

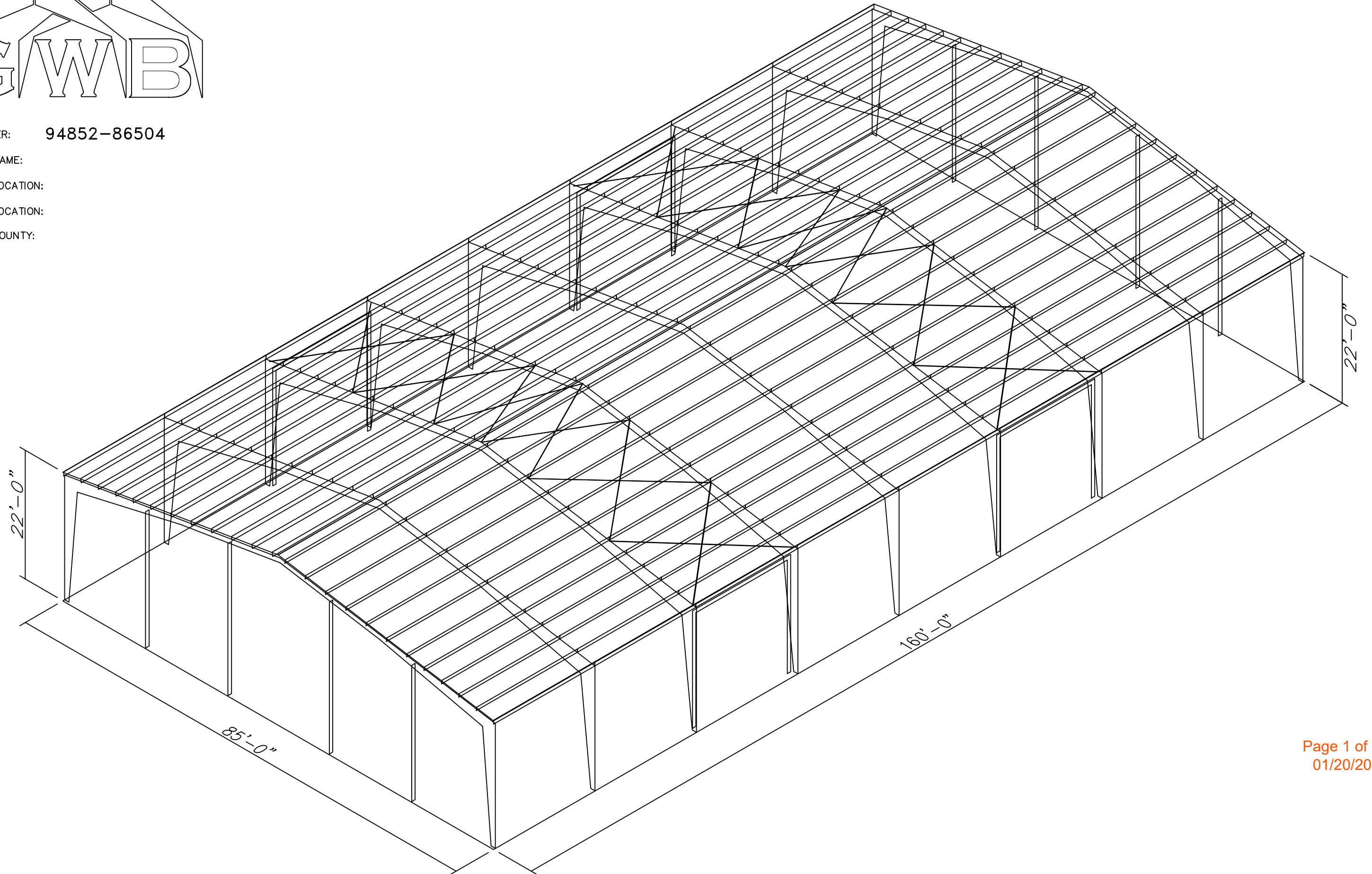
JOB NUMBER: 94852-86504

PROJECT NAME:

PROJECT LOCATION:

PROJECT LOCATION:

PROJECT COUNTY:



GENERAL NOTES

Table with 3 columns: MATERIALS, ASTM DESIGNATION, MIN. YIELD STRENGTH. Lists materials like hot rolled steel shapes, pipes, and machine bolts with their respective specifications.

1.3 PRIMER
SHOP PRIMER PAINT IS A RUST INHIBITIVE PRIMER WHICH MEETS THE END PERFORMANCE OF FEDERAL SPECIFICATION SSPC NO. 15 AND IS GRAY OXIDE IN COLOR.

1.4 GALVANIZED OR SPECIAL COATINGS:
SEE CONTRACT DOCUMENTS

1.5 ALL BOLTS ARE 1/2" x 0'-1 1/4" A307 EXCEPT:
A) ENDWALL RAFTER SPLICE - 5/8" x 0'-1 3/4" A325-N

1.6 A325 BOLT TIGHTENING REQUIREMENTS
ALL HIGH STRENGTH BOLTS ARE A325-N UNLESS SPECIFICALLY NOTED OTHERWISE.

1.7 CLOSURE STRIPS ARE FURNISHED (IF ORDERED) FOR APPLICATION:
INSIDE - UNDER ROOF PANELS & BASE OF WALL PANELS

1.8 ERECTION NOTE:
ALL BRACING, STRAPPING, & BRIDGING SHOWN AND PROVIDED BY M.B.S. FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.

1.9 ERECTION AND UNLOADING NOT BY G.W.B.

1.10 SHORTAGES
ANY CLAIMS OR SHORTAGES BY BUYER MUST BE MADE TO M.B.S. WITHIN FIVE (5) WORKING DAYS AFTER DELIVERY.

1.11 CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)
CLAIMS FOR CORRECTION OF ALLEGED MISFITS WILL BE DISALLOWED UNLESS M.B.S. SHALL HAVE RECEIVED PRIOR NOTICE THEREOF AND ALLOWED REASONABLE INSPECTION OF SUCH MISFITS.

BUYER/END USE CUSTOMER RESPONSIBILITIES

- 2.1 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO OBTAIN APPROPRIATE APPROVALS AND SECURE NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES AS REQUIRED...
2.2 METAL BUILDING SUPPLIER (HEREAFTER REFERRED TO AS M.B.S.) STANDARD SPECIFICATIONS APPLY UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS...
2.3 IN CASE OF DISCREPANCIES BETWEEN M.B.S. STRUCTURAL STEEL PLANS AND PLANS FOR OTHER TRADES...
2.4 APPROVAL OF M.B.S. DRAWINGS AND CALCULATIONS INDICATE THE M.B.S. HAS CORRECTLY INTERPRETED AND APPLIED THE CONTRACT DOCUMENTS...
2.5 ONCE THE BUYER/END USE CUSTOMER HAS SIGNED M.B.S. APPROVAL PACKAGE AND THE PROJECT IS RELEASED FOR FABRICATION, CHANGES SHALL BE BILLED TO THE BUYER/END USE CUSTOMER INCLUDING MATERIAL, ENGINEERING AND OTHER COSTS.

2.6 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR OVERALL PROJECT COORDINATION. ALL INTERFACE, COMPATIBILITY, AND DESIGN CONSIDERATIONS CONCERNING ANY MATERIALS NOT FURNISHED BY M.B.S. AND M.B.S. STEEL SYSTEM ARE TO BE CONSIDERED AND COORDINATED BY THE BUYER/END USE CUSTOMER.

2.7 IT IS THE RESPONSIBILITY OF THE BUYER/END USE CUSTOMER TO INSURE THAT M.B.S. PLANS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT M.B.S. OR ITS DESIGN ENGINEERS ARE ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.

2.8 THE BUYER/END USE CUSTOMER IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL IN ACCORDANCE WITH M.B.S. "FOR ERECTION" 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.

2.9 METAL BUILDING SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLTS TO PERMIT THE TRANSFER OF FORCES BETWEEN THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BEARING AND TENSION, BUT IT 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.

2.10 NORMAL ERECTION OPERATIONS INCLUDE THE CORRECTIONS OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, CHIPPING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE THROUGH THE USE OF DRIFT PINS.

2.11 NEITHER THE FABRICATOR NOR THE BUYER/END USE CUSTOMER WILL CUT, DRILL OR OTHERWISE ALTER HIS WORK, OR THE WORK OF OTHER TRADES, TO ACCOMMODATE OTHER TRADES, UNLESS SUCH WORK IS CLEARLY SPECIFIED IN THE CONTRACT DOCUMENTS.

2.12 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.

2.13 SAFETY COMMITMENT: METAL BUILDING SUPPLIER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF M.B.S.

2.14 ROOF DRAINAGE SYSTEMS (GUTTER, DOWNSPOUTS, ETC.) MUST BE FREE OF ANY OBSTRUCTION TO ENSURE SMOOTH OPERATION AT ANY GIVEN TIME.

2.15 IT IS RECOMMENDED BY FACTORY MUTUAL (REFERENCE B2.44) THAT ROOFS BE CLEARED OF SNOW WHEN HALF OF THE MAXIMUM SNOW DEPTH IS REACHED.

Table with 3 columns: ROOF SNOW LOAD (IN PSF), EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES), RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES). Lists values for snow loads from 20 to 80 PSF.

NOTE: FOR SNOW/ICE REMOVAL PROCEDURE, REFER TO METAL BUILDING SYSTEM MANUAL 2002 EDITION, SECTION AB.4, PAGE XI-AB-2

BUILDING LOADS

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

DESIGN LOADS:

- DESIGN CODE / WIND CODE : IBC-21
OCCUPANCY / RISK CATEGORY : II - Normal
ENCLOSURE : Open
ROOF DEAD LOAD (D) (PSF) : 2.00
ROOF COLLATERAL LOAD (C) (PSF) : 1.00
WIND LOAD
ULTIMATE WIND SPEED, (VULT) (MPH) : 130.00
WIND EXPOSURE CATEGORY : C
INTERNAL PRESSURE COEFFICIENT, (GCpi) : 0.00/0.00
WALL PANEL DESIGN WIND PRESSURE (PSF) : 28.22/-31.04
WIND ENCLOSURE CLASSIFICATION : Open
LIVE LOAD
PRIMARY FRAMING (PSF) : 20.00
TRIB. AREA REDUCTION : No
SECONDARY FRAMING (PSF) : 20.00
SNOW LOAD
GROUND SNOW LOAD, (Pg) (PSF) : 20.0
ROOF SNOW LOAD, (Pf) (PSF) : 20.0
SNOW EXPOSURE FACTOR, (Ce) : 1.00
SNOW IMPORTANCE FACTOR, (Is) : 1.00
THERMAL FACTOR, (Ct) : 1.20
SEISMIC LOAD
SEISMIC IMPORTANCE FACTOR, (Ie) : 1.00
SITE CLASSIFICATION : d
SPECTRAL RESPONSE ACCELERATION : Ss = 1.146 : S1 = 0.443
SPECTRAL RESPONSE COEFFICIENTS : Sds = 0.917 : Sd1 = 0.548
SEISMIC DESIGN CATEGORY : D
BASIC SEISMIC FORCE RESISTING SYSTEM : STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR RESISTANCE
TOTAL DESIGN BASE SHEAR, (V) (KIPS) : LONGITUDINAL = 20.91 : TRANSVERSE = 22.43
RESPONSE MODIFICATION FACTORS, (R) : RIGID FRAMES = 3.25 : D = 3.00 : SW WIND BENT = 3.25 : D = 3.00
SEISMIC RESPONSE COEFFICIENTS, (Cs) : RIGID FRAMES = 0.2822 : SW WIND BENT = 0.2822
ANALYSIS PROCEDURE USED : EQUIVALENT LATERAL FORCE PROCEDURE
OTHER LOADS/REQUIREMENTS

BUILDING DESCRIPTION:

- WIDTH (FT) : 85.0
LENGTH (FT) : 160
EAVE HEIGHT AT BSW (FT) : 22.0
EAVE HEIGHT AT FSW (FT) : 22.0
ROOF SLOPE AT BSW : 2.0:12
ROOF SLOPE AT FSW : 2.0:12
BAY SPACING (FT) : 8 AT 20

COVERING AND TRIMS:

- ROOF PANELS & TRIMS
PANEL TYPE : 26 GA. PBR
PANEL COLOR : GALVALUME
TRIM COLORS
GABLE/EAVE : POLAR WHITE
EAVE GUTTER : NEED STD. COLOR
DOWNSPOUTS : POLAR WHITE

WALL PANELS & TRIMS (TO REMAIN OPEN)

- INSULATION
ROOF INSULATION : N/A
WALL INSULATION : N/A

Vertical sidebar containing: ENG. RTS, CHK. MEZ, DATE, ISSUE APPROVAL, G.W.B. logo, address (1101 3RD AVE, GRAND JUNCTION, CO 81501), phone ((800)-497-2135), website (WWW.GREATWESTERNBUILDINGS.COM), and sheet number (94852-86504).

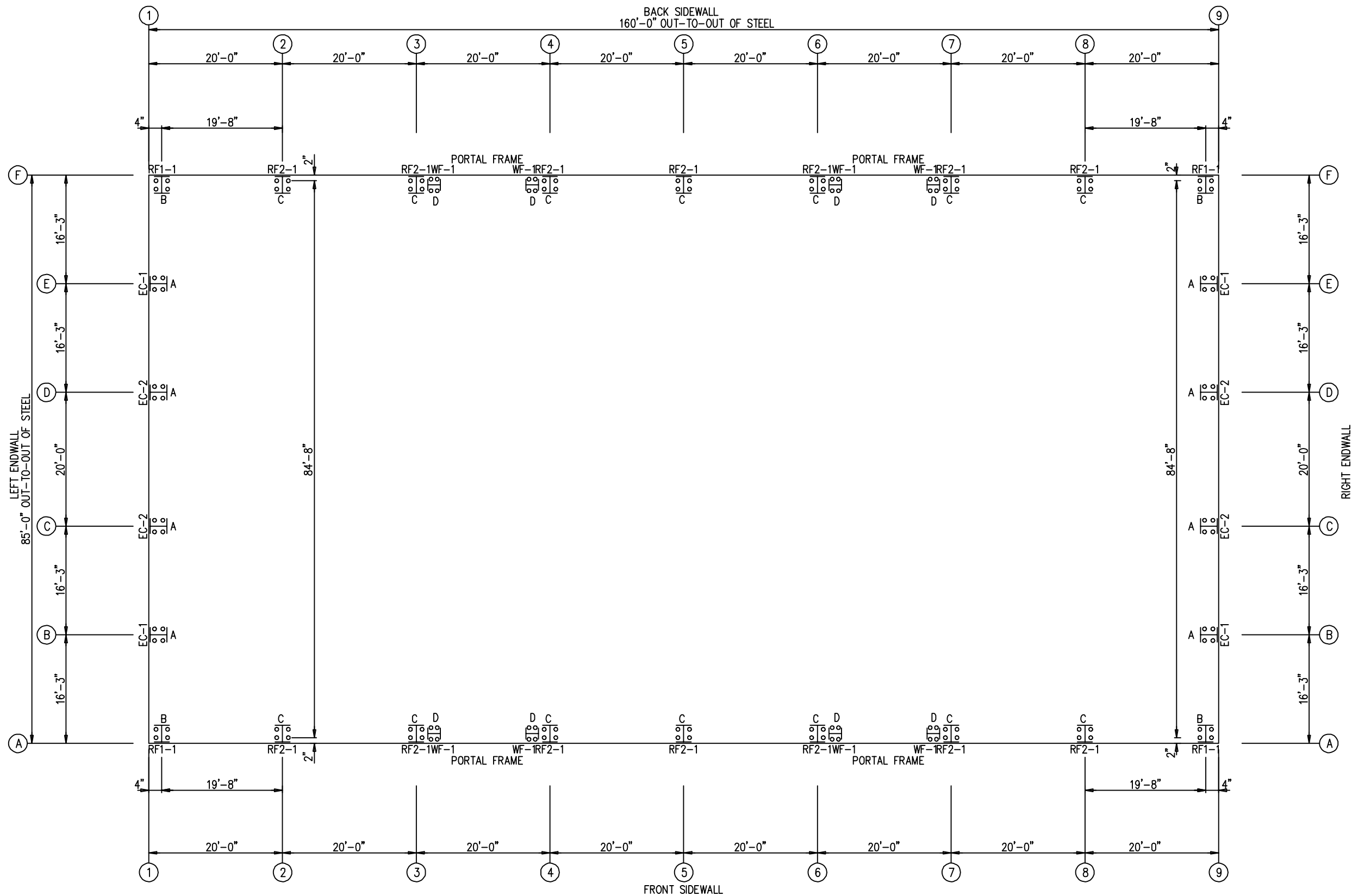
BUILDING INFO COVERSHEET

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ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
○ 32	ENDWALL	3/4"	A307
○ 72	FRAME	3/4"	A307
○ 32	PORTAL COL	3/4"	A307

ENG.	RTS	CHK.	MEZ	DWN.	DATE	ISSUE
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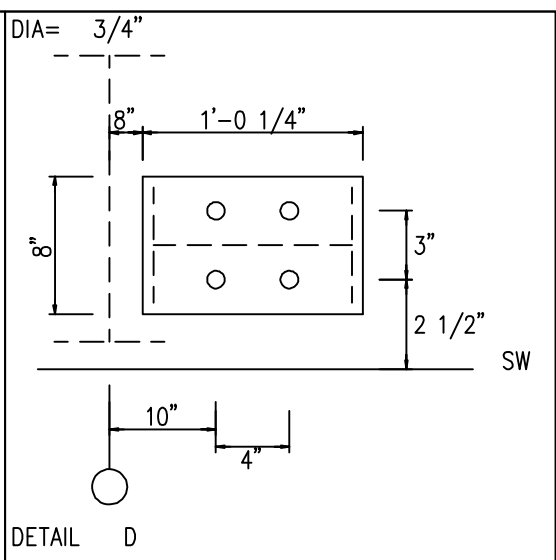
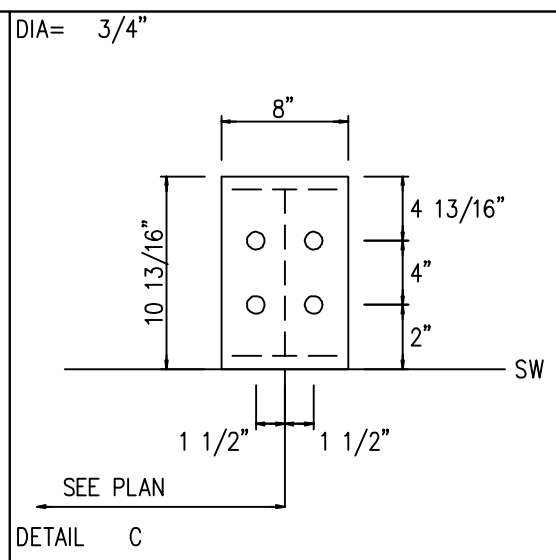
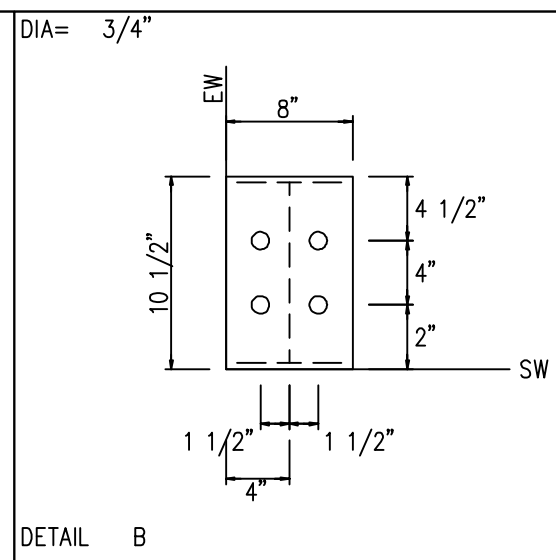
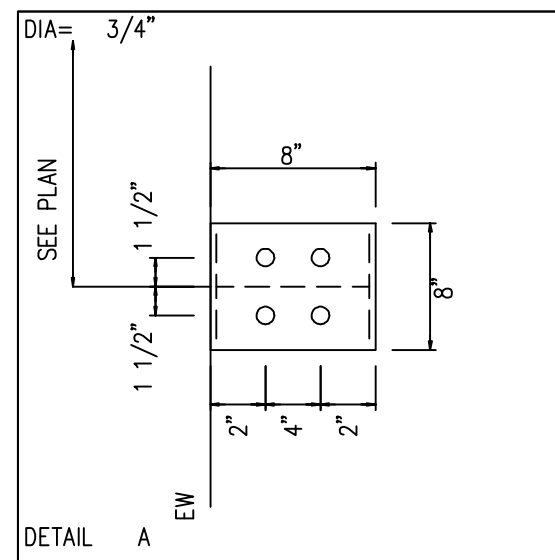
ANCHOR BOLT PLAN
NOTE: ALL BASE PLATES @ 100'-0" (U.N.)



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PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	94852-86504
JOB NUMBER:	OF
SHEET TITLE:	ANCHOR BOLT PLAN

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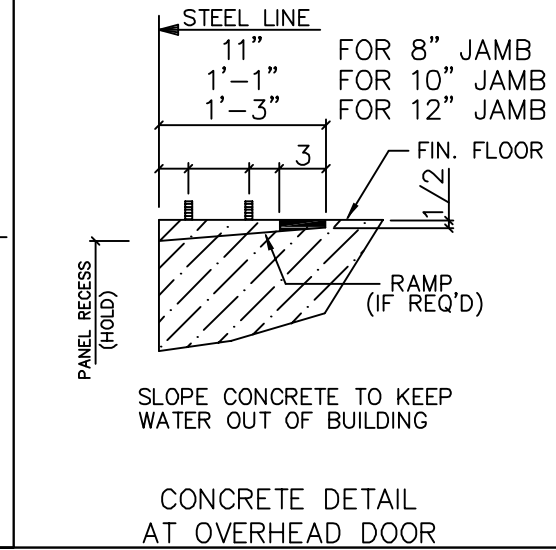
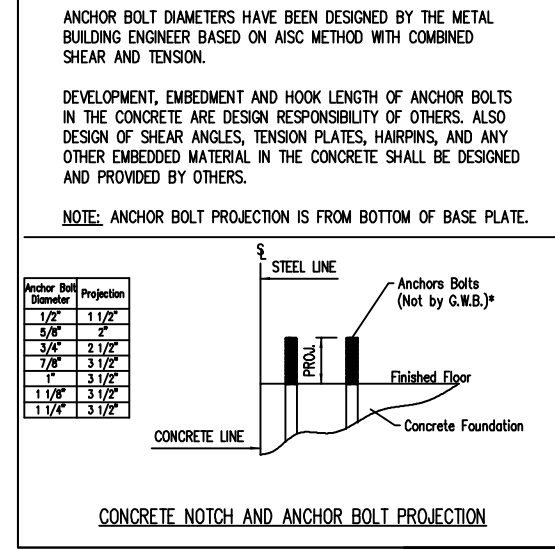


NOTE:
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. G.W.B. WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

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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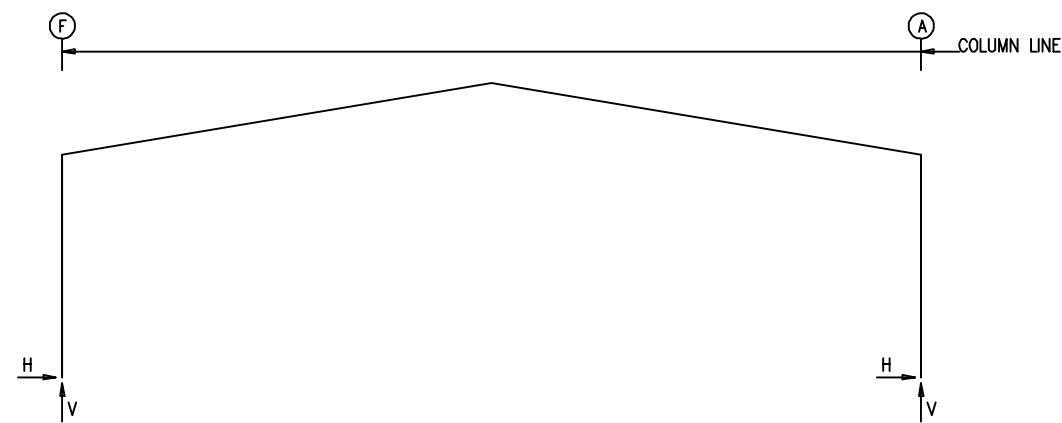
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SCALE:	N.T.S.
SHEET NUMBER:	
JOB NUMBER:	94852-86504
SHEET TITLE:	ANCHOR BOLT DETAILS

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RIGID FRAME: BASIC COLUMN REACTIONS (k)

FRAME Line	Column Line	Dead	Collateral	Live	Snow	Wind_Left	Wind_Right
1*	F	1.1	0.3	5.9	8.6	-9.1	-13.2
1*	A	-1.1	-0.3	-5.9	8.6	10.1	-15.5

FRAME Line	Column Line	Wind_Left2	Wind_Right2	Wind_Long1	Wind_Long2	Seismic_Left	Seismic_Right
1*	F	-10.4	-12.4	-9.2	13.8	-1.3	0.6
1*	A	8.8	10.4	9.2	-13.8	-1.3	-0.6

FRAME Line	Column Line	MIN_SNOW	F1UNB_SL_L	F1UNB_SL_R
1*	F	1.5	4.3	4.5
1*	A	-1.5	-4.3	4.5

FRAME Line	Column Line	Dead	Collateral	Live	Snow	Wind_Left	Wind_Right
2*	F	1.8	0.6	11.5	17.0	-17.8	-30.5
2*	A	-1.8	-0.6	-11.5	17.0	19.7	-26.0

FRAME Line	Column Line	Wind_Left2	Wind_Right2	Wind_Long1	Wind_Long2	Seismic_Left	Seismic_Right
2*	F	-20.4	-24.4	-17.0	25.6	-1.7	0.8
2*	A	17.2	32.1	17.0	-25.6	-1.7	-0.8

FRAME Line	Column Line	MIN_SNOW	F2UNB_SL_L	F2UNB_SL_R
2*	F	2.9	8.3	8.8
2*	A	-2.9	-8.3	8.8

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 85.0
- Length (ft) = 160
- Eave Height (ft) = 22.0/22.0
- Roof Slope (rise/12) = 2.0:12/2.0:12
- Dead Load (psf) = 2.00
- Collateral Load (psf) = 1.00
- Live Load (psf) = 20.00
- Snow Load (psf) = 20.0
- Wind Speed (mph) = 130.0
- Wind Code = IBC-21
- Exposure = C
- Closed/Open = Open
- Importance Wind = 1.00
- Importance Seismic = 1.00
- Seismic Zone = D
- Seismic Coeff (Fa*Ss) = 1.38

ID	Description
1	Dead+Collateral+0.75Snow+0.45Wind_Long2R+0.75Slide_Snow
2	0.6Dead+0.6Wind_Left2
3	0.6Dead+0.6Wind_Right2
4	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
5	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
6	1.13Dead+1.13Collateral+0.7Seismic_Right

ANCHOR BOLT SUMMARY

QTY	LOCATE	DIA (in)	TYPE
○ 32	ENDWALL	3/4"	A307
○ 72	FRAME	3/4"	A307
○ 32	PORTAL COL	3/4"	A307

WIND BENT REACTIONS

Loc	Wall Line	Col Line	Horz Wind(k)	Vert Wind(k)	Seismic(k) Horz	Seismic(k) Vert	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick
F_SW	A	3	5.0	11.4	3.4	7.8	4	0.750	8.000	12.250	0.500
F_SW	A	4	5.0	11.4	3.4	7.8	4	0.750	8.000	12.250	0.500
F_SW	A	6	5.0	11.4	3.4	7.8	4	0.750	8.000	12.250	0.500
F_SW	A	7	5.0	11.4	3.4	7.8	4	0.750	8.000	12.250	0.500
B_SW	F	7	5.0	11.4	3.4	7.8	4	0.750	8.000	12.250	0.500
B_SW	F	6	5.0	11.4	3.4	7.8	4	0.750	8.000	12.250	0.500
B_SW	F	4	5.0	11.4	3.4	7.8	4	0.750	8.000	12.250	0.500
B_SW	F	3	5.0	11.4	3.4	7.8	4	0.750	8.000	12.250	0.500

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

Frm Line	Col Line	Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
1*	F	1	7.5	11.6	2	-5.6	-6.2	4	0.750	8.000	10.50	0.375	0.0
1*	A	3	5.6	-6.2	1	-7.5	11.6	4	0.750	8.000	10.50	0.375	0.0
1*	FRAME lines:	1	9										

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

Frm Line	Col Line	Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
2*	F	1	14.4	22.1	2	-11.2	-12.6	4	0.750	8.000	10.81	0.625	0.0
2*	A	3	11.2	-12.6	1	-14.4	22.1	4	0.750	8.000	10.81	0.625	0.0
2*	FRAME lines:	2	3	4	5	6	7	8					

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz	Seis Long Horz
1	E	0.5	-4.0	4.5	0.1
1	D	0.6	-5.1	5.8	0.2
1	C	0.6	-5.1	5.8	0.2
1	B	0.5	-4.0	4.5	0.1
9	B	0.5	-4.0	4.5	0.1
9	C	0.6	-5.1	5.8	0.2
9	D	0.6	-5.1	5.8	0.2
9	E	0.5	-4.0	4.5	0.1

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

Frm Line	Col Line	Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V	Bolt(in) QTY	DIA	Base_Plate(in) Width	Length	Thick	Grout (in)
1	E	4	2.7	0.3	5	-2.4	0.3	4	0.750	8.000	8.000	0.375	0.0
1	D	4	3.5	0.4	5	-3.1	0.4	4	0.750	8.000	8.000	0.375	0.0
1	C	4	3.5	0.4	5	-3.1	0.4	4	0.750	8.000	8.000	0.375	0.0
1	B	4	2.7	0.3	5	-2.4	0.3	4	0.750	8.000	8.000	0.375	0.0
9	B	4	2.7	0.3	5	-2.4	0.3	4	0.750	8.000	8.000	0.375	0.0
9	C	4	3.5	0.4	5	-3.1	0.4	4	0.750	8.000	8.000	0.375	0.0
9	D	4	3.5	0.4	5	-3.1	0.4	4	0.750	8.000	8.000	0.375	0.0
9	E	4	2.7	0.3	5	-2.4	0.3	4	0.750	8.000	8.000	0.375	0.0

ENG.	CHK.	RTS

DATE	DWN.	CHK.	RTS

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							N.T.S.		94852-86504	ANCHOR BOLT REACTIONS

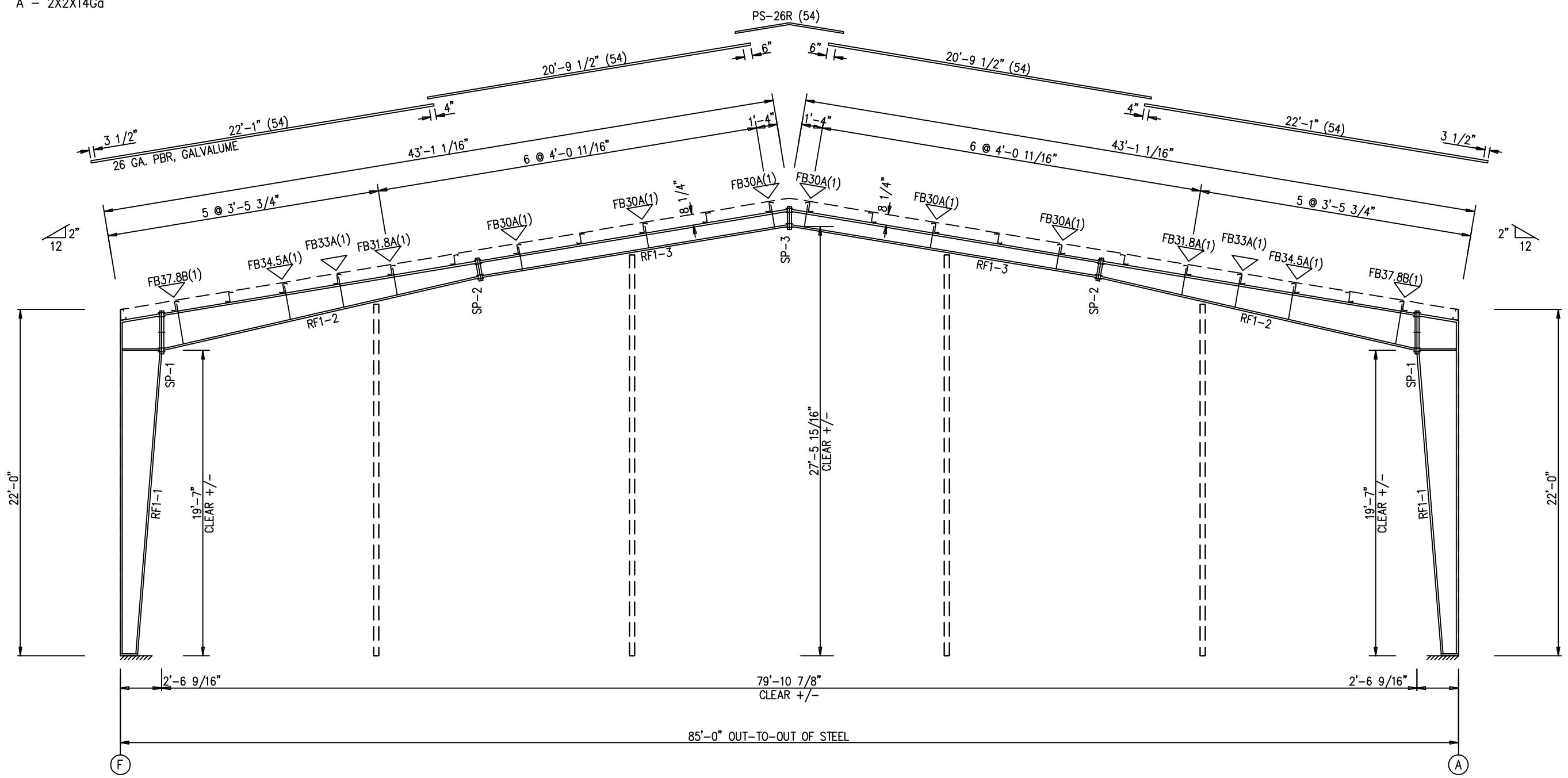
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SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	2	A325	3/4"	2 1/4"
SP-2	4	4	0	A325	5/8"	2"
SP-3	4	4	0	A325	5/8"	1 3/4"

MEMBER TABLE						
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	10.0	29.7	0.135	19'-0 9/16"	8 x 1/4" x 21'-3"	8 x 1/4" x 9'-8 7/16"
RF1-2	29.7	30.0	0.188	2'-7 1/2"	8 x 1/4" x 2'-6 5/8"	8 x 5/16" x 9'-8"
RF1-3	25.0	11.5	0.135	18'-7 7/8"	6 x 1/4" x 20'-3 11/16"	6 x 5/16" x 11'-0 1/8"
	11.5	10.0	0.135	2'-0"		6 x 1/4" x 9'-8 3/16"
	10.0	10.0	0.135	20'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 19'-10 5/16"

ENG.	RTS	CHK.	MEZ	DWN.	APPROVAL	ISSUE	DATE

▽ FLANGE BRACES: FBxx (1 or 2)
 xx=length(in)
 (1) One Side; (2) Two Sides
 B - 2X2X1/8
 A - 2X2X14Ga




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CUSTOMER EMAIL:	
SCALE:	N.T.S.
SHEET NUMBER:	94852-86504
JOB NUMBER:	
SHEET TITLE:	RIGID FRAME ELEVATION

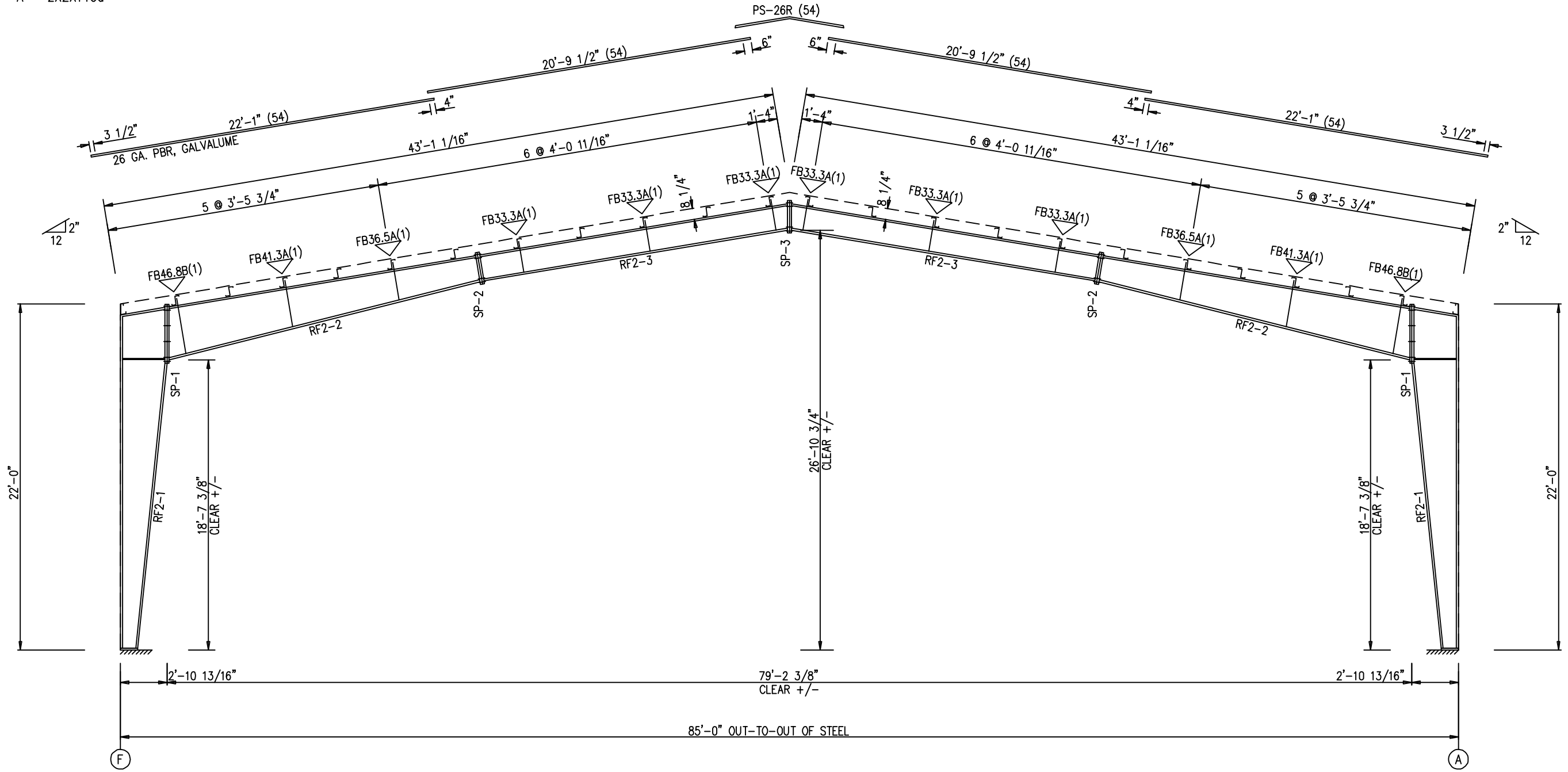
RIGID FRAME ELEVATION: FRAME LINE 1 9

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

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	10.0/33.7 33.7/34.0	0.188 0.250	18'-0 11/16" 3'-7 11/16"	8 x 1/4" x 9'-8" 8 x 5/16" x 11'-6 11/16" 8 x 5/16" x 2'-10 3/4"	8 x 1/2" x 18'-5"
RF2-2	37.0/26.8 26.8/17.0	0.164 0.135	10'-5 3/4" 10'-0"	6 x 1/4" x 19'-11 9/16"	6 x 3/8" x 10'-10 3/16" 6 x 1/4" x 9'-8 3/8"
RF2-3	17.0/17.0	0.135	20'-0"	6 x 1/4" x 20'-0"	6 x 1/4" x 19'-9 1/8"

▽ FLANGE BRACES: FBxx (1 or 2)
 xx=length(in)
 (1) One Side; (2) Two Sides
 B - 2X2X1/8
 A - 2X2X1/4Ga



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

ENG.	CHK.	RTS.

ISSUE	APPROVAL

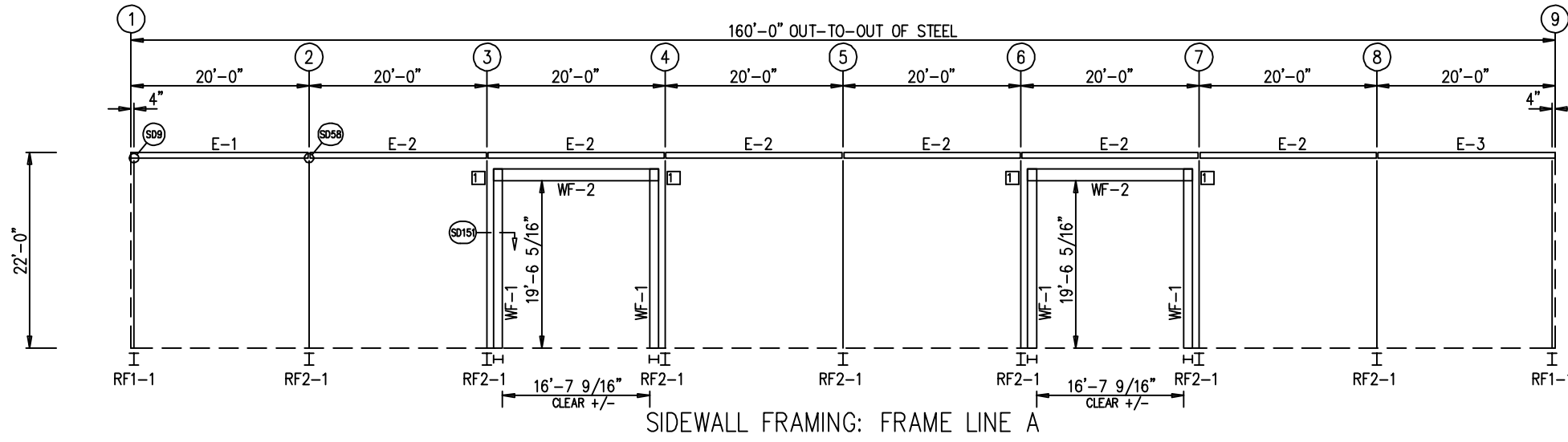


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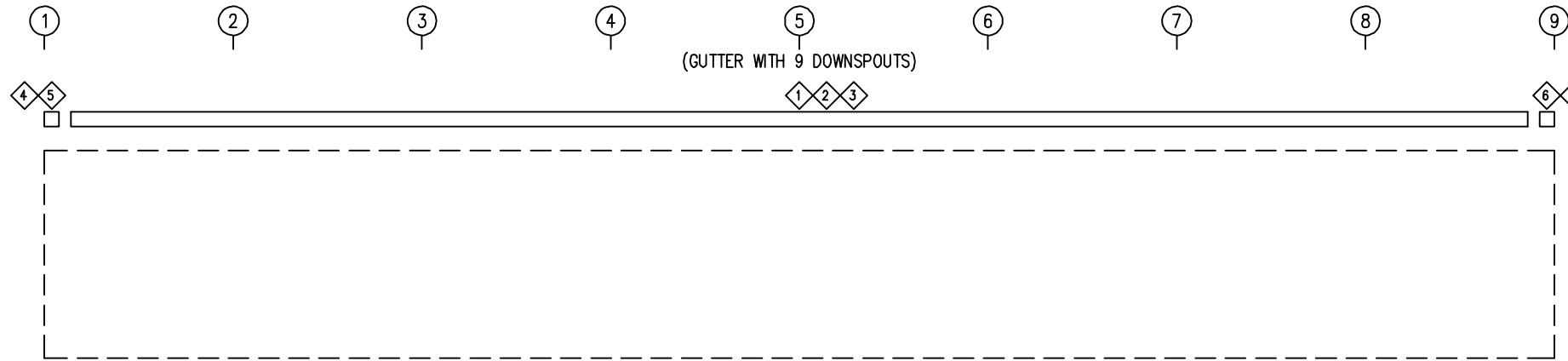
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PROJECT NAME:	
PROJECT LOCATION:	
PROJECT COUNTY:	
PROJECT END USE:	
CUSTOMER PHONE NUMBER:	
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SIDEWALL FRAMING: FRAME LINE A



SIDEWALL TRIM: FRAME LINE A

TRIM TABLE FRAME LINE A				
◊ID	QUAN	PART	LENGTH	DETAIL
1	12	FL-32	11'-10"	TD14
2	14	FL-31	11'-7"	TD14
3	14	FL-80	11'-7"	TD14
4	1	FL-32L	11'-2"	TD13
5	1	FL-33L	8"	TD85
6	1	FL-32R	11'-2"	TD13
7	1	FL-33R	8"	TD85

BOLT TABLE FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	7/8"	2 1/2"
WF-1 - RF2-1	8	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE A			
QUAN	MARK	PART	LENGTH
4	WF-1	W12X26	20'-10"
2	WF-2	W16X26	16'-7 1/16"
1	E-1	L08E14-2	19'-11 1/2"
6	E-2	L08E14-2	19'-11 1/2"
1	E-3	L08E14-2	19'-11 1/2"

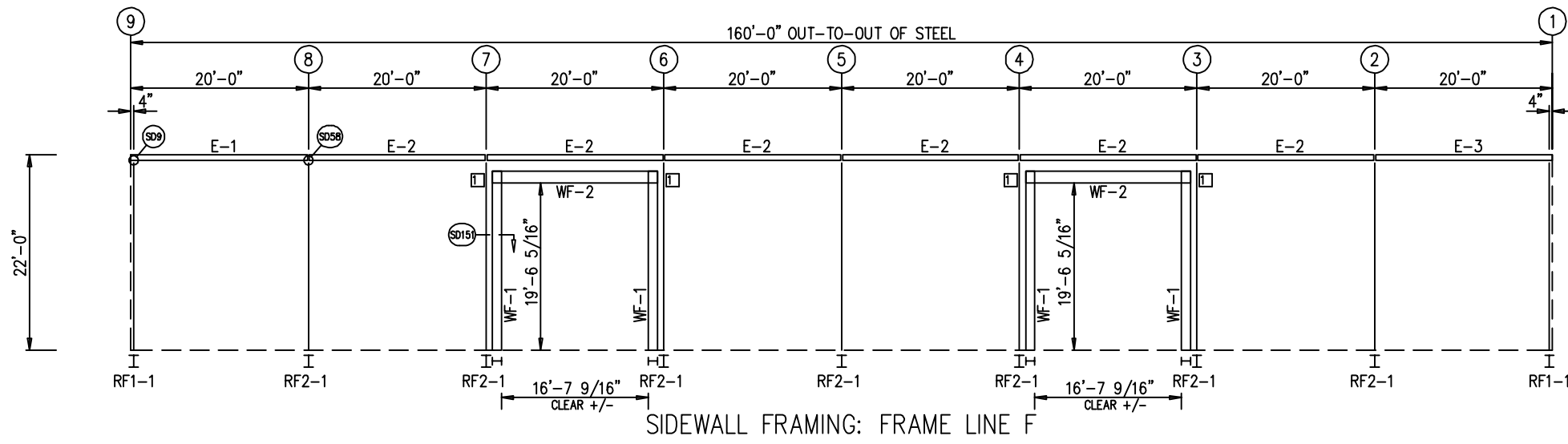
CONNECTION PLATES FRAME LINE A		
◻ID	QUAN	MARK
1	4	CL-210

ISSUE	APPROVAL	DATE	DWN.	CHK.	ENG. RTS	
					MEZ	RTS

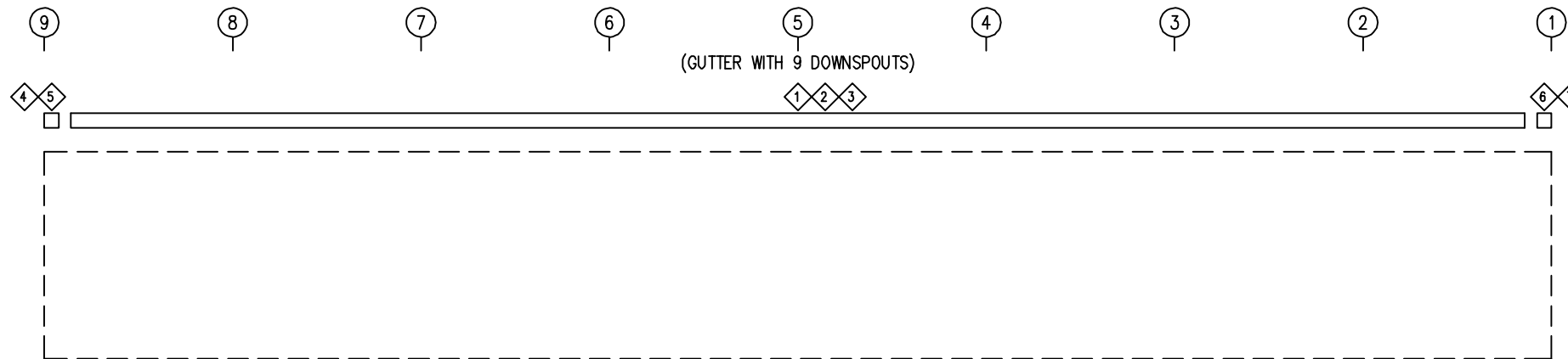
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SCALE:	N.T.S.
SHEET NUMBER:	94852-86504
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SHEET TITLE:	SIDEWALL FRAMING

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SIDEWALL FRAMING: FRAME LINE F



SIDEWALL TRIM: FRAME LINE F

TRIM TABLE
FRAME LINE F

◊ID	QUAN	PART	LENGTH	DETAIL
1	12	FL-32	11'-10"	TD14
2	14	FL-31	11'-7"	TD14
3	14	FL-80	11'-7"	TD14
4	1	FL-32L	11'-2"	TD13
5	1	FL-33L	8"	TD85
6	1	FL-32R	11'-2"	TD13
7	1	FL-33R	8"	TD85

BOLT TABLE
FRAME LINE F

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	7/8"	2 1/2"
WF-1 - RF2-1	8	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE F

QUAN	MARK	PART	LENGTH
4	WF-1	W12X26	20'-10"
2	WF-2	W16X26	16'-7 1/16"
1	E-1	L08E14-2	19'-11 1/2"
6	E-2	L08E14-2	19'-11 1/2"
1	E-3	L08E14-2	19'-11 1/2"

CONNECTION PLATES
FRAME LINE F

◻ID	QUAN	MARK
1	4	CL-210

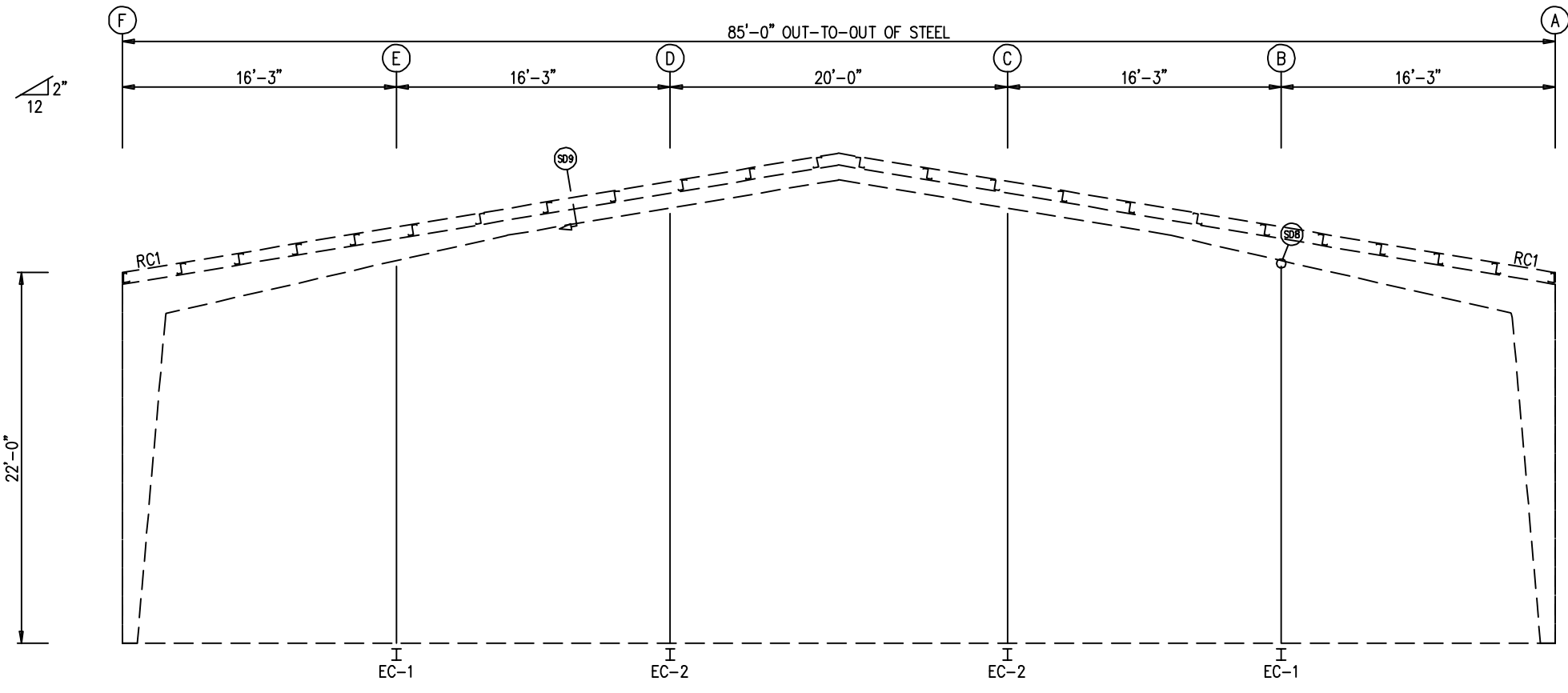
ENG.	RTS	CHK.	MEZ	DWN.	APPROVAL	ISSUE	DATE	ISSUE	DATE



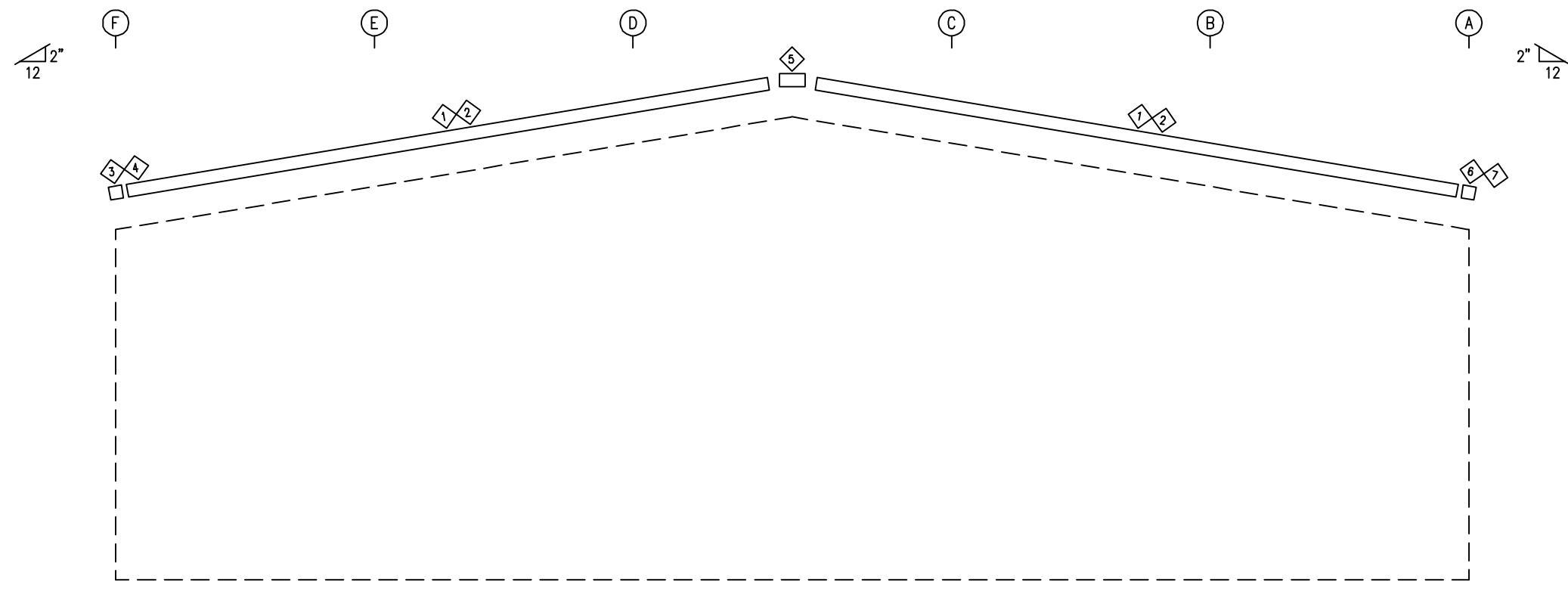
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ENDWALL FRAMING: FRAME LINE 1



ENDWALL TRIM: FRAME LINE 1

TRIM TABLE FRAME LINE 1				
◊ID	QUAN	PART	LENGTH	DETAIL
1	6	FL-21	11'-2"	TD24
2	8	FL-78	11'-2"	TD25
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
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

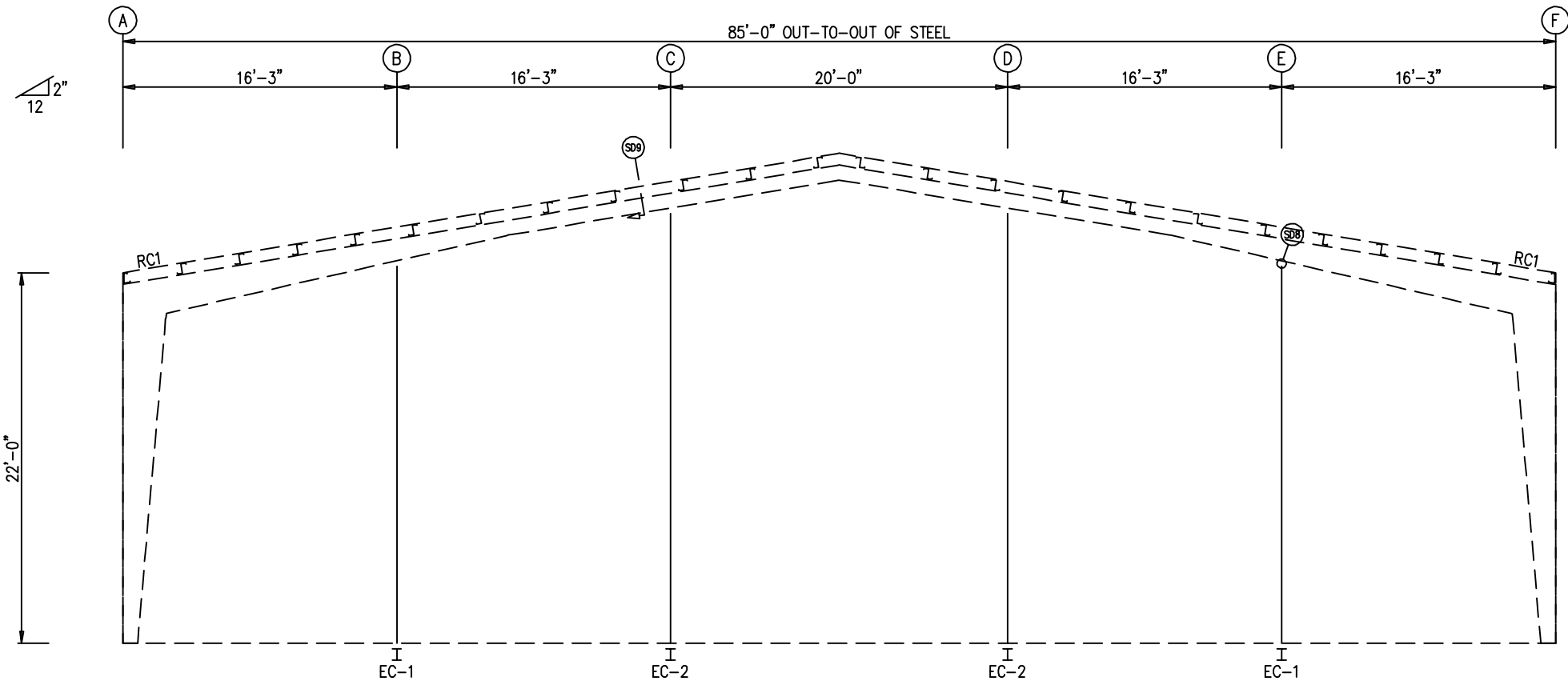
MEMBER TABLE FRAME LINE 1			
QUAN	MARK	PART	LENGTH
2	EC-1	W8X24	22'-7 13/16"
2	EC-2	W8X24	25'-9 1/4"

ISSUE	APPROVAL	DATE	DWN.	CHK.	ENG.	
					MEZ	RTS

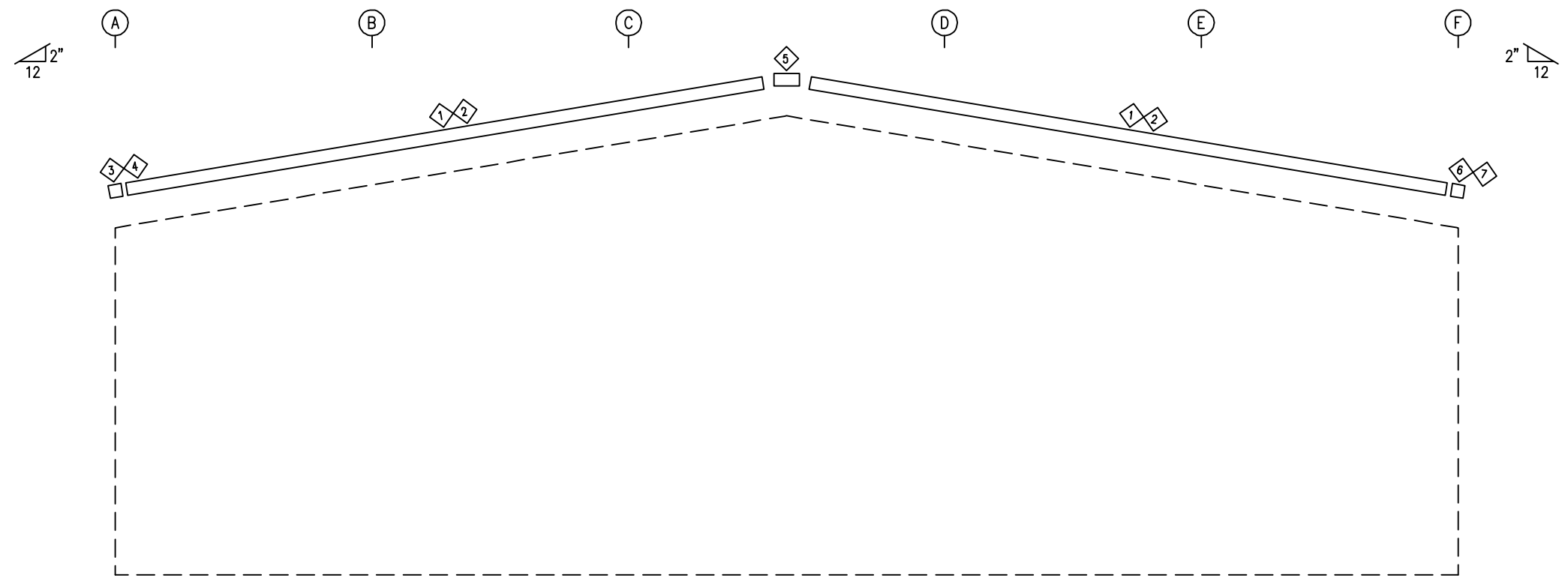
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JOB NUMBER:	94852-86504
SHEET TITLE:	ENDWALL FRAMING & TRIM

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ENDWALL FRAMING: FRAME LINE 9



ENDWALL TRIM: FRAME LINE 9

TRIM TABLE FRAME LINE 9				
◇ID	QUAN	PART	LENGTH	DETAIL
1	6	FL-21	11'-2"	TD24
2	8	FL-78	11'-2"	TD25
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
COLUMNS/RAFTER	2	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE 9			
QUAN	MARK	PART	LENGTH
2	EC-1	W8X24	22'-7 13/16"
2	EC-2	W8X24	25'-9 1/4"

ENG.	RTS	CHK.	MEZ	DWN.	DATE	ISSUE
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SHEET NUMBER:	94852-86504
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SHEET TITLE:	ENDWALL FRAMING & TRIM

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TRIM TABLE
ROOF PLAN

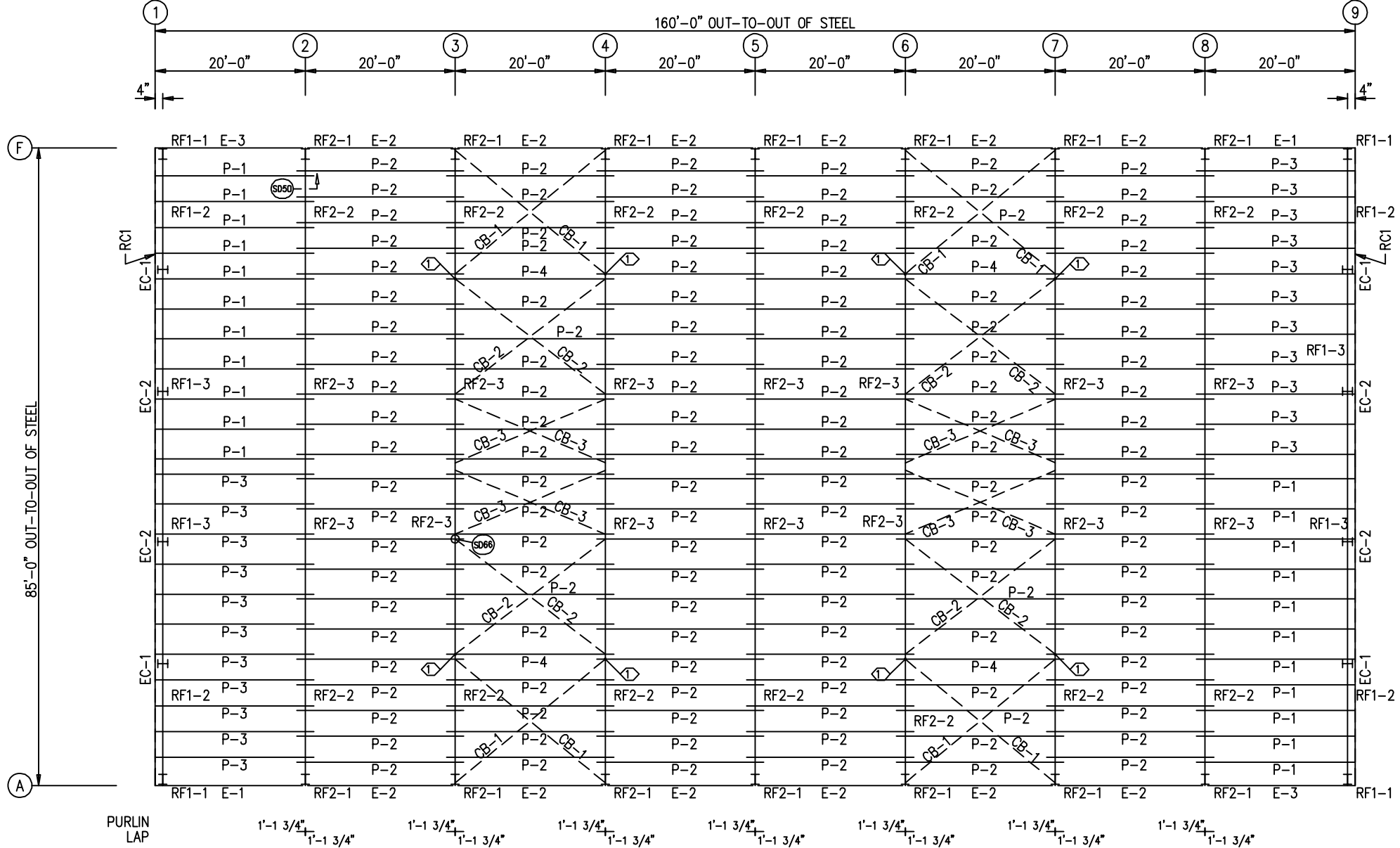
ID	QUAN	PART	LENGTH	DETAIL
1	54	PS-26R	3'-0"	TD8

MEMBER TABLE
ROOF PLAN

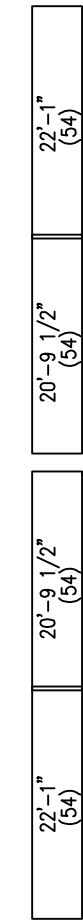
QUAN	MARK	PART	LENGTH
22	P-1	8X25Z12	21'-1 1/2"
128	P-2	8X25Z16	22'-3 1/2"
22	P-3	8X25Z12	21'-1 1/2"
4	P-4	8X25Z14	22'-3 1/2"
2	E-1	L08E14-2	19'-11 1/2"
12	E-2	L08E14-2	19'-11 1/2"
2	E-3	L08E14-2	19'-11 1/2"
8	CB-1	RD0625	26'-3 3/4"
8	CB-2	RD0500	25'-7 3/4"
8	CB-3	RD0500	22'-2"

SPECIAL BOLTS
ROOF PLAN

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



ROOF FRAMING PLAN



ROOF SHEETING

PANELS: 26 GA. PBR GALVALUME

ENG.	CHK.	RTS.

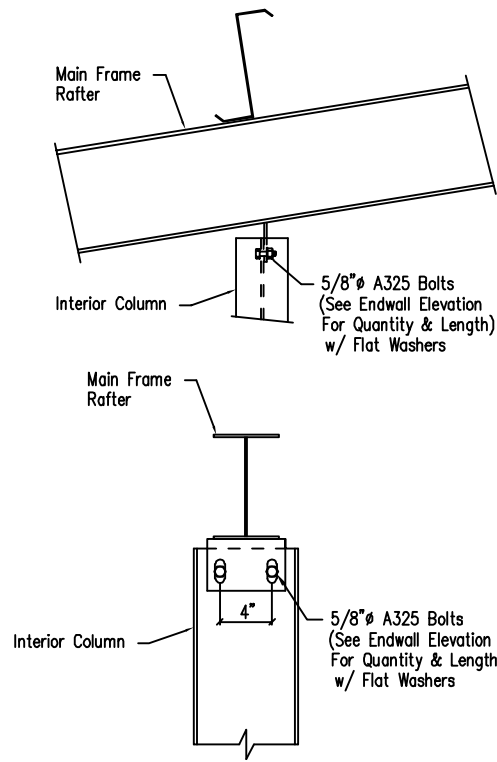
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SHEET TITLE:	94852-86504

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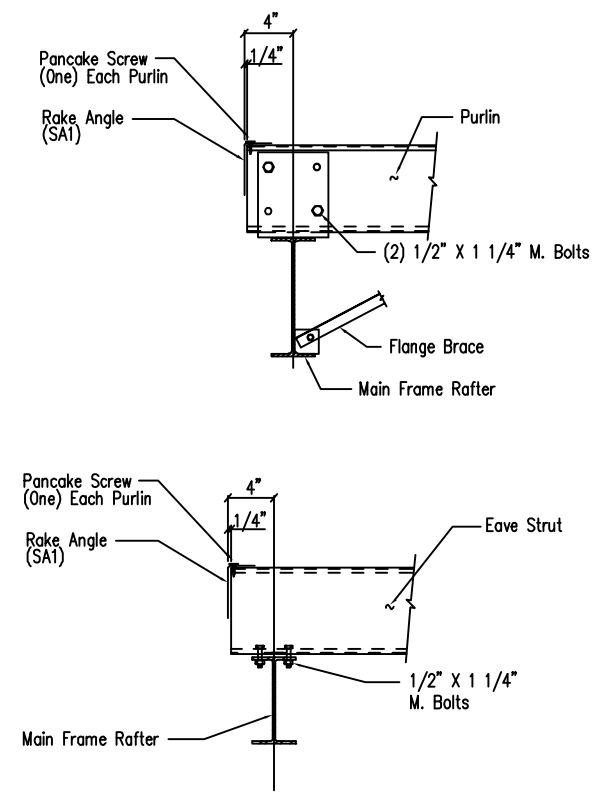
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ROOF FRAMING & SHEETING PLAN



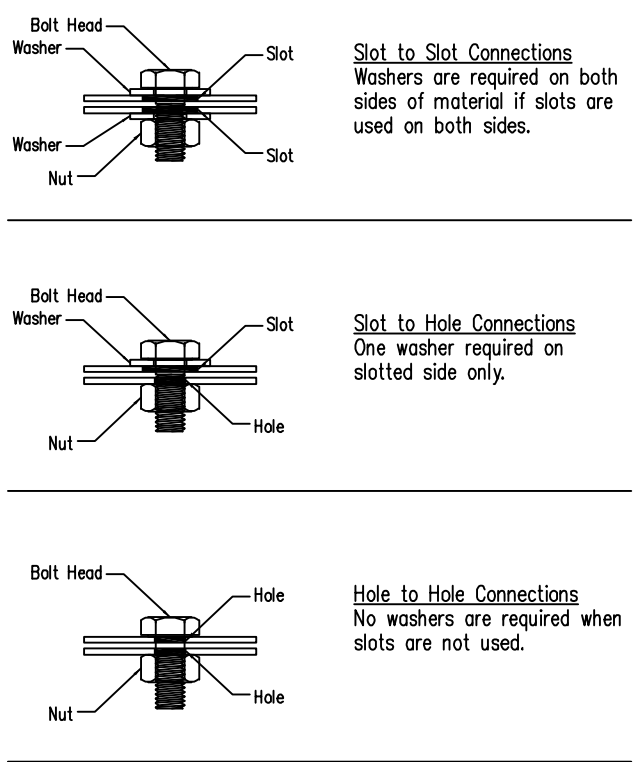
Hot Rolled Column to Main Frame Rafter

DRAWING NO. SD8
Created On: 7/22/11



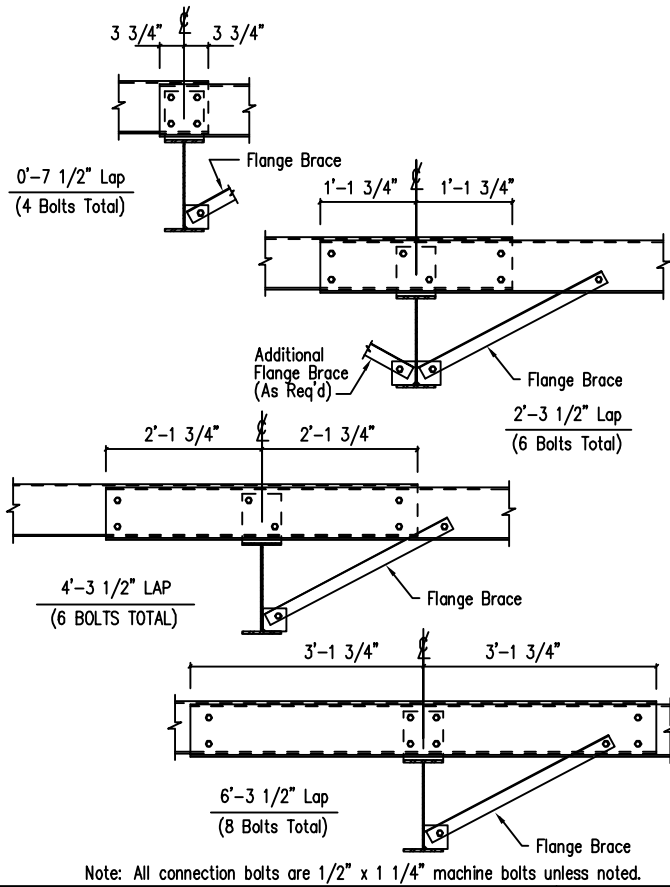
Main Frame Rafter Connection
PURLIN & EAVE STRUT CONNECTION

DRAWING NO. SD9
Created On: 7/22/11



Typical Washer Requirements

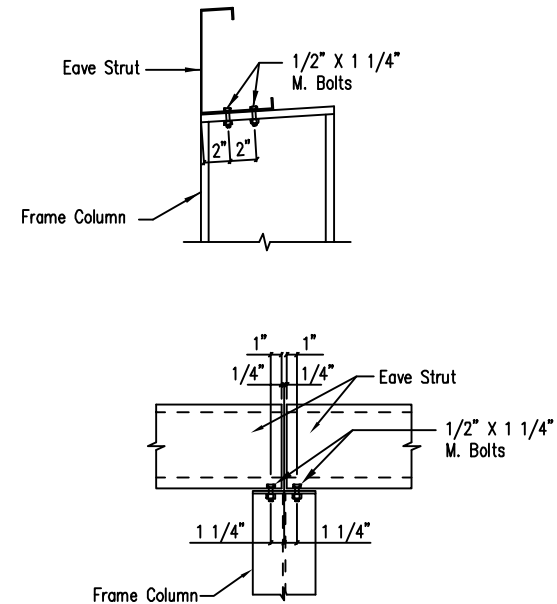
DRAWING NO. SD11



Interior Bay Purlin Framing

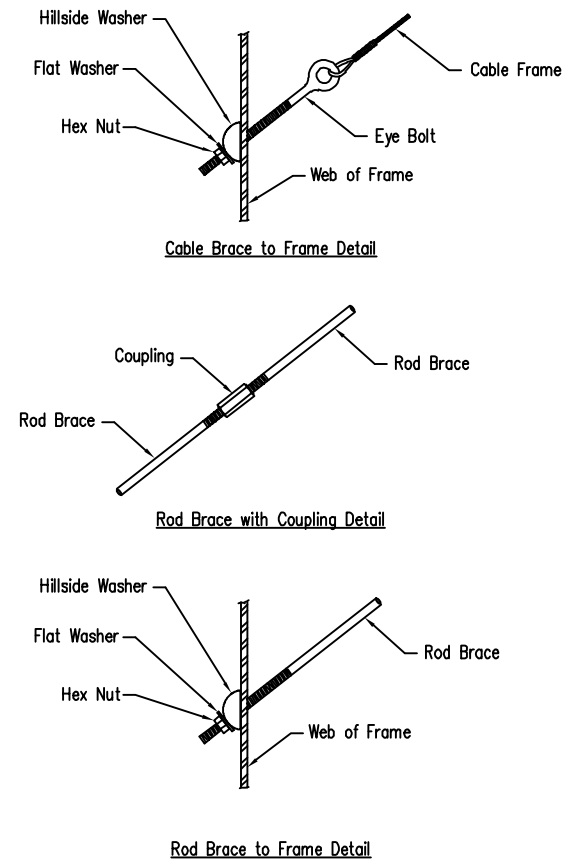
DRAWING NO. SD50

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



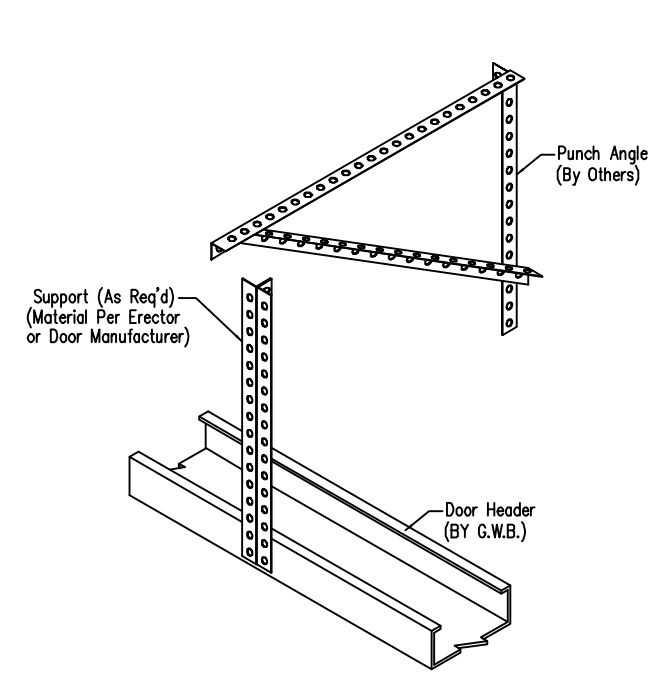
Eave Strut at Interior Column
Flush Sidewall

DRAWING NO. SD58



Cable or Rod Brace to Frame Connection

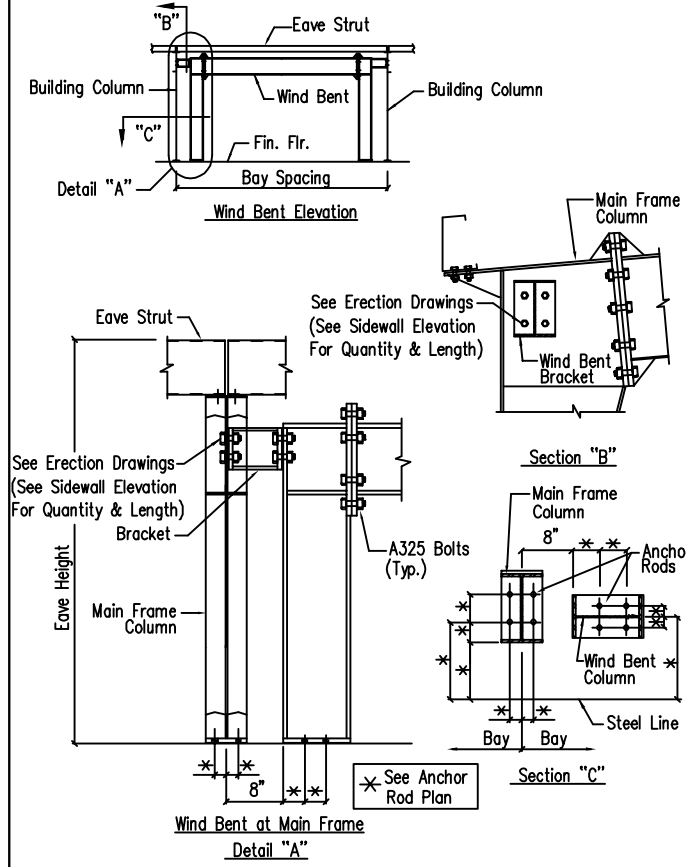
DRAWING NO. SD66



ERECTOR NOTE: ALL MATERIAL BY OTHERS (U.N.)
FIELD FABRICATE & ASSEMBLE AS REQ'D.
CONNECTION TO MEMBER ABOVE SIMILAR TO HEADER CONNECTION.

Overhead Door Torsion Bar Bearing Connection

DRAWING NO. SD101



Flush Wind Bent

DRAWING NO. SD151

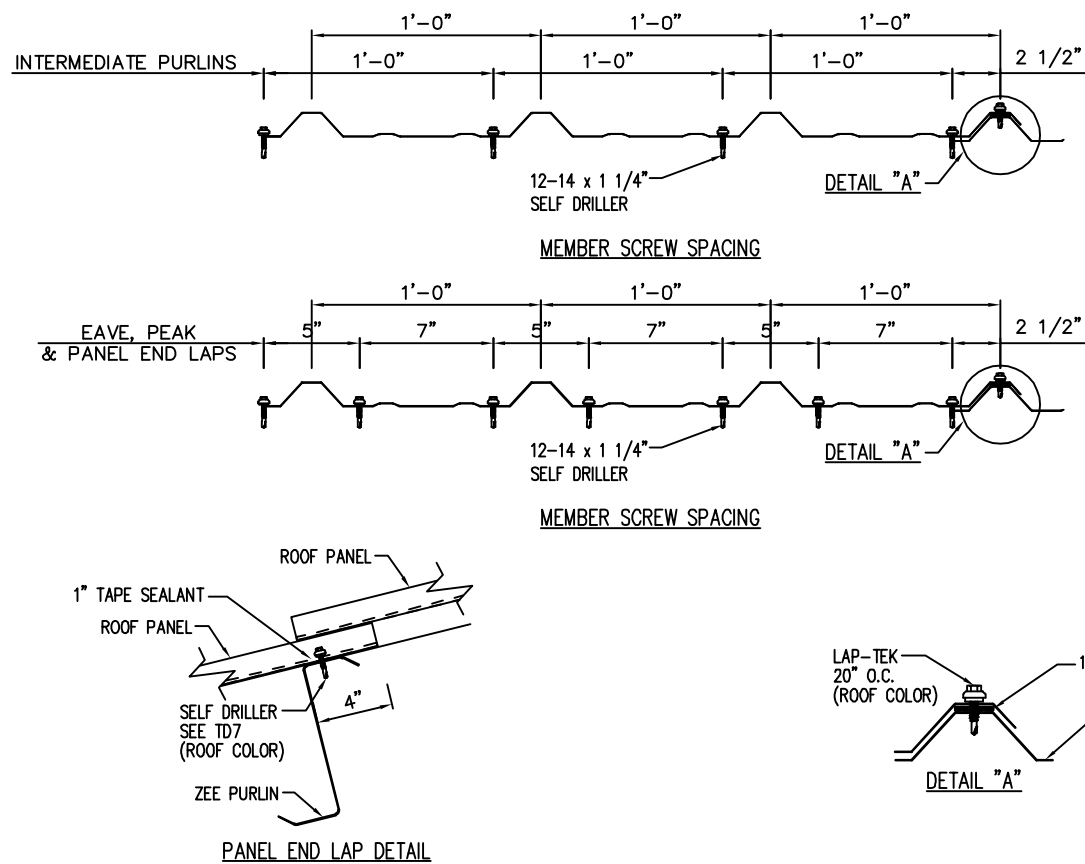
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SHEET TITLE:	DETAIL DRAWINGS

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Fastener Location at Roof - PBR

DRAWING NO. TD7

Created On: 08/13/18

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

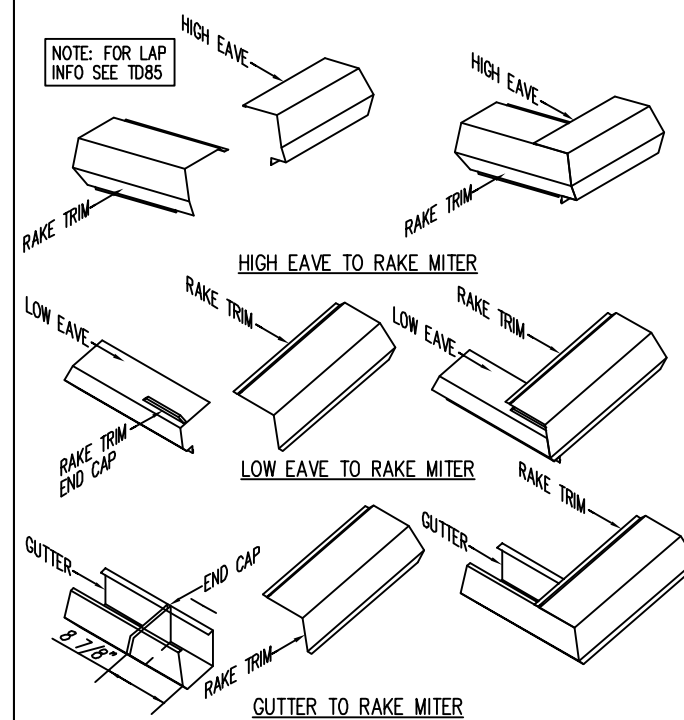
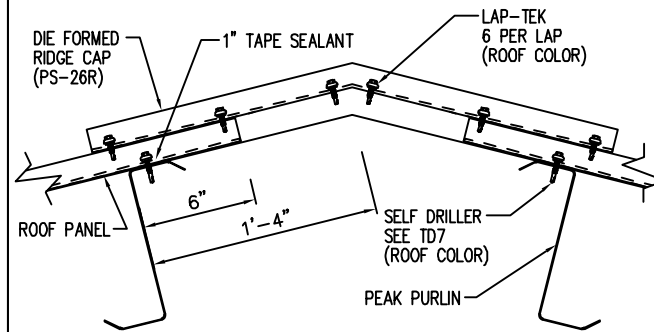
DRAWING NO. TD8

Created On: 08/13/18

Sculptured Trim Detail - PBR

DRAWING NO. TD13

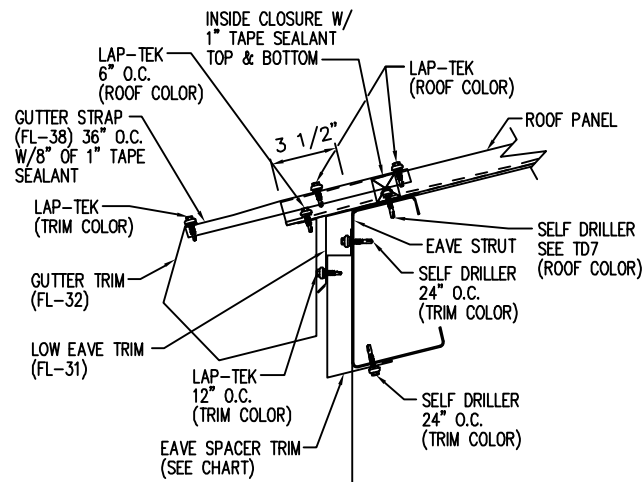
Created On: 08/13/18



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.

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SHEET TITLE:	DETAIL DRAWINGS

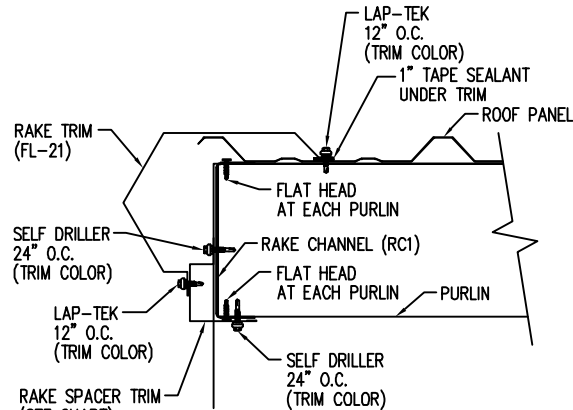


TRIM CHART	
PURLIN SIZE	PIECE MARK
8"	FL-80
10"	FL-500
12"	FL-500

Low Eave Gutter Detail - PBR
Sculptured Gutter - Open Wall - No Soffit

DRAWING NO. TD14

Created On: 08/08/18

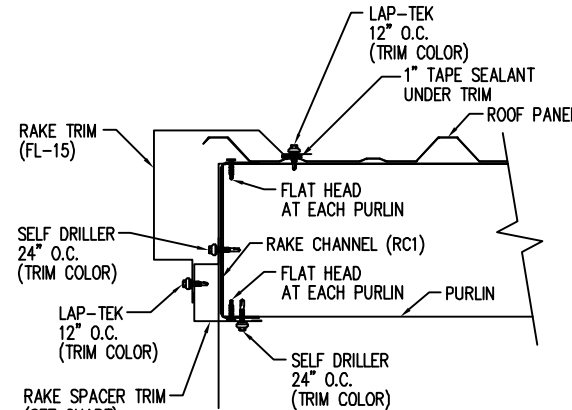


TRIM CHART	
PURLIN SIZE	PIECE MARK
8"	FL-78
10"	FL-365
12"	FL-366

Rake Detail - PBR
Sculptured Rake - Open Wall - No Soffit

DRAWING NO. TD24

Created On: 08/08/18

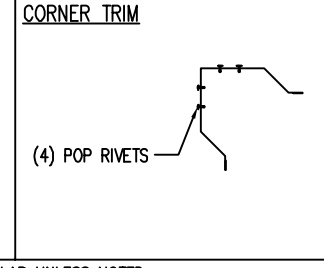
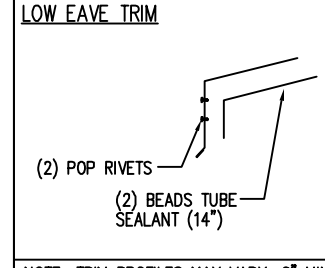
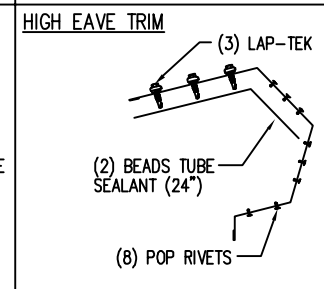
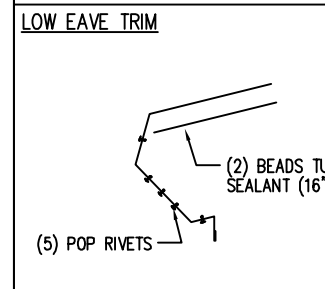
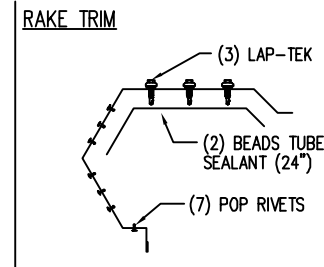
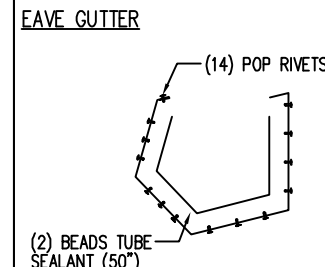


TRIM CHART	
PURLIN SIZE	PIECE MARK
8"	FL-78
10"	FL-365
12"	FL-366

Rake Detail - PBR
Box Rake - Open Wall - No Soffit

DRAWING NO. TD25

Created On: 08/08/18

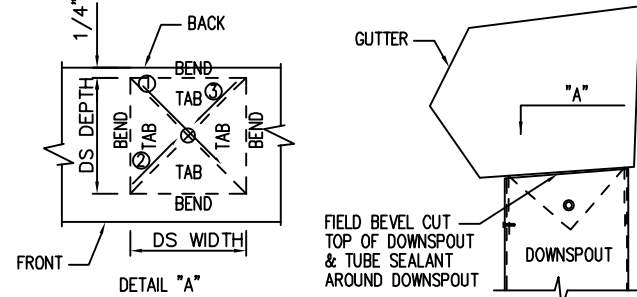
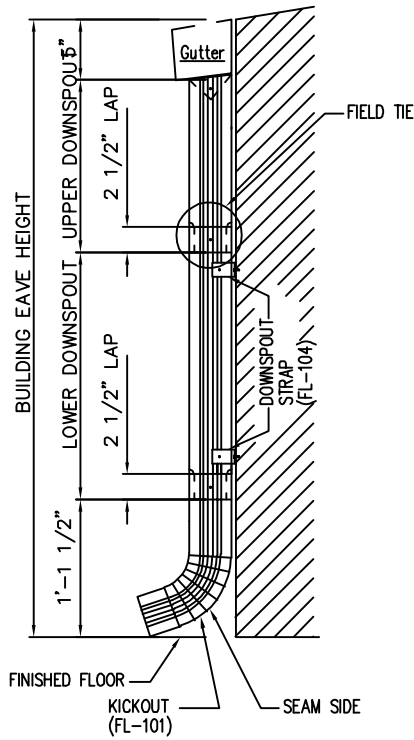


NOTE: TRIM PROFILES MAY VARY; 2" MIN. LAP UNLESS NOTED
NOTE: TUBE SEALANT (NOT BY G.W.B.)

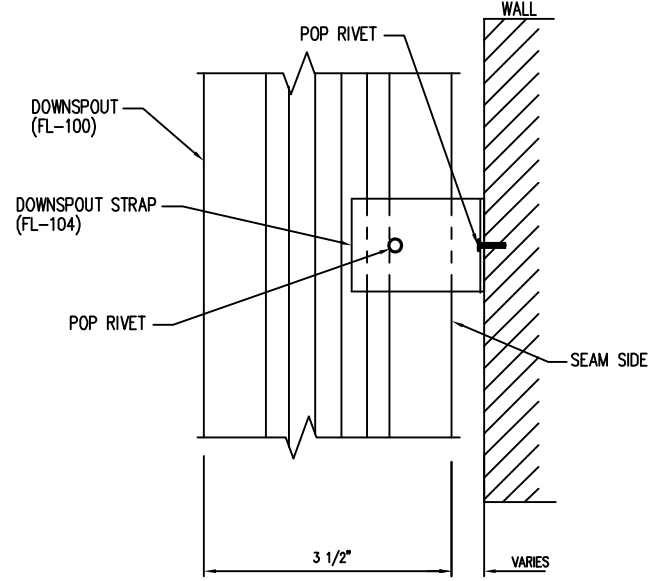
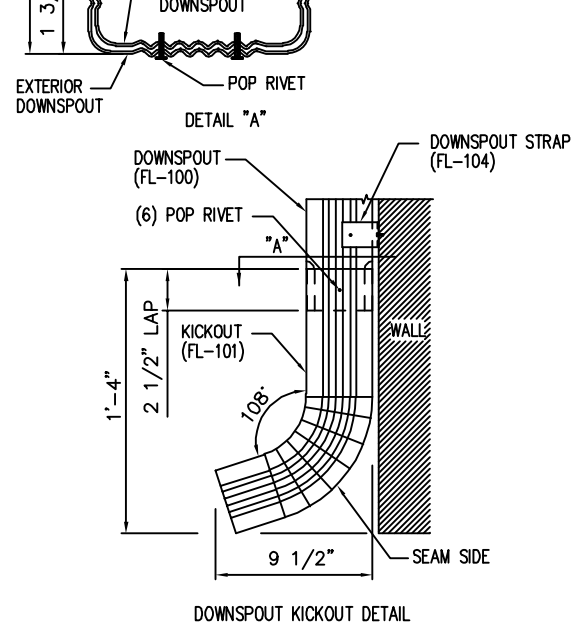
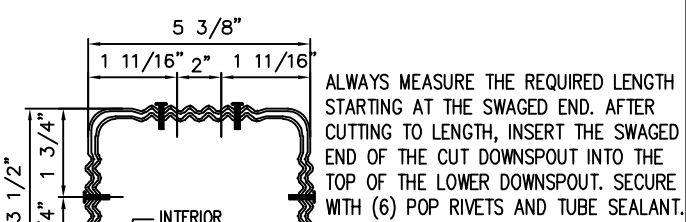
Trim Laps - PBR Sculptured

DRAWING NO. TD85

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- 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.



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CHK.	MEZ
DWN.	MEZ
DATE	/ /
ISSUE	APPROVAL

NOTE: REFERENCE DETAIL TD96 FOR SPLICE DETAIL.

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

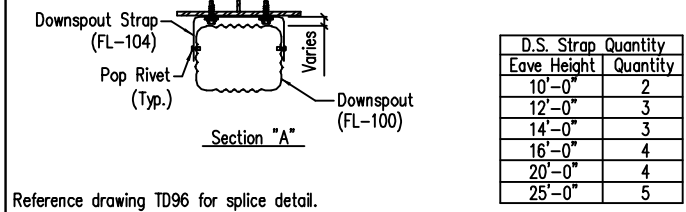
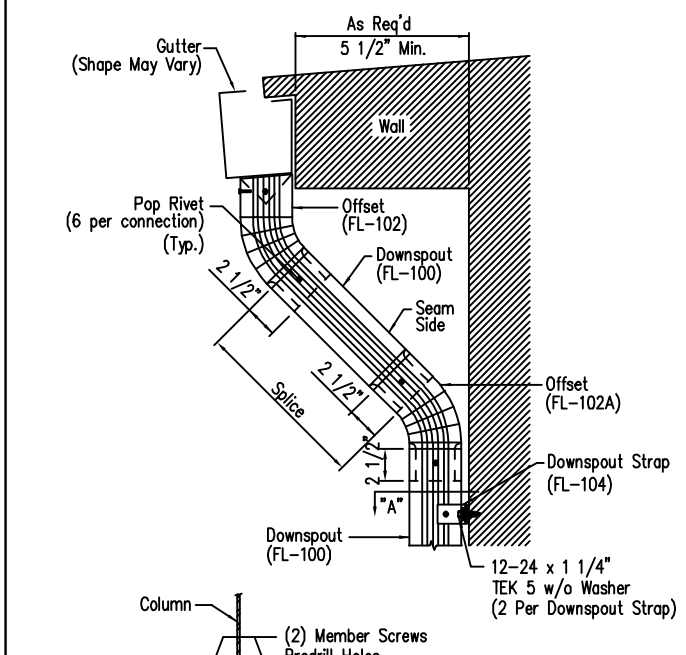
Downspout Elevation
 3 1/2" x 5 3/8" Roll-Form
 DRAWING NO. TD90

Downspout to Gutter Attachment Detail
 DRAWING NO. TD95

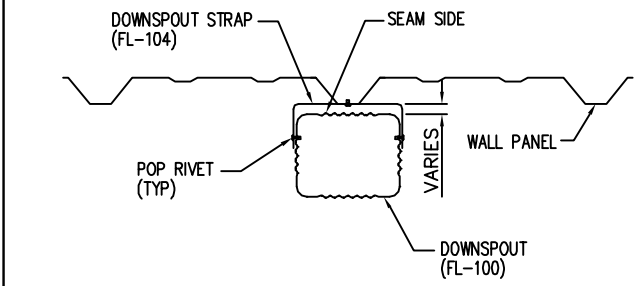
Downspout Kickout and Splice Detail
 3 1/2" x 5 3/8" Roll-Form
 DRAWING NO. TD96

Downspout Strap Attachment Detail
 3 1/2" x 5 3/8" Roll-Form
 DRAWING NO. TD97

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



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



Downspout Strap Attachment Detail - PBR
 3 1/2" x 5 3/8" Roll-Form
 DRAWING NO. TD98

Full Height Open Wall
 3 1/2" x 5 3/8" Roll-Form
 DRAWING NO. TD100

CUSTOMER NAME: _____
 PROJECT NAME: _____
 PROJECT LOCATION: _____
 PROJECT COUNTY: _____
 PROJECT END USE: _____
 CUSTOMER PHONE NUMBER: _____
 CUSTOMER EMAIL: _____
 SCALE: N.T.S.
 SHEET NUMBER: _____
 JOB NUMBER: 94852-86504
 SHEET TITLE: DETAIL DRAWINGS

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