INLAND BUILDINGS

2141 SECOND AVENUE S.W.
CULLMAN, ALABAMA 35055
PHONE: 800-438-1606
FAX: 800-438-1626
www.inlandbuildings.com

DRAWING INDEX

BUILDING DESCRIPTION

BUILDING SIZE: 50.00' x 60.00' x 16.00' SLOPE: 2.0:12
BUILDING SIZE: _____ SLOPE: _____
BUILDING SIZE: _____ SLOPE: _____
BUILDING SIZE: _____ SLOPE: _____
(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 18/IBC 15

General Loads			
Roof Dead Load (D)	2.00	psf	
Roof Collateral Load (C)	5.00	psf	
Roof Live Load (Lr)	20.00	psf	
Tributary Live Load Reduction	Yes		
Snow Load			
Flat-Roof Snow Load (Pf)	7.7000	psf	
Ground Snow Load (Pg)	10.0000	psf	
Min. Snow (Low Slope) (Pmin)	10.0000	psf	
Snow Exposure Factor (Ce)	1.0000		
Snow Load Importance Factor (Is)	1.0000		
Thermal Factor (Ct)	1.10		
Wind Load			
Wind Speed (V 3S)	N/A		
Wind Speed (Vult & Vasd)	120.0000	mph 92.95152	mph
Occupancy / Risk Category	II - Normal		
Wind Exposure Category	B		
Internal Pressure Coefficient (GCpi)	+/- 0.18		
Wind Enclosure	Enclosed		
Wind Importance Factor	N/A		
Seismic Load			
Seismic Importance Factor (Ie)	1.00		
Spectral Response Accelerations (Ss and S1)	0.1810	0.0850	
Site Class	D		
Spectral Response Coeffecients (Sds and Sd1)	0.1931	0.1360	
Seismic Design Category	C		
Basic Seismic-Force-Resisting System(s) *			
	Longitudinal	Lateral	
Total Design Base Shear (V)	3.36 Kips	1.98 Kips	
Seismic Response Coefficient(s) (Cs)	0.0644	0.0644	
Response Modification Factor(s) (R)	3.0000	3.0000	
Analysis Procedure: Equivalent Lateral Force			

* Steel Systems not Specifically Detailed for Seismic Resistance

PANEL, TRIM AND FRAMING INFORMATION

ROOF PANELS
TYPE: PBR GAUGE: 26 COLOR: Charcoal Gray
UL90 CERTIFICATION: Yes
INSULATION: 6 In.BY OTHERS
MASTIC: Wide
IF STANDING SEAM: CLIP TYPE: _____

WALL PANELS
TYPE: PBR GAUGE: 26 COLOR: Light Stone
INSULATION: 6 In.BY OTHERS

LINER PANELS
TYPE: _____ GAUGE: ____ COLOR: _____
HEIGHT: ____

FASCIA PANELS
TYPE: _____ GAUGE: ____ COLOR: _____

SOFFIT PANELS
TYPE: _____ GAUGE: ____ COLOR: _____

PARTITION PANELS
TYPE: _____ COLOR: _____

TRIM

RAKE:	COLOR: Coal Black
EAVE:	COLOR: Coal Black
GUTTER:	COLOR: Coal Black
DOWNSPOUT:	COLOR: Light Stone
VALLEY GUTTER:	COLOR:
HEADER:	COLOR: Light Stone
SILL:	COLOR: Light Stone
JAMB:	COLOR: Light Stone
BASE TRIM:	COLOR: Light Stone
CORNER:	COLOR: Light Stone
LINER:	COLOR:
SOFFIT:	COLOR:
FASCIA SILL:	COLOR:
CAP TRIM:	COLOR:

PRIMARY FRAMING
(MAIN FRAMES & ENDWALL FRAMES) Red-Oxide
(WIND COLUMNS & BENTS)

SECONDARY FRAMING
(GIRTS, EAVE STRUTS, PURLINS Red-Oxide
DOOR/FRAMED OPNG. & CLIPS ETC.)

DN 9
Loads, as noted, are as given within order documents And are applied in general accordance with the applicable provisions of the model code And/Or specification indicated. Neither the manufacturer nor the certifying engineer declares Or attests that the loads as designated are proper for local provisions that may apply Or for site specific parameters. The manufacturer's engineer's certification is limited to designs supplied by and/or engineer of record for the overall construction project.
DN 10
This metal building system is designed as enclosed. All exterior components (i.e. doors, windows, vents, etc.) must be designed to withstand the specified wind loading for the design of components and cladding in accordance with the specified building code. Doors are to be closed when a maximum of 50% of design wind velocity is reached.
DN 17
This project is designed using manufacturer's standard serviceability standards. Generally this means that all stresses and deflections are within typical performance limits for normal occupancy and standard metal building products. If special requirements for deflections and vibrations must be adhered to, then they must be clearly stated in the contract documents.
DN 18
X-Bracing is to be installed to a taut condition with all slack removed. Do not tighten beyond this state.
DN 27
Per 7-10 this structure qualifies and was designed as a fully enclosed structure.
DN 28
The framed opening support members provided are designed ONLY for wind load forces exerted "normal (perpendicular) to the opening". No additional loads are included.

IAS Certification Accredited
Certification # MB-205

4/14/25

Fred F Radfar
Digitally signed by Fred F Radfar
Date: 2025.04.14 16:08:57 -05'00'

DSN. APR. | APR. DATE

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

FRED F. RADFAR P.E.
30 WINDERMERE LANE
HOUSTON, TEXAS 77063
fred@radfarpe.com

North Carolina Licence #010295
Exp. 12/31/2025

DRAWING STATUS

- ☐ FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
- ☐ FOR PERMIT: THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL IN THAT, AS A MINIMUM, PIECE MARKINGS ARE NOT IDENTIFIED. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
- ☒ FOR CONSTRUCTION: FINAL DRAWINGS.

REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	4/10/25	PERMIT FOR CONSTRUCTION	MLB	MLB

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DESCRIPTION	COVER PAGE	SEE	REFER TO C1
NAME OF PROJECT	William McPhail 50x80	CUSTOMER	MCPHAIL METAL STRUCTURES
ADDRESS LOCATION	515 BUMPAS CREEK ACCESS	ADDRESS	1478 CARROLL STORE ROAD
	DUNN, NC 28334-5777		AUTRYVILLE, NC 28318

CAD BY	CHK'D BY	DATE	SCALE	JOB NO.	PM	BLDG. SPEC. SHEET	SHEET NO.	ISSUE
MLB	FR	4/10/25	N.T.S.	205715			C1 of 2	0

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-32-20'-2"
   - FL = trim identification number
   - 32 = trim length in feet and inches.
   - 20'-2" = trim length in feet and inches.

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 safetyprocedures 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 2006 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. 4.4.1 AISC code of standard practices, 13th 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 13th 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. 7.10.3 AISC code of standard practice, 13th 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 2006 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.

PRODUCT CERTIFICATION

The building manufacturer is member of the Metal Building Manufacturers Associations.
The building manufacturer's fabrication and products are covered by one or more of the following certification:
1. Approved fabricator of prefabricated buildings and components. Reference IAS(MB-205)
2. City of Houston approved fabricator (registration no. 964)

International Building Code (IBC)

Material properties of steel plate used in the fabrication of primary rigid frames, and primary structural exclusive of cold-formed sections, conform to ASTM-A529 or A-572. Flanges with thickness of 1"or less and width of 12"or less conformed to A-529 with minimum yield point of 55,000 PSI. Flanges greater than ¾"in thickness and 12" in width conformed to A-572 with min. yield point of 50,000 PSI. Flanges with a thickness greater than 1" thick and a width less than 12" conform to A-572 with a min. yield point of 50,000 PSI. Material properties of pipe sections conform to ASTM-A53 type E, Grade B with a min. yield point 35,000. Material properties of hot rolled steel members conform to the requirements of ASTM-A992 or A-572 with a min. yield point of 50,000 PSI. Material properties of cold formed light gauge steel members conform to ASTM-A1011 Grade 55 with a min. yield point of 55,000 PSI.
Materials properties of roof/wall sheeting, base material conform to ASTM-A792 Grades 50 or 80 with min. yield point of 50,000 PSI an 80,000 PSI respectively, as required by design Coating & base material is 55% aluminum-zinc alloy in accordance with AZ55 for unpainted or AZ50 for painted specification.Cable utilized for bracing conforms to ASTM A475.Cable bracing is to be installed to a taut condition with all slack removed.
Rod & angle utilized for bracing members conform to ASTM A36.
Structural joints with ASTM A-325 high strength bolts, where indicated on the drawings, shall be assembled and the fasteners tightened in accordance with the bolt tightening procedure per MBMA '96 IV 6.9. All joints will be assembled without washers unless otherwise noted.
All steel members except bolts, fasteners & cable shall receive one shop coat of iron oxide corrosion inhibitive primer, meeting the performance requirements of SSPC paint Specification #15.
Shop & field inspections and associated fees are the responsibility of the contractor, unless stipulated otherwise in the contract.

Packing List: 12345

Ship To: LUIS MARTINEZ
5487 FM 744
PAWNDE, TX, 71576

Truck ID: EXPRESS

Carton ID	Piece Mark	Description	Elevs/Qty	Length	Unit Weight	Gross Weight	Order#	- Line#	- CustPO#
C126990		BUILDING SERVICE	0x0x0			601			
	RF1-1	BUILT UP SECTION	2	8' 3-7/16"	134.0	268	12345	1	896790
	RF1-2	BUILT UP SECTION	2	10' 7-5/8"	154.0	308	12345	2	896790
	RF2-1	BUILT UP SECTION	1	8' 3-7/16"	126.0	126	12345	3	896790
C126946		BUILDING SERVICE	0x0x0			190			
	EC-1	ENDWALL COLUMN BX35C16	2	9' 10-15/16"	27.5	55	12345	8	896790
	EC-2	ENDWALL COLUMN BX35C16	2	11' 6-7/16"	33.3	67	12345	9	896790
	ER-1	ENDWALL RAFTER BX36C14	2	5' 9-5/8"	25.1	50	12345	10	896790
	ER-2	ENDWALL RAFTER SX25C14	2	5' 9-5/8"	25.1	50	12345	11	896790
PA12E9697B4		28ga PBR DESERT SAND PANEL BMP	17x0x0			222			
	LEFT ENDWALL	26GA PBR ENDWALL PANEL	2	14' 9-1/2"	38.5	79	12345	36	896790
	LEFT ENDWALL	26GA PBR ENDWALL PANEL	2	13' 9-1/2"	37.0	74	12345	39	896790
	LEFT ENDWALL	26GA PBR ENDWALL PANEL	2	13' 9-1/2"	34.8	69	12345	41	896790
C127443-BUNDLE ZEE		BUNDLE ZEE	0x0x0			195			
	G-1	ZEE 8 X 2-3/8 X 2-1/8 16GA RED OXIDE	4	4' 7-1/2"	12.7	51	12345	17	896790
	G-2	ZEE 8 X 2-3/8 X 2-1/8 16GA RED OXIDE	2	12' 7-1/2"	35.0	70	12345	18	896790
	G-3	ZEE 8 X 2-3/8 X 2-1/8 16GA RED OXIDE	4	4' 3-1/2"	11.7	47	12345	19	896790
	G-4	ZEE 8 X 2-3/8 X 2-1/8 16GA RED OXIDE	1	8' 1-1/2"	22.0	22	12345	20	896790
C127088-WAREHOUSE		WAREHOUSE BOX 1	0x0x0			223			
		R PANEL OUTSIDE CLOSURE STRIP 36"	22		0.0	1	12345	81	896790
		TUBE CAULKING SILICONE CLEAR 10.3 OZ TUBE	14		1.1	15	12345	83	896790
		12 X 1-1/4 SELF DRILLING CARBON SCREW LIGHT STONE	750		0.0	15	12345	91	896790
C126431-trim box 1		trim box 1	21x0x0			146			
		FL-31 26GA EAVE TRIM - (ALL PANELS) - LIGHT STONE BMP	2	20' 3"	13.8	27	12345	59	896790
		FL-21 26GA SCULTURE RAKE END - ("R PANEL) LIGHT STONE BMP	4	18' 3"	22.2	89	12345	60	896790
		FL-10 26GA CORNER TRIM - OUTSIDE ("R" AND "A" PANEL) DESERT SAND BMP	4	10' 0"	8.2	33	12345	63	896790

PACKING LIST EXAMPLE

STRAIGHT BILL OF LADING - SHORT FORM - ORIGINAL - NOT NEGOTIABLE

DATE	CARRIER	BILL OF LADING #
10/07/11	JOE TRUCKING	54321

SHIPPER AND ORIGIN	CONSIGNEE AND DESTINATION
ABC BUILDINGS 17812 BROWN RD HOUSTON, TX	BOBS BUILDING c/o LARRY UNDERWOOD 3387 DELTA RD HUEYTOWN, AL 35023 County of:

Route:
Phase: Load:
Trailer # 50682
Tracking #
Freight PO# 41433

Order # 12345 Ship Status:
Order Type: ABC Building
Addl Order #s

COD AMOUNT: $0.00

FOR FREIGHT COLLECT SHIPMENTS: Subject to section 7 of conditions of applicable Bill of Lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and other lawful charges.

# PACKAGES	KIND OF PACKAGES, DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	WEIGHT	CLASS OR RATE
1	LOT MISC. BUILT UP / STRUCTURAL / COLD FORM / PANEL / TRIM / CANOPY / 2 BUNDLES OF RED & GALV ANGLE	35250	

Carrier: Print Name:
Tractor #:
TOTAL WEIGHT (LBS) 35,350

RECEIVED, subject to the classifications and the tariffs in effect on the date of issue of the Bill of Lading, the property described above is in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated above, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery as said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any part of said property over all or any portion of said route to destination and as to each party at any time interested in all or any part of said property that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Straight Bill of Lading set forth: (1) in the National Motor Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Any alteration, addition, or erasure in the bill of lading shall be made with the special notation hereon of the party assenting this Bill of Lading, shall be without effect in the absence of such notation, and this Bill of Lading shall be enforceable according to its original tenor.

THIS MATERIAL MUST BE DELIVERED BY:
Receiver Signature: Date Picked Up: Time:

The property described above is in apparent good order, except as noted (contents and condition of packages unknown), marked, labeled, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Consignee's Signature: Date:

BILL OF LADING EXAMPLE

COLD FORM AND PANEL LABEL

Customer: ABC CONSTRUCTION
Customer PO Number: 07522
Carton ID: PA12E9697B4
Job Number: 12345

PART NAME	DESCRIPTION	LENGTH	QTY
LEFT ENDWALL	26 GA. PBR SIDEWALL PANEL	14' 9-1/2"	2
LEFT ENDWALL	26 GA. PBR SIDEWALL PANEL	13' 9-1/2"	2
LEFT ENDWALL	26 GA. PBR SIDEWALL PANEL	12' 9-1/2"	2

TRIM PIECE LABEL

Piece Mark: FL-31
Job Number: 12345
Length: 20' 1"
Line Number: L-59

TRIM BUNDLE AND WAREHOUSE LABEL

Carton ID: C126431
Customer: ABC CONSTRUCTION
Job Number: 12345

BUILT UP, STRUCTURAL AND FAB. COLD FORM LABEL

Job Number: 12345
Piece Mark: RF1-1

BUNDLE LABEL EXAMPLES

PIECE LABEL EXAMPLES

4/14/25

DSN. APR.
APR. DATE

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

FRED F. RADFAR P.E.
30 WINDERMERE LANE
HOUSTON, TEXAS 77063
fred@radfarpe.com
North Carolina Licence #010295
Exp. 12/31/2025

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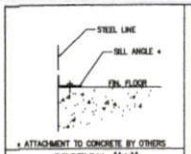
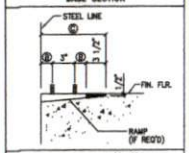
DESCRIPTION	NOTES PAGE	SIZE	REFER TO C1
DRAWN BY / PROJECT	William McPhail 50x60	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318

DRAWN BY	CHK'D BY	DATE	SCALE	JOB NO.	PN	BLDG. DESC.	SHEET NO.	ISSUE
MLB	FR	4/10/25	N.T.S.	205715			C2 of 2	0

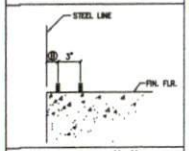


* ATTACHMENT TO CONCRETE BY OTHERS

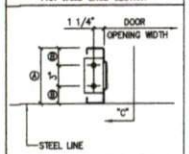
SECTION "A"
BASE SECTION



SECTION "B"
OVERHEAD DOOR BASE SECTION

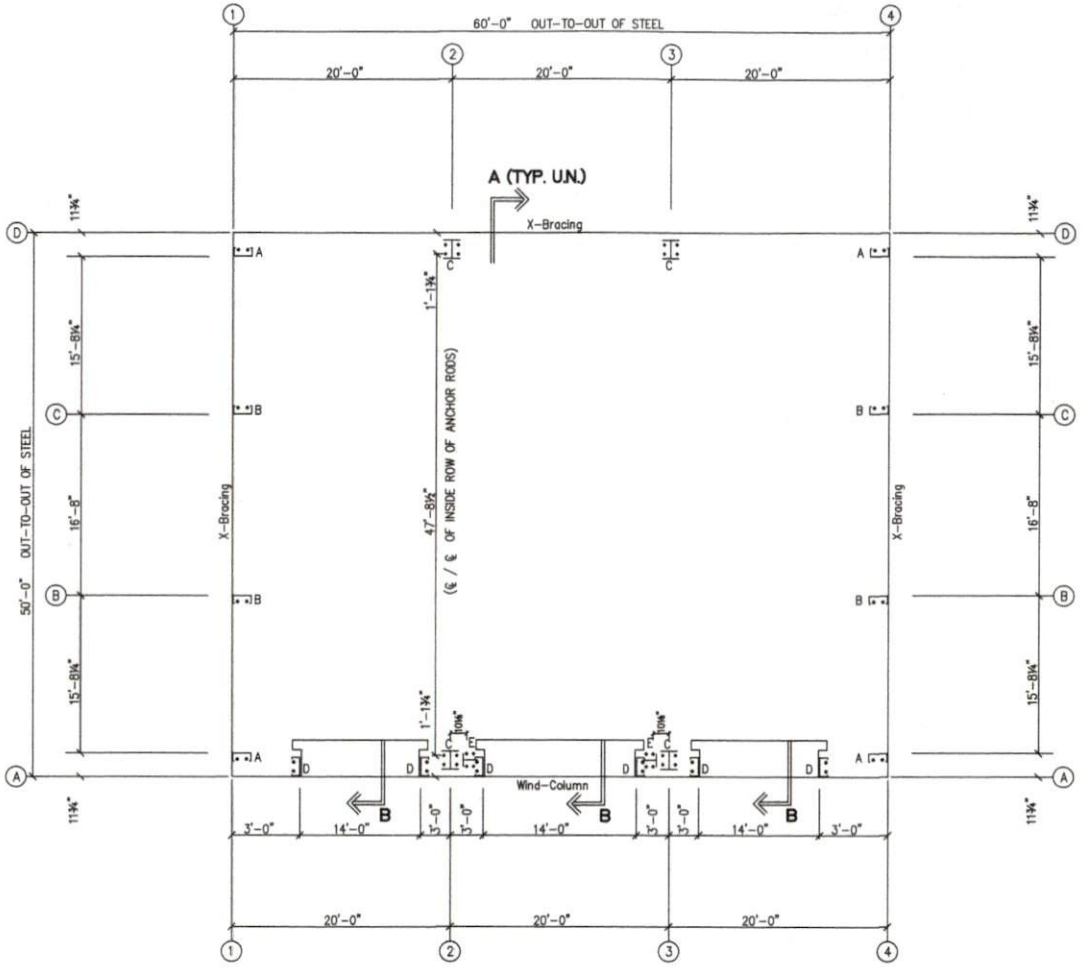


SECTION "C"
F.O. JAMB BASE SECTION

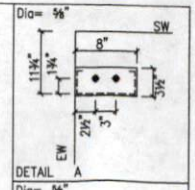


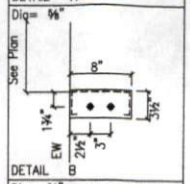
WALKDOOR BASE PLATE DETAIL
A RODS 1/2" ø BASE E THK. 1/4"

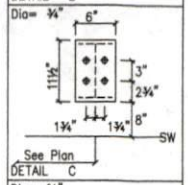
Ort Width	Walk Door Frame Ⓐ	Dim. Ⓑ	Ramp Width Ⓒ
8'	8"	2 1/2"	11 1/2"
10'	10"	3 1/2"	1'-1 1/2"
12'	12"	4 1/2"	1'-3 1/2"

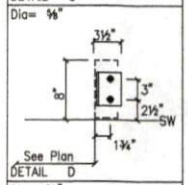


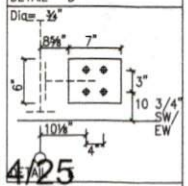
ANCHOR ROD PLAN
NOTE: All Base Plates @ 100'-0" (FINISH FLOOR)(UNLESS NOTED)











4/14/25

DSN. APR.		APR. DATE	

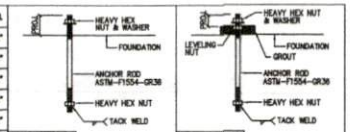
NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

ANCHOR RODS HAVE BEEN DESIGNED FOR SHEAR AND TENSION LOADS ONLY, PER APPENDIX D OF ACI 318-14.

DESIGN OF SHEAR ANGLES, TENSION PLATES, HAIRPINS, AND ANY OTHER EMBEDDED MATERIAL IN THE CONCRETE SHALL BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER AND PROVIDED BY OTHERS.

ANCHOR ROD PROJECTION IS FROM BOTTOM OF BASE PLATE, UNLESS GROUT IS REQUIRED.

DIA.	PROJ.
1/2"	1 1/2"
5/8"	2"
3/4"	2 1/2"
7/8"	3 1/2"
1"	3 1/2"
1 1/4"	3 1/2"



ANCHOR RODS (BY OTHERS)

FRED F. RADFAR P.E.
30 WINDERMERE LANE
HOUSTON, TEXAS 77063
fred@radfarpe.com
North Carolina Licence #010295
Exp. 12/31/2025

DRAWING STATUS

- ☐ FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
- ☐ FOR PERMIT: THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL, IN THAT, AS A MINIMUM, PIECE MARKINGS ARE NOT IDENTIFIED. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
- ☒ FOR CONSTRUCTION: FINAL DRAWINGS.

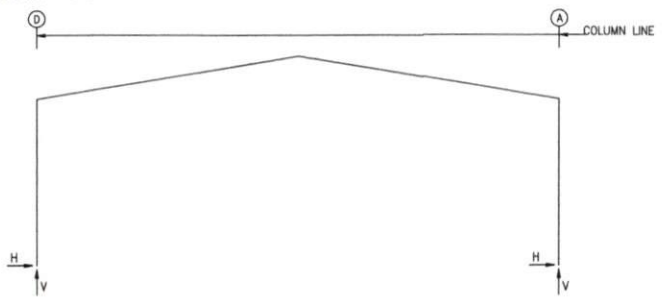
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	4/10/25	PERMIT FOR CONSTRUCTION	MLB	MLB

INLAND BUILDINGS
2141 SECOND AVENUE S.W. CULLMAN, AL. 35055
PHONE: 800.438.1606
FAX: 800.438.1626
www.inlandbuildings.com

DESCRIPTION	ANCHOR ROD PLAN	SIZE	REFER TO C1
JOB OR PROJECT	William McPhail 50x80	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318
CAD BY	MLB	DRWN BY	FR
DATE	4/10/25	SCALE	N.T.S.
JOB NO.	205715	PH	
REV. DESC.		SHEET NO.	F1 of 2
REV.	0		

FRAME LINES: 2 3



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	0.2	0.4	0.0	1.4	0.5	0.0	−1.7	0.0	−1.3	0.0	−1.0	0.0	−0.6
1	C	0.6	0.9	0.1	3.7	1.4	−1.6	−6.4	0.0	−0.9	−1.6	−5.1	0.0	0.3
1	B	0.6	0.9	0.1	3.7	1.4	0.0	−0.9	1.6	−6.4	0.0	0.3	1.6	−5.1
1	A	0.2	0.4	0.0	1.4	0.5	0.0	−1.3	0.0	−1.7	0.0	−0.6	0.0	−1.0

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 Vert	−MIN_SNOW− Horz	−MIN_SNOW− Vert
1	D	−1.3	1.4	0.0	−2.1	0.0	−1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1	C	−2.8	3.1	−0.1	−3.8	−0.4	−3.0	−0.4	−0.4	0.0	0.4	0.0	0.0	1.8
1	B	−2.8	3.1	0.4	−3.0	−0.1	−3.8	0.0	0.4	0.4	−0.4	0.0	0.0	1.8
1	A	−1.3	1.4	0.0	−1.3	0.0	−2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7

Frm Line	Col Line	E1UNB_SL_L− Horz	E1UNB_SL_L− Vert	E1UNB_SL_R− Horz	E1UNB_SL_R− Vert
1	D	0.0	0.5	0.0	0.1
1	C	0.0	1.8	0.0	0.6
1	B	0.0	0.6	0.0	1.8
1	A	0.0	0.1	0.0	0.5

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
4	A	0.2	0.4	0.0	1.4	0.5	0.0	−1.7	0.0	−1.3	0.0	−1.0	0.0	−0.6
4	B	0.6	0.9	0.1	3.7	1.4	−1.6	−6.4	0.0	−0.9	−1.6	−5.1	0.0	0.3
4	C	0.6	0.9	0.1	3.7	1.4	0.0	−0.9	1.6	−6.4	0.0	0.3	1.6	−5.1
4	D	0.2	0.4	0.0	1.4	0.5	0.0	−1.3	0.0	−1.7	0.0	−0.6	0.0	−1.0

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 Vert	−MIN_SNOW− Horz	−MIN_SNOW− Vert
4	A	−1.3	1.4	0.0	−2.1	0.0	−1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7
4	B	−2.8	3.1	−0.1	−3.8	−0.4	−3.0	−0.4	−0.4	0.0	0.4	0.0	0.0	1.8
4	C	−2.8	3.1	0.4	−3.0	−0.1	−3.8	0.0	0.4	0.4	−0.4	0.0	0.0	1.8
4	D	−1.3	1.4	0.0	−1.3	0.0	−2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7

Frm Line	Col Line	E2UNB_SL_L− Horz	E2UNB_SL_L− Vert	E2UNB_SL_R− Horz	E2UNB_SL_R− Vert
4	A	0.0	0.5	0.0	0.1
4	B	0.0	1.8	0.0	0.6
4	C	0.0	0.6	0.0	1.8
4	D	0.0	0.1	0.0	0.5

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

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1	D	7	0.9	−0.2	8	−0.8	−1.1	2	0.625	3.500	8.000	0.375	0.0
		1	0.0	2.0	9	0.8	−1.1						
1	C	7	1.8	0.5	8	−1.7	−1.9	2	0.625	3.500	8.000	0.375	0.0
		1	0.1	5.2	10	1.8	−3.5						
1	B	11	1.8	0.5	12	−1.7	−1.9	2	0.625	3.500	8.000	0.375	0.0
		1	0.1	5.2	13	1.8	−3.5						
1	A	11	0.9	−0.2	12	−0.8	−1.1	2	0.625	3.500	8.000	0.375	0.0
		1	0.0	2.0	14	0.8	−1.1						
4	A	7	0.9	−0.2	8	−0.8	−1.1	2	0.625	3.500	8.000	0.375	0.0
		1	0.0	2.0	9	0.8	−1.1						
4	B	7	1.8	0.5	8	−1.7	−1.9	2	0.625	3.500	8.000	0.375	0.0
		1	0.1	5.2	10	1.8	−3.5						
4	C	11	1.8	0.5	12	−1.7	−1.9	2	0.625	3.500	8.000	0.375	0.0
		1	0.1	5.2	13	1.8	−3.5						
4	D	11	0.9	−0.2	12	−0.8	−1.1	2	0.625	3.500	8.000	0.375	0.0
		1	0.0	2.0	14	0.8	−1.1						

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horz	Dead Vert	Collateral Horz	Collateral Vert	Live Horz	Live Vert	Snow Horz	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert
2*	D	0.6	1.6	1.2	2.5	2.8	6.0	1.8	3.8	−6.0	−9.6	−0.2	−6.2
2*	A	−0.6	1.6	−1.2	2.5	−2.8	6.0	−1.8	3.9	0.2	−6.2	6.0	−9.6

Frame Line	Column Line	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seismic_Left Horz	Seismic_Left Vert	Seismic_Right Horz	Seismic_Right Vert
2*	D	−5.7	−5.7	0.1	−2.3	−1.0	−11.2	−1.6	−9.8	−0.3	−0.2	0.3	0.2
2*	A	−0.1	−2.3	5.7	−5.7	1.6	−35.7	1.0	−37.1	−0.3	0.2	0.3	−0.2

Frame Line	Column Line	Seismic_Long Horz	Seismic_Long Vert	MIN_SNOW Horz	MIN_SNOW Vert	F1UNB_SL_L Horz	F1UNB_SL_L Vert	F1UNB_SL_R Horz	F1UNB_SL_R Vert
2*	D	0.0	−0.7	2.3	5.0	1.6	3.8	1.6	2.3
2*	A	0.0	−18.2	−2.3	5.0	−1.6	2.3	−1.6	3.8

2* Frame lines: 2 3

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	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
2*	D	1	4.6	10.2	2	−3.2	−4.8	4	0.750	6.000	11.50	0.625	0.0
					4	−0.2	−5.7						
2*	A	3	3.2	−4.8	1	−4.6	10.2	4	0.750	6.000	11.50	0.625	0.0
		6	−4.0	18.3	5	0.2	−21.3						

2* Frame lines: 2 3

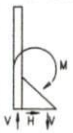
NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	50.0
Length (ft)	=	80.0
Eave Height (ft)	=	16.0/ 16.0
Roof Slope (rise/12)	=	2.0/ 2.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	5.0
Roof Live Load(psf)	=	20.0
Frame Live Load(psf)	=	12.0
Snow Load (psf)	=	7.7
Wind Speed (mph)	=	120.0
Wind Code	=	NCBC 18 (IBC 15)
Exposure	=	B
Closure	=	Enclosed
Importance Wind	=	N/A
Importance Seismic	=	1.00
Seismic Zone	=	C
Seismic Coeff (Sms)	=	0.29

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Long1L
5	0.6Dead+0.6Wind_Long2L
6	1.02Dead+1.02Collateral+0.75Live+0.53Seismic_LongR
7	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
8	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
9	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
10	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
11	0.6Dead+0.6Wind_Left2+0.6Wind_Suction
12	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
13	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
14	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L

WIND COLUMN REACTIONS



Wall Loc	Col Line	Col Line	R/L	Load_ID	± Reactions Horz (k)	± Reactions Vert (k)	Moment (f-k)	Anc_Bolt Qty	Anc_Bolt Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick
F_SW	A	2	R	Wind	1.9	28.6	28.6	4	0.750	6.000	7.000	0.6250
				Seismic	1.2	18.2	18.2					
F_SW	A	3	L	Wind	1.9	28.6	28.6	4	0.750	6.000	7.000	0.6250
				Seismic	1.2	18.2	18.2					

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Panel_Shear (lb/ft) Seis	Note
L_EW	1	C,B	1.6	1.8	0.4	0.4			
F_SW	A	2							(g)
		3							(g)
R_EW	4	B,C	1.6	1.8	0.4	0.4			
B_SW	D	3,2	3.7	2.7	1.0	0.7			

(g)Wind column at column line

Reactions for seismic represent shear force, Eh
Reaction values shown are unfactored

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HOUSTON, TEXAS 77063
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Exp. 12/31/2025

4/14/25

DSN.		APR.	
APR.		DATE	

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

DRAWING STATUS

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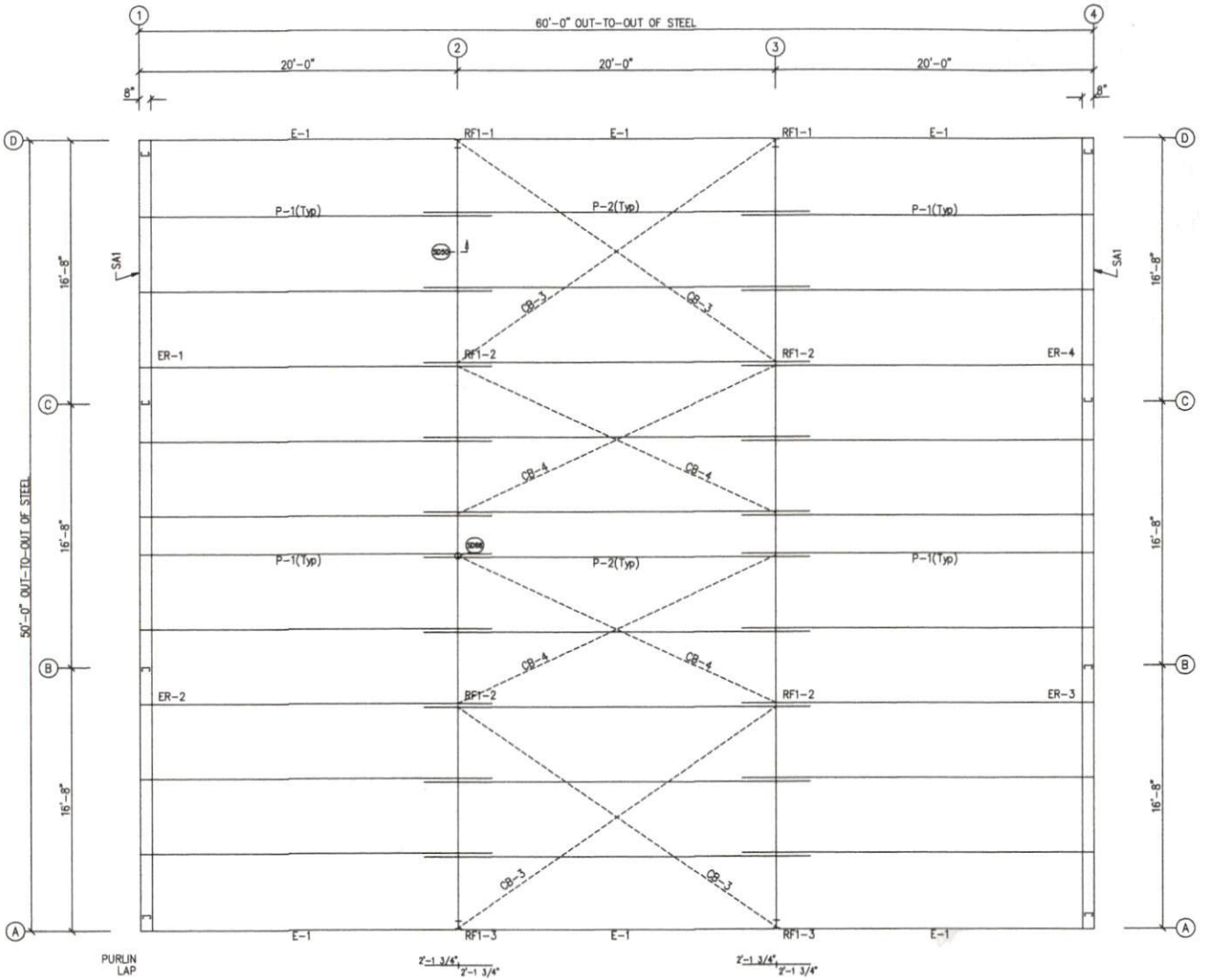
REVISIONS NO.	DATE	DESCRIPTION	BY	CK'D
0	4/10/25	PERMIT FOR CONSTRUCTION	MLB	MLB

INLAND BUILDINGS
2141 SECOND AVENUE S.W. CULLMAN, AL. 35055
PHONE: 800.438.1606
FAX: 800.438.1628
www.inlandbuildings.com

DESCRIPTION	REACTIONS	SIZE	REFER TO C1
DRAWN BY / REVISED	William McPhail 50x80	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318
CAD BY	DRWN BY	DATE	SCALE
MLB	FR	4/10/25	N.T.S

JOB NO. 205715 | PH | REINF. DESIG. | SHEET NO. F2 of 2 | ISSUE 0

MEMBER TABLE ROOF PLAN	
MARK	PART
P-1	8X25Z16
P-2	8X25Z16
E-1	8.25E14
CB-3	CB0250
CB-4	CB0250



ROOF FRAMING PLAN

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HOUSTON, TEXAS 77063
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North Carolina Licence #010295
Exp. 4/14/25

DSN. APR.		APR. DATE	

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

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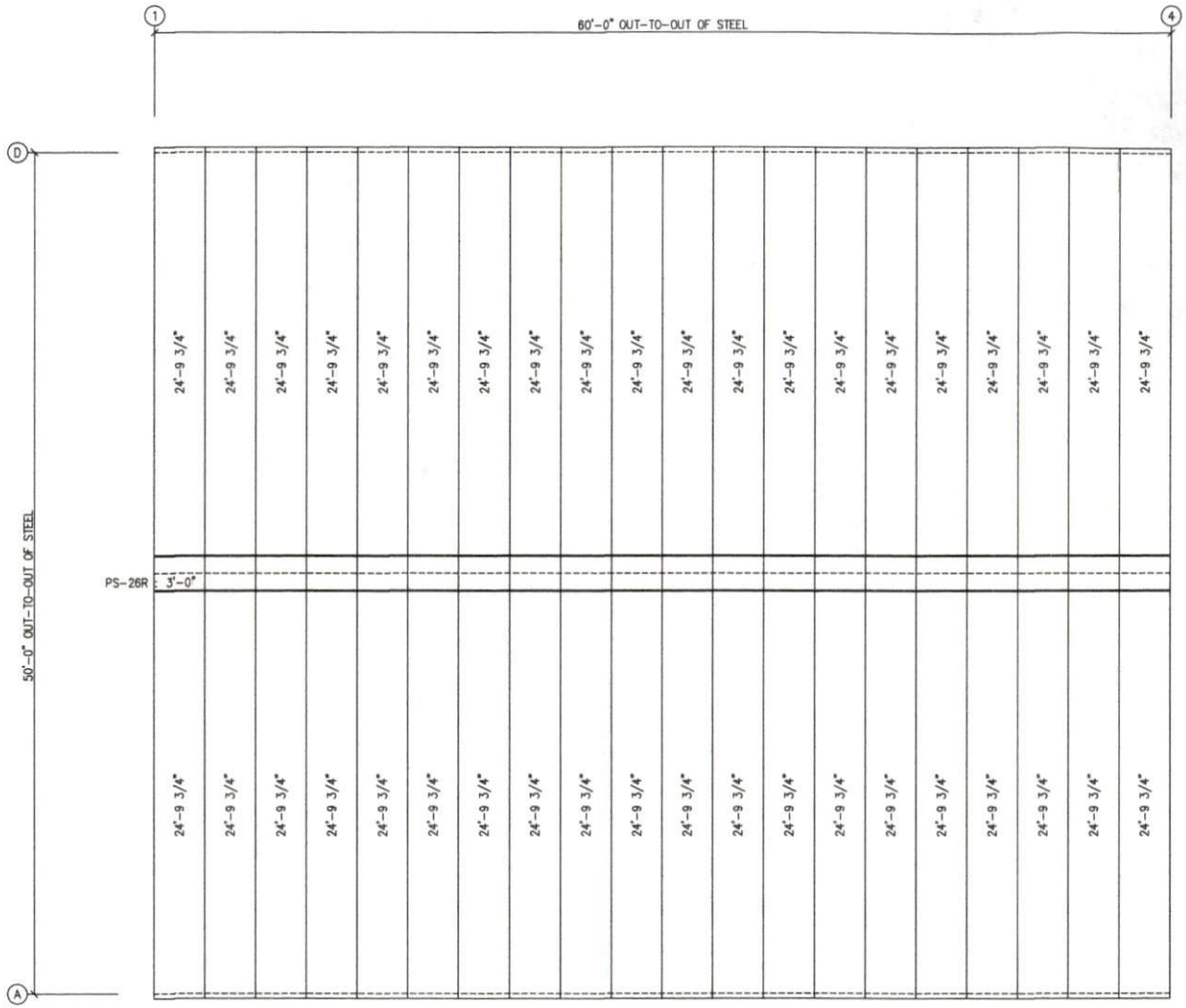
INLAND BUILDINGS
2141 SECOND AVENUE S.W. CULLMAN, AL. 35055
PHONE: 800.438.1606
FAX: 800.438.1928
www.inlandbuildings.com

DESCRIPTION	ROOF FRAMING	SIZE	REFER TO C1
DRAWN BY / PROJECT	William McPhail 50x60	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318
CAD BY	MLB	ENTR BY	FR
DATE	4/10/25	SCALE	N.T.S.
JOB NO.	205715	PH	
MAN. DOC. NO.		SHEET NO.	E1 of 7
ISSUE	0		



ROOF SHEETING PLAN

PANELS: 26 Ga. PBR – Charcoal Gray UL-90

4/14/25

DSN. APR. | APR. DATE

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

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REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	4/10/25	PERMIT FOR CONSTRUCTION	MLB	MLB

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PHONE: 800.438.1606
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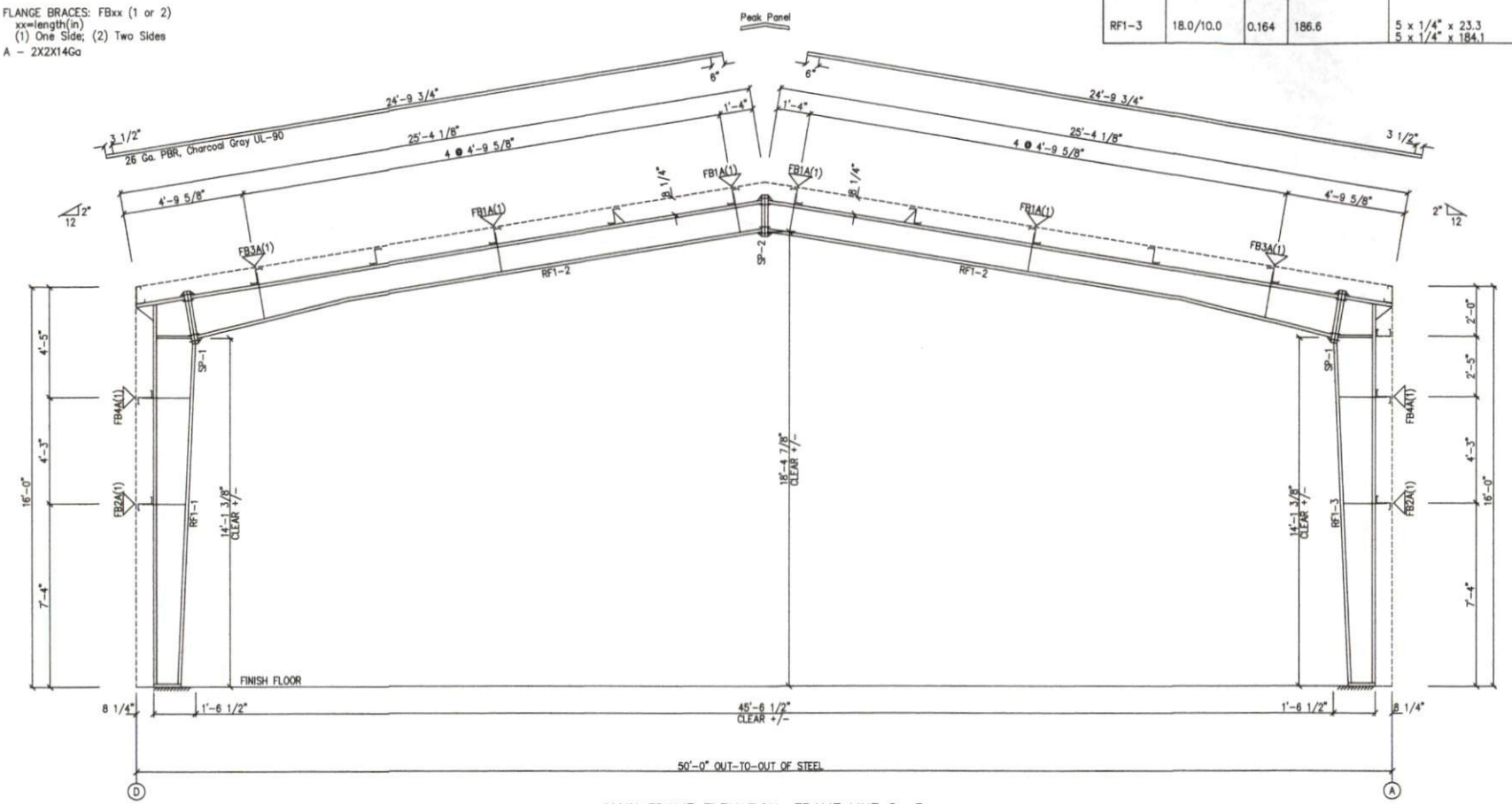
DESCRIPTION	ROOF SHEETING	SIZE	REFER TO C1
DRAWN BY PROJECT	William McPhail 50x80	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318
CAD BY	MLB	DWN BY	FR
DATE	4/10/25	SCALE	N.T.S.
JOB NO.	205715	PH	
BLDG. DESC.		SHEET NO.	E2 of 7
ISSUE	0		

SPLICE PLATE & BOLT TABLE									
Mark	Qty Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	0	A325	5/8"	1 3/4"	6"	3/8"	2'-0 3/4"
SP-2	4	4	0	A325	5/8"	1 3/4"	6"	3/8"	1'-6 15/16"

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	10.0/18.0	0.164	186.6	5 x 1/4" x 184.1 5 x 1/4" x 23.3	5 x 1/4" x 165.7
RF1-2	18.0/12.0 12.0/12.0	0.164 0.135	76.1 203.6	5 x 1/4" x 279.7	5 x 1/4" x 76.4 5 x 1/4" x 201.5
RF1-3	18.0/10.0	0.164	186.6	5 x 1/4" x 23.3 5 x 1/4" x 184.1	5 x 1/4" x 165.7

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



MAIN FRAME ELEVATION: FRAME LINE 2 3

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

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fred@radfarpe.com

North Carolina Licence #010295
Exp. 12/31/2025

DRAWING STATUS

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- ☒ FOR CONSTRUCTION: FINAL DRAWINGS.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CK'D
0	4/10/25	PERMIT FOR CONSTRUCTION	MLB	MLB

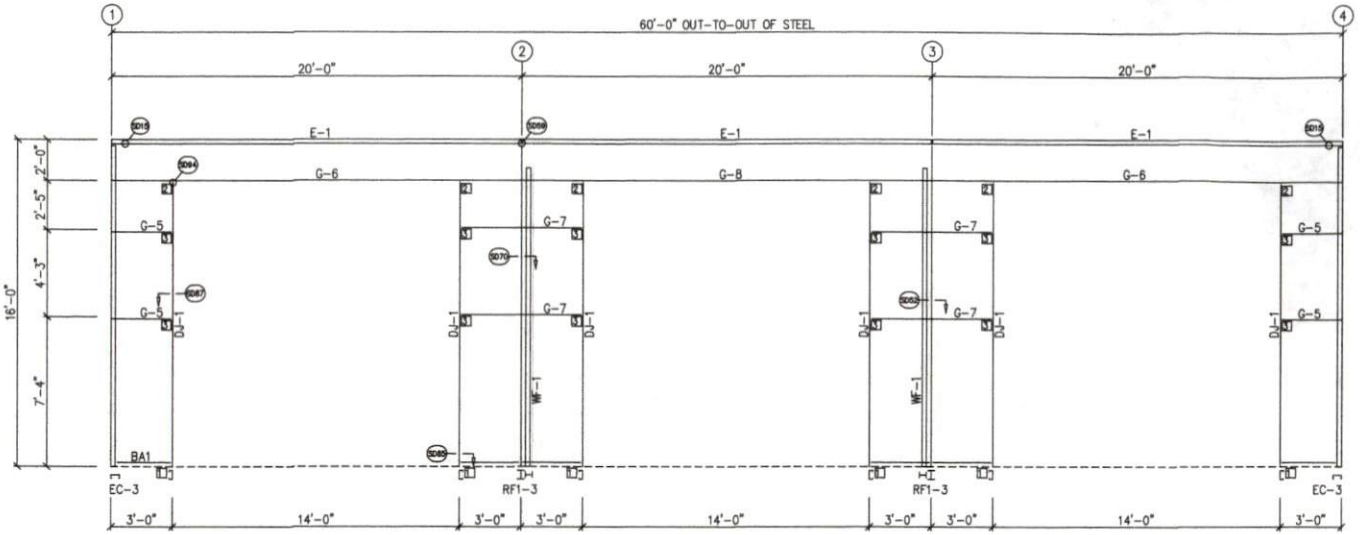
INLAND BUILDINGS
2141 SECOND AVENUE S.W. CULLMAN, AL. 35055
PHONE: 800.438.1606
FAX: 800.438.1628
www.inlandbuildings.com

DESCRIPTION	CROSS SECTION	SIZE	REFER TO C1
OWNER OF PROJECT	William McPhail 50x60	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318
CAD BY	MLB	ENTER BY	FR
DATE	4/10/25	SCALE	N.T.S.
JOB NO.	205715	SHEET NO.	E3 of 7
ISSUE	0		

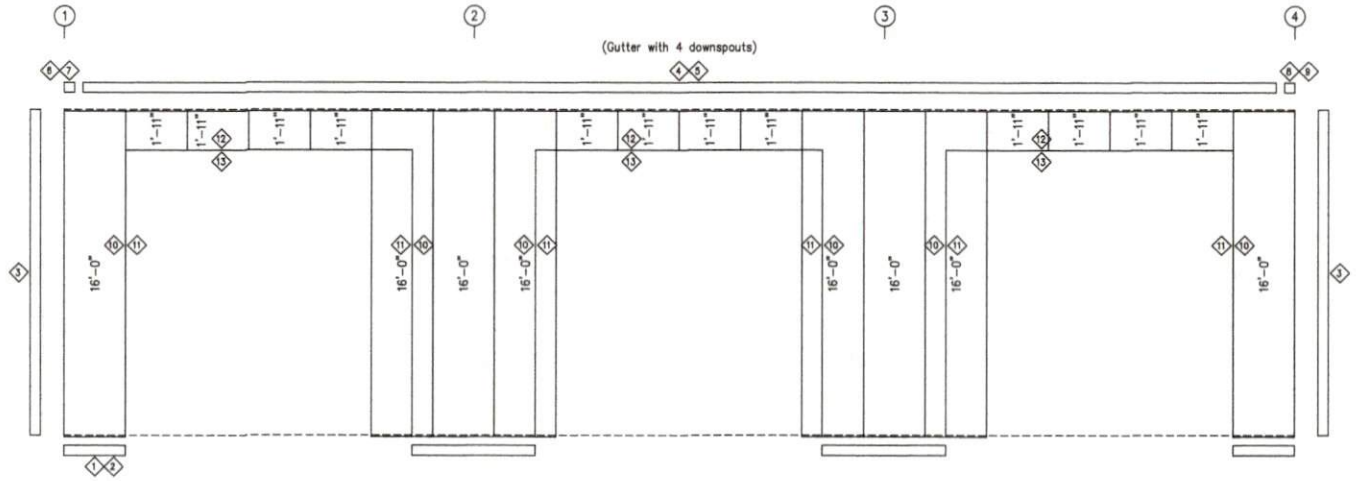
4/14/25

DSN. APR.		APR. DATE	

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR – Light Stone

TRIM TABLE FRAME LINE A				
◇ID	QUAN	PART	LENGTH	DETAIL
1	*	FL-60	SCRAP	SD74
2	1	FL-60	20'-2"	SD74
3	1	FL-110	16'-0"	TD40
4	2	FL-170	20'-2"	TD515
5	3	FL-31	20'-2"	
6	1	FL-170L	11'-2"	
7	1	FL-183L	8"	TD88
8	1	FL-170R	11'-2"	TD595
9	1	FL-183R	8"	
10	1	FL-55	14'-2"	
11	1	FL-48	14'-3"	TD51
12	1	FL-55	14'-4"	
13	1	FL-52	14'-4"	TD52

BOLT TABLE FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – RF1-3	8	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE A	
MARK	PART
WF-1	W12X16
DJ-1	8X35C16
E-1	8.25E14
G-5	8X25Z16
G-6	8X25C16
G-7	8X25Z16
G-8	8X25C16

CONNECTION PLATES FRAME LINE A	
ID	MARK/PART
1	CL-104
2	CL-100
3	CL-103

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 (IF USED) TO BE FIELD MITERED AT CORNERS.
FIELD SLOT GIRTS AS REQUIRED FOR CABLE BRACE CLEARANCE.

DRAWING STATUS

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North Carolina Licence #010295

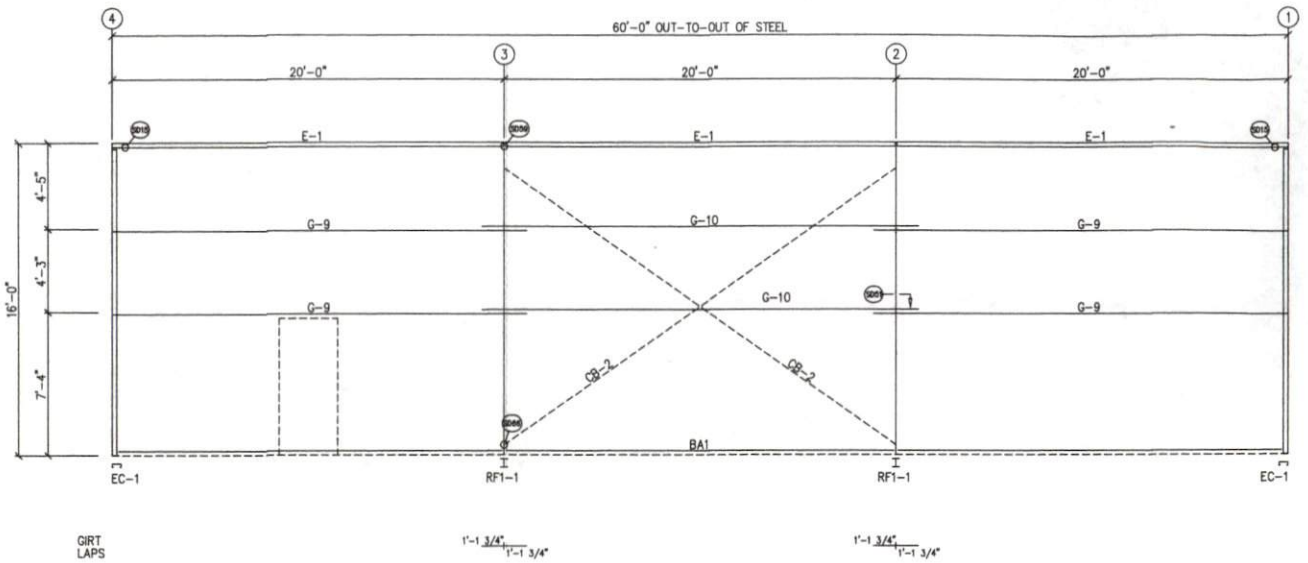
4/14/25

DSN. APR.		APR. DATE	

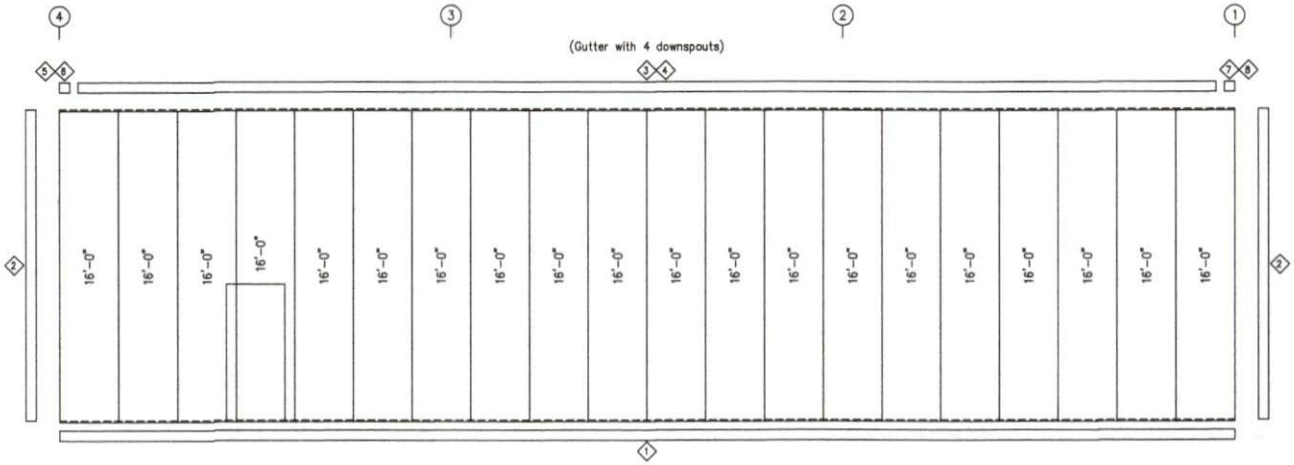
NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

INLAND BUILDINGS
2141 SECOND AVENUE S.W. CULLMAN, AL. 35055
PHONE: 800.438.1606
FAX: 800.438.1626
www.inlandbuildings.com

DESCRIPTION	SIDEWALL ELEVATION	SIZE	REFER TO C1
PROJECT ID	William McPhail 50x80	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318
CAD BY	MLB	CHCK BY	FR
DATE	4/10/25	SCALE	N.T.S.
JOB NO.	205715	SHEET NO.	E4 of 7
BLDG.	0		



SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D

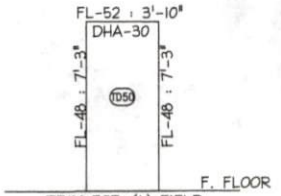
PANELS: 26 Ga. PBR – Light Stone

TRIM TABLE
FRAME LINE D

QTY	QUAN	PART	LENGTH	DETAIL
1	3	FL-60	20'-2"	SD74
2	1	FL-110	16'-0"	TD40
3	2	FL-170	20'-2"	TD515
4	3	FL-31	20'-2"	
5	1	FL-170L	11'-2"	
6	1	FL-183L	8"	TD88
7	1	FL-170R	11'-2"	TD595
8	1	FL-183R	8"	

MEMBER TABLE
FRAME LINE D

MARK	PART
E-1	8.25E14
G-9	8X25Z16
G-10	8X25Z16
CB-2	CB0250



TRIM FOR (1) FIELD
LOCATED 3070 PA WALK DOOR

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 (IF USED) TO BE FIELD MITERED AT CORNERS.
FIELD SLOT GIRTS AS REQUIRED FOR CABLE BRACE CLEARANCE.

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Exp. 12/31/25

4/14/25

DSN. APR. | APR. DATE

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

DRAWING STATUS

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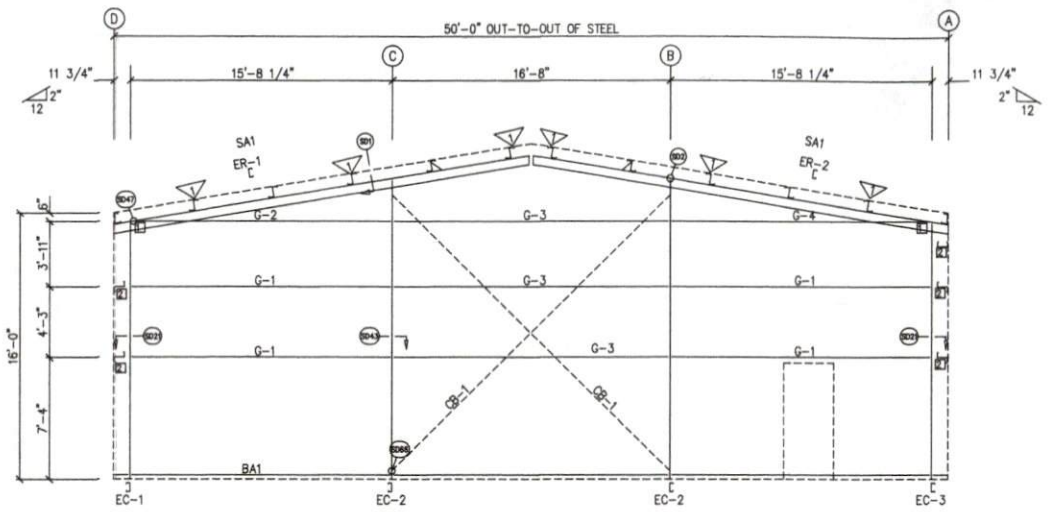
REVISIONS

NO.	DATE	DESCRIPTION	BY	CK'D
0	4/10/25	PERMIT FOR CONSTRUCTION	MLB	MLB

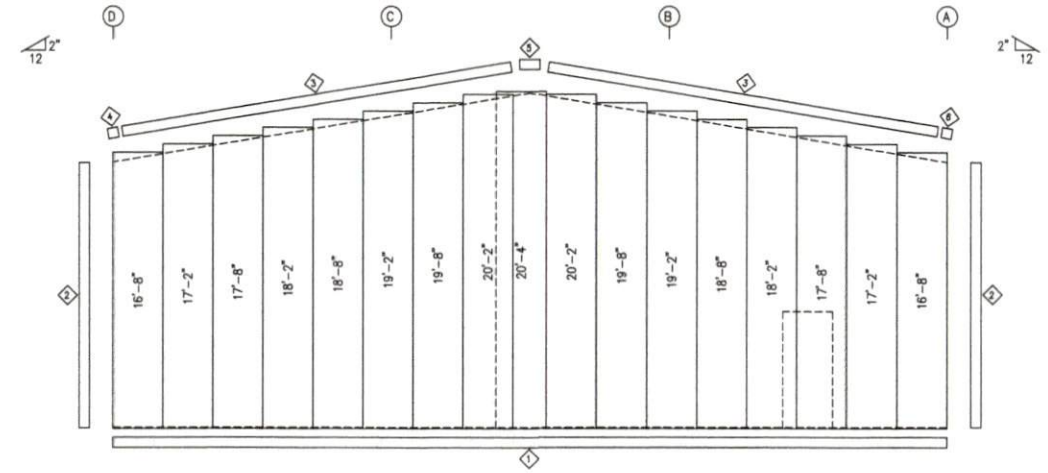
INLAND BUILDINGS
2141 SECOND AVENUE S.W. CULLMAN, AL. 35055
PHONE: 800.438.1806
FAX: 800.438.1628
www.inlandbuildings.com

DESCRIPTION	SIDEWALL ELEVATION	SIZE	REFER TO C1
SERVICE OR PROJECT	William McPhail 50x60	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS	ADDRESS	1478 CARROLL STORE ROAD
	DUNN, NC 28334-5777		AUTRYVILLE, NC 28318

CAD BY	DRW BY	DATE	SCALE	JOB NO.	PN	BSE	DSC	SHEET NO.	ISSUE
MLB	FR	4/10/25	N.T.S.	205715				E5 of 7	0



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBR – Light Stone

TRIM TABLE
FRAME LINE 1

◇ID	QUAN	PART	LENGTH	DETAIL
1	3	FL-60	20'-2"	SD74
2	1	FL-110	16'-0"	TD40
3	1	FL-175	15'-5"	TD535
4	1	FL-175L	11'-2"	TD302
5	1	FL-180	1'-4"	
6	1	FL-175R	11'-2"	TD88

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 3/4"
Columns/Rat	2	A325	5/8"	1 1/4"

FLANGE BRACE TABLE
FRAME LINE 1

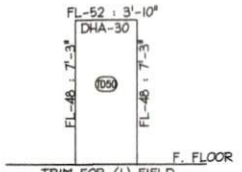
VID	MARK	LENGTH
1	FB5A	2'-10"

CONNECTION PLATES
FRAME LINE 1

□ID	MARK/PART
1	CL-110
2	CL-5

MEMBER TABLE
FRAME LINE 1

MARK	PART
EC-1	8X35C14
EC-2	8X35C12
EC-3	8X35C14
ER-1	8X35C12
ER-2	8X35C12
G-1	8X25Z16
G-2	8X25Z16
G-3	8X25Z16
G-4	8X25Z16
CB-1	CB0250



TRIM FOR (1) FIELD
LOCATED 3070 PA WALK DOOR

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30 WINDERMERE LANE
HOUSTON, TEXAS 77063
fred@radfarpe.com
N[illegible] Licence #010295
EXP: 12/31/2025

DSN. APR. | APR. DATE

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

GENERAL NOTES:
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BEVELCUT ENDWALL PANELS AS REQUIRED.
FIELD SLOT GIRTS AS REQUIRED FOR CABLE BRACE CLEARANCE.

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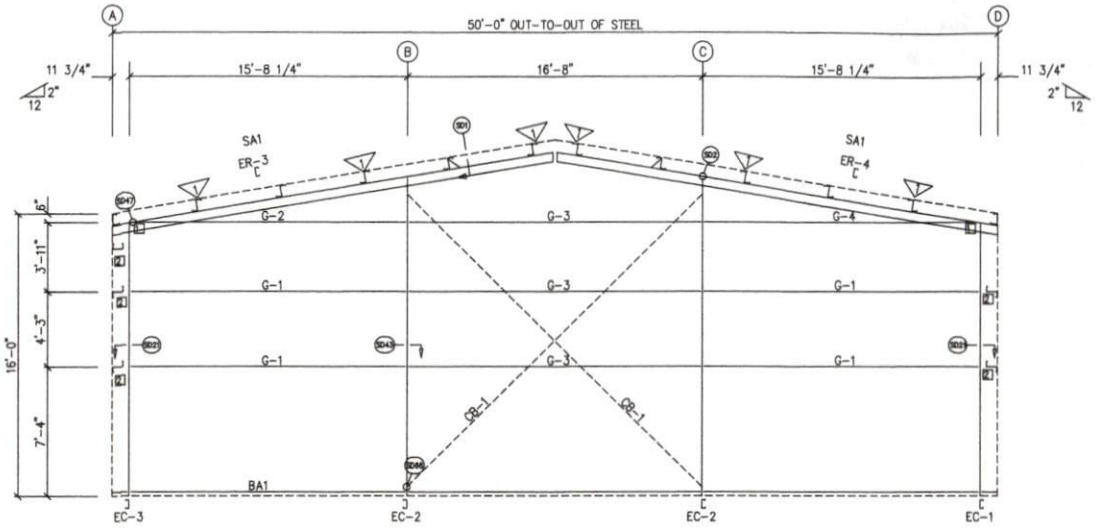
REVISIONS

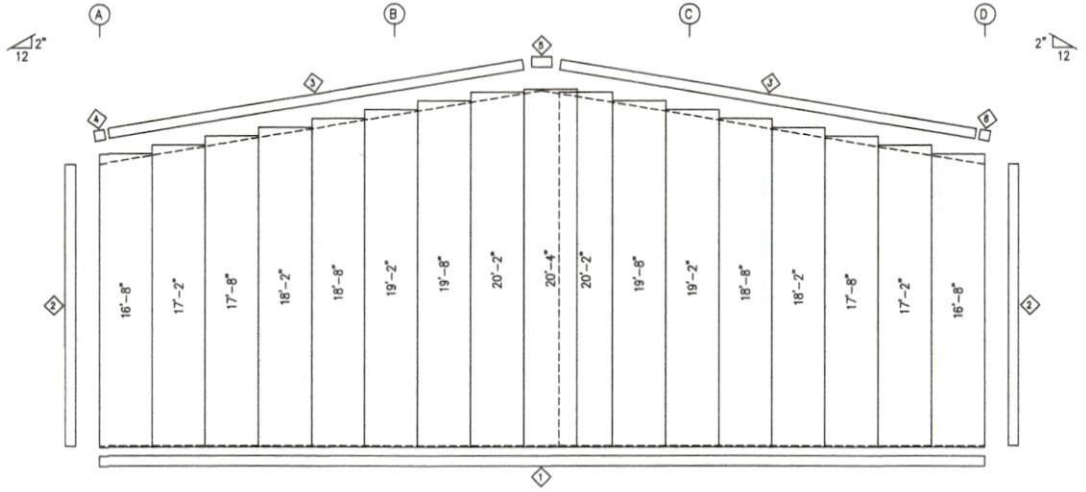
NO.	DATE	DESCRIPTION	BY	CKD
0	4/10/25	PERMIT FOR CONSTRUCTION	MLB	MLB

INLAND BUILDINGS
2141 SECOND AVENUE S.W. CULLMAN, AL. 35055
PHONE: 800.436.1606
FAX: 800.436.1626
www.inlandbuildings.com

DESCRIPTION	ENDWALL ELEVATION	SIZE	REFER TO C1
PROJECT OR PROSPECT	William McPhail 50x60	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318
DRAWN BY	MLB
CHECKED BY	FR
DATE	4/10/25
SCALE	N.T.S.
JOB NO.	205715
PK	
BLDG. NO.	
DESC.	
SHEET NO.	E6 of 7
ISSUE	0



ENDWALL FRAMING: FRAME LINE 4



ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. PBR – Light Stone

TRIM TABLE FRAME LINE 4				
◇ID	QUAN	PART	LENGTH	DETAIL
1	2	FL-60	20'-2"	SD74
2	1	FL-110	16'-0"	TD40
3	1	FL-175	15'-5"	TD535
4	1	FL-175L	11'-2"	TD302
5	1	FL-180	1'-4"	
6	1	FL-175R	11'-2"	TD88

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

FLANGE BRACE TABLE FRAME LINE 4		
▽ID	MARK	LENGTH
1	FB5A	2'-10"

MEMBER TABLE FRAME LINE 4	
MARK	PART
EC-1	8X35C14
EC-2	8X35C12
EC-3	8X35C14
ER-3	8X35C12
ER-4	8X35C12
G-1	8X25Z16
G-2	8X25Z16
G-3	8X25Z16
G-4	8X25Z16
CB-1	CB0250

CONNECTION PLATES FRAME LINE 4	
◇ID	MARK/PART
1	CL-110
2	CL-5

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North Carolina Licence #010295

4/14/25

DSN. APR. | APR. DATE

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

GENERAL NOTES:

TRIM IS FIGURED WITH 2" TRIM LAP UNLESS NOTED ON A DETAIL.
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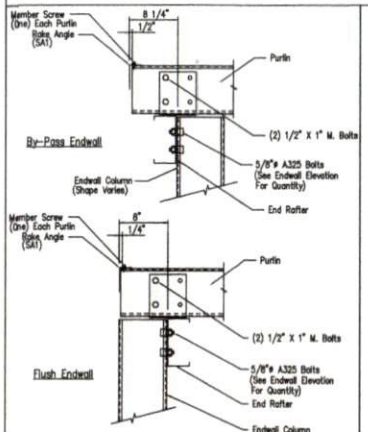
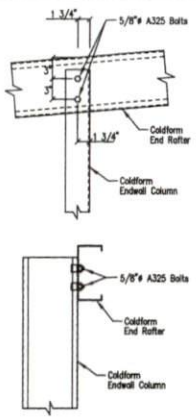
PHONE: 800.438.1606
FAX: 800.438.1626
www.inlandbuildings.com

DESCRIPTION	ENDWALL ELEVATION	SIZE	REFER TO C1
PROJECT OR PROPERTY	William McPhail 50x60	CUSTOMER	MCPHAIL METAL STRUCTURES
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS	ADDRESS	1478 CARROLL STORE ROAD
	DUNN, NC 28334-5777		AUTRYVILLE, NC 28318

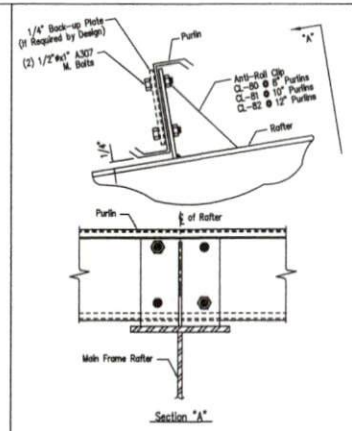
DSN BY	DWN BY	DATE	SCALE	JOB NO.	PR	BLDG SEQ	SHEET NO.	ISSUE
MLB	FR	4/10/25	N.T.S.	205715			E7 of 7	0



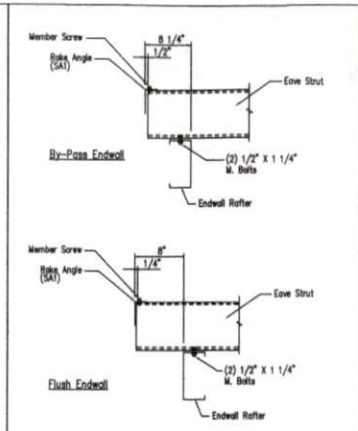
Section Thru Rake at Cold-Form Rafter — DRAWING NO. SD1



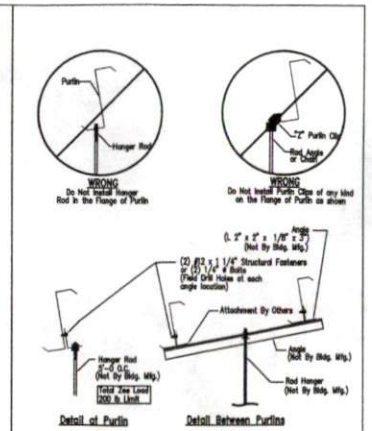
Cold Form Column to Cold Form Rafter — DRAWING NO. SD2



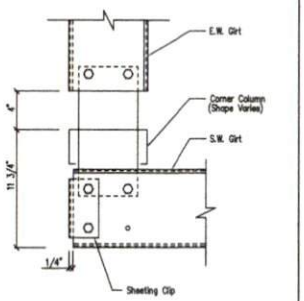
Purlin to Anti-Roll Clip Connection — DRAWING NO. SD115



Eave Strut to Cold Form Rafter Connection — DRAWING NO. SD15

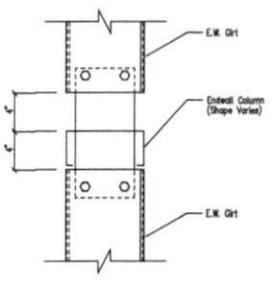


Collateral Material Hanger Detail — DRAWING NO. SD160



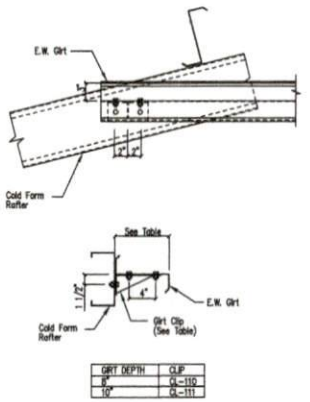
Note: All connection bolts are 1/2" x 1" machine bolts unless noted.

Section at "C" Corner Column
Flush Endwall — DRAWING NO. SD21



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

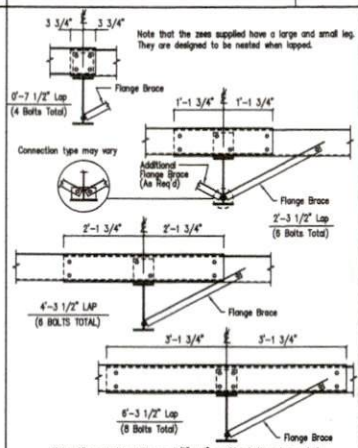
Girt to "C" Endwall Column Connection — DRAWING NO. SD43



GIRT DEPTH	CLIP
8"	GL-110
10"	GL-111

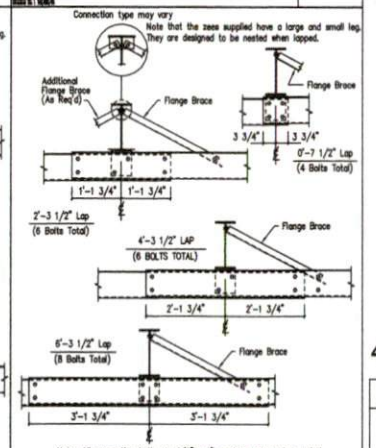
All Bolts are 1/2" x 1" A307 Bolt

Endwall Girt to Cold Form Rafter — DRAWING NO. SD47



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

Interior Bay Purlin Framing — DRAWING NO. SD50



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Interior Bay Girt Framing — DRAWING NO. SD51

4/14/25

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APR.		DATE	

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

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● TRIM PROFILE MAY VARY.

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Exp. 12/31/2025

DRAWING STATUS

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INLAND BUILDINGS
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FAX: 800.438.1626
www.inlandbuildings.com

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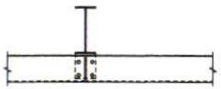
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS	ADDRESS	1478 CARROLL STORE ROAD
	DUNN, NC 28334-5777		AUTRYVILLE, NC 28318

CAD BY	CHCK BY	DATE	SCALE	JOB NO.	PH	BLDG. SEC.	SHEET NO.	REV.
MLB	FR	4/10/25	N.T.S.	205715			D1 of 4	0



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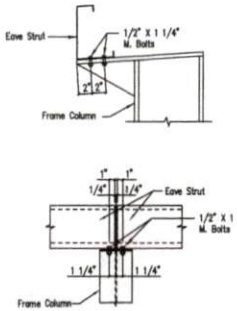
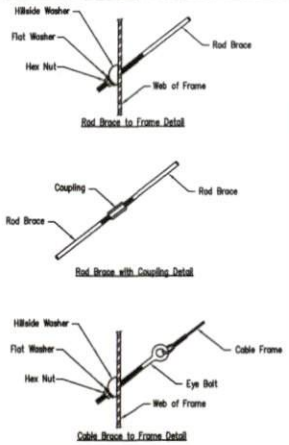
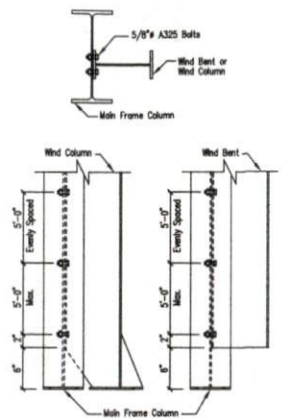
Simple Span Girt Framing — SD52



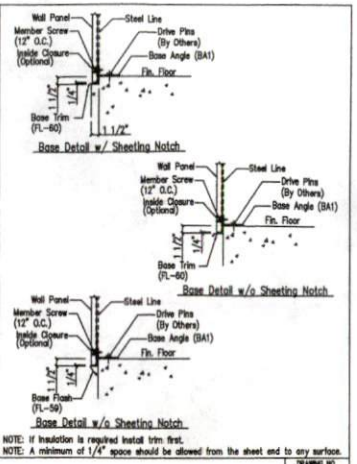
Eave Strut at Interior Column — SD59
By-Pass Sidewall



Cable or Rod Brace to Frame Connection — SD66

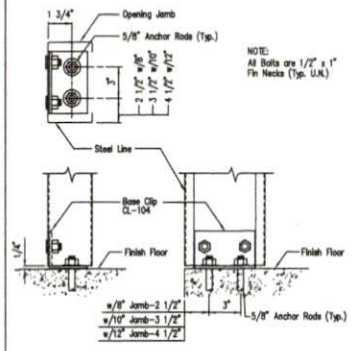


Wind Column/Bent Frame Detail — SD70

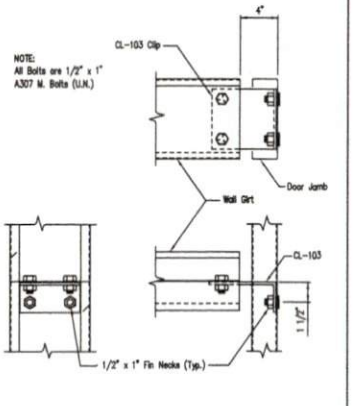


NOTE: If insulation is required install trim first.
NOTE: A minimum of 1/4" space should be allowed from the sheet end to any surface.

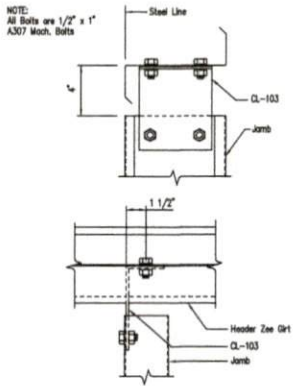
Base Angle w/Trim — SD74



Jamb to Floor — SD85



Girt to Jamb (Bolted Clips) — SD87



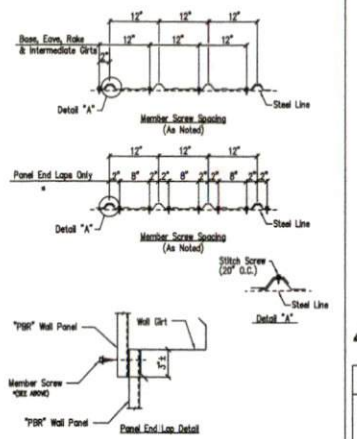
Jamb to Header Girt — SD94

Fastener	Description
Roof Fasteners:	#14 x 7/8" Self Drilling Screw Laptek – Stitch Screw Long Life Fasteners #12 x 1 1/4" Self Drilling Screw – Member Screw
Wall Fasteners:	#14 x 7/8" Self Drilling Screw Laptek – Stitch Screw Long Life Fasteners #12 x 1 1/4" Self Drilling Screw – Member Screw
Trim Fasteners:	#14 x 7/8" Self Drilling Screw Laptek – Stitch Screw Long Life Fasteners #12 x 1 1/4" Self Drilling Screw – Member Screw
Liner Fasteners:	#14 x 7/8" Self Drilling Screw Laptek – Stitch Screw Long Life Fasteners #12 x 1 1/4" Self Drilling Screw – Member Screw
Partition Fasteners:	#14 x 7/8" Self Drilling Screw Laptek – Stitch Screw Long Life Fasteners #12 x 1 1/4" Self Drilling Screw – Member Screw
Soffit Fasteners:	#14 x 7/8" Self Drilling Screw Laptek – Stitch Screw Long Life Fasteners #12 x 1 1/4" Self Drilling Screw – Member Screw
Steel to Steel Fasteners: (MSI)	#12 x 1" Self Drilling Screw W/O Washer – Member Screw
REF1:	#10-16 x 1" Self Drilling Screw W/O Washer

NOTE: Refer to Details and Sections for specific screw types, locations, and spacing.

▲Tape Sealant 1" x 3/32" x 45'-0" (RSH45-1)

Screw Size Note — TD000



Fastener Location "PBR" Panel at Wall — TD1

4/14/25

DSN. APR.		APR. DATE	

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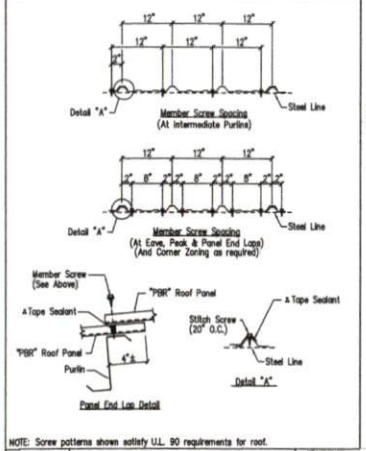
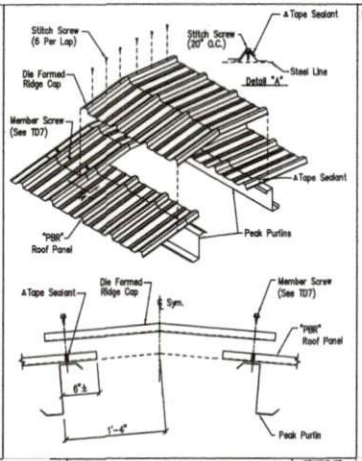
JOB NO. 205715 | PR | MAN. SPEC | SHEET NO. 02 of 4 | ISSUE 0



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

Fastener Location "PBR" Panel at Roof

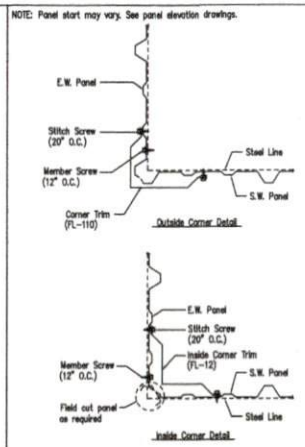
DRAWING NO. TD7



Die Formed Ridge Detail – PBR

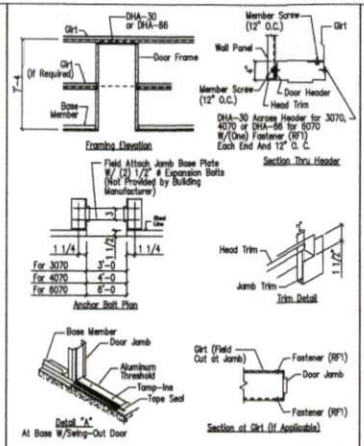
Up to a 3:12 Roof Slope

DRAWING NO. TD8



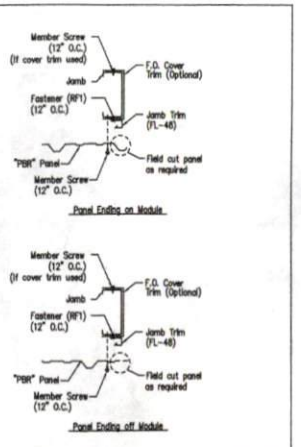
Section at Corner – PBR

DRAWING NO. TD40



Personnel Doors (Walk Door Sections)

DRAWING NO. TD50

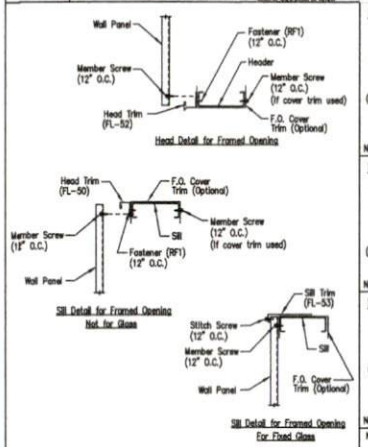


Jamb Detail For Framed Opening

PBR Wall Panel

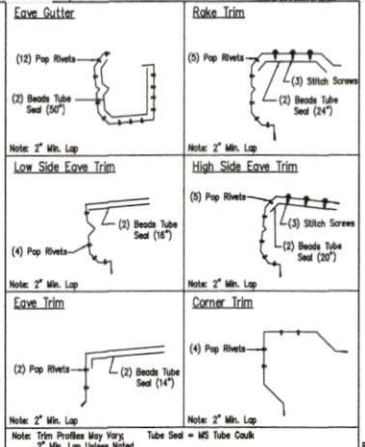
DRAWING NO. TD51

O.C. Strap Quantity	
Eave Height	Quantity
10'	4
12'	4
14'	5
16'	5
18'	6
20'	6
22'	7
24'	7
26'	8
28'	8
30'	9



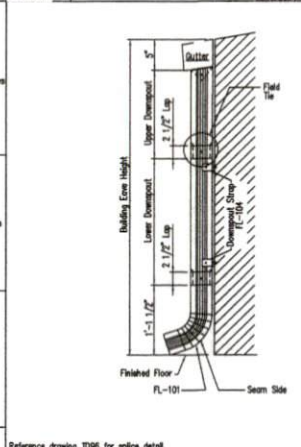
Framed Opening Head and Sill Details

DRAWING NO. TD52



Trim Laps – Shadow Profile

DRAWING NO. TD88

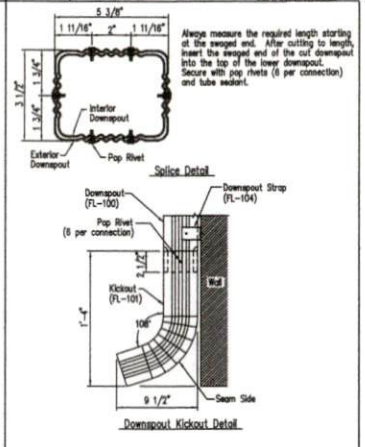


Reference drawing TD96 for splice detail.

Downspout Elevation

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

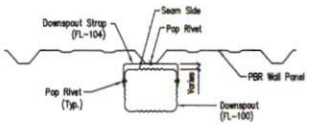
DRAWING NO. TD90



Downspout Kickout and Splice Detail

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

DRAWING NO. TD96



Downspout Strap Attachment Detail PBR

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

DRAWING NO. TD98

4/14/25

DSN. APR. | APR. DATE

NORTH CAROLINA PROFESSIONAL SEAL 010295 ENGINEER FRED F. RADFAR

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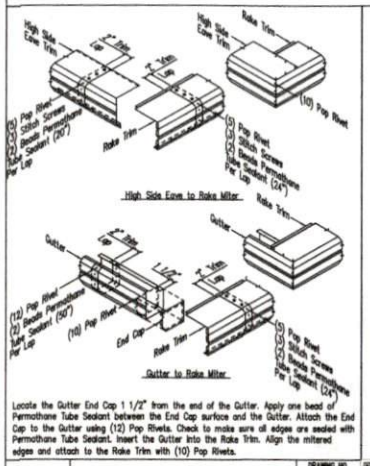
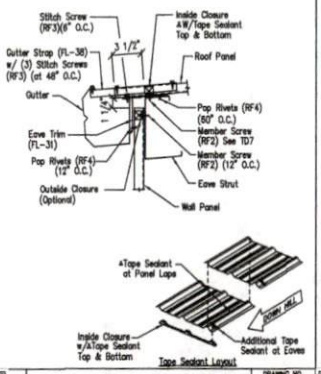
JOBSITE LOCATION	515 BUMPAS CREEK ACCESS DUNN, NC 28334-5777	ADDRESS	1478 CARROLL STORE ROAD AUTRYVILLE, NC 28318
CAD BY	MLB	CHK'D BY	FR
DATE	4/10/25	SCALE	N.T.S.
JOB NO.	205715	PH	
MOD. DESC.		SHEET NO.	03 of 4
REV.	0		

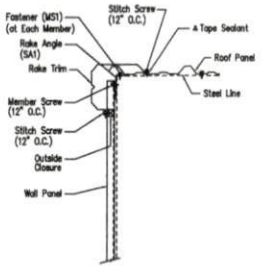


Locate the Gutter End Cap 1 1/2" from the end of the Gutter. Apply one bead of Permathane Tube Sealant between the End Cap surface and the Gutter. Attach the End Cap to the Gutter using (12) Pop Rivets. Check to make sure all edges are sealed with Permathane Tube Sealant. Insert the Gutter into the Rake Trim. Align the mitered edges and attach to the Rake Trim with (10) Pop Rivets.

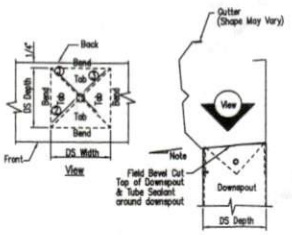
PBR Shadow Trim Detail — DRAWING NO. TD302



Low Eave Detail – PBR — Shadow Gutter – Sheeted Wall — DRAWING NO. TD515



Rake Detail – PBR — Shadow Rake – Sheeted Wall — DRAWING NO. TD535



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 whole 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 (Shadow Profile) — DRAWING NO. TD595

4/14/25

DSN. APR.		APR. DATE	

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