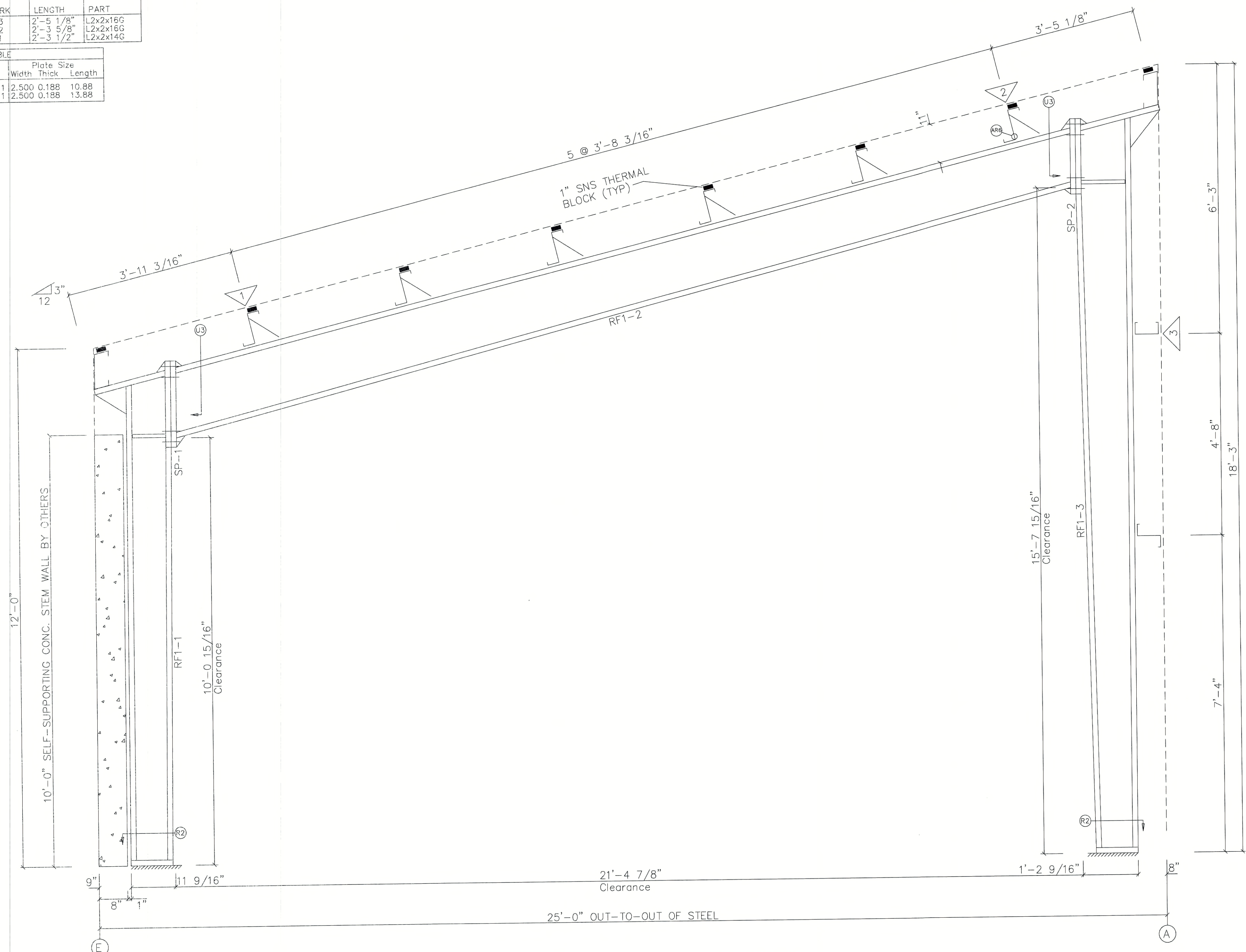


SPlice PLATE & BOLT TABLE									
Mark	Qty Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	0	A325	0.750	2.13	6"	3/8"	1'-11 3/4"
SP-2	4	4	0	A325	0.750	2.13	6"	1/2"	1'-8 3/4"

FLANGE BRACE TABLE				
FRAME LINE 2				
▽ ID	#	MARK	LENGTH	PART
1	1	FB3	2'-5 1/8"	L2x2x16G
2	1	FB2	2'-3 5/8"	L2x2x16G
3	1	FB1	2'-3 1/2"	L2x2x14G

STIFFENER TABLE				
Mark	Stiff Mark	Width	Plate Size	Length
RF1-1	St-1	2,500	0.188	10.88
RF1-3	St-1	2,500	0.188	13.88

MEMBER TABLE					
Mark	Web Depth Start/End	Web Thick	Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	8.7/11.0	0.188	137.1	6 x 1/4" x 134.3	6 x 5/16" x 117.1
RF1-2	16.0/13.3	0.188	240.0	6 x 1/4" x 20.8	5 x 1/4" x 264.3
RF1-3	13.3/13.0	0.188	27.6	5 x 1/4" x 263.6	
	14.0/14.0	0.250	20.7	6 x 1/4" x 22.9	6 x 5/16" x 184.3
	14.0/ 8.7	0.188	184.3	6 x 1/4" x 205.0	



BUILDING CROSS SECTION: FRAME LINE 2

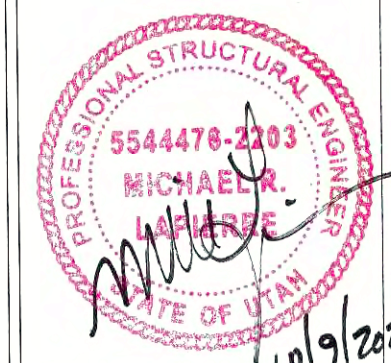


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RIGID FRAME ELEVATION  
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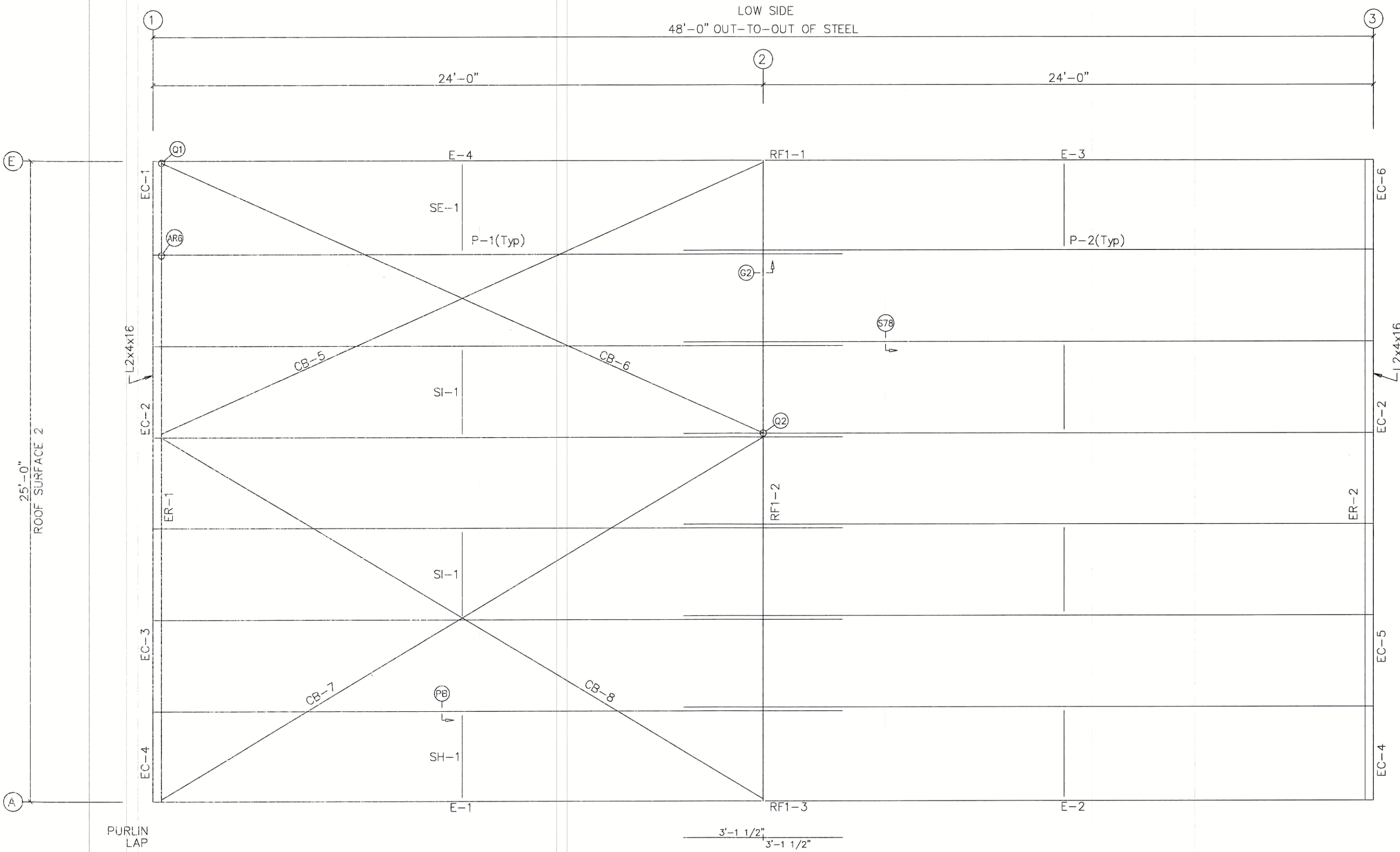
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- GENERAL NOTES:
1. STANDARD CONNECTION FOR ALL ROOF PURLINS TO FRAMES ARE 3 EA. 1/2" A307 BOLTS. STANDARD CONNECTION FOR EAVE STRUTS TO FRAMES ARE 2 EA. 1/2" A325 BOLTS. \*\*EXCEPTIONS WILL BE NOTED IN A BOLT TABLE ON THIS DRAWING\*\* IT IS THE RESPONSIBILITY 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.



ROOF FRAMING PLAN  
HIGH SIDE

MEMBER TABLE			
ROOF PLAN			
QUAN	MARK	PART	LENGTH
6	P-1	Z1025_12	27'-1 1/2"
6	P-2	Z1025_12	27'-1 1/2"
1	E-1	C1045_12	23'-11 3/4"
1	E-2	C1045_12	23'-11 3/4"
1	E-3	E1045_12	23'-11 3/4"
1	E-4	E1045_12	23'-11 3/4"
1	CB-5	0.25_CBL	24'-3 3/4"
1	CB-6	0.25_CBL	24'-5 3/4"
1	CB-7	0.25_CBL	25'-5 1/4"
1	CB-8	0.25_CBL	25'-5 3/4"
4	SI-1	1/4x1.25	3'-11 3/16"
2	SE-1	PBW	3'-11 3/4"
2	SH-1	PBW	3'-9 11/16"

26'-4 1/4" (16)

ROOF SHEETING  
PANELS: 26 Ga. PBW  
Brown

CO BUILDING SYSTEMS PROVIDES #12 x 1 5/8" FLAT HEAD SCREWS FOR TEMPORARY ATTACHMENT OF THERMAL BLOCK. USE 2 SCREWS PER BLOCK

1 7/8" SCREWS AT EAVE, PEAK & PANEL LAPS  
1 7/8" SCREWS AT INTERMEDIATE PURLINS

SNS THERMAL BLOCK @ EA. PURLIN & EAVE STRUT ENTIRE LENGTH OF BUILDING.

ROOF PANEL

INSULATION W/ WMPVR FACING

PURLINS

S78 SINGLE LAYER ROOF INSULATION W/ SNS THERMAL BLOCK SYSTEM

\*BAR = 1/4"x1 1/4" FLAT STOCK

PURLIN

PB10 CLIP

EAVE STRUT

SE-2 (WELDED \*BAR)

BRACE @ LOW EAVE

PURLIN

SI-2 (\*BAR)

(2) 1/2" A307 BOLTS

PB10 CLIP

BRACE @ PURLINS

(1) 1/2" A307 BOLT (TYP)

(2) 1/2" A307 BOLTS

PB10 CLIP

SE-2 (WELDED \*BAR)

BRACE @ HIGH EAVE (WHERE APPLICABLE)

(1) 1/2" A307 BOLT

PB

PURLIN BRACING DETAIL

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PROFESSIONAL STRUCTURAL ENGINEER

5544478-2203

MICHAEL R. LAFORCE

STATE OF UTAH

4/7/21



ROOF FRAMING

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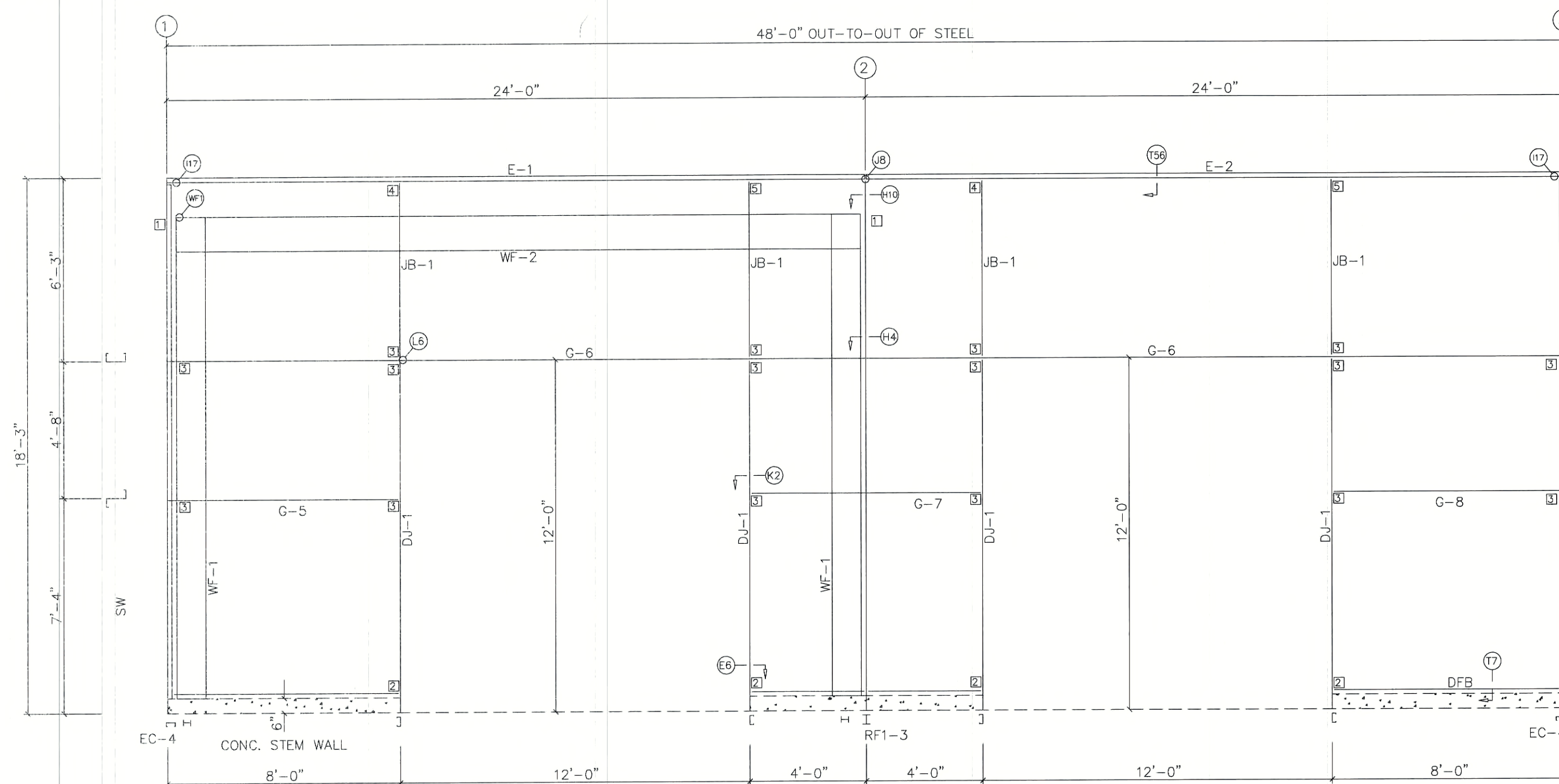


CO BUILDING SYSTEMS RECOMMENDS THAT AT LEAST ONE BRACED BAY BE INSTALLED PRIOR TO OTHER FRAME LINES. THIS INCLUDES EAVE STRUTS, PURLIN STRUTS, WIND BENTS, AND BRACE CABLE/ROD OVER THE COMPLETE BAY. FAILURE TO DO SO MAY RESULT IN SERIOUS DAMAGE TO THE STRUCTURE AND/OR BODILY INJURY.

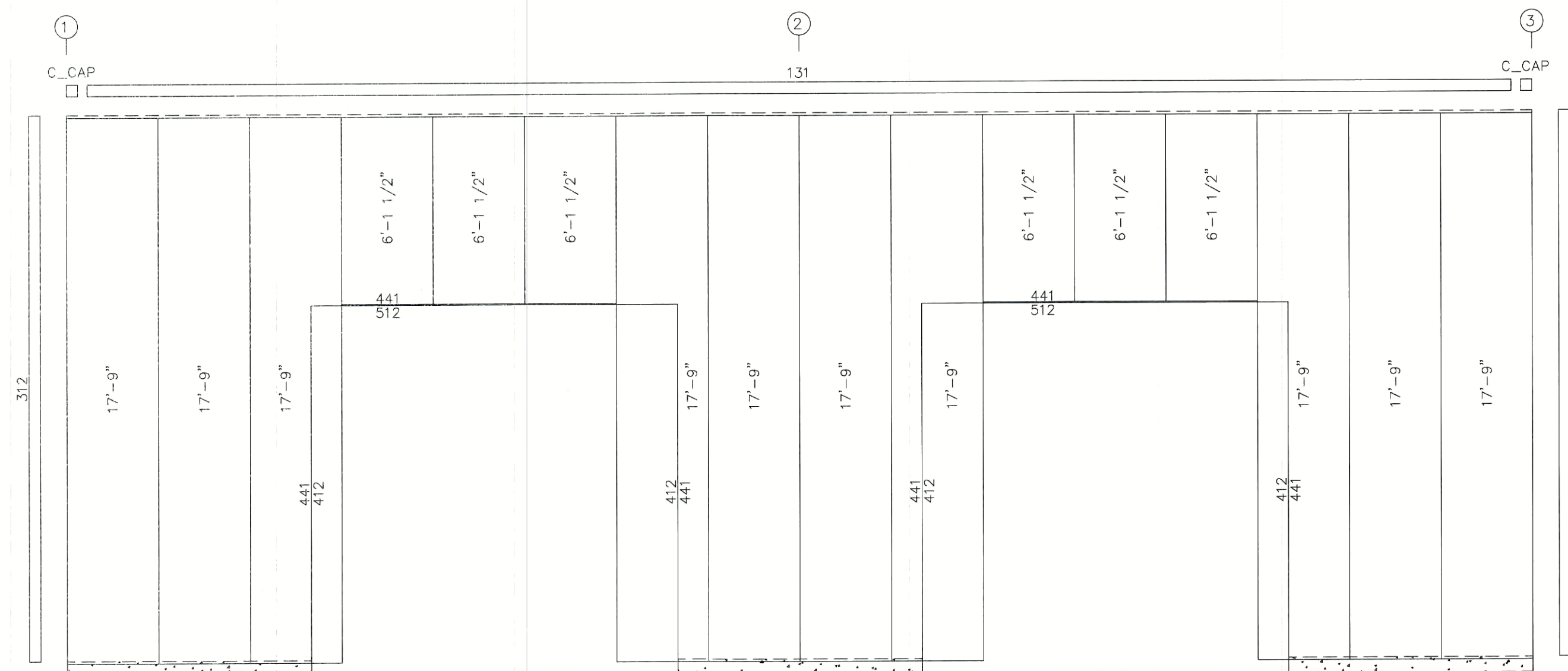
BOLT TABLE: FRAME LINE A						PLATE SIZE		
LOCATION		QUAN	TYPE	DIA	LENGTH	WIDTH	THICK	LENGTH
WF-1	- WF-2	8	A325	3/4"	2 1/8"	6"	3/8"	1'-8 3/4"
WF-1	- ER-1	4	A325	5/8"	1 1/2"			
WF-1	- RF1-3	4	A325	5/8"	1 1/2"			

MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
WF-1	12B18	17'-1"
WF-2	14B19A	20'-9 1/4"
DJ-1	c825_16	11'-6"
E-1	C1045_12	23'-11 3/4"
E-2	C1045_12	23'-11 3/4"
G-5	Z825_16	7'-8 1/4"
G-6	c825_12	23'-11 3/4"
G-7	Z825_16	7'-4 1/2"
G-8	Z825_16	7'-8 1/4"
JB-1	c825_16	4'-8 3/4"

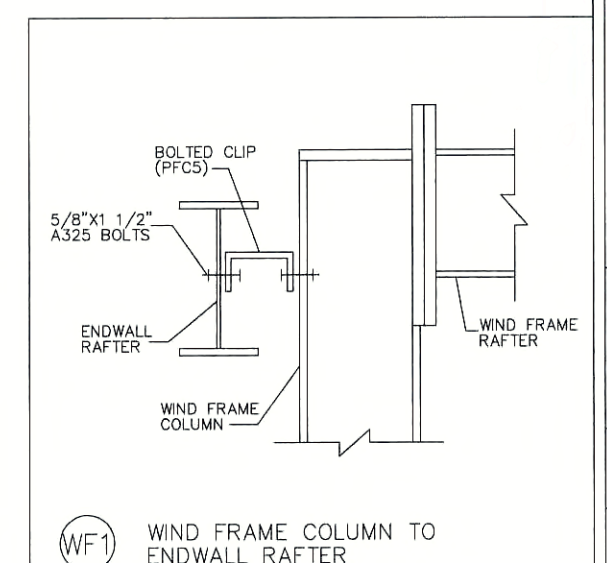
CONNECTION PLATES	
FRAME LINE A	
<input type="checkbox"/> ID	MARK/PART
1	PFC5
2	PBC3N
3	GC35
4	EJ2R
5	EJ2L



SIDEWALL FRAMING: FRAME LINE A



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



REV	DATE	DESCRIPTION
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SIDEWALL FRAMING

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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.

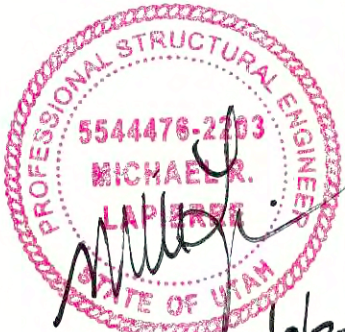
MEMBER TABLE		
FRAME LINE E		
MARK	PART	LENGTH
E-3	E1045_12	23'-11 3/4"
E-4	E1045_12	23'-11 3/4"



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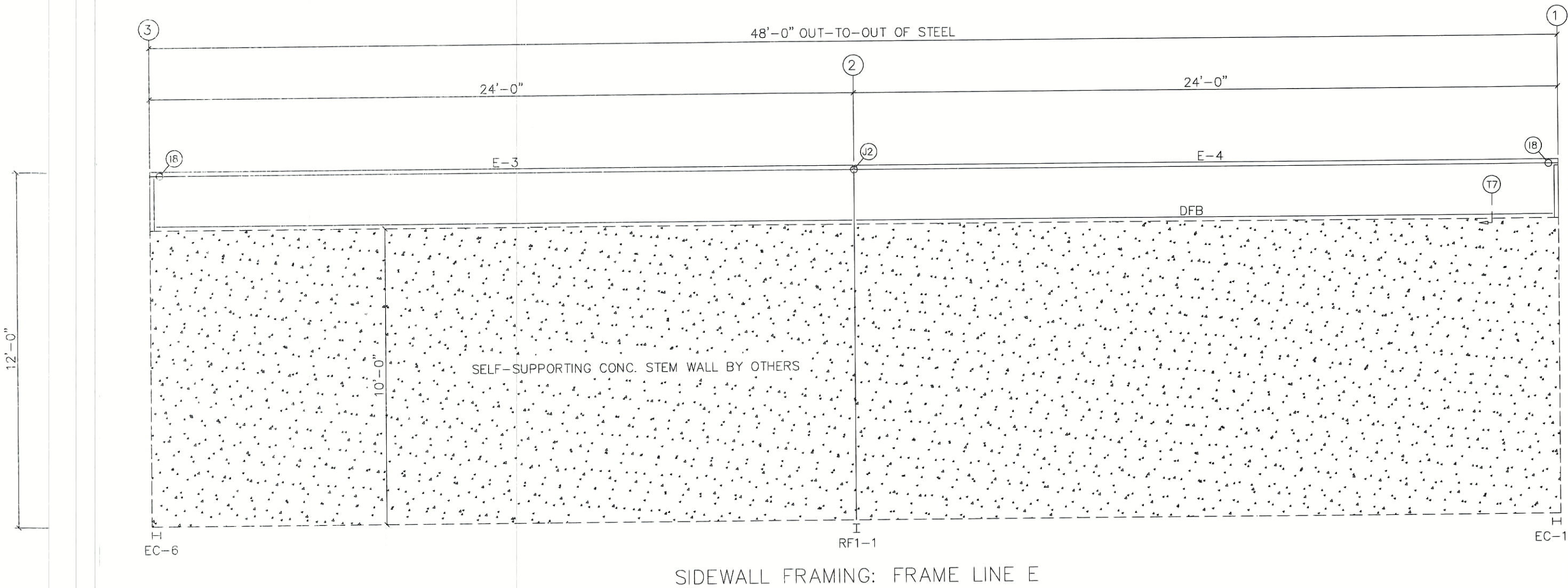
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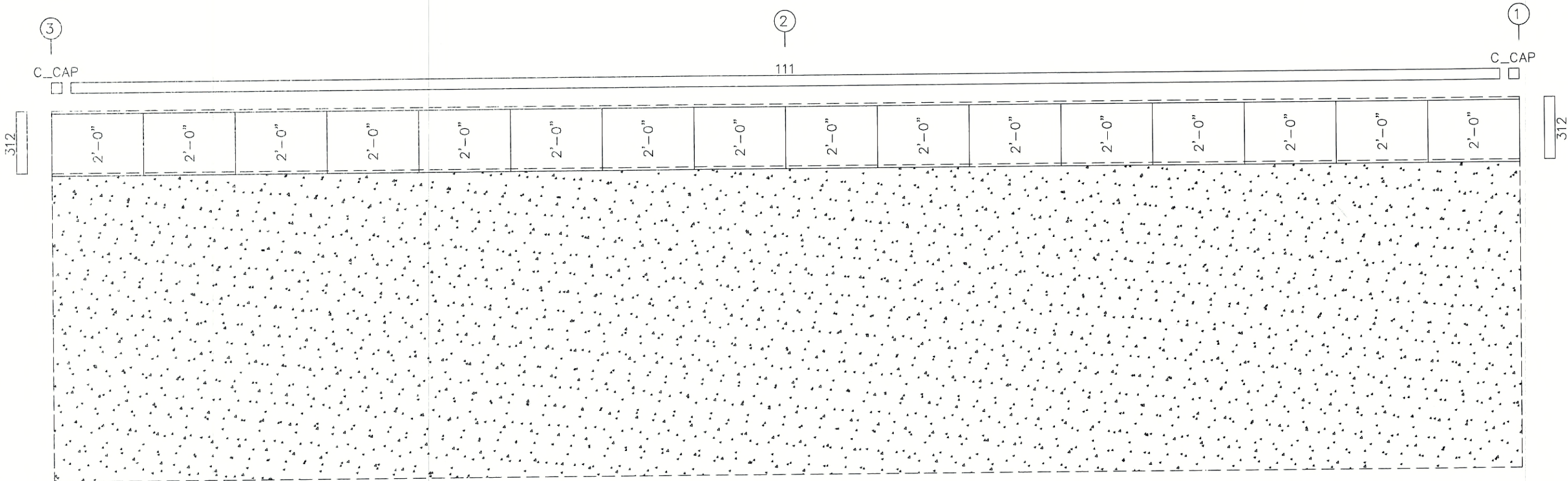


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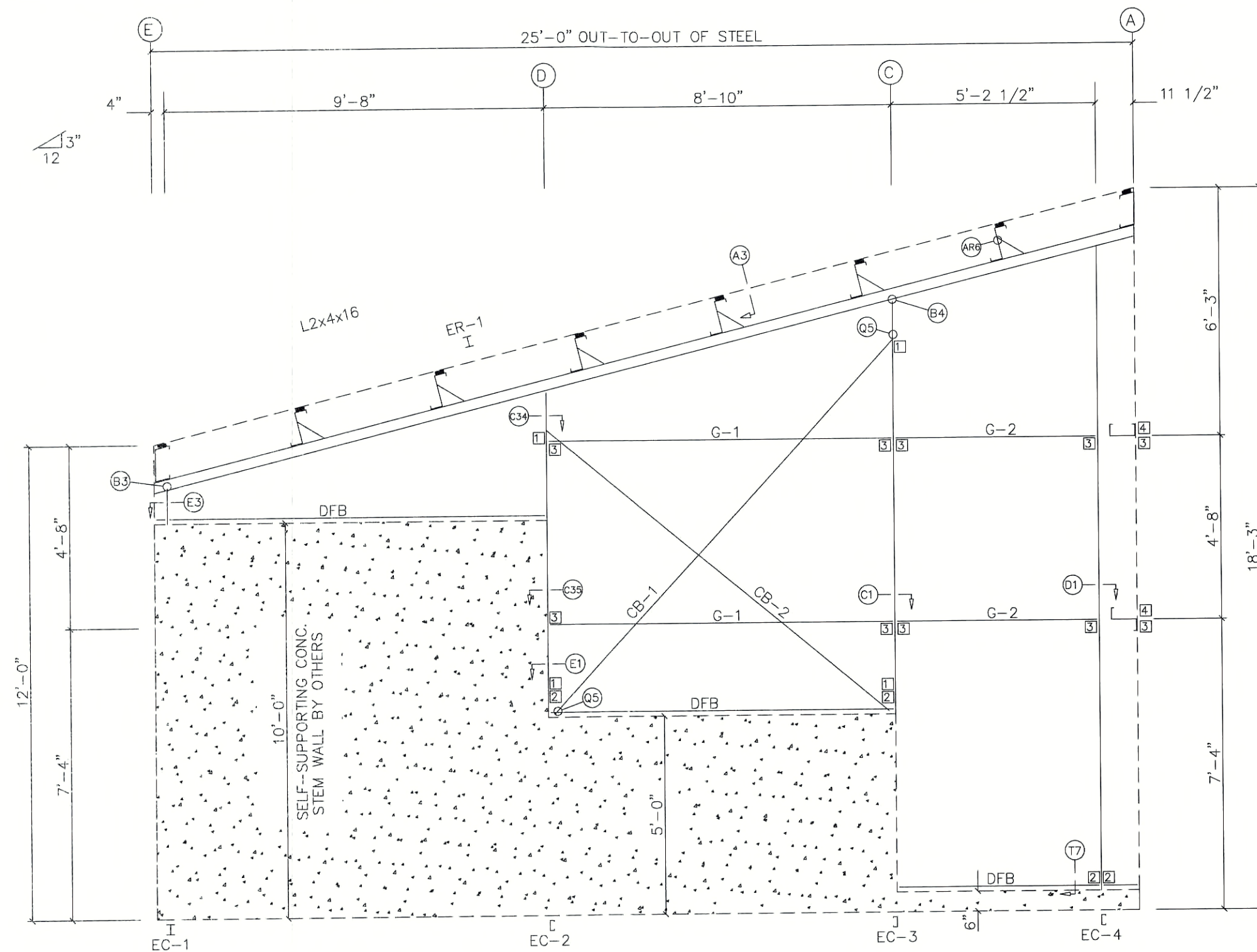


SIDEWALL FRAMING: FRAME LINE E

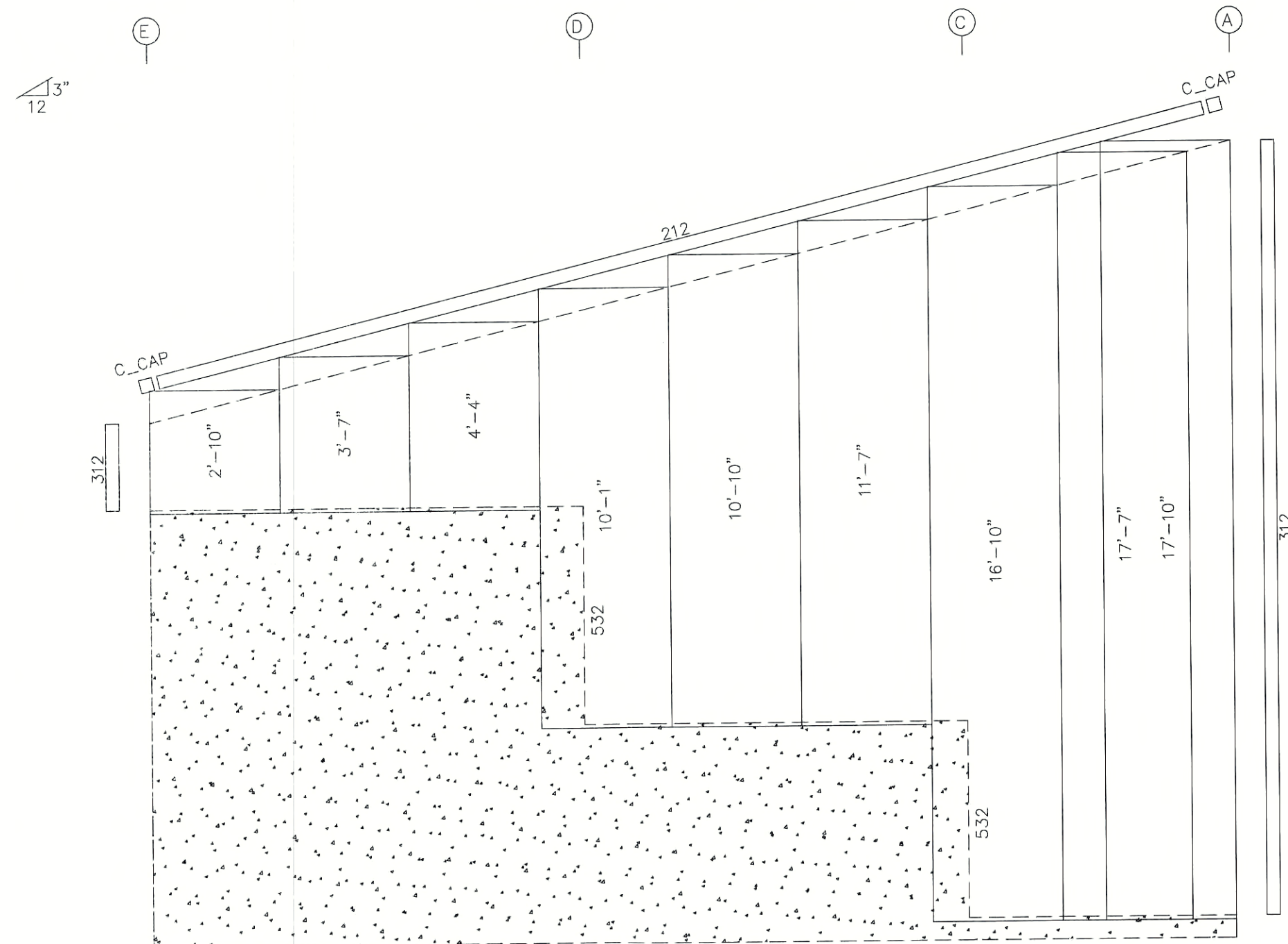


SIDEWALL SHEETING & TRIM: FRAME LINE E  
PANELS: 26 Ga. PBR - Covert Green





ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1  
PANELS: 26 Ga. PBR - Covert Green

BOLT TABLE			
FRAME LINE 1			
LOCATION	QUAN	TYPE	DIA
Columns/Raf	4	A325	1 1/2"

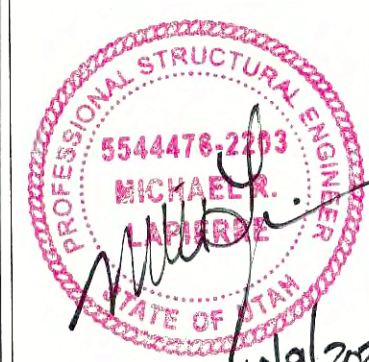
MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-1	08B12	6' 1 1/16"
EC-2	c825_14	7'-10 3/16"
EC-3	c825_14	10'-0 11/16"
EC-4	c825_14	15'-10 5/16"
ER-1	08B14	25'-11 1/4"
G-1	z825_16	8'-2 1/2"
G-2	z825_16	5'-2"
CB-1	0.25_CBL	11'-2 7/16"
CB-2	0.25_CBL	9'-7 3/4"

CONNECTION PLATES	
FRAME LINE 1	
ID	MARK/PART
1	BCC3/5
2	PBC3N
3	GC35
4	GEB



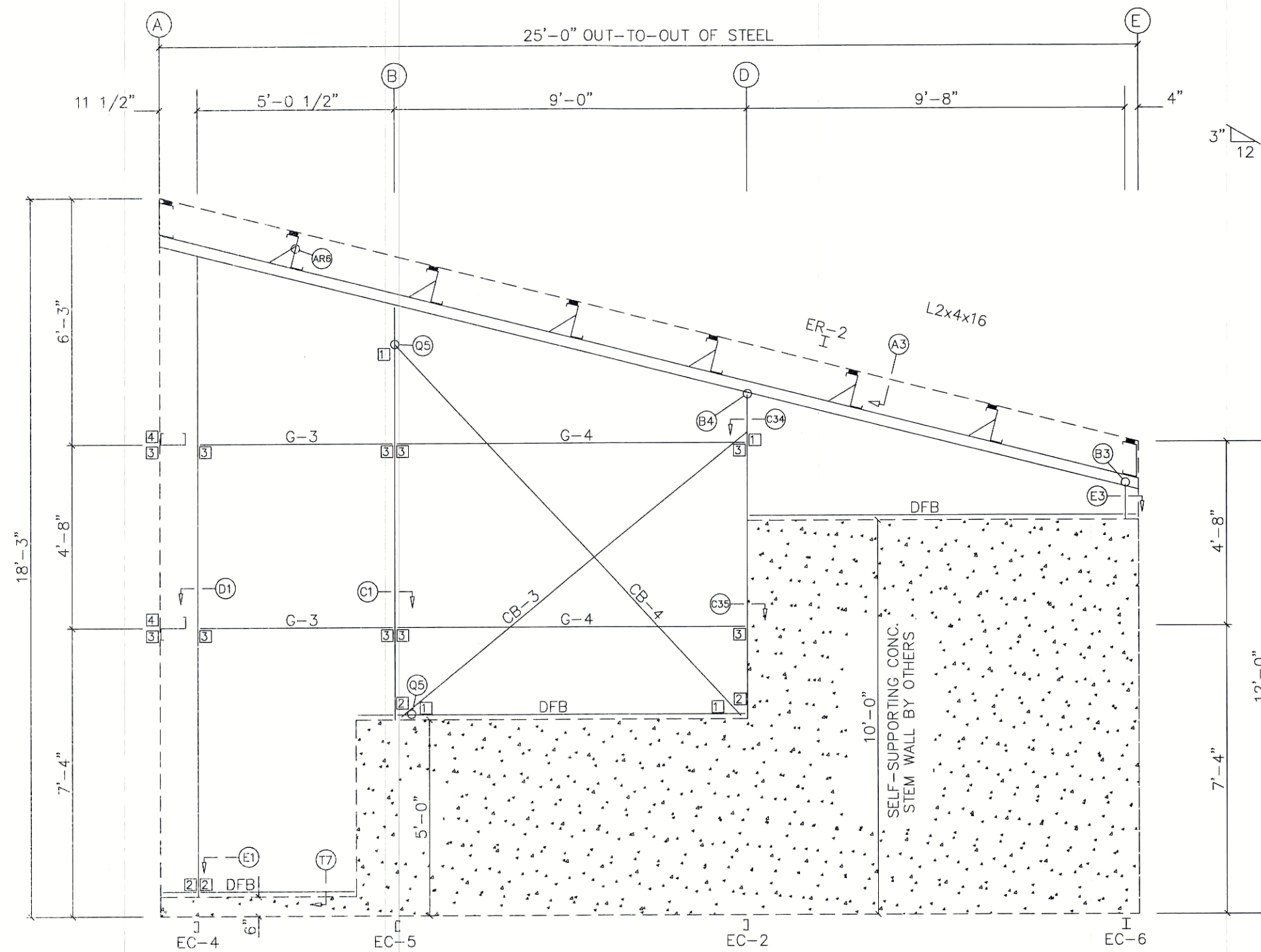
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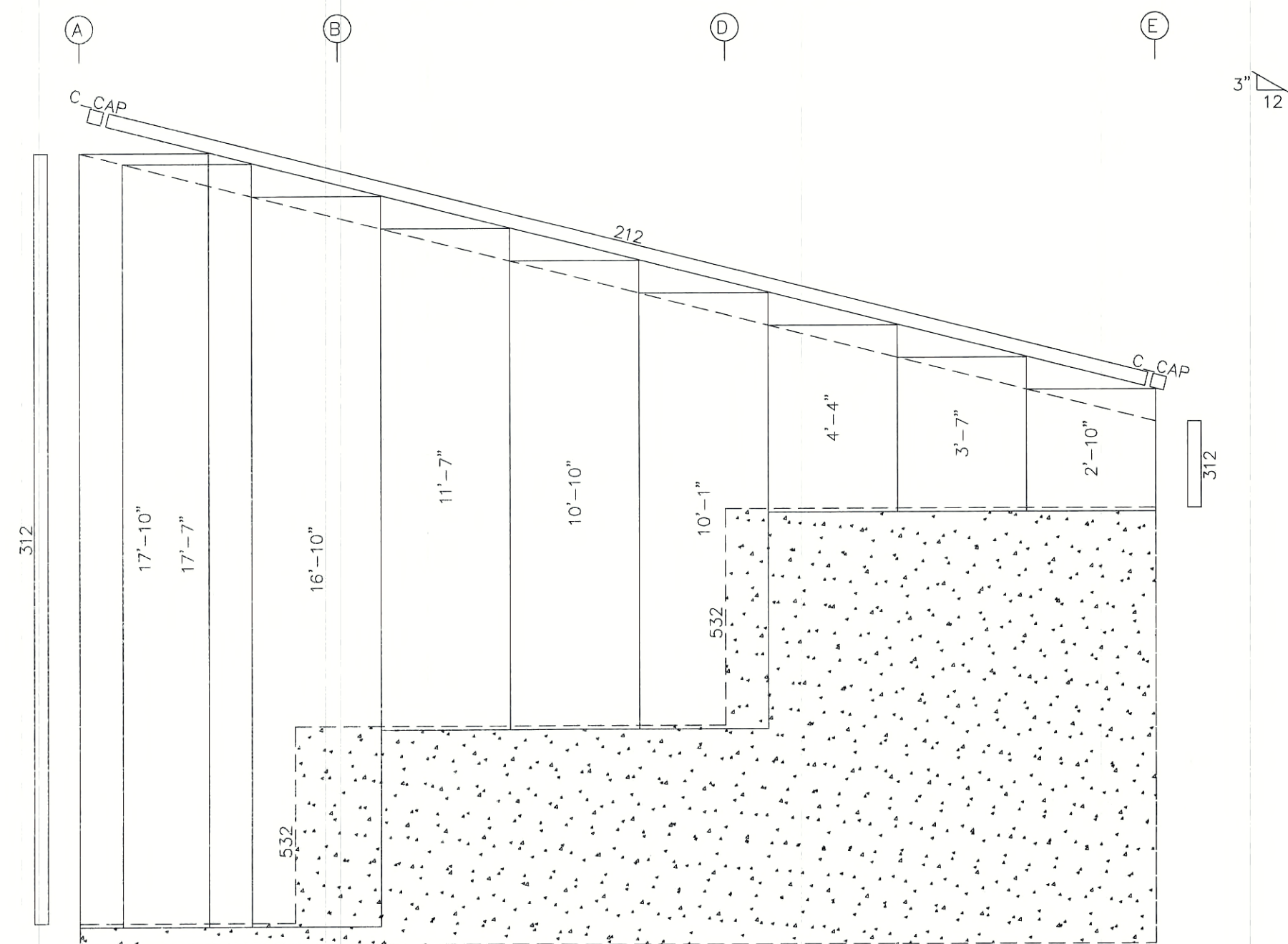


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ENDWALL FRAMING: FRAME LINE 3



ENDWALL SHEETING & TRIM: FRAME LINE 3  
PANELS: 26 Ga. PBR - Covert Green

BOLT TABLE FRAME LINE 3			
LOCATION	QUAN	TYPE	DIA
Columns/Raf	4	A325	1/2"

MEMBER TABLE FRAME LINE 3		
MARK	PART	LENGTH
EC-2	c825_14	7'-10 3/16"
EC-4	c825_14	15'-10 5/16"
EC-5	c825_14	10'-1 3/16"
EC-6	08B12	6 1/16"
ER-2	08B14	25'-11 1/4"
G-3	z825_16	5'-0"
G-4	z825_16	8'-4 1/2"
CB-3	0.25_CBL	9'-9 1/4"
CB-4	0.25_CBL	11'-4 1/4"

CONNECTION PLATES FRAME LINE 3	
ID	MARK/PART
1	BCC3/5
2	PBC3N
3	GC35
4	GEB



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ENDWALL FRAMING

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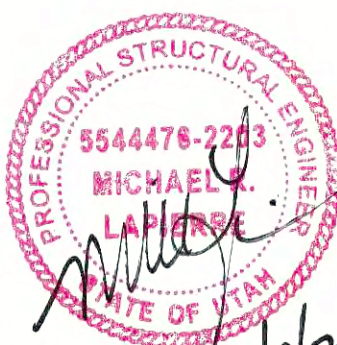
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