GENERAL NOTES

1. The seal that appears on these drawings is the seal of the engineer for this building manufacturer who is NOT the engineer of record.
2. This building manufacturer is not responsible for errors, omissions or damages incurred in the erection of building components, nor for the inspection of erected components to ascertain same.
3. Temporary bracing must be installed by erector to provide adequate stability during erection. Bracing indicated on the erection drawings is critical to the stability of the completed structure and shall not be removed.
4. Wall and liner panels are an integral part of the structural system. Unauthorized removal of panels is prohibited.
5. "Oil-canning", a perceived waviness inherent to light gauge metal, may exist. This condition does not affect the finish or structural integrity of the panel, and is therefore not a cause for rejection.
6. Trim part marks are as shown: ex. FL-32-242
   - 242 = trim length in inches.
   - FL-32 = trim identification number

APPROVAL NOTES

The following conditions apply in the event that these drawings are used as approval drawings:

A) It is imperative that any changes to these drawings:
   1) Be made in contrasting ink.
   2) Have all instances of change clearly indicated.
   3) Be legible and unambiguous.

B) Dated signature is required on all pages.

C) Manufacturer reserves the right to re-submit drawings with extensive or complex changes required to avoid misfabrications. This may impact the delivery schedule.

D) Approval of these drawings indicates conclusively that the manufacturer has correctly interpreted the contract requirements, and further constitutes agreement that the building as drawn, or as drawn with indicated changes represents the total of the materials to be supplied by manufacturer.

E) Any changes noted on the drawings not in conformance with the terms and requirements of the contract between manufacturer and its customer are not binding on manufacturer unless subsequently specifically acknowledged and agreed to in writing by change order or separate documentation. Manufacturer recognizes that rubber stamps are routinely used in indicating approval, disapproval, rejection, or mere review of the drawings submitted. However, manufacturer does not accept changes or additions to contractual terms and conditions that may appear with the use of a stamp or similar indication of approval, disapproval, etc. Such language applied to the manufacturer's drawings by the customer, architect, engineer, or any other party will be considered as unacceptable alterations to these drawing notes, and will not alter the contractual rights and obligations existing between manufacturer and its customer.

SAFETY COMMITMENT

The building manufacturer has a commitment to manufacture quality building components that can be safely erected, however, the safety commitment and job site practices of the erector are beyond the control of the building manufacturer. It is strongly recommended that safe working conditions and accident prevention practices be the top priority of any job site. Local, state and federal safety and health standards, whether standard statutory or customary, should always be followed to help insure worker safety. Make certain all employees know the safest and most productive way of erecting a building. Emergency procedures should be known to all employees. Daily meetings highlighting safety procedures are also recommended. The use of hard hats, rubber sole shoes for roof work, proper equipment for handling material, and safety nets where applicable, are recommended.

BOLT TIGHTENING

The proper tightening and inspection of all fasteners is the responsibility of the erector. All high strength (A325, A490) bolts and nuts must be tightened by the "turn-of the nut" method unless otherwise specified by the end customer in the contract documents. Inspection of high strength bolt and nut installation by other than the erector must also be specified in the contract documents and the erector is responsible for ensuring that the installation and inspection procedures are compatible prior to the start of erection. (MBMA '96 iv 6.9)

BUILDER/CONTRACTOR RESPONSIBILITIES

It is the responsibility of the builder/contractor to insure that all project plans and specifications comply with the applicable requirements of any governing building authorities. The supplying of sealed engineering data and drawings for the metal building system does not imply or constitute an agreement that the building manufacturer or its design engineer is acting as the engineer of record or design professional for a construction project. The contractor must secure all required approval and permits from the appropriate agency as required. Approval of the manufacturer's drawings and calculations indicate that the building manufacturer correctly interpreted and applied the requirements of the contract drawings and specifications. (sect. 4.2.1 AISC code of standard practices, 9th ed.) Where discrepancies exist between the manufacturer's structural steel plans and the plans for other trades, the structural steel plans shall govern. (sect. 3.3 AISC code of standard practice 9th ed.) Design considerations of any material in the structure which are not furnished by the building manufacturer are the responsibility of the contractors and engineers other than the building manufacturer's engineer unless specifically indicated. The contractor is responsible for all erection of steel and associated work in compliance with the building manufacturer's "for erection installation" drawings. Products shipped to builder or his customer shall be inspected by builder immediately upon arrival. Claims for shortages or defective material, if not packaged, must be made to the manufacturer in writing within five (5) days after receipt of the shipment. However, if a defect is of such nature that reasonable visual inspection would fail to disclose it, then the claim must be made within five (5) days after the builder learns of the defect. The manufacturer will not be liable for any defect unless claim is made one (1) year after date of the original shipment by the manufacturer to builder or his customer. The manufacturer will be given a reasonable opportunity to inspect defective materials upon receipt of claim by builder. If a defect is of such nature that it can be remedied by a field operation at the job site without the necessity of returning the material to the manufacturer, then upon written authorization of the manufacturer, the builder may repair or cause the material to be repaired and the manufacturer will reimburse the builder for the cost of the repair in accordance with the written authorization. Unless noted otherwise, all bracing as shown and provided by the manufacturer for this building is required and shall be installed by the erector as a permanent part of the structure. Temporary supports, such as temporary guys, braces, false work, cribbing or other elements required for the erection operation will be determined and furnished and installed by the erector. These temporary supports will secure the steel framing, or any partly assembled steel framing, against loads comparable in intensity to those for which the structure was designed, resulting from wind, seismic forces and erection operations, but not the loads resulting from the performance of work by or the acts of others, nor such unpredictable loads as those due to tornado, explosion or collision. (sect. 7.9.1 AISC code of standard practice, 9th ed.) Design of gutter and downspout is a function of the rainfall intensity and area to be drained. Design parameters utilized are in accordance with the 2002 low rise building systems manual and/or the 12th edition of the architectural graphic standards, as applicable. Proper owner maintenance dictates that the drainage system be kept free of debris and/or ice at all times to ensure proper function of the gutter and downspout. In those cases where the owner/tenant of a property is unwilling or unable to provide proper maintenance, elimination of gutter should be considered as an alternative.

Champion BUILDINGS, INC.

P.O BOX 85
WILKESBORO, NC 28697

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code
10/06/2020
Harnett COUNTY NORTH CAROLINA

BUILDING DESCRIPTION

BUILDING SIZE: 40.00' x 50.00' x 14.00' *SLOPE:* 2.0:12

(BUILDING DIMENSIONS ARE NOMINAL, REFER TO PLANS)

This is to certify that this structure is designed utilizing the loads indicated and applied as required by the building code shown below. The certification is limited to the structural design of the framing and covering parts manufactured by the building manufacturer and is specified in the contract. Accessory items such as doors, window, louvers, translucent panels, and ventilators are not included. Also excluded are other parts of the project not provided by the building manufacturer such as foundations, masonry walls, mechanical equipment and erection of the building. The building should be erected on a properly designed foundation in accordance with the building manufacturer's design manual, the attached drawings and good erection practices.

Design Code: NCBC 2018 Risk Category: II

General Loads		
Roof Dead Load (D)	2.0	psf
Roof Collateral Load (C)	0.5	psf
Roof Live Load (Lr)	20.0	psf
Tributary Live Load Reduction	Yes	
Snow Load		
Flat-Roof Snow Load (Pf)	10.5	psf
Ground Snow Load (Pg)	15.0	psf
Snow Exposure Factor (Ce)	1.0	
Snow Load Importance Factor (Is)	1.0	
Thermal Factor (Ct)	1.0	
Wind Load		
Ultimate Wind Speed (3 sec. gust) (V_{ult})	120	mph
Nominal Wind Speed (V_{asd})	76	mph
Wind Exposure Category	B	
Enclosure Classification	Closed	
Internal pressure coefficient	0.18 / -0.18	
Seismic Load		
Seismic Importance Factor (Ie)	1.00	
Mapped Spectral Response Accelerations	Ss 0.1750	S1 0.0830
Site Class	D	
Design Spectral Response Accelerations	S_{DS} 0.1867	S_{D1} 0.1328
Seismic Design Category	B	
Basic Seismic-Force-Resisting System(s)	STEEL OMF / OCBF	
Analysis Procedure	ELF	

Accessories

(2) 3070 WALKDOOR TRIM KITS

ROOF PANELS

TYPE: PBR GAUGE: 26 COLOR: Hawaiian Blue
UL90 CERTIFICATION: NO

IF STANDING SEAM: CLIP TYPE: FIXED HIGH

WALL PANELS

TYPE: PBR GAUGE: 26 COLOR: Light Stone

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH
9-22-20

THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER, THE METAL BUILDING DESIGNER, OR THE METAL BUILDING ENGINEER. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS DOES NOT HAVE FAMILIARITY WITH THE PHYSICAL JOBSITE LOCATION AND THEREFORE CANNOT BE IDENTIFIED AS, SERVE AS, OR QUALIFY AS THE PROJECT DESIGNER OR ENGINEER OF RECORD.

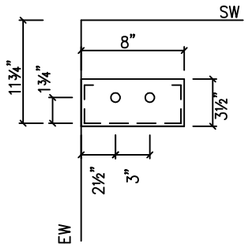
REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

CUSTOMER				
ADDRESS				
OWNER OR PROJECT	James Beyer			
JOBSITE LOCATION	195 E WASHINGTON ST. COATS, NC 27521			
CAD BY	CK'D BY	DATE	SCALE	JOB NO.
		9/22/20	N.T.S.	20-557

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697
BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLANS)

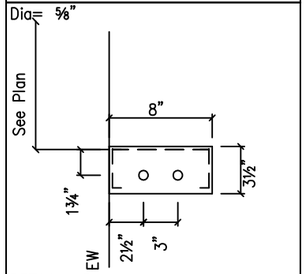
SHEET NO. 1 of 13

Dia= 5/8"



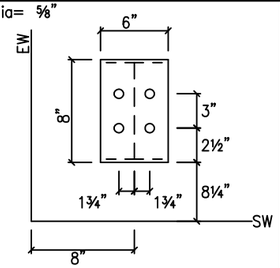
DETAIL A

Dia= 5/8"



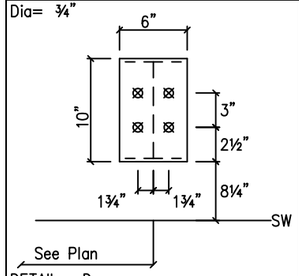
DETAIL B

Dia= 5/8"



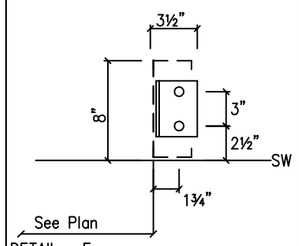
DETAIL C

Dia= ¾"

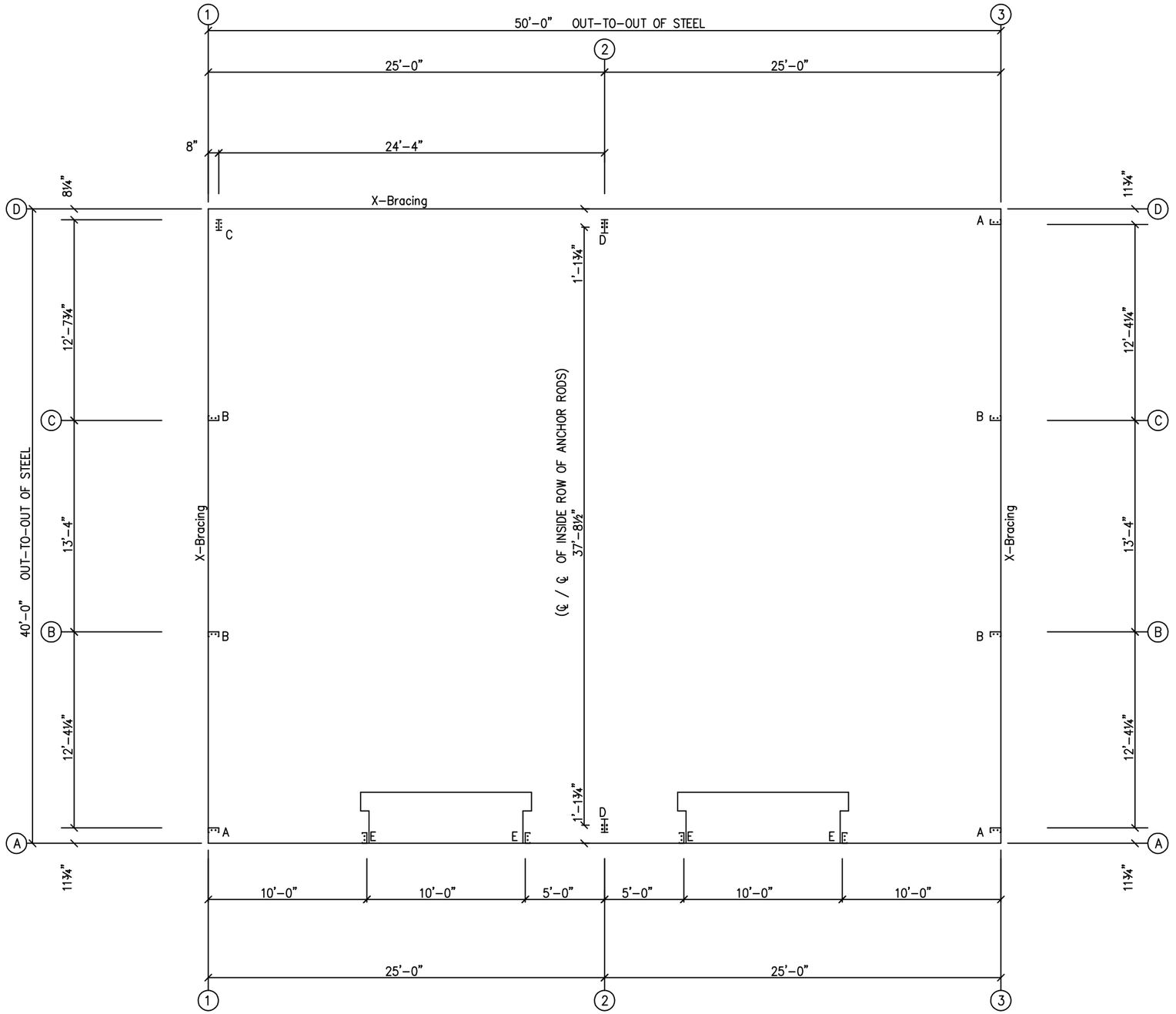


DETAIL D

Dia= 5/8"



DETAIL E



ANCHOR ROD PLAN

NOTE: All Base Plates @ 100'-0" (FINISH FLOOR)(UNLESS NOTED)

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

CUSTOMER				
ADDRESS				
OWNER OR PROJECT	James Beyer			
JOBSITE LOCATION	195 E WASHINGTON ST. COATS, NC 27521			
CAD BY	CK'D BY	DATE	SCALE	
		9/22/20	N.T.S.	

Champion BUILDINGS, INC.
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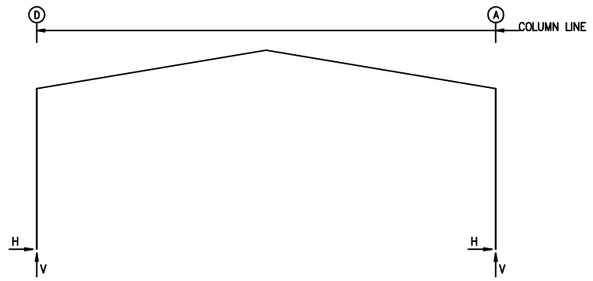
BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLANS)

JOB NO. 20-557

SHEET NO. 2 of 13

FRAME LINES: 2



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR RODS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
2	D	5	4.7	11.4	2	−4.0	−6.3	4	0.750	6.000	10.00	0.500	0.0
					4	0.0	−6.9						
2	A	3	4.0	−6.3	5	−4.7	11.4	4	0.750	6.000	10.00	0.500	0.0
		5	−4.7	11.4	3	4.0	−6.3						

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Total Len (in)	Bend Len (in)	Proj (in)
○ 8	Jamb	⅝"	A307	9.00	3.00	3.00
○ 18	Endwall	⅝"	A307	9.00	3.00	3.00
⊠ 8	Frame	¾"	A307	12.0	3.00	3.00

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis
L_EW	1	C,B	2.7	3.0	0.3	0.3		
F_SW	A	Torsional Bracing Used						
R_EW	3	B,C	2.7	3.0	0.3	0.3		
B_SW	D	2,1	5.2	2.6	0.7	0.4		

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
2	D	0.6	1.7	0.1	0.3	3.1	7.5	2.7	6.6	−7.3	−12.3	0.6	−7.5
2	A	−0.6	1.7	−0.1	0.3	−3.1	7.5	−2.7	6.6	−0.6	−7.5	7.3	−12.3

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
2	D	−7.2	−7.3	0.5	−2.6	−0.6	−13.1	−1.3	−11.4	−0.2	−0.1	0.2	0.1
2	A	−0.5	−2.6	7.2	−7.3	1.3	−8.9	0.6	−10.6	−0.2	0.1	0.2	−0.1

Frame Line	Column Line	Seismic_Long Horiz	Seismic_Long Vert	MIN_SNOW Horiz	MIN_SNOW Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
2	D	0.0	−0.4	3.9	9.4	2.3	6.4	2.3	3.7
2	A	0.0	0.0	−3.9	9.4	−2.3	3.7	−2.3	6.4

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)	= 40.0
Length (ft)	= 50.0
Eave Height (ft)	= 14.0/ 14.0
Roof Slope (rise/12)	= 2.0/ 2.0
Dead Load (psf)	= 2.0
Collateral Load (psf)	= 0.5
Roof Live Load(psf)	= 20.0
Frame Live Load(psf)	= 12.0
Snow Load (psf)	= 10.5
Wind Speed (mph)	= 120.0
Wind Code	= NCBC 18 (IBC 15)
Exposure	= B
Closed/Open	= C
Importance Wind	= 1.00
Importance Seismic	= 1.00
Seismic Zone	= B
Seismic Coeff (Fa*Ss)	= 0.28

5. Loading conditions are:
   1 Dead+Collateral+Live
   2 0.6Dead+0.6Wind_Left1
   3 0.6Dead+0.6Wind_Right1
   4 0.6Dead+0.6Wind_Long1L
   5 Dead+Collateral+MIN_SNOW
   6 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
   7 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
   8 Dead+Collateral+0.75Live+0.45Wind_Right2+0.45Wind_Suction
   9 0.6Dead+0.6Wind_Left2+0.6Wind_Suction
   10 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
   11 0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
   12 0.6Dead+0.6Wind_Suction+0.6Wind_Long1L

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Horz	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert
1	D	0.3	0.0	0.0	1.4	0.7	0.0	−1.6	0.0	−1.3	0.0	−0.8	0.0	−0.6
1	C	0.5	0.1	0.1	3.7	1.9	−1.8	−6.3	0.0	−0.5	−1.8	−5.0	0.0	0.7
1	B	0.5	0.1	0.1	3.7	1.9	0.0	−0.5	1.8	−6.3	0.0	0.7	1.8	−5.0
1	A	0.2	0.0	0.0	1.4	0.7	0.0	−1.3	0.0	−1.6	0.0	−0.6	0.0	−0.8

Frm Line	Col Line	Wind_Press Horz	Wind_Press Vert	Wind_Suct Horz	Wind_Suct Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis_Long Horz	Seis_Long Vert
1	D	−6.1	−2.6	1.1	2.6	0.0	−1.7	0.0	−1.0	0.0	0.0	0.0	0.0	−0.7	−0.3
1	C	−1.9	0.0	2.1	0.0	−0.1	−3.7	−0.4	−3.1	−0.2	−0.2	0.0	0.2	−0.3	−0.3
1	B	−1.9	0.0	2.1	0.0	0.4	−3.1	−0.1	−3.7	0.0	0.2	0.2	−0.2	0.0	0.3
1	A	−0.9	0.0	1.0	0.0	0.0	−1.0	0.0	−1.7	0.0	0.0	0.0	0.0	0.0	0.0

Frm Line	Col Line	MIN_SNOW Horz	MIN_SNOW Vert	E1UNB_SL_L Horz	E1UNB_SL_L Vert	E1UNB_SL_R Horz	E1UNB_SL_R Vert
1	D	0.0	1.1	0.0	0.7	0.0	0.2
1	C	0.1	2.7	0.1	2.4	0.0	0.8
1	B	0.1	2.7	0.0	0.8	0.1	2.4
1	A	0.0	1.1	0.0	0.2	0.0	0.7

Frm Line	Col Line	Dead Vert	Collat Vert	Live Horz	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert
3	A	0.2	0.0	0.0	1.4	0.7	0.0	−1.6	0.0	−1.3	0.0	−0.8	0.0	−0.6
3	B	0.5	0.1	0.1	3.7	1.9	−1.8	−6.3	0.0	−0.5	−1.8	−5.0	0.0	0.7
3	C	0.5	0.1	0.1	3.7	1.9	0.0	−0.5	1.8	−6.3	0.0	0.7	1.8	−5.0
3	D	0.2	0.0	0.0	1.4	0.7	0.0	−1.3	0.0	−1.6	0.0	−0.6	0.0	−0.8

Frm Line	Col Line	Wind Press Horz	Wind Suct Horz	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis_Long Horz	Seis_Long Vert
3	A	−0.9	1.0	0.0	−1.7	0.0	−1.0	0.0	0.0	0.0	0.0	0.0	0.0
3	B	−1.9	2.1	−0.1	−3.7	−0.4	−3.1	−0.2	−0.2	0.0	0.2	0.0	0.3
3	C	−1.9	2.1	0.4	−3.1	−0.1	−3.7	0.0	0.2	0.2	−0.2	0.3	−0.3
3	D	−0.9	1.0	0.0	−1.0	0.0	−1.7	0.0	0.0	0.0	0.0	0.0	0.0

Frm Line	Col Line	MIN_SNOW Horz	MIN_SNOW Vert	E2UNB_SL_L Horz	E2UNB_SL_L Vert	E2UNB_SL_R Horz	E2UNB_SL_R Vert
3	A	0.0	1.1	0.0	0.7	0.0	0.2
3	B	0.1	2.7	0.1	2.4	0.0	0.8
3	C	0.1	2.7	0.0	0.8	0.1	2.4
3	D	0.0	1.1	0.0	0.2	0.0	0.7

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR RODS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
1	D	6	0.6	1.4	7	−3.7	−2.4	4	0.625	6.000	8.000	0.375	0.0
		8	0.5	2.3									
1	C	6	1.3	0.7	7	−1.2	−3.6	2	0.625	3.500	8.000	0.375	0.0
		1	0.1	4.3									
1	B	9	1.3	0.7	10	−1.1	−0.2	2	0.625	3.500	8.000	0.375	0.0
		1	0.1	4.3	11	1.2	−3.6						
1	A	6	0.6	−0.4	10	−0.6	−0.9	2	0.625	3.500	8.000	0.375	0.0
		1	0.0	1.7	11	0.6	−0.9						
3	A	9	0.6	−0.4	7	−0.6	−0.9	2	0.625	3.500	8.000	0.375	0.0
		1	0.0	1.7	12	0.6	−0.9						
3	B	6	1.3	0.7	7	−1.1	−0.2	2	0.625	3.500	8.000	0.375	0.0
		1	0.1	4.3	12	1.2	−3.6						
3	C	9	1.3	0.7	10	−1.2	−3.6	2	0.625	3.500	8.000	0.375	0.0
		1	0.1	4.3									
3	D	6	0.6	−0.4	10	−0.6	−0.9	2	0.625	3.500	8.000	0.375	0.0
		1	0.0	1.7									

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

CUSTOMER

ADDRESS

OWNER OR PROJECT: James Beyer

JOBSITE LOCATION: 195 E WASHINGTON ST., COATS, NC 27521

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P.O BOX 85
WILKESBORO, NC 28697

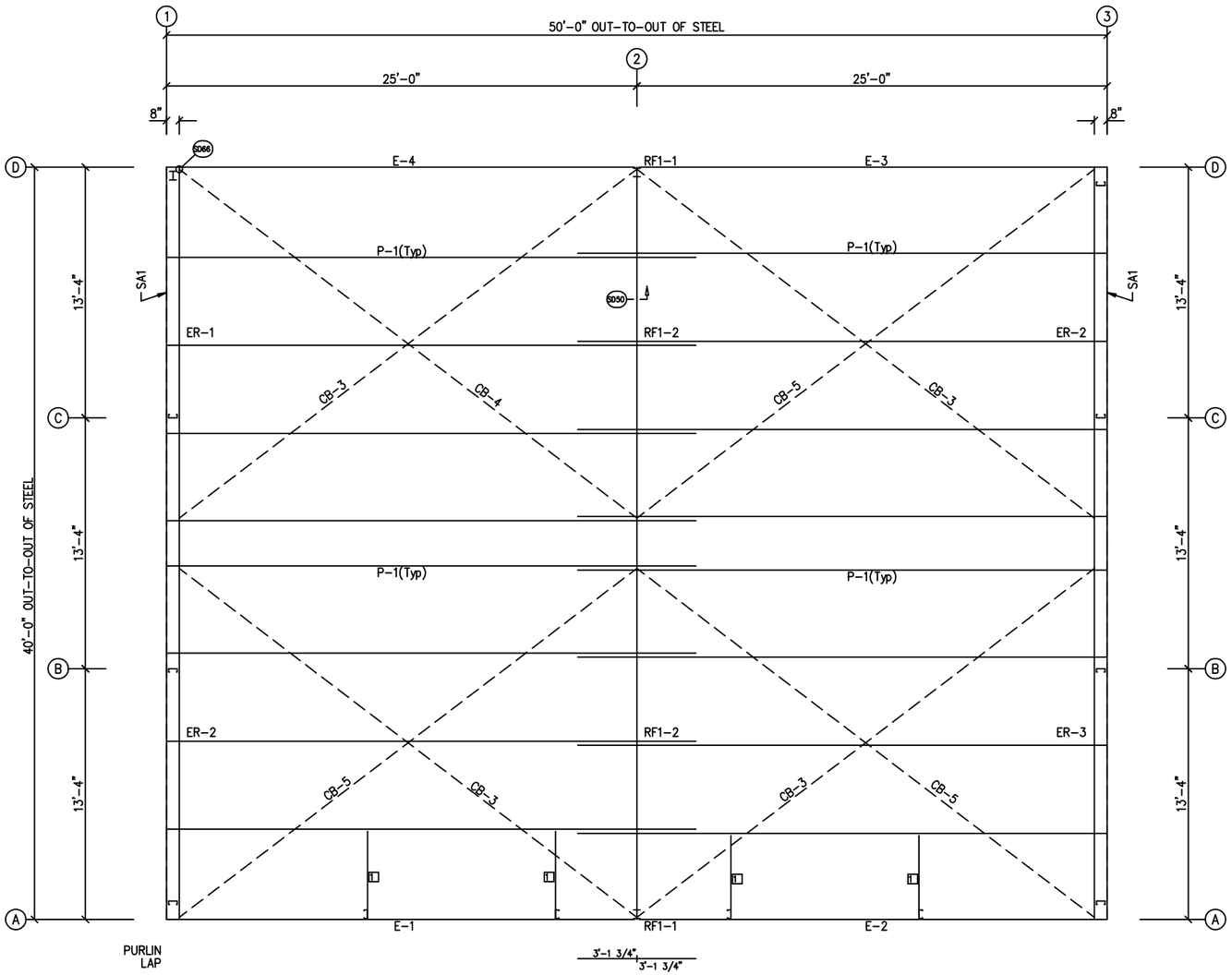
BUILDING SIZE: 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLANS)

CAD BY	CK'D BY	DATE	SCALE	JOB NO.	SHEET NO.
		9/22/20	N.T.S.	20-557	3 of 13

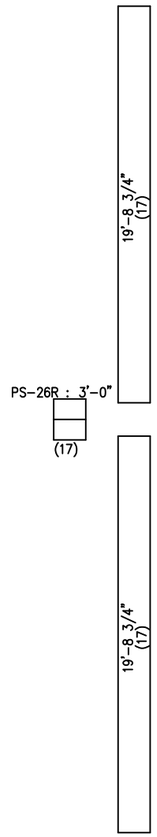
TRIM TABLE ROOF PLAN			
◇ID	MARK	LENGTH	DETAIL
	PS-26R	3'-0"	TRIM_8

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	8X25Z14	28'-1 1/2"
E-1	8.25E14	24'-11 1/2"
E-2	8.25E14	24'-11 1/2"
E-3	8.25E14	24'-11 1/2"
E-4	8.25E14	24'-11 1/2"
CB-3	CB0250	30'-0"
CB-4	CB0250	29'-9"
CB-5	CB0250	30'-6"

CONNECTION PLATES ROOF PLAN	
□ID	MARK/PART
1	JB-1



ROOF FRAMING PLAN



ROOF
SHEETING

PANELS: 26 Ga. PBR
Hawaiian Blue

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

CUSTOMER				
ADDRESS				
OWNER OR PROJECT	James Beyer			
JOBSITE LOCATION	195 E WASHINGTON ST.			
	COATS, NC 27521			
CAD BY	CK'D BY	DATE	SCALE	
		9/22/20	N.T.S.	

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLAN)

JOB NO. 20-557

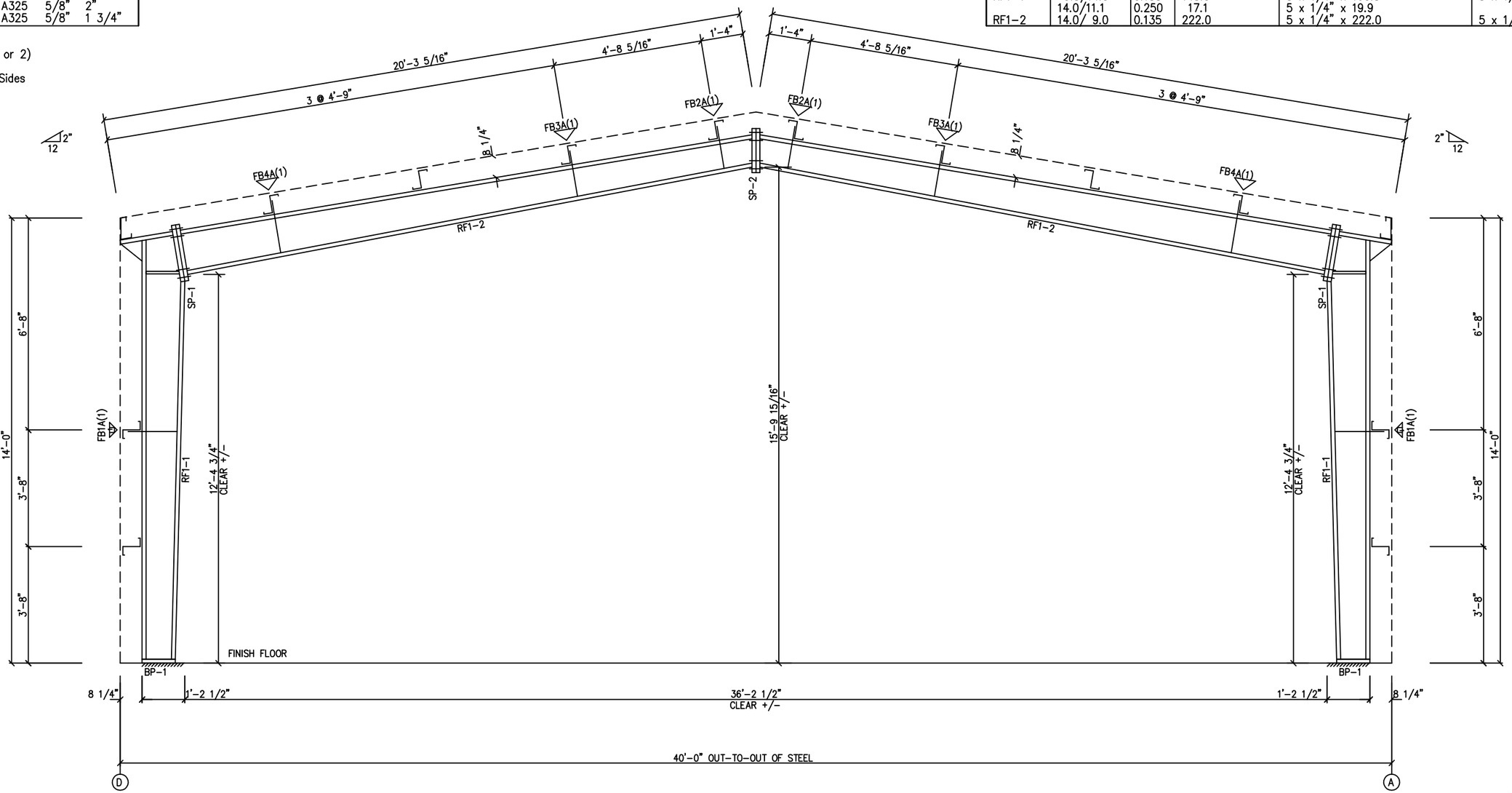
SHEET NO. 4 of 13

SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	5/8"	2"
SP-2	4	4	0	A325	5/8"	1 3/4"

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	9.5/14.0	0.135	145.0	5 x 1/4" x 160.3	5 x 1/4" x 145.1
	14.0/11.1	0.250	17.1	5 x 1/4" x 19.9	
RF1-2	14.0/ 9.0	0.135	222.0	5 x 1/4" x 222.0	5 x 1/4" x 220.5

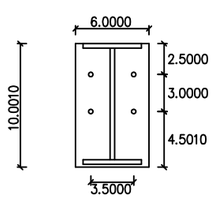
CONNECTION PLATES	
☐ ID	Mark/Part
1	CL-22

FLANGE BRACES: FBxx (1 or 2)
xx=length(in)
(1) One Side; (2) Two Sides
A – 2X2X14Ga



MAIN FRAME ELEVATION: FRAME LINE 2

Hole Dia= 0.9375



BP-1

GENERAL NOTES:
SEE ROOF FRAMING PLAN AND SIDEWALL ELEVATIONS FOR MAIN FRAME PIECE MARKS.

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH
9-22-20

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
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CUSTOMER				
ADDRESS				
OWNER OR PROJECT	James Beyer			
JOBSITE LOCATION	195 E WASHINGTON ST. COATS, NC 27521			
CAD BY	CK'D BY	DATE	SCALE	
		9/22/20	N.T.S.	

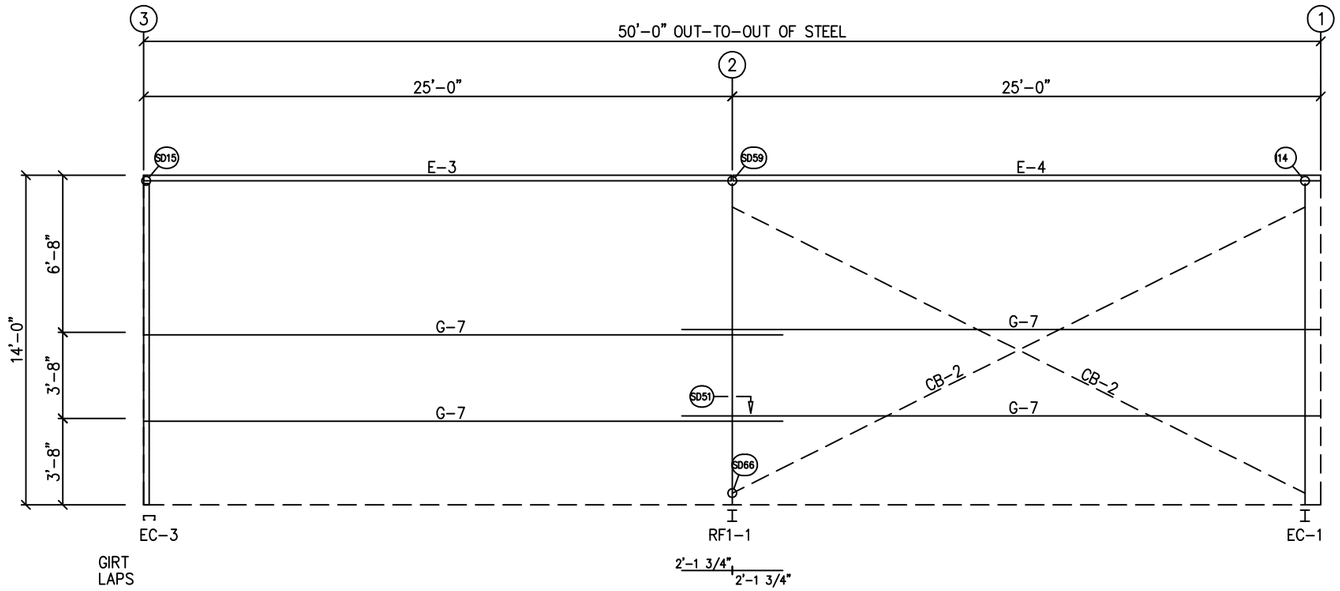
Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLANS)

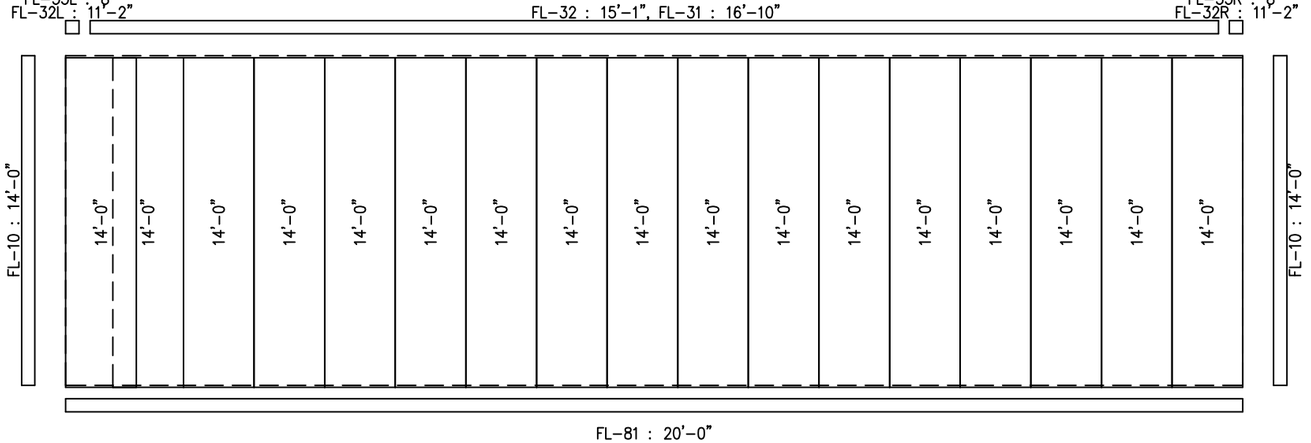
JOB NO. 20-557

TRIM TABLE FRAME LINE D			
◇ID	PART	LENGTH	DETAIL
	FL-32	15'-1"	TRIM_15
	FL-31	16'-10"	
	FL-32L	11'-2"	
	FL-33L	8"	TRIM_85
	FL-32R	11'-2"	TRIM_95
	FL-33R	8"	
	FL-10	14'-0"	TRIM_40
	FL-81	20'-0"	TRIM_80

MEMBER TABLE FRAME LINE D		
MARK	PART	LENGTH
E-3	8.25E14	24'-11 1/2"
E-4	8.25E14	24'-11 1/2"
G-7	8X25Z16	27'-1 1/2"
CB-2	CB0313	27'-9"



SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. PBR – Light Stone

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

GENERAL NOTES:

TRIM IS FIGURED WITH 2" TRIM LAP UNLESS NOTED ON A DETAIL.
FIELD CUT PANELS AT FRAMED OPENINGS, WALKDOORS, AND WINDOWS.
FORMED BASE TRIM TO BE FIELD MITERED AT CORNERS.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
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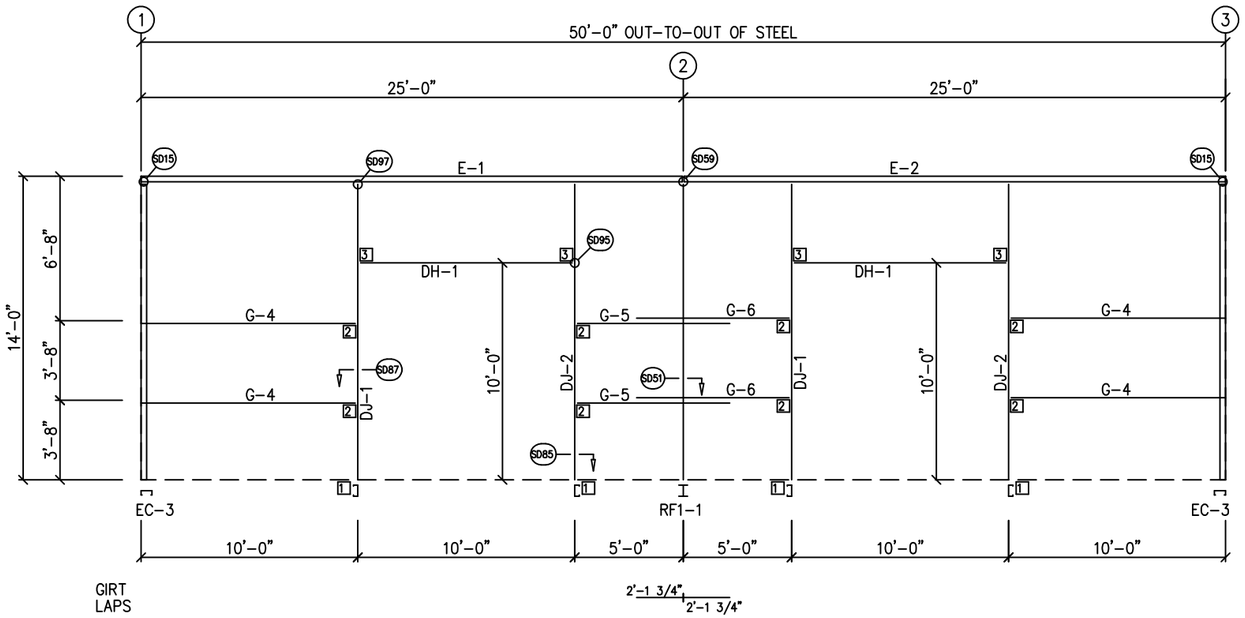
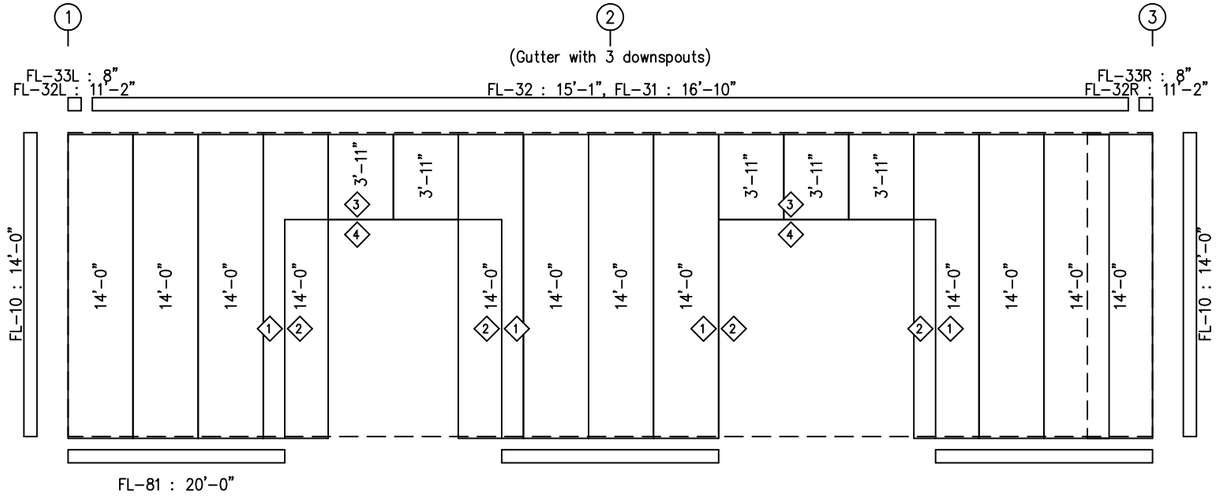
CUSTOMER				
ADDRESS				
OWNER OR PROJECT	James Beyer			
JOBSITE LOCATION	195 E WASHINGTON ST.			
	COATS, NC 27521			
CAD BY	CK'D BY	DATE	SCALE	JOB NO.
		9/22/20	N.T.S.	20-557

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLANS)



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR – Light Stone

TRIM TABLE
FRAME LINE A

◇ID	PART	LENGTH	DETAIL
	FL-32	15'-1"	TRIM_15
	FL-31	16'-10"	
	FL-32L	11'-2"	
	FL-33L	8"	TRIM_85
	FL-32R	11'-2"	TRIM_95
	FL-33R	8"	
	FL-10	14'-0"	TRIM_40
	FL-81	20'-0"	TRIM_80
	FL-81	SCRAP	TRIM_80
1	FL-55	10'-2"	
2	FL-48	10'-3"	TRIM_51
3	FL-55	10'-4"	
4	FL-52	10'-4"	TRIM_52

MEMBER TABLE
FRAME LINE A

MARK	PART	LENGTH
DJ-1	8X35C16	13'-4 7/8"
DJ-2	8X35C16	13'-4 7/8"
DH-1	8X25C16	9'-11 1/2"
E-1	8.25E14	24'-11 1/2"
E-2	8.25E14	24'-11 1/2"
G-4	8X25Z16	9'-7 3/4"
G-5	8X25Z16	6'-9 3/4"
G-6	8X25Z16	6'-9 3/4"

CONNECTION PLATES
FRAME LINE A

□ID	MARK/PART
1	CL-104
2	CL-103
3	CL-100

GENERAL NOTES:

TRIM IS FIGURED WITH 2" TRIM LAP UNLESS NOTED ON A DETAIL.
FIELD CUT PANELS AT FRAMED OPENINGS, WALKDOORS, AND WINDOWS.
FORMED BASE TRIM TO BE FIELD MITERED AT CORNERS.

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
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CUSTOMER	
ADDRESS	
OWNER OR PROJECT	James Beyer
JOBSITE LOCATION	195 E WASHINGTON ST. COATS, NC 27521

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

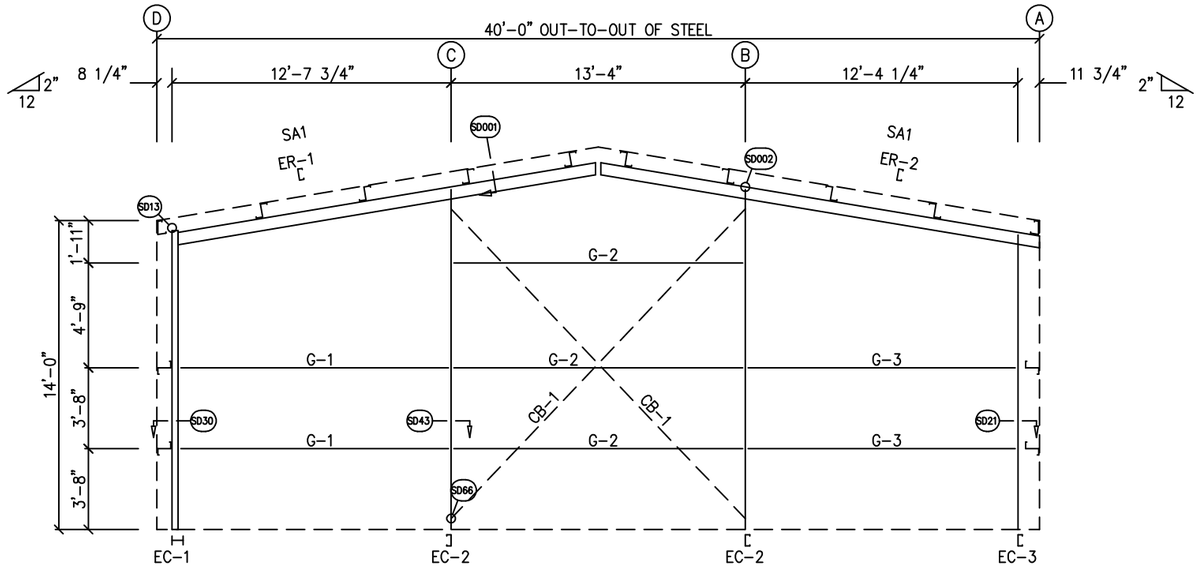
BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLANS)

CAD BY	CK'D BY	DATE	SCALE	JOB NO.	SHEET NO.
		9/22/20	N.T.S.	20-557	7 of 13

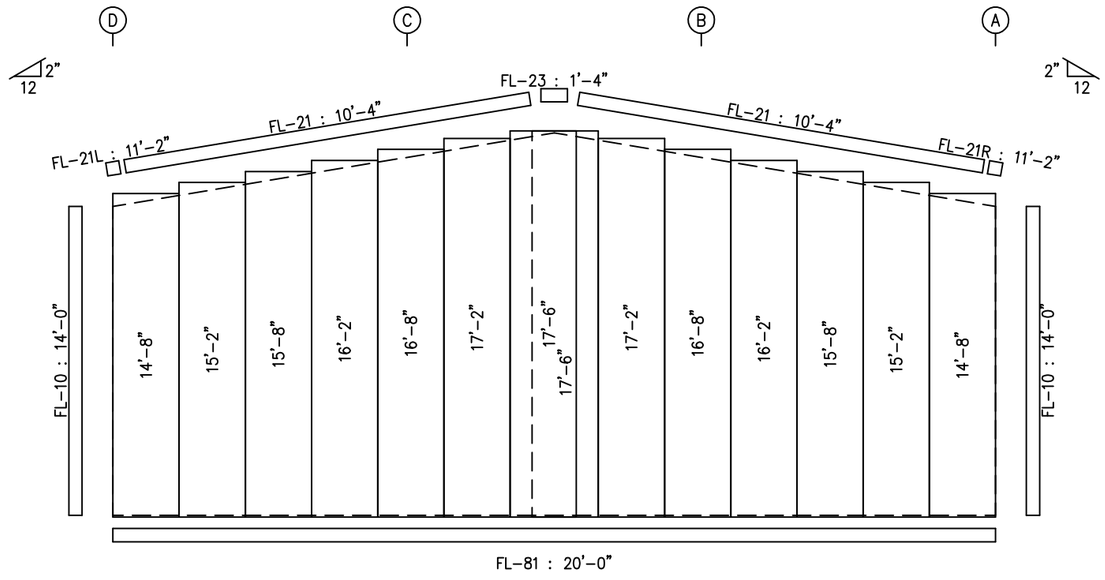
BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
EC-1/ER-1	4	A325	5/8"	1 1/2"
ER-1/ER-2	4	A325	5/8"	1 3/4"
Int_Column/Raf	2	A325	5/8"	1 1/4"
EC-3/ER-2	2	A325	5/8"	1 1/4"

TRIM TABLE FRAME LINE 1			
◇ID	MARK	LENGTH	DETAIL
	FL-21	10'-4"	TRIM_35
	FL-21L	11'-2"	TRIM_13
	FL-21R	11'-2"	TRIM_85
	FL-10	14'-0"	TRIM_40
	FL-81	20'-0"	TRIM_80

MEMBER TABLE FRAME LINE 1		
MARK	PART	LENGTH
EC-1	W8X10	13'-6 5/16"
EC-2	8X35C12	15'-4 3/4"
EC-3	8X35C16	13'-4 1/16"
ER-1	8X35C14	19'-0 1/4"
ER-2	8X35C14	20'-3 1/16"
G-1	8X25Z16	11'-7 5/8"
G-2	8X25Z16	12'-8"
G-3	8X25Z16	11'-8 1/4"
CB-1	CB0250	20'-0"



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBR – Light Stone

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

GENERAL NOTES:

TRIM IS FIGURED WITH 2" TRIM LAP UNLESS NOTED ON A DETAIL.
FIELD CUT PANELS AT FRAME OPENINGS, WALKDOORS, AND WINDOWS.
FORMED BASE TRIM TO BE FIELD MITERED AT CORNERS.
BEVELCUT ENDWALL PANELS AS REQUIRED.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

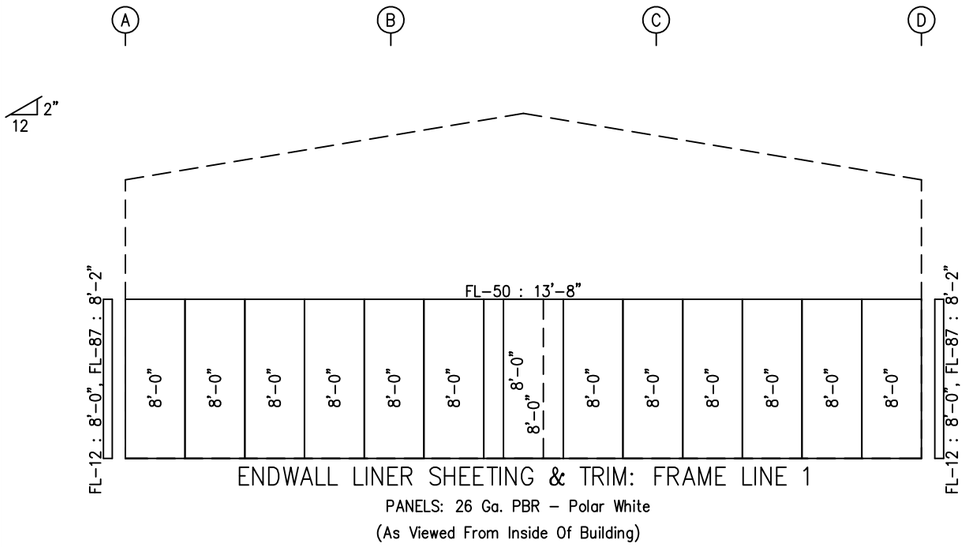
CUSTOMER				
ADDRESS				
OWNER OR PROJECT	James Beyer			
JOBSITE LOCATION	195 E WASHINGTON ST.			
	COATS, NC 27521			
CAD BY	CK'D BY	DATE	SCALE	
		9/22/20	N.T.S.	

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLAN)

JOB NO. 20-557

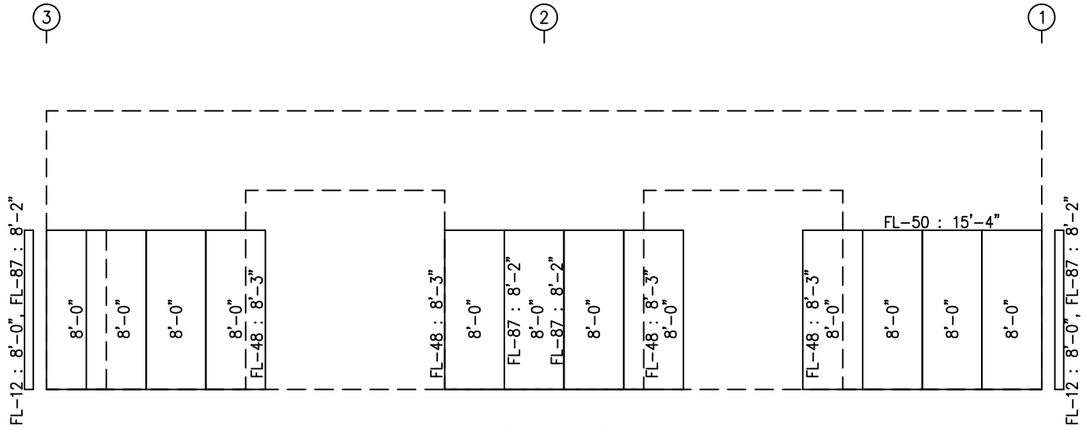
SHEET NO. 8 of 13



ENDWALL LINER SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBR – Polar White

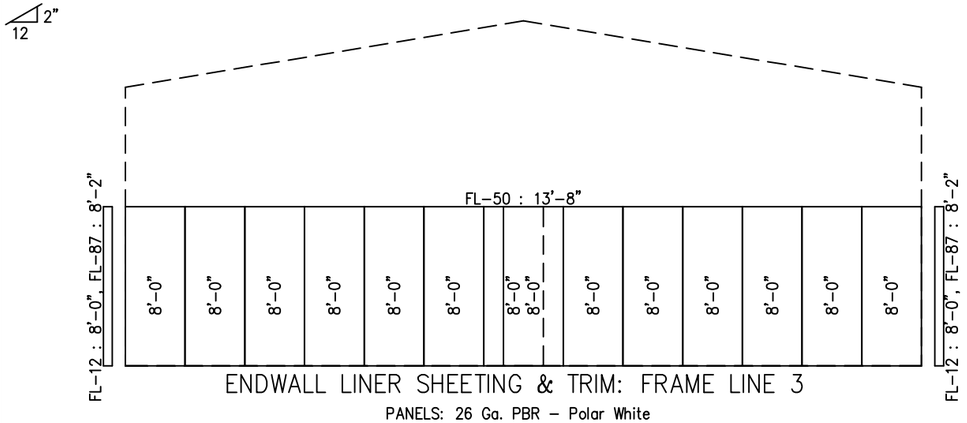
(As Viewed From Inside Of Building)



SIDEWALL LINER SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR – Polar White

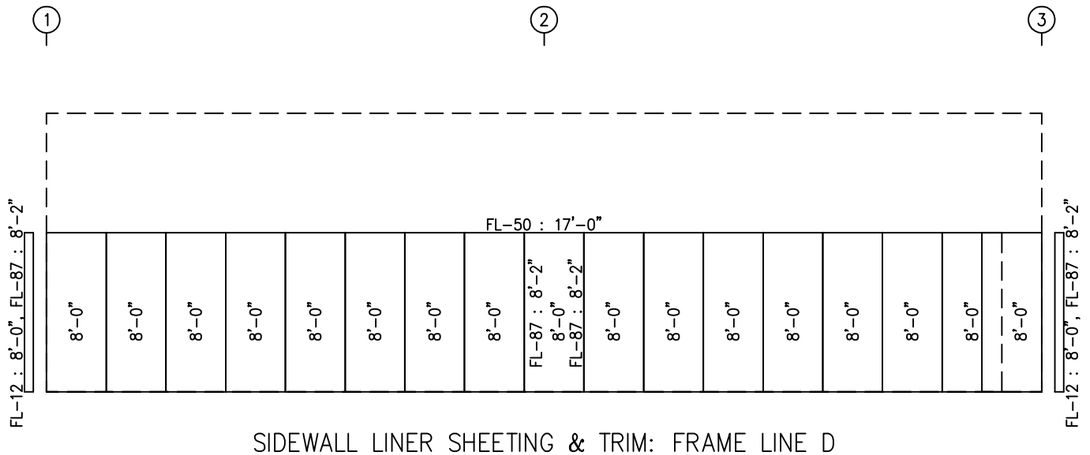
(As Viewed From Inside Of Building)



ENDWALL LINER SHEETING & TRIM: FRAME LINE 3

PANELS: 26 Ga. PBR – Polar White

(As Viewed From Inside Of Building)



SIDEWALL LINER SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. PBR – Polar White

(As Viewed From Inside Of Building)

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

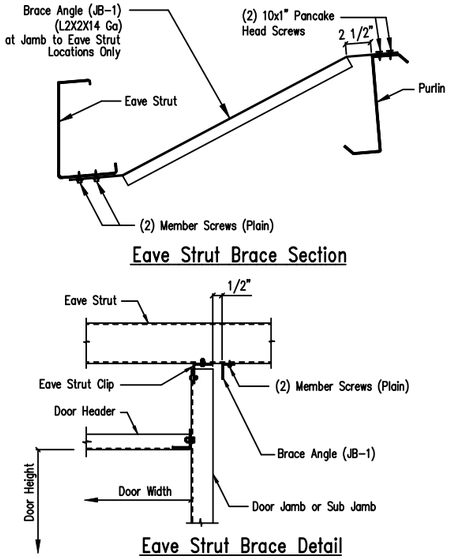
CUSTOMER	
ADDRESS	
OWNER OR PROJECT	James Beyer
JOBSITE LOCATION	195 E WASHINGTON ST.
	COATS, NC 27521

CAD BY	CK'D BY	DATE	SCALE
		9/22/20	N.T.S.

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

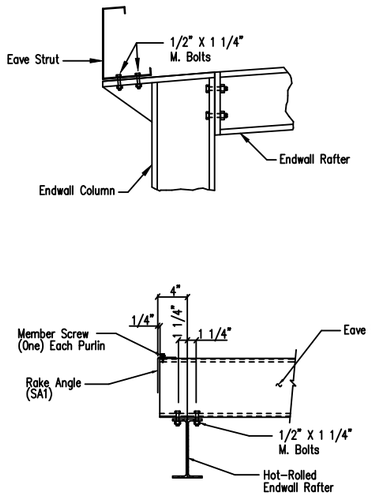
BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLANS)

JOB NO. 20-557



Frame Opening Jamb Brace Angle Detail

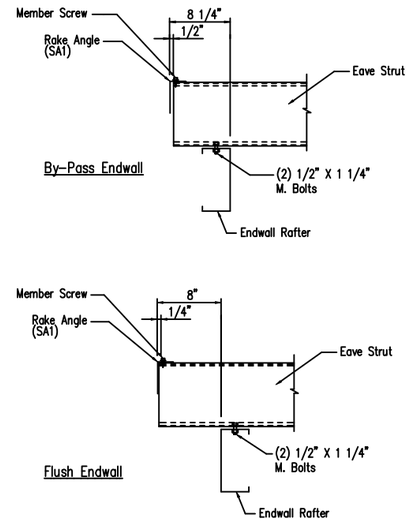
DRAWING NO. SD99



Corner Column Connection WF Rafter/Column

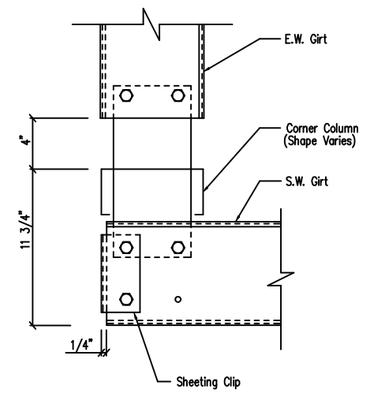
By-Pass Sidewall

DRAWING NO. SD13



Eave Strut to Cold Form Rafter Connection

DRAWING NO. SD15

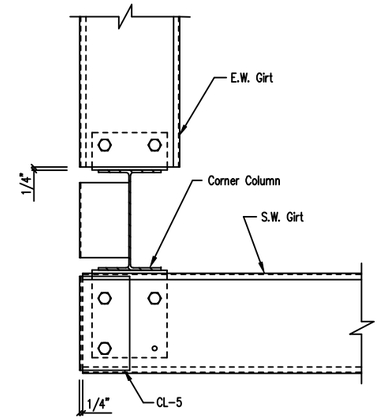


Note: All connection bolts are 1/2" x 1" machine bolts unless noted.

Section at "C" Corner Column

Flush Endwall

DRAWING NO. SD21

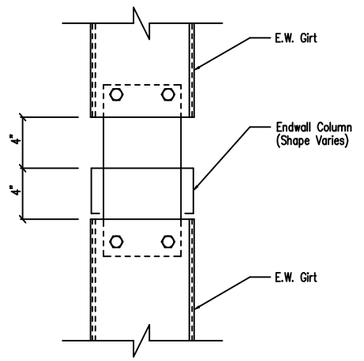


Note: All connection bolts are 1/2" x 1" machine bolts unless noted.

Section at Hot Rolled Corner Column

Flush Endwall – By-Pass Sidewall

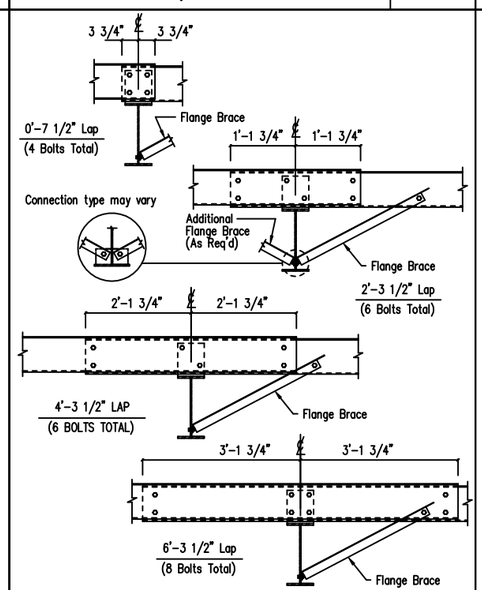
DRAWING NO. SD30



Note: All connection bolts are 1/2" x 1" machine bolts unless noted.

Girt to "C" Endwall Column Connection

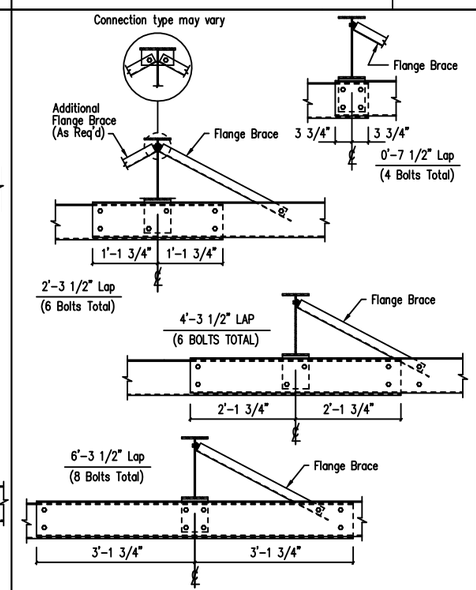
DRAWING NO. SD43



Note: All connection bolts are 1/2" x 1" machine bolts unless noted.

Interior Bay Purlin Framing

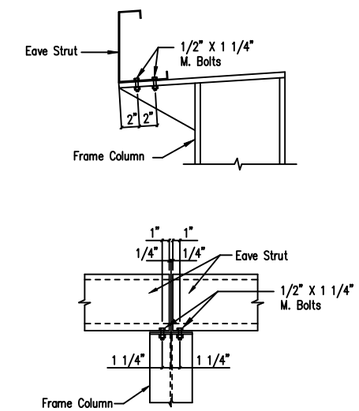
DRAWING NO. SD50



Note: All connection bolts are 1/2" x 1" machine bolts unless noted.

Interior Bay Girt Framing

DRAWING NO. SD51



Eave Strut at Interior Column

By-Pass Sidewall

DRAWING NO. SD59

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

CUSTOMER

ADDRESS

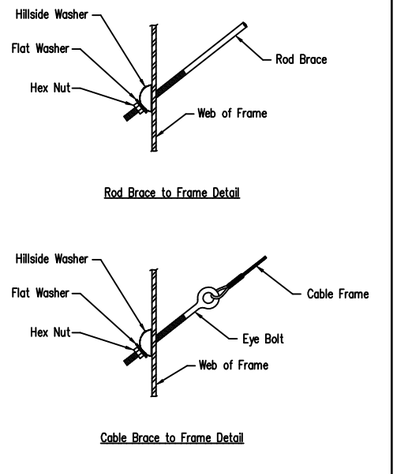
OWNER OR PROJECT: James Beyer

JOBSITE LOCATION: 195 E WASHINGTON ST., COATS, NC 27521

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

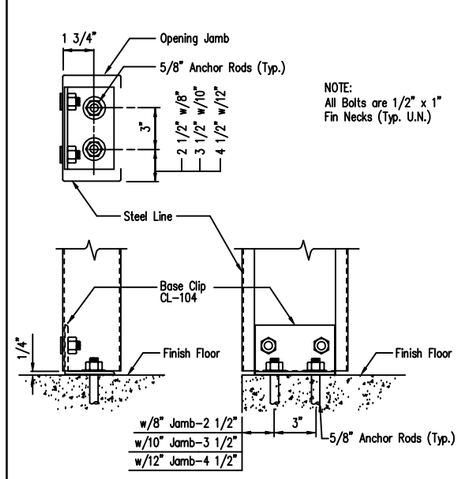
BUILDING SIZE 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLAN)

CAD BY	CK'D BY	DATE	SCALE	JOB NO.	SHEET NO.
		9/22/20	N.T.S.	20-557	10 of 13



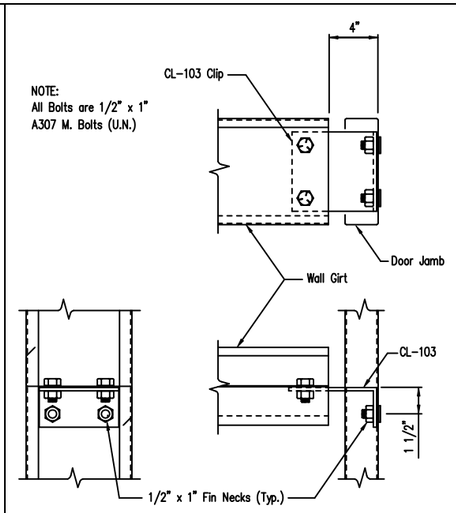
Cable or Rod Brace to Frame Connection

DRAWING NO. SD66



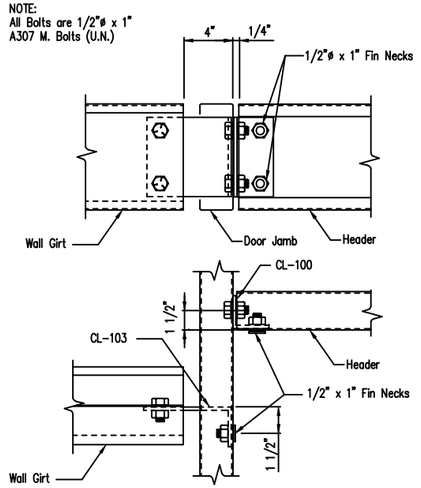
Jamb to Floor

DRAWING NO. SD85



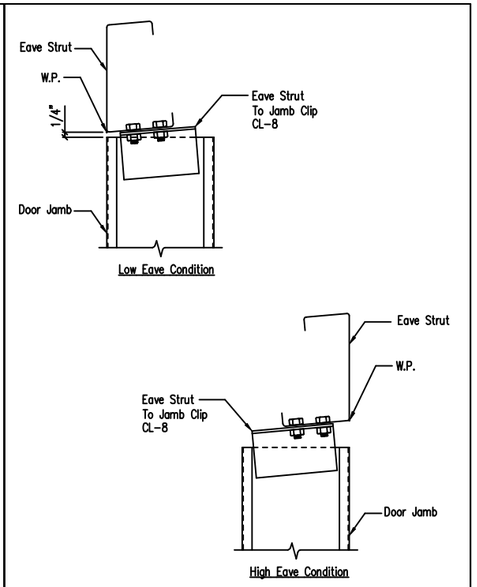
Girt to Jamb (Bolted Clips)

DRAWING NO. SD87



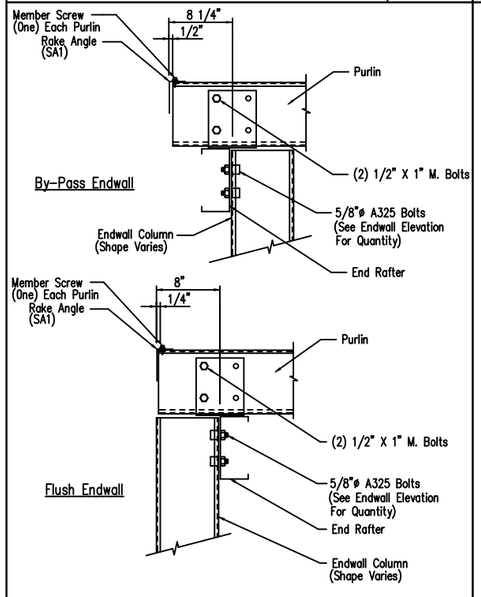
Girt/Header to Jamb (Bolted Clips)

DRAWING NO. SD95



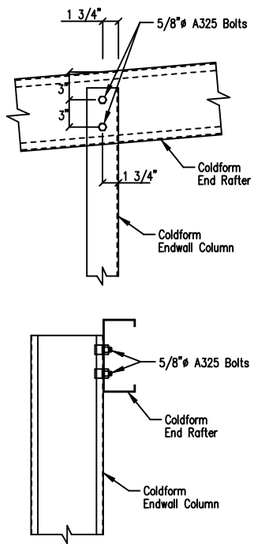
Jamb To Eave Strut 2:12 Roof Pitch and Higher

DRAWING NO. SD97



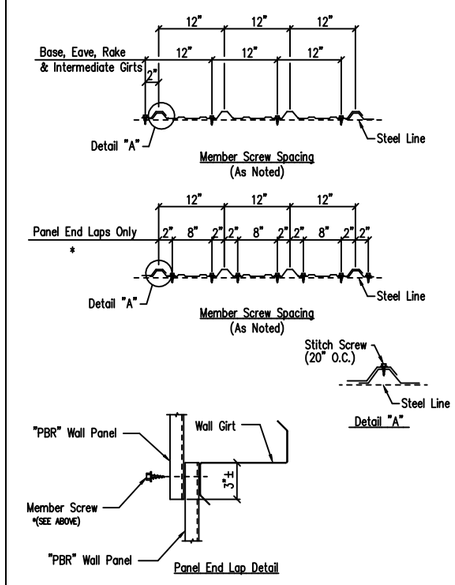
Section Thru Rake at Cold-Form Rafter

DRAWING NO. SD1



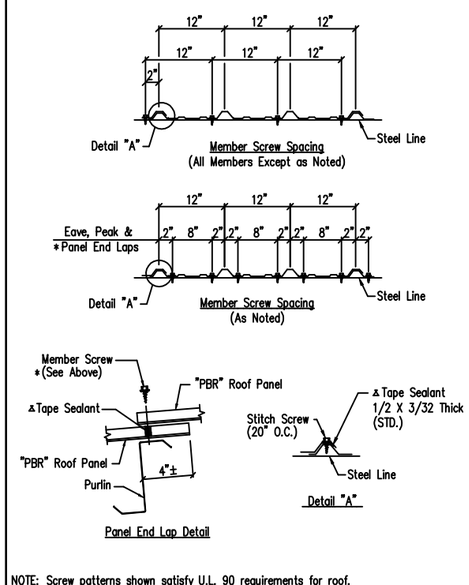
Cold Form Column to Cold Form Rafter

DRAWING NO. SD2



Fastener Location "PBR" Panel at Wall

DRAWING NO. TD1



NOTE: Screw patterns shown satisfy U.L. 90 requirements for roof.

Fastener Location "PBR" Panel at Roof

DRAWING NO. TD7

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

CUSTOMER

ADDRESS

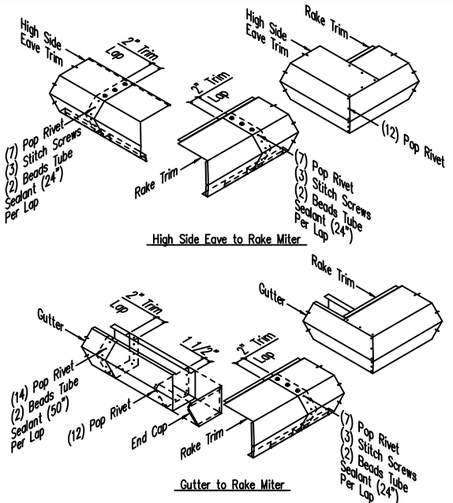
OWNER OR PROJECT: James Beyer

JOBSITE LOCATION: 195 E WASHINGTON ST., COATS, NC 27521

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

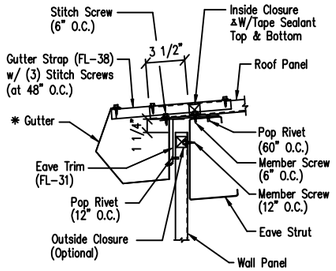
BUILDING SIZE: 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLAN)

CAD BY	CK'D BY	DATE	SCALE	JOB NO.	SHEET NO.
		9/22/20	N.T.S.	20-557	11 of 13

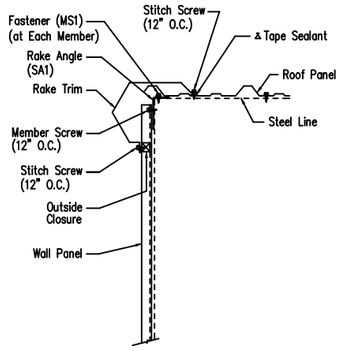


Locate the Gutter End Cap 1 1/2" from the end of the Gutter. Apply one bead of Tube Sealant between the End Cap surface and the Gutter. Attach the End Cap to the Gutter using (12) Pop Rivets. Check to make sure all edges are sealed with Tube Sealant. Insert the Gutter into the Rake Trim. Align the mitered edges and attach to the Rake Trim with (12) Pop Rivets.

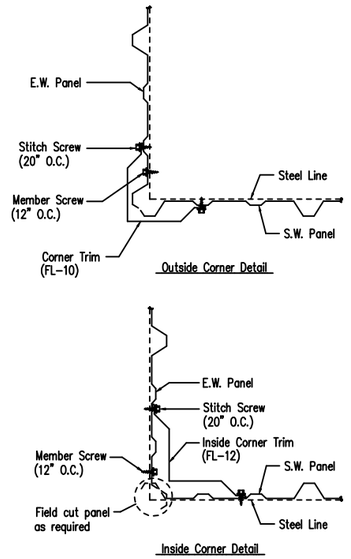
PBR Standard Trim Detail	DRAWING NO. TD13



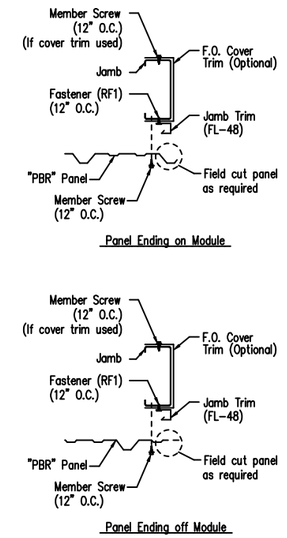
Low Eave Detail – PBR Standard Gutter – Sheeted Wall	DRAWING NO. TD15



Rake Detail – PBR Standard Rake – Sheeted Wall	DRAWING NO. TD35



Section at Corner – PBR	DRAWING NO. TD40

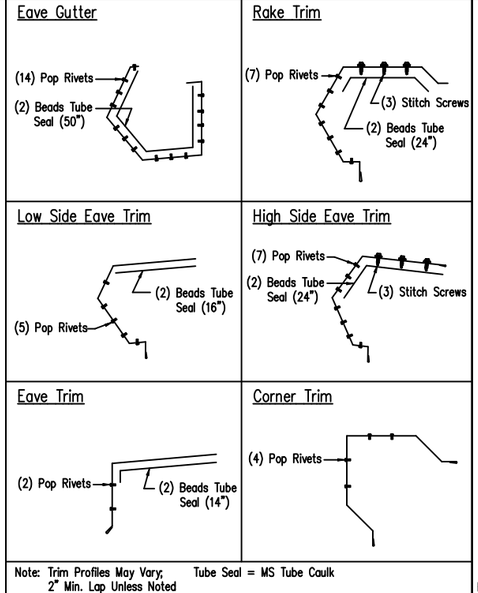


Jamb Detail For Framed Opening – PBR	DRAWING NO. TD51

Framed Opening Head and Sill Details	DRAWING NO. TD52

Note:
1. Use of sheeting notch in concrete is not recommended.
2. Attachment of trim to concrete is by others.
3. Formed base trim is provided in 20'-0" lengths (STD.), field cut as required.

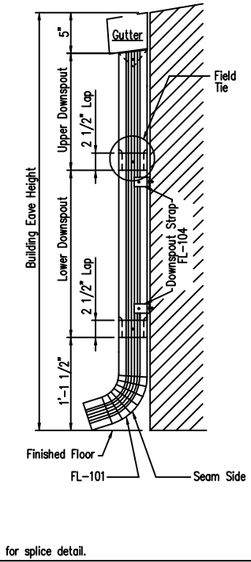
Formed Base Trim Details	DRAWING NO. TD80



Note: Trim Profiles May Vary; 2" Min. Lap Unless Noted

Tube Seal = MS Tube Caulk

Trim Laps – Standard Profile	DRAWING NO. TD85



Reference drawing TD96 for splice detail.

Downspout Elevation 3 1/2" x 5 3/8" Roll-Form	DRAWING NO. TD90

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

REVISIONS				
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CUSTOMER

ADDRESS

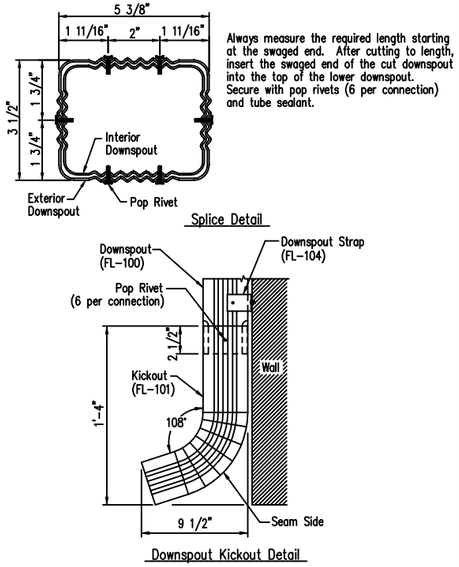
OWNER OR PROJECT: James Beyer

JOBSITE LOCATION: 195 E WASHINGTON ST., COATS, NC 27521

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

BUILDING SIZE: 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLANS)

CAD BY	CK'D BY	DATE	SCALE	JOB NO.	SHEET NO.
		9/22/20	N.T.S.	20-557	12 of 13



Always measure the required length starting at the swaged end. After cutting to length, insert the swaged end of the cut downspout into the top of the lower downspout. Secure with pop rivets (6 per connection) and tube sealant.

Downspout Kickout Detail

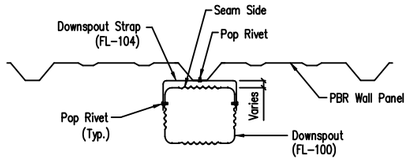
Downspout Kickout and Splice Detail

3 1/2" x 5 3/8" Roll-Form

DRAWING NO. TD96

Created On: 3/2/12

D.S. Strap Quantity	
Eave Height	Quantity
10'-0"	2
12'-0"	3
14'-0"	3
16'-0"	4
20'-0"	4
25'-0"	5

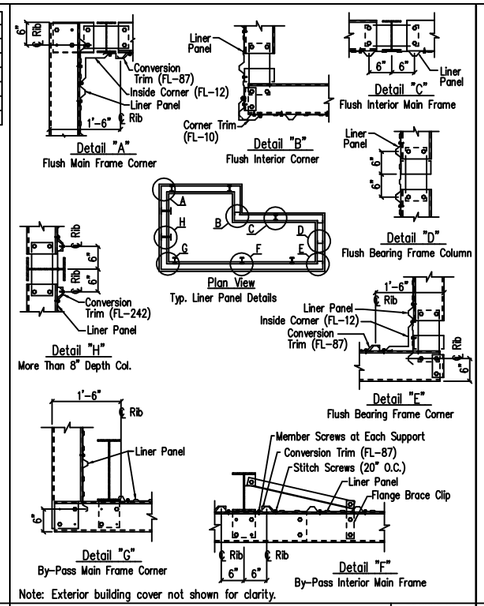


Downspout Strap Attachment Detail – PBR

3 1/2" x 5 3/8" Roll-Form

DRAWING NO. TD98

Created On: 3/2/12 Revised on: 08/14/18

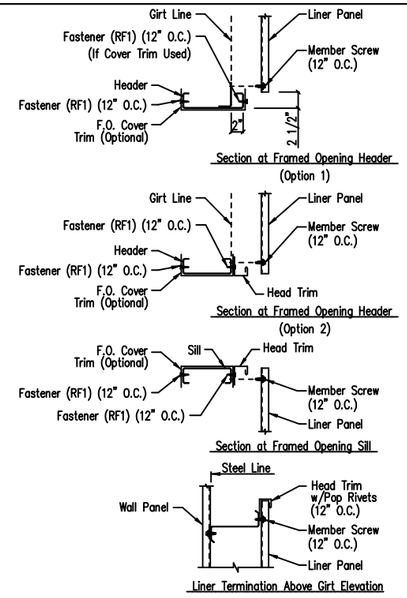


Note: Exterior building cover not shown for clarity.

Liner Panel – PBR

DRAWING NO. TD215

Created On: 3/2/12

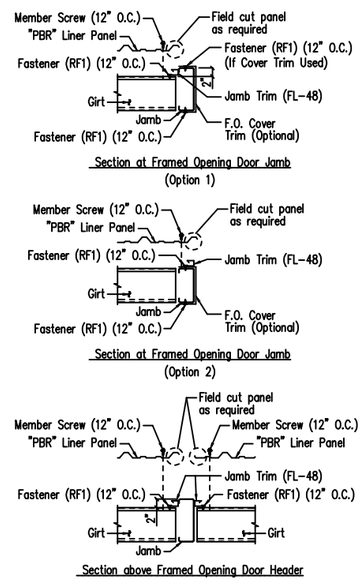


Wall Liner Details

Head and Sill Opening Details

DRAWING NO. TD216

Created On: 9/11/12

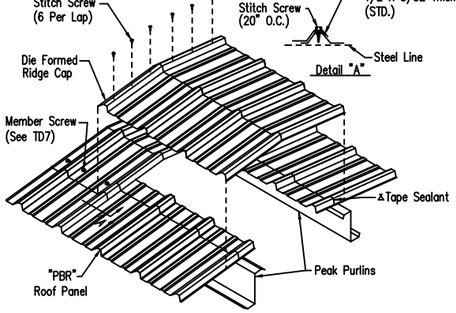


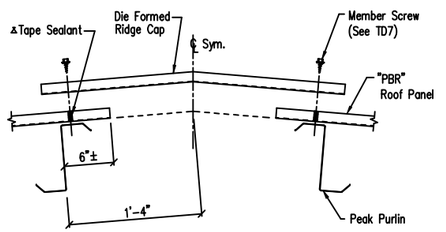
Wall Liner Details – PBR

Jamb Opening Details

DRAWING NO. TD219

Created On: 3/2/12



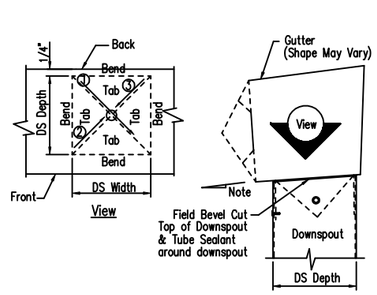


Die Formed Ridge Detail – PBR

Up to a 3:12 Roof Slope

DRAWING NO. TD8

Revised On: 7/7/17
Created On: 3/2/12



1. Refer to the building erection drawings for the location and spacing of the downspouts.
2. Locate all downspouts over a major panel rib if possable.
3. Make a cardboard template of the downspout shape . Place the template on the bottom of the gutter and trace the outline. Remove the template and draw a line from corner to corner, forming an "X" pattern.
4. Drill a hole at the center of the "X". Using tin snips, cut along the lines of the X only. Do not cut along the outside lines of the downspout square.
5. Bend each triangular tab down toward the ground, 90 Degrees to the bottom of the gutter.
6. Position the top of the downspout under the gutter. Make sure all four gutter tabs are on the inside of the downspout.
7. Install Pop Rivets through the downspout into the gutter tab. Only the two sides and the front of the downspout will receive Pop Rivets.

Downspout to Gutter Attachment Detail

DRAWING NO. TD95

Revised On: 8/17/17
Created On: 3/2/12

NORTH CAROLINA PROFESSIONAL SEAL 048363 ENGINEER KYLE MCDONOUGH

9-22-20

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
A	9/22/20	FOR PERMIT / CONSTRUCTION		

CUSTOMER

ADDRESS

OWNER OR PROJECT: James Beyer

JOBSITE LOCATION: 195 E WASHINGTON ST., COATS, NC 27521

CAD BY | CK'D BY | DATE: 9/22/20 | SCALE: N.T.S.

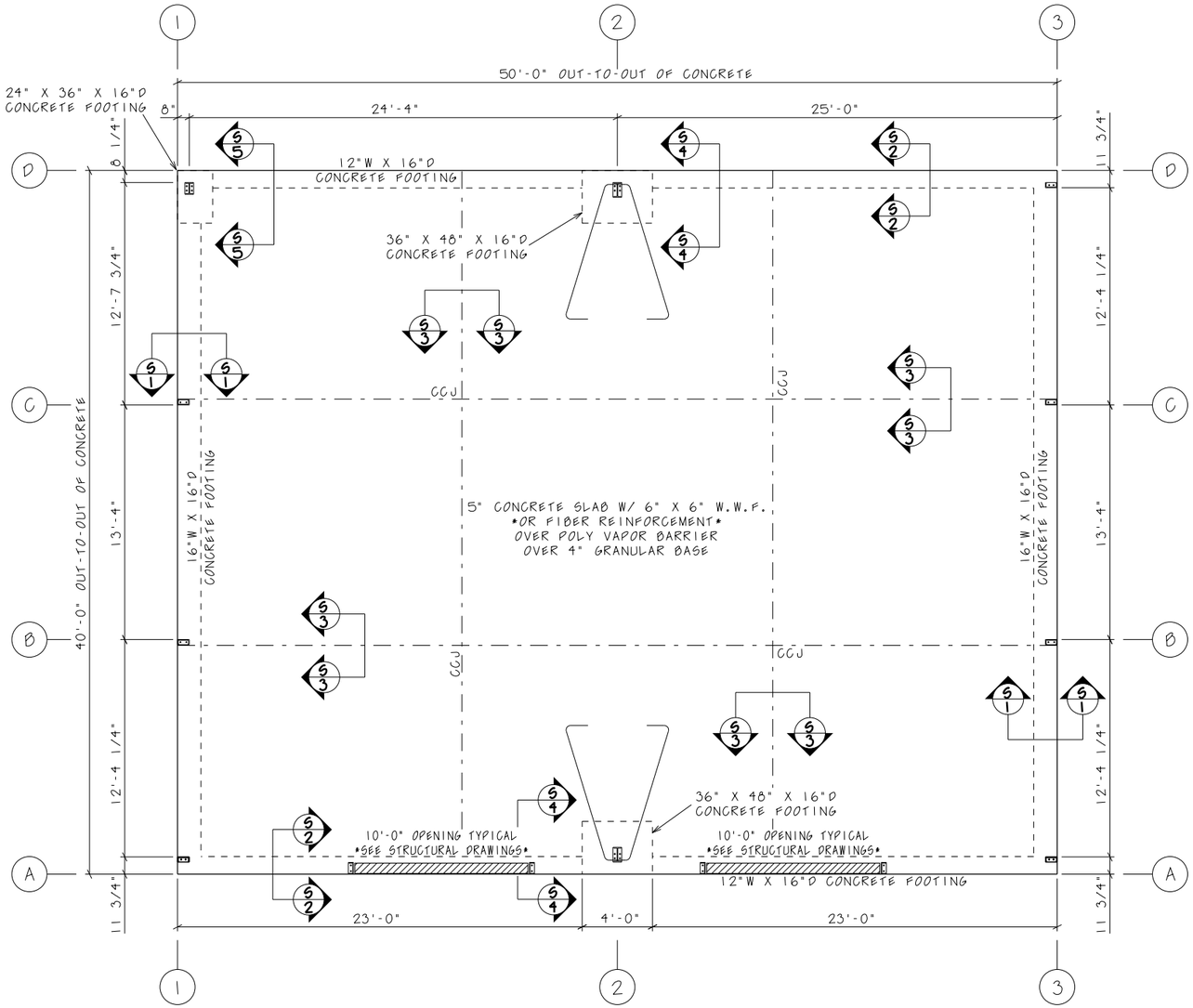
JOB NO.: 20-557

SHEET NO.: 13 of 13

Champion BUILDINGS, INC.
P.O BOX 85
WILKESBORO, NC 28697

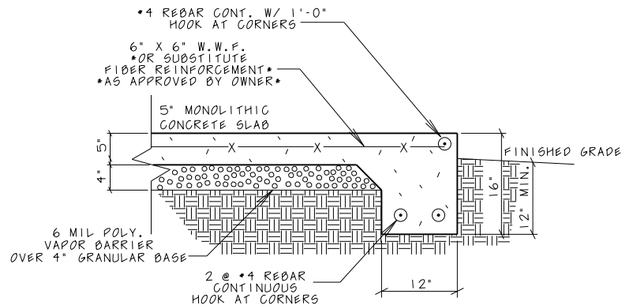
BUILDING SIZE: 40.00' x 50.00' x 14.00' (BUILDING SIZE IS NOMINAL, PLEASE REFER TO PLAN)

JOSEPH L. LAWS, PE AND JOSEPH L. LAWS ENGINEERING ARE NOT THE ENGINEER OF RECORD ON THIS PROJECT. THE ENGINEER OF RECORD IS RESPONSIBLE FOR SPECIAL INSPECTIONS AS REQUIRED BY BUILDING CODE AND FOR DETERMINING THE GOVERNING LOCAL AND STATE BUILDING CODE REQUIREMENTS AND DESIGN CRITERIA. NOTIFIY JOSEPH L. LAWS ENGINEERING IF ASSUMED DESIGN CRITERIA LISTED HEREIN REQUIRES MODIFICATION.



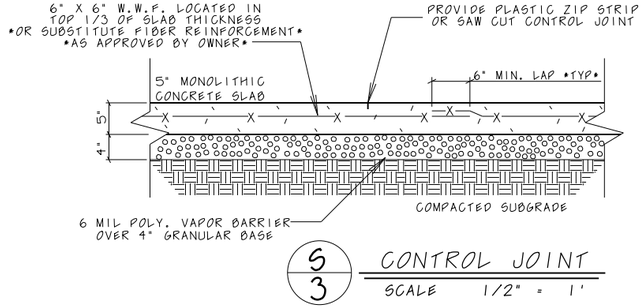
FOUNDATION PLAN

SCALE 1/8" = 1'



S/2 PERIMETER FOOTING

SCALE 1/2" = 1'



S/3 CONTROL JOINT

SCALE 1/2" = 1'

NORTH CAROLINA PROFESSIONAL SEAL 028951 ENGINEER JOSEPH L. LAWS

9-23-20

PROJECT & LOCATION
JAMES BEYER
195 & WASHINGTON ST
COATS, NC 27521
JOB NO. 20-557

JOSEPH L. LAWS ENGINEERING
293 PERRY DRIVE
MILLERS CREEK, NC 28651
JOSEPH L. LAWS, PE
PHONE 336.667.2843
JLAWSPE@GMAIL.COM

PREPARED FOR:
CHAMPION BUILDINGS, INC.
1200 WOODFIELD WAY-SUITE 100
WILKESBORO, NC 28697

DATE
SEPTEMBER 23, 2020

SHEET
S-1.0

DESIGN LOADS:

ROOF LIVE LOAD:	20 PSF	
ROOF DEAD LOAD		
SUPERIMPOSED:	2.0 PSF	
COLLATERAL:	5.0 PSF	
GROUND SNOW LOAD:	15.0 PSF	
FLAT ROOF SNOW LOAD:	10.5 PSF	
ULTIMATE WIND SPEED:	120 MPH	
WIND EXPOSURE CATEGORY:	B	
IMPORTANCE FACTOR:	WIND	1.0
	SEISMIC	1.0
	SNOW	1.0

SEISMIC DESIGN PARAMETERS:

SEISMIC USE GROUP:	II - NORMAL
SPECTRAL RESPONSE ACCELERATION:	S_S: 0.1750
	S_1: 0.0830
SITE CLASSIFICATION:	D
SEISMIC DESIGN CATEGORY:	B

LATERAL DESIGN CONTROL:

EARTHQUAKE: ____
WIND: X
CALCULATED BUILDING DESIGN BASE SHEARS:
VX= SEE METAL BLDG. DRAWINGS
VY= SEE METAL BLDG. DRAWINGS

FOUNDATIONS:

1. ASSUMED SOIL BEARING PRESSURE IS 2,000 PSF ON FIRM UNDISTURBED SOIL OR COMPACTED FILL MATERIAL. ALL CONC. FOOTINGS SHOULD EXTEND BELOW FROST LINE PER LOCAL BUILING CODE.
2. FILL MATERIAL SHALL BE FREE OF ROOTS, WOOD, AND OTHER ORGANIC MATERIAL MATERIALS USED FOR FILL BELOW FOOTINGS AND WITHIN BUILDING LIMITS SHALL BE TESTED AND APPROVED FOR USE BY AN APPROVED TESTING AGENCY.
3. FILL SHALL BE PLACED IN LIFTS NO GREATER THAN 8 INCHES AND COMPACTED TO 95 PERCENT OF THE OPTIMUM DENSITY AS DEFINED BY ASTM D-698.
4. PROOFROLLING SHALL BE CONDUCTED FOR BUILDING SUBGRADE USING A FULLY LOADED DUMP TRUCK. PROOFROLLING SHALL BE CONDUCTED FOLLOWING A SUITABLE PERIOD OF DRY WEATHER TO AVOID DEGRADING AN OTHERWISE ACCEPTABLE SUBGRADE.
5. UTILITY LINES SHALL NOT BE PLACED THROUGH BUILDING FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.

CONCRETE:

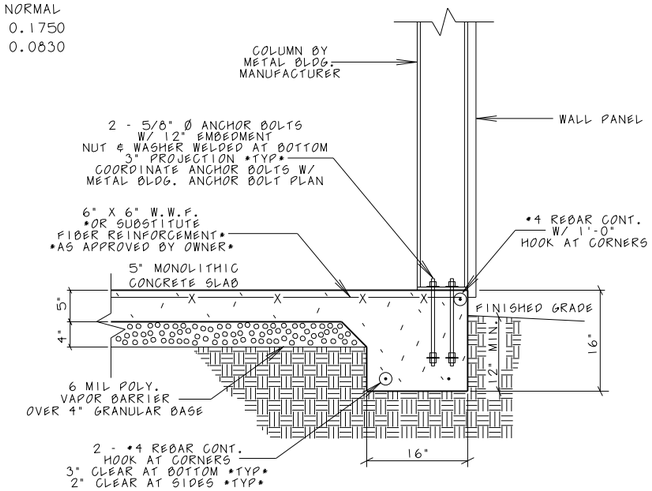
1. ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE *ACI 318-08*.
2. ALL CONCRETE SHALL HAVE ASTM C-33 AGGREGATE WITH MAXIMUM UNIT WEIGHT OF 150 PCF. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3,000 PSI AT 28 DAYS, MIN.

REINFORCING STEEL:

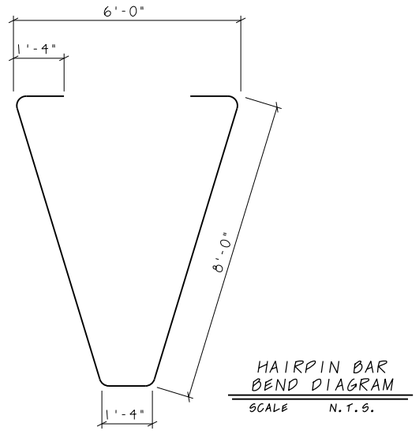
1. REINFORCING STEEL SHALL BE BILLET STEEL, DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60.
2. CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS OTHERWISE NOTED:
   A. FOOTINGS AND GRADE BEAMS — 3 INCHES
   B. SLABS ON GRADE — 2 INCHES
3. REINFORCING STEEL SHALL BE LAPPED USING THE FOLLOWING SCHEDULE:
   NO.4 = 25" NO.5 = 31" NO.6 = 37"

GENERAL NOTES:

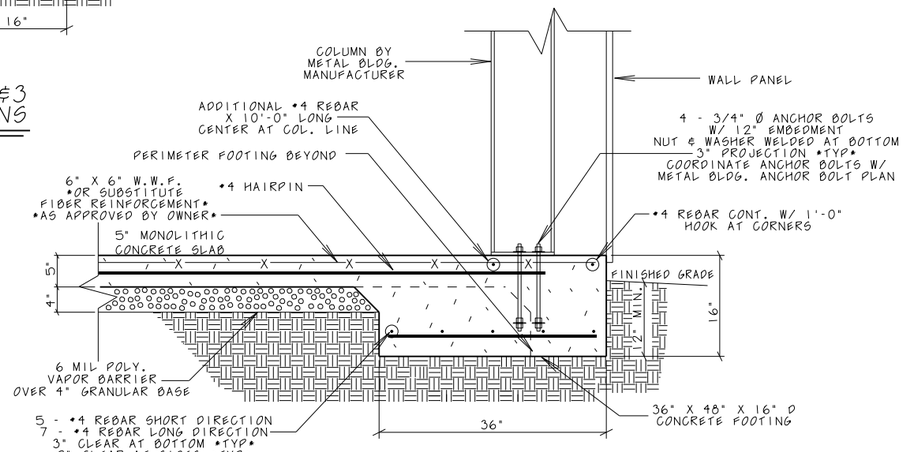
1. FINISHED FLOOR ELEVATION IS AT 100'-0" UNLESS OTHERWISE NOTED.
2. SLAB ON GRADE IS 5 INCH NORMAL WEIGHT CONCRETE WITH 6"X6" W1.4XW1.4 WELDED WIRE FABRIC OR FIBER REINFORCEMENT *AS APPROVED BY OWNER* ON 6 MIL VAPOR BARRIER AND 4 INCH GRANULAR BASE.
3. CONTROL JOINTS IN CONCRETE SLABS SHALL BE SAWCUT. CONSTRUCTION JOINTS SHALL BE FORMED WITH KEYED METAL EDGE FORM MATERIAL OR EQIVALENT.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS.
5. ALL DIMENSIONS SHOULD BE READ OR CALCULATED, NOT SCALED.
6. REFER TO METAL BUILDING DRAWINGS FOR SPECIFIC DETAILS AND INFORMATION.
7. REFER TO METAL BUILDING DRAWINGS FOR ALL ANCHOR BOLT SIZES AND LOCATIONS.
8. THE DESIGN OF THIS FOUNDATION WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE - 2018 EDITION..
9. THE CONTRACTOR SHALL EXERCISE PROPER PRECAUTION TO VERIFY ALL EXISTING CONDITIONS AND LAYOUT OF WORK. IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY ERROR RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTION.
10. ANY DISCREPANCIES, ERRORS OR OMISSIONS DISCOVERED IN THE DOCUMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH RELATED WORK. OTHERWISE, THE CORRECTION OF SUCH ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR.
11. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR A NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.



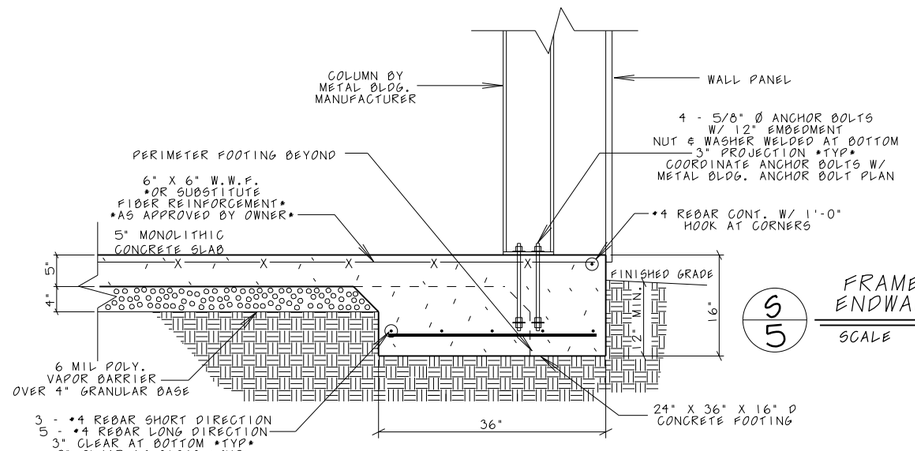
S/1 FRAME LINES 1&3 ENDWALL COLUMNS
SCALE 1/2" = 1'



HAIRPIN BAR BEND DIAGRAM
SCALE N.T.S.



S/4 FRAME LINE 2 MAIN COLUMNS
SCALE 1/2" = 1'



S/5 FRAME LINE 1-D ENDWALL COLUMNS
SCALE 1/2" = 1'

NORTH CAROLINA PROFESSIONAL SEAL 028951 ENGINEER JOSEPH L. LAWS

9-23-20

PROJECT & LOCATION
JAMES BEYER
195 E WASHINGTON ST
COATS, NC 27521
JOB NO. 20-557

JOSEPH L. LAWS ENGINEERING
293 PERRY DRIVE
MILLERS CREEK, NC 28651
JLAWSPE@GMAIL.COM
PHONE 336.667.2843

PREPARED FOR:
CHAMPION BUILDINGS, INC.
1200 WOODFIELD WAY-SUITE 100
WILKESBORO, NC 28697

DATE
SEPTEMBER 23, 2020

SHEET
S-1.1

195 E WASHINGTON ST. COATS, NC 27521, 40'x50' GARAGE