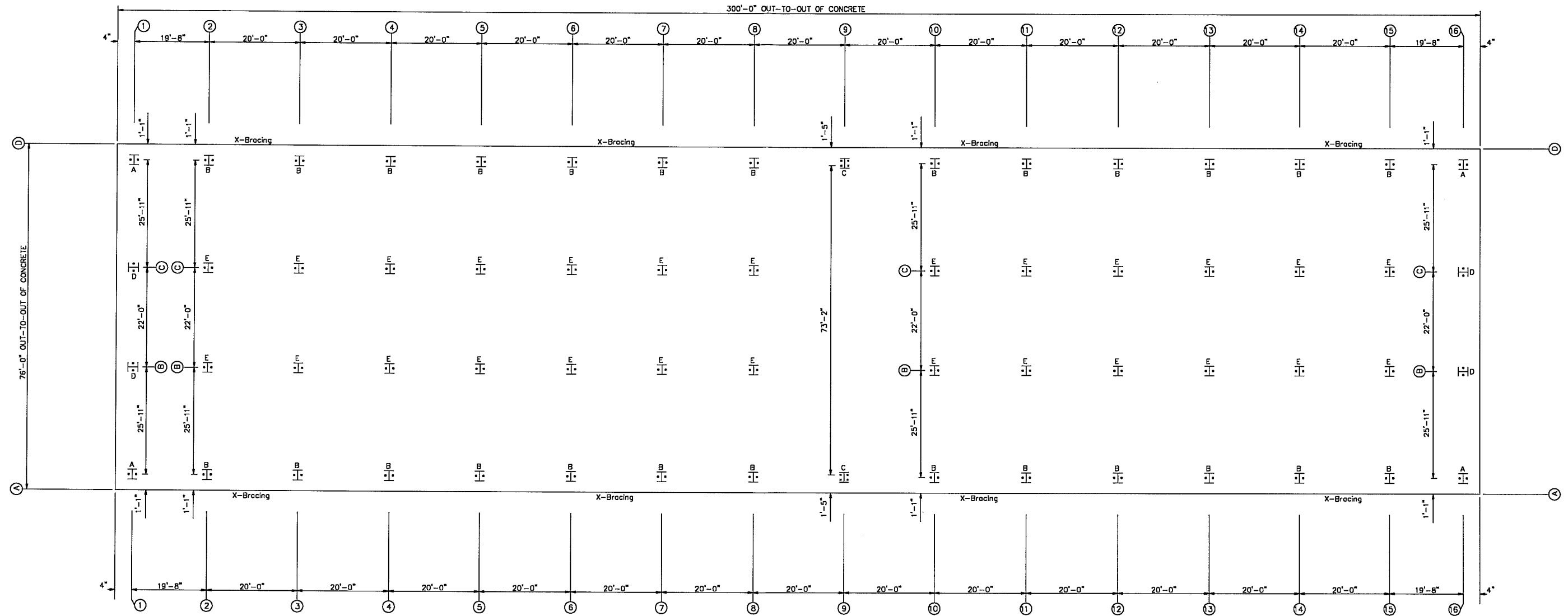


O Dia= 3/4"
X Dia= 7/8"



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

NOTE: BUILDING IS DESIGNED
TO REMAIN OPEN.

SHEETING DESCRIPTION

ROOF SHEETING 26 GA. COLOR: GA = Galvalume

WEDGCO INC.	
BUYER: BUILT RITE SYSTEMS	DRAWN BY: J
CUST: DAVIS COUNTY	6-27-00
DESCR: 76.0x300.0x12.0	2:12 CHECK BY: DS
SITE: FARMINGTON, UT	8-27-00
SCALE: NONE	ENG. BY:
P.O.#: W24339	SHEET NO: A1 OF 2

NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as 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:

Width (ft)

=

76.0

Length (ft)

=

300.0

Eave Height (ft)

=

12.0/12.0

Roof Slope (rise/run)

=

2.0/2.0

Dead Load (psf)

=

2.2

Collateral Load (psf)

=

0.0

Live Load (psf)

=

20.0

Snow Load (psf)

=

30.0

Wind Speed (mph)

=

100.0

Wind Code

=

UBC 97

Exposure

=

B

Closed/Open

=

P

Importance

=

1.00

Seismic Coeff

=

0.36

Seismic Zone

=

3
5. Loading conditions are:

1

DL+CO+LL

2

DL+WL1

3

DL+WR1

4

DL+WL2

5

DL+WR2

6

DL+CO+LL+WL2/2

7

DL+CO+LL+WR2/2

8

DL+LL/2+WL2

9

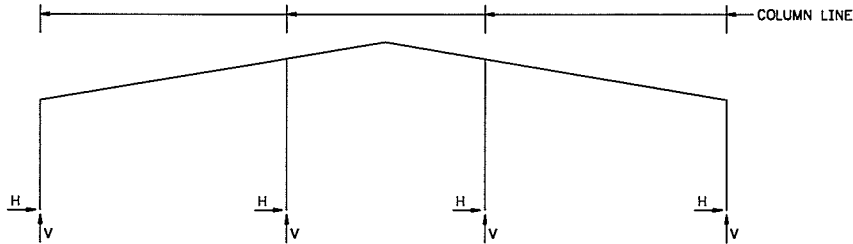
DL+LL/2+WR2

ANCHOR BOLT SUMMARY

Qnt	Loc	Dia (in)	Total Len (in)	Bend Len (in)	Proj (in)
O 120	RF	3/4"	17.50	2.50	2.00
X 8	RF	7/8"	20.50	2.50	2.00

GENERAL NOTES

1. ANCHOR BOLTS AND ANY OTHER ITEMS EMBEDDED IN CONCRETE, INCLUDING ALL MASONRY FASTENERS AND ANCHORS, ARE NOT BY BUILDING MANUFACTURER.
2. FOUNDATION DESIGN OR ANY OTHER CONCRETE DESIGN IS NOT BY BUILDING MANUFACTURER (CONSULT A LOCAL ENGINEER FOR THE DESIGN OF FOUNDATION AND CONCRETE WORK).
3. BASE PLATES ARE DESIGNED ASSUMING CONCRETE HAS A MINIMUM STRENGTH OF 2500 psi AT 28 DAYS.
4. BASE PLATE SIZES ARE 3" x 8" UNLESS NOTED.
5. ALL REACTIONS ARE GIVEN IN KIPS (1000 LBS.)
- MATERIAL SPECIFICATIONS
1. GIRTS, PURLINS, AND EAVE STRUTS: ASTM A570, GRADE 55.
2. 11 GA. AND 7 GA. WEB PLATE: ASTM A570, GRADE 50.
3. .025 AND GREATER WEB PLATE: ASTM A572, GRADE 50.
4. BAR STOCK: ASTM A529, GRADE 50.
5. SHEETING: ASTM A446, GRADE "E" 80,000 psi / ASTM A792 GRADE 80 80,000 psi.
6. TRIM: ASTM A446, GRADE "D" 50,000 psi.
7. BRACING: EHS ZINC COATED STEEL WIRE STRAND CONFORMING TO: ASTM A475-72a
8. ANCHOR BOLT: ASTM A307 OR A36 ROD MATERIAL.
9. HIGH STRENGTH BOLTS: ASTM A325 (USED WHERE SPECIFIED ON DRAWINGS). ASTM A325 BOLTS USED ON RIGID FRAME MOMENT CONNECTIONS ARE DESIGNED AS BEARING TYPE CONNECTIONS, AND THREADS ARE INCLUDED IN THE SHEAR PLANE.
- TURN OF THE NUT METHOD IS TO BE USED IN TIGHTENING THE HIGH STRENGTH MOMENT CONNECTION BOLTS. SPECIAL INSPECTION OF THE TIGHTENING OF THESE BOLTS IS REQUIRED AS SPECIFIED ON BUILDING CODES.



RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	Column Reactions (k)			
				V Vmax	Load Id	Hmin H	V Vmin
1 • B		9	2.4	1.4	4	-2.4	0.0
		1	1.6	5.2	2	-2.2	-3.1
1 • A		5	2.4	0.0	8	-2.4	1.4
		1	-1.6	5.2	3	2.2	-3.1
1 • 27.0		5	0.0	-5.5	6	0.0	9.4
		6	0.0	9.4	5	0.0	-5.5
1 • 49.0		4	0.0	-5.5	7	0.0	9.4
		7	0.0	9.4	4	0.0	-5.5
1 • Frame lines: 1 16							

RIGID FRAME: MAXIMUM REACTIONS

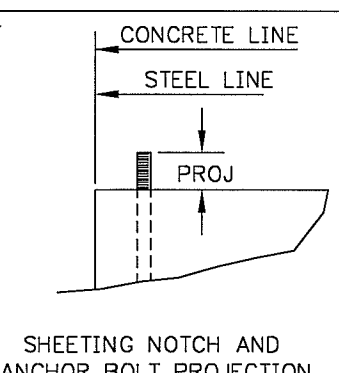
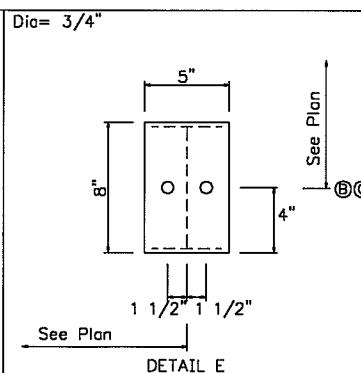
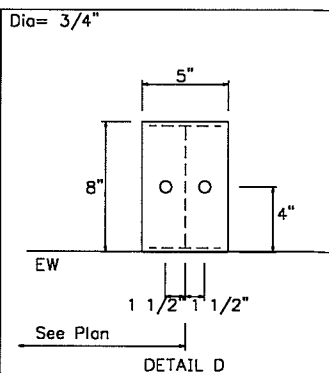
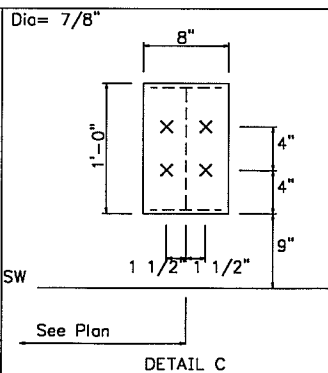
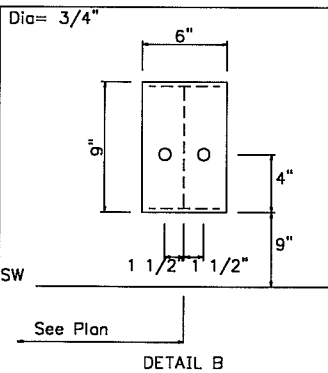
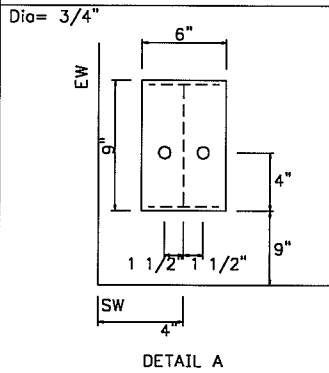
Frm Line	Col Line	Load Id	Column Reactions (k)					
			Hmax H	Vmax	Load Id	Hmin H	Vmin	
2 • B		9	4.7	2.5	4	-4.7	-0.2	
		1	3.1	9.9	2	-4.3	-6.3	
2 • A		5	4.7	-0.2	8	-4.7	2.5	
		1	-3.1	9.9	3	4.3	-6.3	
2 • 27.0		5	0.0	-11.2	6	0.0	18.4	
		6	0.0	18.4	5	0.0	-11.2	
2 • 49.0		4	0.0	-11.2	7	0.0	18.4	
		7	0.0	18.4	4	0.0	-11.2	
2 • Frame lines: 2 3 4 5 6 7 8 10 11 12 13 14 15								

RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	Column Reactions (k)			
				V Vmax	Load Id	Hmin H	V Vmin
9	B	1	23.2	26.0	2	-14.0	-13.4
9	A	3	14.0	-13.4	1	-23.2	26.0
		1	-23.2	26.0	3	14.0	-13.4

BRACING REACTIONS, PANEL SHEAR

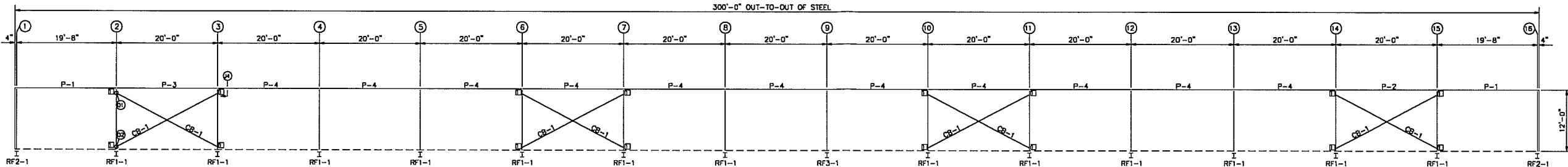
Wall Id	Col Id	Bracing (k)		Panel Shear Load at Base Angle (lb/ft)
		Horiz Reactn	Vert Reactn	
1 A	2 ,3	4.7	2.4	0
	6 ,7	4.7	2.4	
	10,11	4.7	2.4	
	14,15	4.7	2.4	
16 B	14,15	4.7	2.4	0
	10,11	4.7	2.4	
	6 ,7	4.7	2.4	
	2 ,3	4.7	2.4	



SHEETING NOTCH AND ANCHOR BOLT PROJECTION

MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
P-1	6.5214	22'-11"
P-2	6.5216	25'-0"
P-3	6.5216	25'-0"
P-4	6.5216	24'-0"
CB-1	5/16" Dia.	20'-2"

CONNECTION PLATES		
FRAME LINE A		
P ID	MARK/PART	
1	FC-191	

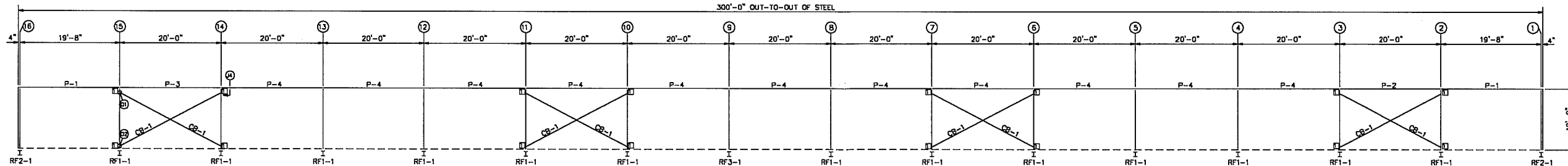


SIDEWALL FRAMING: LINE A

NOTE: BUILDING DESIGNED TO
REMAIN OPEN.

MEMBER TABLE		
FRAME LINE D		
MARK	PART	LENGTH
P-1	6.5214	22'-11"
P-2	6.5216	25'-0"
P-3	6.5216	25'-0"
P-4	6.5216	24'-0"
CB-1	5/16" Dia.	20'-2"

CONNECTION PLATES		
FRAME LINE A		
P ID	MARK/PART	
1	FC-191	



SIDEWALL FRAMING: LINE D

NOTE: BUILDING DESIGNED TO
REMAIN OPEN.

GENERAL NOTES:

At framed openings the sheeting is field cut as required.

PBA-10 NOTE: (if shown on drawings) PBA-10 is located as shown, one row is at midpoint of bay, two rows are at 1/3 points of bay, three rows are at 1/4 points of bay.

▲

▲

▲

WEDGECOR INC.

BUYER: BUILT RITE SYSTEMS

CUST: DAVIS COUNTY

DESCR: 76.0x300.0x12.0

SITE: FARMINGTON, UT

SCALE: NONE

P.O.#: W24339

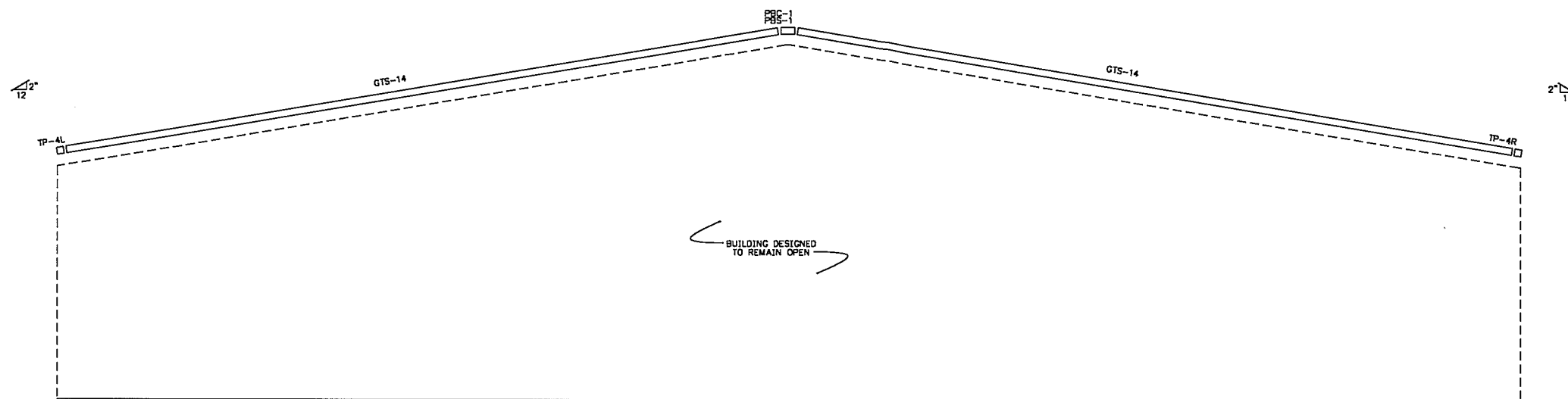
DRAWN BY: J.

6-27-00

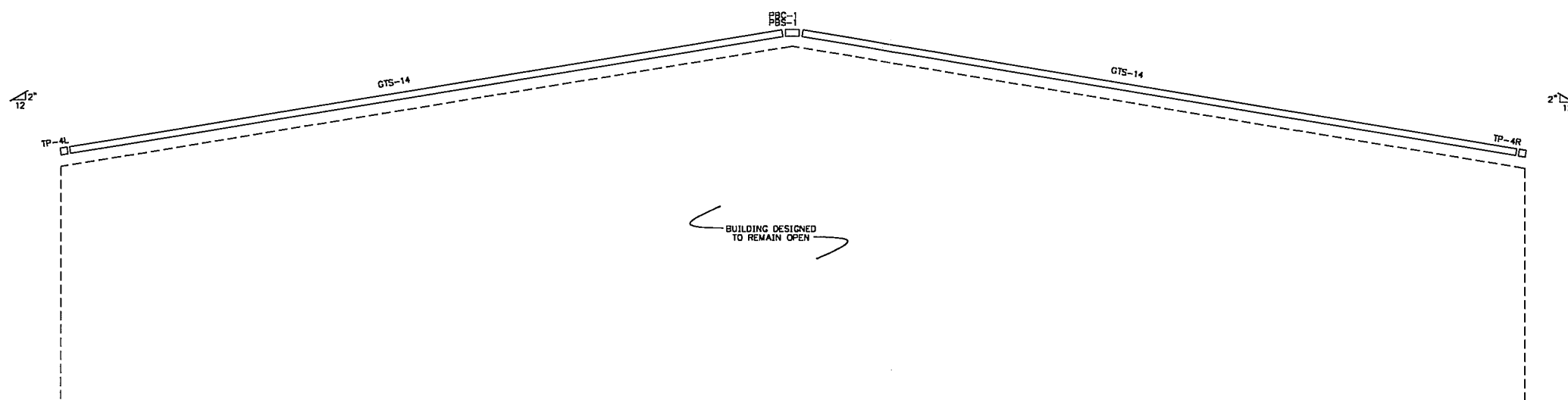
CHECK BY:

ENG. BY:

SHEET NO.: 11 OF 18



ENDWALL SHEETING & TRIM: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 16

GENERAL NOTES:

At framed openings and greater than 1:12 roof pitch the sheeting is field cut as required.

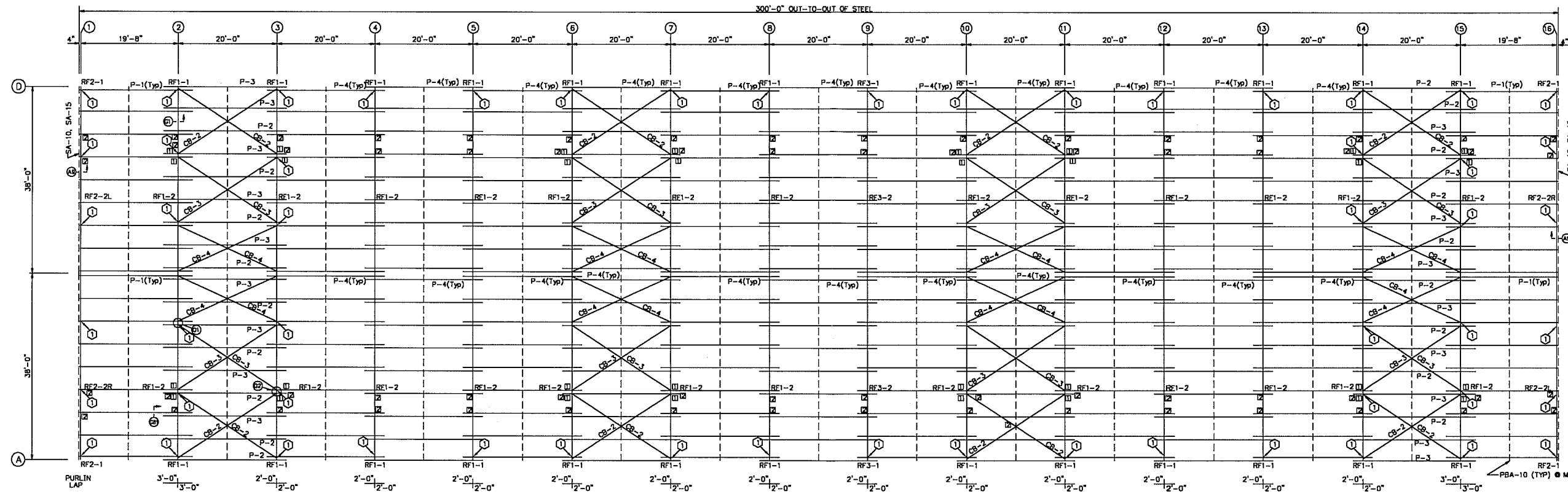
PBA-10 NOTE: (if shown on drawings) PBA-10 is located as shown, one row is at midpoint of bay, two rows are at 1/3 points of bay. If shown at center bay, locate 8" off centerline.

WEDGECOR INC.			
BUYER: BUILT RITE SYSTEMS	DRWN BY: J.		
CUST: DAVIS COUNTY	6-27-00		
DESCR: 76.0x300.0x12.0	2:12	CHECK BY:	
SITE: FARMINGTON, UT		ENG. BY:	
SCALE: NONE		SHEET NO: 62 OF 6	
P.O.#: W24339			

MARK	PART	LENGTH
P-1	6.5Z14	22'-11"
P-2	6.5Z16	25'-0"
P-3	6.5Z18	25'-0"
P-4	6.5Z16	24'-0"
CB-2	5/16" Dia.	22'-2"
CB-3	5/16" Dia.	22'-4"
CB-4	5/16" Dia.	20'-8"

CONNECTION PLATES FOR ROOF	
ID	MARK/PART
1	FC-191
2	FC-180

① USE (2) 1/2" x 1/4" A325 BOLTS AT PURLIN TO RAFTER CONNECTION.



ROOF FRAMING PLAN

ROOF SHEETING

- STUB PURLIN NOTES:
- 1) Stub purlin as required on roof plan.
 - 2) FC-27 with 6 1/2" purlins.
 - 3) FC-28 with 9" purlins.
 - 4) See section A1, A2, A3, or A9.
 - 5) Locate stub purlin under roof purlin.

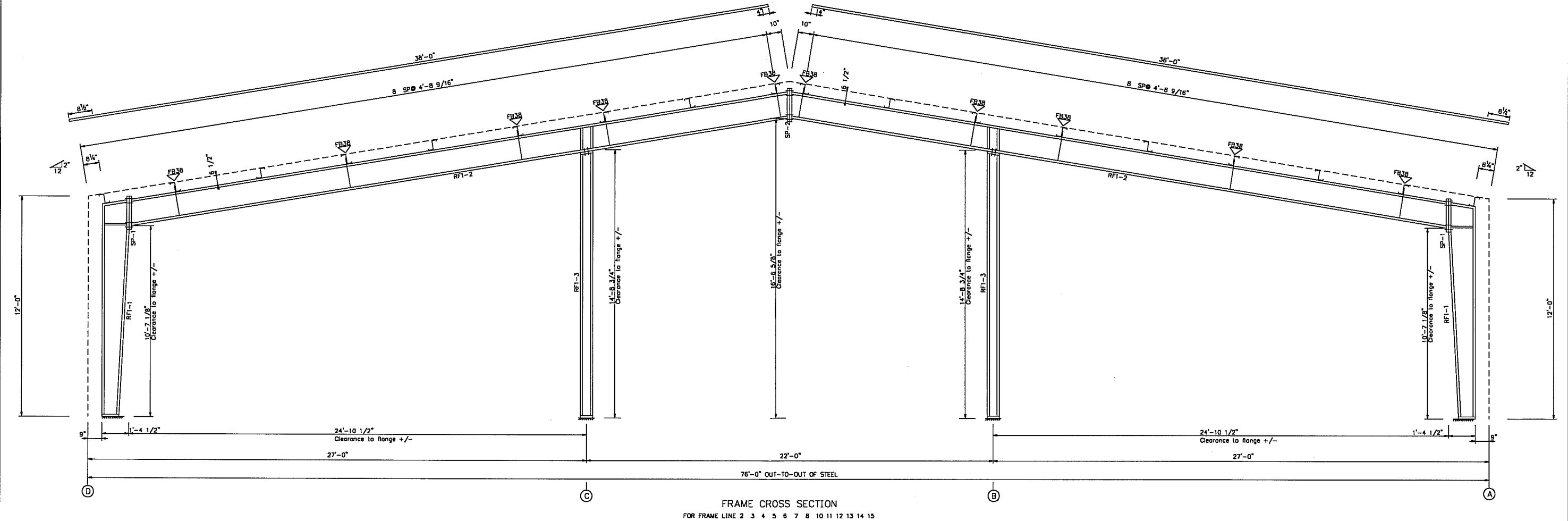
WHEN GALVALUME (GA) AND GALVANIZED (GV) MATERIALS COME IN CONTACT WITH ONE ANOTHER, A SURFACE COATING REACTION COULD OCCUR OVER A PERIOD OF TIME, DUE TO CONDENSATION OR HIGH HUMIDITY CONDITIONS. BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR MATERIAL DAMAGE CAUSED BY THIS REACTION. TO PREVENT THIS REACTION, FELT OR SEALANT SHOULD BE PLACED BETWEEN THESE SURFACES TO PREVENT DIRECT CONTACT OF ONE SURFACE WITH THE OTHER, FELT OR SEALANT NOT BY BUILDING MANUFACTURER.

WEDGECOR INC.	
BUYER: BUILT RITE SYSTEMS	DRAWN BY: J.
CUST: DAVIS COUNTY	6-27-00
DESCR: 76.0x300.0x12.0	2:12 CHECK BY: _____
SITE: FARMINGTON, UT	ENG. BY: _____
SCALE: NONE	SHEET NO: 23 OF 8
P.O.#: W24330	

SPLICE PLATES & BOLTS											CAP PLATE BOLTS				
Splice Mark	Top Of Plate				Bottom Of Plate				Plate Size		Col Id				
	Qty	Typ	Dia	Len	Qty	Typ	Dia	Len	Wid	Thick		Length	Qty	Typ	Dia
Sp- 1	4	A325	0.750	2.00	4	A325	0.750	2.00	6"	1/2"	1'-8 7/16"	RF1-4	4	A325	.750 1.75
Sp- 2	4	A325	0.750	2.00	4	A325	0.750	2.00	5"	1/2"	1'-8 7/16"	RF1-5	4	A325	.750 1.75

FLANGE BRACES: Both Sides(U.N.)
FBxx: xx=length(in)

PIECE	MEMBER SIZE TABLE (in)				OUTSIDE FLANGE	INSIDE FLANGE
	WEB DEPTH	WEB PLATE	THICK	LENGTH		
RF1-1	8.0/15.6	0.112	117.0	117.0	6 x 1/4" x 138.3	6 x 1/4" x 124.0
RF1-2	15.6/16.0	0.112	24.0	24.0	6 x 1/4" x 16.4	5 x 3/16" x 316.4
	14.0/14.0	0.112	120.0	120.0	5 x 3/16" x 205.4	5 x 3/16" x 316.4
	14.0/14.0	0.112	105.3	105.3	5 x 3/16" x 229.8	5 x 1/4" x 118.8
	14.0/14.0	0.112	24.0	24.0		
	14.0/14.0	0.179	64.7	64.7		
	14.0/14.0	0.112	99.5	99.5		
RF1-4	14.0/14.0	0.112	24.0	24.0		
	W08532					

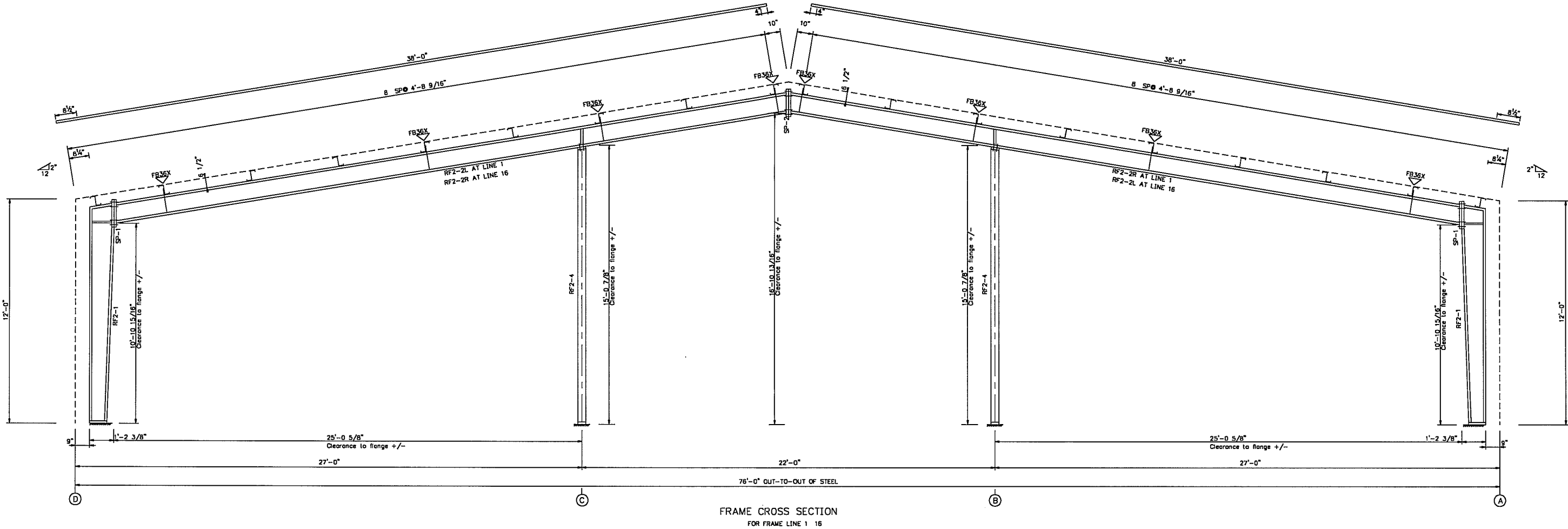


WEDGECOR INC.			
BUYER: BUILT RITE SYSTEMS	DRAWN BY: J.		
CUST: DAVIS COUNTY	6-27-00		
DESIGN: 76.0x300.0x12.0	2:12	CHECK BY:	
SITE: FARMINGTON, UT		ENG. BY:	
SCALE: NONE		SHEET NO: E4 OF 8	
P.O.#: W24330			

SPICE PLATES & BOLTS						CAP PLATE BOLTS					
Splice Mark	Qty	Top Of Plate	Bottom Of Plate	Plate Size		Cap Id	Qty	Top Of Plate	Bottom Of Plate	Plate Size	
Sp- 1	4	A325 0.750 2.00	4	A325 0.750 2.00	6" 1/2" 1'-4 5/16"	RF2-4	4	A325 .750 1.75			
Sp- 2	4	A325 0.750 2.00	4	A325 0.750 2.00	5" 1/2" 1'-4 5/16"	RF2-4	4	A325 .750 1.75			

▽FLANGE BRACES: For Side at Line 1
Near Side at Line 16
FBxxX: xx=length(in)

MEMBER SIZE TABLE (in)						
PIECE	WEB DEPTH	WEB PLATE	OUTSIDE FLANGE	INSIDE FLANGE		
START/END	THICK	LENGTH	W x T x LEN	W x T x LEN		
RF2-1	8.0/13.5	0.112	116.7	6 x 3/16" x 138.3	6 x 3/16" x 127.7	
RF2-2	13.5/14.0	0.112	24.0	6 x 3/16" x 14.4		
	10.0/10.0	0.112	120.0	5 x 3/16" x 207.5	5 x 3/16" x 218.61	
	10.0/10.0	0.112	120.0	5 x 3/16" x 229.8		
	10.0/10.0	0.112	78.9			
RF2-4	W08532					

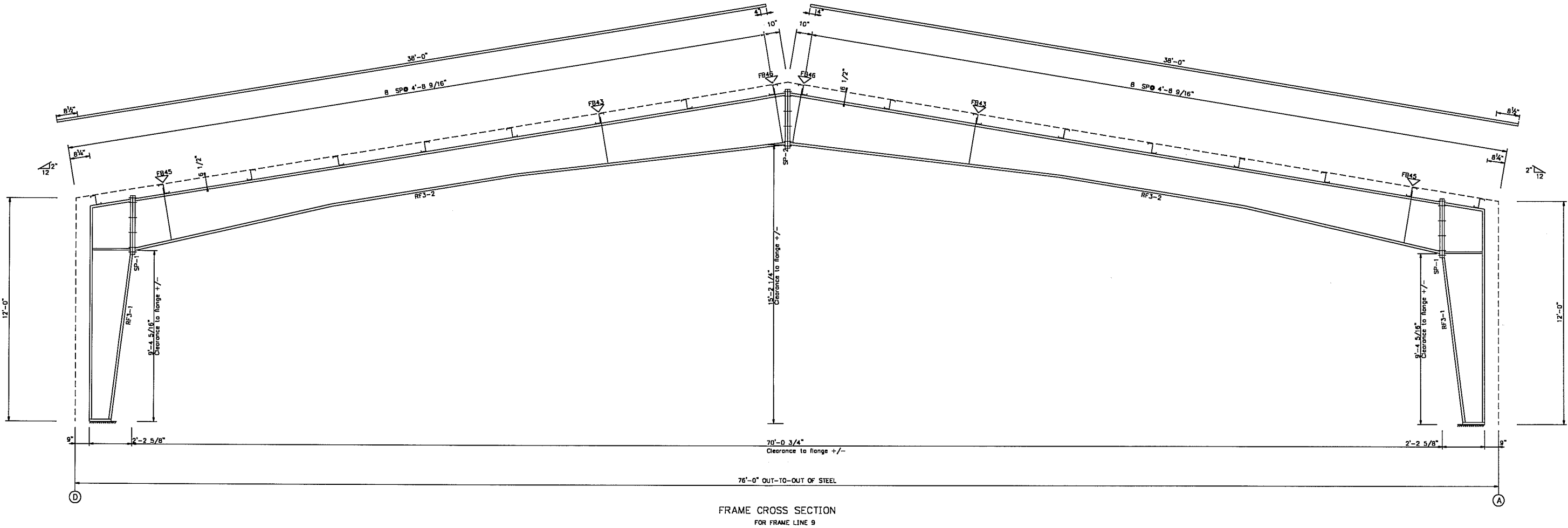


WEDGECOR INC.	
BUYER: BUILT RITE SYSTEMS	DRAWN BY: JL
CUST: DAVIS COUNTY	6-27-00
DESCR: 78.0x300.0x12.0	CHECK BY:
SITE: FARMINGTON, UT	ENG. BY:
SCALE: NONE	SHEET NO: 23 OF 8

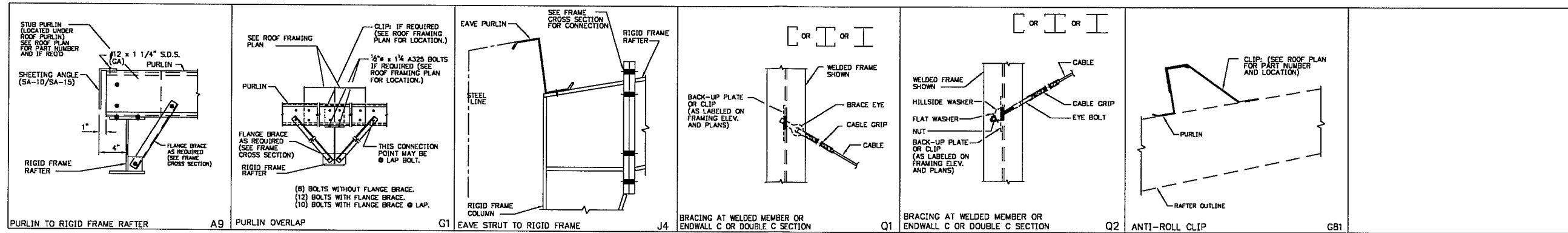
SPICE PLATES & BOLTS										
Splice Mark	Qty	Top Of Plate	Bottom Of Plate	Plate Size						
		Typ Dia Len	Typ Dia Len	Wid Thick Length						
Sp- 1	8	A325 0.875 2.25	4 A325 0.875 2.25	8" 1/2" 3'-0 13/16"						
Sp- 2	8	A325 0.750 2.00	4 A325 0.750 2.00	8" 1/2" 3'-0 11/16"						

FLANGE BRACES: Both Sides(U.N.)
FBxx: xx=length(in)

MEMBER SIZE TABLE (in)						
PIECE	WEB DEPTH	WEB PLATE	OUTSIDE FLANGE	INSIDE FLANGE		
	START/END	THICK	LENGTH	W x T x LEN	W x T x LEN	
RF3-1	11.0/26.0	0.250	118.5	8 x 1/4" x 138.2	8 x 3/8" x 110.0	
RF3-2	26.0/26.0	0.250	24.0	8 x 3/8" x 26.5		
	30.0/23.5	0.250	106.1	8 x 1/4" x 425.0	8 x 3/8" x 130.3	
	23.5/22.0	0.250	24.0		8 x 1/4" x 120.0	
	22.0/22.0	0.179	120.0		8 x 1/4" x 175.1	
RF3-3	22.0/27.5	0.179	120.0			
	27.5/30.2	0.179	60.0			
	26.0/26.0	0.250	24.0	8 x 3/8" x 26.5	8 x 3/8" x 110.0	
	26.0/11.0	0.250	118.5	8 x 1/4" x 138.2		



WEDGECOR INC.	
BUYER: BUILT RITE SYSTEMS	DRAWN BY: J.
CUST: DAVIS COUNTY	5-27-00
DESCR: 76.0x300.0x12.0	2:12 CHECK BY:
SITE: FARMINGTON, UT	ENG. BY:
SCALE: NONE	SHEET NO: 08 OF 8
P.O.#: W24339	



BUILT-UP COLUMN MEMBER ID, format is WAABCD where:
 W = welded member type,
 AA = member depth in inches,
 B = flange width in inches, 5=5", 6=6", 8=8", 10=10", 12=12"
 C = flange thickness in 1/16 inch units,
 3=3/16", 4=1/4", 6=3/8", 8=1/2", 10=5/8", 12=3/4"
 D = web thickness in 1/16 inch units,
 2=.112, 3=.179, 4=.250, 5=.3125, 6=.375

- GENERAL NOTES:**
- 1) ALL BOLTS TO BE 1/2" x 1 1/4" A-307 (U.N.)
 - 2) VIEW IS FROM OUTSIDE OF BUILDING (U.N.)
 - 3) ALL DIMENSIONS ARE +/-
 - 4) MATCH SHOP MARK.
 - 5) ATTACH CABLE GRIP AND SIDEWALL CABLE TO FC-186 BEFORE INSTALLING CLIP (IF REQUIRED SEE DETAIL Q8).
 - 6) SEE FRAME CROSS SECTION FOR PURLIN AND GIRT ORIENTATION.

WEDGECOR INC.	
BUYER: BUILT RITE SYSTEMS	DRAWN BY: J.
CUST: DAVIS COUNTY	6-27-00
DESCR: 75.0x300.0x12.0	2:12 CHECK BY:
SITE: FARMINGTON, UT	
SCALE: NONE	ENG. BY:
P.O.#: W24339	SHEET NO.: 01 OF 1

