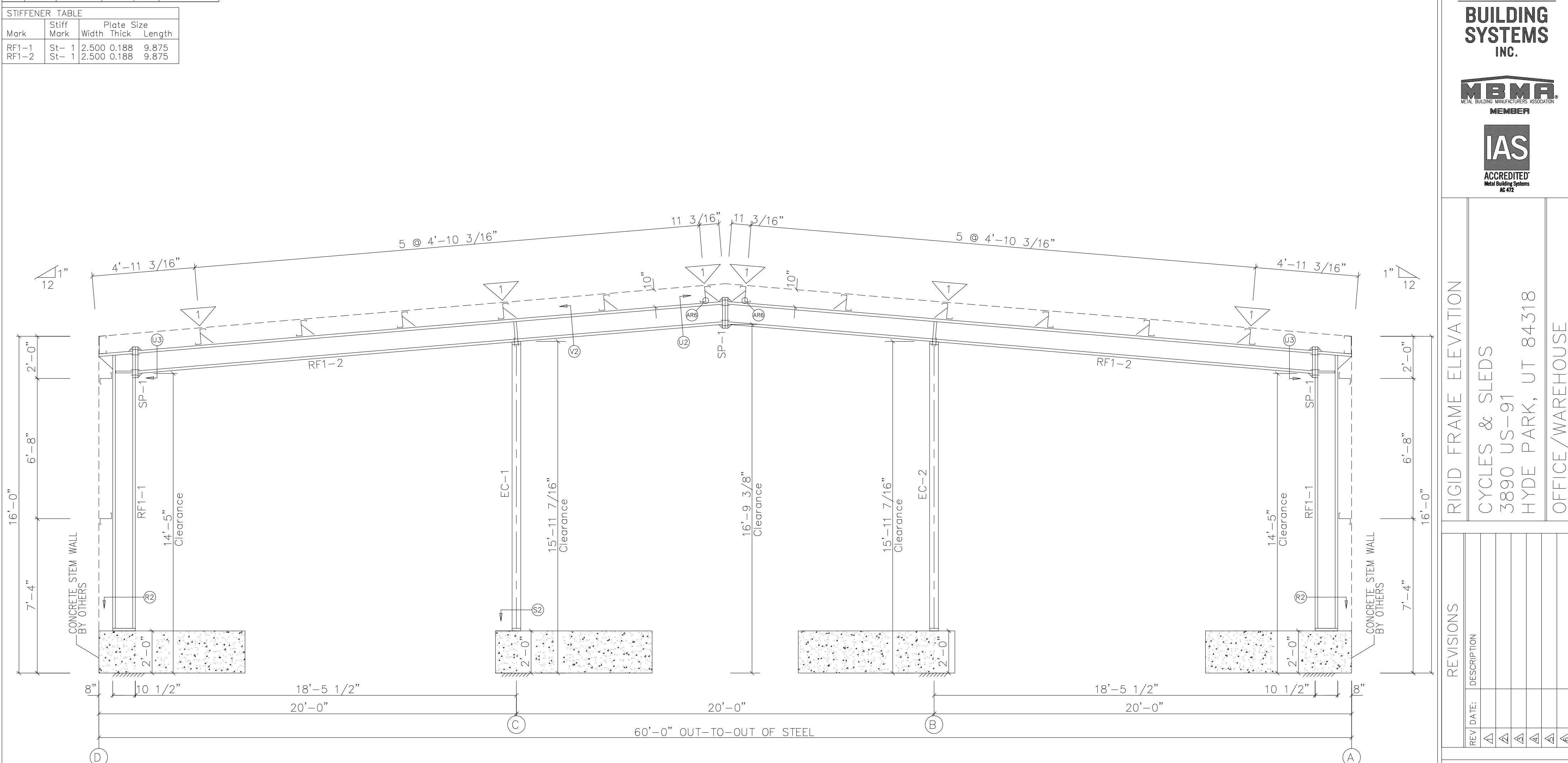


SPLICE PLATE & BOLT TABLE								
Mark	Cap Plate Bolts				Width	Thick	Length	Mark
	Qty	Top	Bot	Int	Type	Dia	Length	
SP-1	4	4	0	A325	0.750	2.13	6"	EC-1
					3/8"	1"-5 3/8"		EC-2

FLANGE BRACE TABLE			
FRAME LINE 1			
VID	#	MARK	LENGTH
1	1	FB1	1'-4 1/4"

STIFFENER TABLE			
Mark	Stiff	Plate Size	
	Mark	Width	Thick
RF1-1	St-	1	2.500
RF1-2	St-	1	2.500
		0.188	9.875
		0.188	9.875

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	10.0/10.0	0.135	158.9	6 x 1/4" x 158.0	6 x 1/4" x 145.2			
RF1-2	10.0/10.0	0.135	240.0	6 x 1/4" x 18.3	6 x 1/4" x 341.8			
EC-1	08B14	0.135	102.6					
EC-2	08B14	0.135						



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RIGID FRAME ELEVATION
CYCLES & SLEDS
3890 US-91
HYDE PARK, UT 84318
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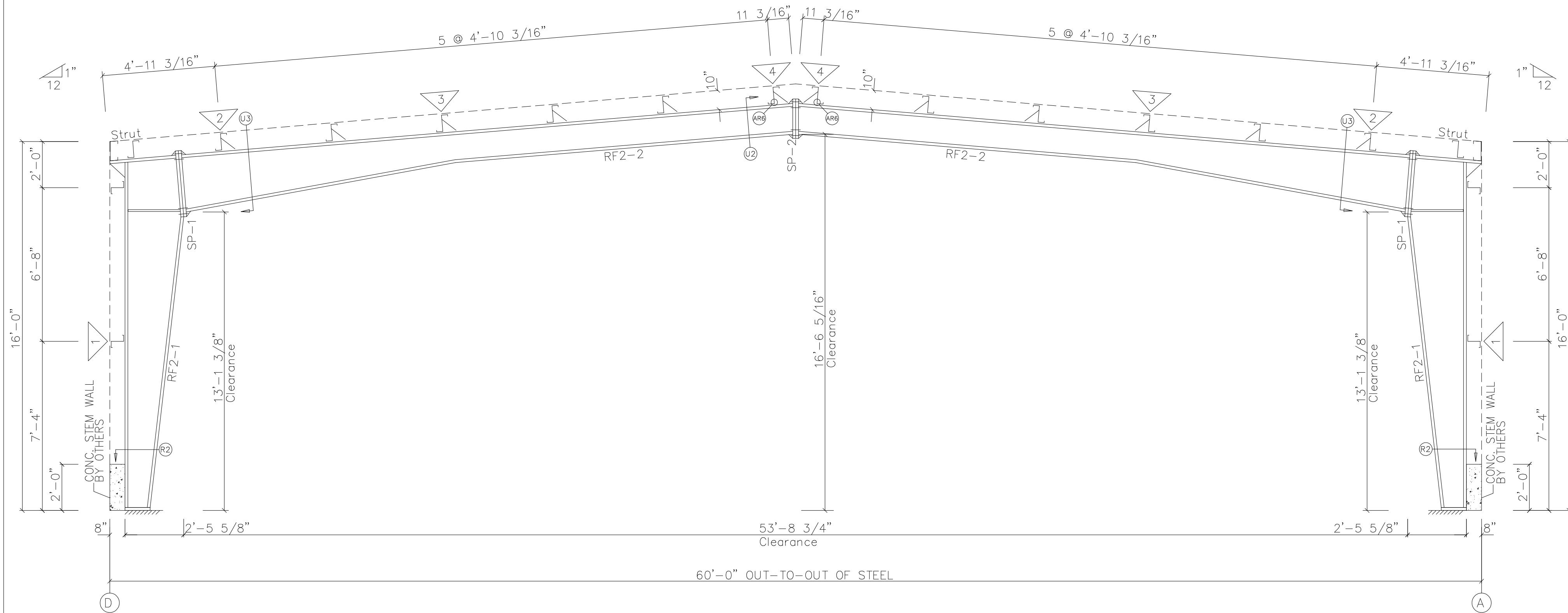
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JOB # 20113780
SHEET 3 OF 16 REV 0

SPLICING PLATE & BOLT TABLE									
Mark	Qty						Width	Thick	Length
	Top	Bot	Int	Type	Dia	Length			
SP-1	4	4	0	A325	1.000	2.63	6"	5/8"	2'-11"
SP-2	4	4	0	A325	0.750	2.13	6"	1/2"	1'-8 3/8"

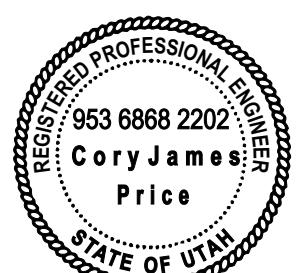
FLANGE BRACE TABLE				
FRAME LINE 2 3				
VID	# SIDES	MARK	LENGTH	PART
1	1	FB7	2'-8 3/8"	L2x2x14G
2	1	FB9	2'-11 1/4"	L2x2x12G
3	1	FB4	2'-3 7/8"	L2x2x14G
4	1	FB2	2'-3 5/8"	L2x2x14G

STIFFENER TABLE				
Mark	Stiff Mark	Width	Thick	Size Length
RF2-1	St- 1	2.500	0.375	28.56

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
RF2-1	10.0/29.0	0.188	184.2	6 x 1/4" x 181.9 6 x 5/16" x 34.8	6 x 3/8" x 154.4
	27.0/13.0	0.188	144.7	6 x 1/4" x 132.7	6 x 3/8" x 145.4
	13.0/13.0	0.135	180.0	6 x 5/16" x 192.0	6 x 1/4" x 178.9



BUILDING CROSS SECTION: FRAME LINE 2 3



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SHEET 4 OF 16 REV 0

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SPLICE PLATE & BOLT TABLE								CAP PLATE BOLTS							
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Width	Thick	Length	Mark	Qty	Type	Dia	Length
SP-1	4	4	0	A325	0.750	2.13	6"	3/8"	1'-8	3/8"	RF3-3	4	A325	0.750	2.13

FLANGE BRACE TABLE
FRAME LINE 4

▽ID	#	MARK	LENGTH	PART
1	1	FB3	2'-3 5/8"	L2x2x16G

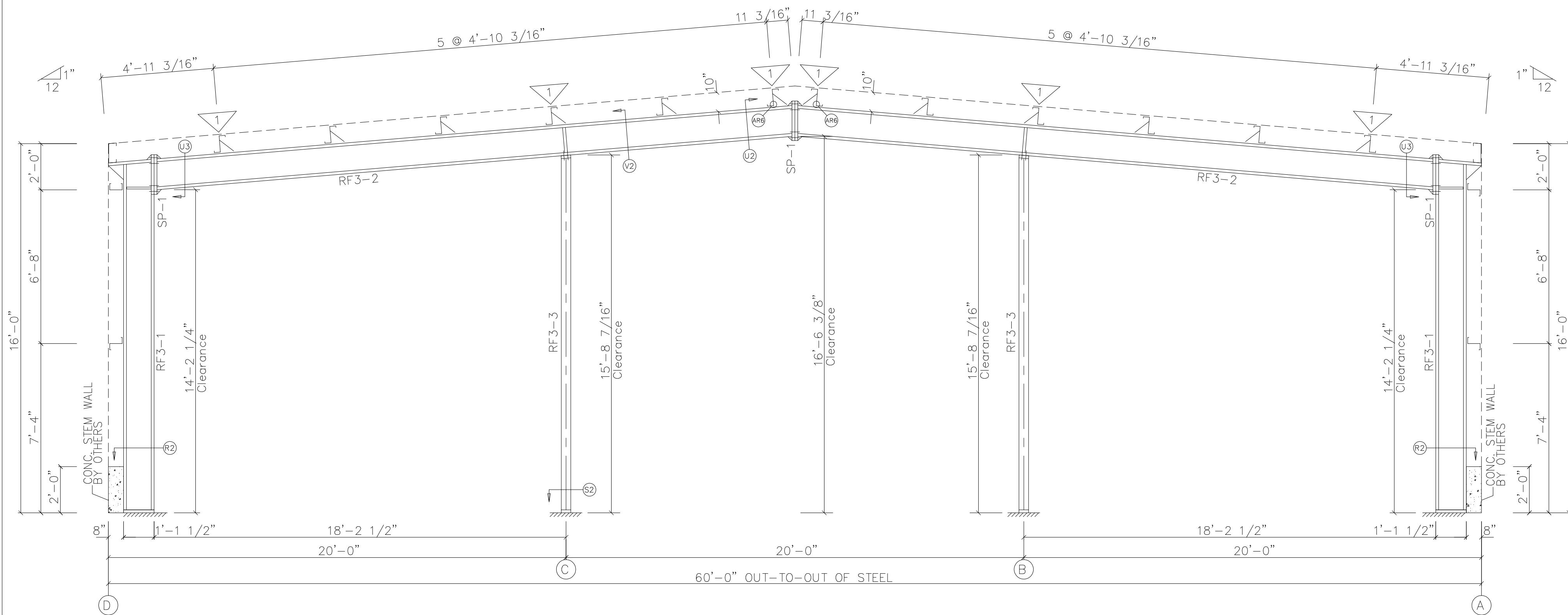
STIFFENER TABLE					
Mark	Stiff	Plate Size			
	Mark	Width	Thick	Length	
RF3-1	St-	1	2.500	0.188	12.88
RF3-2	St-	1	2.500	0.188	12.88

MEMBER TABLE			
Mark	Web Depth	Web Plate	Outside Flange
	Start/End	Thick	x Length
RF3-1	13.0/13.0	0.135	183.1
RF3-2	13.0/13.0	0.135	240.0
RF3-3	13.0/13.0	0.135	99.9
	08B14		

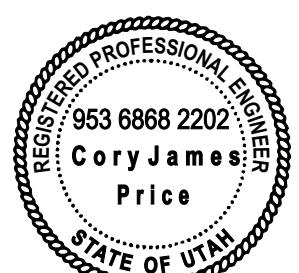
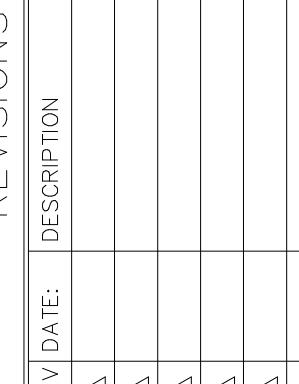
Inside Flange
W x Thk x Length



RIGID FRAME ELEVATION
CYCLES & SLEDS
3890 US-91
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BUILDING CROSS SECTION: FRAME LINE 4



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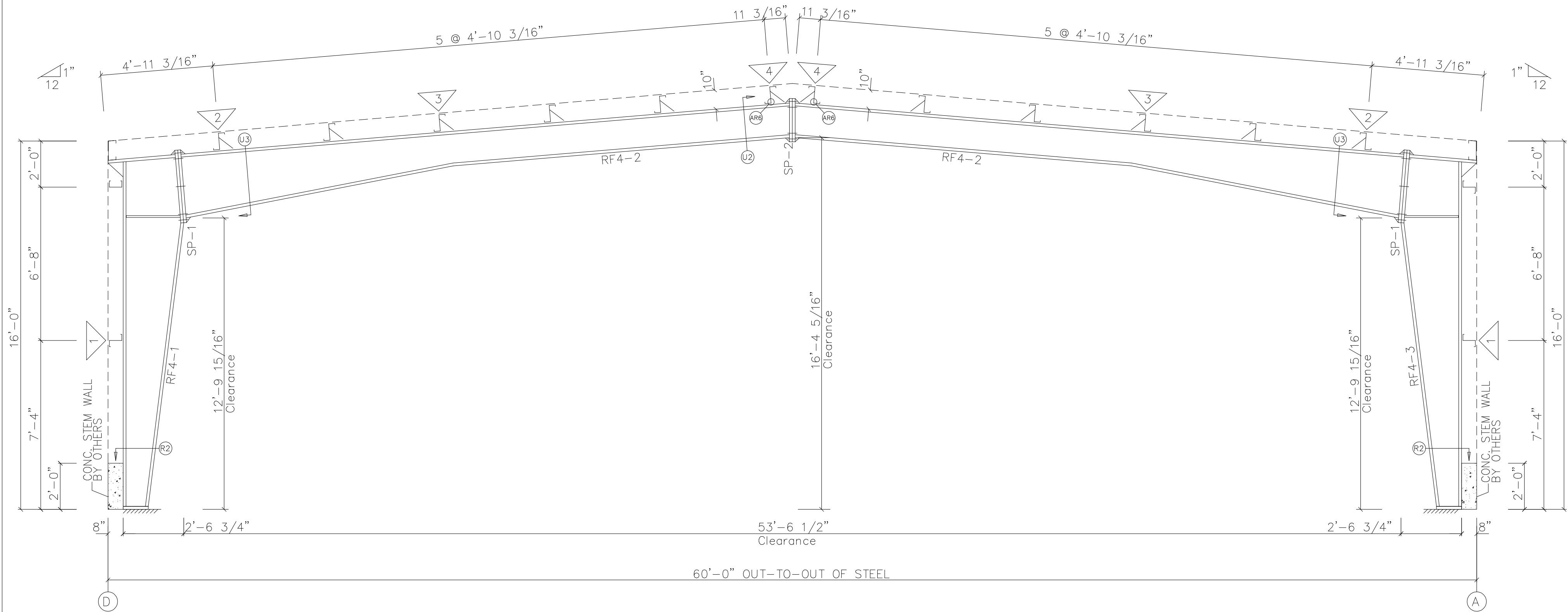
SHEET 5 OF 16 REV 0

SPLICE PLATE & BOLT TABLE										
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	2	A325	1.000	2.63	6"	5/8"	3'-2 1/2"	
SP-2	4	4	0	A325	0.750	2.13	6"	1/2"	1'-10 3/8"	

FLANGE BRACE TABLE FRAME LINE 5 6				
▽ID	#	MARK	LENGTH	PART
1	1	FB8	2'-9"	L2x2x12G
2	1	FB10	3'-10 1/4"	L2x2x12G
3	1	FB6	2'-5"	L2x2x14G
4	1	FB5	2'-4 3/4"	L2x2x14G

STIFFENER TABLE					
Mark	Stiff	Plate Size	Width	Thick	Length
RF4-1	St-	1	2.500	0.375	29.56
RF4-3	St-	1	2.500	0.375	29.56

MEMBER TABLE						
Mark	Web Depth	Web Plate	Outside Flange	Inside Flange	W x Thk x Length	W x Thk x Length
RF4-1	10.0/30.0	0.188	184.2	6 x 1/4" x 181.9	6 x 1/2" x 151.1	
RF4-2	30.5/15.0	0.188	144.0	6 x 5/16" x 35.5	6 x 1/4" x 132.0	6 x 3/8" x 144.8
	15.0/15.0	0.135	180.0	6 x 5/16" x 192.0	6 x 1/4" x 178.7	6 x 1/4" x 181.9
RF4-3	30.0/10.0	0.188	184.2	6 x 5/16" x 35.5	6 x 1/2" x 151.1	



BUILDING
SYSTEMS
INC.

MBMA
MEMBER

AS
ACCREDITED
Metal Building Systems
AC 472

RIGID FRAME ELEVATION
CYCLES & SLEDS
3890 US-91
HYDE PARK, UT 84318
OFFICE/WAREHOUSE

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JOB # 20113780

SHEET 6 OF 16 REV 0

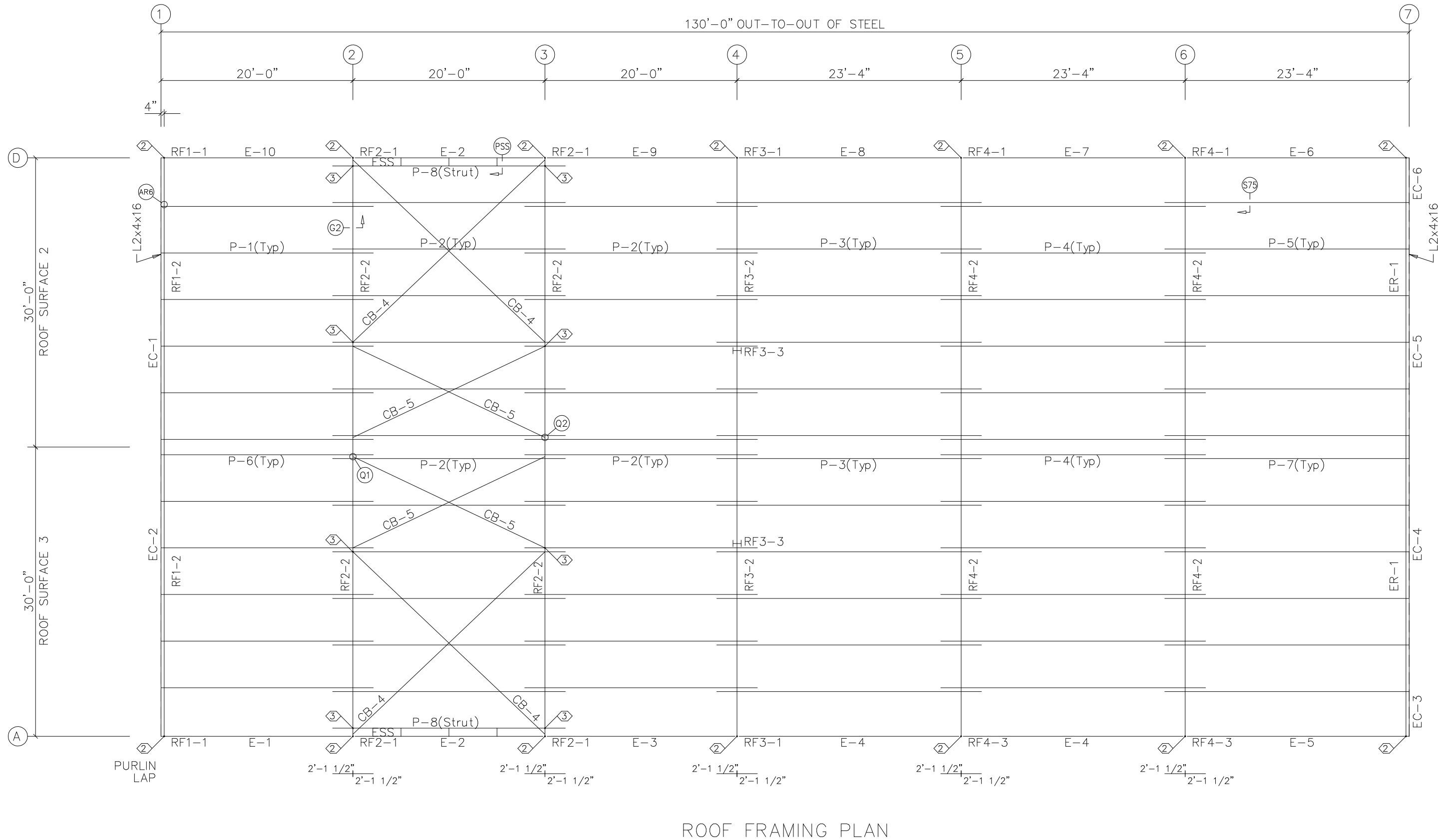
GENERAL NOTES:

1. STANDARD CONNECTION FOR ALL ROOF PURLINS TO FRAMES ARE 2 EA. 1 1/2" A307 BOLTS. STANDARD CONNECTION FOR EAVE STRUTS TO FRAMES ARE 2 EA. 1 1/2" A325 BOLTS.
EXCEPTIONS WILL BE NOTED IN A BOLT TABLE ON THIS DRAWING
IT IS THE RESPONSIBILITY OF THE CONTRACTOR\ERECTOR TO ENSURE THAT ALL BOLT GRADES, DIAMETERS, AND QUANTITIES ARE LOCATED AND INSTALLED AS SPECIFIED.
 2. SEE DETAILS S49, S50, S51, S52, AND S53 BEFORE INSTALLATION OF ROOF PANELS
 3. SEAL ALL TRIM LAPS AS NECESSARY TO INSURE WEATHERTIGHTNESS.
 4. IT IS THE RESPONSIBILITY OF THE ERECTOR TO MAINTAIN PANEL MODULE WIDTH.

MEMBER TABLE ROOF PLAN			
QUAN	MARK	PART	LENGTH
6	P-1	Z1025_12	22'-1 1/2"
24	P-2	Z1025_14	24'-3"
12	P-3	Z1025_14	27'-7"
12	P-4	Z1025_12	27'-7"
6	P-5	Z1025_12	25'-5 1/2"
6	P-6	Z1025_12	22'-1 1/2"
6	P-7	Z1025_12	25'-5 1/2"
2	P-8	Z1025_12	24'-3"
1	E-1	E1045_14	19'-11 3/4"
2	E-2	E1045_12	19'-11 1/2"
1	E-3	E1045_14	19'-11 1/2"
2	E-4	E1045_14	23'-3 1/2"
1	E-5	E1045_14	23'-3 3/4"
1	E-6	E1045_14	23'-3 3/4"
1	E-7	E1045_14	23'-3 1/2"
1	E-8	E1045_14	23'-3 1/2"
1	E-9	E1045_14	19'-11 1/2"
1	E-10	E1045_14	19'-11 3/4"
4	CB-4	0.44_CBL	25'-1 1/2"
4	CB-5	0.44_CBL	20'-2 3/4"
6	ESS	ESS-1	6"

SPECIAL BOLTS ROOF PLAN

◇ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A325	5/8"	1 1/2"	1
3	2	A325	5/8"	1 1/2"	2

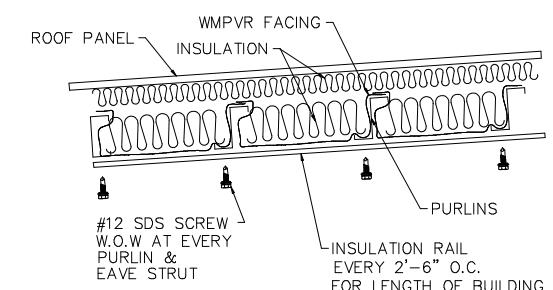


**ROOF
SHEETING**

PANELS: 26 Ga. PBr
Ash Grey

**INSULATION
RAIL**

26 Ga.
Interior White

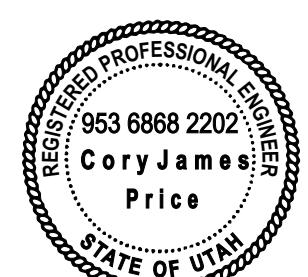


S75 ROOF INSULATION RAIL SYSTEM

The image contains three distinct logos stacked vertically. The top logo, 'ICOM', features the letters 'I', 'C', 'O', and 'M' inside a stylized house roof outline. Below it, the 'MBMA' logo consists of the letters 'M', 'B', 'M', and 'A' in a bold, blocky font, with the text 'METAL BUILDING MANUFACTURERS ASSOCIATION' underneath. The bottom logo, 'IAS', has the letters 'I', 'A', and 'S' inside a square frame, with 'ACCREDITED' above 'Metal Building Systems' and 'AC 472' at the bottom.

ROOF FRAMING
CYCLES & SLIEDS
3890 US-91
HYDE PARK, UT 84311
OFFICE /WAREHOUSE

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Cory James Price
2021-02-04 16:36:31 -0700

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DATE: 1/27/21

B # 20113780

GENERAL NOTES:

CO BUILDING SYSTEMS RECOMMENDS THAT AT LEAST ONE BRACED BAY BE INSTALLED PRIOR TO OTHER FRAME LINES. THIS INCLUDES EAVE STRUTS, PURLIN STRUTS, WIND BENTS, AND BRACE CABLE/ROD OVER THE COMPLETE BAY. FAILURE TO DO SO MAY RESULT IN SERIOUS DAMAGE TO THE STRUCTURE AND/OR BODILY INJURY.

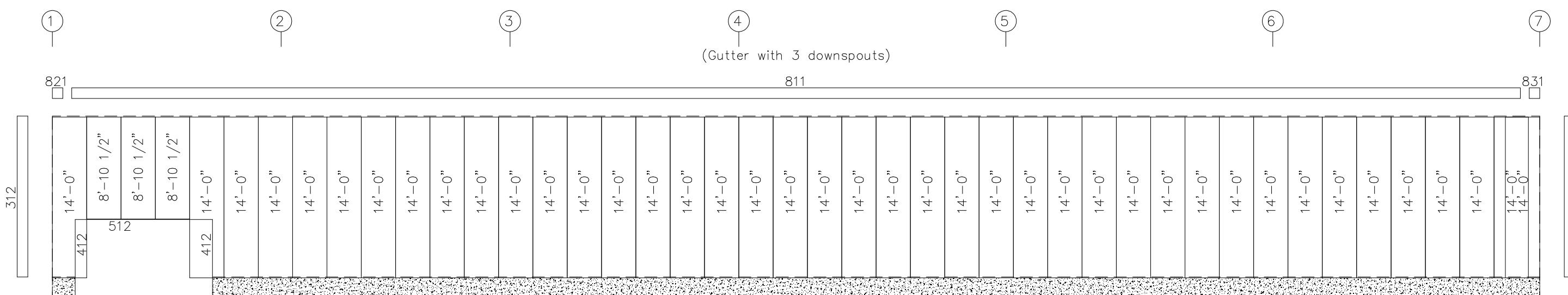
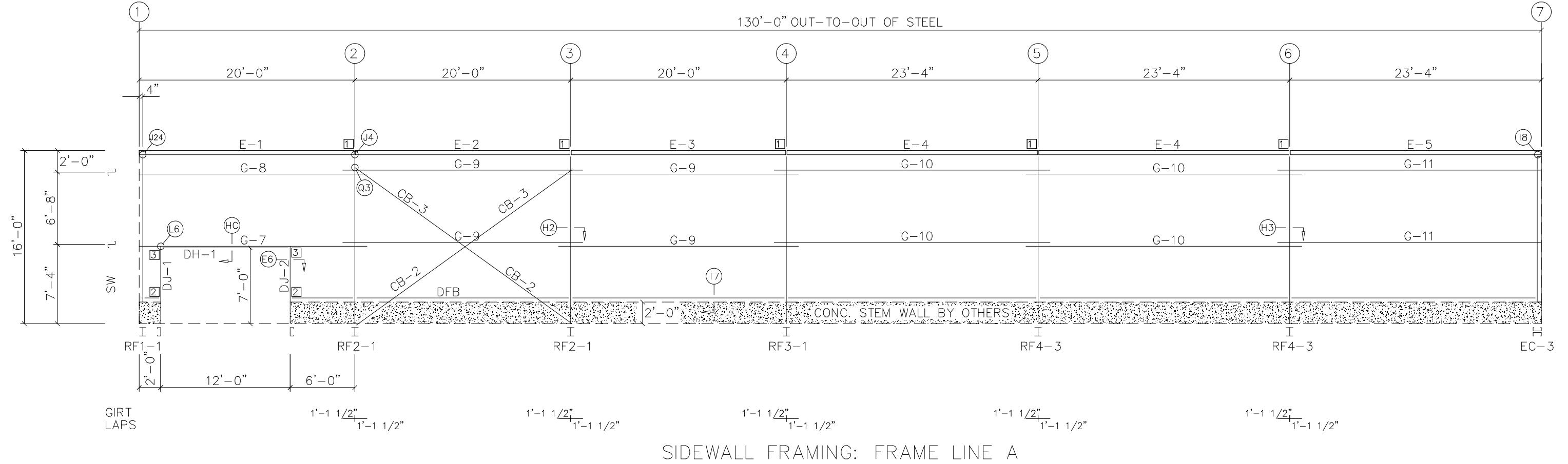
MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
DJ-1	c825_16	5'-0"
DJ-2	c825_16	5'-0"
DH-1	CH830_16	12'-0"
E-1	E1045_14	19'-11 3/4"
E-2	E1045_12	19'-11 1/2"
E-3	E1045_14	19'-11 1/2"
E-4	E1045_14	23'-3 1/2"
E-5	E1045_14	23'-3 3/4"
G-7	Z825_16	21'-1 1/2"
G-8	Z825_16	21'-1 1/2"
G-9	Z825_16	22'-3"
G-10	Z825_16	25'-7"
G-11	Z825_16	24'-5 1/2"
CB-2	1.25RD	20'-0"
CB-3	1.25RD	5'-5"



MBMA
METAL BUILDING MANUFACTURERS ASSOCIATION



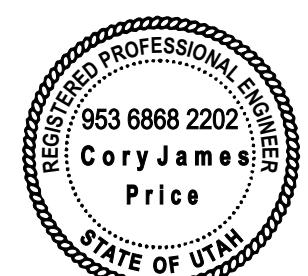
CONNECTION PLATES FRAME LINE A		
ID	MARK/PART	
1	ESP-11	
2	PBC3N	
3	GC35	



SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 Ga. PBR - Charcoal

SIDEWALL FRAMING	CYCLES & SLEDS
CYCLE 3890 US-91	PARK, UT 84318
OFFICE/WAREHOUSE	

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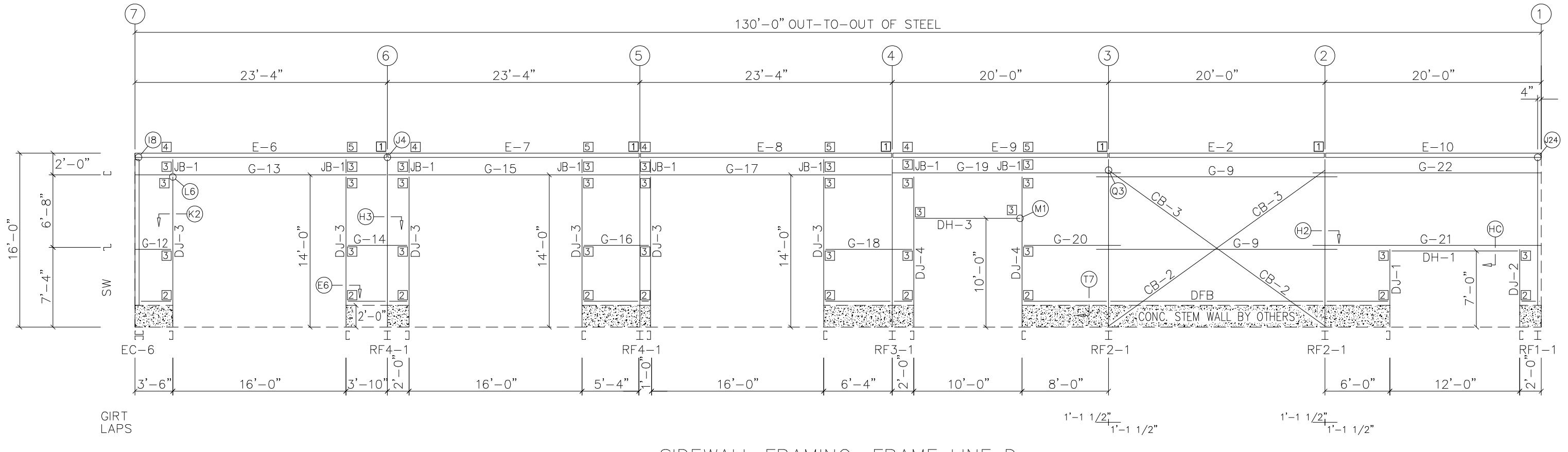


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SHEET 8 OF 16 REV 0

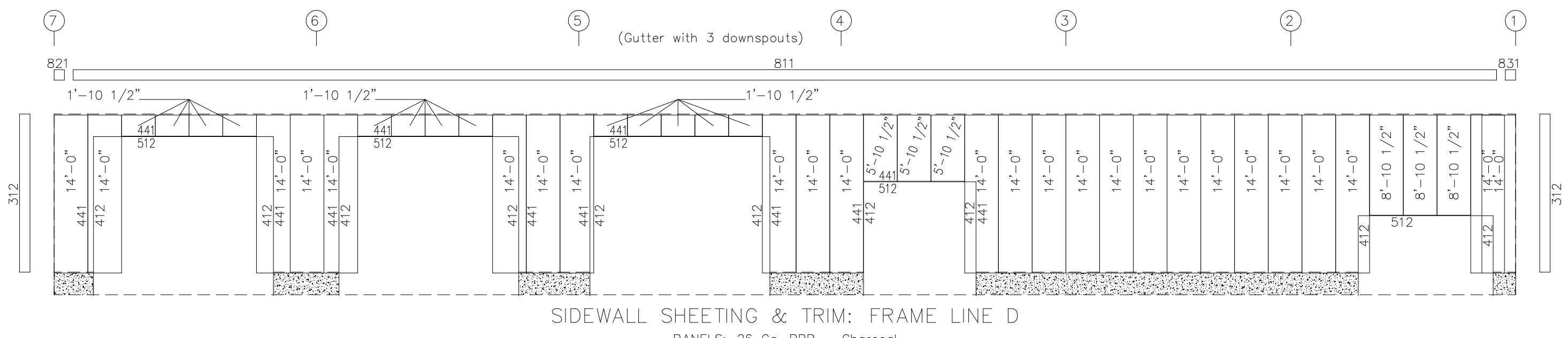
GENERAL NOTES:

CO BUILDING SYSTEMS RECOMMENDS THAT AT LEAST ONE BRACED BAY BE INSTALLED PRIOR TO OTHER FRAME LINES. THIS INCLUDES EAVE STRUTS, PURLIN STRUTS, WIND BENTS, AND BRACE CABLE/ROD OVER THE COMPLETE BAY. FAILURE TO DO SO MAY RESULT IN SERIOUS DAMAGE TO THE STRUCTURE AND/OR BODILY INJURY.



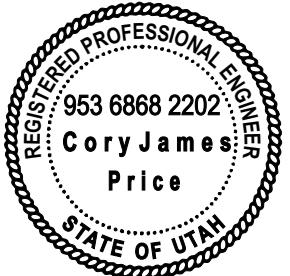
MEMBER TABLE FRAME LINE D		
MARK	PART	LENGTH
DJ-1	c825_16	5'-0"
DJ-2	c825_16	5'-0"
DJ-3	c825_16	12'-0"
DJ-4	c825_16	11'-8"
DH-1	CH830_16	12'-0"
DH-3	c825_16	10'-0"
E-2	E1045_12	19'-11 1/2"
E-6	E1045_14	23'-3 3/4"
E-7	E1045_14	23'-3 1/2"
E-8	E1045_14	23'-3 1/2"
E-9	E1045_14	19'-11 1/2"
E-10	E1045_14	19'-11 3/4"
G-9	Z825_16	22'-3"
G-12	Z825_16	3'-2 1/4"
G-13	c825_16	23'-3 3/4"
G-14	Z825_16	5'-2 1/2"
G-15	c825_16	23'-3 1/2"
G-16	Z825_16	5'-8 1/2"
G-17	c825_16	23'-3 1/2"
G-18	Z825_16	7'-8 1/2"
G-19	Z825_16	21'-1 1/4"
G-20	Z825_16	8'-9 3/4"
G-21	Z825_16	21'-1 1/2"
G-22	Z825_16	21'-1 1/2"
CB-2	1.25RD	20'-0"
CB-3	1.25RD	5'-5"
JB-1	c825_16	9 3/4"

CONNECTION PLATES FRAME LINE D	
□ ID	MARK/PART
1	ESP-11
2	PBC3N
3	GC35
4	EJ1L
5	EJ1R



SIDEWALL FRAMING
CYCLES & SLEDS
3890 US-91
HYDE PARK, UT 84318
OFFICE/WAREHOUSE

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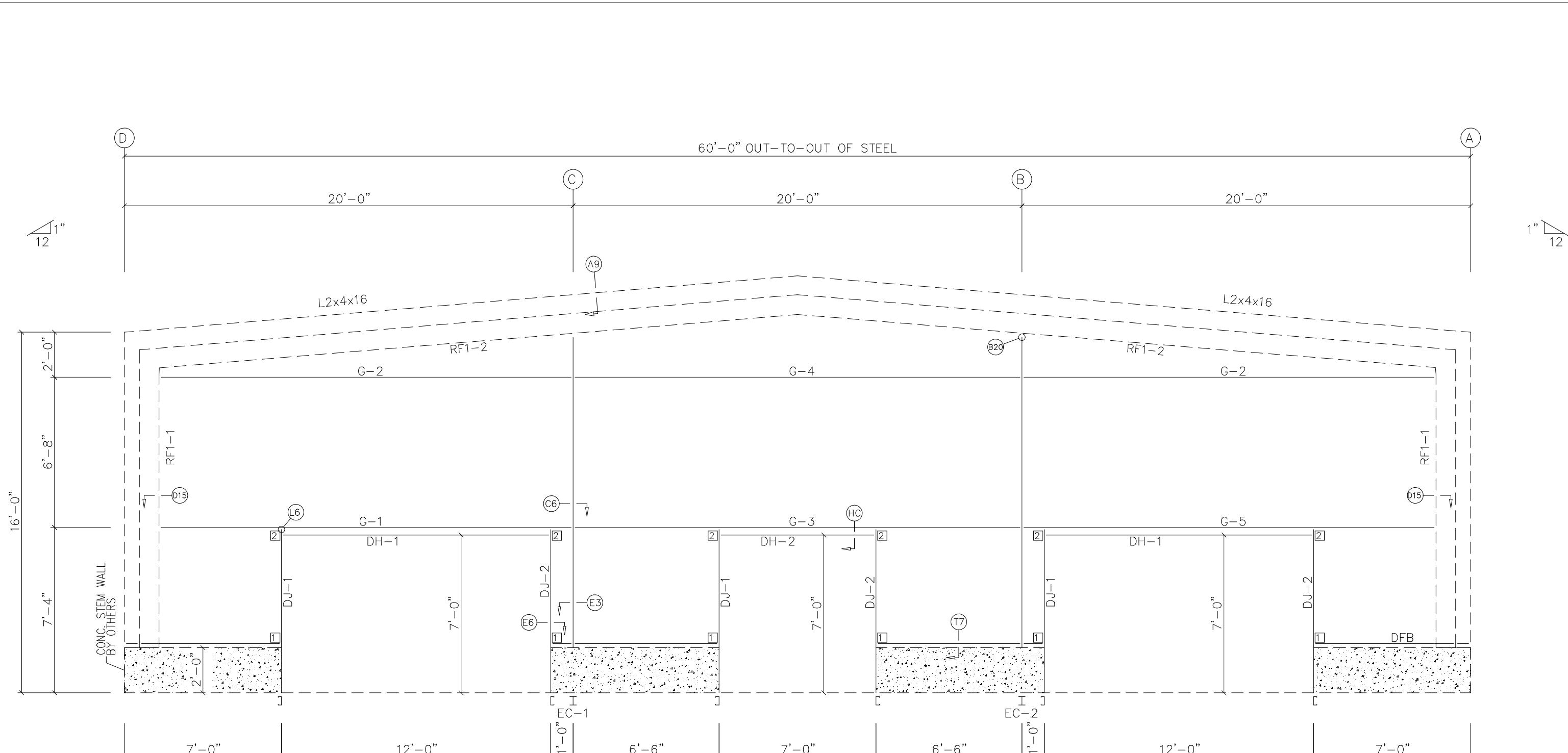


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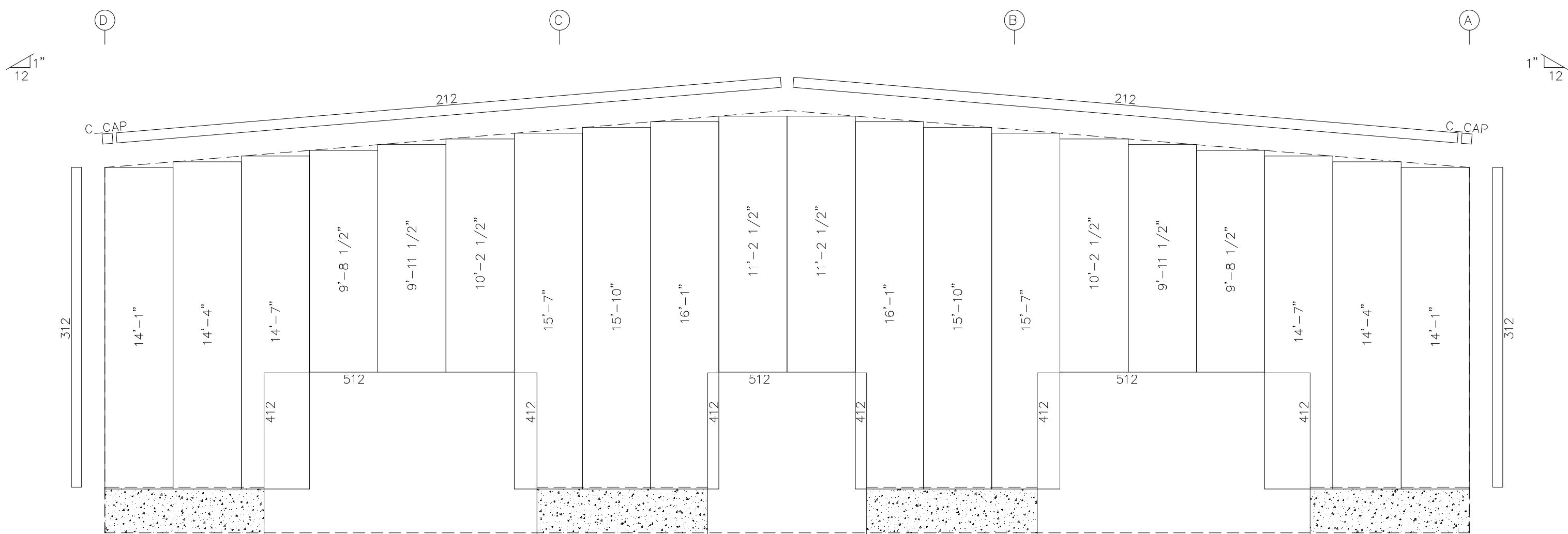
SHEET 9 OF 16 REV 0



BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	3/4"	2 1/8"
MEMBER TABLE FRAME LINE 1				
MARK	PART	LENGTH		
EC-1	08B14	13'	-11	11/16"
EC-2	08B14	13'	-11	11/16"
DJ-1	c825_16	5'	-0"	
DJ-2	c825_16	5'	-0"	
DH-1	CH830_16	12'	-0"	
DH-2	CH830_16	7'	-0"	
G-1	z825_16	18'	-1	1/2"
G-2	z825_16	18'	-1	1/2"
G-3	z825_16	19'	-4	1/2"
G-4	z825_16	19'	-4	1/2"
G-5	z825_16	18'	-1	1/2"

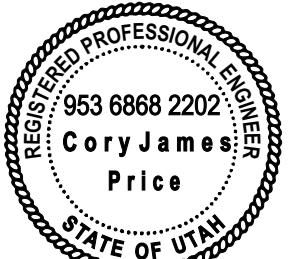
CONNECTION PLATES	
FRAME LINE 1	
ID	MARK/PART
1	PBC3N
2	GC35

ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBR – Charcoal



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SHEET OF REV

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10. The following table shows the number of hours worked by 100 employees in a company. Complete the table.

CO

BUILDING SYSTEMS INC.

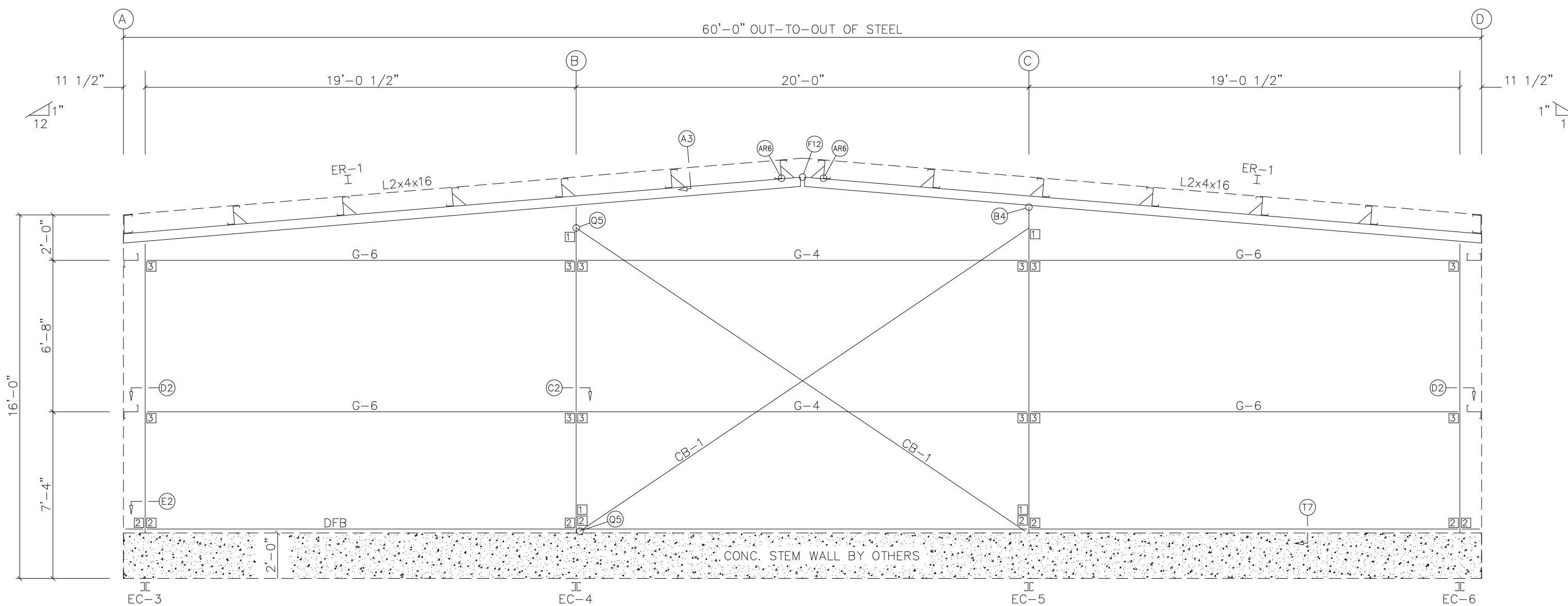
MBMA MEMBER

IAS ACCREDITED Metal Building Systems AC 472

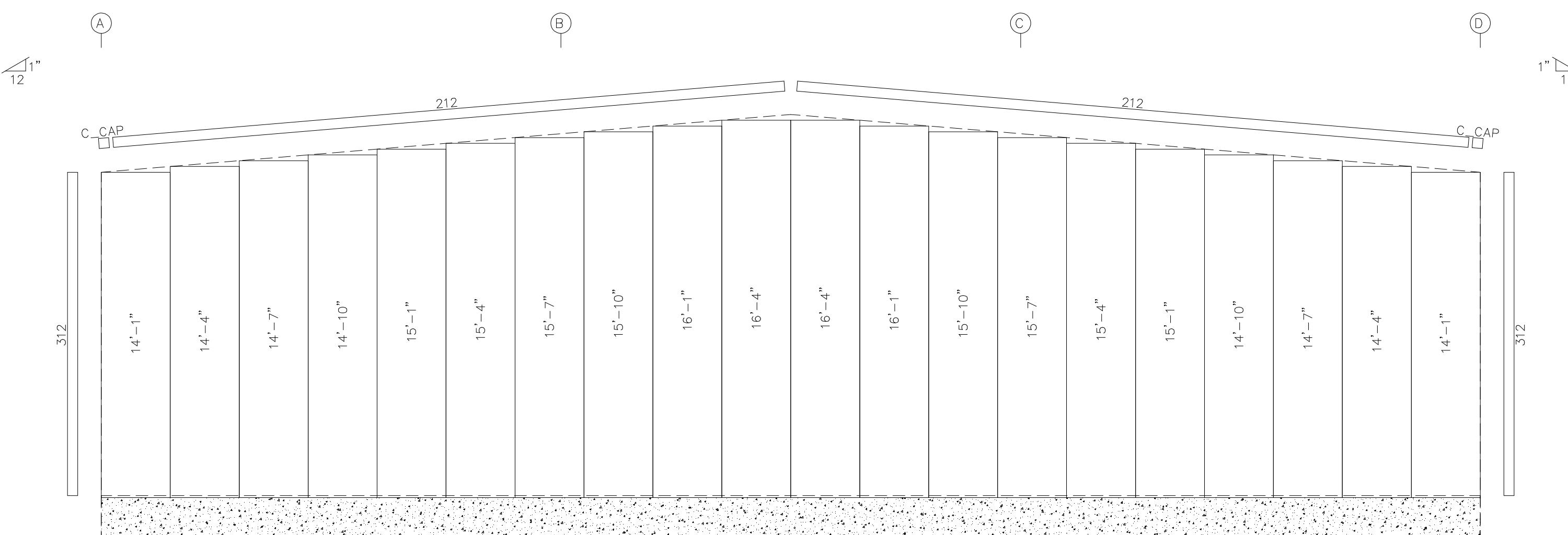
BOLT TABLE FRAME LINE 7				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-1	8	A325	5/8"	2"
Columns/Raf	4	A325	1/2"	1 1/4"

MEMBER TABLE FRAME LINE 7		
MARK	PART	LENGTH
EC-3	c825D16	12'-6 5/8"
EC-4	c825D14	14'-1 11/16"
EC-5	c825D14	14'-1 11/16"
EC-6	c825D16	12'-6 5/8"
ER-1	08B12	30'-1 1/4"
G-4	z825_16	19'-4 1/2"
G-6	z825_16	18'-5"
CB-1	0.31_CBL	22'-3 3/4"

CONNECTION PLATES FRAME LINE 7		
MARK/PART	MARK/PART	MARK/PART
1 BCC3/5	2 PBC3N	3 GC35



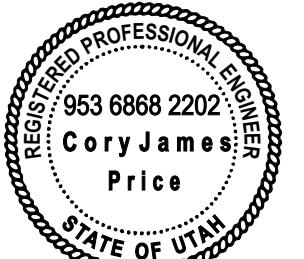
ENDWALL FRAMING: FRAME LINE 7



ENDWALL SHEETING & TRIM: FRAME LINE 7

PANELS: 26 Ga. PBR - Charcoal

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