214 Fountainhead Road
Portland, TN 37148
(615)-252-2880
www.ascentbuildings.com

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BUILDING LOADS / DESCRIPTION:

BUILDING:

WIDTH: 69'-2" LENGTH: 99'-2" HEIGHT: 16'-0"/ 17'-6"
(BUILDING DIMENSIONS ARE NOMINAL. REFER TO PLANS).

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED
AND APPLIED AS REQUIRED BY : IBC 15 / NCBC 18

THE CONTRACTOR IS TO CONFIRM THAT THESE LOADS COMPLY
WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

OCCUPANCY CATEGORY:	II - Normal	
ROOF DEAD LOAD:	2.500	PSF (ROOF PANELS & PURLINS)
COLLATERAL LOAD:	5	PSF
ROOF LIVE LOAD:	20.00	PSF (REDUCIBLE)
GROUND SNOW LOAD:	15	PSF
SNOW LOAD IMPORTANCE:	1.0000	PSF
ROOF SNOW LOAD:	10.5	PSF
SNOW EXPOSURE:	1.0000	
THERMAL FACTOR:	1.00	
BASIC WIND SPEED:	118 mph	MPH
WIND EXPOSURE:	B	
WIND LOAD IMPORTANCE:	1.00	
INTERNAL PRESSURE COEFF.:	0.18 / -0.18	
SEISMIC IMPORTANCE FACTOR:	1.00	
SEISMIC DESIGN CATEGORY:	B	
SEISMIC ZONE:	B	
SITE CLASS:	D	
MAPPED SPECTRAL RESPONSE ACC.	Ss 0.17	
	Sl 0.08	
SPECTRAL RESPONSE COEFF.	Sds 0.18	
	Sd1 0.13	
DESIGN BASE SHEAR, V:	LONGITUDINAL 12.48	
	TRANSVERSE 11.92	

ROOF PANELS:

TYPE: RL GAGE: 26 COLOR: Galvalume Plus 25-yr

WALL PANELS:

TYPE: RLR GAGE: 26 COLOR: Galvalume Plus 25-yr

PARAPET BACK PANEL

TYPE: ML GAGE: 26 COLOR: Brown

SOFFIT PANELS:

TYPE: N/A GAGE: N/A COLOR: N/A

TRIM COLORS:

RAKE:	Galvalume Plus 25-yr
EAVE:	Galvalume Plus 25-yr
CORNER:	Galvalume Plus 25-yr
FRAMED OPENINGS:	Galvalume Plus 25-yr
BASE:	Galvalume Plus 25-yr
DOWNSPOUTS:	Brown
LINER:	N/A
SOFFIT:	N/A

DEFLECTION LIMTS:

EW COL:	600
EW RAF LIVE:	180
EW RAF WIND:	180
WALL GIRT:	600
PURL LIVE:	180
PURL WIND:	150
WALL PANEL:	600
ROOF PANEL LIVE:	60
ROOF PANEL WIND:	60
RF HORIZONTAL:	120
RF VERTICAL:	180
WIND BENT:	120
RF CRANE:	100
RF SEIS:	50
WIND BENT SEIS:	50

GENERAL NOTES:

1) MATERIALS :

	MINIMUM YIELD:		
HOT ROLLED BAR	FY =	50.0000	ksi MIN.
STRUCTURAL STEEL SHEET	FY =	50.0000	ksi MIN.
STRUCTURAL STEEL PLATE	FY =	50.0000	ksi MIN.
COLD FORMED SHAPES	FY =	57.0000	ksi MIN.
WALL SHEETING	FY =	60.0000	ksi MIN.
ROOF SHEETING	FY =	60.0000	ksi MIN.
BOLTS	A307 & A325		

THE METAL BUILDING MANUFACTURER RESERVES THE RIGHT TO SUBSTITUTE THE ABOVE MATERIALS WITH EQUAL OR BETTER MATERIAL.

2) BOLT TIGHTENING REQUIREMENTS:
ALL HIGH STRENGTH BOLTS ARE A325 UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS SHALL BE TIGHTENED BY THE TURN OF THE NUT METHOD IN ACCORDANCE WITH THE LATEST EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". A325 BOLTS SHALL BE INSTALLED WITH OUT WASHERS WHEN TIGHTENED BY THE "TURN OF THE NUT" METHOD. ALL BOLTED CONNECTIONS, FOR SHEAR/BEARING CONNECTION TYPE WITH BOLT THREADS EXCLUDED FROM THE SHEAR PLANE SHALL BE SNUG TIGHT ONLY.

3) ALL STRUCTUAL STEEL TO RECEIVE A RUST INHIBITIVE PRIMER. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS.

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 METAL BUILDING SYSTEM 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 APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS THAT THE METAL BUILDING SYSTEM 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 METAL BUILDING SYSTEM 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 MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY THE METAL BUILDING SYSTEM MANUFACTURER ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN THE METAL BUILDING SYSTEM MANUFACTURER'S ENGINEER UNLESS SPECIFICALLY INDICATED.

THE CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH THE METAL BUILDING SYSTEM MANUFACTURER "FOR CONSTRUCTION" DRAWINGS.

ALL BRACING AS SHOWN AND PROVIDED BY THE METAL BUILDING SYSTEM 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. 7.9.1AISC CODE OF STANDARD PRACTICE, 9TH ED.)

WARNING : IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSION EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, ORTUBING ONTO GALVALUME SHOULD BE AVOIDED.

ERECTOR NOTE: PANEL BUNDLES MUST BE HANDLED WITH CARE!!! USE A SPREADER BAR FOR HANDLING. THE METAL BUILDING SYSTEM MANUFACTURER IS NOT RESPONSIBLE FOR MATERIALS DAMAGED ONSITE. STORE PANELS WHERE MOISTURE CAN PROPERLY DRAIN. THE METAL BUILDING SYSTEM MANUFACTURER WILL NOT WARRANT PANELS THAT HAVE BEEN STORED WHERE MOISTURE CAN BE CAPTURED BETWEEN PANELS THAT ARE BUNDLED.

CORRECTION OF MINOR MISFITS IN THE FIELD IS CONSIDERED NORMAL AND IS NOT SUBJECT TO BACK CHARGE. MAJOR CORRECTIVE WORK MUST BE AUTHORIZED IN ADVANCED BY THE ENGINEERING DEPARTMENT OF THE METAL BUILDING SYSTEM MANUFACTURER. REQUEST TO PERFORM CORRECTIVE WORK MUST BE SUBMITTED IN WRITING ALONG WITH PHOTOS AND A DESCRIPTION OF THE MODIFICATION THAT IS BEING REQUESTED. NO BACK CHARGE WILL BE PAID THAT IS NOT AUTHORIZED IN ADVANCED BY THE METAL BUILDING SYSTEM MANUFACTURER.

Jason Speegle 2022.09.06 16:05:06 -05'00'

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

REV.	DATE	REVISION	DRN. BY	CK'D BY
0	08/29/22	ISSUED FOR CONSTRUCTION	PSK	KDR
C	08/16/22	REVISED FOR PERMIT/CONST.	MAR	PNR
B	07/13/22	REVISED FOR PERMIT/CONST.	PSK	PNR
A	06/17/22	ISSUED FOR PERMIT/CONST.	MAR	PNR

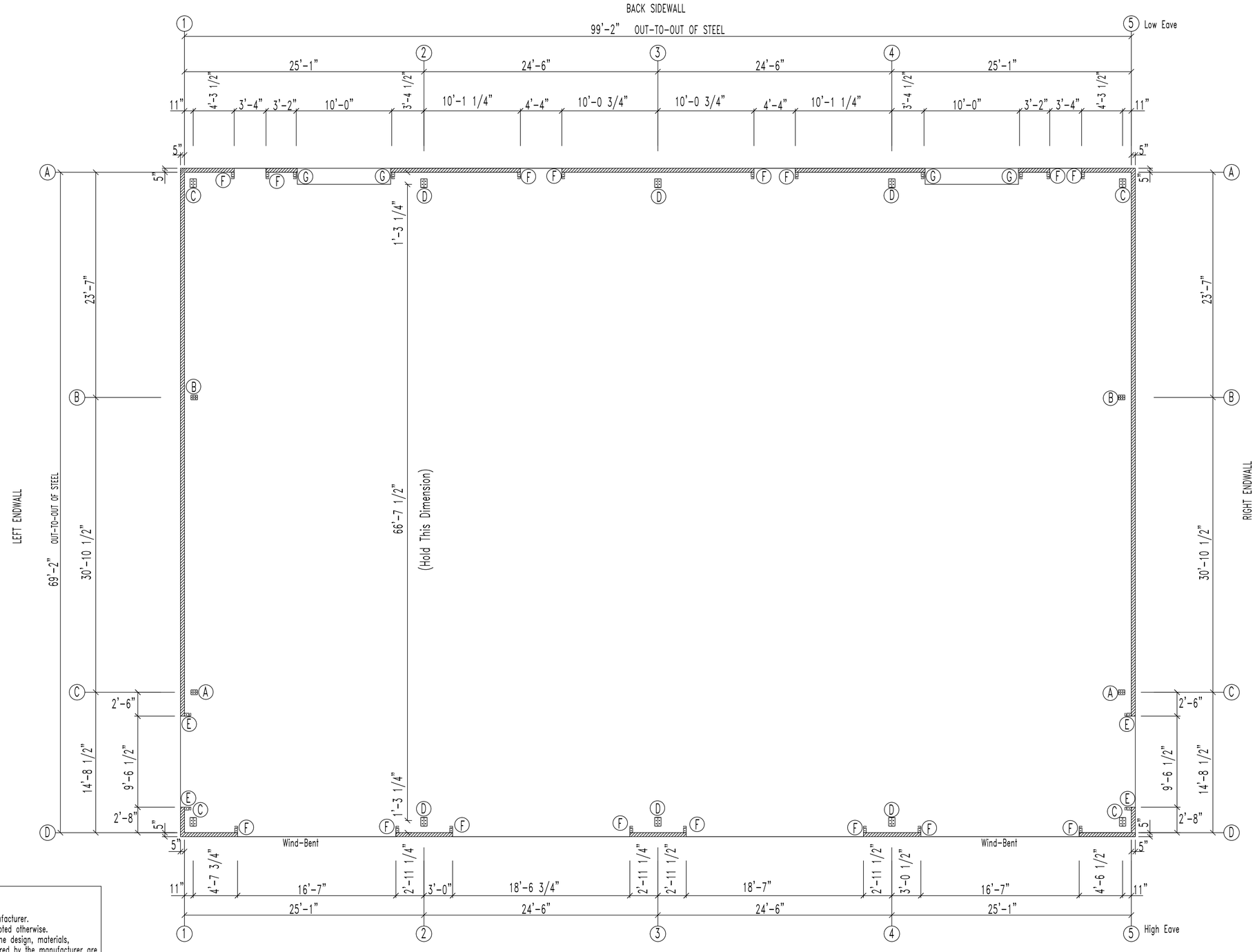
DESCRIPTION: COVER SHEET

CUSTOMER: Barefoot Building Company | PROJECT: T&L Coats Building 2

LOCATION: Coats, NC 27521

SCALE	JOB NO.	SHEET NO.
N.T.S.	22-10407	C1 OF C1

ASCENT BUILDINGS
214 Fountainhead Road Portland, TN 37148
(615)-252-2880 www.ascentbuildings.com



ANCHOR BOLT PLAN

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

GENERAL NOTES

1.) Anchor Rods are not furnished or installed by the manufacturer.
2.) No Grout is to be used under the base plates unless noted otherwise.
3.) The Metal Building Manufacturer is not responsible for the design, materials, or Workmanship of the foundation. Anchor Rod Plans prepared by the manufacturer are intended to show only location, diameter, and projection of the anchor rods required to attach the Metal Building System to the foundation. It is the responsibility of the end Customer to ensure that adequate provisions are made for specifying rod embedment, bearing values, tie rods and other associated items embedded in the concrete foundation, as well as foundation design for the loads imposed by the Metal Building System, other imposed loads, and the bearing capacity of the soil and other conditions of the building site. (MBMA 06 Sections 3.2.2 and A3)
4.) Foundation must be square and level with all anchor rods true in size, location, and projection.

ASCENT BUILDINGS
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www.ascentbuildings.com

Job Number: 22-10407

Customer: Barefoot Building Company

Project Name & Location:
T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

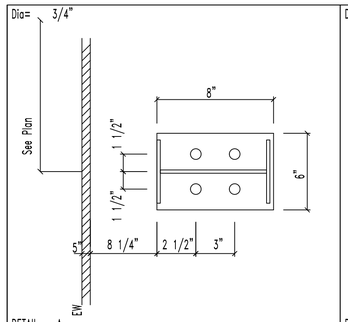
- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☒ For Construction Permit
- ☐ For Erector Installation

Sheet Number: AB1 OF AB3
Project Engineer: JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

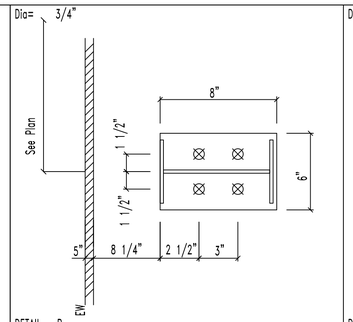
Revision	Date	By	Chk'd	Description
0	06/17/22	MAR	PNR	ISSUED FOR CONSTRUCTION
1	07/13/22	PSK	PNR	REVISED FOR CONSTRUCTION
2	08/30/22	NC	KDR	REVISED FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 16:04:37 -05'00'



DETAIL A



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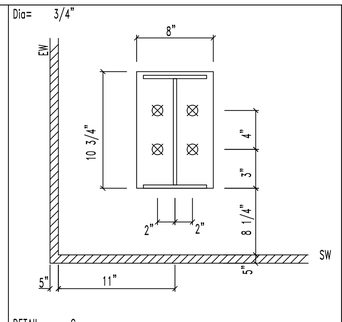

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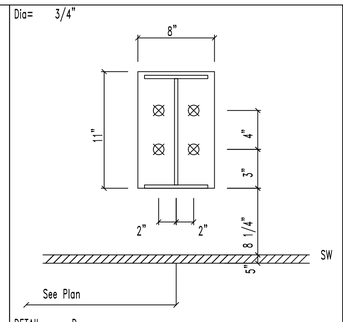

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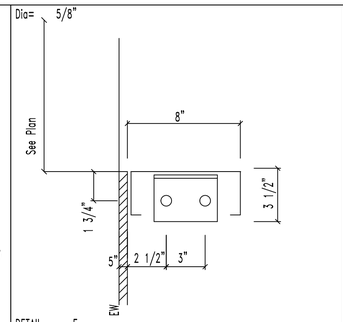

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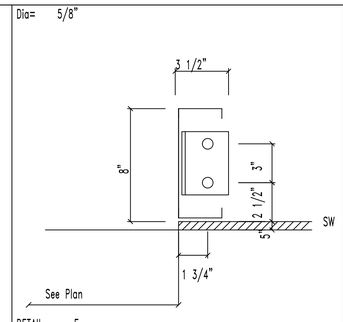

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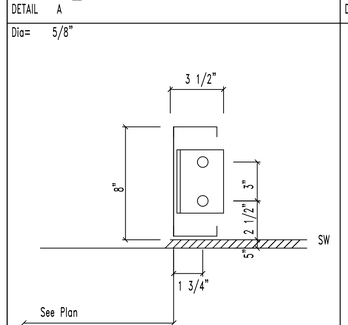

DETAIL G

ASCENT BUILDINGS
214 Fountainhead Road
Portland, TN 37148
(615)-252-2880
www.ascentbuildings.com

Job Number
22-10407

Customer
Barefoot Building Company

Project Name & Location
T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☒ For Construction Permit
- ☐ For Erector Installation

Sheet Number AB2 OF AB3
Project Engineer JRC
Drawn By: MAR
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Scale: NTS

Revision	Date	Description	By	Chk'd
0	06/17/22	ISSUED FOR CONSTRUCTION	MAR	PNR
1	07/13/22	REVISED FOR CONSTRUCTION	PSK	PNR
2	08/16/22	REVISED FOR CONSTRUCTION	MAR	PNR

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 16:04:08 -05'00'

RIGID FRAME:

BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	-----Dead---- Horiz	Vert	--Collateral- Horiz	Vert	-----Live---- Horiz	Vert	-----Snow---- Horiz	Vert	--Snow_Drift- Horiz	Vert	--Wind_Left1- Horiz	Vert
1*	A	0.0	0.7	0.0	0.6	0.1	1.5	0.1	1.3	0.1	0.9	-2.0	-3.3
1*	D	0.0	0.5	0.0	0.3	-0.1	0.6	-0.1	0.5	-0.1	2.1	-2.4	1.1
1*	B	0.0	1.5	0.0	1.9	0.0	4.7	0.0	4.1	0.0	2.7	0.0	-5.8
1*	C	0.0	1.3	0.0	1.7	0.0	4.0	0.0	3.5	0.0	2.9	0.0	-8.5

Frame Line	Column Line	-Wind_Right1- Horiz	Vert	--Wind_Left2- Horiz	Vert	-Wind_Right2- Horiz	Vert	--Wind_Long1- Horiz	Vert	--Wind_Long2- Horiz	Vert	-Seismic_Left Horiz	Vert
1*	A	2.5	-0.1	-2.7	-2.3	1.9	0.9	-4.8	-8.0	7.1	2.7	-1.3	-1.0
1*	D	2.3	-3.3	-1.7	1.7	2.9	-2.8	-7.5	1.4	5.5	-16.2	-1.4	2.0
1*	B	0.0	-6.2	0.0	-2.9	0.0	-3.3	0.0	-4.4	0.0	-11.8	0.0	1.3
1*	C	0.0	-0.8	0.0	-6.2	0.0	1.5	0.0	-18.8	0.0	5.8	0.0	-2.3

Frame Line	Column Line	Seismic_Right Horiz	Vert	-Seismic_Long Horiz	Vert	-----Rain---- Horiz	Vert	-MIN_SNOW-- Horiz	Vert	F1PAT_SL_1- Horiz	Vert	F1PAT_SL_2- Horiz	Vert
1*	A	1.3	1.0	-4.1	-3.3	0.1	1.9	0.1	1.8	0.1	0.9	0.0	0.0
1*	D	1.4	-2.0	-4.6	2.3	-0.1	0.8	-0.1	0.8	-0.1	0.2	0.0	0.6
1*	B	0.0	-1.3	0.0	4.2	0.0	6.0	0.0	5.8	0.0	0.8	0.0	-0.1
1*	C	0.0	2.3	0.0	-7.3	0.0	5.2	0.0	5.1	0.0	-0.3	0.0	0.5

Frame Line	Column Line	F1PAT_SL_3- Horiz	Vert	F1PAT_SL_4- Horiz	Vert	F1PAT_LL_5- Horiz	Vert	F1PAT_LL_6- Horiz	Vert	F1PAT_LL_7- Horiz	Vert	F1PAT_LL_8- Horiz	Vert
1*	A	0.0	0.6	-0.1	-0.2	0.0	1.4	-0.2	-0.5	0.3	2.0	-0.3	-0.6
1*	D	0.0	-0.3	0.1	0.1	0.0	-0.7	0.2	0.2	-0.3	1.7	0.3	-1.1
1*	B	0.0	2.1	0.0	1.2	0.0	4.8	0.0	2.8	0.0	1.8	0.0	2.9
1*	C	0.0	1.3	0.0	2.0	0.0	3.0	0.0	4.6	0.0	0.5	0.0	3.6

Frame Line	Column Line	-----Dead---- Horiz	Vert	--Collateral- Horiz	Vert	-----Live---- Horiz	Vert	-----Snow---- Horiz	Vert	--Snow_Drift- Horiz	Vert	--Wind_Left1- Horiz	Vert
2*	A	2.2	3.3	3.2	4.2	7.8	10.2	6.8	8.9	0.4	0.4	-17.4	-17.6
2*	D	-2.2	3.3	-3.2	4.2	-7.8	10.2	-6.8	8.9	-0.4	3.0	6.8	-13.7

Frame Line	Column Line	-Wind_Right1- Horiz	Vert	--Wind_Left2- Horiz	Vert	-Wind_Right2- Horiz	Vert	--Wind_Long1- Horiz	Vert	--Wind_Long2- Horiz	Vert	-Seismic_Left Horiz	Vert
2*	A	0.3	-7.2	-14.1	-11.1	3.8	-0.7	-16.1	-18.3	1.5	-7.1	-1.1	-0.5
2*	D	12.3	-12.6	3.5	-7.2	8.7	-6.1	3.7	-18.9	11.0	-18.6	-1.0	0.5

Frame Line	Column Line	Seismic_Right Horiz	Vert	-Seismic_Long Horiz	Vert	-----Rain---- Horiz	Vert	-MIN_SNOW-- Horiz	Vert
2*	A	1.1	0.5	-4.6	-1.9	10.0	13.1	9.7	12.7
2*	D	1.0	-0.5	-4.1	-2.1	-10.0	13.2	-9.7	12.7

1* Frame lines: 1 5
2* Frame lines: 2 3 4

ENDWALL COLUMN:

BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz	Seis Left Horz	Seis Right Horz	-MIN_SNOW- Horz	Vert	E1PAT_SL_1- Horz	Vert	E1PAT_SL_2- Horz	Vert	E1PAT_SL_3- Horz	Vert
1	A	0.1	-1.7	1.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	B *		-3.1	3.7			0.0	6.0	0.0	1.0	0.0	0.0	0.0	2.1
1	C *		-2.6	3.1			0.0	5.1	0.0	-0.1	0.0	0.5	0.0	1.3

Frm Line	Col Line	E1PAT_SL_4- Horz	Vert
1	A	0.0	0.0
1	B	0.0	1.1
1	C	0.0	2.0

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz	Seis Left Horz	Seis Right Horz	-MIN_SNOW- Horz	Vert	E2PAT_SL_1- Horz	Vert	E2PAT_SL_2- Horz	Vert	E2PAT_SL_3- Horz	Vert
5	C *		-2.6	3.1			0.0	5.1	0.0	0.5	0.0	-0.1	0.0	2.0
5	B *		-3.1	3.7			0.0	6.0	0.0	0.0	0.0	1.0	0.0	1.1
5	A	0.1	-1.7	1.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Frm Line	Col Line	E2PAT_SL_4- Horz	Vert
5	C	0.0	1.3
5	B	0.0	2.1
5	A	0.0	0.0

*See Rigid Frame Interior Column Reactions

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	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
1	A	14	1.2	0.0	15	-1.0	0.0	4	0.625	5.500	5.750	0.188	0.0
		16	1.2	0.1									
1	B *	17	2.2	-5.0	18	-1.9	-5.1						
		1	0.0	11.5									
1	C *	17	1.9	-4.4	18	-1.6	-4.3						
		1	0.0	9.9	17	1.9	-4.4						
5	C *	19	1.9	-4.4	18	-1.6	-4.3						
		1	0.0	9.9	19	1.9	-4.4						
5	B *	20	2.2	-5.1	18	-1.9	-5.0						
		1	0.0	11.5	20	2.2	-5.1						
5	A	14	1.2	0.0	15	-1.0	0.0	4	0.625	5.500	5.750	0.188	0.0
		16	1.2	0.1									

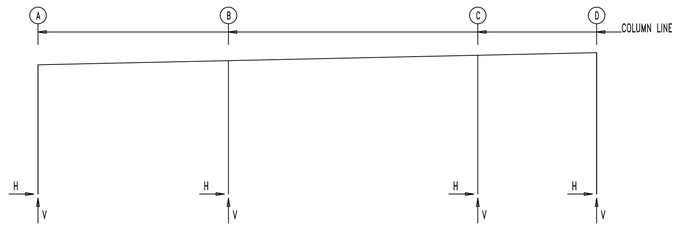
*See Rigid Frame Interior Column Reactions

GENERAL NOTES

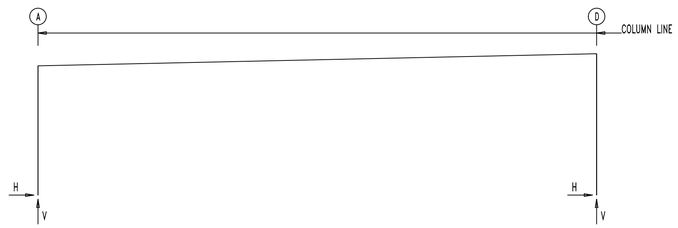
It is the repsonsibility of the end user to verify that the loads shown meet local requirements and are adequate for the intended use of the building. i.e. Ascent Buildings, LLC. does not serve as the Engineer of Record.

Ascent Buildings, LLC. IS NOT RESPONSIBLE FOR FIT OF FRAMING STEEL IN INSTANCES WHERE ANCHOR BOLTS ARE NOT SET IN THE EXACT LOCATIONS SHOWN ON THESE DRAWINGS.

FRAME LINES: 1 5



FRAME LINES: 2 3 4



RIGID FRAME:

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	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
1*	A	5	4.3	2.3	13	-2.9	-1.9	4	0.750	8.000	10.75	0.500	0.0
		7	3.4	4.2	10	-2.9	-4.4						
1*	D	11	3.3	-9.4	4	-4.5	8.4	4	0.750	8.000	10.75	0.500	0.0
		6	-3.6	8.6	11	3.3	-9.4						
1*	B	12	0.0	-6.2	12	0.0	-6.2	4	0.750	6.000	8.000	0.500	0.0
		3	0.0	10.3									
1*	C	10	0.0	-10.5	10	0.0	-10.5	4	0.750	6.000	8.000	0.500	0.0
		7	0.0	10.6									

1* Frame lines: 1 5

RIGID FRAME:

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	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
2*	A	2	15.5	20.6	8	-9.1	-8.6	4	0.750	8.000	11.00	0.500	0.0
					10	-8.3	-9.0						
2*	D	9	6.0	-5.6	2	-15.5	20.7	4	0.750	8.000	11.00	0.500	0.0
		2	-15.5	20.7	10	0.9	-9.3						

2* Frame lines: 2 3 4

BUILDING BRACING REACTIONS

Wall Loc	Line	Col Line	± Reactions(k) Wind Horz	Vert	Seismic Horz	Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1								(h)
F_SW	D	1,2	4.6	5.9	3.1	4.0			(b)
		4,5	4.6	5.9	3.1	4.0			(b)
R_EW	5								(h)
B_SW	A	Torsional Bracing Used							

(b)Wind bent in bay, base above finish floor
(h)Rigid frame at endwall

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
○ 48	Jamb	5/8"		
⊠ 16	Endwall	3/4"	A307	2.50
⊠ 40	Frame	3/4"	A307	2.50

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)	=	69.2
Length (ft)	=	99.2
Eave Height (ft)	=	16.0/ 17.5
Roof Slope (rise/12)	=	0.3
Dead Load (psf)	=	2.5
Collateral Load (psf)	=	5.0
Roof Live Load(psf)	=	20.0
Frame Live Load(psf)	=	12.0
Snow Load (psf)	=	10.5
Wind Speed (mph)	=	118.0
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)	=	0.27

5. Loading conditions are:
   1 Dead+Collateral+Live
   2 Dead+Collateral+Rain
   3 Dead+Collateral+Snow+Snow_Drift
   4 Dead+0.6Wind_Long1R
   5 Dead+0.6Wind_Long2R
   6 Dead+Collateral+0.75Snow+0.45Wind_Long1R+0.75Snow_Drift
   7 Dead+Collateral+0.75Snow+0.45Wind_Long2R+0.75Snow_Drift
   8 0.6Dead+0.6Wind_Left1
   9 0.6Dead+0.6Wind_Right1
   10 0.6Dead+0.6Wind_Long1L
   11 0.6Dead+0.6Wind_Long2L
   12 0.6Dead+0.6Wind_Long2R
   13 0.57Dead+0.7Seismic_LongL
   14 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
   15 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
   16 Dead+0.6Wind_Right2+0.6Wind_Suction
   17 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
   18 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
   19 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
   20 0.6Dead+0.6Wind_Suction+0.6Wind_Long1L

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Job Number: 22-10407

Customer: Barefoot Building Company

Project Name & Location: T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☒ For Construction Permit
- ☐ For Erector Installation

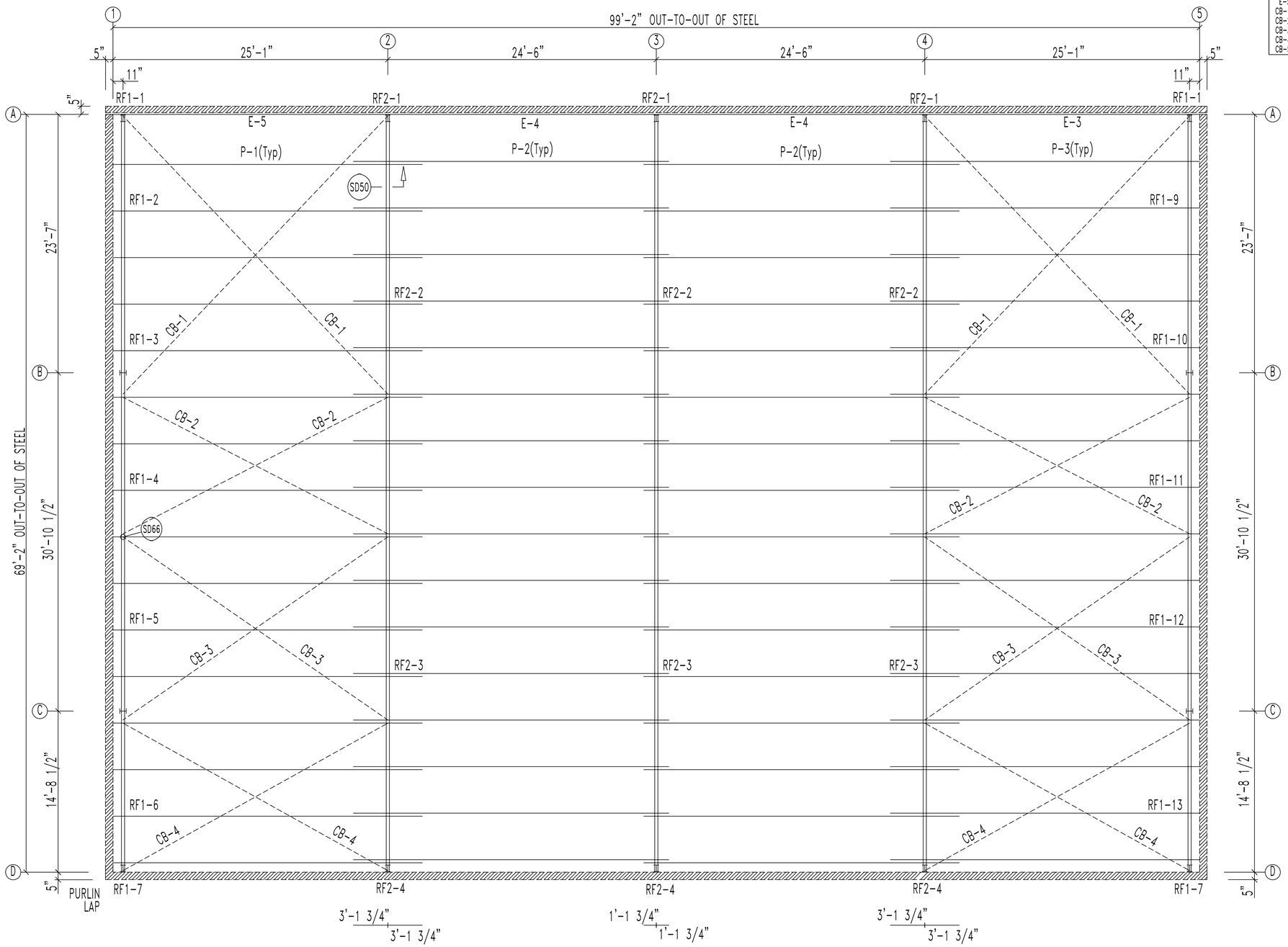
Sheet Number	AB3 OF AB3
Project Engineer	JRC
Drawn By:	MAR
Checked By:	PNR
Scale:	NTS

Revision	Date	Description	By	Chk'd
0	06/17/22	ISSUED FOR CONSTRUCTION	MAR	PNR
1	07/13/22	REVISED FOR CONSTRUCTION	PSK	PNR
2	08/16/22	REVISED FOR CONSTRUCTION	MAR	PNR

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 16:03:41 -05'00'

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	Z82512	27'-6 1/2"
P-2	Z82514	28'-9 1/2"
P-3	Z82512	27'-6 1/2"
E-3	G8534DU0	24'-4 1/2"
E-4	G8534DU0	24'-5 1/2"
E-5	G8534DU0	24'-4 1/2"
CB-1	CB0250	34'-6 3/4"
CB-2	CB0250	27'-6 3/4"
CB-3	CB0313	29'-8"
CB-4	CB0313	27'-6 3/4"
CB-5	CB0313	27'-4"



ROOF FRAMING PLAN

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Sheet Number E1 OF E9
Project Engineer JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

Revision	Date	Description	By	Chk'd
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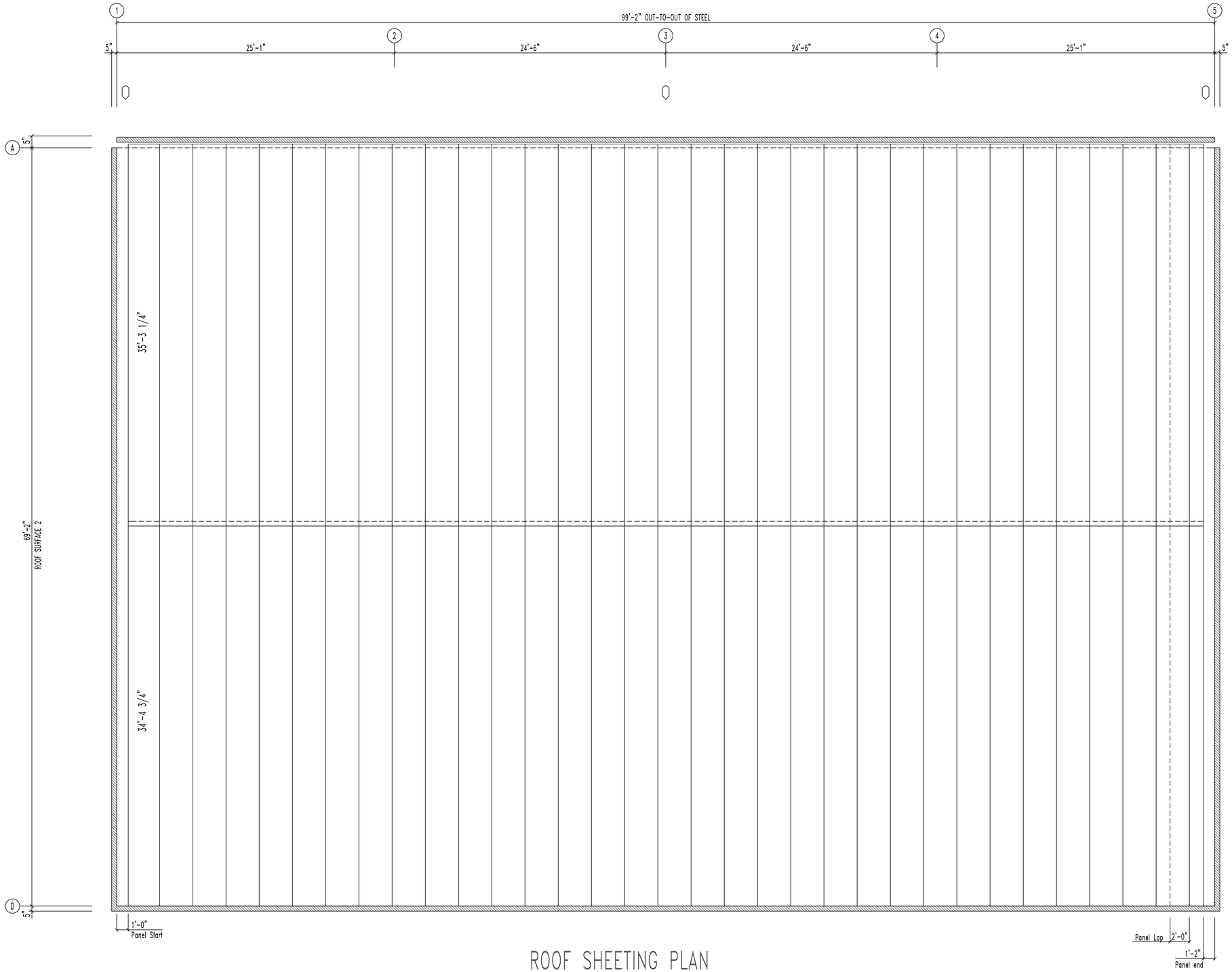
NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 16:03:15 -05'00'

DOWNSPOUT LOCATIONS



ROOF SHEETING PLAN

PANELS: 26 Ga. RL – Galvalume Plus 25-yr

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Coats, NC 27521

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Sheet Number	E2 OF E9
Project Engineer	JRC
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Checked By:	PNR
Scale:	NTS

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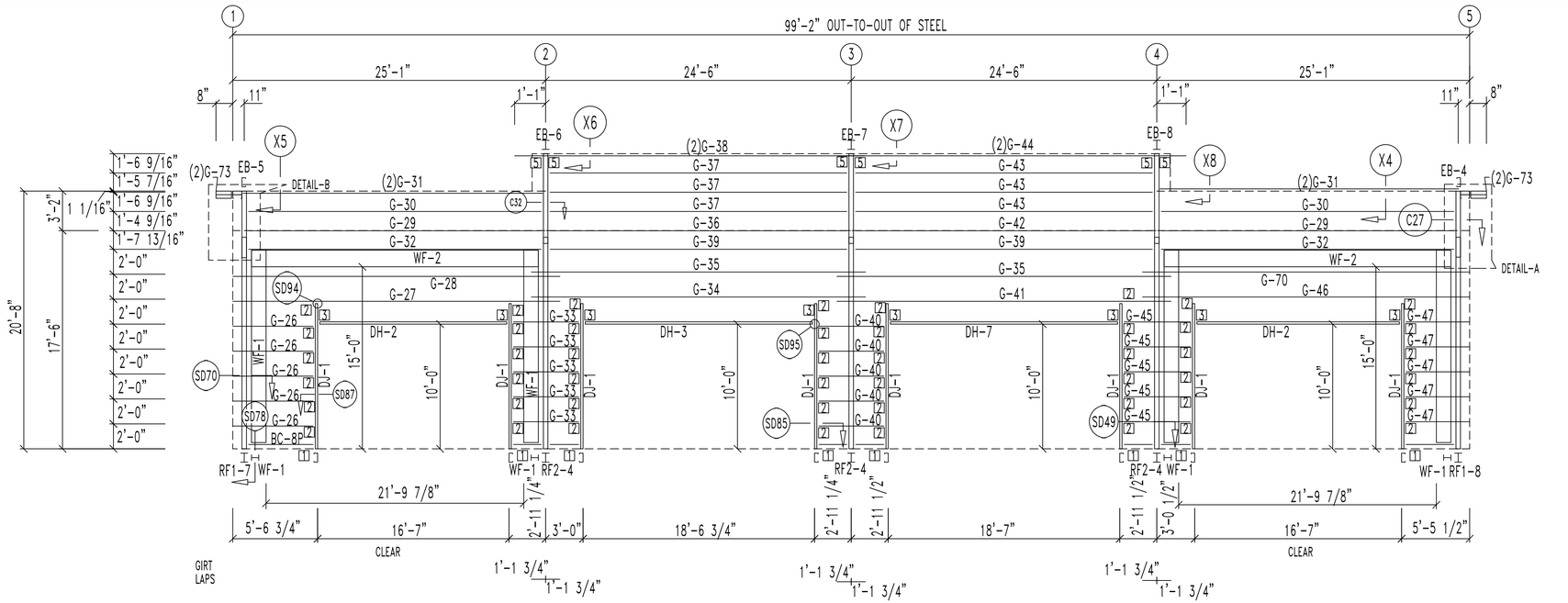
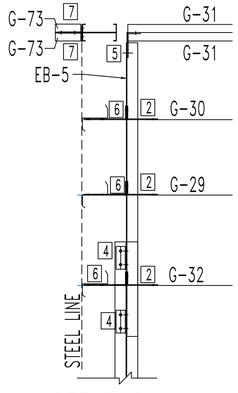
The Engineer whose seal appears hereon is an employee for the manufacturer for the material described herein. Said seal or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for the project

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

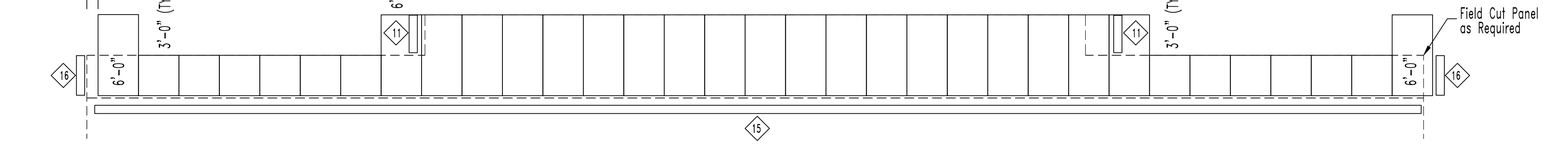
Jason Speegle 2022.09.06 16:02:54 -05'00'



SIDEWALL FRAMING: FRAME LINE D

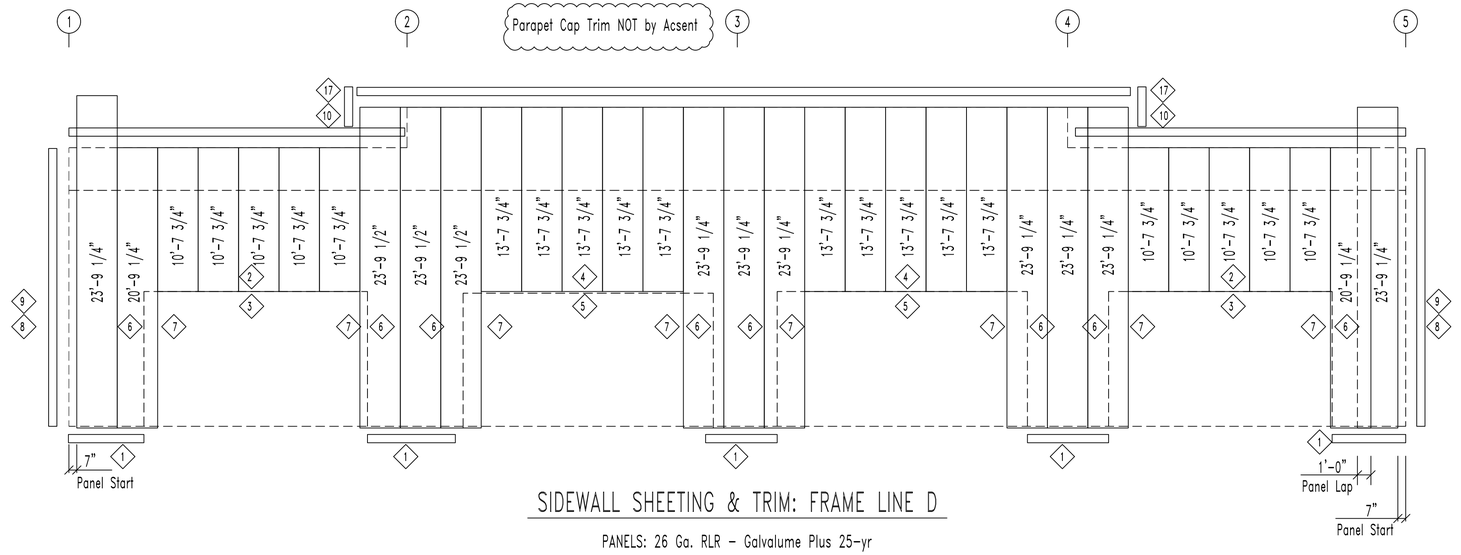


DETAIL-B



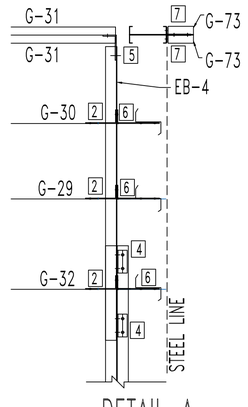
PARAPET BACK SHEETING & TRIM: LINE D

PANELS: 26 Ga. ML - Brown



SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. RLR - Galvalume Plus 25-yr



DETAIL-A

BOLT TABLE FRAME LINE D				
LOCATION	QUAN	TYPE	DIA	LENGTH
EB-4	12	A325	1/2"	1 1/2"
EB-5	12	A325	1/2"	1 1/2"
EB-6	8	A325	1/2"	1 1/2"
EB-7	8	A325	1/2"	1 1/2"
EB-8	8	A325	1/2"	1 1/2"
WF-1 - WF-2	8	A325	3/4"	2 3/4"
WF-1 - RF1-7/8	12	A325	5/8"	1 3/4"
WF-1 - RF2-4	12	A325	5/8"	1 3/4"

MEMBER TABLE FRAME LINE D		
MARK	PART	LENGTH
WF-1	B14a5c	15'-10"
WF-2	B16a6c	21'-8 7/8"
EB-4	C82516	5'-0 15/16"
EB-5	C82516	5'-0 15/16"
EB-6	W8X13	7'-10 7/16"
EB-7	W8X13	7'-10 7/16"
EB-8	W8X13	7'-10 7/16"
DU-1	C83516	11'-7 3/4"
DH-2	C82516	16'-6 1/2"
DH-3	C82516	18'-6 1/4"
DH-7	C82516	18'-6 1/2"
G-26	Z82516	5'-2 1/2"
G-27	Z82512	26'-2 1/2"
G-28	Z82516	26'-2 1/2"
G-29	Z82516	23'-6 3/4"
G-30	Z82512	23'-6 3/4"
G-31	C82514	24'-1 1/2"
G-32	Z82514	23'-6 3/4"
G-33	Z82516	5'-3 1/4"
G-34	Z82516	26'-9 1/2"
G-35	Z82516	26'-9 1/2"
G-36	Z82516	23'-11 1/2"
G-37	Z82512	23'-11 1/2"
G-38	C82514	25'-6 3/4"
G-39	Z82514	23'-11 1/2"
G-40	Z82516	5'-2 3/4"
G-41	Z82516	26'-9 1/2"
G-42	Z82516	23'-11 1/2"
G-43	Z82512	23'-11 1/2"
G-44	C82514	25'-6 3/4"
G-45	Z82516	5'-8"
G-46	Z82512	26'-2 1/2"
G-47	Z82516	5'-1 1/4"
G-70	Z82516	26'-2 1/2"
G-73	C82514	7 1/2"

TRIM TABLE FRAME LINE D		
◇ID	PART	DETAIL
1	BA204	SECTION-T1
2	HE172	TRIM_723
3	JH172	TRIM_723
4	HE192	TRIM_723
5	JH192	TRIM_723
6	JA105	TRIM_31
7	JH105	TRIM_31
8	OU202	TRIM_26
9	SF-4	TRIM_26
10	SF-3	TRIM_200
11	SF-5 (A)	TRIM_200
15	TI202	TRIM_356
16	IC1	TRIM_40
17	SF-5 (B)	TRIM_200

CONNECTION PLATES FRAME LINE D	
□ID	MARK/PART
1	SC47
2	SC45
3	SC48
4	PL1
5	PL3
6	PL4
7	PL5

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DRAWING STATUS

- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☐ For Construction Permit
- ☒ For Erector Installation

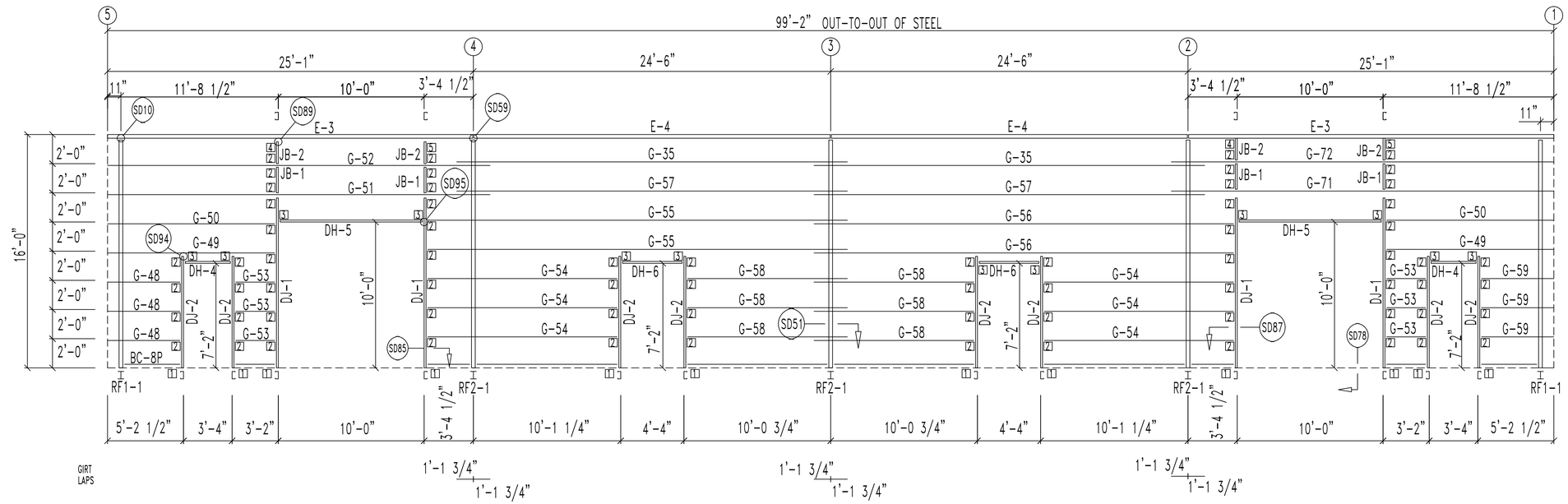
Sheet Number	E3 OF E9
Project Engineer	JRC
Drawn By:	MAR
Checked By:	PNR
Scale:	NTS

Revision	Date	Description	By	Chk'd
A	06/17/22	ISSUED FOR PERMIT	MAR	PNR
B	07/13/22	REVISED FOR PERMIT	PSK	PNR
0	08/29/22	ISSUED FOR CONSTRUCTION	PSK	KDR

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 16:01:30 -05'00'

DOWNSPOUT LOCATIONS

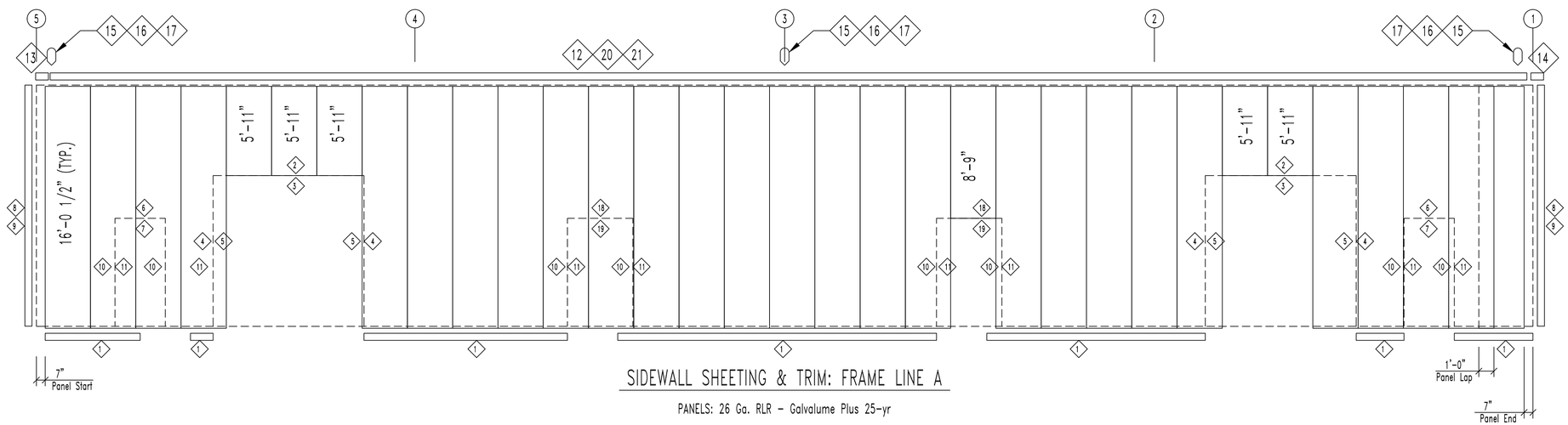


SIDEWALL FRAMING: FRAME LINE A

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
DJ-1	C83516	11'-7 3/4"
DJ-2	C83516	7'-7 3/4"
DH-4	C82516	3'-3 1/2"
DH-5	C82516	9'-11 1/2"
DH-6	C82516	4'-3 1/2"
E-3	C8534DUO	24'-4 1/2"
E-4	C8534DUO	24'-5 1/2"
G-35	Z82516	26'-9 1/2"
G-48	Z82516	4'-10 1/4"
G-49	Z82516	11'-4 1/4"
G-50	Z82516	11'-4 1/4"
G-51	Z83512	26'-2 1/2"
G-52	Z82516	26'-2 1/2"
G-53	Z82516	2'-6"
G-54	Z82516	12'-9 3/4"
G-55	Z82516	28'-8 1/4"
G-56	Z82516	28'-8 1/4"
G-57	Z83516	26'-9 1/2"
G-58	Z82516	10'-10 1/2"
G-59	Z82516	4'-10 1/4"
G-71	Z83512	26'-2 1/2"
G-72	Z82516	26'-2 1/2"
JB-1	C82516	1'-4"
JB-2	C82516	11 3/4"

CONNECTION PLATES FRAME LINE A	
ID	MARK/PART
1	SC47
2	SC45
3	SC48
4	e2
5	e1

TRIM TABLE FRAME LINE A		
ID	PART	DETAIL
1	BA204	SECTION-T1
2	HE107	TRIM_723
3	JH107	TRIM_723
4	JA105	TRIM_31
5	JH105	TRIM_31
6	HE0311	TRIM_723
7	JH0311	TRIM_723
8	OU202	TRIM_26
9	SF-4	TRIM_26
10	JA077	TRIM_31
11	JH077	TRIM_31
12	GU-100A	TRIM_2
13	GEC-1L	TRIM_2
14	GEC-1R	TRIM_2
15	SF-6	TRIM_90
16	SF-7	TRIM_90
17	SF-10	TRIM_90
18	HE0411	TRIM_723
19	JH0411	TRIM_723
20	GS9	TRIM_2
21	SF-8	TRIM_2



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. RLR – Galvalume Plus 25-yr

ASCENT BUILDINGS
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Job Number
22-10407

Customer
Barefoot Building Company

Project Name & Location
T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☐ For Construction Permit
- ☒ For Erector Installation

Sheet Number E4 OF E9
Project Engineer JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

Revision	Description	Date	By	Chk'd
A	ISSUED FOR PERMIT	06/17/22	MAR	PNR
B	REVISED FOR PERMIT	07/13/22	PSK	PNR
0	ISSUED FOR CONSTRUCTION	08/29/22	PSK	KDR

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

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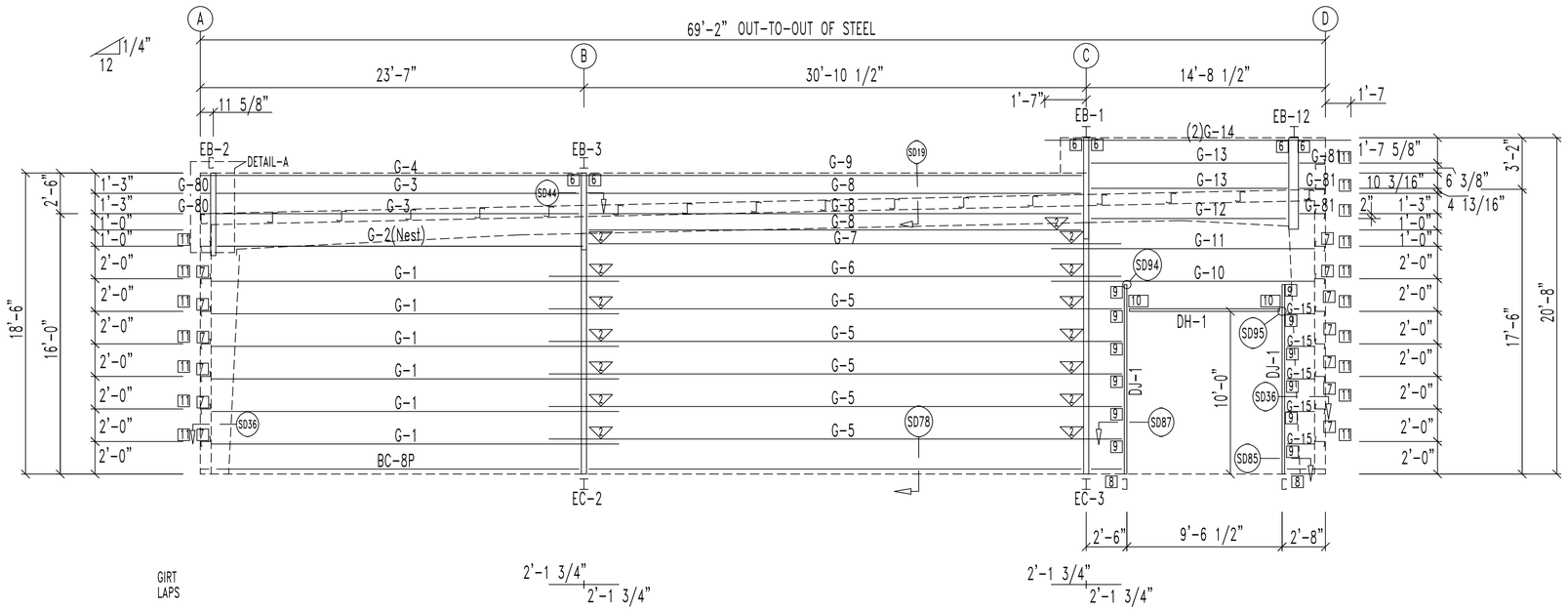
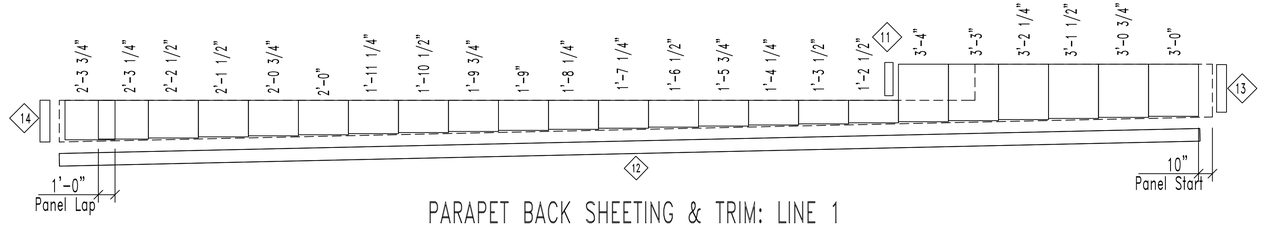
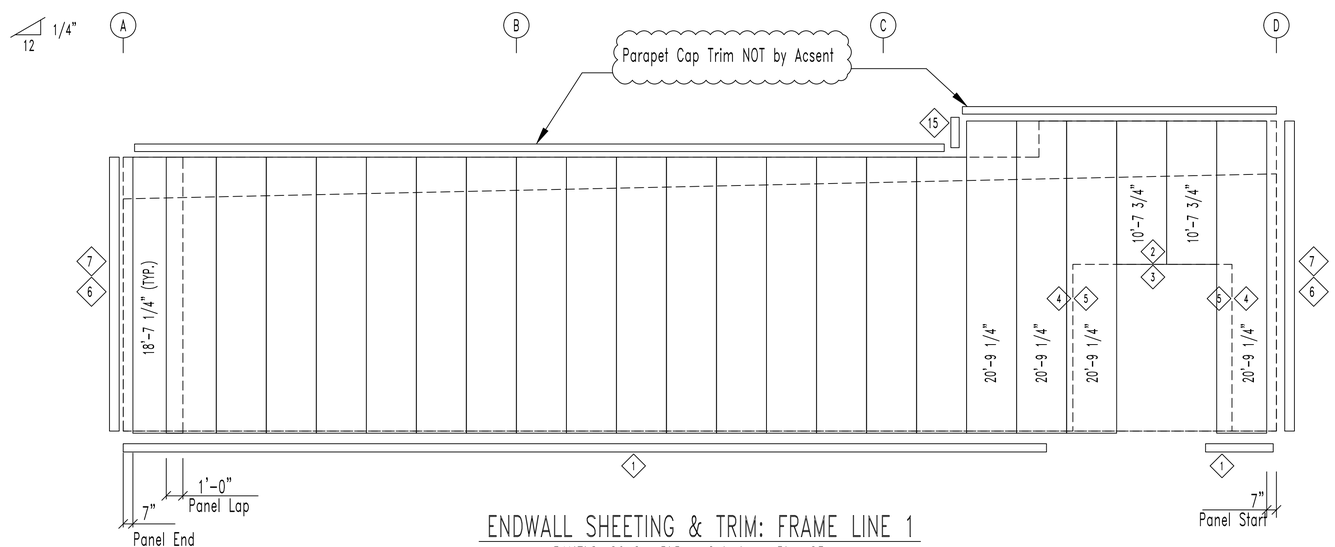


ENDWALL FRAMING: FRAME LINE 1



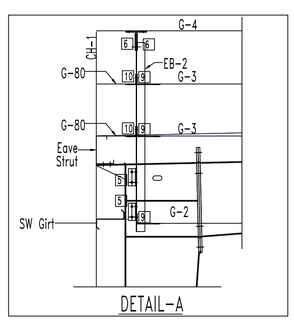
PARAPET BACK SHEETING & TRIM: LINE 1

PANELS: 26 Ga. ML - Brown



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. RLR - Galvalume Plus 25-yr



DETAIL-A

BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Int_Column/Raf	4	A325	3/4"	1 3/4"
EB-1	8	A325	1/2"	1 1/2"
EB-2	12	A325	1/2"	1 1/2"
EB-3	8	A325	1/2"	1 1/2"
EB-12	6	A325	1/2"	1 1/2"

MEMBER TABLE FRAME LINE 1		
MARK	PART	LENGTH
EB-1	W8X10	5'-10"
EB-2	C82516	4'-3 11/16"
EB-3	W8X10	4'-8 3/4"
EB-12	W8X10	5'-10 7/8"
EC-2	W8X10	14'-9 7/16"
EC-3	W8X10	15'-5 7/16"
DJ-1	C83516	11'-7 3/4"
DH-1	C82516	9'-6"
G-1	Z82516	25'-0 1/2"
G-2	Z82516	22'-0 1/8"
G-3	Z82516	22'-0 1/8"
G-4	C82516	23'-6 1/2"
G-5	Z82516	35'-2 1/4"
G-6	Z82516	35'-2"
G-7	Z83512	32'-9"
G-8	Z82512	30'-4"
G-9	C82516	30'-7"
G-10	Z82516	16'-2"
G-11	Z83516	16'-2"
G-12	Z82516	12'-8"
G-13	Z82516	12'-8"
G-14	C82514	17'-10 1/2"
G-15	Z82516	1'-7 3/4"
G-80	Z82516	11 1/8"
G-81	Z82516	1'-2 1/2"

TRIM TABLE FRAME LINE 1		
◇ID	MARK	DETAIL
1	BA204	SECTION-T1
2	HE102	TRIM_723
3	JH102	TRIM_723
4	JA105	TRIM_31
5	JH105	TRIM_31
6	OU202	TRIM_26
7	SF-4	TRIM_26
11	SF-5 (A)	TRIM_200
12	ST202	TRIM_18A
13	IC1	TRIM_40
14	SF-2	TRIM_92
15	SF-5 (B)	TRIM_200

FLANGE BRACE TABLE FRAME LINE 1				
▽ID	MARK	LENGTH	CLIP 1	CLIP 2
2	FB24.3	2'-0 1/4"	SC196	SC199

CONNECTION PLATES FRAME LINE 1	
□ID	MARK/PART
5	PL2
6	PL3
7	r1
8	SC47
9	SC45
10	SC48
11	SC5

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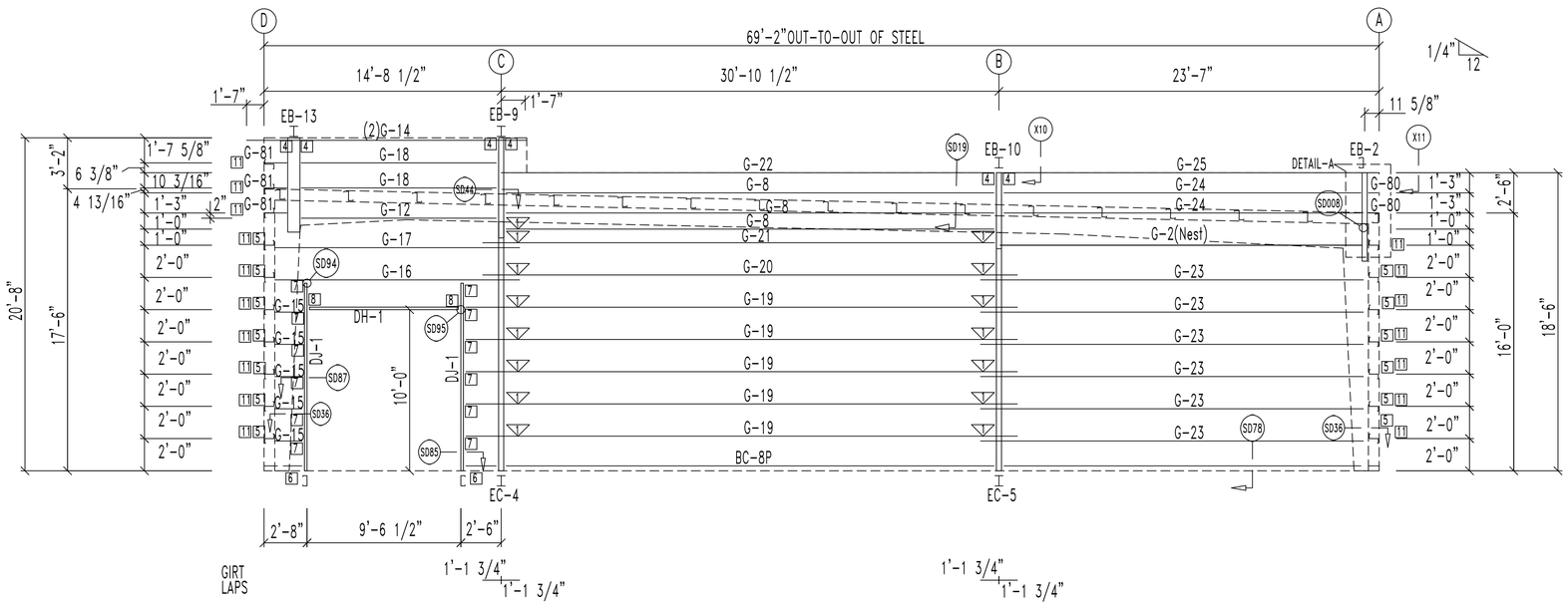
Checked By: PNR
Scale: NTS

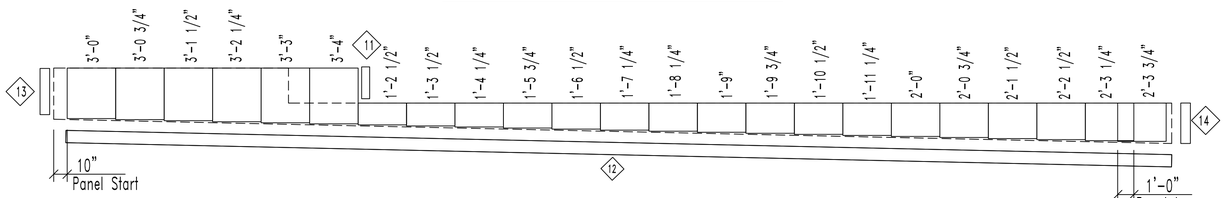
Revision	Date	Description	By	Chk'd
A	06/17/22	ISSUED FOR PERMIT	MAR	PNR
B	07/13/22	REVISED FOR PERMIT	PSK	PNR
0	08/29/22	ISSUED FOR CONSTRUCTION	PSK	KDR

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 16:00:50 -05'00'

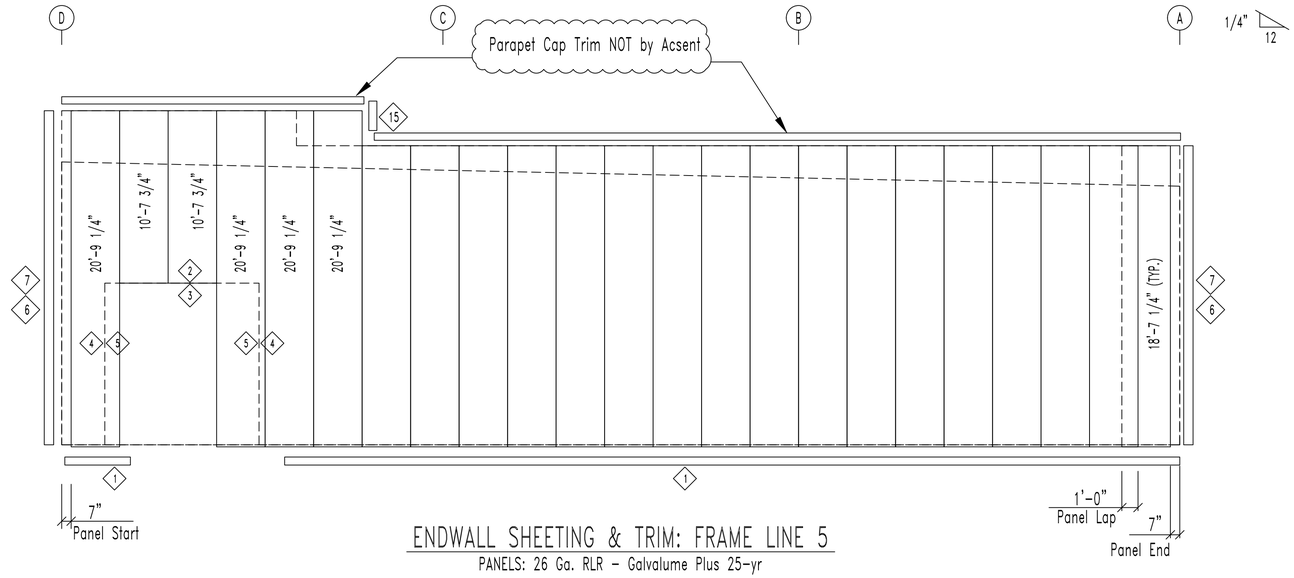


ENDWALL FRAMING: FRAME LINE 5



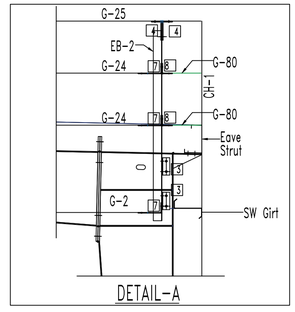
PARAPET BACK SHEETING & TRIM: LINE 5

PANELS: 26 Ga. ML - Brown



ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 Ga. RLR - Galvalume Plus 25-yr



DETAIL-A

BOLT TABLE
FRAME LINE 5

LOCATION	QUAN	TYPE	DIA	LENGTH
Int_Column/Raf	4	A325	3/4"	1 3/4"
EB-9	8	A325	1/2"	1 1/2"
EB-10	8	A325	1/2"	1 1/2"
EB-2	12	A325	1/2"	1 1/2"
EB-13	6	A325	1/2"	1 1/2"

MEMBER TABLE
FRAME LINE 5

MARK	PART	LENGTH
EB-9	W8X10	5'-10"
EB-10	W8X10	4'-8 3/4"
EB-2	C82516	4'-3 11/16"
EB-13	W8X10	5'-10 7/8"
EC-4	W8X10	15'-5 7/16"
EC-5	W8X10	14'-9 7/16"
DJ-1	C83516	11'-7 3/4"
DH-1	C82516	9'-6"
G-2	Z82516	22'-0 1/8"
G-8	Z82512	30'-4"
G-12	Z82516	12'-8"
G-14	C82514	17'-10 1/2"
G-15	Z82516	1'-7 3/4"
G-16	Z82516	15'-2"
G-17	Z83516	15'-2"
G-18	Z82516	12'-8"
G-19	Z82516	34'-2 1/4"
G-20	Z82516	33'-2"
G-21	Z83512	31'-9"
G-22	C83514	30'-7"
G-23	Z82516	24'-0 1/2"
G-24	Z82516	22'-0 1/8"
G-25	C82516	23'-6 1/2"
G-80	Z82516	11 1/8"
G-81	Z82516	1'-2 1/2"

TRIM TABLE
FRAME LINE 1

◇ID	MARK	DETAIL
1	BA204	SECTION-T1
2	HE102	TRIM_723
3	JH102	TRIM_723
4	JA105	TRIM_31
5	JH105	TRIM_31
6	OU202	TRIM_26
7	SF-4	TRIM_26
11	SF-5 (A)	TRIM_200
12	SF-11	TRIM_18A
13	IC1	TRIM_40
14	SF-2	TRIM_92
15	SF-5 (B)	TRIM_200

FLANGE BRACE TABLE
FRAME LINE 1

▽ID	MARK	LENGTH	CLIP 1	CLIP 2
1	FB24.3	2'-0 1/4"	SC196	SC199

CONNECTION PLATES
FRAME LINE 5

□ID	MARK/PART
3	PL2
4	PL3
5	r1
6	SC47
7	SC45
8	SC48
11	SC48

ASCENT BUILDINGS
214 Fountainhead Road
Portland, TN 37148
(615)-252-2880
www.ascentbuildings.com

Job Number
22-10407

Customer
Barefoot Building Company

Project Name & Location
T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☐ For Construction Permit
- ☒ For Erector Installation

Sheet Number E6 OF E9
Project Engineer JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

Revision	Date	Description	By	Chk'd
A	06/17/22	ISSUED FOR PERMIT	MAR	PNR
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NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 16:00:13 -05'00'

FLANGE BRACE TABLE
FRAME LINE 1 5

▽ ID	# SIDES	MARK	LENGTH	OFFSET	DETAIL	CLIP	CLIP2	PART
1	1	FB27.3	2'-3 1/4"	2'-4"	G26	SC196	SC199	FB2X1/8
2	1	FB25.5	2'-1 1/2"	2'-4"	G26	SC196	SC199	FB2X1/8
3	1	FB25.3	2'-1 1/4"	2'-4"	G26	SC196	SC199	FB2X1/8
4	1	FB26.5	2'-2 1/2"	2'-4"	G26	SC196	SC199	FB2X1/8

SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	0	A325	1/2"	1 3/4"	6"	1/2"	2'-3 1/4"
SP-2	4	4	0	A325	1/2"	1 1/2"	6"	1/4"	1'-9 1/4"
SP-3	4	4	0	A325	1/2"	1 1/2"	6"	3/8"	1'-9 1/4"
SP-4	4	4	0	A325	5/8"	2"	6"	1/2"	2'-3 1/4"

CAP PLATE BOLTS

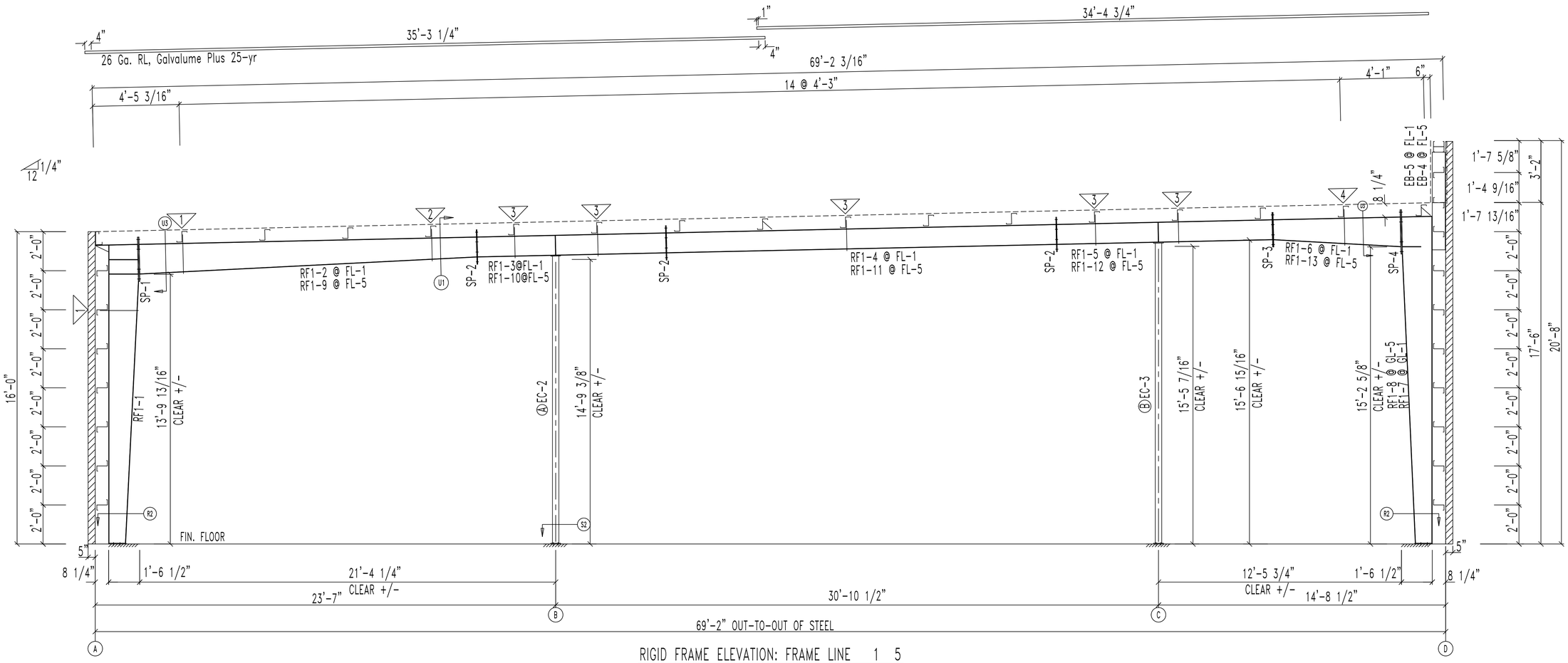
Mark	Qty	Type	Dia	Length
EC-2	4	A325	3/4"	1 3/4"
EC-3	4	A325	3/4"	1 3/4"

ALTERNATE MEMBER

Frame Line	○ID	Mark
5	A	EC-5
	B	EC-4

MEMBER TABLE

Mark	Weight	Length	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	299	15'-3 15/16"	10.0/18.0	0.135	15'-3 9/16"	5 x 1/4" x 15'-3 3/16" 5 x 1/4" x 2'-2"	5 x 1/4" x 13'-5 1/8"
RF1-2/RF1-9	309	17'-4 1/16"	18.0/12.0	0.135	17'-3 5/16"	5 x 1/4" x 17'-3 5/16"	5 x 1/4" x 17'-3 3/8"
RF1-3/RF1-10	164	9'-8 5/16"	12.0/12.0	0.135	9'-7 13/16"	5 x 1/4" x 9'-7 13/16"	5 x 1/4" x 9'-7 13/16"
RF1-4/RF1-11	311	20'-0"	12.0/12.0	0.135	19'-11 1/2"	5 x 1/4" x 19'-11 1/2"	5 x 1/4" x 19'-11 1/2"
RF1-5/RF1-12	190	11'-1"	12.0/12.0	0.135	11'-0 3/8"	5 x 1/4" x 11'-0 3/8"	5 x 1/4" x 11'-0 3/8"
RF1-6/RF1-13	140	6'-6 7/8"	12.0/18.0	0.135	6'-5"	5 x 1/4" x 6'-6"	5 x 1/4" x 6'-6 3/16"
RF1-7	382	16'-9 9/16"	18.5/10.0	0.188	16'-8 13/16"	6 x 1/4" x 1'-6 3/4" 6 x 1/4" x 16'-8 13/16"	6 x 1/4" x 14'-9 15/16"
EC-2	176	14'-9 7/16"	W8X10				
EC-3	187	15'-5 7/16"	W8X10				
EB-4	14	5'-0 15/16"	C82516				
EB-5	14	5'-0 15/16"	C82516				



RIGID FRAME ELEVATION: FRAME LINE 1 5

ASCENT BUILDINGS
214 Fountainhead Road
Portland, TN 37148
(615)-252-2880
www.ascentbuildings.com

Job Number
22-10407

Customer
Barefoot Building Company

Project Name & Location
T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☐ For Construction Permit
- ☒ For Erector Installation

Sheet Number E7 OF E9
Project Engineer JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

Revision	Date	Description	By	Chk'd
A	06/17/22	ISSUED FOR PERMIT	MAR	PNR
B	07/13/22	REVISED FOR PERMIT	PSK	PNR
0	08/29/22	ISSUED FOR CONSTRUCTION	PSK	KDR

The Engineer whose seal appears hereon is an employee for the manufacturer for the material described herein. Said seal or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for the project

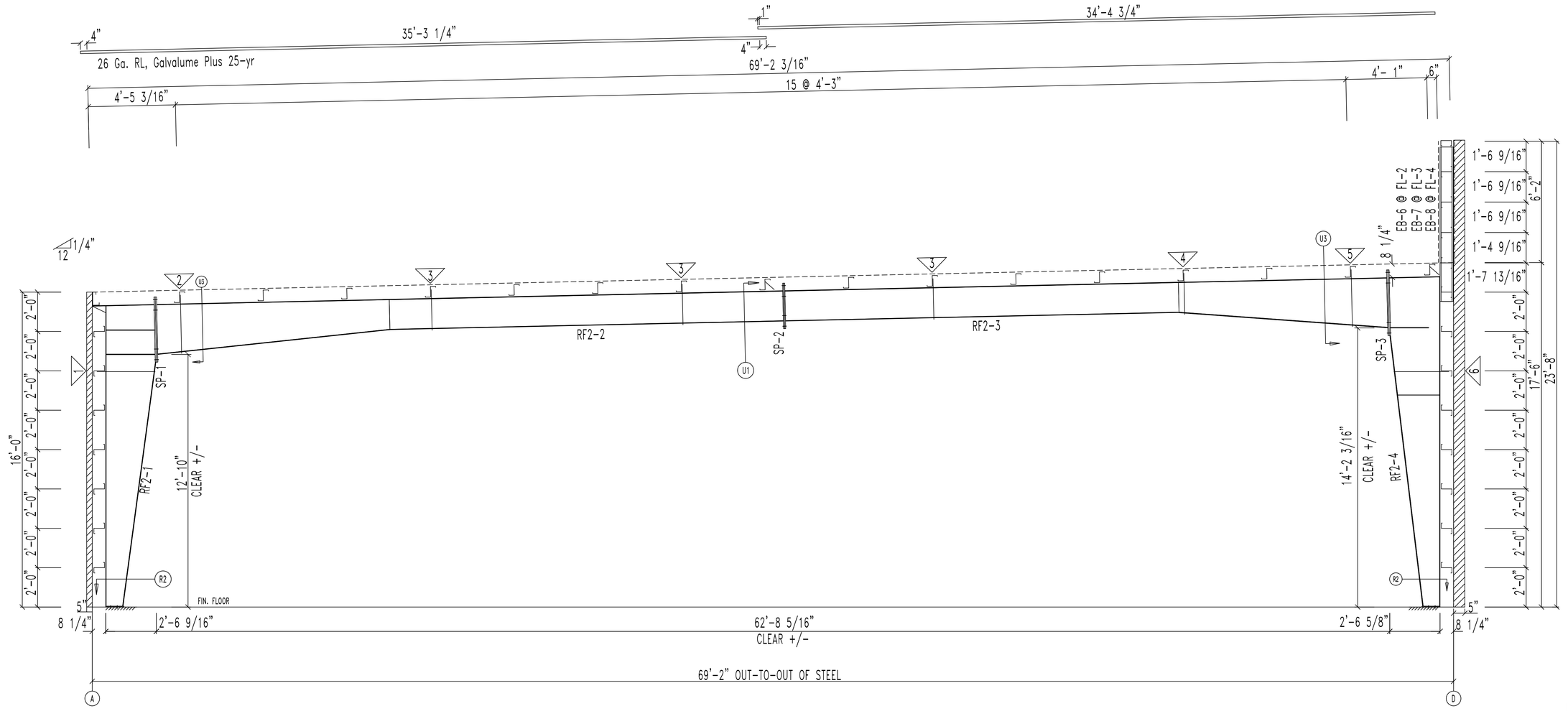
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 15:59:56 -05'00'

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

FLANGE BRACE TABLE FRAME LINE 2-4								
▽ ID	# SIDES	MARK	LENGTH	OFFSET	DETAIL	CLIP	CLIP2	PART
1	1	FB35	2'-11"	2'-4"	G26	SC196	SC199	FB2X1/8
2	1	FB34.8	2'-10 3/4"	2'-4"	G26	SC196	SC199	FB2X1/8
3	1	FB27.8	2'-3 3/4"	2'-4"	G26	SC196	SC199	FB2X1/8
4	1	FB28	2'-4"	2'-4"	G26	SC196	SC199	FB2X1/8
5	1	FB34	2'-10"	2'-4"	G26	SC196	SC199	FB2X1/8
6	1	FB33.8	2'-9 3/4"	2'-4"	G26	SC196	SC199	FB2X1/8

MEMBER TABLE							
Mark	Weight	Length	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-1	492	15'-3 7/8"	10.0/30.0	0.188	15'-3 3/4"	6 x 1/4" x 15'-3 1/8" 6 x 1/4" x 3'-1 3/4"	6 x 5/16" x 12'-6 1/16"
RF2-2	878	31'-11 1/4"	30.0/18.0	0.188	11'-9 7/8"	6 x 1/4" x 11'-5 7/8"	6 x 5/16" x 11'-10 3/8"
			18.0/18.0	0.188	20'-0"	6 x 5/16" x 20'-4"	6 x 1/4" x 20'-0"
RF2-3	855	30'-8 7/16"	18.0/18.0	0.188	20'-0"	6 x 5/16" x 20'-4"	6 x 1/4" x 20'-0"
			18.0/30.0	0.188	10'-7 1/16"	6 x 1/4" x 10'-3 1/16"	6 x 3/8" x 10'-7 9/16"
RF2-4	565	16'-9 1/2"	30.8/25.6	0.250	6'-0"	6 x 1/4" x 2'-7"	6 x 3/8" x 13'-10 1/4"
			25.6/10.0	0.188	10'-8 3/4"	6 x 1/4" x 16'-8 3/4"	
EB-6	127.5	7'-10 7/16"	W8X13				
EB-7	131.1	7'-10 7/16"	W8X13				
EB-8	130.1	7'-10 7/16"	W8X13				



RIGID FRAME ELEVATION: FRAME LINE 2-4

ASCENT BUILDINGS
214 Fountainhead Road
Portland, TN 37148
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Job Number
22-10407

Customer
Barefoot Building Company

Project Name & Location
T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

- ☐ Preliminary (Not For Construction)
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- ☒ For Erector Installation

Sheet Number E8 OF E9
Project Engineer JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

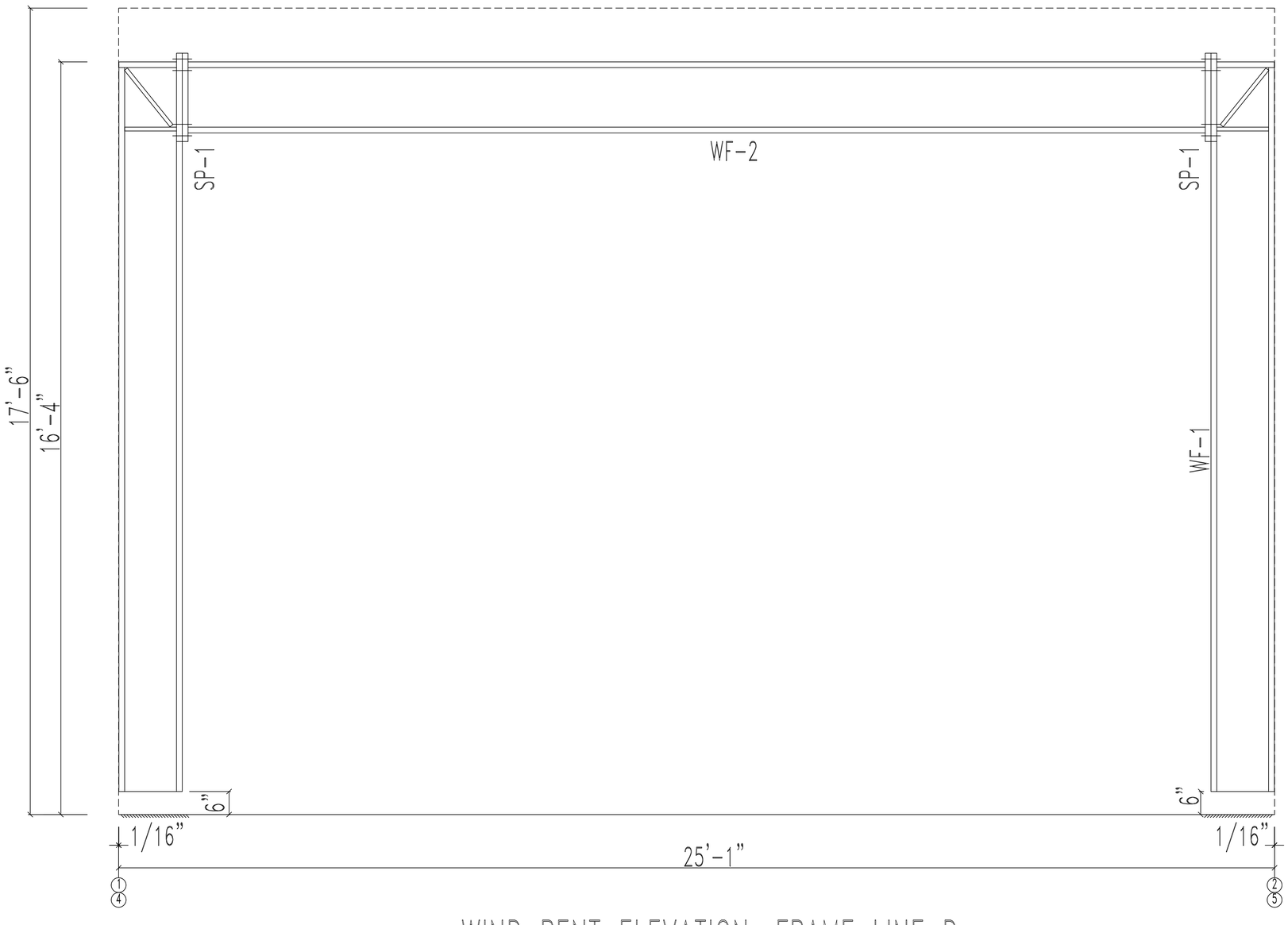
Revision	Date	By	Chk'd	Description
A	06/17/22	MAR	PNR	ISSUED FOR PERMIT
B	07/13/22	PSK	PNR	REVISED FOR PERMIT
0	08/29/22	PSK	KDR	ISSUED FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

2022.09.06 15:59:40 -05'00'

SPLICE BOLTS					
Splice Mark	Quan Top/	Bot	-----Bolt----- Type	Dia	Length
SP- 1	4	4	A325	3/4"	2 3/4"

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-2	B16a6c	21'-8 7/8"
WF-1	B14a5c	15'-10"



WIND BENT ELEVATION: FRAME LINE D

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Job Number
22-10407

Customer
Barefoot Building Company

Project Name & Location
T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

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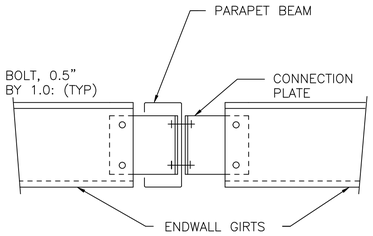
Sheet Number E9 OF E9
Project Engineer JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

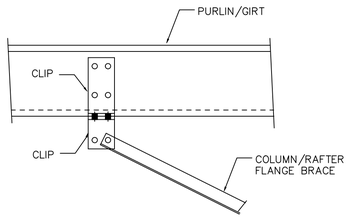
Revision	Date	Description	By	Chk'd
A	06/17/22	ISSUED FOR PERMIT	MAR	PNR
B	07/13/22	REVISED FOR PERMIT	PSK	PNR
0	08/29/22	ISSUED FOR CONSTRUCTION	MAR	KDR

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

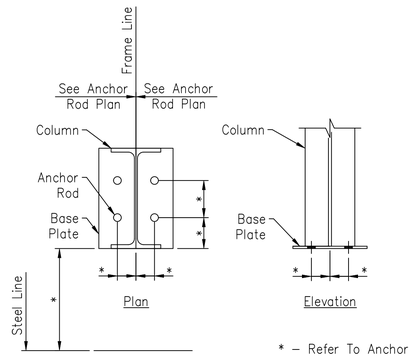
Jason Speegle 2022.09.06 15:43:25 -05'00'



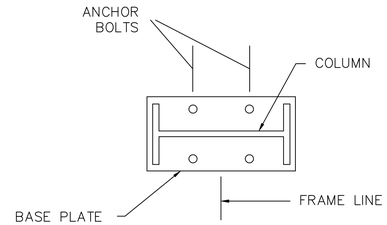
C27 WALL GIRT TO PARAPET BEAM



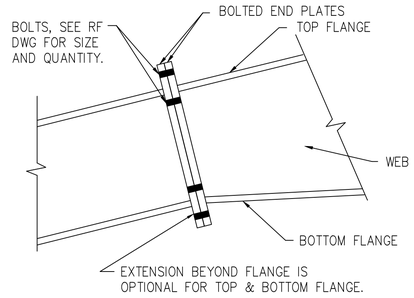
G26 FLANGE BRACE TO PURLIN/GIRT CLIPS



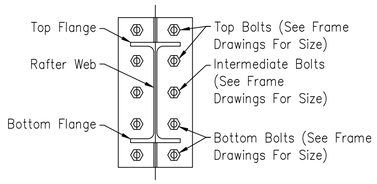
R2 Anchor Rods At Frame Column



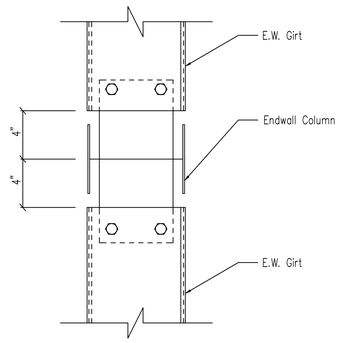
S2 INTERIOR COLUMN ANCHOR BOLTS



U1 Bolted End Plate Rafter Connection

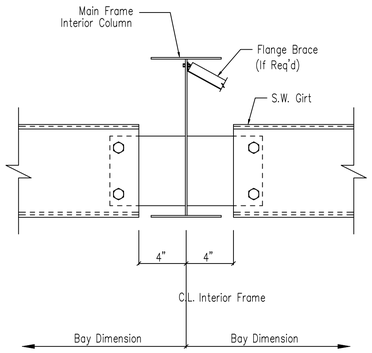


U3 Bolts At Rigid Frame Rafter To Column Connection



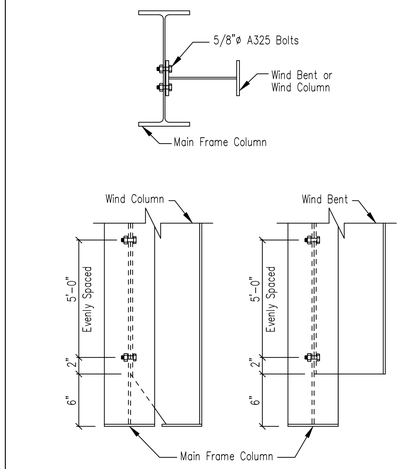
Note: All connection bolts are 1/2" x 1-1/4" machine bolts unless noted.

Girt to Hot Rolled Endwall Column Connection — DRAWING NO. SD44

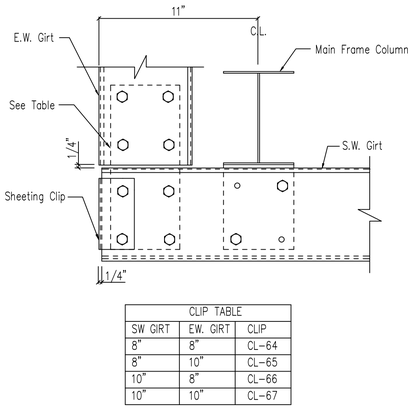


Note: All connection bolts are 1/2" x 1" machine bolts unless noted.

Section at Interior MF Column
Flush Sidewall — DRAWING NO. SD49



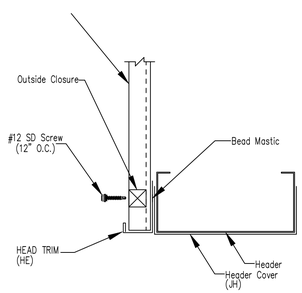
Wind Column/Wind Frame Detail — DRAWING NO. SD70



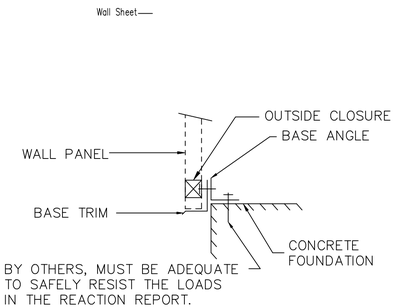
CLIP TABLE		
SW GIRT	EW. GIRT	CLIP
8"	8"	CL-64
8"	10"	CL-65
10"	8"	CL-66
10"	10"	CL-67

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

Section at MF Corner Column
Flush Endwall — DRAWING NO. SD36



TRIM_723 Trim At Header Framed Opening



T1 SECTION THRU WALL PANEL AND CONCRETE FOUNDATION

ASCENT BUILDINGS
214 Fountainhead Road
Portland, TN 37148
(615)-252-2880
www.ascentbuildings.com

Job Number: 22-10407

Customer: Barefoot Building Company

Project Name & Location: T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☐ For Construction Permit
- ☒ For Erector Installation

Sheet Number: D1 OF D4
Project Engineer: JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

Revision	Date	Description	By	Chk'd
A	06/17/22	ISSUED FOR PERMIT	MAR	PNR
B	07/13/22	REVISED FOR PERMIT	PSK	PNR
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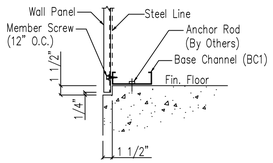
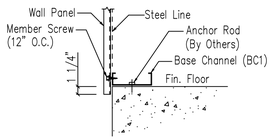
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 15:43:10 -05'00'



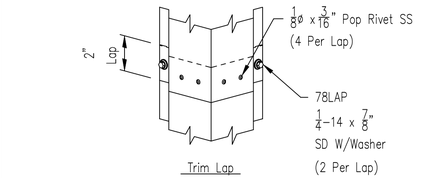
Base Detail w/ Sheeting Notch



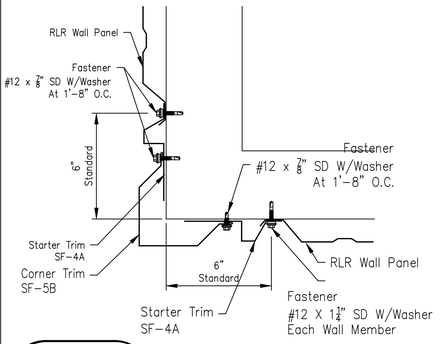
Base Detail w/o Sheeting Notch

See Trim Details for Optional Base Flashing
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.

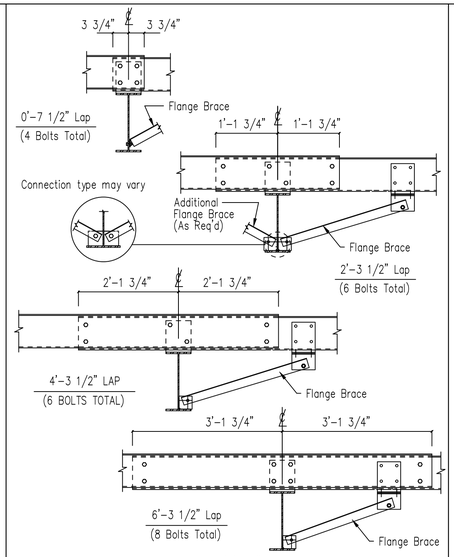
Base Channel Installation — DRAWING NO. SD78



Trim Lap



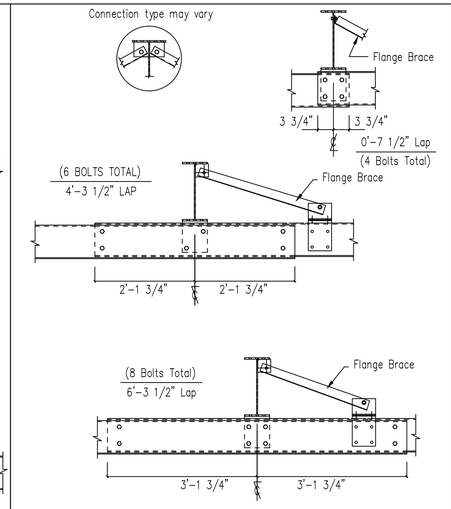
TRIM_26 — Corner Trim On Module



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

Created On: 8/26/11

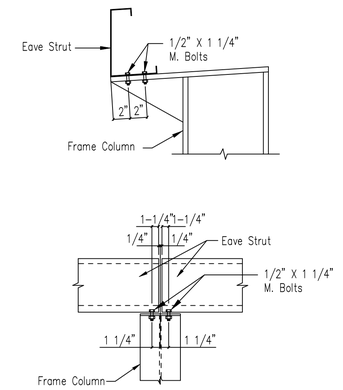
Interior Bay Purlin Framing — DRAWING NO. SD50



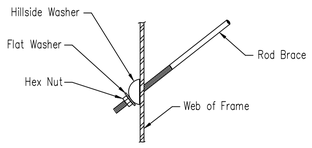
Note: All connection bolts are 1/2" x 1" machine bolts unless noted.

Created On: 8/26/11

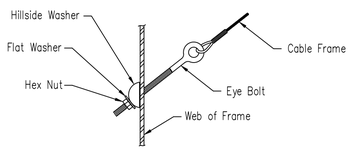
Interior Bay Girt Framing — DRAWING NO. SD51



Eave Strut at Interior Column
By-Pass Sidewall — DRAWING NO. SD59

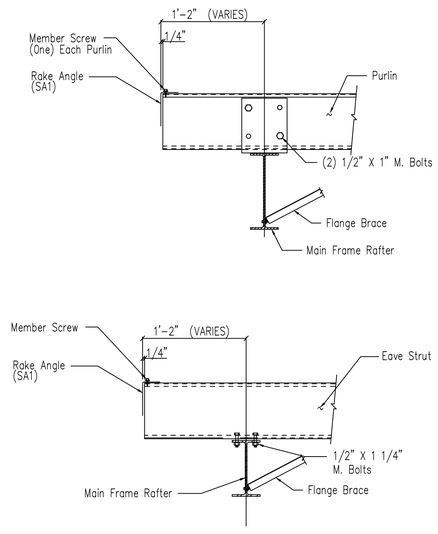


Rod Brace to Frame Detail



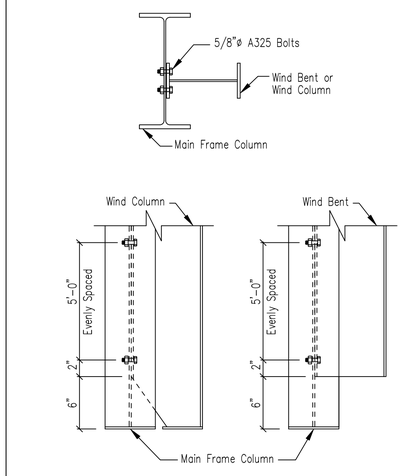
Cable Brace to Frame Detail

Cable or Rod Brace to Frame Connection — DRAWING NO. SD66

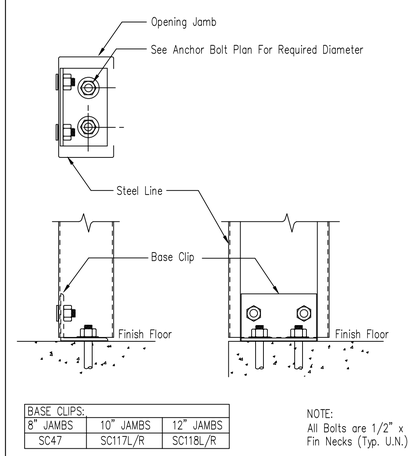


Main Frame Rafter Connection
PURLIN & EAVE STRUT CONNECTION — DRAWING NO. SD10

Created On: 7/22/11



Wind Column/Wind Frame Detail — DRAWING NO. SD70

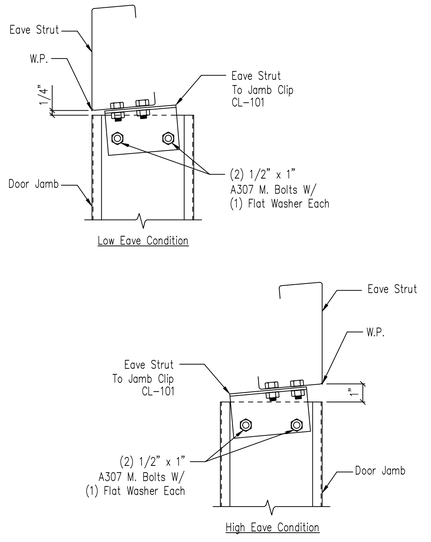


BASE CLIPS:		
8" JAMBS	10" JAMBS	12" JAMBS
SC47	SC117L/R	SC118L/R

NOTE:
All Bolts are 1/2" x 1"
Fin Necks (Typ. U.N.)

Revised 4/28/22

Jamb to Floor — DRAWING NO. SD85



Jamb To Eave Strut w/ 8" Jamb
1:12 Roof Pitch and Lower — DRAWING NO. SD89

Created On: 9/2/11

ASCENT BUILDINGS
214 Fountainhead Road
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(615)-252-2880
www.ascentbuildings.com

Job Number: 22-10407

Customer: Barefoot Building Company

Project Name & Location:
T&L Coats Building 2
Coats, NC 27521

DRAWING STATUS

- ☐ Preliminary (Not For Construction)
- ☐ For Approval (Not For Construction)
- ☐ For Construction Permit
- ☒ For Erector Installation

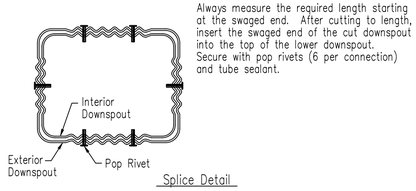
Sheet Number: D2 OF D4
Project Engineer: JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

Revision	Date	Description	By	Chk'd
	06/17/22	ISSUED FOR PERMIT	MAR	PNR
B	07/13/22	REVISED FOR PERMIT	PSK	PNR
A	08/29/22	ISSUED FOR CONSTRUCTION	PSK	KDR

The Engineer whose seal appears hereon is an employee for the manufacturer for the material described herein. Said seal or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for the project

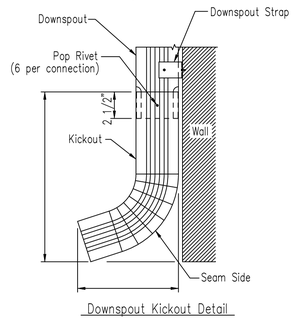
NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 15:42:57 -05'00'



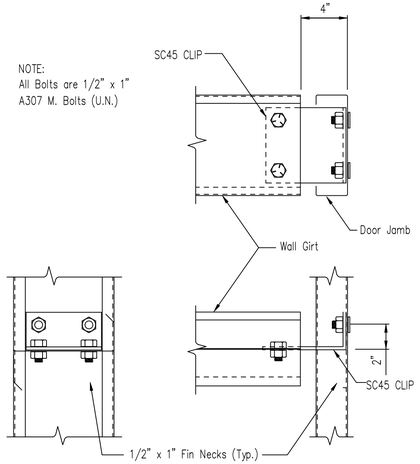
Always measure the required length starting at the swaged end. After cutting to length, insert the swaged end of the cut downspout into the top of the lower downspout. Secure with pop rivets (6 per connection) and tube sealant.

Splice Detail

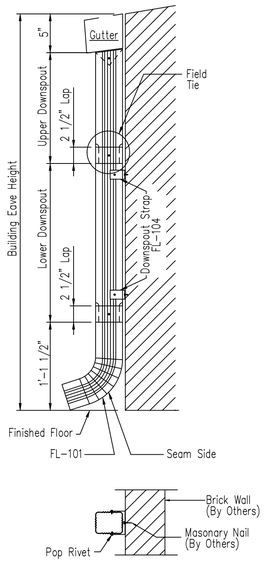


Downspout Kickout Detail

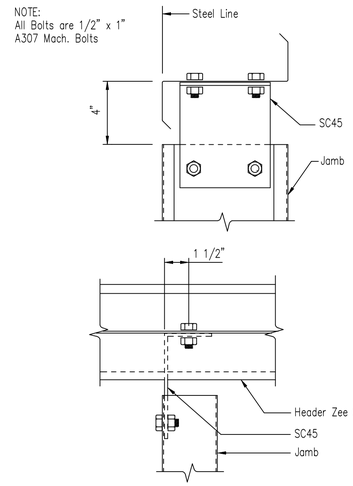
TRIM_96 Roll Formed Downspout Kickout & Splice Detail



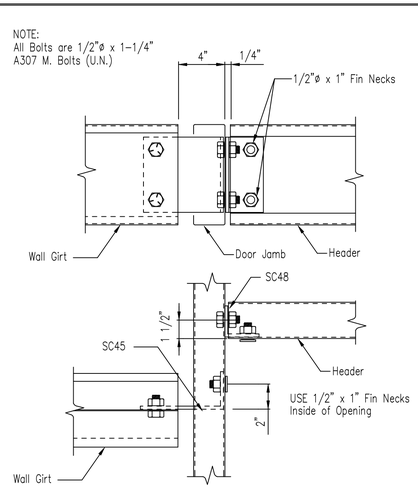
Girt to Jamb (Bolted Clips) DRAWING NO. SD87



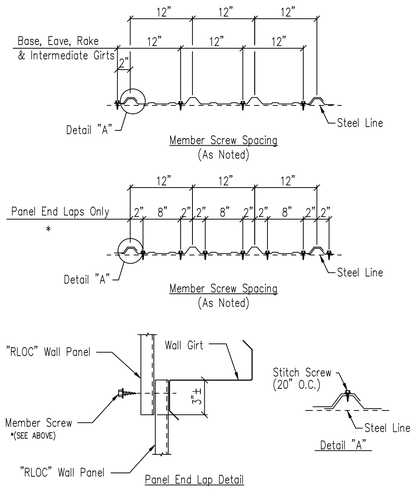
TRIM_90 Roll Formed Downspout



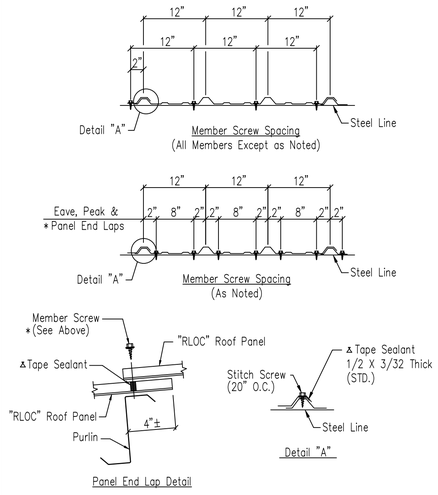
Jamb to Header Girt DRAWING NO. SD94



Girt/Header to Jamb (Bolted Clips) DRAWING NO. SD95

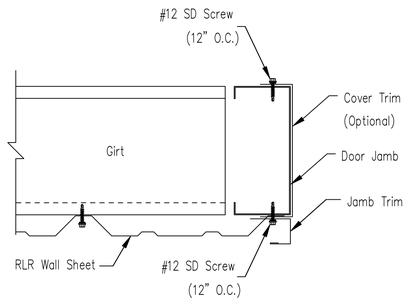


TRIM_1 FASTENER LOCATION 'RLOC' PANEL AT WALL

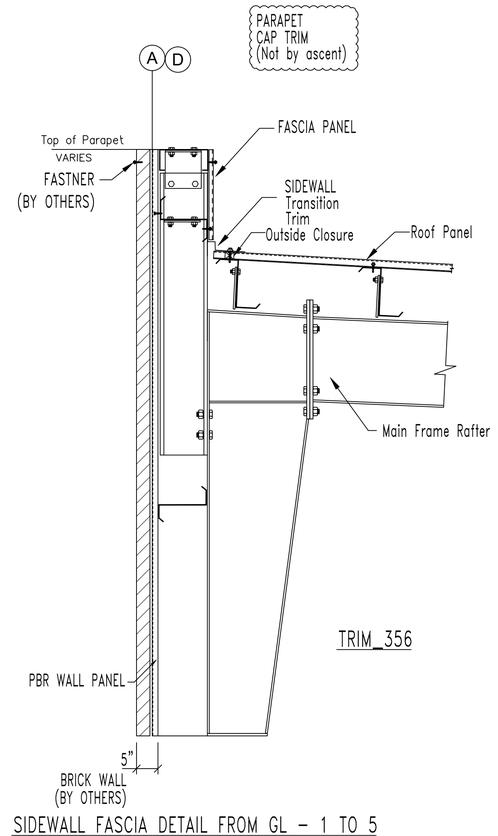


NOTE: Screw patterns shown satisfy U.L. 90 requirements for roof.

TRIM_7 FASTENER LOCATION 'RLOC' PANEL AT ROOF



TRIM_31 Trim At Framed Opening Jamb



TRIM_356

SIDEWALL FASCIA DETAIL FROM GL - 1 TO 5 (@ HIGH SIDE)

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Sheet Number D3 OF D4
Project Engineer JRC
Drawn By: MAR
Checked By: PNR
Scale: NTS

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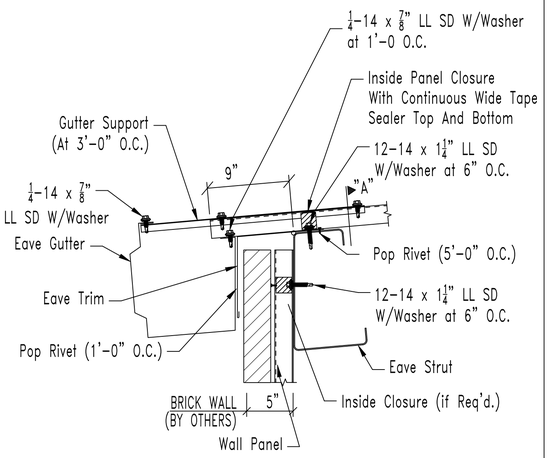
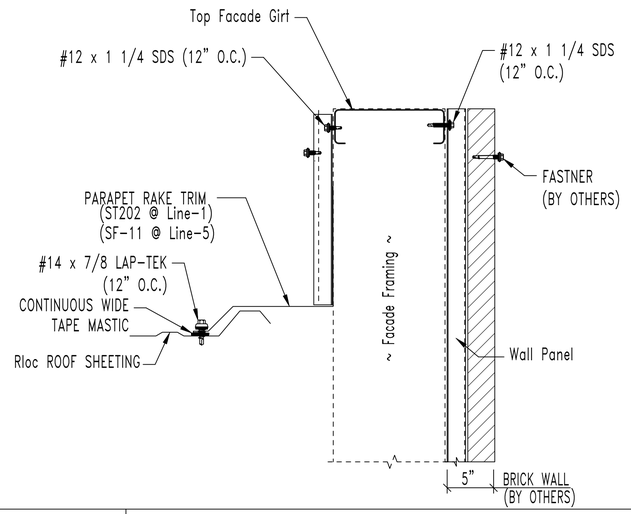
B	07/13/22	PSK	PNR	REVISED FOR PERMIT
D	08/29/22	PSK	KDR	ISSUED FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEIGLE

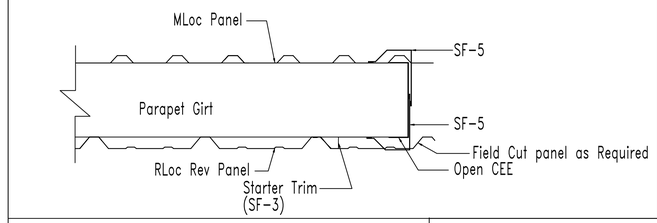
Jason Speigle 2022.09.06 15:42:37 -05'00'

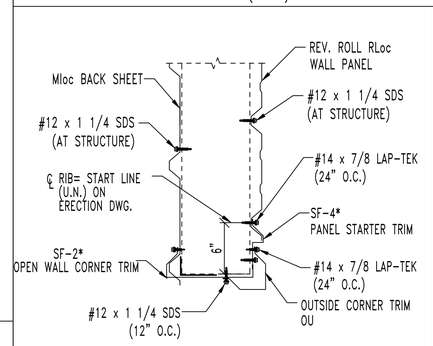


TRIM_2 Detail At Eave - Gutter

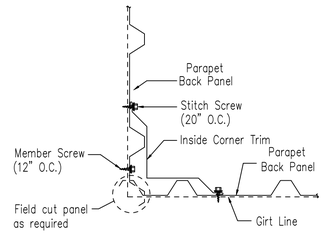


TRIM_18A



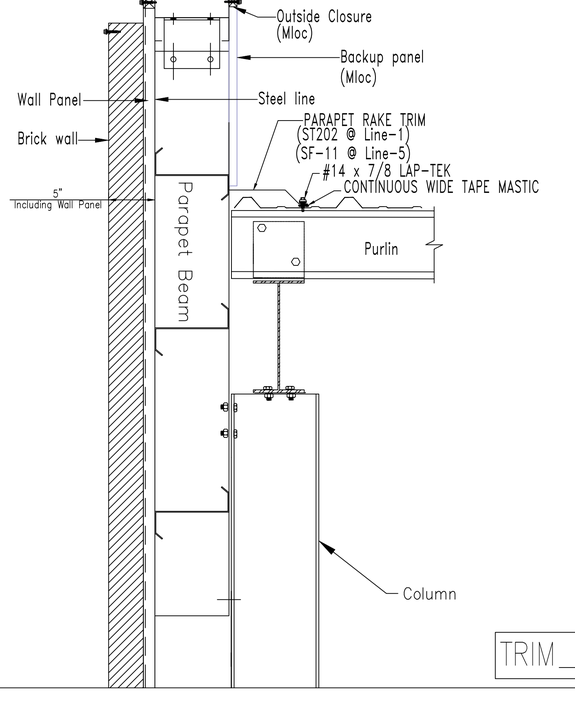


TRIM_92

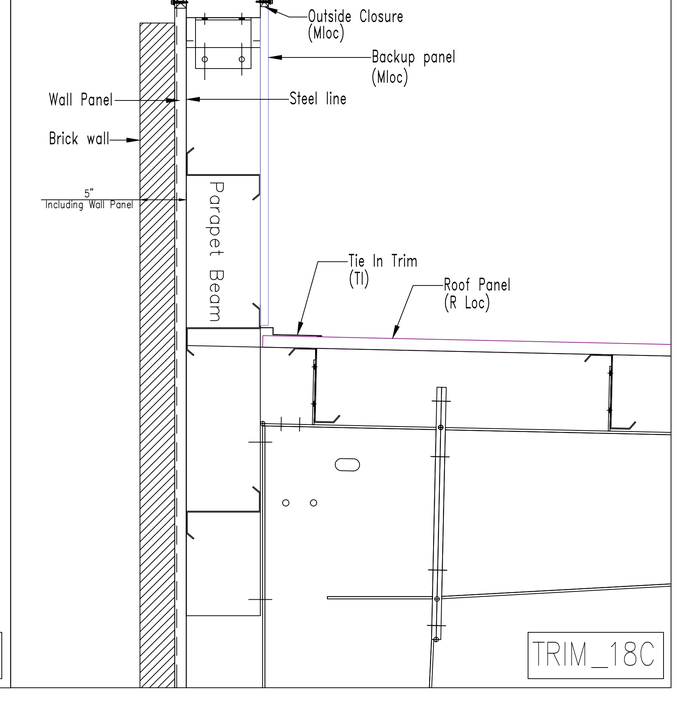


Inside Corner Detail

TRIM_40 Section at Corner - ML Wall Panels



TRIM_18B



TRIM_18C

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NORTH CAROLINA PROFESSIONAL ENGINEER NO. 034784 JASON SPEEGLE

Jason Speegle 2022.09.06 15:42:14 -05'00'