

GENERAL NOTES

1. CO BUILDING SYSTEMS STANDARD PRODUCT SPECIFICATIONS (UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS) APPLY. CO BUILDING SYSTEMS DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK. IN CASE OF DISCREPANCIES BETWEEN CO BUILDING SYSTEMS STRUCTURAL PLANS AND PLANS FOR OTHER TRADES, CO BUILDING SYSTEMS PLANS SHALL GOVERN.

2. IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.

3. APPROVAL OF CO BUILDING SYSTEMS DRAWINGS CONSTITUTES THE BUILDER/CONTRACTOR'S ACCEPTANCE OF CO BUILDING SYSTEMS INTERPRETATION OF THE CONTRACT PURCHASE ORDER.

4. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF CO BUILDING SYSTEMS.

5. CO BUILDING SYSTEMS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR FOUNDATION, FLOOR, OR SLAB DESIGN OR CONSTRUCTION.

6. THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION, COLUMN FOOTINGS AND PIERS MUST BE DESIGNED TO WITHSTAND HORIZONTAL AND VERTICAL REACTIONS. REACTIONS ARE GIVEN IN KIPS (1 KIP = 1000 Lbs.)

7. ALL COLUMN BASE PLATES SET AT FINISHED FLOOR (100'-0") UNLESS NOTED (U.N.) SEE DETAIL TEMPLATES ON ANCHOR BOLT PLAN.

8. ALL ANCHOR BOLTS, INCLUDING NUTS AND WASHERS FOR SAME, ARE NOT FURNISHED BY CO BUILDING SYSTEMS. BOLT LENGTHS ARE TO BE DETERMINED BY THE FOUNDATION DESIGNER. ANCHOR BOLT MATERIALS SHALL CONFORM TO ASTM F1554 GR 36 OR EQUAL.

9. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION. REFER TO ANCHOR BOLT SUMMARY TABLE ON ANCHOR BOLT PLAN FOR PROJECTION.

10. WALK DOORS ARE FIELD LOCATED AND ARE NOT SHOWN ON THE BUILDING ERECTION DRAWINGS. WEDGE ANCHORS ARE PROVIDED AND ARE TO BE FIELD DRILLED. ALLOW NECESSARY TOLERANCES WHEN WALK DOORS ARE LOCATED IN MASONRY OR CONCRETE OPENINGS. TYPICAL TOLERANCE IS DOOR WIDTH + 5 1/4" MINIMUM.

11. WINDOW FRAMED OPENINGS ARE FIELD LOCATED AND ARE NOT SHOWN ON THE BUILDING ERECTION DRAWINGS. WINDOW FRAMED OPENINGS DO NOT INCLUDE WINDOWS. WEDGE ANCHORS ARE PROVIDED WITH FULL CEE FRAMED OPENINGS AND ARE TO BE FIELD DRILLED.

12. OVERHEAD DOORS ARE FACTORY LOCATED AND ARE SHOWN ON THE BUILDING ERECTION DRAWINGS. OVERHEAD DOORS ARE FRAMED OPENING W/TRIM ONLY AND DO NOT INCLUDE DOORS.

13. MATERIALS:

ITEM	YIELD (ksi)	ASTM SPECIFICATION
PLATE/BAR		
10 ga. 3/16"+	55 55	A1011 GRADE 55 A572, A529 GRADE 55
HOT ROLLED STRUCTURAL SHAPES		
ANGLE	36	A36
BRACE ROD	50	A529 GRADE 50
W.S,M,C,MC	50	A529, A572, A992 GRADE 50
TUBE STEEL	46	A500 GRADE B
PIPE	42	A500 GRADE B
COLD FORMED STRUCTURAL SHAPES		
PAINTED	55	A1011 GRADE 55
GALVANIZED	55	A563 GRADE 55
ROOF AND WALL SHEETS		
26 ga.	80	A792, A653 GRADE 80
24 ga.	50	A792, A653 GRADE 50
BRACE CABLE	E.H.S. EXTRA HIGH STRENGTH	A475
BOLTS		F3125 GR A325, A307 (A307 U.N.)

14. ELECTRODES ER70 S-6 (GMAW) F7A6-EC1 (SAW)

ELECTRODES USED ON MEMBERS AND CONNECTIONS THAT ARE PART OF THE SEISMIC LOAD RESISTING SYSTEM (SLRS) MUST MEET THE REQUIREMENTS OF AISC 341-10 AND AWS D1.8/D1.8M, HAVING A MIN. CHARPY V-NOTCH TOUGHNESS=20 ft-lb AT 0°F.

15. SHOP PRIMER IS A RUST INHIBITIVE PRIMER AND IS CO BUILDING SYSTEMS COLOR RED OXIDE. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS.

16. A325 BOLT TIGHTENING REQUIREMENTS:

ALL HIGH STRENGTH BOLTS ARE A325 UNLESS SPECIFICALLY NOTED OTHERWISE.

STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE TURN OF THE NUT METHOD OR CALIBRATED WRENCH METHOD IN ACCORDANCE WITH RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR 490 BOLTS. PER SECTION 6.2, A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN OF THE NUT METHOD.

ALL HIGH STRENGTH BOLTS, EXCEPT AS NOTED OTHERWISE, ARE SUBJECT TO DIRECT TENSION AND MAY REQUIRE INSPECTION AS DEFINED BY THE APPLICABLE BUILDING CODE OR STANDARD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS.

DRAWING INDEX

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BUILDING DESIGN INFORMATION

NOMINAL WIDTH : 90 feet

LENGTH : 140 feet

EAVE HEIGHT : 22 feet

ROOF SLOPE : 0.5:12

This Document is to certify that the project that is referenced and its components have been designed in general accordance with the AISC 360-16 Specification for Structural Steel Buildings and the AISI S100-2016 NAUS Specification for Cold-Formed Members, as well as the designated building code stipulated in the order documentation.

Based on the requirements of the order documentation, the structural design criteria applied to the design of the project is as follows:

DESIGN LOADS:

BUILDING CODE : IBC 18
RISK CATEGORY : II - Normal

ROOF LOAD DATA
ROOF DEAD LOAD : 2.50 psf
ROOF COLLATERAL LOAD : 0.00 psf
ROOF LIVE LOAD : 20.00 psf
RAIN INTENSITY : 4.0000 in/hr

FLOOR LOAD DATA
FLOOR DEAD LOAD : psf
FLOOR COLLATERAL LOAD : psf
FLOOR LIVE LOAD : psf

SNOW LOAD DATA
GROUND SNOW LOAD, Pg : 47.0 psf
FLAT-ROOF SNOW LOAD, Pf : 35.00 psf
SNOW EXPOSURE FACTOR, Ce : 1.00
SNOW IMPORTANCE FACTOR, Is : 1.00
THERMAL FACTOR, Ct : 1.00
SLOPE FACTOR, Cs : 1.00

WIND LOAD DATA
BASIC DESIGN WIND SPEED, V : 110 mph
ALLOWABLE STRESS DESIGN WIND SPEED, Vasd : 85 mph
WIND EXPOSURE : C
INTERNAL PRESSURE COEFFICIENT : +0.18
DESIGN WIND PRESSURE FOR COMPONENTS : 17.7 /-19.6 psf
DESIGN WIND PRESSURE FOR CLADDING : 21.9 /-23.8 psf

EARTHQUAKE DESIGN DATA
(EQUIVALENT LATERAL FORCE ANALYSIS)
SEISMIC IMPORTANCE FACTOR : 1.00
SEISMIC SITE CLASS : D-DEFAULT

SEISMIC DESIGN CATEGORY : D
SITE COEFFICIENTS : Fa: 1.454 Fv: 2.296

MAPPED SPECTRAL RESPONSE ACCELERATION : Ss: 0.432 S1: 0.152

MAX. CONSIDERED SPECTRAL RESPONSE ACC. : Sms: 0.628 Sm1: 0.349

SPECTRAL RESPONSE COEFFICIENTS : Sds: 0.419 Sd1: 0.233

LONGITUDINAL DESIGN BASE SHEAR, V : 24.93 kips

TRANSVERSE DESIGN BASE SHEAR, V : 23.56 kips

BASIC SEISMIC FORCE-RESISTING SYSTEM : SEISMIC RESPONSE COEFFICIENT, CS : RESPONSE MODIFICATION COEFFICIENT, R

LOCATION	FRONT SW	OCBF	0.129	3.25
BACK SW	OCBF	0.129	3.25	
LEFT EW	OCBF	0.129	3.25	
RIGHT EW	OCBF	0.129	3.25	
TRANSVERSE	OSMF	0.12	3.5	

LONGITUDINAL CRANE LOAD DATA : tons

CRANE TYPE : kips

SERVICE CLASS : kips

MAX. CRANE CAPACITY : lbs/ft

MAX. BRIDGE WEIGHT : ft

MAX. HOIST & TROLLEY WT : ft

MAX. RAIL & R.W. BEAM WT : ft

SPECIFIED WHEEL BASE : ft

SPECIAL LOADS:
This letter of certification applies solely to the above referenced project and its components as furnished by CO Building Systems Inc. Items specifically not covered by this letter of certification include, but are not limited to, any foundation design, masonry design, or general contract work.

The certification covers the static and dynamic forces acting on this project and its components as stipulated in the order documentation.

Primary framing, secondary framing, screw-down sheeting, and standing seam roof panels are manufactured at CO Building Systems Inc. facility at 320 W 100 N in Ephraim, Utah.

ENGINEER'S STAMP



SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT THE CO BUILDING SYSTEMS INC. ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM SUPPLIED BY CO BUILDING SYSTEMS INC. IS INCLUDED BY THE SEALING OF THESE DRAWINGS. FOUNDATION DESIGN, ELECTRICAL, MECHANICAL, AND ALL OTHER TRADES ARE SPECIFICALLY EXCLUDED.

DRAWING COVER REVISION: 0 3/4/25



BUILDER: STEEL CONCEPTS LLC
447 HUCKLEBERRY LANE
SUGAR CITY, ID 83448
208-390-1244

OWNER: FIT 1

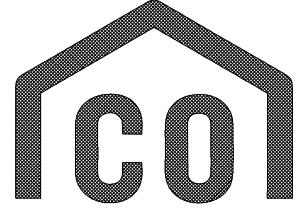
3535 E AVALANCHE ST
IDAHO FALLS, ID 83401

PROJECT: GYMNASIUM
JOB #: 25023360

FIT 1
25023360

3535 E AVALANCHE ST
IDAHO FALLS, ID 83401

90 x 140 x 22 x 25.8
GYMNASIUM



BUILDING SYSTEMS INC.



MEMBER

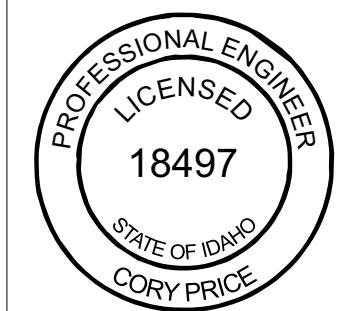


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REVISIONS	ANCHOR BOLT PLAN & DETAILS
	DESCRIPTION

FIT 1
3535 E AVALANCHE ST
IDAHO FALLS, ID 83401

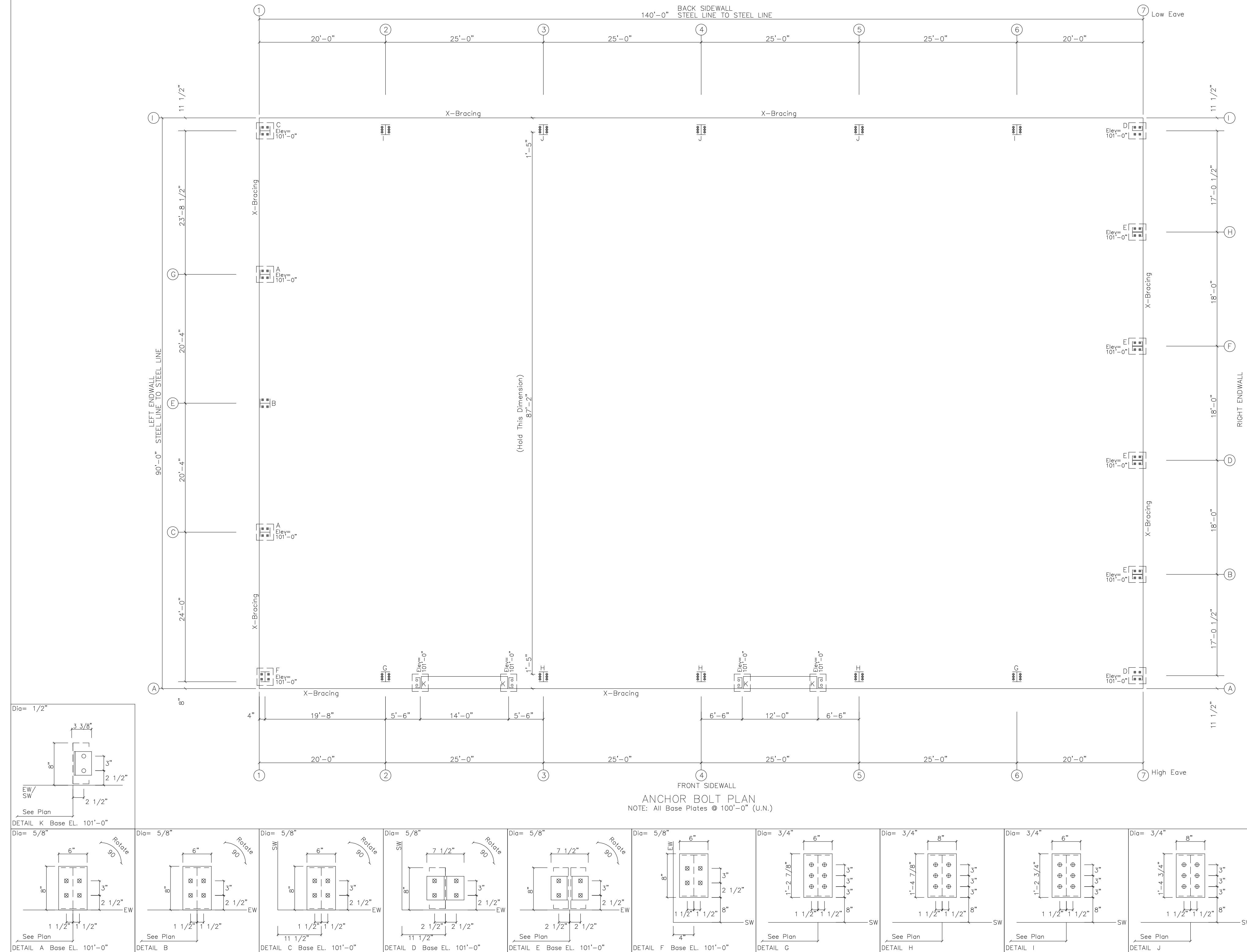
GYMNASIUM



DESIGN: WP
DRAFT: WP
CHECK:
DATE: 3/ 4/25

25023360

15 0



ANCHOR BOLT REACTIONS

REV DATE: □ □ □ □ □

REVISIONS

DESIGN: WP
DRAFT: WP
CHECK:
DATE: 3 / 4 / 25
JOB # 25023360
SHEET 2 OF 13 REV 0

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)												
Frm	Col	Dead	Live	Snow	Wind_Left1	Wind_Right1	Wind_Left2	Wind_Right2	Wind_Press			
Line	Line	Vert	Vert	Vert	Horz	Horz	Horz	Horz	Horz	Vert	Vert	
1	I	2.5	0.0	-5.8	-1.7	-0.9	-1.4	0.0	0.2	-2.0	0.0	
1	G	1.6	8.0	14.0	0.0	-8.5	2.6	-8.1	0.0	-5.5	2.6	
1	E	1.2	5.6	9.8	0.0	-7.1	0.0	-4.1	0.0	-5.1	0.0	
1	C	1.6	8.0	14.0	-1.8	-12.1	0.0	-2.8	-1.7	-9.0	0.0	
1	A	1.0	5.0	8.8	0.0	-3.4	2.6	-8.2	0.0	-2.3	2.6	
										-7.0	-7.2	
										-7.2	-6.1	
Frm	Col	Wind_Suct	Wind_Left1	Wind_Right1	Wind_Left2	Seis_Left	Seis_Right	Seis_Long	Wind_Press			
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Horz	Vert	Vert	
1	I	2.5	0.0	-3.8	0.0	-2.3	-1.8	-1.5	0.0	1.7	0.1	
1	G	4.4	0.0	-13.4	0.0	-12.2	0.0	-18.0	-1.6	0.1	0.0	
1	E	4.4	0.0	0.0	-6.9	0.0	-3.9	0.0	0.0	0.1	0.0	
1	C	4.8	0.0	-10.1	0.0	-5.9	-1.8	-1.7	0.0	1.7	0.1	
1	A	2.4	6.1	0.5	-4.5	0.2	-2.4	0.1	1.6	1.8	-1.8	
										-7.9	-9.4	
										0.0	5.0	
Frm	Col	E1PAT_SL_1-	E1PAT_SL_2-	E1PAT_SL_3-	E1PAT_SL_4-	E1PAT_SL_5-						
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Vert	Vert	
1	I	0.0	3.0	0.0	0.0	0.0	2.8	0.0	-0.2	0.0	0.0	
1	G	0.0	4.5	0.0	0.2	0.0	7.5	0.0	-0.2	0.0	0.0	
1	E	0.0	-0.9	0.0	-0.9	0.0	2.4	0.0	0.6	0.0	2.3	
1	C	0.0	0.2	0.0	0.45	0.0	-0.2	0.0	-0.6	0.0	0.75	
1	A	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	2.8	
Frm	Col	Dead	Live	Snow	Wind_Left1	Wind_Right1	Wind_Left2	Wind_Right2	Wind_Press	Wind_Suct		
Line	Line	Vert	Vert	Vert	Horz	Horz	Horz	Horz	Horz	Horz	Vert	
7	A	0.8	4.2	7.4	0.0	-5.1	0.0	-4.3	0.0	-3.1	1.9	
7	B	1.2	5.9	10.3	-2.6	-7.1	0.0	-4.7	0.0	-3.4	3.5	
7	D	1.1	5.7	10.0	0.0	-0.8	1.8	-9.4	0.0	-1.7	7.2	
7	F	1.1	5.7	10.0	-2.6	-7.1	0.0	-5.3	0.0	-3.3	3.8	
7	H	1.2	5.9	10.3	0.0	-1.2	0.0	-9.4	0.0	-3.2	3.7	
7	I	0.8	4.2	7.4	0.0	-2.8	0.0	-6.2	0.0	-1.9	0.0	
										-1.6	1.9	
Frm	Col	Wind_Long1	Wind_Long2		Seis_Left	Seis_Right	Seis_Long					
Line	Line	Horz	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Vert	
7	A	0.0	-2.9	0.0	-1.6	0.0	0.0	0.0	0.4	0.0	-2.3	
7	B	-0.5	-8.7	-0.2	-4.8	-1.8	-2.3	0.0	2.2	0.1	0.0	
7	D	0.0	-6.5	0.0	-3.8	0.0	2.3	1.8	-2.3	0.1	0.0	
7	F	-0.5	-7.7	-0.2	-4.3	-1.8	-2.2	0.0	2.0	0.0	0.1	
7	H	0.0	-3.1	0.0	-1.8	0.0	2.2	0.8	-2.1	0.0	0.0	
7	I	0.0	-3.1	0.0	-1.8	0.0	0.0	0.0	0.0	0.0	0.0	
Frm	Col	E2PAT_SL_2-	E2PAT_SL_3-	E2PAT_SL_4-	E2PAT_SL_5-	E2PAT_SL_6-						
Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Vert	Vert	
7	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
7	B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	
7	D	0.0	0.1	0.0	2.4	0.0	5.7	0.0	2.4	0.0	-0.3	
7	F	0.0	-0.5	0.0	-0.3	0.0	2.4	0.0	5.7	0.0	2.4	
7	H	0.0	3.1	0.0	0.1	0.0	-0.3	0.0	2.3	0.0	5.9	
7	I	0.0	2.3	0.0	0.0	0.0	0.1	0.0	-0.2	0.0	2.0	
Frm	Col	Column_Reactions(k)										
Line	Line	Load_Id	Hmax	V	Load_Id	Hmin	H	V	Bolt(in)	Base_Plate(in)	Grout	
1	I	1	29.3	46.7	2	-9.3	-12.1	6	0.750	6.000	14.75	
2*	A	3	6.1	-7.3	1	-29.3	46.9	6	0.750	6.000	14.88	
2*												
Frm	Col	Frame_lines:	2	6								
RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES												
Frm	Col	Line	Load_Id	Hmax	V	Vmax	Load_Id	Hmin	V	Bolt(in)	Base_Plate(in)	Grout
2*	I	1	29.3	46.7	2	-9.3	-12.1	6	0.750	6.000	14.75	0.375
2*	A	3	6.1	-7.3	1	-29.3	46.9	4	4.2	-11.0		0.0
2*												
Frm	Col	Frame_lines:	3	4	5							
RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES												
Frm	Col	Line	Load_Id	Hmax	V	Vmax	Load_Id	Hmin	V	Bolt(in)	Base_Plate(in)	Grout
3*	I	1	29.8	49.7	2	-8.5	-11.1	6	0.750	8.000	16.75	0.375
3*	A	3	5.5	-6.9	1	-29.8	50.1	4	4.5	-11.2		0.0
3*												
Frm	Col	Frame_lines:	3	4	5							
RIGID FRAME: BASIC COLUMN REACTIONS (k)												
Frame	Column	Dead	Collateral	Collateral	Live	Live	Snow	Snow	Wind_Left1	Wind_Left1	Wind_Left1	Wind_Left1
2*	I	3.0	5.5	1.6	1.8	14.1	22.5	39.3	-18.4	-25.8	-30.0	-12.1
2*	A	-3.0	5.7	-1.6	1.8	-14.1	22.5	-24.7	39.4	10.0	-21.1	13.2
Frame	Column	Wind_Left2	Wind_Left2	Wind_Left2	Wind_Left2	Wind_Left2	Wind_Left2	Wind_Left2	Seismic_Right	Seismic_Right	Seismic_Right	Seismic_Right
2*	I	-15.1	-18.4	0.6	-4.7	-9.6	-4.7	-5.1	-15.1	-2.4	-1.1	2.0
2*	A	6										

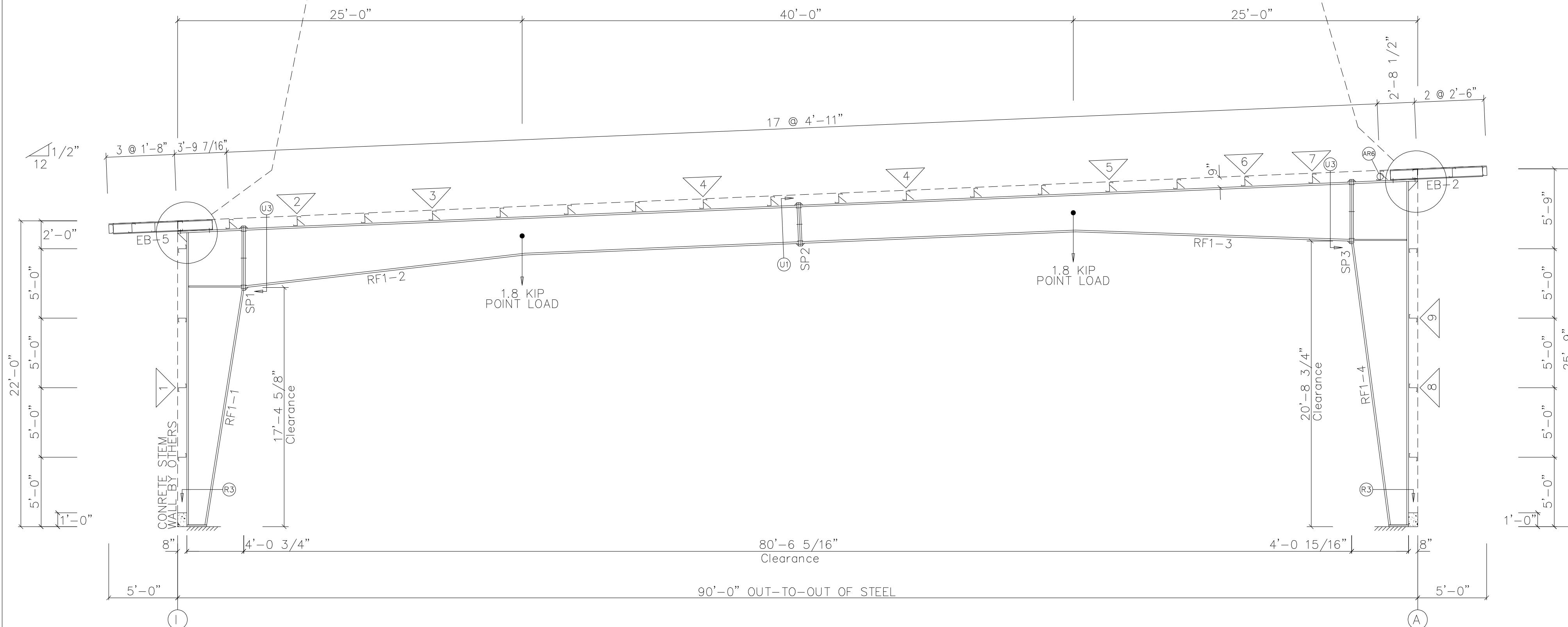
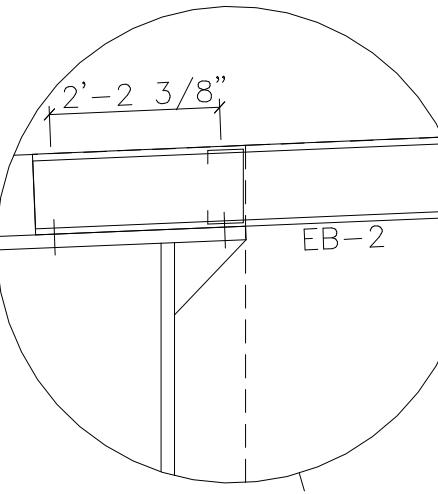
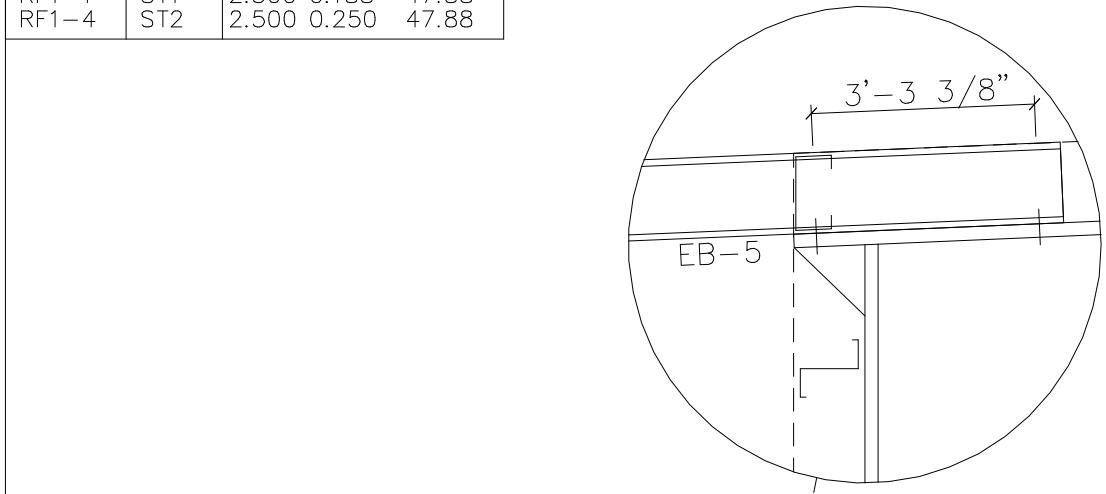
SPLICE PLATE & BOLT TABLE						
Mark	Qty	Top Bot	Int	Type	Dia	Length
SP1	4	4	2	A325	1.000	2.63
SP2	4	4	2	A325	1.000	2.63
SP3	4	4	2	A325	1.000	3.13

FLANGE BRACE TABLE
FRAME LINE 2-6

VID	#	MARK	LENGTH	PART
1	1	FB5	4'-2 1/8"	L2x2x12G
2	2	FB15	5'-6 1/8"	L2x2x16G
3	1	FB7	4'-3 1/2"	L2x2x16G
4	1	FB2	3'-11 5/8"	L2x2x14G
5	1	FB4	4'-1 1/8"	L2x2x16G
6	2	FB12	5'-3 7/8"	L2x2x14G
7	2	FB16	5'-7"	L2x2x12G
8	2	FB3	3'-11 7/8"	L2x2x14G
9	2	FB9	4'-5 7/8"	L2x2x12G

STIFFENER TABLE

Mark	Stiff Mark	Plate Size
		Width Thick Length
RF1-1	ST1	2.500 0.188 47.88
RF1-4	ST2	2.500 0.250 47.88



BUILDING CROSS SECTION: FRAME LINE 2-6



MBMA MEMBER



RIGID FRAME ELEVATION
FIT 1
3535 E AVALANCHE ST
IDAHO FALLS, ID 83401
GYMNASIUM

SPLICE PLATE & BOLT TABLE										
Mark	Qty		Bot	Int	Type	Dia	Length	Width	Thick	Length
	Top	Bottom								
SP1	4	4	2	A325	1.000	3.13	8"	3/4"	4'-4"	
SP2	4	4	2	A325	1.000	2.63	8"	5/8"	3'-1 7/8"	
SP3	4	4	2	A325	1.250	3.13	8"	3/4"	4'-6"	

FLANGE BRACE TABLE				
FRAME LINE 3 4 5				
VID	# SIDES	MARK	LENGTH	PART
1	2	FB10	4'-6 3/4"	L2x2x12G
2	2	FB11	5'-3 3/4"	L2x2x14G
3	1	FB1	3'-11 1/2"	L2x2x12G
4	1	FB6	4'-3 1/4"	L2x2x14G
5	2	FB13	5'-4 3/8"	L2x2x12G
6	2	FB8	4'-3 7/8"	L2x2x12G
7	2	FB14	5'-5 1/8"	L2x2x12G

STIFFENER TABLE				
Mark	Stiff Mark	Plate Width	Size Thick	Length
RF2-1	ST1	4.000	0.313	43.88
RF2-4	ST2	4.000	0.313	43.88

MEMBER TABLE						
Mark	Web Depth	Web Thick	Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length	
	Start/End					
RF2-1	16.0/19.2	0.250	24.0	8 x 5/16" x 254.6	8 x 3/8" x 109.0	
	19.2/44.0	0.250	232.5	8 x 5/16" x 52.3	8 x 1/2" x 101.2	
RF2-2	44.0/30.0	0.250	239.5	8 x 5/16" x 225.7	8 x 1/2" x 131.7	
	30.0/30.0	0.188	239.6	8 x 3/8" x 251.6	8 x 3/8" x 108.2	
RF2-3	30.0/30.0	0.188	239.2	8 x 3/8" x 251.2	8 x 5/16" x 239.6	
	30.0/42.8	0.250	231.5	8 x 5/16" x 243.5	8 x 5/16" x 239.2	
RF2-4	42.8/44.0	0.250	24.0		8 x 3/8" x 108.2	
	44.0/43.1	0.313	59.0	8 x 3/8" x 52.3	8 x 1/2" x 145.9	
EB-2	43.1/16.0	0.250	240.0	8 x 5/16" x 299.0	8 x 1/2" x 249.5	
	09B14					
EB-5	09B14					



BUILDING SYSTEMS INC.



MEMBER

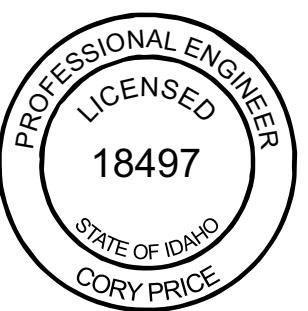


'ATION

KILO
FIT 1
3535
IDAHO
GYMN

REVISIONS

EV	DATE:	DE
1		
2		
3		
4		
5		

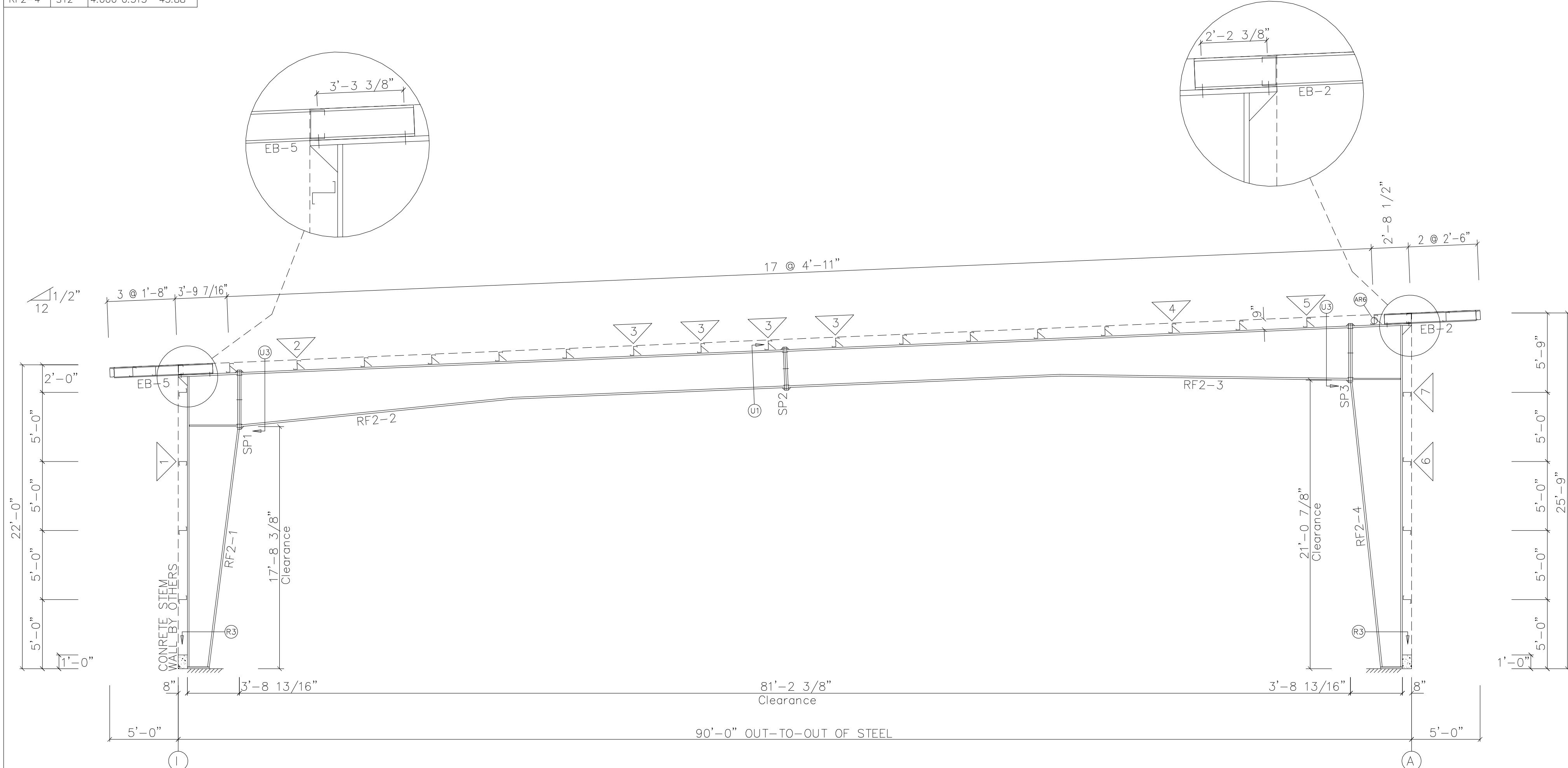


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SHEET 4 OF 13 REV 0

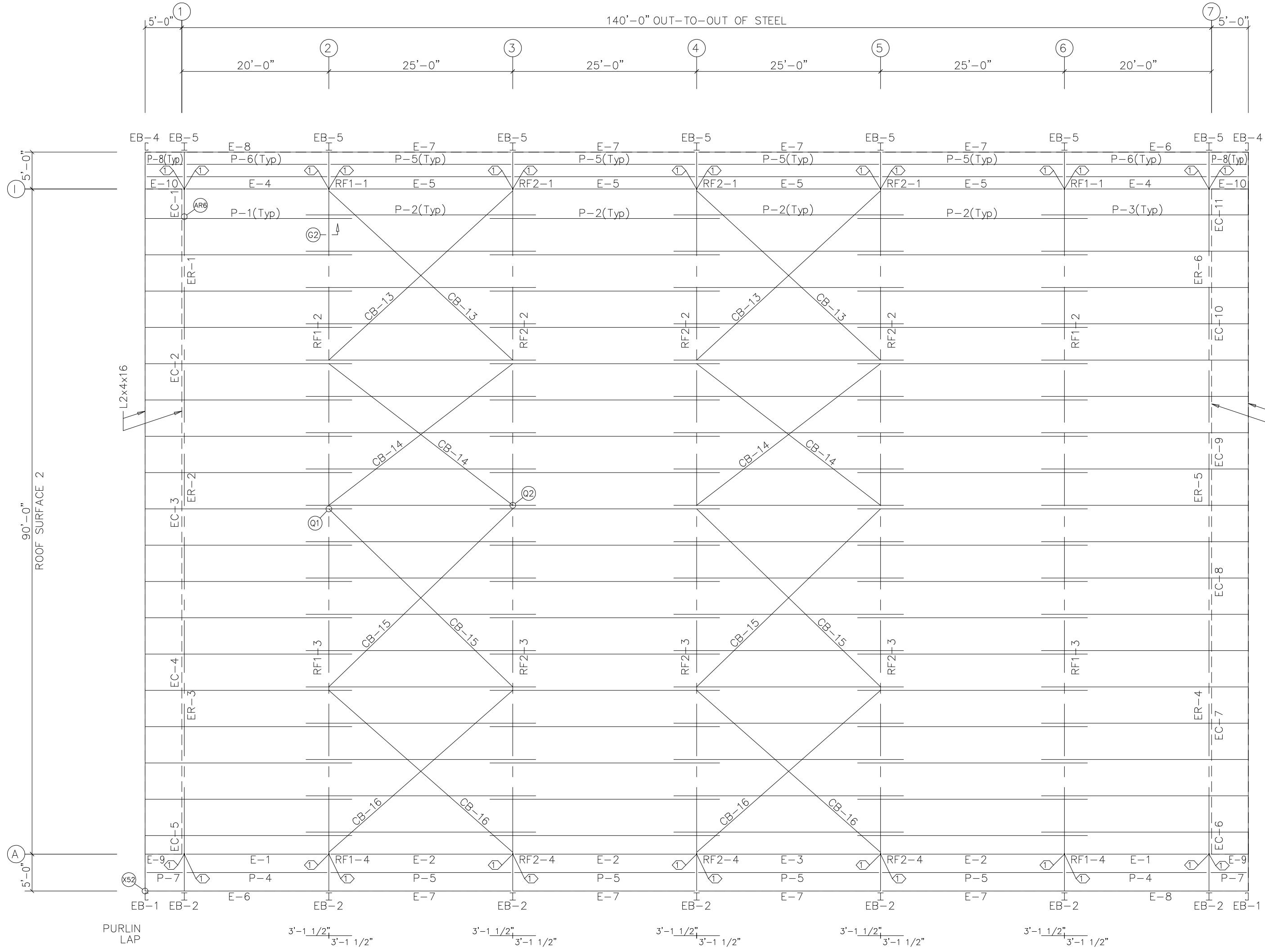
4 15 0



BUILDING CROSS SECTION: FRAME LINE 3 4 5

GENERAL NOTES:

- STANDARD CONNECTION FOR ALL ROOF PURLINS TO FRAMES ARE 2 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.
- SEE DETAILS S49, S50, S51, S52, AND S53 BEFORE INSTALLATION OF ROOF PANELS
- SEAL ALL TRIM LAPS AS NECESSARY TO INSURE WEATHERTIGHTNESS.
- IT IS THE RESPONSIBILITY OF THE ERECTOR TO MAINTAIN PANEL MODULE WIDTH.



ROOF FRAMING PLAN

EXTENSION/CANOPY BOLTS
ROOF PLAN

MARK	QUAN	TYPE	DIA	LENGTH
EB-2	4	A325	5/8"	1 1/2"
EB-5	4	A325	5/8"	1 1/2"

MEMBER TABLE
ROOF PLAN

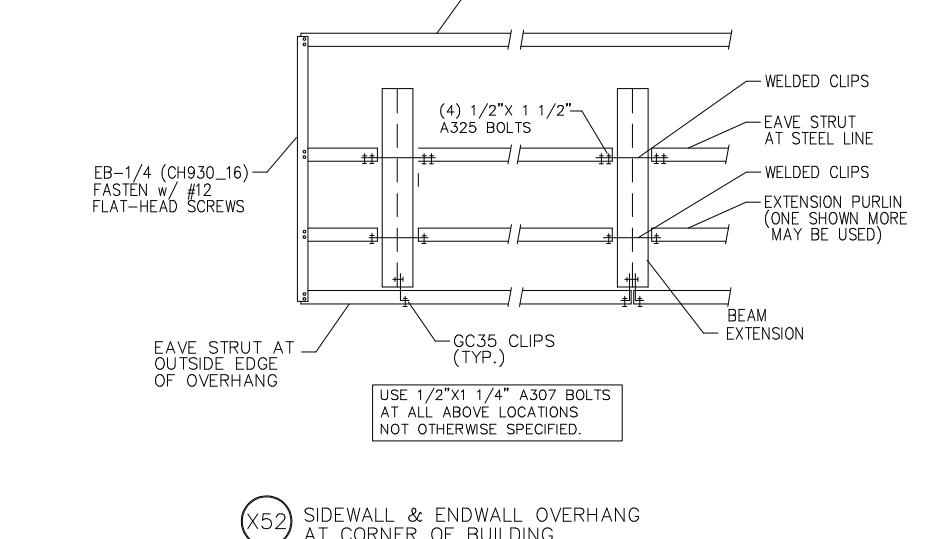
QUAN	MARK	PART	LENGTH
2	EB-1	CH930_16	8'-0"
7	EB-2	09B14	7'-1 13/16"
2	EB-4	CH930_16	9'-0"
7	EB-5	09B14	8'-2 1/16"
18	P-1	Z925_16	28'-1 1/2"
72	P-2	Z925_14	31'-3"
18	P-3	Z925_16	28'-1 1/2"
2	P-4	Z925_16	19'-0 1/2"
12	P-5	Z925_12	24'-4 1/2"
4	P-6	Z925_14	19'-0 1/2"
2	P-7	Z925_16	5'-0"
4	P-8	Z925_14	5'-0"
2	E-1	05H09_12	19'-0 1/2"
3	E-2	05H09_12	24'-4 1/2"
1	E-3	05H09_12	24'-4 1/2"
2	E-4	05E09_12	19'-0 1/2"
4	E-5	05E09_12	24'-4 1/2"
2	E-6	c925_16	24'-11 1/2"
8	E-7	c925_14	24'-11 3/8"
2	E-8	c925_16	24'-11 1/2"
2	E-9	05H09_12	5'-0"
2	E-10	05E09_12	5'-0"
4	CB-13	0.44_CBL	31'-5 1/2"
4	CB-14	0.44_CBL	29'-5"
4	CB-15	0.44_CBL	32'-7"
4	CB-16	0.44_CBL	30'-9 1/4"

SPECIAL BOLTS
ROOF PLAN

ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A325	1/2"	1 1/2"	2

ROOF SHEETING
SOFFIT PANELS

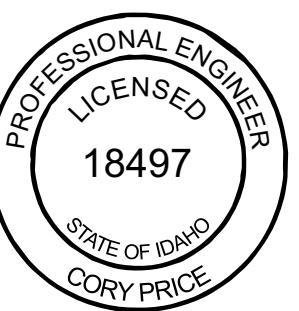
PANELS: 26 Ga. PBR PANELS: BY OTHERS
Galvalume



GYMNASIUM
FIT 1
3535 E AVALANCHE ST
IDAHO FALLS, ID 83401

REVISIONS

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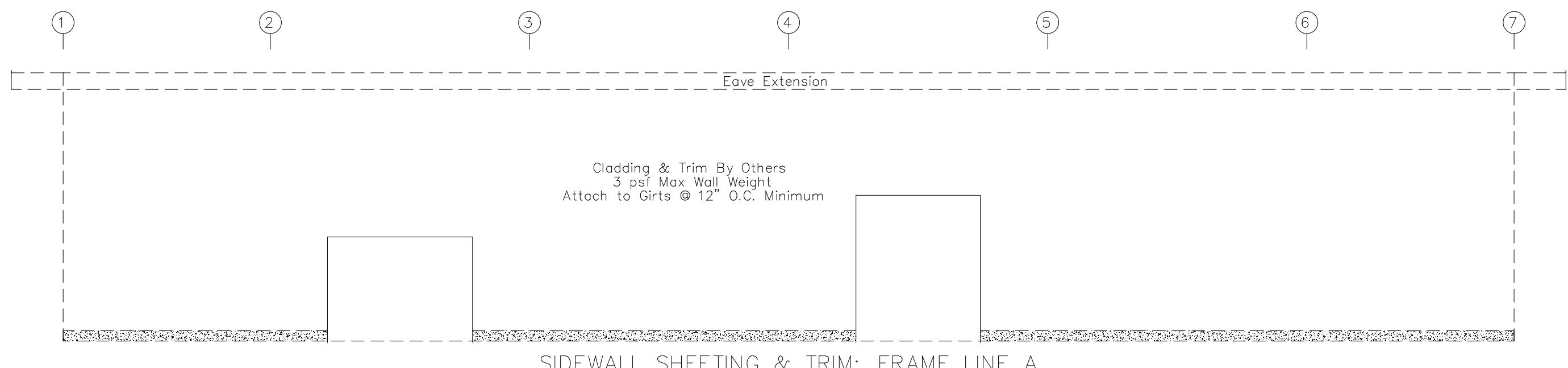
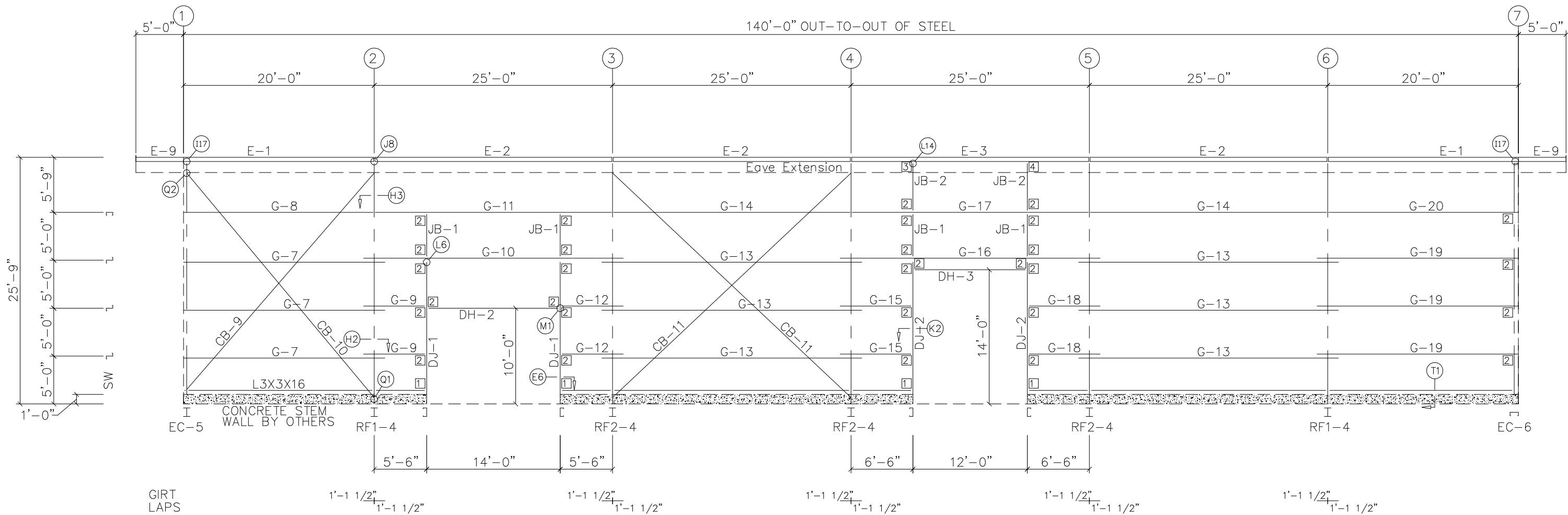
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JOB # 25023360

SHEET 5 OF 13 REV 0

GENERAL NOTES:

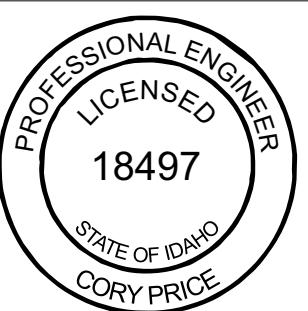
CO BUILDING SYSTEMS RECOMMENDS THAT AT LEAST ONE BRACED BAY BE INSTALLED PRIOR TO OTHER FRAME LINES. THIS INCLUDES EAVE STRUTS, PURLIN STRUTS, WIND BENTS, AND BRACE CABLE/ROD OVER THE COMPLETE BAY. FAILURE TO DO SO MAY RESULT IN SERIOUS DAMAGE TO THE STRUCTURE AND/OR BODILY INJURY.

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
DJ-1	c825_16	13'-8"
DJ-2	c825_16	13'-8"
DH-2	c825_16	14'-0"
DH-3	c825_16	12'-0"
E-1	05H09_12	19'-0 1/2"
E-2	05H09_12	24'-4 1/2"
E-3	05H09_12	24'-4 1/2"
E-9	05H09_12	5'-0"
G-7	Z825_16	21'-1 1/2"
G-8	Z825_16	19'-11 3/4"
G-9	Z825_16	6'-3 3/4"
G-10	Z825_16	27'-3"
G-11	c825_12	24'-11 1/2"
G-12	Z825_16	6'-3 3/4"
G-13	Z825_16	27'-3"
G-14	c825_12	24'-11 1/2"
G-15	Z825_16	7'-3 3/4"
G-16	Z825_16	27'-3"
G-17	c825_12	24'-11 1/2"
G-18	Z825_16	7'-3 3/4"
G-19	Z825_16	21'-1 1/2"
G-20	c825_16	19'-11 3/4"
CB-9	0.50_CBL	28'-4 3/4"
CB-10	0.50_CBL	28'-5 1/2"
CB-11	0.50_CBL	32'-6 3/4"
JB-1	c825_16	4'-4"
JB-2	c825_16	4'-7"



FIT 1
3535 E AVALANCHE ST
IDAHO FALLS, ID 83401
GYMNASIUM

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JOB # 25023360
SHEET 6 OF 13 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.

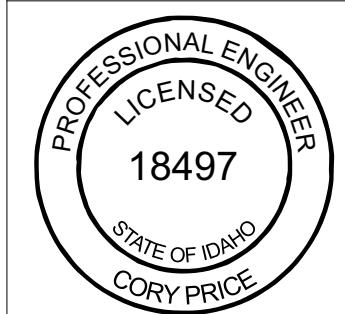
TRIM TABLE
FRAME LINE I

◊ ID	MARK	COLOR	SENT LENGTH	FIELD-CUT LENGTH	DETAIL
1	811	Black	19'-2"	19'-2"	T62
2	962	Black	20'-6"	20'-6"	T62
3	821	Black	4"	4"	TRIM_100
4	831	Black	4"	4"	TRIM_100

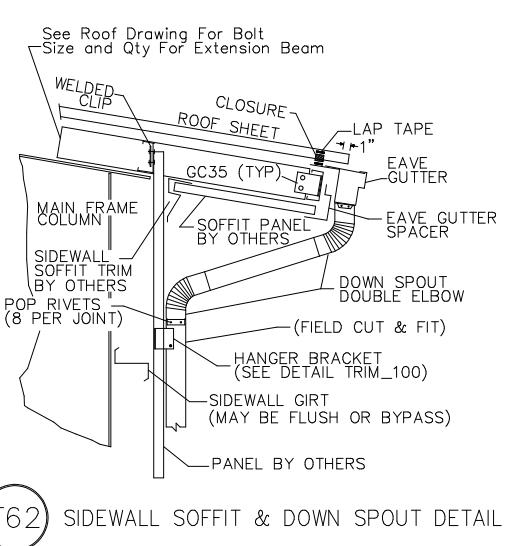
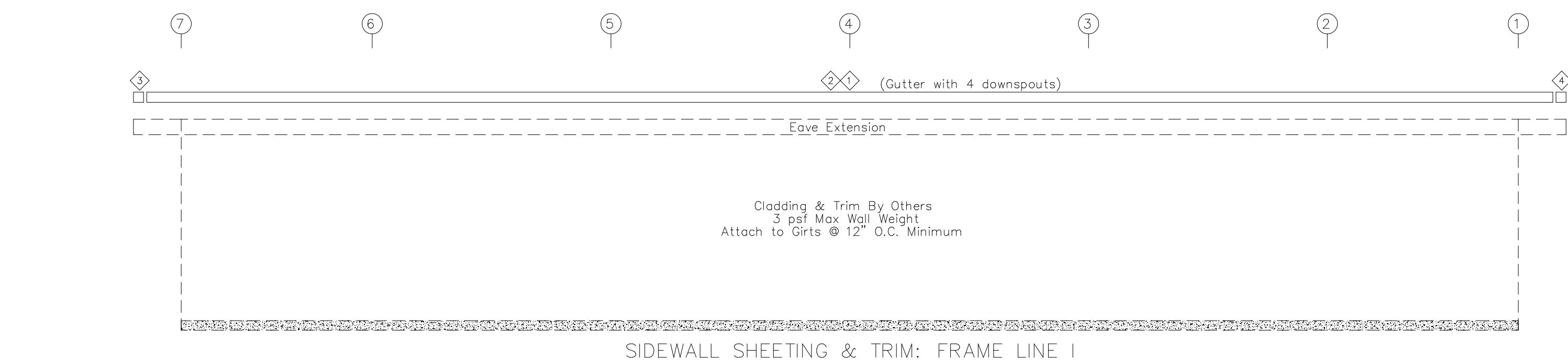
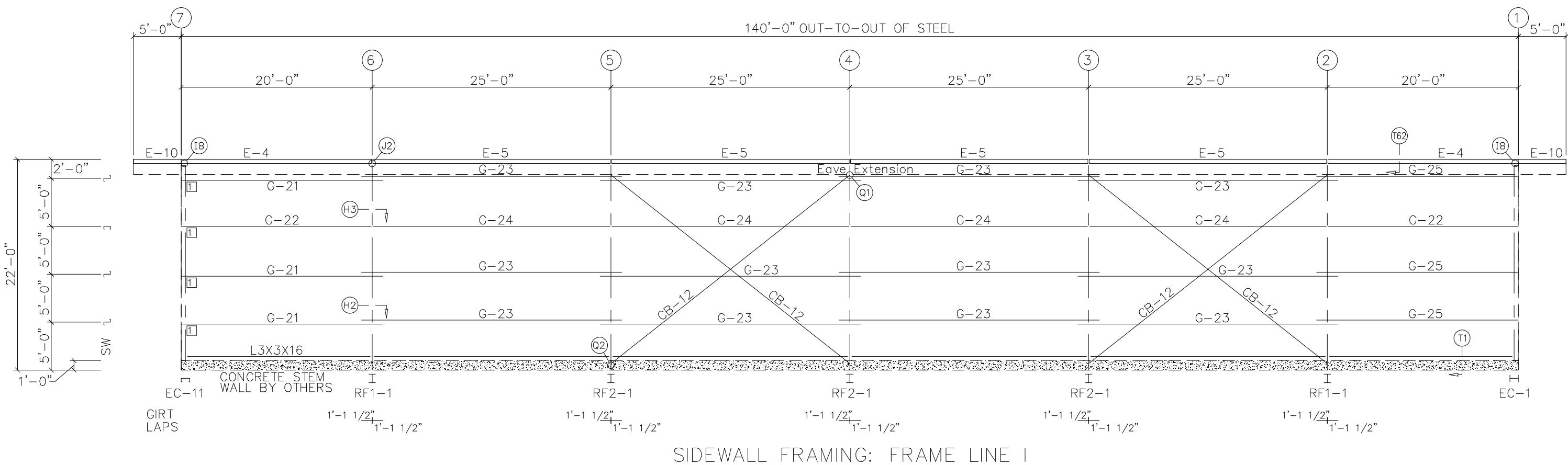


SIDEWALL FRAMING
FIT 1
3535 E AVALANCHE ST
IDAHO FALLS, ID 83401
GYMNASIUM

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DATE: 3 / 4 / 25
JOB # 25023360
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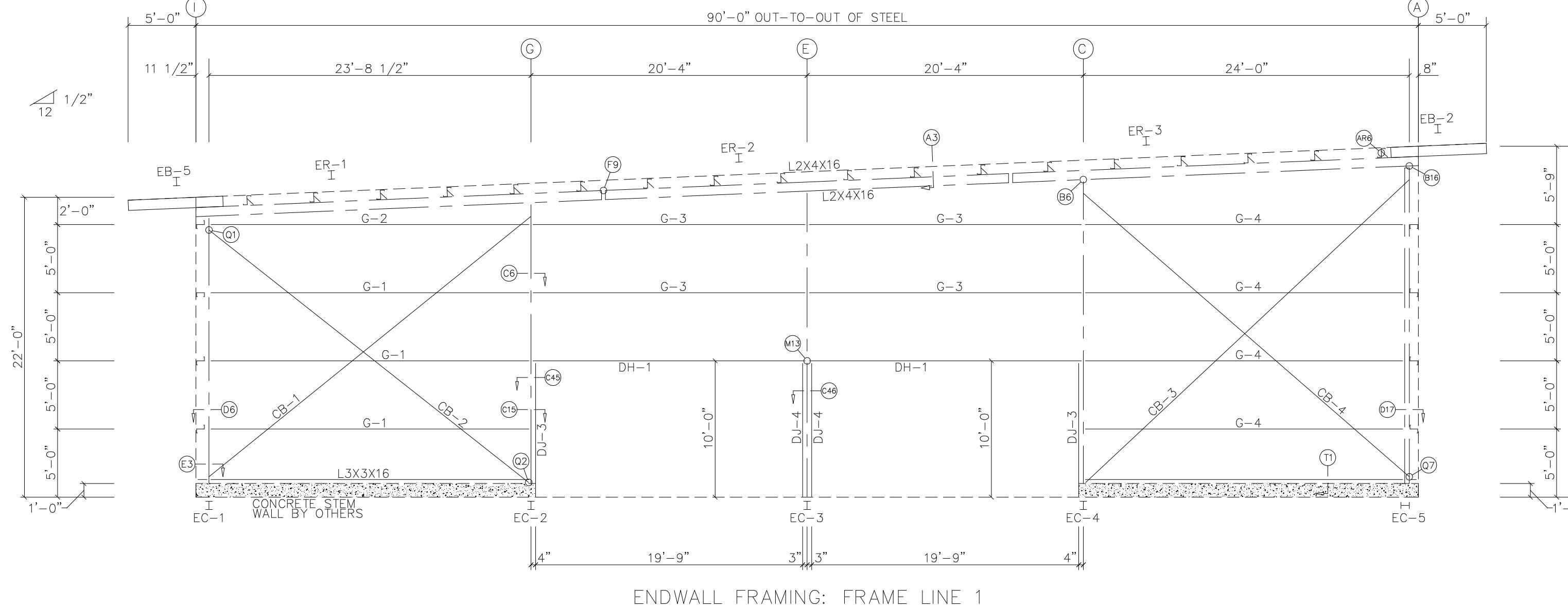
BUILDING
SYSTEMS
INC.

MBMA
METAL BUILDING MANUFACTURERS ASSOCIATION

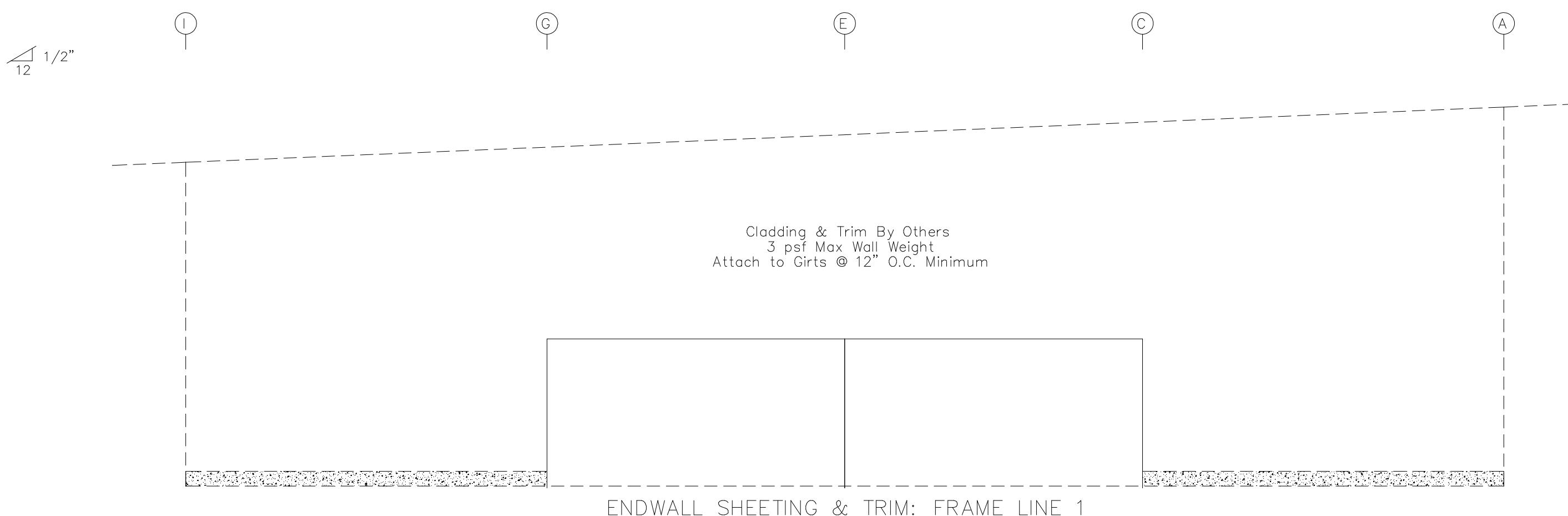
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ACCREDITED
Metal Building Systems
AC 472

BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325	5/8"	2"
ER-2/ER-3	8	A325	5/8"	2"
EC-1/ER-1	4	A325	1/2"	1 1/4"
Int_Column/Raf	4	A325	1/2"	1 1/4"
EC-5/ER-3	4	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE 1		
MARK	PART	LENGTH
EB-2	09B14	7'-1 13/16"
EB-5	09B14	8'-2 1/16"
EC-1	08B12	19'-6 3/16"
EC-2	08B12	20'-6 1/16"
EC-3	08B12	22'-4 1/4"
EC-4	08B12	22'-2 3/8"
EC-5	08B12	23'-2 5/8"
ER-1	09B12	30'-0 3/8"
ER-2	09B12	30'-0"
ER-3	09B12	30'-0 9/16"
DH-1	c825_16	19'-8 1/2"
DJ-3	CH830_16	9'-0"
DJ-4	CH830_16	10'-0"
G-1	z825_12	23'-1"
G-2	z825_14	23'-1"
G-3	z825_16	19'-8 1/2"
G-4	z825_12	23'-0"
CB-1	0.25_CBL	29'-2 1/2"
CB-2	0.25_CBL	28'-7"
CB-3	0.25_CBL	30'-6 1/4"
CB-4	0.25_CBL	29'-9"



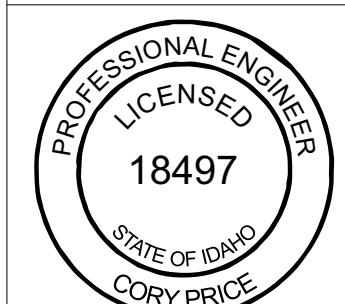
ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

ENDWALL FRAMING	FIT 1
3535 E AVALANCHE ST	IDAHO FALLS, ID 83401
GYMNASIUM	

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JOB # 25023360

SHEET 8 OF 13 REV 0

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METAL BUILDING MANUFACTURERS ASSOCIATION
MEMBER



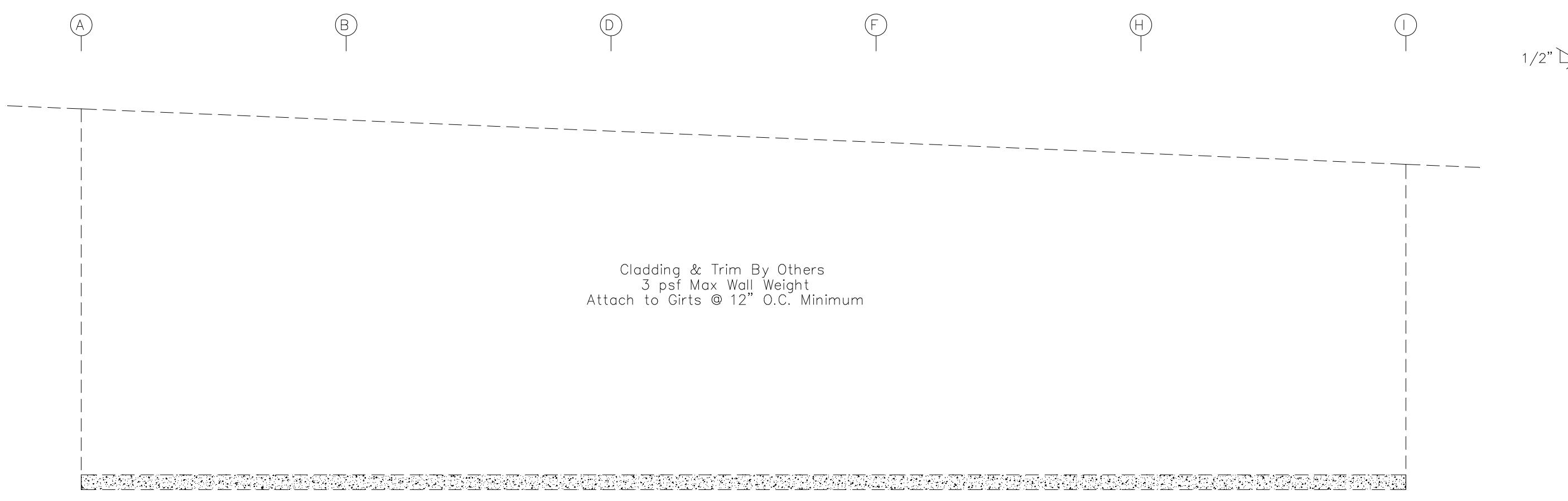
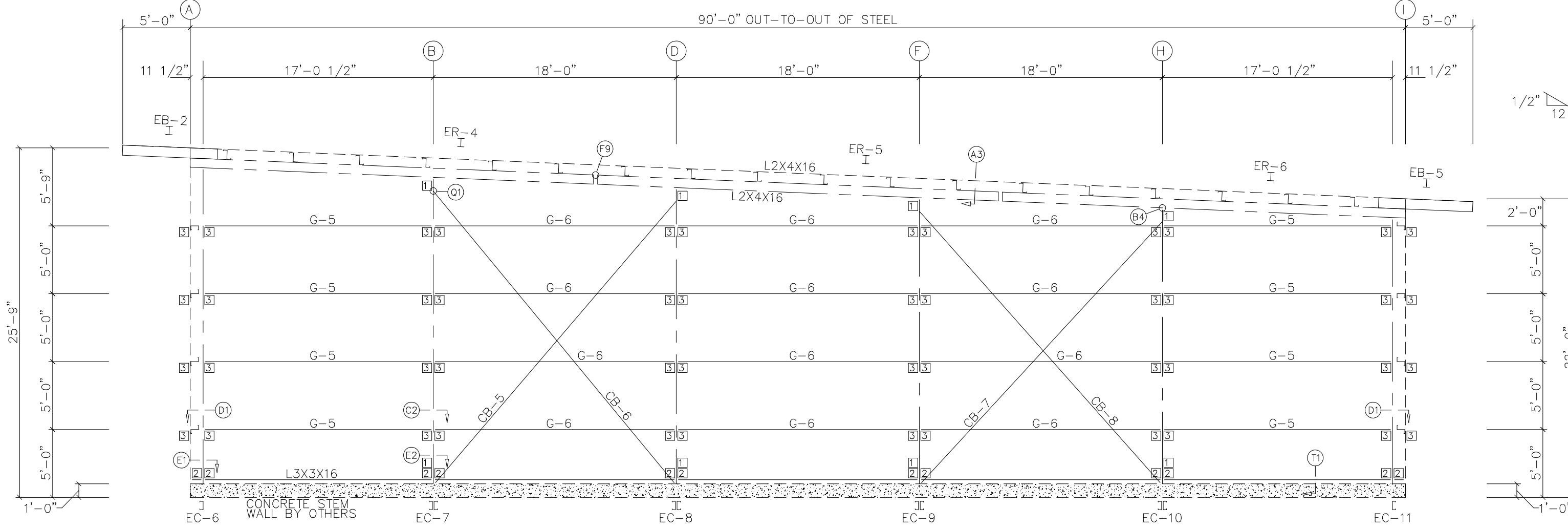
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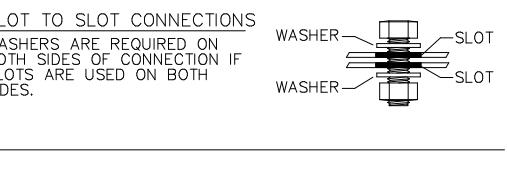
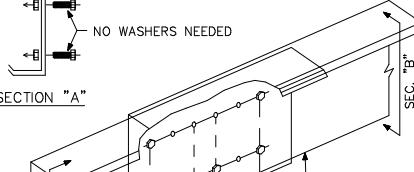
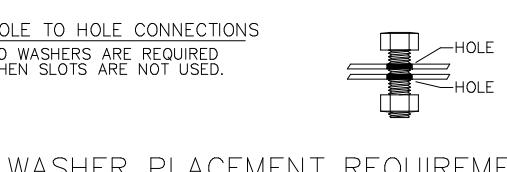
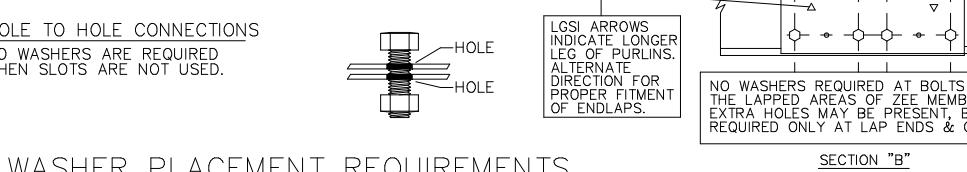
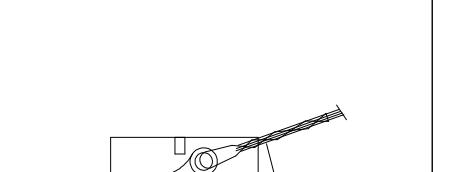
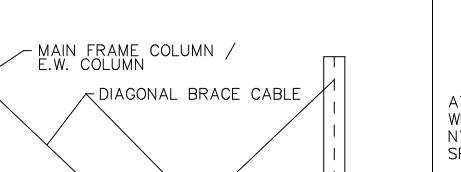
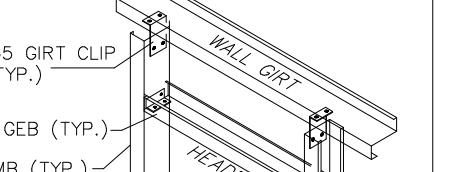
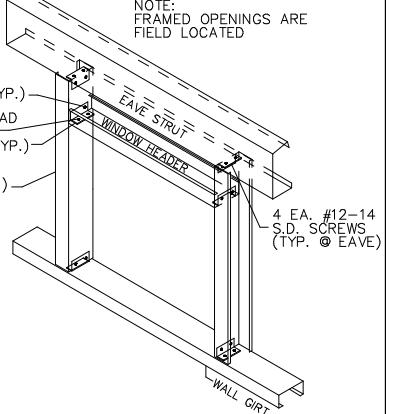
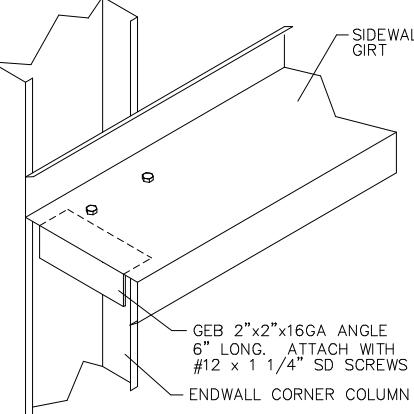
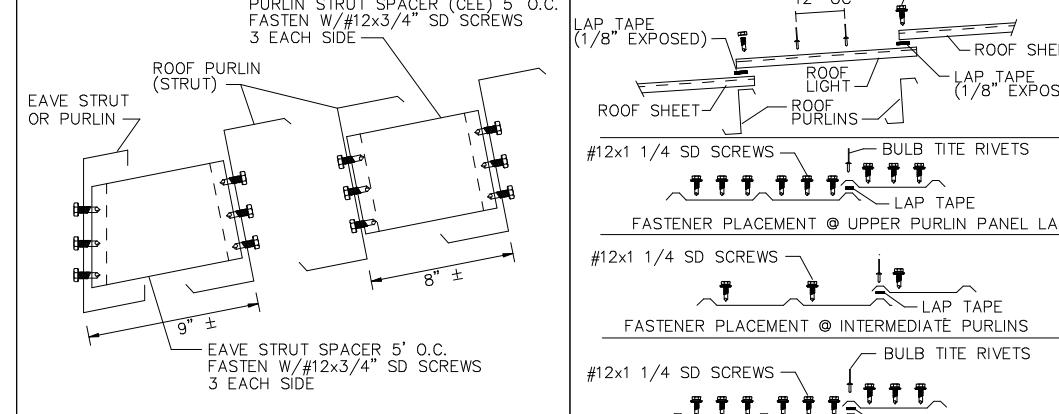
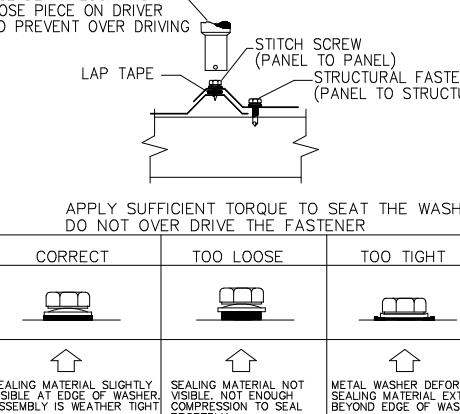
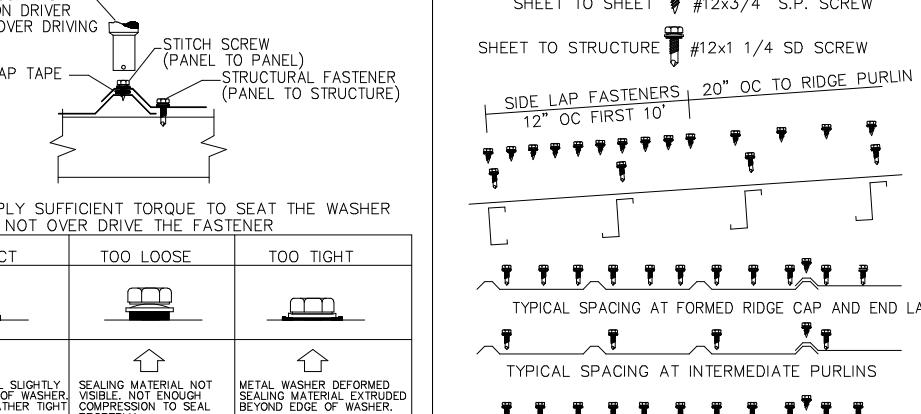
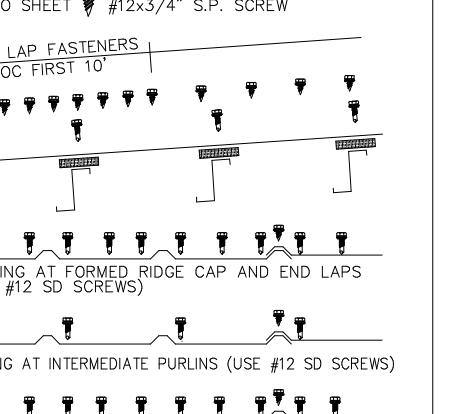
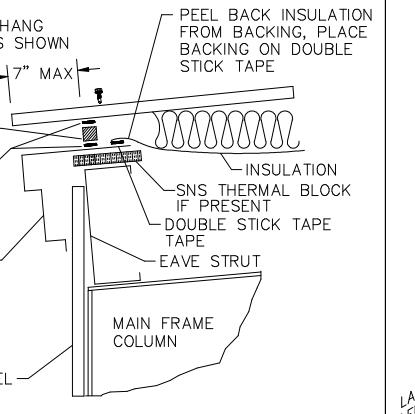
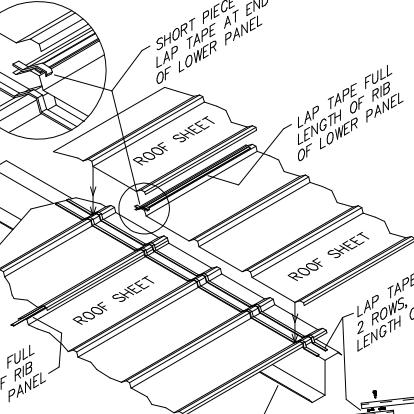
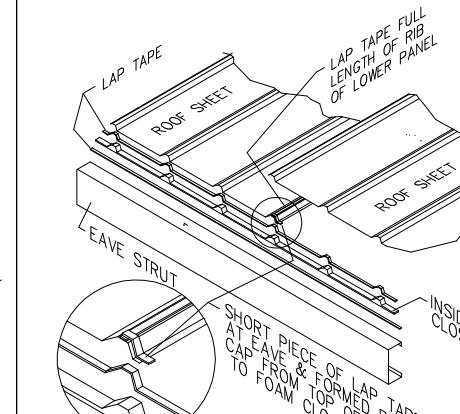
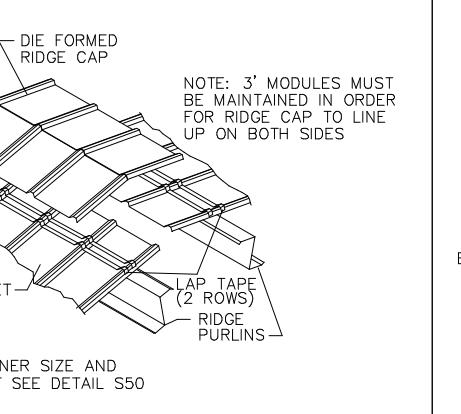
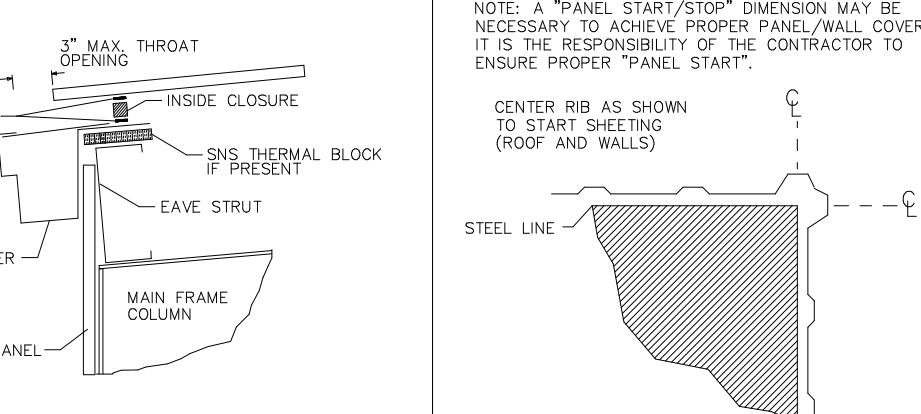
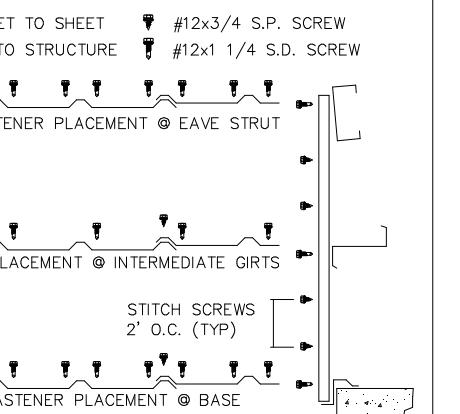
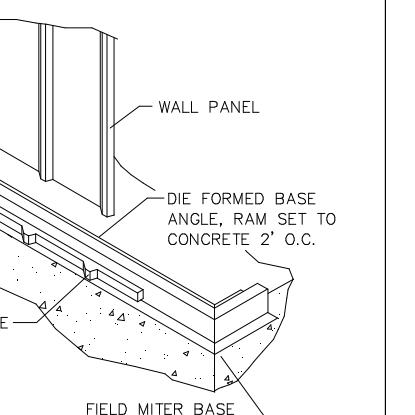
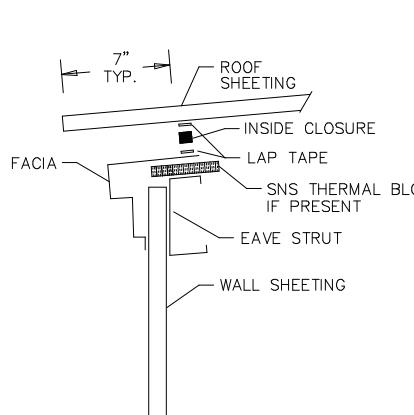
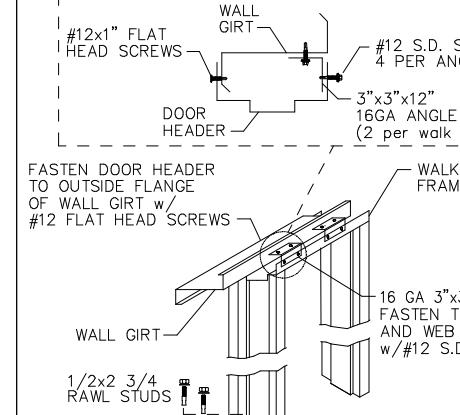
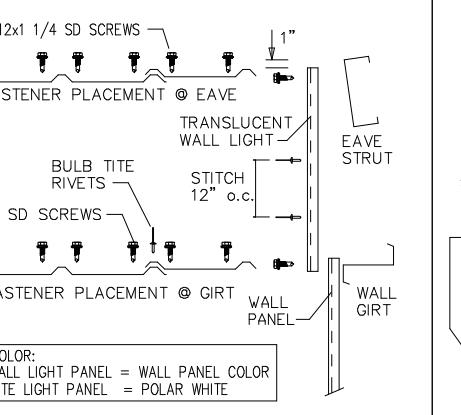
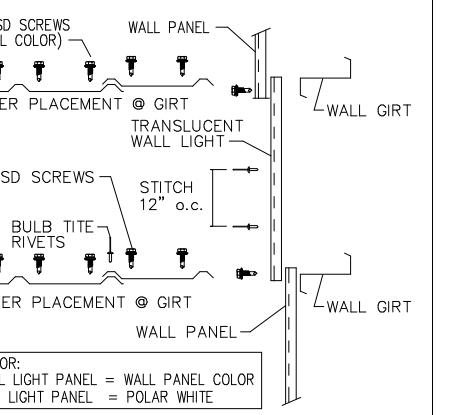
BOLT TABLE FRAME LINE 7				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-4/ER-5	8	A325	5/8"	2"
ER-5/ER-6	8	A325	5/8"	2"
Columns/Raf	4	A325	1/2"	1 1/4"

MEMBER TABLE FRAME LINE 7		
MARK	PART	LENGTH
EB-2	09B14	7'-1 13/16"
EB-5	09B14	8'-2 1/16"
EC-6	c835_12	23'-2 1/4"
EC-7	c825D12	22'-5 3/4"
EC-8	c825D12	21'-8 3/4"
EC-9	c825D12	20'-11 3/4"
EC-10	c825D12	20'-2 3/4"
EC-11	c825_12	19'-6 3/16"
ER-4	09B12	30'-0 9/16"
ER-5	09B12	30'-0"
ER-6	09B12	30'-0 3/8"
G-5	z825_16	16'-8 1/2"
G-6	z825_16	17'-4 1/2"
CB-5	0.25_CBL	25'-10 1/2"
CB-6	0.25_CBL	26'-5 3/4"
CB-7	0.25_CBL	24'-9"
CB-8	0.25_CBL	25'-3 3/4"

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



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JOB # 25023360		
SHEET 9 OF 13 REV 0		

<p>THE FOLLOWING DETAILS ARE INTENDED TO ILLUSTRATE DIFFERENT ASSEMBLY CONNECTIONS. NOT ALL DETAILS ARE PERTINENT TO THIS SPECIFIC PROJECT.</p>	<p>SLOT TO SLOT CONNECTIONS WASHERS ARE REQUIRED ON BOTH SIDES OF CONNECTION IF SLOTS ARE USED ON BOTH SIDES.  SLOT TO HOLE CONNECTIONS ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.  HOLE TO HOLE CONNECTIONS NO WASHERS ARE REQUIRED WHEN SLOTS ARE NOT USED. </p>	<p>SECTION "A"  SECTION "B" </p>	<p>BC1 BRACE CABLE TO CONCRETE  ELEVATION</p>	<p>BC1 CABLE BRACING THRU FLUSH GIRT  ELEVATION</p>	<p>C02 CO NAME PLATE  ELEVATION</p>	<p>F51 TYPE 2 WINDOW OR LOUVER FRAME  ELEVATION</p>																						
<p>F52 TYPE 2 WINDOW OR LOUVER FRAME  GEB GIRT END BRIDGE </p>	<p>PSS PURFLIN STRUT SPACER </p>	<p>RL1 ROOF LIGHT DETAIL </p>	<p>S49 FASTENER INSTALLATION </p>	<p>S50 ROOF FASTENER PLACEMENTS </p>																								
<p>S51 ROOF SHEETING AT EAVE </p>	<p>S52 ROOF SHEETING LAP  SNS THERMAL BLOCK BLOCK IF PRESENT</p>	<p>S53 ROOF SHEET SIDE LAP </p>	<p>S54 RIDGE CAP TO RIDGE </p>	<p>S55 ROOF SHEETING AT EAVE WITH CUTTER </p>	<p>S60 SHEETING @ BUILDING CORNER </p>																							
<p>S62 WALL PANEL AT BASE </p>	<p>T55 LOW SIDE EAVE TRIM </p>	<p>WD WALK DOOR TO GIRT </p>	<p>WL1 WALL LIGHT DETAIL (EAVE TO TOP GIRT) </p>	<p>WL2 WALL LIGHT DETAIL (GIRT TO GIRT)  ZQ1 BRACE CABLE LEGEND <table border="1"><thead><tr><th>CABLE SIZE</th><th>EYE BOLT DIAMETER</th><th>BRACE EYE SIZE/PART #</th><th>COLOR CODE</th></tr></thead><tbody><tr><td>1/4"</td><td>1/2"</td><td>3/4" 60110</td><td>YELLOW</td></tr><tr><td>5/16"</td><td>5/8"</td><td>3/4" 60110</td><td>BLACK</td></tr><tr><td>3/8"</td><td>3/4"</td><td>1 1/8" 60112</td><td>ORANGE</td></tr><tr><td>7/16"</td><td>3/4"</td><td>1 1/8" 60112</td><td>GREEN</td></tr><tr><td>1/2"</td><td>7/8"</td><td>1 1/8" 60112</td><td>BLUE</td></tr></tbody></table> </p>	CABLE SIZE	EYE BOLT DIAMETER	BRACE EYE SIZE/PART #	COLOR CODE	1/4"	1/2"	3/4" 60110	YELLOW	5/16"	5/8"	3/4" 60110	BLACK	3/8"	3/4"	1 1/8" 60112	ORANGE	7/16"	3/4"	1 1/8" 60112	GREEN	1/2"	7/8"	1 1/8" 60112	BLUE
CABLE SIZE	EYE BOLT DIAMETER	BRACE EYE SIZE/PART #	COLOR CODE																									
1/4"	1/2"	3/4" 60110	YELLOW																									
5/16"	5/8"	3/4" 60110	BLACK																									
3/8"	3/4"	1 1/8" 60112	ORANGE																									
7/16"	3/4"	1 1/8" 60112	GREEN																									
1/2"	7/8"	1 1/8" 60112	BLUE																									
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>REV DATE:</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>△</td> <td></td> </tr> </tbody> </table>	REV DATE:	DESCRIPTION	△		△		△		△		△		△		<p>DESIGN: WP DRAFT: WP CHECK: DATE: 3 / 4 / 25</p>	<p>PROFESSIONAL ENGINEER LICENSED STATE OF IDAHO CORY PRICE 18497</p>	<p>JOB # 25023360</p>											
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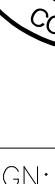


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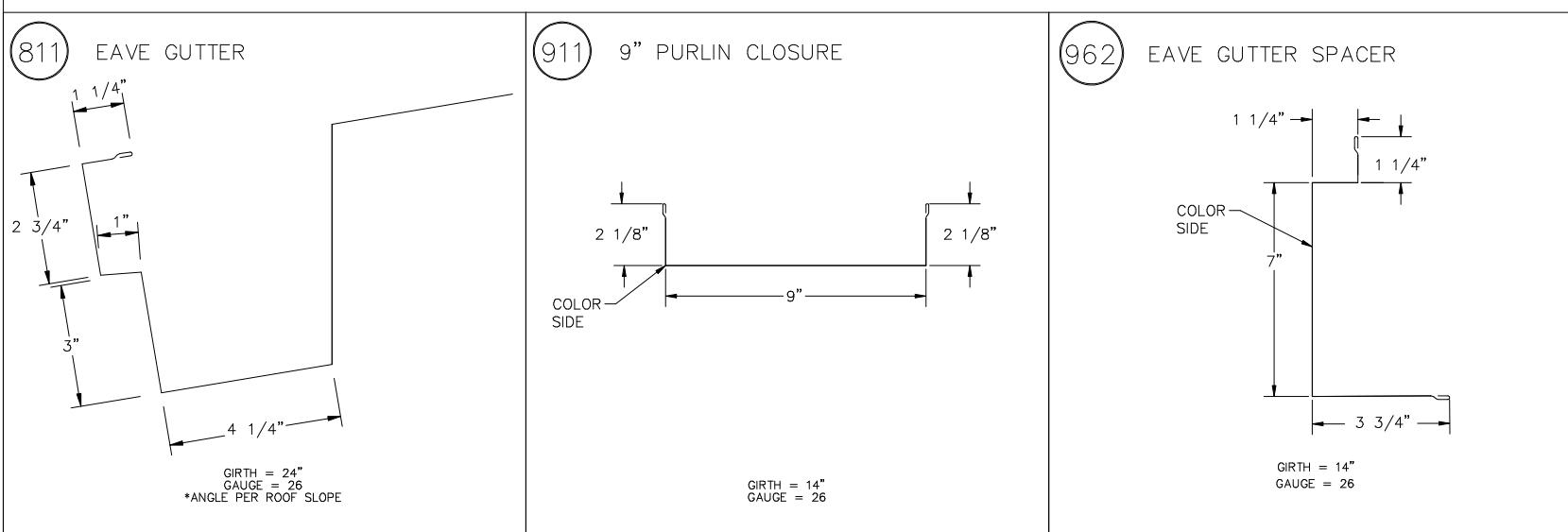
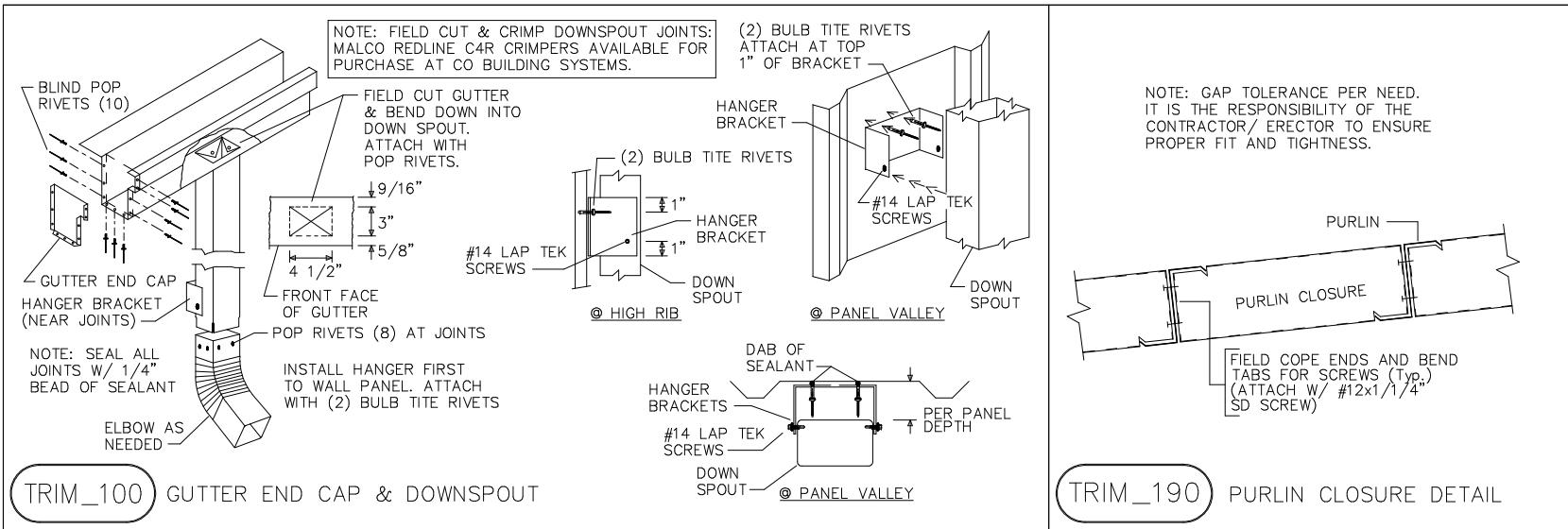


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IDAHO FALLS, ID 83301
GYMNASIUM

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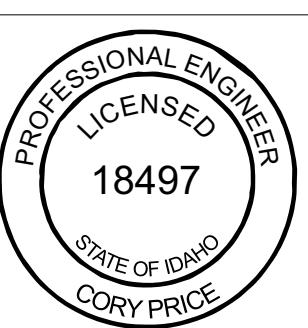
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STATE OF IDAHO
CORY PRICE



DETAIL DRAWINGS

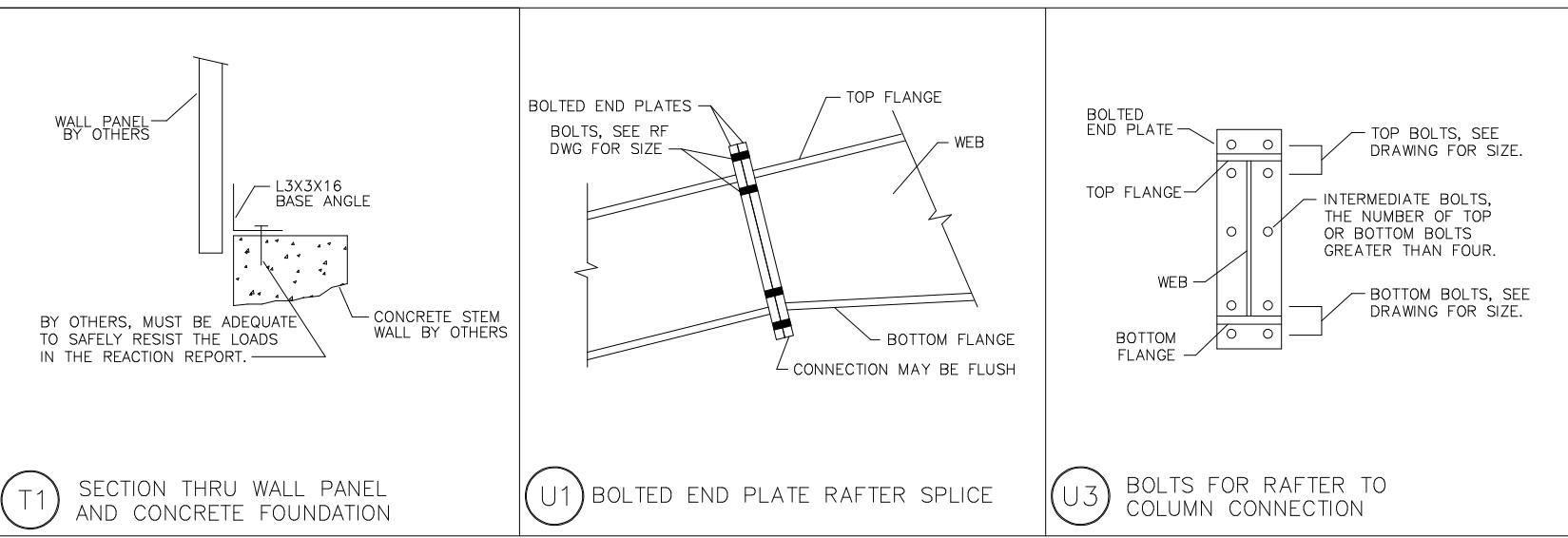
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 A3 VIEW THRU BUI RAFTER @ GABLE	 AR6 PURFLIN TO RAFTER	 B4 ENDWALL RAFTER TO COLUMN	 B6 ENDWALL RAFTER TO COLUMN	 B16 CORNER COLUMN TO ENDWALL RAFTER	 C2 ENDWALL COLUMN TO WALL GIRT	 C6 ENDWALL COLUMN TO WALL GIRT
 C15 ENDWALL COLUMN TO WALL GIRT	 C45 OPEN JAMB CAP TO WELDED ENDWALL COLUMN	 C46 OPEN JAMB CAP TO DOUBLE-CEE ENDWALL COLUMN	 D1 CORNER COLUMN TO WALL GIRT	 D6 CORNER COLUMN TO WALL GIRT	 D17 CORNER COLUMN TO WALL GIRT	 E1 BASE PLATE FOR ENDWALL COLUMN
 E2 BASE PLATE FOR ENDWALL COLUMN OR DOOR JAMB	 E3 BASE PLATE FOR ENDWALL COLUMN	 E6 DOOR JAMB TO FLOOR/TOP OF STEM WALL	 F9 RAFTER SPLICE ALONG SURFACE	 G2 ROOF PURFLIN TO INTERIOR FRAME RAFTER	 H2 WALL GIRT TO FRAME COLUMN	 H3 WALL GIRT TO FRAME COLUMN
 I8 EAVE STRUT TO ENDWALL RAFTER	 I17 EAVE STRUT TO ENDWALL RAFTER	 J2 EAVE STRUT TO RIGID FRAME	 J8 EAVE STRUT TO RIGID FRAME	 K2 WALL GIRT TO DOOR JAMB	 L6 DOOR JAMB TO WALL GIRT	 L14 DOOR JAMB TO EAVE STRUT
 M1 DOOR HEADER TO DOOR JAMB	 M13 DOOR HEADER TO DOOR JAMB	 Q1 DIAGONAL CABLE, BRACE EYE END	 Q2 DIAGONAL CABLE, EYEBOLT END	 Q5 COLD FORMED ENDWALL BRACING	 Q7 BRACE CABLE TO BUI	 R3 ANCHOR BOLTS AT SIDEWALL COLUMN



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