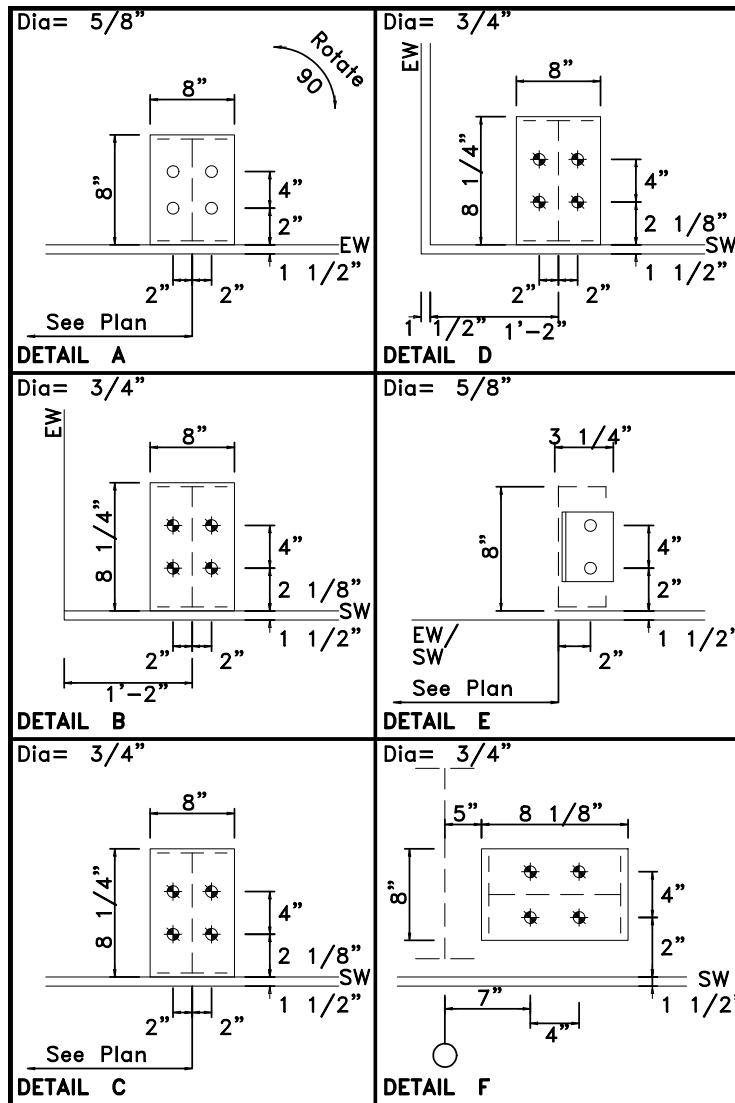
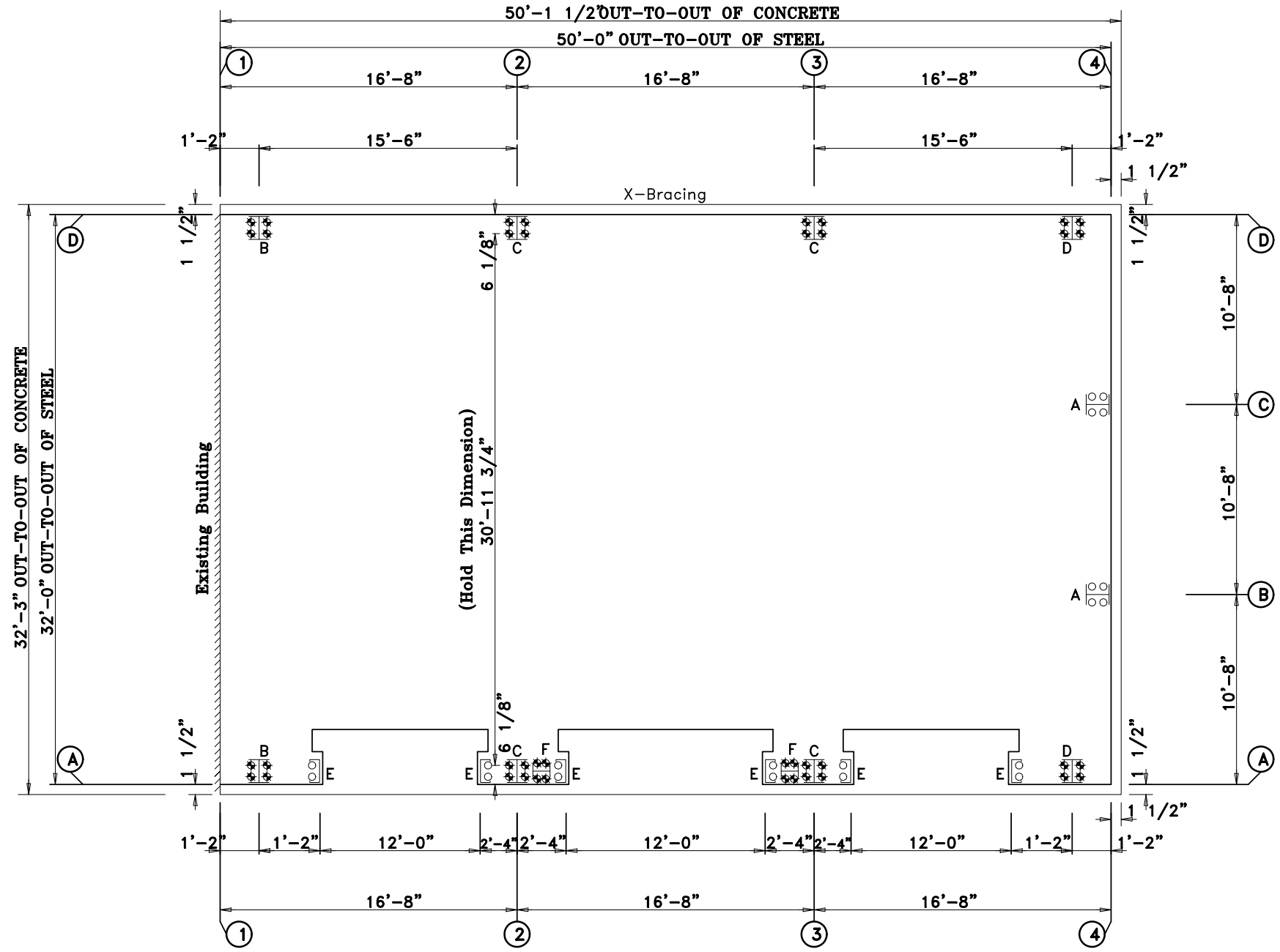


Standard Structures, Inc.

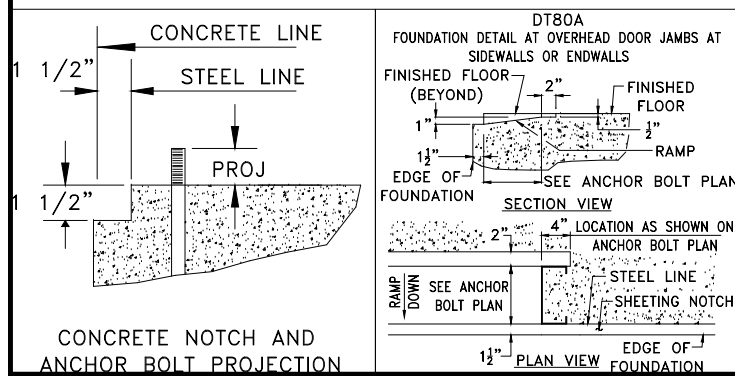
Job# 25090  
Final Design



ANCHOR BOLT SUMMARY					
Qty	Locate	Dia (in)	Type	Total Len (in)	Proj (in)
12	Jamb	5/8"	A307	12.0	1.50
8	Endwall	5/8"	A307	18.0	1.50
32	Frame	3/4"	A307	18.0	2.00
8	WindCol	3/4"	A307	18.0	2.00



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



**APPROVAL DRAWINGS**

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NOT APPROVED

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**APPROVAL & PERMIT**

JOB NAME: Trend Builders

PROJECT NAME: Mescalero Fire Department

JOB LOCATION: Mescalero, NM 88340

DRAWING TITLE: ANCHOR BOLT PLAN

DATE: 10/28/25    DET:    JOB NO.: 25090    PG.: E-1

**NOTES FOR REACTIONS**

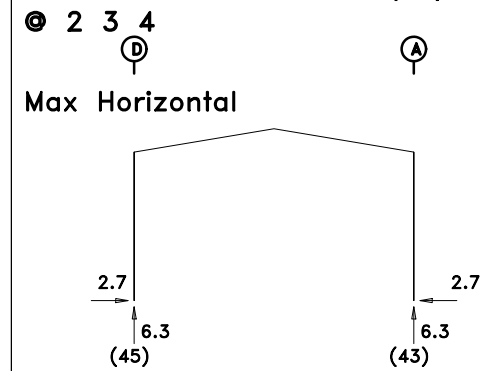
Building reactions are based on the following building data:

Width	(ft)	=	32.0
Length	(ft)	=	50.0
Eave Height	(ft)	=	17.0 / 17.0
Roof Slope	(rise/12)	=	2.00 / 2.00
Roof Dead Load	(psf)	=	3.0
Roof Live Load	(psf)	=	20.0
Frame Live Load	(psf)	=	18.7
Collateral Load	(psf)	=	1.0
Snow Load	(psf)	=	30.2
Wind Speed	(mph)	=	116.0
Wind Code		=	IBC 21
Exposure		=	C
Closure		=	Enclosed
Internal Wind Coeff		=	-0.18, +0.18
Risk Category		=	IV - Post
Importance - Seismic		=	1.50
Seismic Design Category		=	C
Seismic Coeff	(Sms)	=	0.41

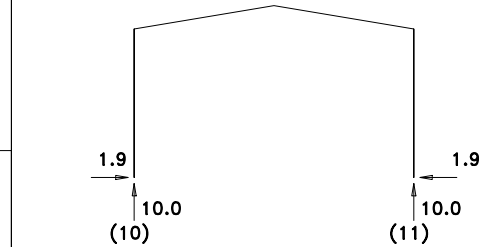
**BUILDING BRACING REACTIONS**

Wall Loc	Col Line	± Reactions(k)				Panel Shear (lb/ft)		Note
		0.6Wind		Seismic		Wind	Seis	
L_EW	1							Rigid frame at endwall
F_SW	A	2,3						Wind bent in bay
R_EW	4							Rigid frame at endwall
B_SW	D	3,2	1.4	1.3	1.6	1.4		

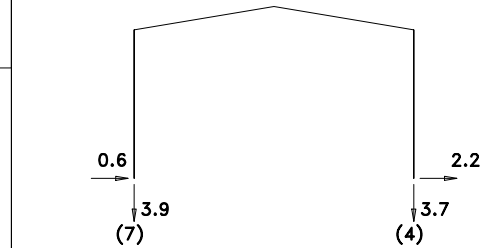
**RIGID FRAME REACTIONS (k )**



**Max +Vertical**

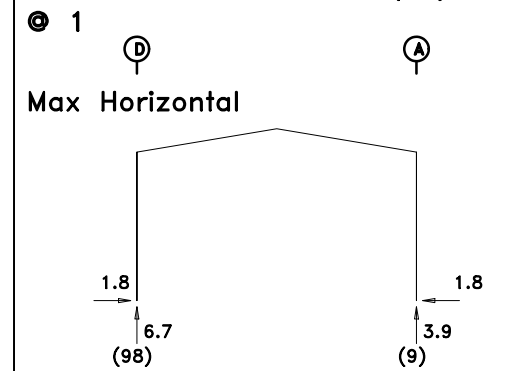


**Max -Vertical**

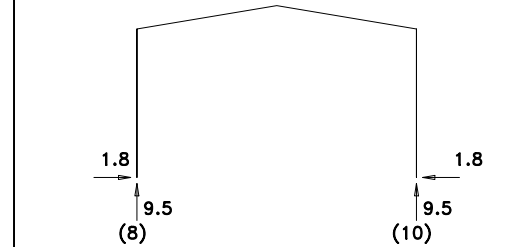


(4)0.6Dead+0.6Wind\_Right1  
 (7)0.6Dead+0.6Wind\_Long1L  
 (10)Dead+Collateral+F2UNB\_SL\_L  
 (11)Dead+Collateral+F2UNB\_SL\_R  
 (43)Dead+Collateral+0.75Snow+0.45Wind\_Left1  
 (45)Dead+Collateral+0.75Snow+0.45Wind\_Right1

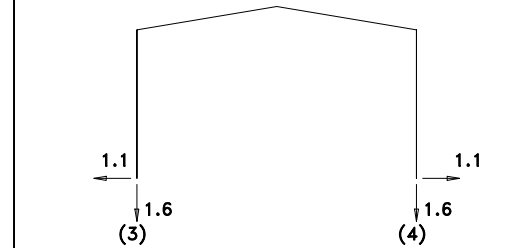
**RIGID FRAME REACTIONS (k )**



**Max +Vertical**



**Max -Vertical**



(3)0.6Dead+0.6Wind\_Left1  
 (4)0.6Dead+0.6Wind\_Right1  
 (8)Dead+Collateral+F1UNB\_SL\_L  
 (9)Dead+Collateral+0.45Wind\_Left1+0.75F1UNB\_SL\_L  
 (10)Dead+Collateral+F1UNB\_SL\_R  
 (98)Dead+Collateral+0.45Wind\_Right1+0.75F1UNB\_SL\_L

**WIND BENT REACTIONS**

Wall Loc	Col Line	± Reactions (k)				
		0.6Wind		Seismic		
F_SW	A	2	0.7	1.4	0.8	1.6
F_SW	A	3	0.7	1.4	0.8	1.6

**ENDWALL COLUMN REACTIONS(k )**

Frame Line	Col Line	Max Horz	Max +Vert	Max -Vert	Load Id
4	B	1.1	0.2	0.0	(14)
4	B	0.2	0.0	0.0	(16)
4	C	0.0	0.0	0.0	(a)

(a)Load combinations do not produce a max for this direction  
 (14)0.6Dead+0.6Wind\_Right2+0.6Wind\_Suction  
 (16)1.03Dead+1.03Collateral+0.52Seismic\_LongR+0.15E2UNB\_SL\_R

**APPROVAL DRAWINGS**

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- NOT APPROVED

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**APPROVAL & PERMIT**

JOB NAME: Trend Builders

PROJECT NAME: Mescarleo Fire Department

JOB LOCATION: Mescalero, NM 88340

DRAWING TITLE: ANCHOR BOLT REACTIONS

DATE: 10/28/25

DET:

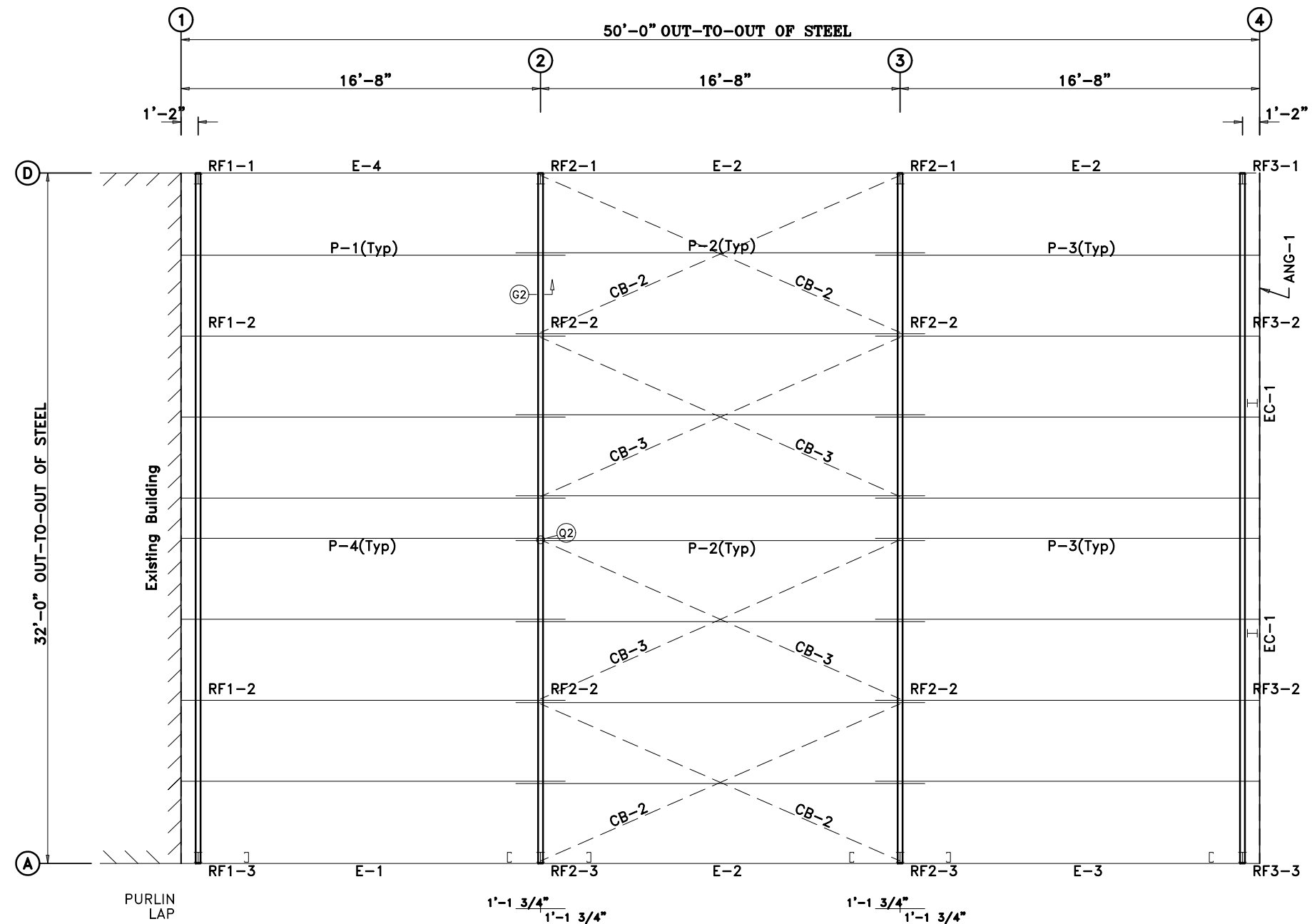
JOB NO.: 25090

PG.: E-2



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MEMBER TABLE			
ROOF PLAN			
QUAN	MARK	PART	LENGTH
4	P-1	8x25Z16	17'-7 1/2"
8	P-2	8x25Z16	18'-11 1/2"
8	P-3	8x25Z16	17'-9 1/2"
4	P-4	8x25Z16	17'-7 1/2"
1	E-1	82LEDS14	16'-5 1/2"
3	E-2	82LEDS14	16'-7 1/2"
1	E-3	82LEDS14	16'-7 1/2"
1	E-4	82LEDS14	16'-5 1/2"
4	CB-2	1/4_CBL	16'-5"
4	CB-3	1/4_CBL	16'-9"



ROOF FRAMING PLAN

**APPROVAL DRAWINGS**

- APPROVED AS DRAWN
- APPROVED AS NOTED
- NOT APPROVED

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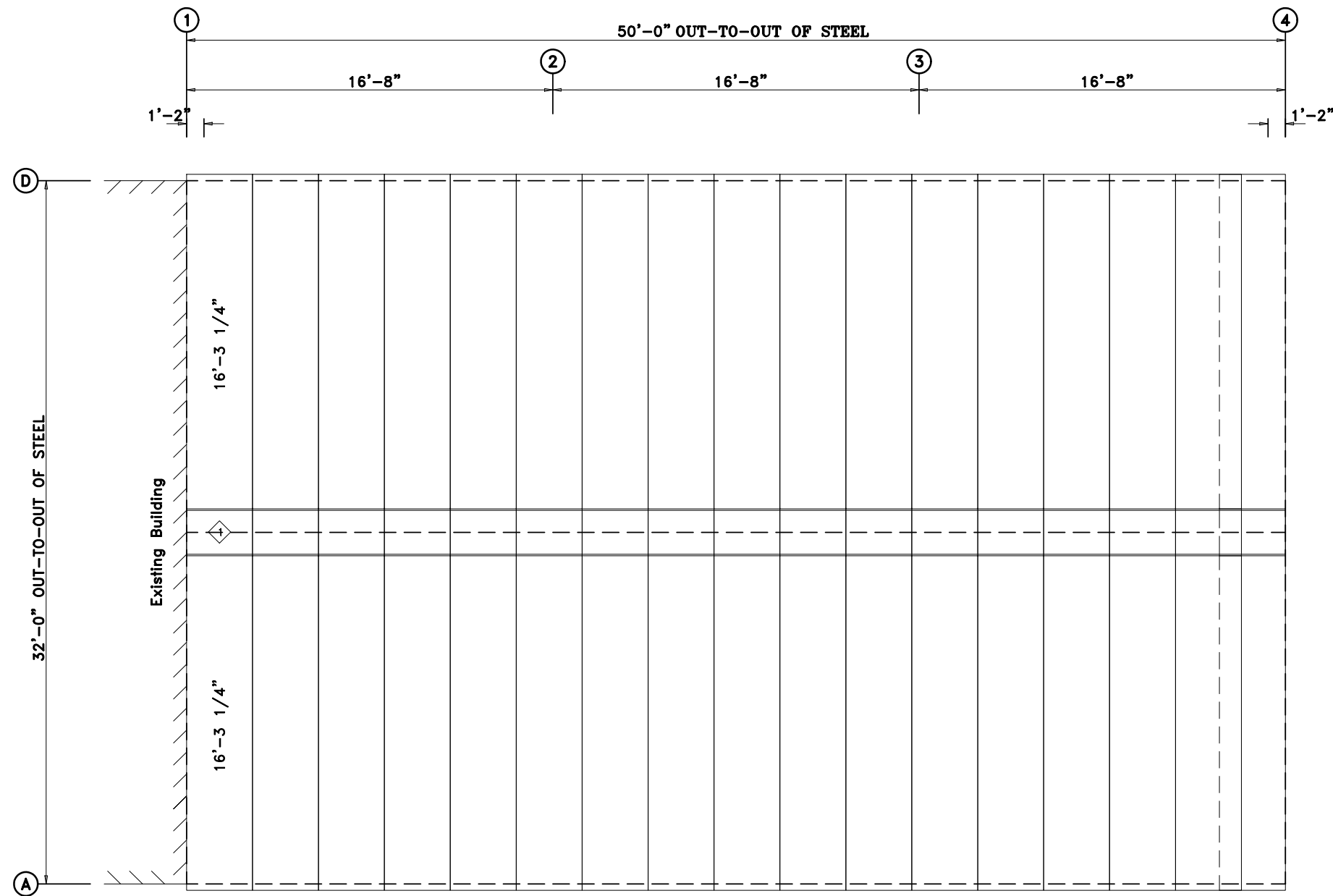
JOB NAME: Trend Builders  
PROJECT NAME: Mescarleo Fire Department

JOB LOCATION: Mescalero, NM 88340

DRAWING TITLE: *ROOF FRAMING PLAN*

DATE: 10/28/25    DET:    JOB NO.: 25090    PG.: E-3

TRIM TABLE				
ROOF PLAN				
◇ID	QUAN	PART	LENGTH	DETAIL
1	17	PEAK 26R	3'-0"	TRIM #1



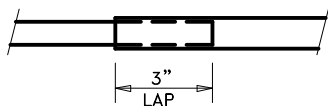
**ROOF SHEETING PLAN**  
**PANELS: 26 Ga. PBR - Emerald Green**

**APPROVAL DRAWINGS**

- APPROVED AS DRAWN
- APPROVED AS NOTED
- NOT APPROVED

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**ALL TRIM LAPS ARE TO BE 3" LONG**

NOTE: If Trim Lap Is More Than 3" Long, The Trim May Not Cover The Required Coverage Length.

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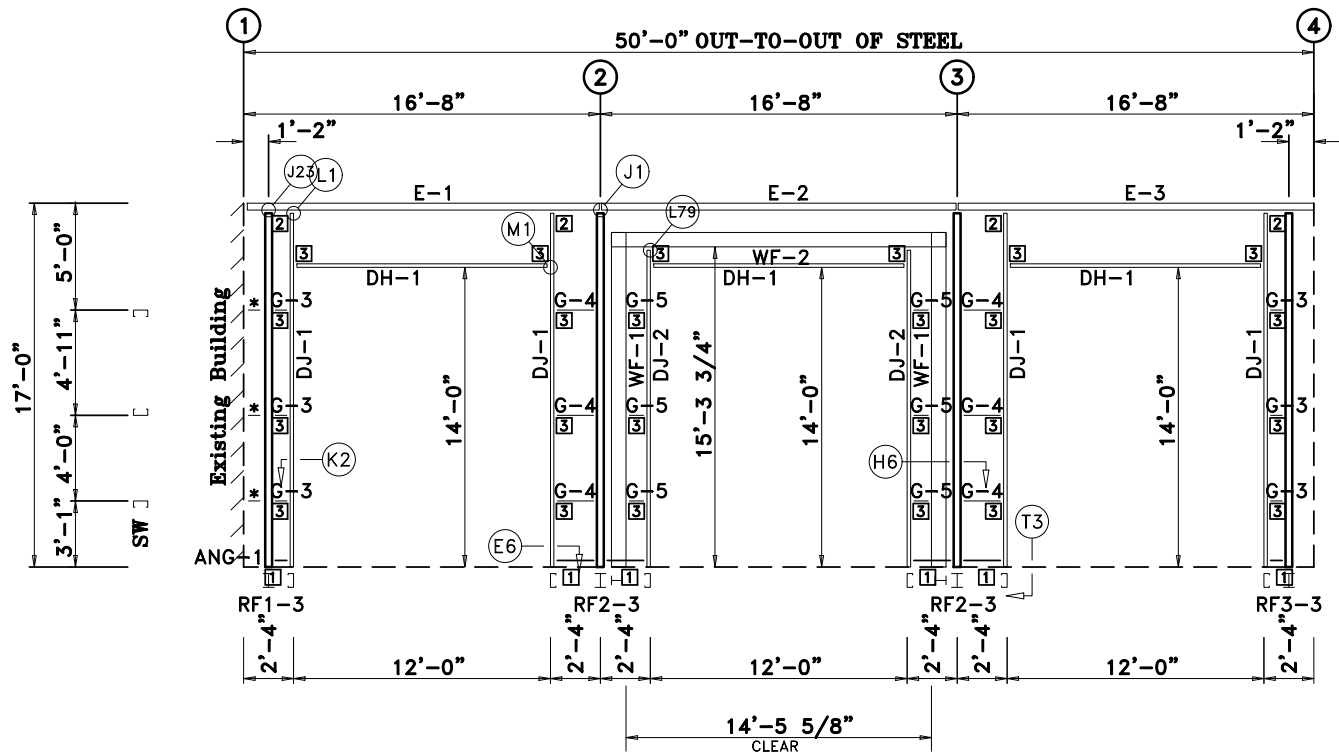
**APPROVAL & PERMIT**

JOB NAME: Trend Builders  
 PROJECT NAME: Mescarleo Fire Department

JOB LOCATION: Mescalero, NM 88340

DRAWING TITLE: *ROOF FRAMING PLAN*

DATE: 10/28/25    DET:    JOB NO.: 25090    PG.: E-4



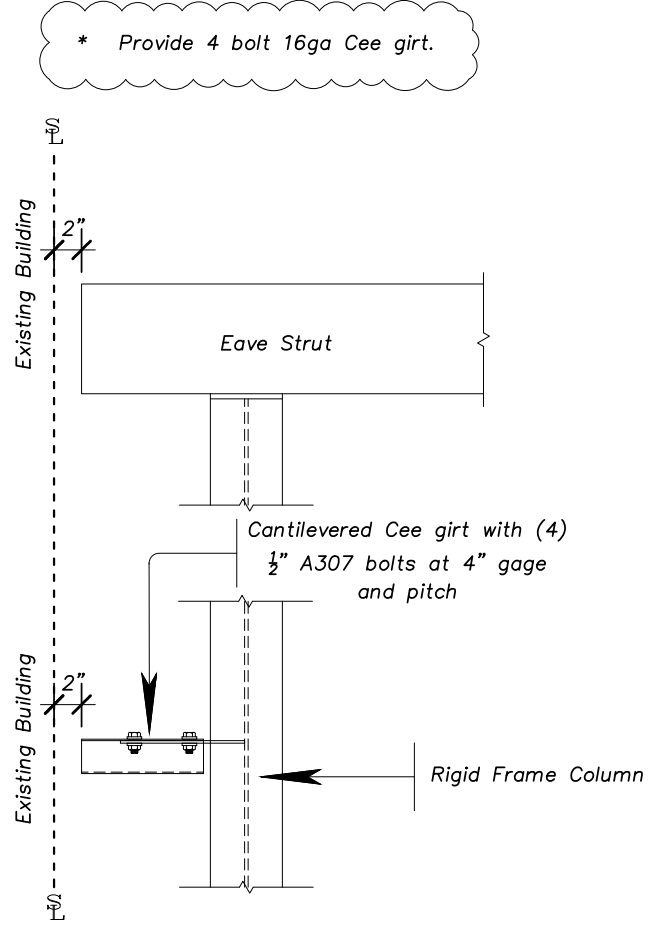
**SIDEWALL FRAMING: FRAME LINE A**

TRIM TABLE				
FRAME LINE A				
ID	QUAN	PART	LENGTH	DETAIL
1	1	JMBTR243	17'-0"	
2	1	CRNTR243	17'-1"	TRIM #2
3	3	GUTT243	16'-10"	TRIM #5
4	5	BACKSPLS	10'-3"	
5	1	SGUTENDL	6"	
6	1	SCRNBX-L	6"	TRIM #16
7	1	SGUTENDR	6"	TRIM #16
8	1	SCRNBX-R	6"	TRIM #16
9	6	JMBTR243	14'-2"	TRIM #6
10	3	HEADR243	12'-4"	TRIM #8

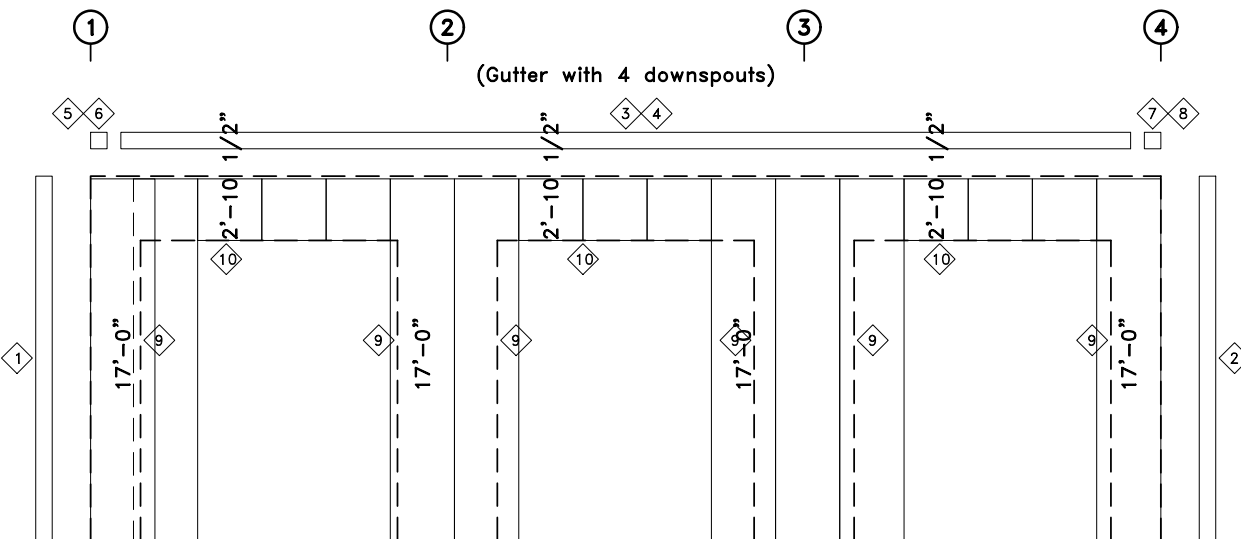
BOLT TABLE				
FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	3/4"	2"
WF-1 - RF2-3	4	A325	3/4"	1 1/2"

MEMBER TABLE				
FRAME LINE A				
QUAN	MARK	PART	LENGTH	
2	WF-1	W8X18	15'-11 7/8"	
1	WF-2	W8X18	14'-5 1/4"	
4	DJ-1	8x35C16	16'-3 5/8"	
2	DJ-2	8x35C16	15'-3 1/2"	
3	DH-1	8x35C16	12'-0"	
1	E-1	82LEDS14	16'-5 1/2"	
1	E-2	82LEDS14	16'-7 1/2"	
1	E-3	82LEDS14	16'-7 1/2"	
6	G-3	8x25C16	7 3/8"	
6	G-4	8x25C16	1'-9 3/8"	
6	G-5	8x25C16	10 9/16"	

CONNECTION PLATES			
FRAME LINE A			
ID	QUAN	MARK/PART	
1	6	C-104	
2	4	C11-8x2	
3	24	C-5	



\* Provide 4 bolt 16ga Cee girt.



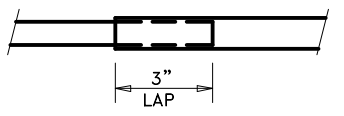
**SIDEWALL SHEETING & TRIM: FRAME LINE A**  
PANELS: 26 Ga. PBR - Colony Green

**APPROVAL DRAWINGS**

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- NOT APPROVED

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**ALL TRIM LAPS ARE TO BE 3" LONG**

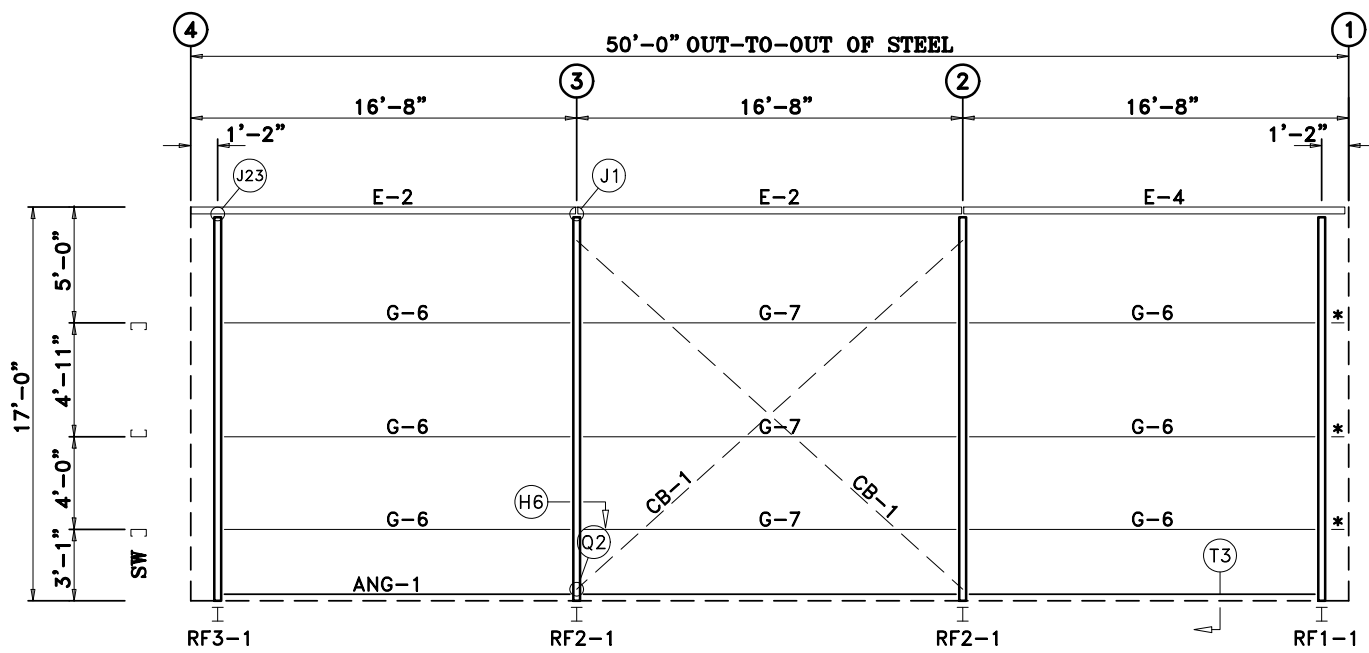
NOTE: If Trim Lap Is More Than 3" Long, The Trim May Not Cover The Required Coverage Length.

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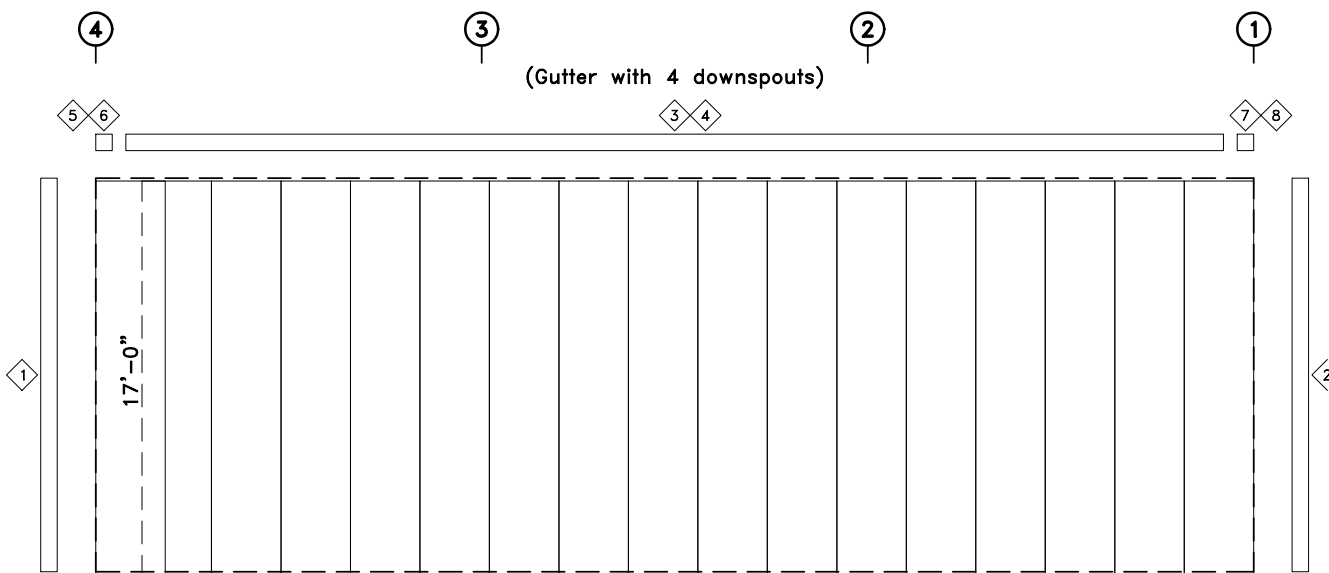
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AC 472

**APPROVAL & PERMIT**

JOB NAME: Trend Builders
PROJECT NAME: Mescarleo Fire Department
JOB LOCATION: Mescalero, NM 88340
DRAWING TITLE: <i>SIDEWALL DRAWING</i>
DATE: 10/28/25
DET:
JOB NO.: 25090
PG.: E-5



**SIDEWALL FRAMING: FRAME LINE D**

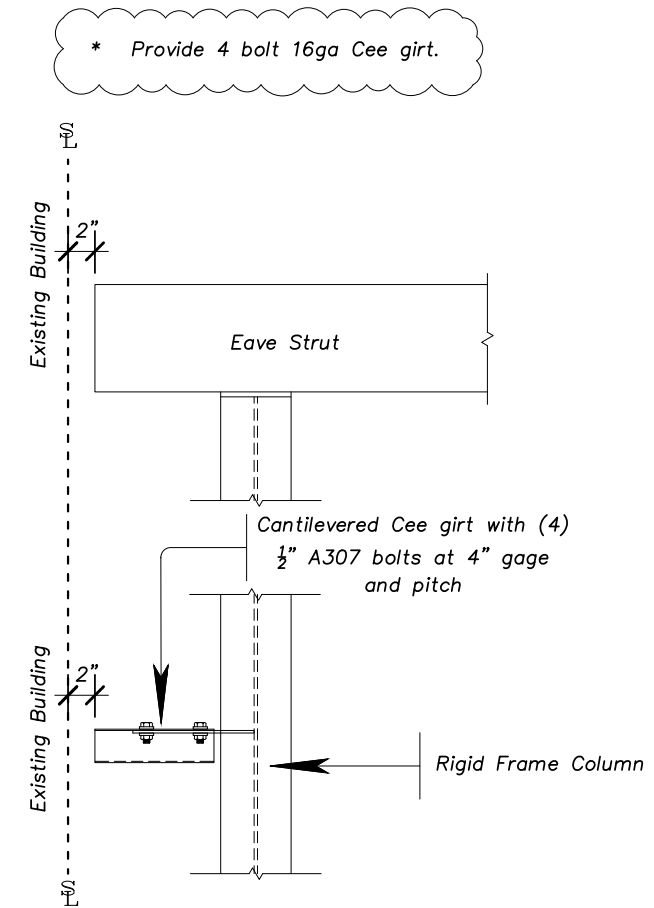


**SIDEWALL SHEETING & TRIM: FRAME LINE D**

PANELS: 26 Ga. PBR - Colony Green

TRIM TABLE				
FRAME LINE D				
ID	QUAN	PART	LENGTH	DETAIL
1	1	CRNTR243	17'-1"	TRIM #2
2	1	JMBTR243	17'-0"	
3	3	GUTT243	16'-10"	TRIM #5
4	5	BACKSPLS	10'-3"	
5	1	SGUTENDL	6"	
6	1	SCRNBX-L	6"	TRIM #16
7	1	SGUTENDR	6"	TRIM #16
8	1	SCRNBX-R	6"	TRIM #16

MEMBER TABLE				
FRAME LINE D				
QUAN	MARK	PART	LENGTH	
2	E-2	82LEDS14	16'-7 1/2"	
1	E-4	82LEDS14	16'-5 1/2"	
6	G-6	8x25C16	15'-0 1/4"	
3	G-7	8x25C16	16'-2 1/4"	
2	CB-1	5/16_CBL	21'-1"	

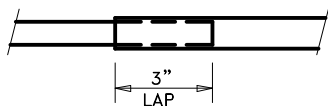


**APPROVAL DRAWINGS**

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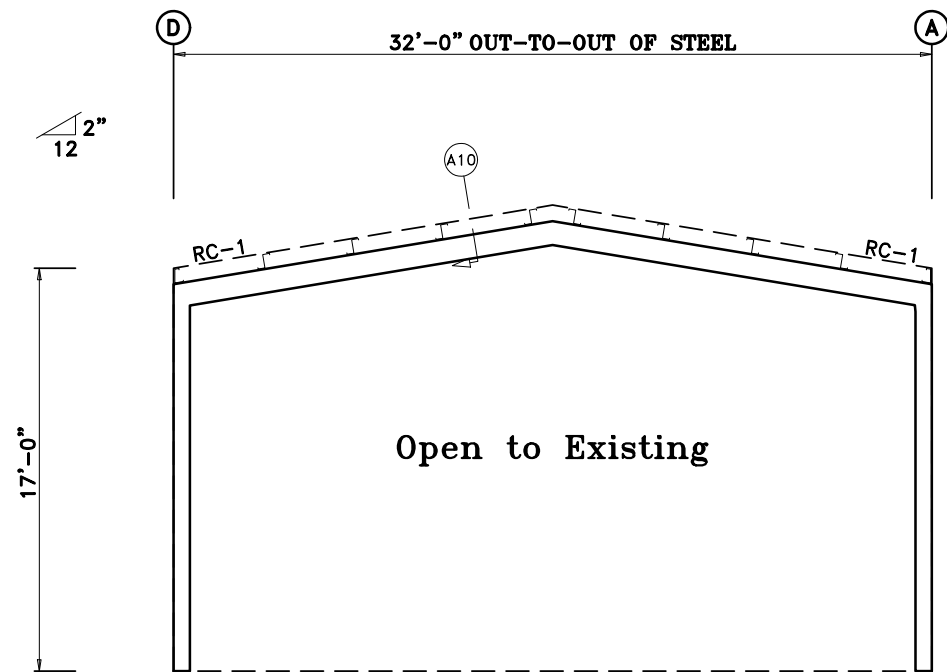
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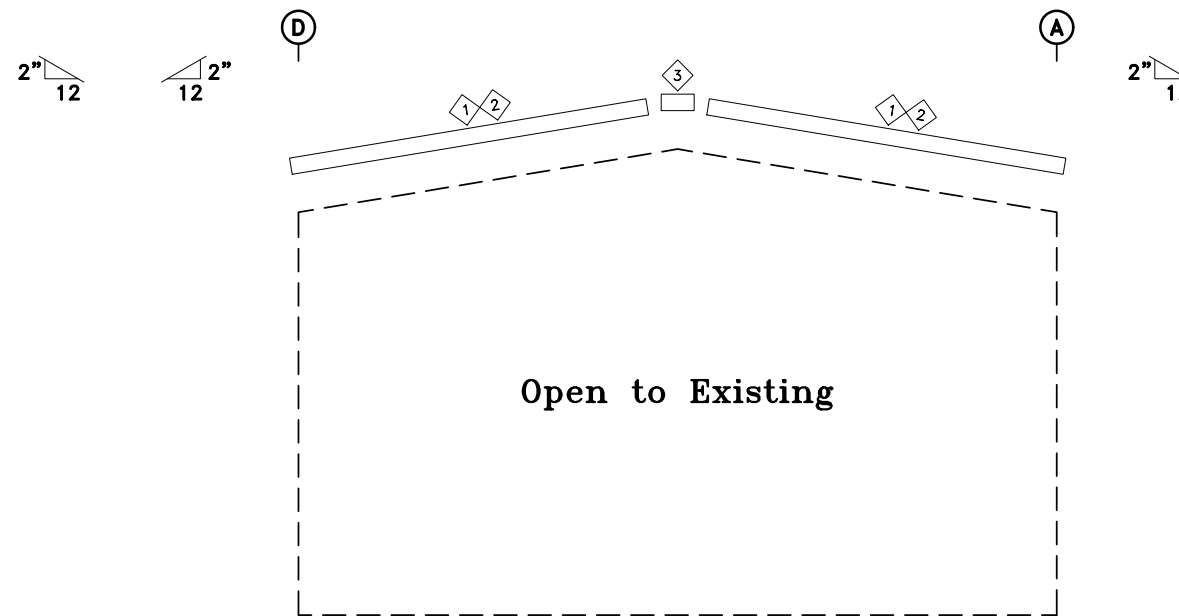
**APPROVAL & PERMIT**

JOB NAME: Trend Builders  
 PROJECT NAME: Mescarleo Fire Department  
 JOB LOCATION: Mescalero, NM 88340  
 DRAWING TITLE: *SIDEWALL DRAWING*  
 DATE: 10/28/25    DET:    JOB NO.: 25090    PG.: E-6

TRIM TABLE				
FRAME LINE 1				
ID	QUAN	PART	LENGTH	DETAIL
1	2	RAKER243	16'-9"	TRIM #15
2	4	RCF-80-O	10'-3"	TRIM #15
3	1	PEAKBX-R	1'-2"	TRIM #15



ENDWALL FRAMING: FRAME LINE 1



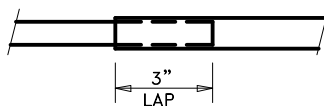
ENDWALL SHEETING & TRIM: FRAME LINE 1

**APPROVAL DRAWINGS**

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PROJECT NAME: Mescarleo Fire Department

JOB LOCATION: Mescalero, NM 88340

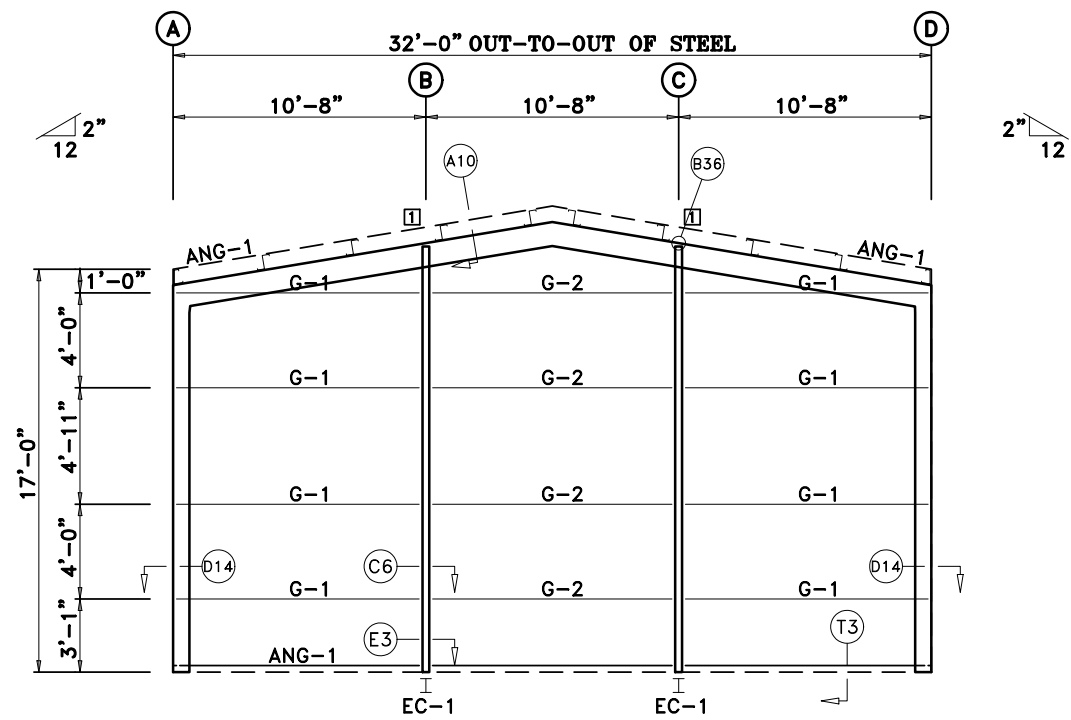
DRAWING TITLE: *ENDWALL DRAWING*

DATE: 10/28/25

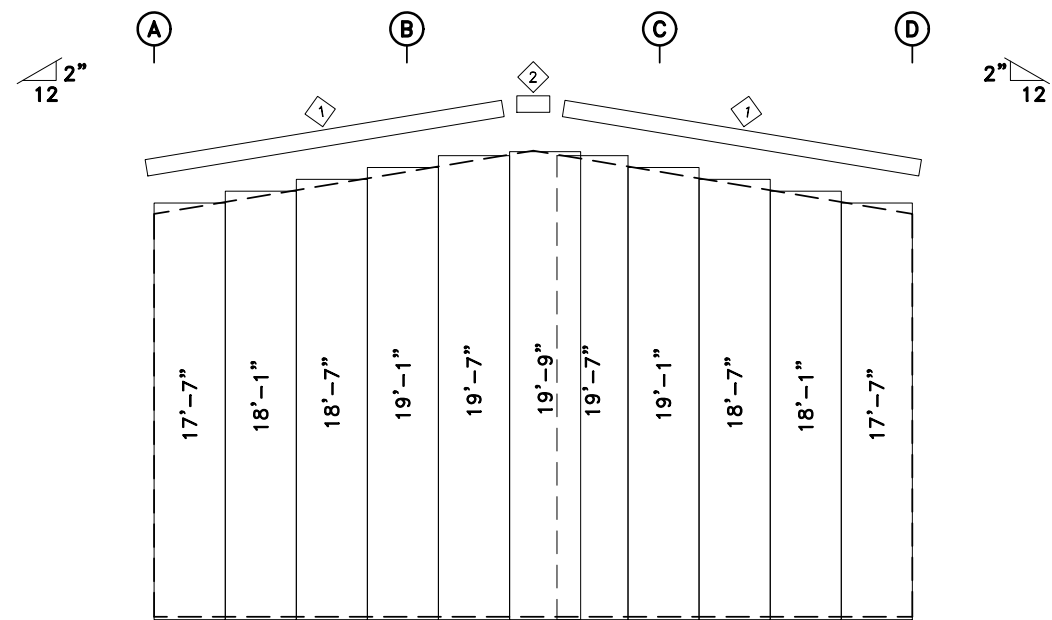
DET:

JOB NO.: 25090

PG.: E-7



**ENDWALL FRAMING: FRAME LINE 4**



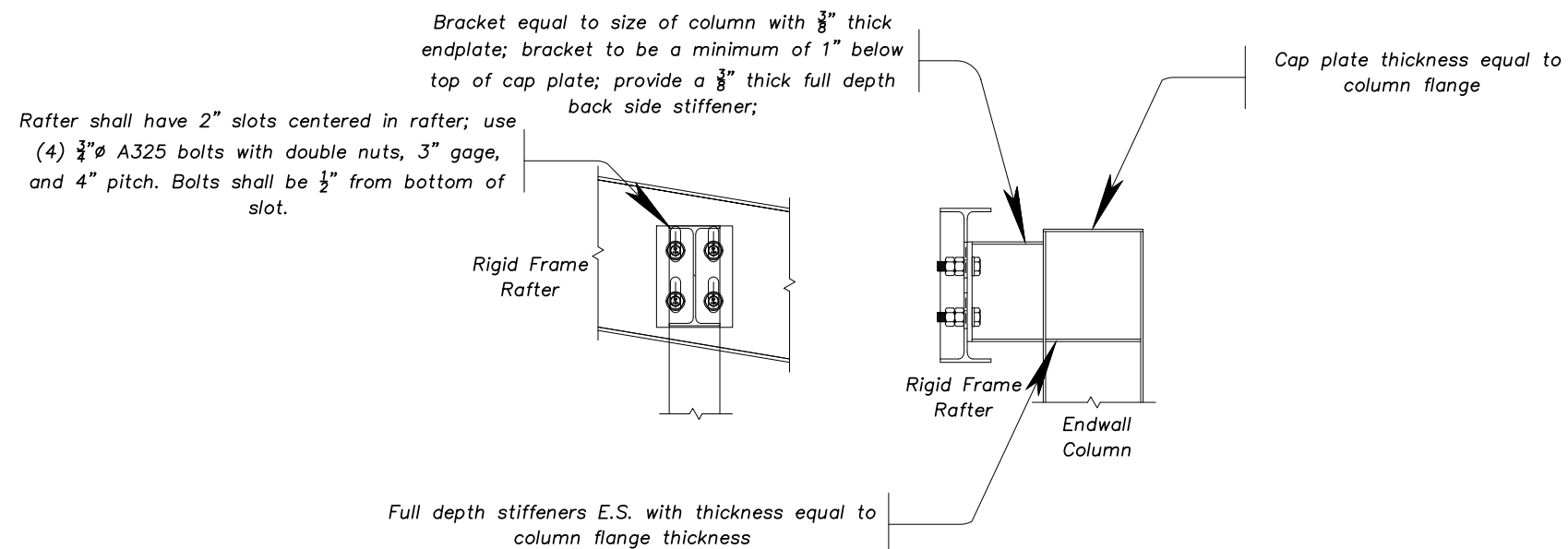
**ENDWALL SHEETING & TRIM: FRAME LINE 4**  
PANELS: 26 Ga. PBR - Colony Green

TRIM TABLE				
FRAME LINE 4				
ID	QUAN	PART	LENGTH	DETAIL
1	2	RAKER243	16'-9"	TRIM #3
2	1	PEAKBX-R	1'-2"	TRIM #15

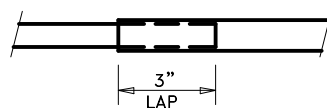
BOLT TABLE				
FRAME LINE 4				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	1/2"	1 1/4"

MEMBER TABLE				
FRAME LINE 4				
QUAN	MARK	PART	LENGTH	
2	EC-1	W8X10	17'-10 3/16"	
8	G-1	8x25C16	10'-5 1/2"	
4	G-2	8x25C16	10'-3 1/2"	

CONNECTION PLATES			
FRAME LINE 4			
ID	QUAN	MARK/PART	
1	2	n1	



1 Endwall Column Connection Detail On Frame Line #1



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**APPROVAL DRAWINGS**

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- NOT APPROVED

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JOB NAME: Trend Builders  
PROJECT NAME: Mescarleo Fire Department  
JOB LOCATION: Mescalero, NM 88340  
DRAWING TITLE: **ENDWALL DRAWING**  
DATE: 10/28/25 DET: JOB NO.: 25090 PG.: E-8

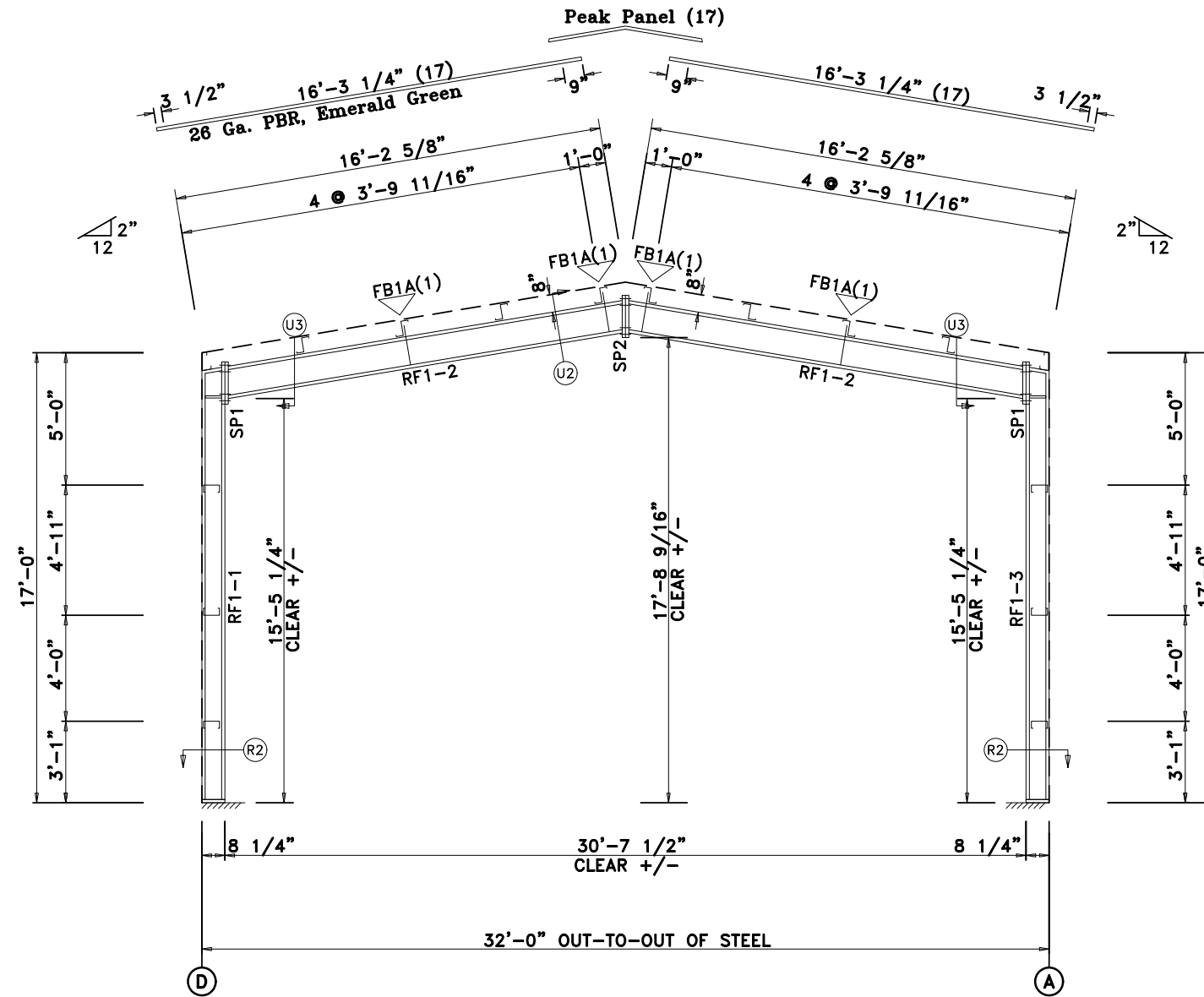
**SPLICE PLATE & BOLT TABLE**

Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length
SP1	4	4	0	A325	5/8"	1'-3 3/4"	6"	3/8"	1'-6 1/2"
SP2	4	4	0	A325	3/4"	2"	6"	1/2"	1'-6 1/2"

**MEMBER SIZE TABLE**

MARK	MEMBER	LENGTH
RF1-1	W8X21	16'-3 7/8"
RF1-2	W12X14	15'-6 5/16"
RF1-3	W8X21	16'-3 7/8"

▽ FLANGE BRACES: Both Sides(U.N.)  
 FBxxA(1)  
 A - F2X2X14g



**RIGID FRAME SECTION: FRAME LINE 1**

**APPROVAL DRAWINGS**

- APPROVED AS DRAWN
- APPROVED AS NOTED
- NOT APPROVED

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JOB NAME: Trend Builders

PROJECT NAME: Mescarleo Fire Department

JOB LOCATION: Mescalero, NM 88340

DRAWING TITLE: RIGID FRAME SECTION

DATE: 10/28/25

DET:

JOB NO.: 25090

PG.: E-9

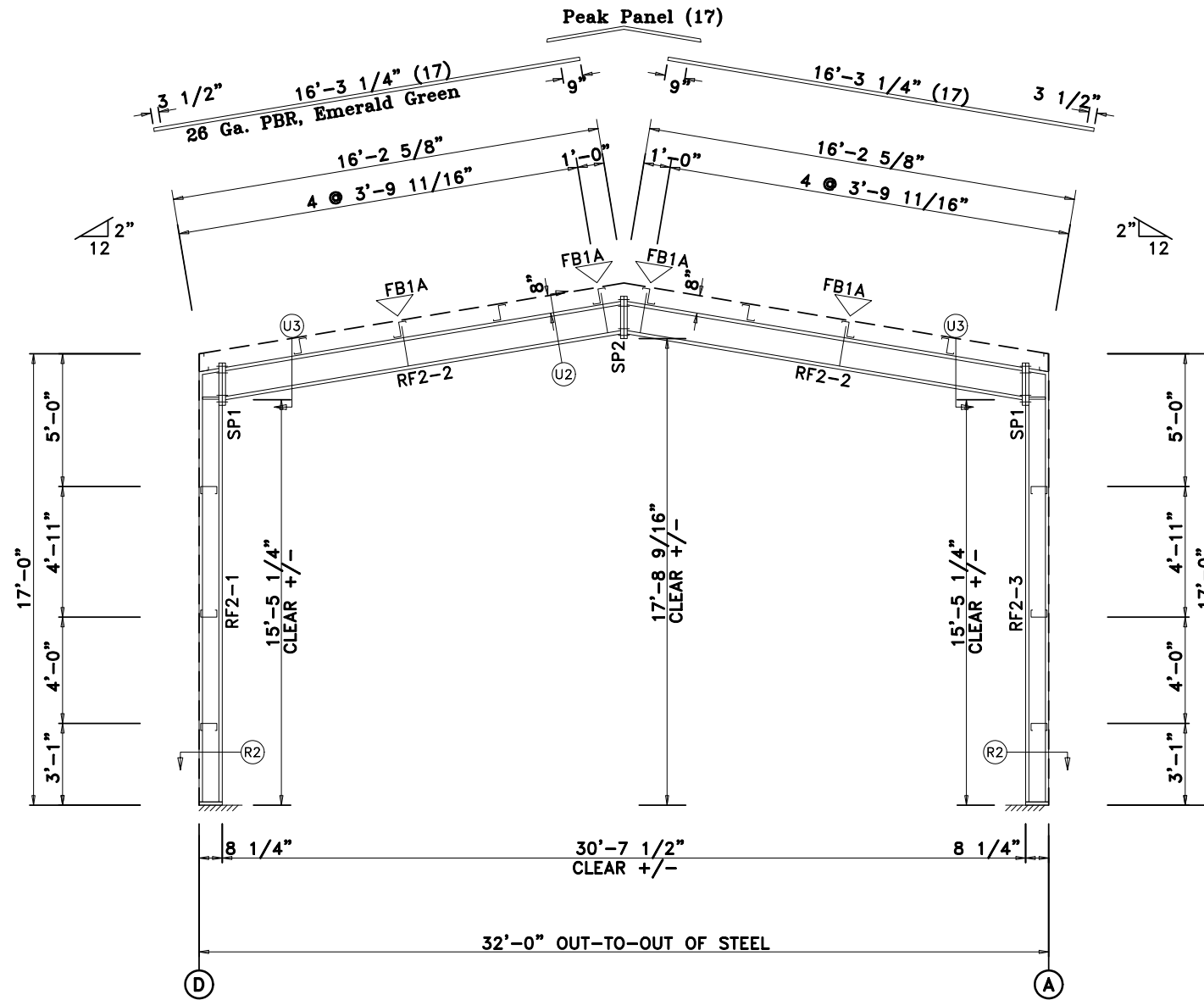
**SPLICE PLATE & BOLT TABLE**

Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length
SP1	4	4	0	A325	5/8"	1'-3 3/4"	6"	3/8"	1'-6 1/2"
SP2	4	4	0	A325	3/4"	2"	6"	1/2"	1'-6 1/2"

**MEMBER SIZE TABLE**

MARK	MEMBER	LENGTH
RF2-1	W8X21	16'-3 7/8"
RF2-2	W12X14	15'-6 5/16"
RF2-3	W8X21	16'-3 7/8"

▽ FLANGE BRACES: Both Sides(U.N.)  
 FBxxA(1)  
 A - F2X2X14g



**RIGID FRAME SECTION: FRAME LINE 2 3**

**APPROVAL DRAWINGS**

- APPROVED AS DRAWN
- APPROVED AS NOTED
- NOT APPROVED

\_\_\_\_ INITIAL

Please Check And Approve All Dimensions  
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ACCREDITED™  
 Metal Building Systems  
 AC 472

**APPROVAL & PERMIT**

JOB NAME: Trend Builders

PROJECT NAME: Mescarleo Fire Department

JOB LOCATION: Mescalero, NM 88340

DRAWING TITLE: RIGID FRAME SECTION

DATE: 10/28/25

DET:

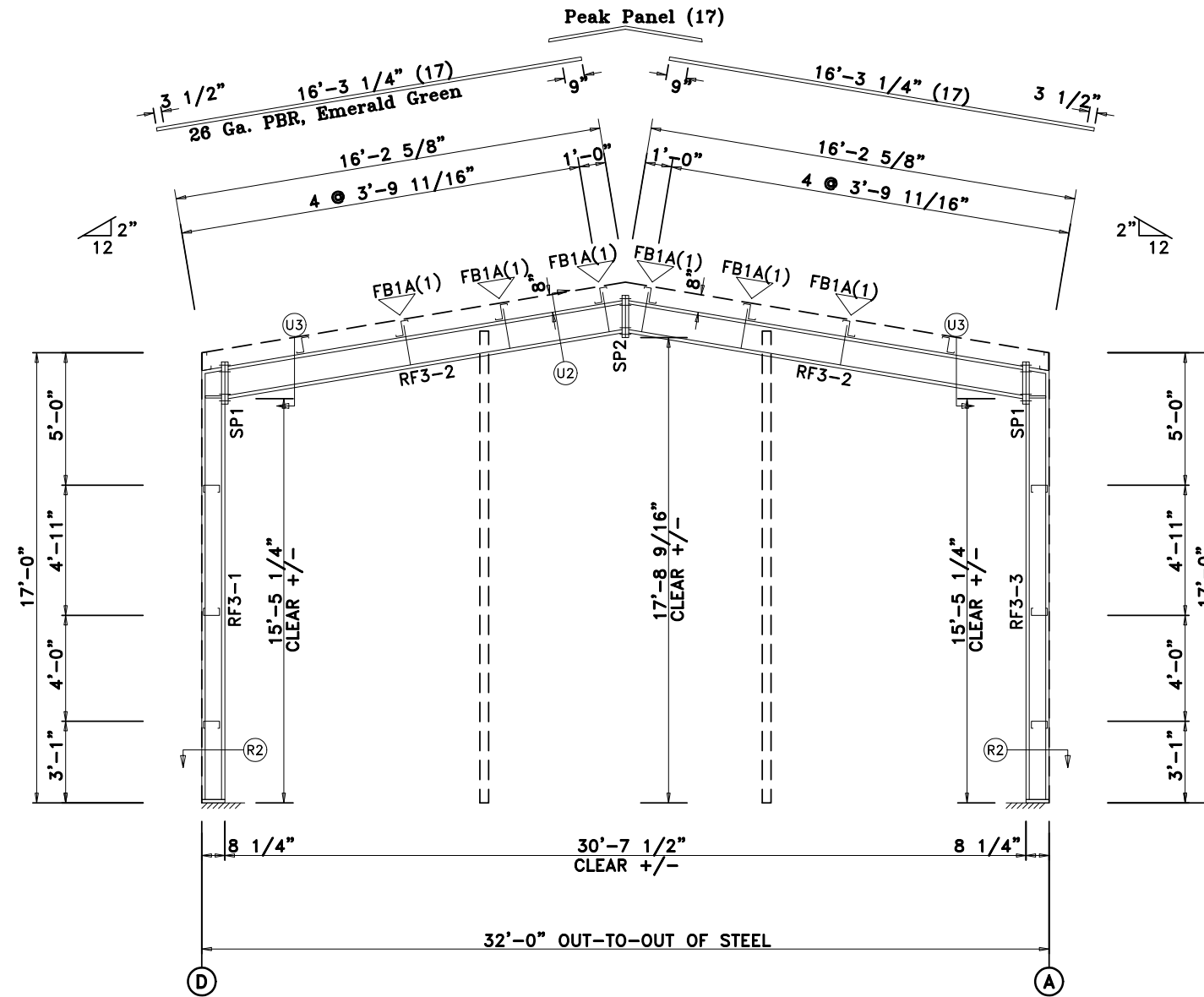
JOB NO.: 25090

PG.: E-10

SPLICE PLATE & BOLT TABLE									
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length
SP1	4	4	0	A325	5/8"	1'-3 3/4"	6"	3/8"	1'-6 1/2"
SP2	4	4	0	A325	3/4"	2"	6"	1/2"	1'-6 1/2"

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF3-1	W8X21	16'-3 7/8"
RF3-2	W12X14	15'-6 5/16"
RF3-3	W8X21	16'-3 7/8"

▽ FLANGE BRACES: Both Sides(U.N.)  
 FBxxA(1)  
 A - F2X2X14g



RIGID FRAME SECTION: FRAME LINE 4

### APPROVAL DRAWINGS

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### APPROVAL & PERMIT

JOB NAME: Trend Builders

PROJECT NAME: Mescarleo Fire Department

JOB LOCATION: Mescalero, NM 88340

DRAWING TITLE: RIGID FRAME SECTION

DATE: 10/28/25

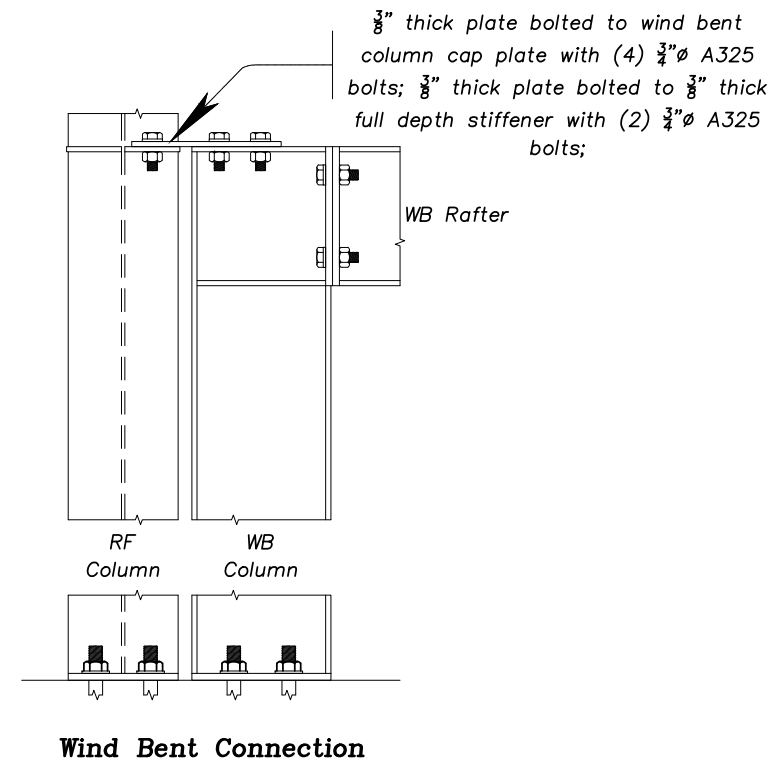
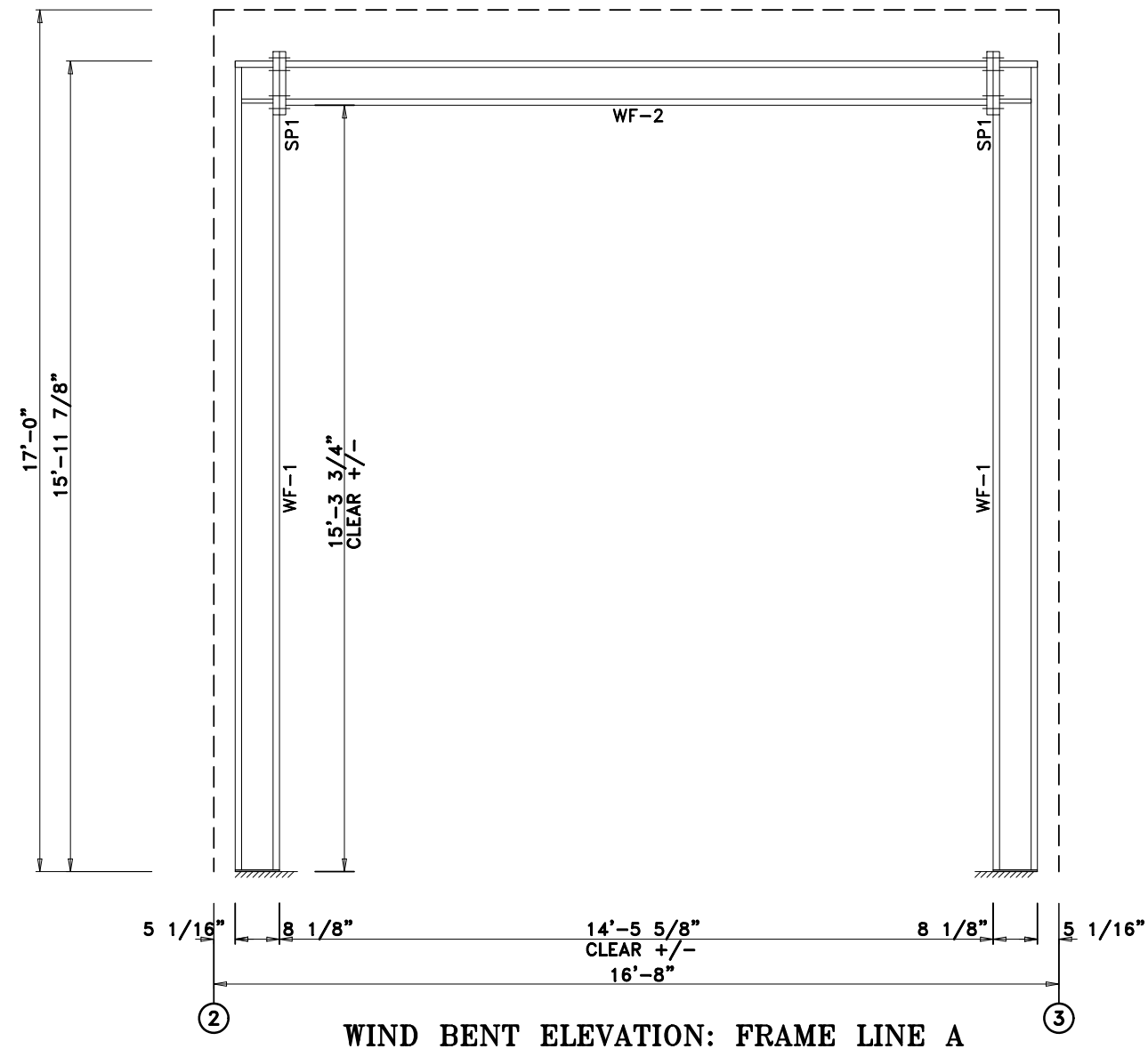
DET:

JOB NO.: 25090

PG.: E-11

SPLICE BOLTS				
Splice Mark	Quan Top/Bot	Type	Dia	Length
SP1	4 4	A325	0.750	2.00

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-2	W8X18	14'-5 1/4"
WF-1	W8X18	15'-11 7/8"



### APPROVAL DRAWINGS

- APPROVED AS DRAWN
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- NOT APPROVED

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JOB NAME: Trend Builders

PROJECT NAME: Mescarleo Fire Department

JOB LOCATION: Mescalero, NM 88340

DRAWING TITLE: WIND BENT ELEVATION

DATE: 10/28/25

DET:

JOB NO.: 25090

PG.: E-12