

BUILDING SATANDARD DETAILS	BUILDER: BIG COUNTRY STEEL SYSTEMS		
DRN.BY: JPH	CUSTOMER: SWEETWATER STEEL		CKD.BY:
DATE: 6/8/2022	LOCATION: STEAMBOAT, COLORADO ROUTT COUNTY		DATE: 6-8-2022
	JOB NO: SW 40'X40'X13' 6/12 (FIELD WELD UP BUILDING)		DWG.NO: S7