

APPROVAL OF REED'S METALS, LLC DRAWINGS INDICATE THAT REED'S METALS, LLC CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. WHERE DISCREPANCIES EXIST BETWEEN THE REED'S METALS, LLC PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 4.2.1 AISC CODE OF STANDARD PRACTICE 9TH ED.) DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY REED'S METALS, LLC ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN REED'S METALS, LLC UNLESS SPECIFICALLY INDICATED.

BUILDING LOADS / DESCRIPTION:

WIDTH: 236 LENGTH: 70 HEIGHT: 35 / 35
(BUILDING DIMENSIONS ARE NOMINAL. REFER TO PLANS).

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY : FBC 2020

COUNTY: COLUMBIA

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

ROOF DEAD LOAD: 3.000 PSF (ROOF PANELS & PURLINS)

COLLATERAL LOAD: 5 PSF

ROOF LIVE LOAD: 20.00 PSF REDUCED? Yes

ROOF SNOW LOAD: 0 PSF

GROUND SNOW LOAD: 0.0000 PSF

ULTIMATE WIND SPEED: 130 MPH

WIND SPEED-SERVICABILITY 75.0000 MPH

WIND EXPOSURE: C

Cpi - PRESSURE: 0.18

Cpi - SUCTION: -0.18

SEISMIC SITE CLASS: D

SEISMIC DESIGN CATEGORY: B

RISK CATEGORY: II - Normal

SEISMIC Ss: 0.09

SEISMIC S1: 0.05

SEISMIC Fa: 1.6000

SEISMIC Fv: 2.4000

SEISMIC Sm1: 0.1248

SEISMIC Sds: 0.10

SEISMIC Sd1: 0.08

SEISMIC BASE SHEAR: LONGITUDINAL FORCE, V = 6.53 (k)
TRANSVERSE FORCE, V = 7.24 (k)

IMPORTANCE FACTORS:

WIND LOAD: 1.00

SNOW LOAD 1.0000

SEISMIC LOAD 1.00

ROOF PANELS:

COLOR: Galvalume

WALL PANELS:

COLOR: Forest Green

TRIM COLORS:

GABLE: Arctic White

CORNER: Arctic White

EAVE: Arctic White

FRAMED OPENINGS: Arctic White

BASE: Arctic White

LINER PANELS:

COLOR: N/A

LINER TRIM:

COLOR: N/A

SPECIAL NOTES:

DEFLECTION & DRIFT REQUIREMENTS:

END-WALL COLUMNS = L/180
END-WALL RAFTERS = L/180
GIRTS = L/90
PURLINS = L/180 (LL), L/150 (WL)
RIGID FRAMES = H/60, L/180

QTY.	SCHEDULE OF ACCESSORIES

BS23-091A

SCHEDULE OF DRAWINGS	
C1-C4	COVER DWGS
A1-A4	ANCHOR BOLT DWGS
E1-E11	ERECTION DWGS
F1-F4	CROSS SECTIONS

THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.

PURCHASER: Quality Construction of America
PROJECT: Robbins Manufacturing
JOB NUMBER: BS23-091
SHEET: C1 OF C4

Timothy J. Moore
P.E.
Date: 2023.10.27
14:23:33 -05'00'

October 27, 2023

NOTE:
FOR QUESTIONS OR ASSISTANCE CONCERNING YOUR REED'S METALS INC BUILDING, PLEASE CONTACT OUR BUILDING COORDINATOR,
DREW PHILLIP
REED'S METALS, LLC
BROOKHAVEN, MS 39601
19 E. LINCOLN DRIVE NE
1-601-990-4380

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BUILDING LOADS / DESCRIPTION:

WIDTH: 22 LENGTH: 24 HEIGHT: 20 /21.83
(BUILDING DIMENSIONS ARE NOMINAL. REFER TO PLANS).

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY : FBC 2020 .
COUNTY: COLUMBIA

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

ROOF DEAD LOAD: 3.000 PSF (ROOF PANELS & PURLINS)

COLLATERAL LOAD: 5 PSF

ROOF LIVE LOAD: 20.00 PSF REDUCED? Yes

ROOF SNOW LOAD: 0 PSF

GROUND SNOW LOAD: 0.0000 PSF

ULTIMATE WIND SPEED: 130 MPH

WIND SPEED-SERVICABILITY 75.0000 MPH

WIND EXPOSURE: C

Cpi - PRESSURE: 0.18

Cpi - SUCTION: -0.18

SEISMIC SITE CLASS: D

SEISMIC DESIGN CATEGORY: B

RISK CATEGORY: II - Normal

SEISMIC Ss: 0.09

SEISMIC S1: 0.05

SEISMIC Fa: 1.6000

SEISMIC Fv: 2.4000

SEISMIC Sm1: 0.1248

SEISMIC Sds: 0.10

SEISMIC Sd1: 0.08

SEISMIC BASE SHEAR: LONGITUDINAL FORCE, V = 0.12 (k)
TRANSVERSE FORCE, V = 0.24 (k)

IMPORTANCE FACTORS:

WIND LOAD: 1.00

SNOW LOAD 1.0000

SEISMIC LOAD 1.00

ROOF PANELS:

COLOR: Galvalume

WALL PANELS:

COLOR: N/A

TRIM COLORS:

GABLE: Arctic White

CORNER: N/A

EAVE: Arctic White

FRAMED OPENINGS: N/A

LINER PANELS:

COLOR: N/A

LINER TRIM:

COLOR: N/A

SPECIAL NOTES:

DEFLECTION & DRIFT REQUIREMENTS:

END-WALL COLUMNS = L/180
END-WALL RAFTERS = L/180
GIRTS = L/90
PURLINS = L/180 (LL), L/150 (WL)
RIGID FRAMES = H/60, L/180

QTY.	SCHEDULE OF ACCESSORIES

BS23-091B

SCHEDULE OF DRAWINGS	
C1-C4	COVER DWGS
A1-A4	ANCHOR BOLT DWGS
E1-E11	ERECTION DWGS
F1-F4	CROSS SECTIONS

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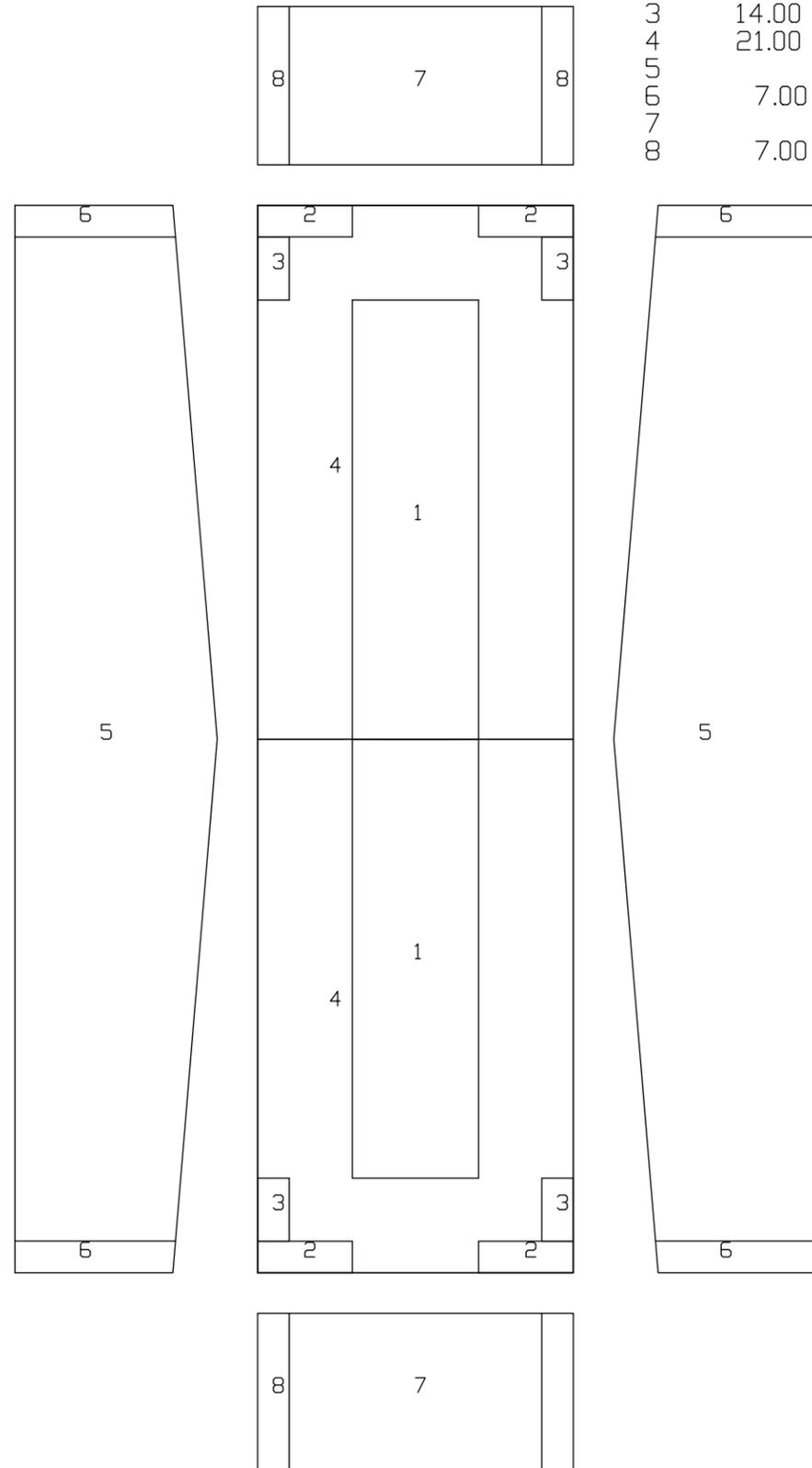


PURCHASER: Quality Construction of America
PROJECT: Robbins Manufacturing
JOB NUMBER: BS23-091
SHEET: C2 OF C4

NOTE:
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DREW PHILLIP
REED'S METALS, LLC
BROOKHAVEN, MS 39601
19 E. LINCOLN DRIVE NE
1-601-990-4380

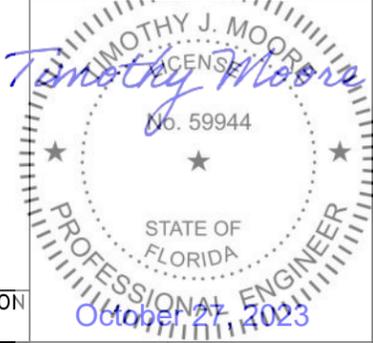
Components & Cladding

Zone	Width (ft)	Length (ft)	Pressure (psf)		Suction (psf)	
			Member	Panel	Member	Panel
1			16.00	17.75	-49.85	-69.50
2	7.00	21.00	16.00	17.75	-73.92	-125.0
3	14.00	7.00	16.00	17.75	-73.92	-125.0
4	21.00	21.00	16.00	17.75	-66.35	-91.86
5			32.30	39.94	-35.62	-53.26
6	7.00		32.30	39.94	-38.11	-53.26
7			32.30	39.90	-35.60	-53.30
8	7.00		32.30	39.90	-38.09	-53.30

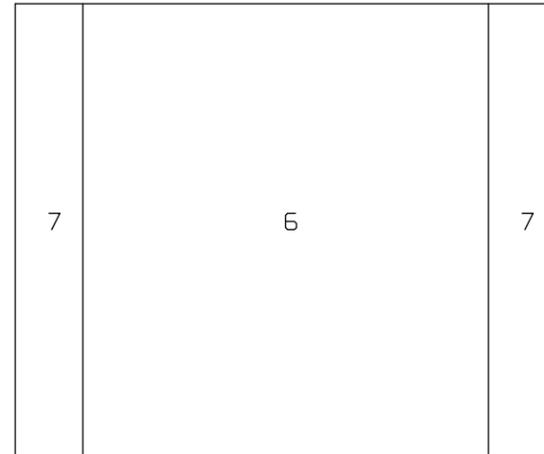


BS23-091A

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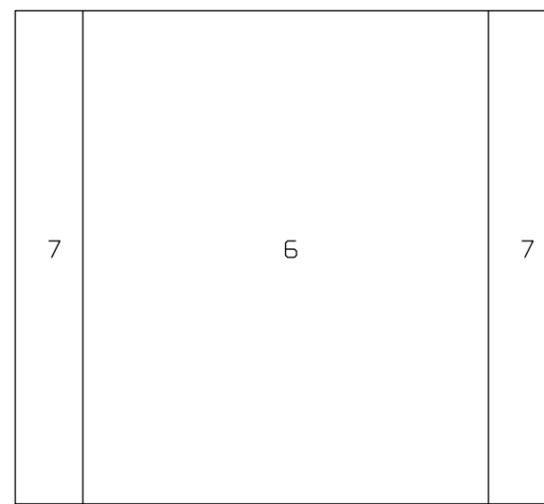
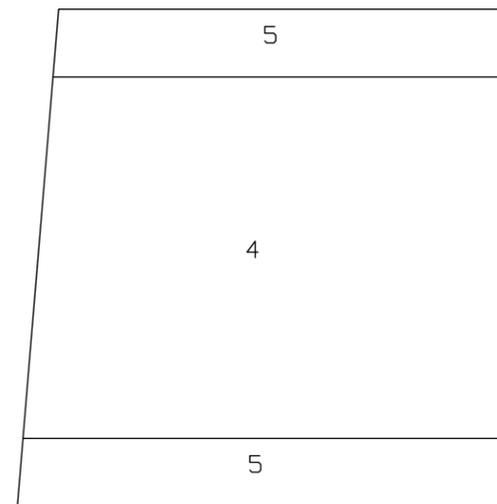
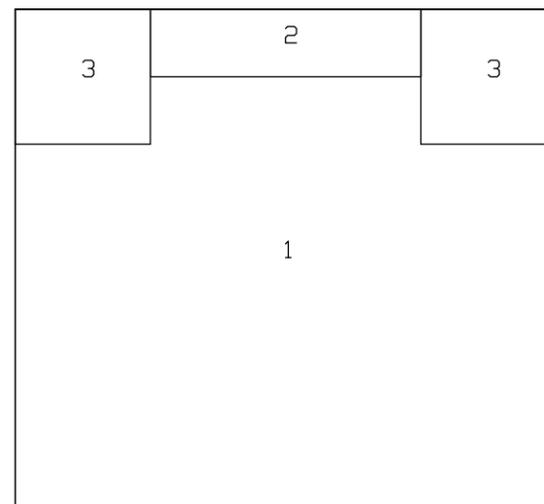
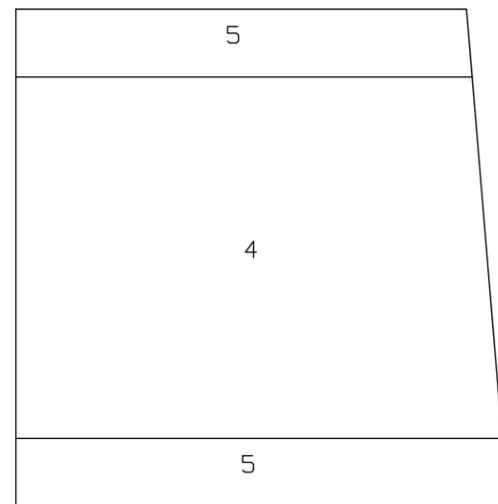


DRAWINGS FOR <input type="checkbox"/> APPROVAL-NOT FOR CONSTRUCTION <input type="checkbox"/> CONSTRUCTION		<input checked="" type="checkbox"/> PERMIT-NOT FOR CONSTRUCTION	
		JOB ID: BS23-091	DATE: 10/26/23
CUSTOMER		PROJECT	
Quality Construction of America		Robbins Manufacturing	
CUSTOMER ADDRESS		PROJECT ADDRESS	
3631 US HWY EAST		702 NE OKINAWA ST.	
Lake City, FL 32055		Lake City, FL 32055	
		DESIGN: DR	
		DRAFT: SW	
		SHEET: C3 OF: C4	
		CHECK: TH	



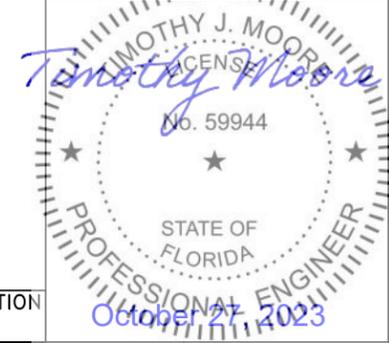
Components & Cladding

Zone	Width (ft)	Length (ft)	Pressure (psf)		Suction (psf)	
			Member	Panel	Member	Panel
1			16.00	16.00	-42.19	-42.19
2	3.00		16.00	16.00	-45.57	-48.94
3	6.00	6.00	16.00	16.00	-45.57	-65.39
4			28.78	35.59	-31.74	-47.46
5	3.00		28.78	35.59	-33.96	-47.46
6			28.80	35.60	-31.70	-47.50
7	3.00		28.80	35.60	-33.92	-47.50



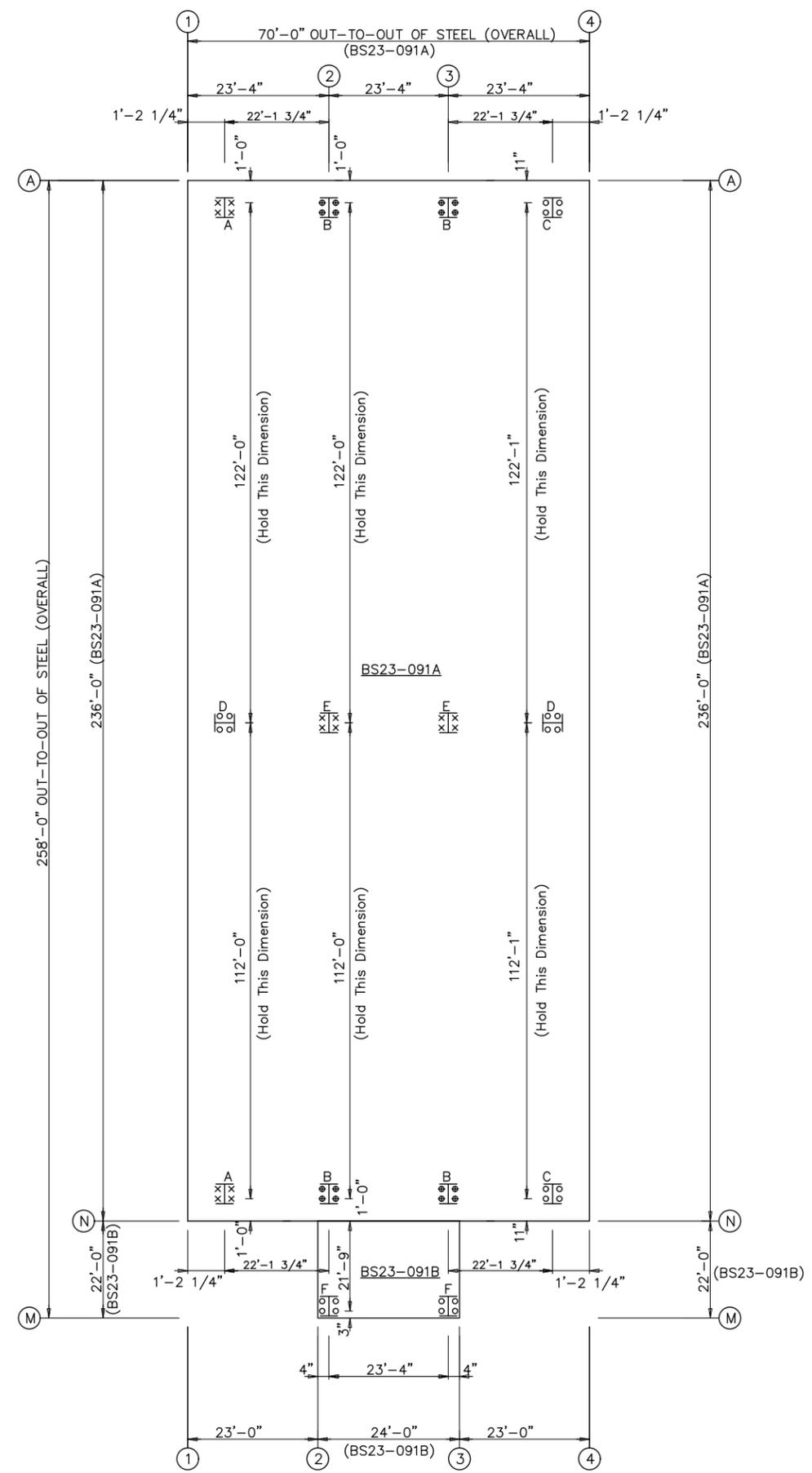
BS23-091B

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DRAWINGS FOR <input type="checkbox"/> APPROVAL-NOT FOR CONSTRUCTION <input type="checkbox"/> CONSTRUCTION		<input checked="" type="checkbox"/> PERMIT-NOT FOR CONSTRUCTION	
		JOB ID: BS23-091	DATE: 10/26/23
CUSTOMER		PROJECT	
Quality Construction of America		Robbins Manufacturing	
CUSTOMER ADDRESS		PROJECT ADDRESS	
3631 US HWY EAST		702 NE OKINAWA ST.	
Lake City, FL 32055		Lake City, FL 32055	
		DESIGN: DR	
		DRAFT: SW	
		SHEET: C4 OF: C4	
		CHECK: TH	

○ Dia= 3/4"
 ⊕ Dia=1 1/4"
 × Dia=1"



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

NOTE:
 CONCRETE DETAILS
 TO BE DETERMINED BY
 GENERAL CONTRACTOR.

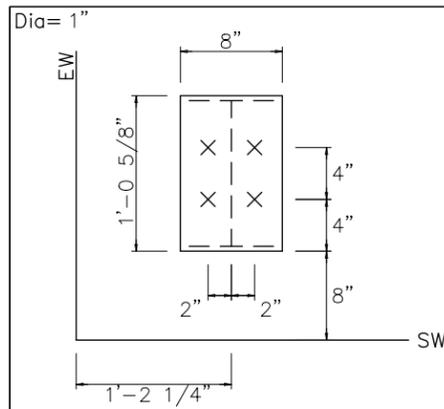
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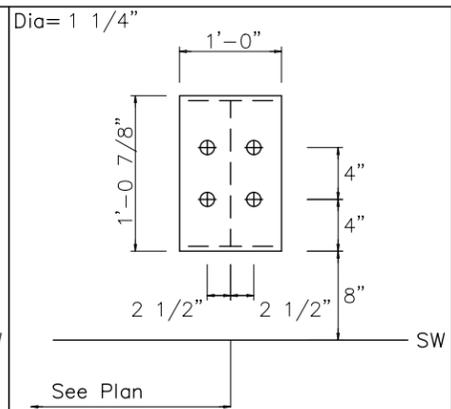
DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION
 PERMIT-NOT FOR CONSTRUCTION

REED'S METALS, LLC
 1-800-581-4645
 www.reedsmetals.com
 Metal Roofing • Metal Buildings • Pole Barns

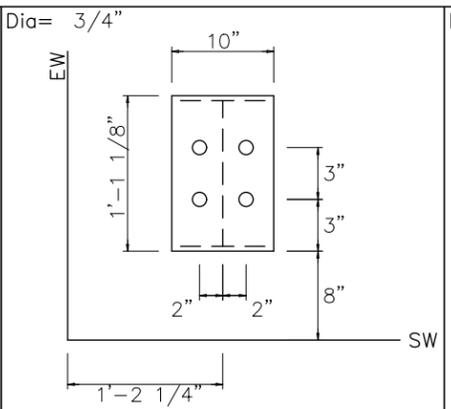
JOB ID: BS23-091	DATE: 10/26/23
CUSTOMER	DESIGN: DR
PROJECT	DRAFT: SW
CUSTOMER ADDRESS	SHEET: A1 OF: A4
PROJECT ADDRESS	CHECK: TH
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055



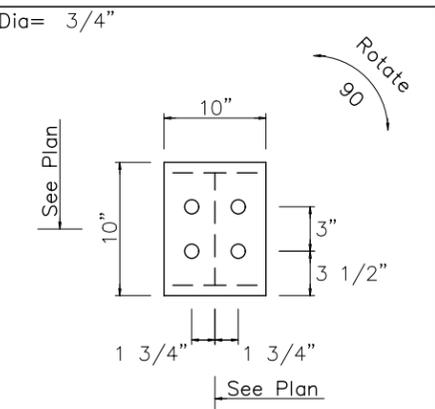
DETAIL A



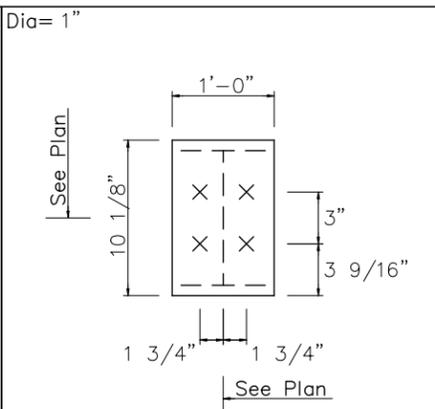
DETAIL B



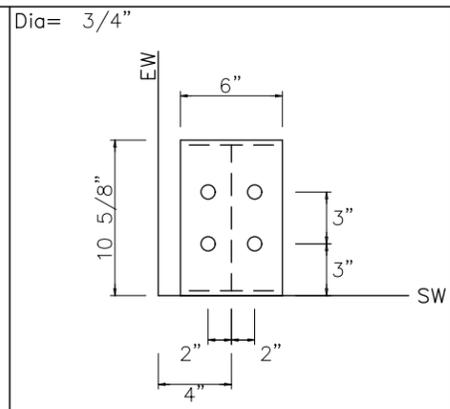
DETAIL C



DETAIL D



DETAIL E



DETAIL F

NOTE:
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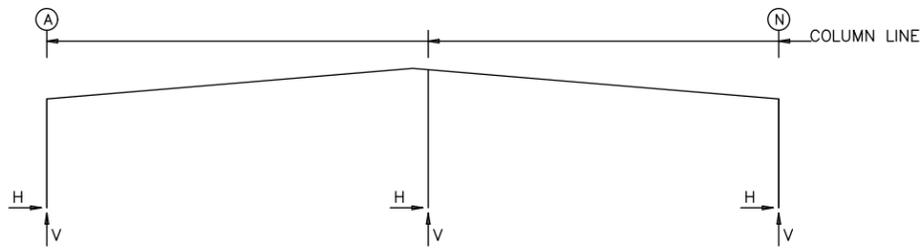


DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION
 PERMIT-NOT FOR CONSTRUCTION



JOB ID: BS23-091	DATE: 10/26/23
CUSTOMER	PROJECT
Quality Construction of America	Robbins Manufacturing
CUSTOMER ADDRESS	PROJECT ADDRESS
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055
DESIGN: DR	DRAFT: SW
SHEET: A2 OF: A4	CHECK: TH

FRAME LINES: 1 2 3 4



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

Frm Line	Col Line	Load Id	Column_Reactions(k)				Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)
			Hmax	Vmax	Hmin	Vmin			Width	Length	Thick	
1	A	1	7.6	21.5	4	-7.6	4	1.000	6.000	12.63	0.625	0.0
		3	6.3	33.7	6	0.8	-35.5					
		5	7.5	-12.7	1	-7.6	19.4	4	1.000	6.000	12.63	0.625
1	N	2	-6.2	33.1	7	-0.9	-35.7					
		5	0.0	-15.4	5	0.0	-15.4	4	0.750	10.00	10.00	0.625
1	@123.0	1	0.0	52.4								

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

Frm Line	Col Line	Load Id	Column_Reactions(k)				Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)
			Hmax	Vmax	Hmin	Vmin			Width	Length	Thick	
2	A	1	13.9	33.1	4	-19.6	4	1.250	12.00	12.88	0.625	0.0
		3	8.2	36.3	6	-2.8	-49.4					
		5	19.0	-33.8	1	-13.8	33.9	4	1.250	12.00	12.88	0.625
2	N	2	-9.6	37.4	7	0.6	-49.9					
		5	0.0	-43.1	5	0.0	-43.1	4	1.000	12.00	10.13	0.625
2	@123.0	1	0.0	67.2								

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

Frm Line	Col Line	Load Id	Column_Reactions(k)				Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)
			Hmax	Vmax	Hmin	Vmin			Width	Length	Thick	
3	A	1	13.9	33.1	4	-19.6	4	1.250	12.00	12.88	0.625	0.0
		3	8.2	35.2	6	-2.8	-47.9					
		5	19.0	-33.8	1	-13.8	33.9	4	1.250	12.00	12.88	0.625
3	N	2	-9.5	36.3	7	0.6	-48.4					
		5	0.0	-43.1	5	0.0	-43.1	4	1.000	12.00	10.13	0.625
3	@123.0	1	0.0	67.2								

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

Frm Line	Col Line	Load Id	Column_Reactions(k)				Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)	
			Hmax	Vmax	Hmin	Vmin			Width	Length	Thick		
4	A	1	9.5	23.0	5	-4.6	4	0.750	10.00	13.13	0.625	0.0	
		8	7.9	23.3	4	-4.0	-12.9						
4	N	4	5.0	-4.4	1	-9.5	21.1	4	0.750	10.00	13.13	0.625	0.0
		9	-7.4	21.5	5	3.5	-12.0						
4	@123.0	5	0.0	-14.7	5	0.0	-14.7	4	0.750	10.00	10.00	0.625	0.0
		1	0.0	50.4									

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Total Len (in)	Bend Len (in)	Proj (in)
X 16	Frame	1"	A307	24.0	3.00	2.50
⊕ 16	Frame	1 1/4"	A307			3.50
○ 16	Frame	3/4"	A307	18.0	4.00	2.00

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Wind_Left1---		---Wind_Right1---		---Wind_Left2---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1	A	3.3	9.9	1.3	3.4	3.0	8.2	-16.0	-32.6	-1.0	-16.8	-14.9	-23.0
1	N	-3.3	9.0	-1.3	3.1	-3.0	7.4	1.2	-14.9	15.8	-30.2	0.1	-6.2
1	@123.0	0.0	25.1	0.0	8.1	0.0	19.3	0.0	-50.2	0.0	-50.7	0.0	-29.8
1	A	0.1	-7.2	-2.1	-69.0	-3.2	-60.6	-0.9	-0.2	0.9	0.2	0.0	-2.4
1	N	14.7	-21.5	3.5	-60.6	1.8	-68.4	-0.9	0.3	0.9	-0.3	0.0	-2.4
1	@123.0	0.0	-30.3	0.0	-40.1	0.0	-40.7	0.0	0.0	0.0	0.0	0.0	0.0
1	A	1.6	8.6	1.4	-0.4								
1	N	-1.6	-0.6	-1.4	8.0								
1	@123.0	0.0	10.2	0.0	9.2								
2	A	3.5	9.7	3.1	6.9	7.3	16.5	-36.1	-65.0	-6.4	-34.6	-31.9	-45.7
2	N	-3.5	9.5	-3.1	6.9	-7.3	17.4	5.0	-34.0	35.2	-65.9	2.5	-15.1
2	@123.0	0.0	18.2	0.0	14.4	0.0	34.6	0.0	-89.0	0.0	-90.1	0.0	-52.5
2	A	-2.1	-15.3	-8.1	-92.0	-10.6	-76.0	-1.0	-0.3	1.0	0.3	0.0	-2.4
2	N	32.7	-47.0	7.5	-77.7	4.5	-92.7	-1.0	0.3	1.0	-0.3	0.0	-2.4
2	@123.0	0.0	-53.6	0.0	-71.9	0.0	-72.8	0.0	0.0	0.0	0.0	0.0	0.0
3	A	3.5	9.7	3.1	6.9	7.3	16.5	-36.1	-65.0	-6.4	-34.6	-31.9	-45.7
3	N	-3.5	9.5	-3.1	6.9	-7.3	17.4	5.0	-34.0	35.2	-65.9	2.5	-15.1
3	@123.0	0.0	18.2	0.0	14.4	0.0	34.6	0.0	-89.0	0.0	-90.1	0.0	-52.5
3	A	-2.1	-15.3	-8.1	-89.6	-10.6	-73.7	-1.0	-0.3	1.0	0.3	0.0	-2.3
3	N	32.7	-47.0	7.5	-75.2	4.5	-90.3	-1.0	0.3	1.0	-0.3	0.0	-2.3
3	@123.0	0.0	-53.6	0.0	-71.9	0.0	-72.8	0.0	0.0	0.0	0.0	0.0	0.0
4	A	4.2	10.9	1.6	3.6	3.8	8.6	-10.8	-32.5	-11.8	-19.0	-6.6	-22.9
4	N	-4.2	10.1	-1.6	3.3	-3.8	7.8	12.6	-17.4	10.1	-30.0	8.4	-8.7
4	@123.0	0.0	24.2	0.0	7.7	0.0	18.5	0.0	-47.8	0.0	-48.7	0.0	-27.4
4	A	-7.6	-9.4	-7.8	-23.1	-8.8	-14.6	-0.8	-0.2	0.8	0.2	2.1	8.8
4	N	5.9	-21.3	9.3	-13.2	7.3	-21.1	-0.9	0.3	0.9	-0.3	-2.1	-0.4
4	@123.0	0.0	-28.3	0.0	-40.0	0.0	-40.5	0.0	-0.1	0.0	0.1	0.0	9.8
4	A	1.7	-0.2										
4	N	-1.7	8.2										
4	@123.0	0.0	8.8										

BUILDING BRACING REACTIONS

Wall Loc	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
		Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	Wind	Seis	
L_EW	1							(h)
F_SW	N	1,2	32.4	47.4	1.7	2.4		(h)
		2,3	32.4	45.0	1.7	2.3		
R_EW	4							
B_SW	A	3,2	30.8	43.7	1.6	2.3		
		2,1	30.8	46.0	1.6	2.4		

(h) Rigid frame at endwall

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
 - Width (ft) = 236.0
 - Length (ft) = 70.0
 - Eave Height (ft) = 35.0/ 35.0
 - Roof Slope (rise/12) = 1.0/ 1.0
 - Dead Load (psf) = 3.0
 - Collateral Load (psf) = 5.0
 - Roof Live Load (psf) = 20.0
 - Frame Live Load (psf) = 12.0
 - Wind Speed (mph) = 130.0
 - Wind Code = FBC 20 (IBC 18)
 - Exposure = C
 - Closed/Open = C
 - Importance Wind = 1.00
 - Importance Seismic = 1.00
 - Seismic Zone = B
 - Seismic Coeff (Fa*Ss) = 0.15

5. Loading conditions are:

- 1 Dead+Collateral+Live
- 2 Dead+Collateral+0.75Live+0.45Wind_Long1R
- 3 Dead+Collateral+0.75Live+0.45Wind_Long2R
- 4 0.6Dead+0.6Wind_Left1
- 5 0.6Dead+0.6Wind_Right1
- 6 0.6Dead+0.6Wind_Long1L
- 7 0.6Dead+0.6Wind_Long2L
- 8 Dead+Collateral+F4PAT_LL_1
- 9 Dead+Collateral+F4PAT_LL_2

BS23-091A

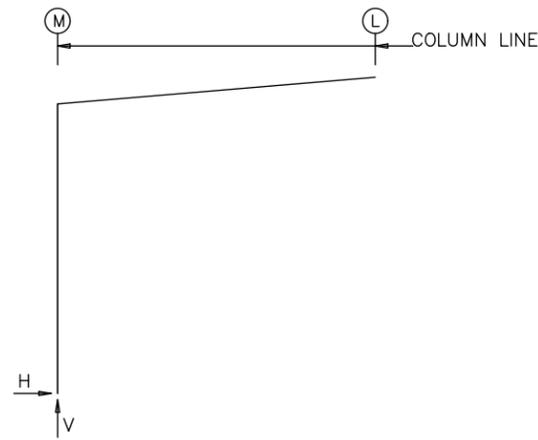
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.



DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION PERMIT-NOT FOR CONSTRUCTION

<p>REED'S METALS, LLC 1-800-581-4645 www.reedsmetals.com Metal Roofing o Metal Buildings o Pole Barns</p>	JOB ID: BS23-091	DATE: 10/26/23	
	CUSTOMER	PROJECT	DESIGN: DR
	Quality Construction of America	Robbins Manufacturing	DRAFT: SW
	CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: A3 OF: A4
	3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: TH

FRAME LINES: 3 2



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
3*	M	0.0	0.9	0.0	0.7	0.0	2.5	-1.7	-5.5	2.2	-3.4	-3.0	-3.7
Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Long Horiz	Seismic_Long Vert				
3*	M	0.9	-1.7	2.2	-6.4	2.3	-5.0	0.0	-0.1				
3*	Frame lines:		3 2										

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

Frm Line	Col Line	Column_Reactions(k)						Bolt Qty	Bolt Dia	Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin			Width	Length	Thick	
3*	M	6	1.4	-2.5	3	-1.8	-1.7	4	0.750	6.000	10.63	0.500	0.0
3*	Frame lines: 3 2		1	0.1	4.1	4	1.3	-3.3					

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Total Len (in)	Bend Len (in)	Proj (in)
0 8	Frame	3/4"	A307	18.0	4.00	2.00

BUILDING BRACING REACTIONS

Wall Loc	Col Line	± Reactions(k)				Panel_Shear (lb/ft)		Note
		Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	Wind	Seis	
L_EW	3							(h)
F_SW	L							(f)
R_EW	2							(h)
B_SW	M 3,2	1.5	2.3	0.1	0.1			(b)

(b) Wind bent in bay, base above finish floor
 (f) Bracing loads are applied to adjacent building
 (h) Rigid frame at endwall

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
 - Width (ft) = 22.0
 - Length (ft) = 24.0
 - Eave Height (ft) = 20.0/ 21.8
 - Roof Slope (rise/12) = 1.0
 - Dead Load (psf) = 3.0
 - Collateral Load (psf) = 5.0
 - Roof Live Load (psf) = 20.0
 - Frame Live Load (psf) = 18.7
 - Wind Speed (mph) = 130.0
 - Wind Code = FBC 20 (IBC 18)
 - Exposure = C
 - Closed/Open = C
 - Importance Wind = 1.00
 - Importance Seismic = 1.00
 - Seismic Zone = B
 - Seismic Coeff (Fa*Ss) = 0.15
- Loading conditions are:
 - 1 Dead+Collateral+Live
 - 2 0.6Dead+0.6Wind_Left1
 - 3 0.6Dead+0.6Wind_Left2
 - 4 0.6Dead+0.6Wind_Long1L
 - 5 0.6Dead+0.6Wind_Long1R
 - 6 0.6Dead+0.6Wind_Long2L

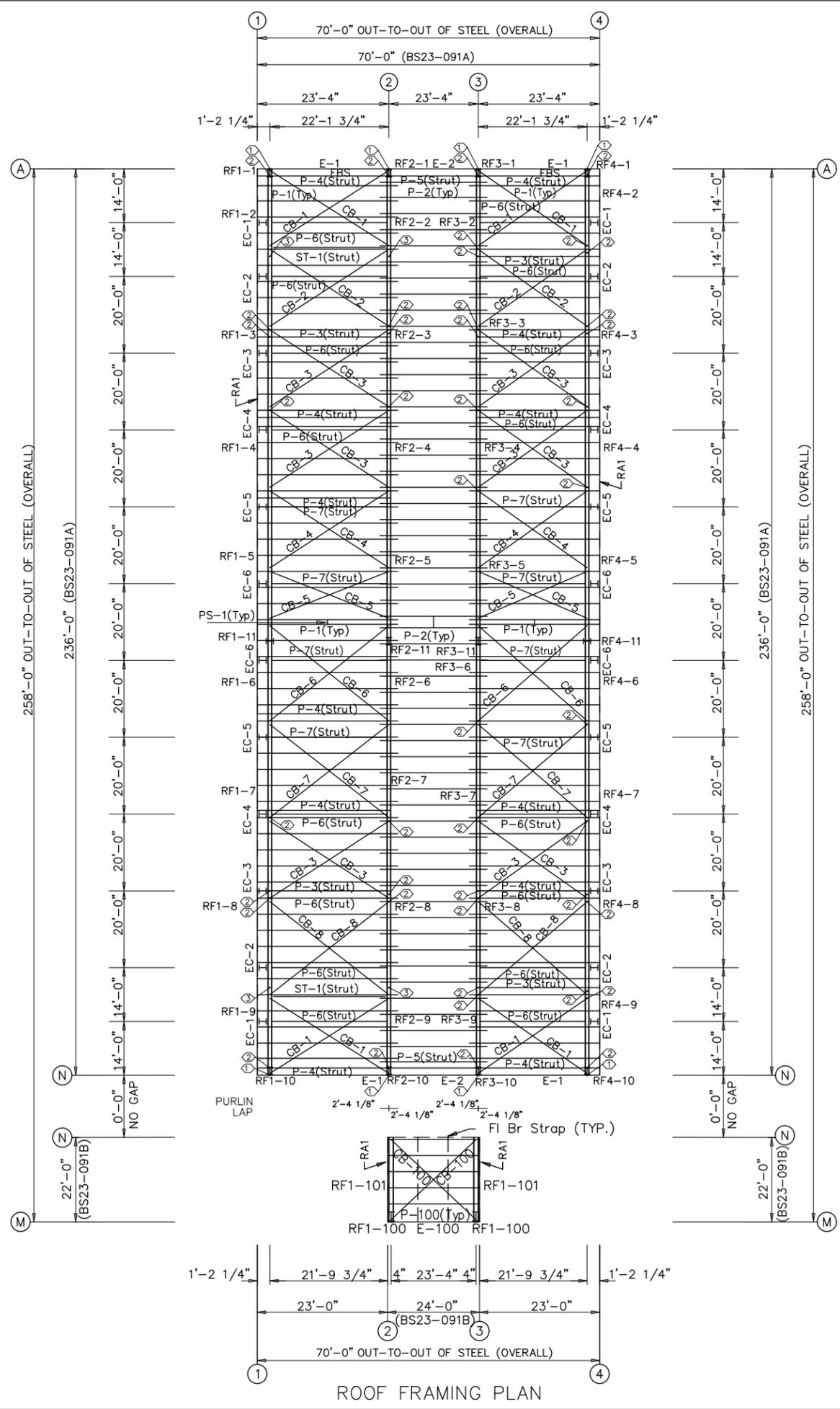
BS23-091B

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DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION PERMIT-NOT FOR CONSTRUCTION

	JOB ID: BS23-091	DATE: 10/26/23	
	CUSTOMER	PROJECT	DESIGN: DR
	Quality Construction of America	Robbins Manufacturing	DRAFT: SW
	CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: A4 OF: A4
	3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: TH



MEMBER TABLE			
ROOF PLAN			
QUAN	MARK	PART	LENGTH
BS23-091A			
112	P-1	8Z23x12	25'-7 7/8"
56	P-2	8Z23x14	28'-0 1/4"
4	P-3	8Z23x12	22'-6"
12	P-4	8Z23x16	22'-6"
2	P-5	8Z23x16	23'-8 1/4"
16	P-6	W8X18	22'-6 1/4"
8	P-7	W8X24	22'-6 1/4"
4	E-1	8D121.0	23'-3 1/2"
2	E-2	8D121.0	23'-3 1/2"
2	ST-1	W8X24	22'-1 9/16"
8	CB-1	BR10	29'-9"
4	CB-2	BR10	30'-5"
12	CB-3	BR08	30'-5"
4	CB-4	BR05	30'-2"
4	CB-5	BR04	25'-8"
4	CB-6	BR04	33'-7"
4	CB-7	BR08	33'-4"
4	CB-8	BR10	33'-4"
3	PS1	PEAKSPACE	1'-11 7/8"
BS23-091B			
5	P-100	10Z23x12	23'-11 1/2"
1	E-100	10D141.0	23'-11 1/2"
2	CB-100	1/4"CBL	31'-8"

SPECIAL BOLTS					
ROOF PLAN					
Q ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A325	1/2"	1 1/4"	2
2	4	A307	1/2"	1 1/4"	0
3	2	A325	3/4"	1 3/4"	0

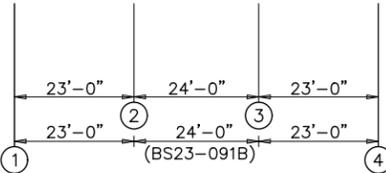
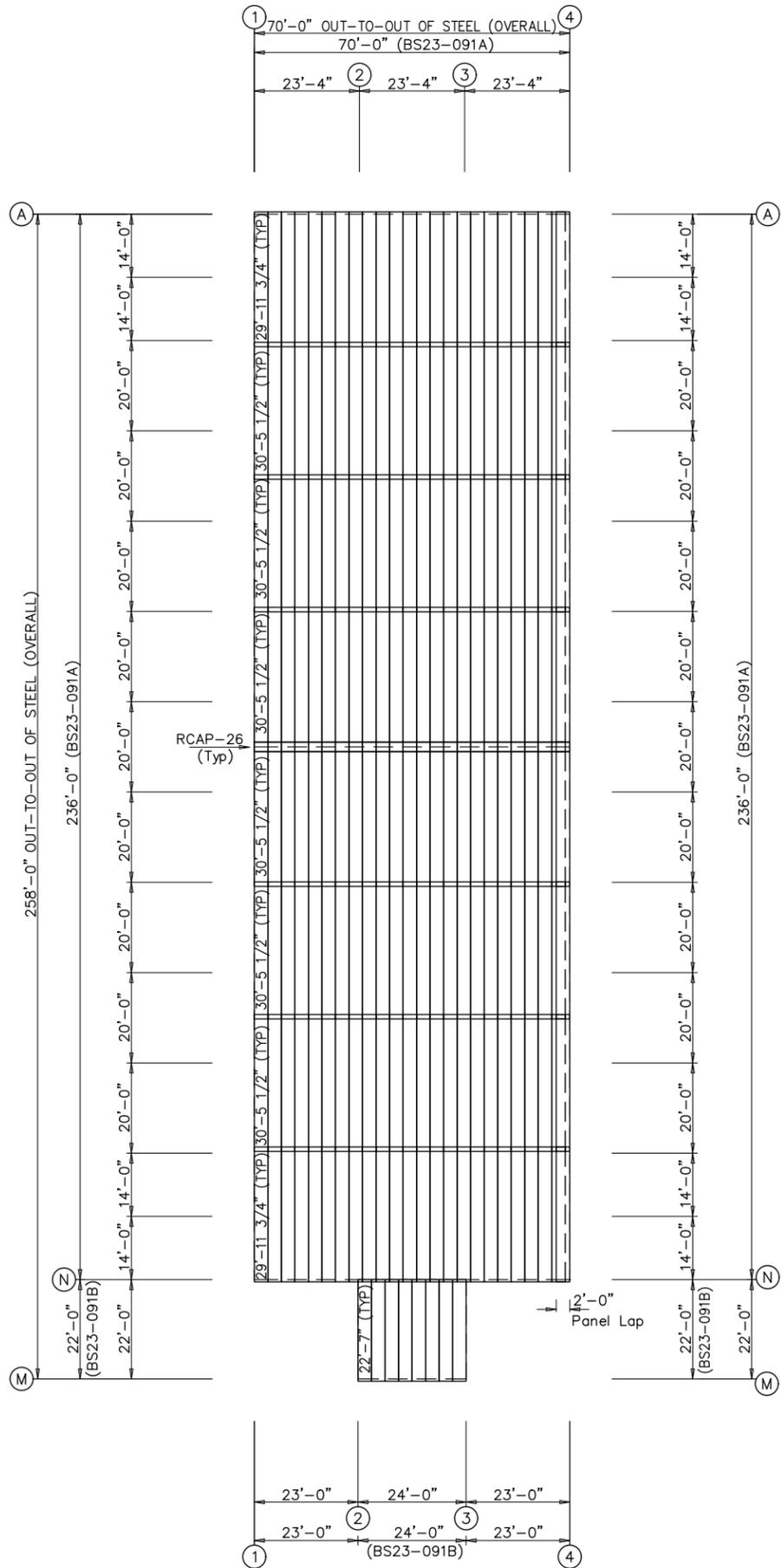
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DRAWINGS FOR <input type="checkbox"/> APPROVAL-NOT FOR CONSTRUCTION <input type="checkbox"/> CONSTRUCTION		JOB ID: BS23-091		DATE: 10/26/23	
<input checked="" type="checkbox"/> PERMIT-NOT FOR CONSTRUCTION		CUSTOMER		PROJECT	
Quality Construction of America		Robbins Manufacturing		DESIGN: DR	
CUSTOMER ADDRESS		PROJECT ADDRESS		DRAFT: SW	
3631 US HWY EAST		702 NE OKINAWA ST.		SHEET: E1 OF: E11	
Lake City, FL 32055		Lake City, FL 32055		CHECK:	



ROOF FRAMING PLAN



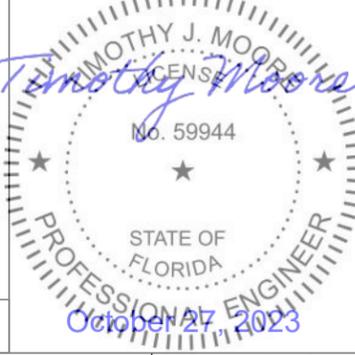
ROOF SHEETING PLAN
 PANELS: 26 Ga. PBR - Galvalume

DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION
 PERMIT-NOT FOR CONSTRUCTION

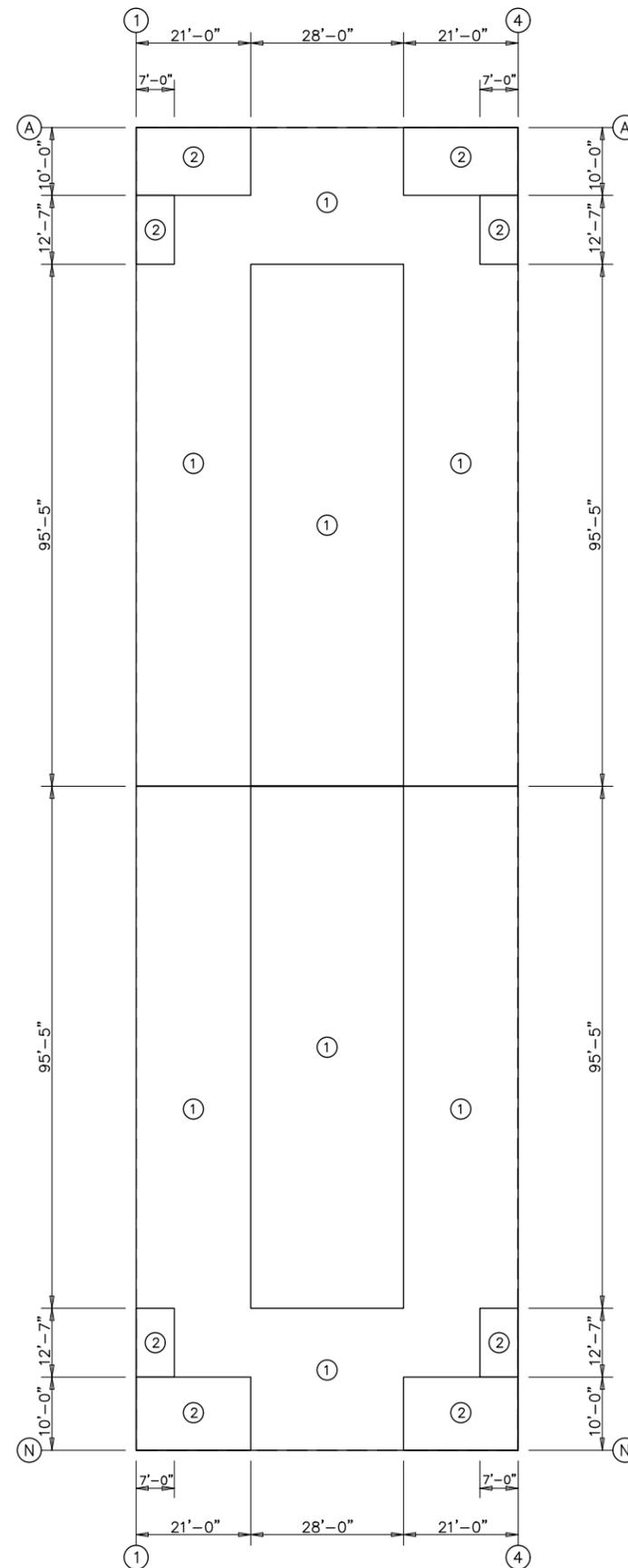


JOB ID: BS23-091	CUSTOMER	PROJECT	DATE: 10/26/23
Quality Construction of America	Robbins Manufacturing		DESIGN: DR
CUSTOMER ADDRESS	PROJECT ADDRESS		DRAFT: SW
3631 US HWY EAST	702 NE OKINAWA ST.		SHEET: E2 OF: E11
Lake City, FL 32055	Lake City, FL 32055		CHECK:

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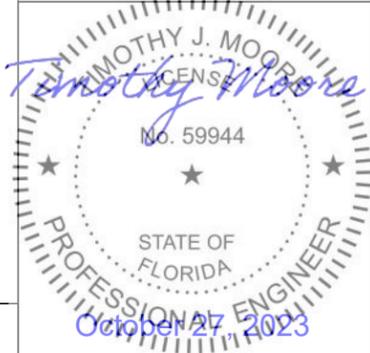
FASTENER TABLE		
OID	SCREW PART	SPACE (in)
1	SDRLU12	12.0
2	SDRLU12	6.0



PANEL ZONE LAYOUT
(Minimum Fastener Spacing)

BS23-091A

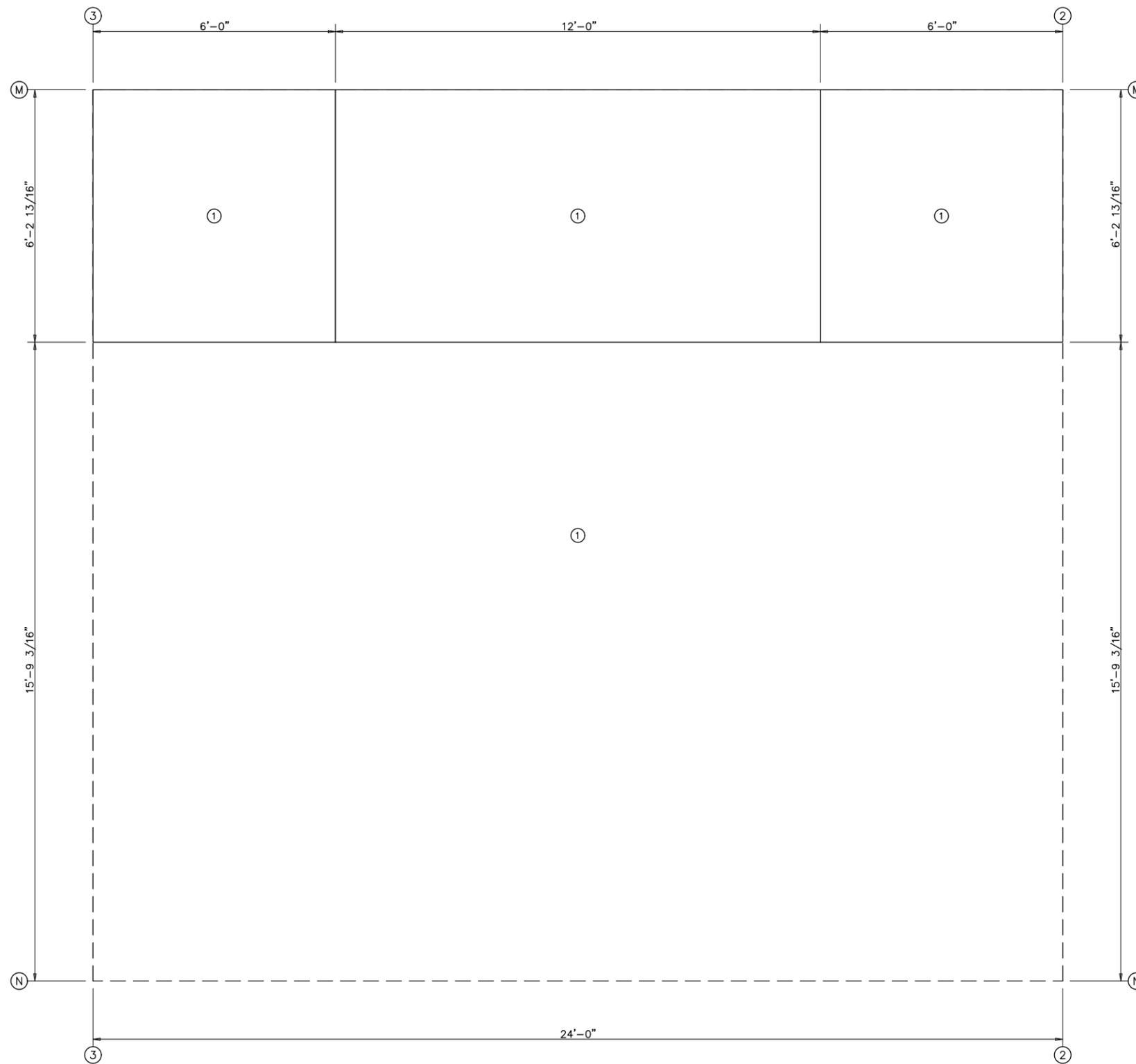
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DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION
 PERMIT-NOT FOR CONSTRUCTION

 REED'S METALS, LLC 1-800-581-4645 www.reedsmetals.com Metal Roofing • Metal Buildings • Pole Barns	JOB ID: BS23-091		DATE: 10/26/23
	CUSTOMER	PROJECT	DESIGN: DR
	Quality Construction of America	Robbins Manufacturing	DRAFT: SW
	CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E3 OF: E11
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK:	

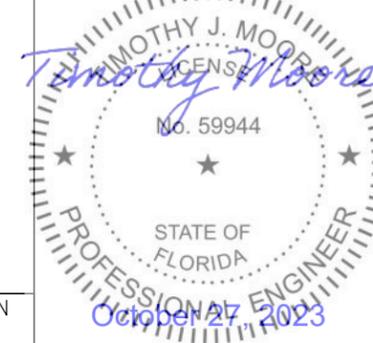
FASTENER TABLE		
OID	SCREW PART	SPACE (in)
1	SDRLU12	12.0



BS23-091B

PANEL ZONE LAYOUT
(Minimum Fastener Spacing)

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DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION
 PERMIT-NOT FOR CONSTRUCTION



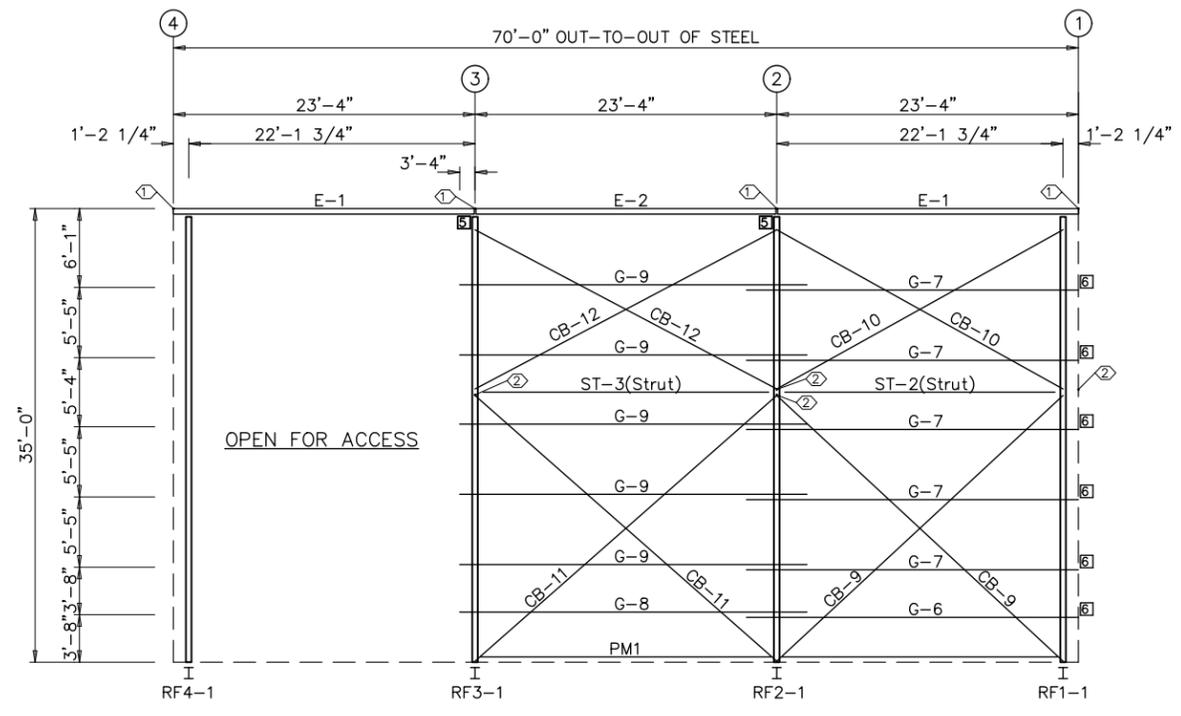
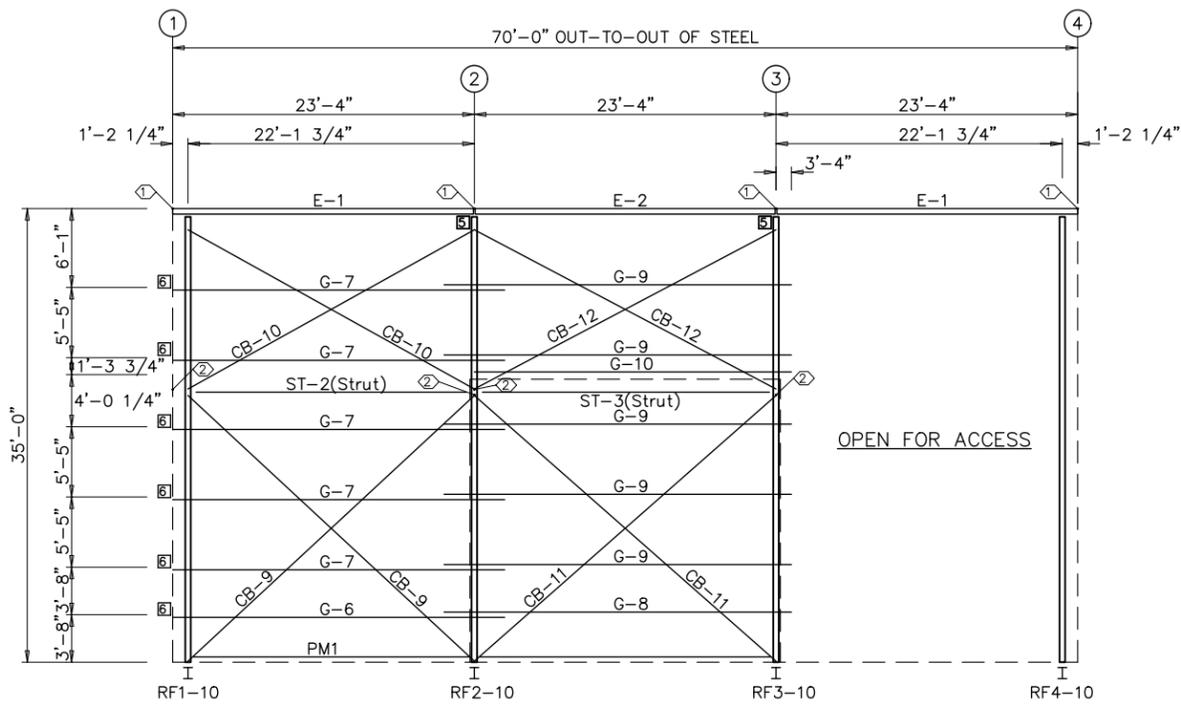
JOB ID: BS23-091	DATE: 10/26/23
CUSTOMER	PROJECT
Quality Construction of America	Robbins Manufacturing
CUSTOMER ADDRESS	PROJECT ADDRESS
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055
DESIGN: DR	DRAFT: SW
SHEET: E4 OF: E11	
CHECK:	

BOLT TABLE				
FRAME LINE N & A				
LOCATION	QUAN	TYPE	DIA	LENGTH
Strut	4	A325	3/4"	1 3/4"

MEMBER TABLE			
FRAME LINE N & A			
QUAN	MARK	PART	LENGTH
4	E-1	8D121.0	23'-3 1/2"
2	E-2	8D121.0	23'-3 1/2"
2	ST-2	P50X15	22'-1 5/8"
2	ST-3	P50X15	23'-3 13/16"
2	G-6	8Z23x16	25'-7 7/8"
10	G-7	8Z23x14	25'-7 7/8"
2	G-8	8Z23x16	25'-10 1/4"
10	G-9	8Z23x14	25'-10 1/4"
1	G-10	8Z23x14	23'-8 1/4"
4	CB-9	L4x4x1/4	29'-6"
4	CB-10	L4x4x1/4	25'-3"
4	CB-11	L4x4x1/4	30'-5"
4	CB-12	L4x4x1/4	26'-4"

SPECIAL BOLTS					
Q ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A325	1/2"	1 1/4"	2
2	2	A325	3/4"	1 3/4"	0

CONNECTION PLATES			
FRAME LINE N & A			
Q ID	QUAN	MARK/PART	
5	4	k1	
6	12	C-14	



GIRT LAPS
 2'-4 1/8" / 2'-4 1/8"
 SIDEWALL FRAMING: FRAME LINE N

GIRT LAPS
 2'-4 1/8" / 2'-4 1/8"
 SIDEWALL FRAMING: FRAME LINE A

BS23-091A

NOTE:
 USE 1/4" X 1 1/2" NAIL-IN ANCHORS @ BASE
 ANGLE 3'-0" O.C.

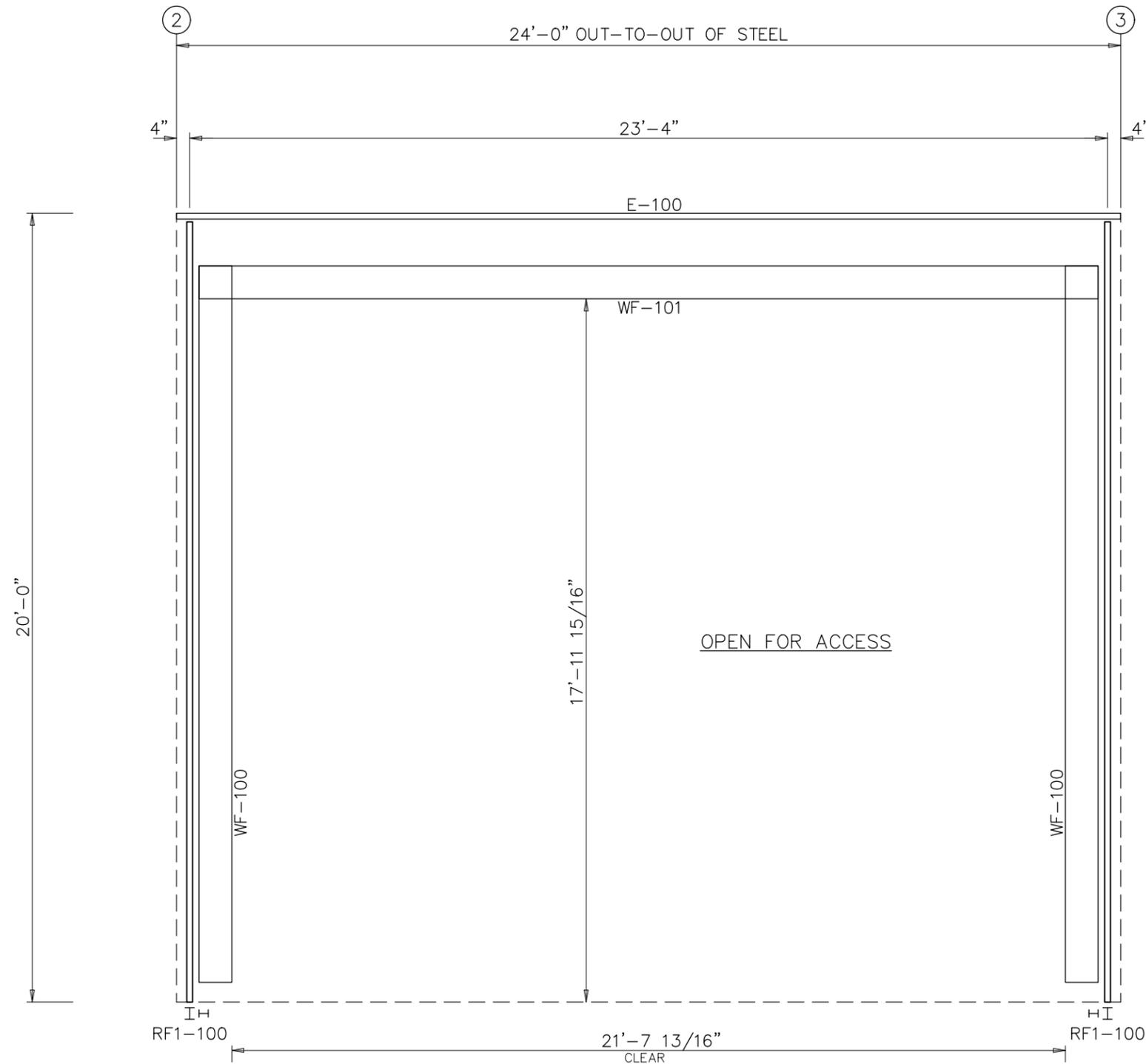
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DRAWINGS FOR <input type="checkbox"/> APPROVAL-NOT FOR CONSTRUCTION <input type="checkbox"/> CONSTRUCTION		<input checked="" type="checkbox"/> PERMIT-NOT FOR CONSTRUCTION	
 REED'S METALS, LLC 1-800-581-4645 www.reedsmetals.com Metal Roofing • Metal Buildings • Pole Barns		JOB ID: BS23-091	DATE: 10/26/23
CUSTOMER		PROJECT	
Quality Construction of America		Robbins Manufacturing	
CUSTOMER ADDRESS		PROJECT ADDRESS	
3631 US HWY EAST Lake City, FL 32055		702 NE OKINAWA ST. Lake City, FL 32055	
		DESIGN: DR	
		DRAFT: SW	
		SHEET: E5 OF: E11	
		CHECK:	

BOLT TABLE				
FRAME LINE L & M				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-100 - WF-101	8	A325	3/4"	2 1/2"
WF-100 - RF1-100	8	A325	5/8"	2"

MEMBER TABLE				
FRAME LINE L & M				
QUAN	MARK	PART	LENGTH	
2	WF-100	W1005041	18'-3 15/16"	
1	WF-101	W1006041	21'-7 5/16"	
1	E-100	10D141.0	23'-11 1/2"	



SIDEWALL FRAMING: FRAME LINE M

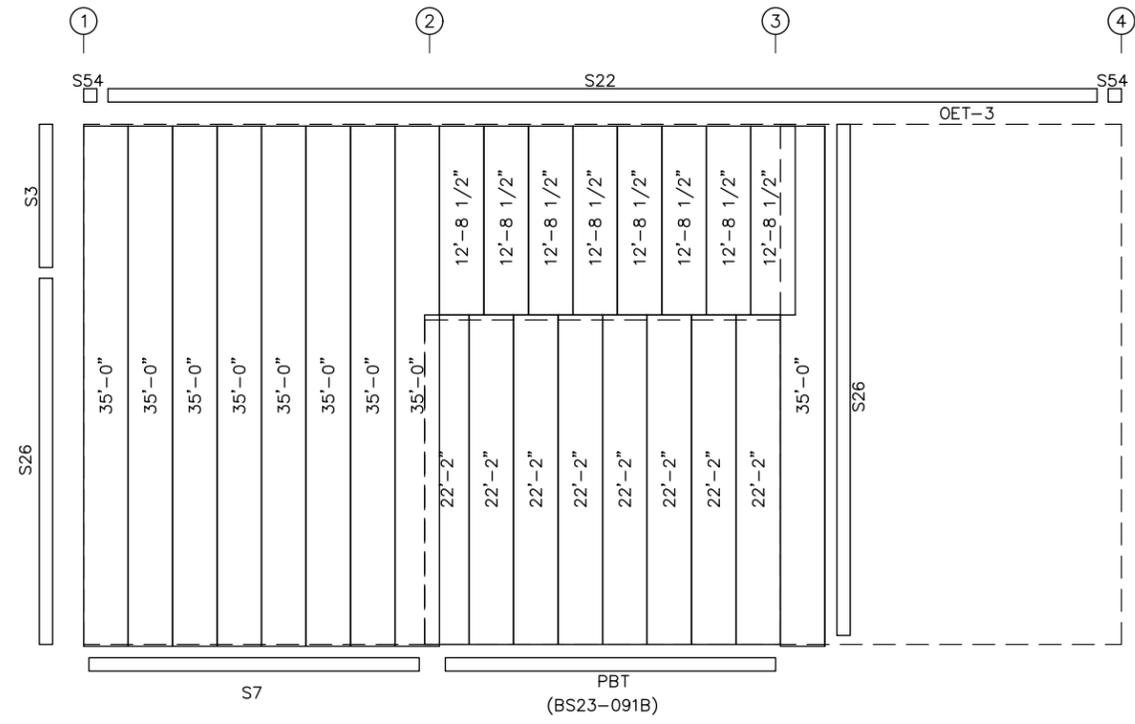
BS23-091B

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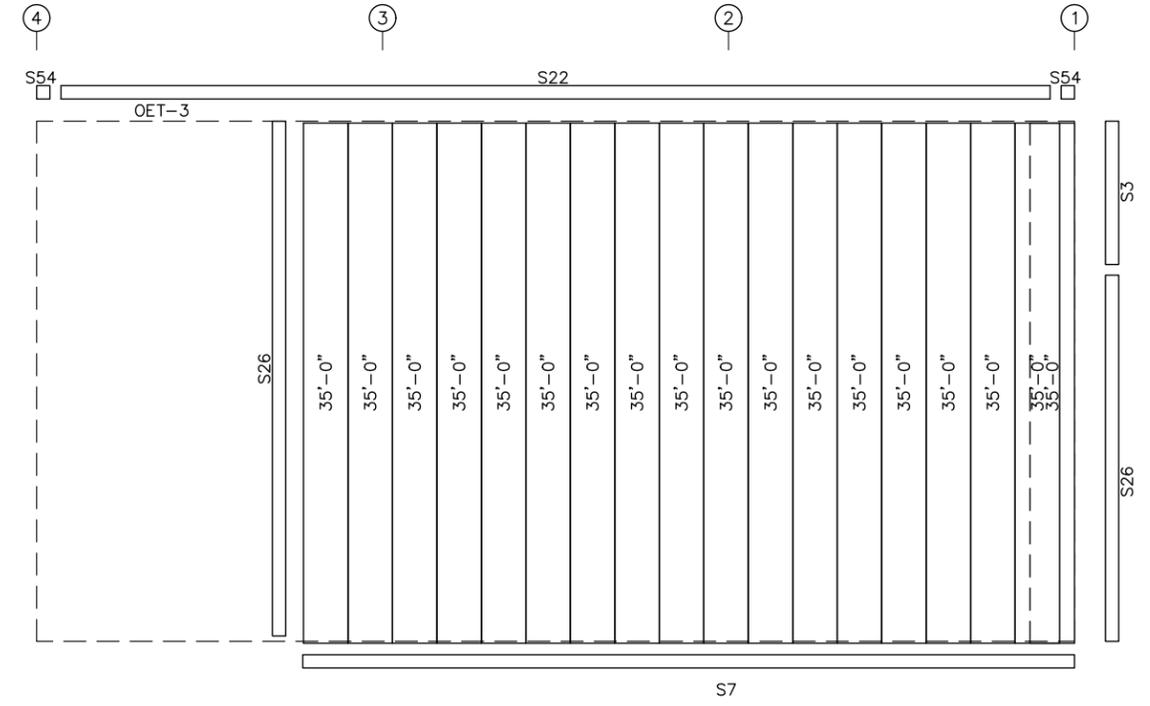
DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION PERMIT-NOT FOR CONSTRUCTION

 REED'S METALS, LLC 1-800-581-4645 www.reedsmetals.com Metal Roofing • Metal Buildings • Pole Barns	JOB ID: BS23-091		DATE: 10/26/23
	CUSTOMER	PROJECT	DESIGN: DR
	Quality Construction of America	Robbins Manufacturing	DRAFT: SW
	CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E6 OF: E11
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK:	



SIDEWALL SHEETING & TRIM: FRAME LINE N

PANELS: 26 Ga. PBR - Forest Green
 (BS23-091B) PANELS: 26 Ga. PBR - Forest Green



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR - Forest Green

BS23-091A

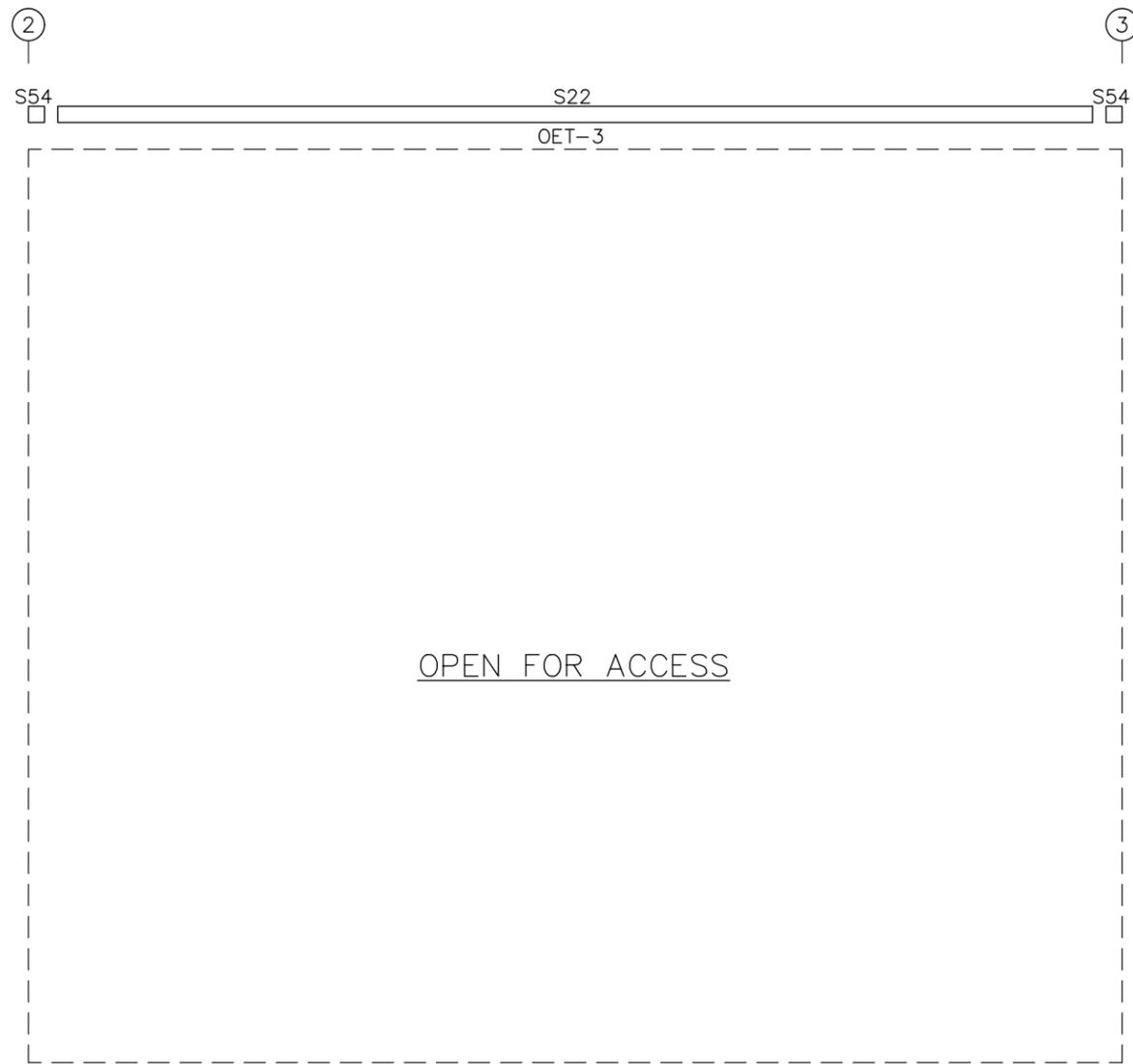
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.



DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION
 PERMIT-NOT FOR CONSTRUCTION



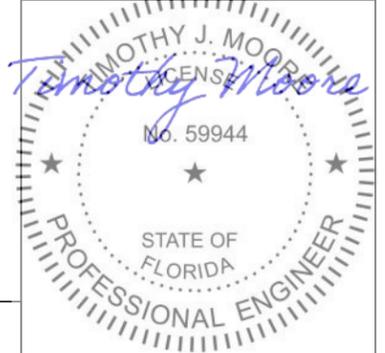
JOB ID: BS23-091	DATE: 10/26/23
CUSTOMER	PROJECT
Quality Construction of America	Robbins Manufacturing
CUSTOMER ADDRESS	PROJECT ADDRESS
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055
DESIGN: DR	DRAFT: SW
SHEET: E7 OF: E11	CHECK:



SIDEWALL SHEETING & TRIM: FRAME LINE M

BS23-091B

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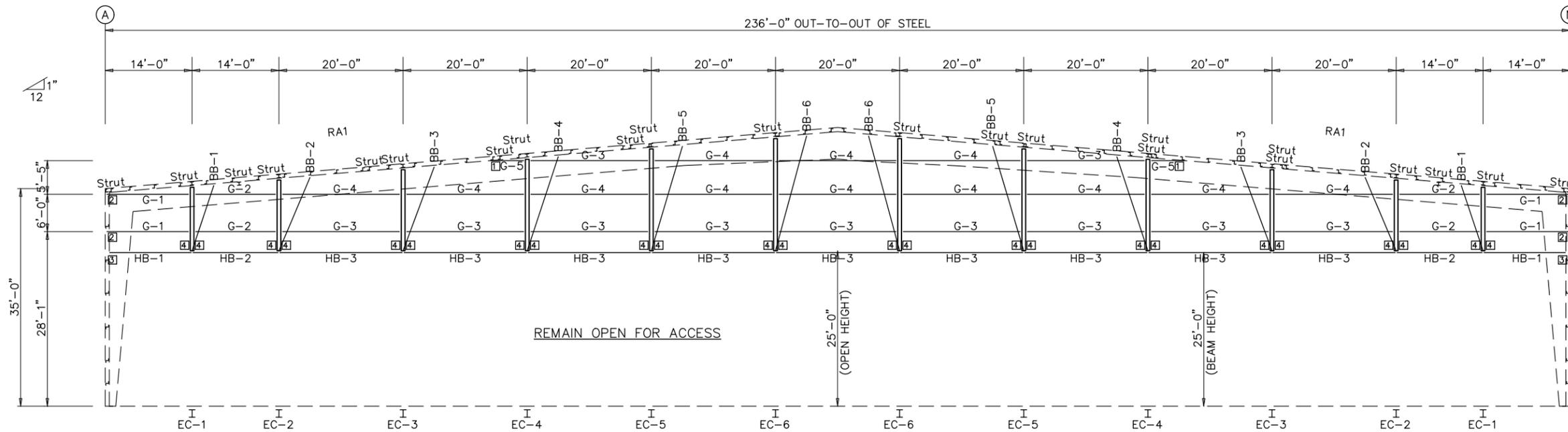
DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION
 PERMIT-NOT FOR CONSTRUCTION

	JOB ID: BS23-091		DATE: 10/26/23
	CUSTOMER	PROJECT	
	Quality Construction of America	Robbins Manufacturing	
	CUSTOMER ADDRESS	PROJECT ADDRESS	
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055		DRAFT: SW
www.reedsmetals.com			SHEET: E8 OF: E11
Metal Roofing o Metal Buildings o Pole Barns			CHECK:

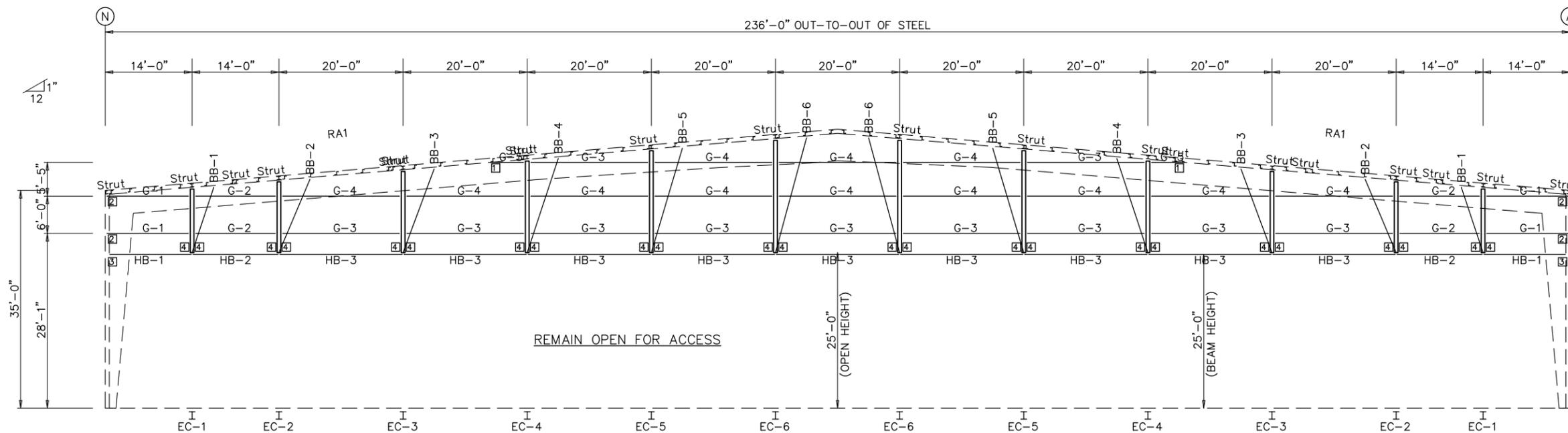
BOLT TABLE				
FRAME LINE 1 & 4				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	2	A325	1 1/2"	1 1/4"
Back Braces	2	A325	3/4"	1 3/4"

MEMBER TABLE				
FRAME LINE 1 & 4				
QUAN	MARK	PART	LENGTH	
4	HB-1	8C34X16	13'-8 3/4"	
4	HB-2	8C34X16	13'-6"	
18	HB-3	8C34X14	19'-6"	
4	BB-1	W8X18	18'-8 15/16"	
4	BB-2	W8X18	19'-5 1/16"	
4	BB-3	W8X18	20'-5 5/8"	
4	BB-4	W10X22	21'-7 1/16"	
4	BB-5	W8X24	22'-9 3/8"	
4	BB-6	W8X24	24'-0 5/16"	
4	EC-1	W8X10	10'-5"	
4	EC-2	W8X10	11'-7"	
4	EC-3	W8X10	13'-3"	
4	EC-4	W8X10	14'-11"	
4	EC-5	W8X10	16'-7"	
4	EC-6	W8X10	18'-2 15/16"	
8	G-1	8Z23X16	13'-8 3/4"	
8	G-2	8Z23X16	13'-6"	
22	G-3	8Z23X14	19'-6"	
24	G-4	8Z23X12	19'-6"	
4	G-5	8Z23X16	5'-8 11/16"	

CONNECTION PLATES			
FRAME LINE 1 & 4			
ID	QUAN	MARK	PART
1	4	d1	
2	8	d2	
3	4	d3	
4	48	d4	



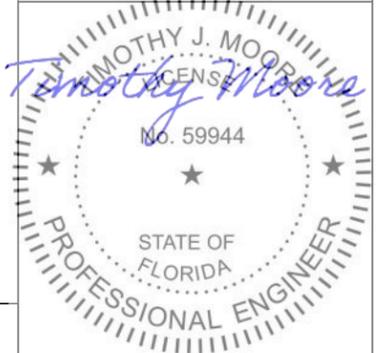
ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 4

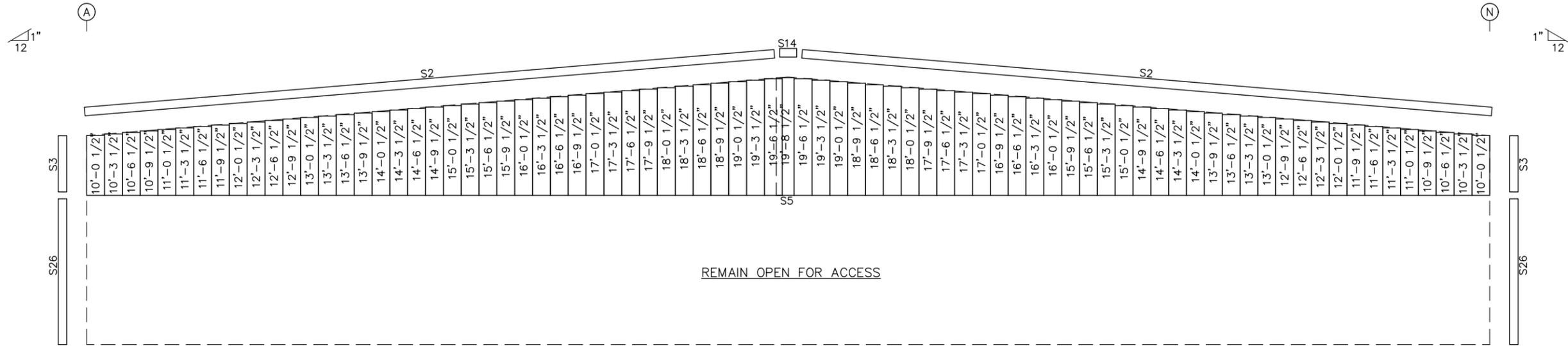
BS23-091A

THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.

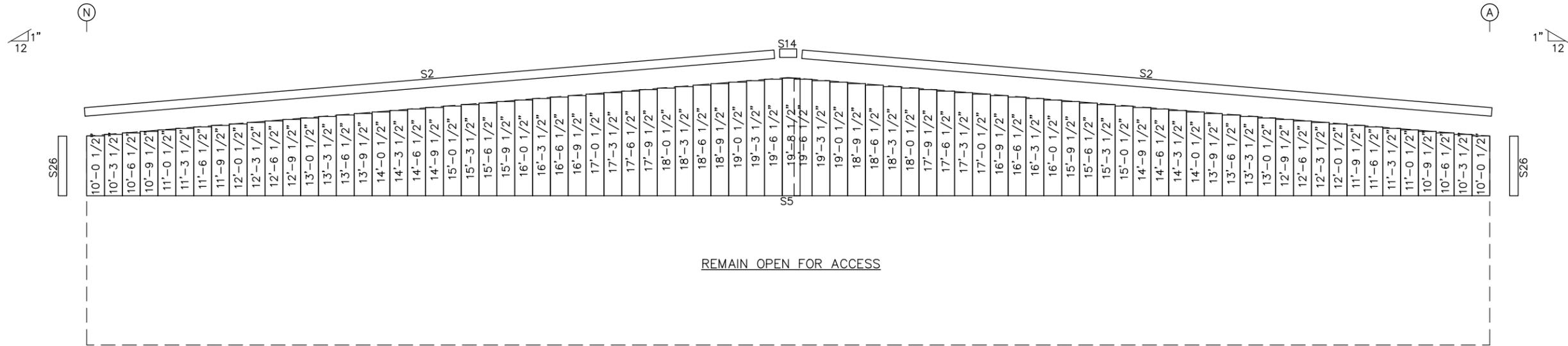


DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION PERMIT-NOT FOR CONSTRUCTION

	JOB ID: BS23-091		DATE: 10/26/23
	CUSTOMER	PROJECT	
	Quality Construction of America	Robbins Manufacturing	
	CUSTOMER ADDRESS	PROJECT ADDRESS	
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055		DRAFT: SW
			CHECK:



ENDWALL SHEETING & TRIM: FRAME LINE 1
 PANELS: 26 Ga. PBR - Forest Green



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

THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.



DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION CONSTRUCTION
 PERMIT-NOT FOR CONSTRUCTION

	JOB ID: BS23-091		DATE: 10/26/23
	CUSTOMER	PROJECT	
	Quality Construction of America	Robbins Manufacturing	
	CUSTOMER ADDRESS	PROJECT ADDRESS	
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055		CHECK:

1" / 12

M

N

S54

S28

REMAIN OPEN FOR ACCESS

ENDWALL SHEETING & TRIM: FRAME LINE 3

BS23-091A

N

S54

S28

REMAIN OPEN FOR ACCESS

ENDWALL SHEETING & TRIM: FRAME LINE 2

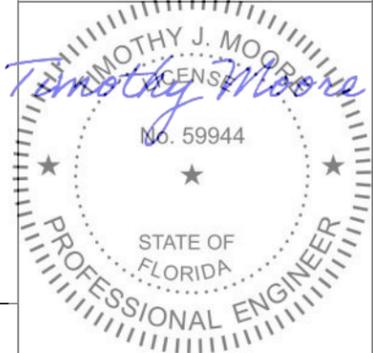
BS23-091A

1" / 12

M

BS23-091B

THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.



DRAWINGS FOR APPROVAL-NOT FOR CONSTRUCTION PERMIT-NOT FOR CONSTRUCTION CONSTRUCTION



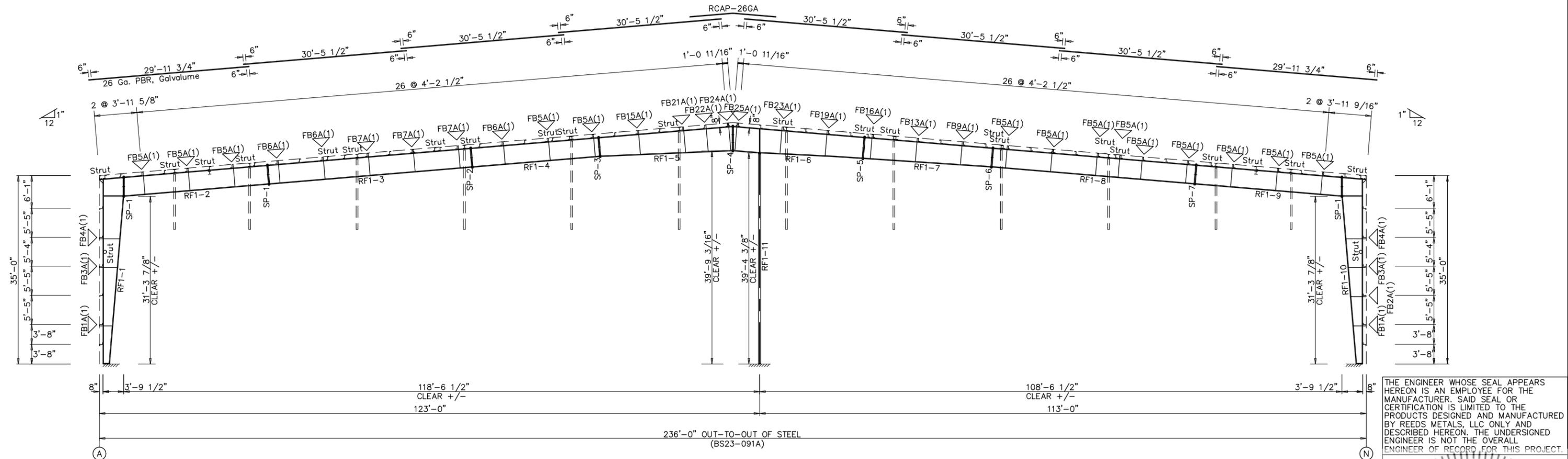
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CUSTOMER		PROJECT	
Quality Construction of America		Robbins Manufacturing	
CUSTOMER ADDRESS		PROJECT ADDRESS	
3631 US HWY EAST Lake City, FL 32055		702 NE OKINAWA ST. Lake City, FL 32055	
DESIGN: DR		SHEET: E11 OF: E11	
DRAFT: SW		CHECK:	

SPLICE PLATE & BOLT TABLE										CAP PLATE BOLTS				
Mark	Qty		Type	Dia	Length	Width	Thick	Length		Mark	Qty	Type	Dia	Length
	Top	Bot						Int	Ext					
SP-1	4	4	2	A325	0.750	2.50	6"	5/8"	3'-10 7/8"	RF1-11	4	A325	0.625	2.00
SP-2	4	4	2	A325	0.875	3.00	6"	3/4"	3'-10 7/8"					
SP-3	4	4	2	A325	0.750	2.50	6"	1/2"	3'-10 13/16"					
SP-4	4	4	4	A325	1.000	3.00	8"	3/4"	4'-11 1/8"					
SP-5	4	4	2	A325	0.750	2.50	6"	5/8"	4'-3 3/4"					
SP-6	4	4	2	A325	0.750	2.50	6"	1/2"	3'-10 3/4"					
SP-7	4	4	2	A325	0.750	2.50	6"	5/8"	3'-10 3/4"					

NOTE TO ERECTOR:
 USE (2) 1/2" X 1 1/4" A325 BOLTS
 AT FLANGE BRACE CONNECTIONS.

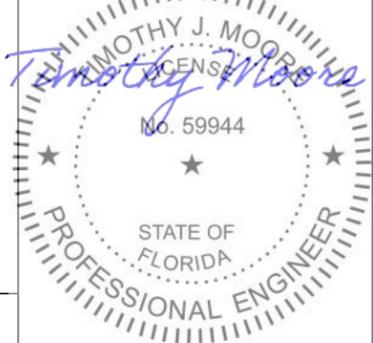
MEMBER TABLE										
Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start/End	Thick	Length	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF1-1	12.0/45.0	0.250	415.5	6"	1/4"	6 x 1/4" x 411.8	6"	1/4"	6 x 1/4" x 373.5	
RF1-2	40.0/40.0	0.250	324.9	6"	1/4"	6 x 1/4" x 321.6	6"	1/4"	6 x 1/4" x 324.9	
RF1-3	40.0/40.0	0.250	454.6	6"	3/8"	6 x 3/8" x 137.4	6"	5/16"	6 x 5/16" x 454.6	
RF1-4	40.0/40.0	0.250	285.5	6"	1/2"	6 x 1/2" x 317.3	6"	1/4"	6 x 1/4" x 285.5	
RF1-5	40.0/52.0	0.313	300.0	6"	5/16"	6 x 5/16" x 300.0	6"	5/16"	6 x 5/16" x 295.9	
RF1-6	52.0/52.0	0.313	48.8	8"	5/16"	8 x 5/16" x 234.8	8"	1/2"	8 x 1/2" x 50.4	
	46.2/45.0	0.250	65.4	6"	1/4"	6 x 1/4" x 59.4	6"	1/4"	6 x 1/4" x 59.4	
RF1-7	45.0/40.0	0.250	286.9	6"	1/4"	6 x 1/4" x 286.9	6"	5/16"	6 x 5/16" x 286.9	
RF1-8	40.0/40.0	0.250	454.9	6"	1/4"	6 x 1/4" x 454.9	6"	1/4"	6 x 1/4" x 454.9	
RF1-9	40.0/40.0	0.250	329.4	6"	1/4"	6 x 1/4" x 326.1	6"	1/4"	6 x 1/4" x 329.4	
RF1-10	45.0/12.0	0.250	415.5	6"	1/4"	6 x 1/4" x 53.3	6"	1/4"	6 x 1/4" x 373.5	
RF1-11	W10X49									

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1)
 A - L2X2X316



RIGID FRAME ELEVATION: FRAME LINE 1

THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.



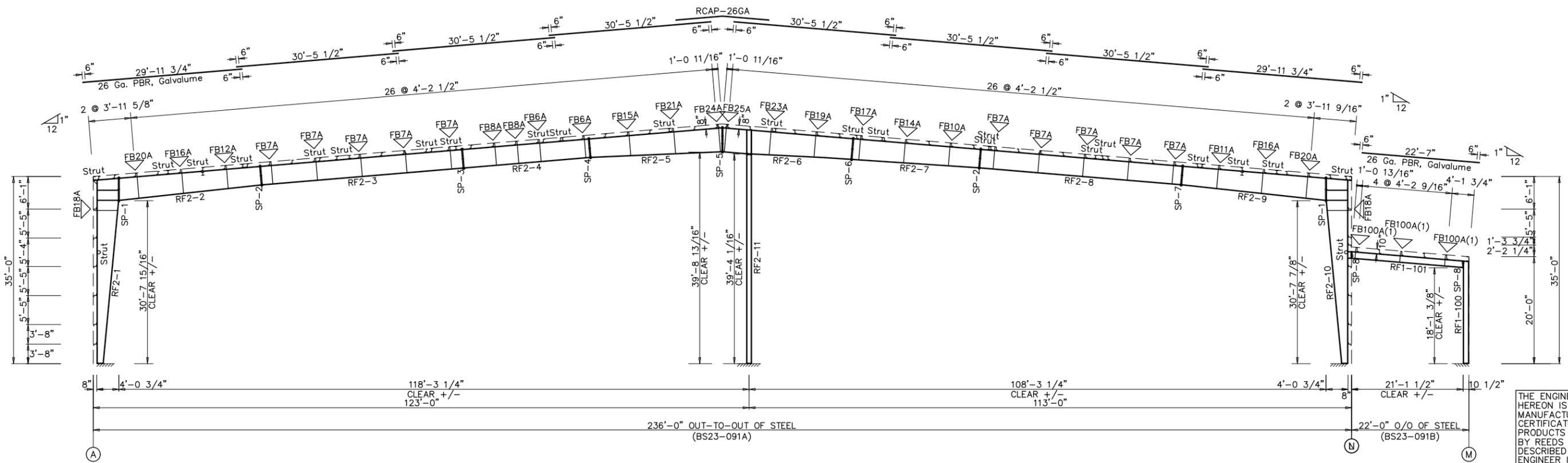
DRAWINGS FOR <input type="checkbox"/> APPROVAL-NOT FOR CONSTRUCTION <input type="checkbox"/> CONSTRUCTION		<input checked="" type="checkbox"/> PERMIT-NOT FOR CONSTRUCTION	
 1-800-581-4645 www.reedsmetals.com Metal Roofing o Metal Buildings o Pole Barns		JOB ID: BS23-091 CUSTOMER: Quality Construction of America CUSTOMER ADDRESS: 3631 US HWY EAST, Lake City, FL 32055	PROJECT: Robbins Manufacturing PROJECT ADDRESS: 702 NE OKINAWA ST., Lake City, FL 32055
		DATE: 10/26/23	DESIGN: DR
		DRAFT: SW	SHEET: F1 OF: F4
		CHECK:	

SPLICE PLATE & BOLT TABLE										CAP PLATE BOLTS				
Mark	Qty		Type	Dia	Length	Width	Thick	Length		Mark	Qty	Type	Dia	Length
	Top	Bot						Int	Ext					
SP-1	4	4	2	A325	0.875	3.00	1'-0"	3/4"	4'-7"	RF2-11	4	A325	0.625	2.00
SP-2	4	4	2	A325	0.875	3.00	8"	3/4"	3'-10 15/16"					
SP-3	4	4	2	A325	1.250	3.50	8"	3/4"	3'-11 5/8"					
SP-4	4	4	2	A325	0.750	2.50	6"	5/8"	3'-10 15/16"					
SP-5	4	4	4	A325	1.000	3.50	8"	1"	4'-11 3/16"					
SP-6	4	4	2	A325	0.875	2.50	8"	5/8"	4'-3 13/16"					
SP-7	4	4	2	A325	0.875	2.50	6"	5/8"	3'-10 15/16"					
SP-8	4	0	0	A325	0.750	2.50	5"	1/2"	1'-1 9/16"					

NOTE TO ERECTOR:
USE (2) 1/2" X 1 1/4" A325 BOLTS
AT FLANGE BRACE CONNECTIONS.

Mark	Web Depth		Web Thick	Plate Length	Outside Flange			Inside Flange		
	Start	End			W	Thk	Length	W	Thk	Length
RF2-1	12.0	48.0	0.250	415.7	12	x 3/8"	x 411.6	12	x 3/8"	x 365.9
RF2-2	48.0	40.0	0.250	322.1	6	x 3/8"	x 56.4	6	x 3/8"	x 156.1
RF2-3	40.0	40.0	0.250	454.5	6	x 1/2"	x 162.0	8	x 1/2"	x 454.5
RF2-4	40.0	40.0	0.250	285.0	8	x 1/2"	x 454.5	8	x 3/8"	x 137.3
RF2-5	40.0	52.0	0.313	300.0	8	x 1/2"	x 111.7	6	x 1/2"	x 173.3
RF2-6	52.0	52.0	0.313	48.5	6	x 5/16"	x 300.0	6	x 5/16"	x 295.9
	52.0	46.2	0.313	180.0	8	x 5/8"	x 234.5	8	x 5/8"	x 50.1
	46.2	45.0	0.250	65.4	8	x 3/8"	x 59.4	8	x 3/8"	x 180.1
RF2-7	45.0	40.0	0.250	286.6	8	x 3/8"	x 286.6	8	x 3/8"	x 59.4
RF2-8	40.0	40.0	0.250	454.6	8	x 3/8"	x 124.6	8	x 1/4"	x 162.0
RF2-9	40.0	48.0	0.250	326.7	6	x 1/2"	x 454.6	6	x 3/8"	x 454.6
RF2-10	48.0	12.0	0.250	415.7	6	x 5/16"	x 322.7	6	x 3/8"	x 326.8
					12	x 3/8"	x 56.4	12	x 3/8"	x 365.8
RF2-11	W10X54									
RF1-100	10.0	10.0	0.188	230.1	5	x 1/4"	x 229.2	5	x 1/4"	x 216.9
					5	x 1/4"	x 10.3			
RF1-101	13.0	13.0	0.188	254.2	5	x 1/4"	x 253.1	5	x 1/4"	x 253.1

FLANGE BRACES: Both Sides(U.N.)
FBxxA(1)
A - L2X2X316



RIGID FRAME ELEVATION: FRAME LINE 2

THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.



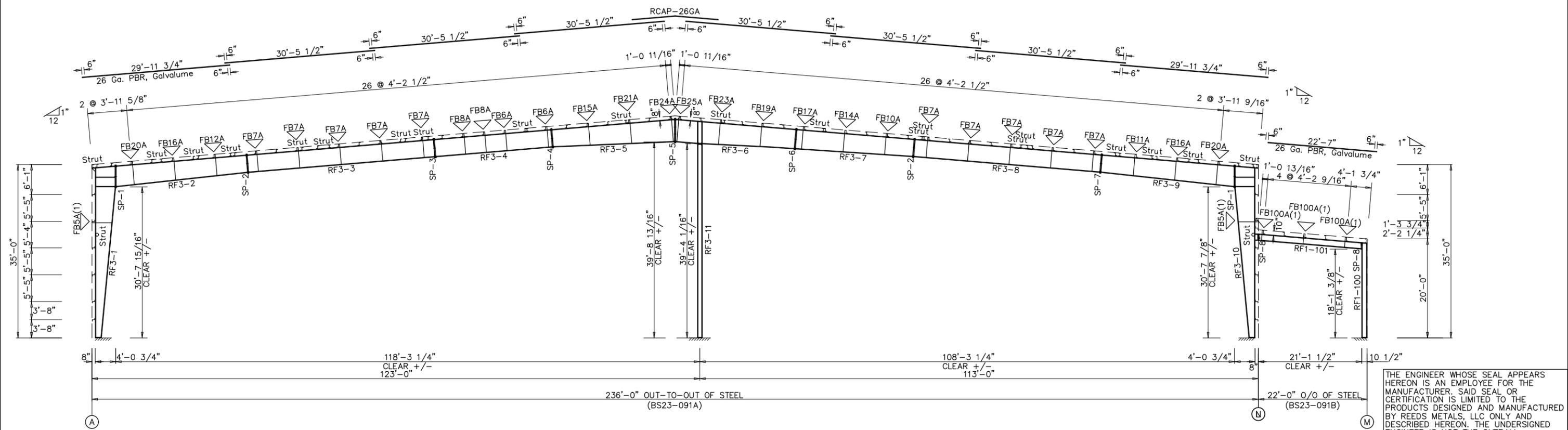
DRAWINGS FOR <input type="checkbox"/> APPROVAL-NOT FOR CONSTRUCTION <input checked="" type="checkbox"/> PERMIT-NOT FOR CONSTRUCTION <input type="checkbox"/> CONSTRUCTION		JOB ID: BS23-091	DATE: 10/26/23
 1-800-581-4645 www.reedsmetals.com Metal Roofing o Metal Buildings o Pole Barns	CUSTOMER	PROJECT	DESIGN: DR
	Quality Construction of America	Robbins Manufacturing	DRAFT: SW
	CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: F2 OF: F4
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK:	

SPLICE PLATE & BOLT TABLE										CAP PLATE BOLTS				
Mark	Qty		Type	Dia	Length	Width	Thick	Length		Mark	Qty	Type	Dia	Length
	Top	Bot						Int	Ext					
SP-1	4	4	2	A325	0.875	3.00	1'-0"	3/4"	4'-7"	RF3-11	4	A325	0.625	2.00
SP-2	4	4	2	A325	0.875	3.00	8"	3/4"	3'-10 15/16"					
SP-3	4	4	2	A325	1.250	3.50	8"	3/4"	3'-11 5/8"					
SP-4	4	4	2	A325	0.750	2.50	6"	5/8"	3'-10 15/16"					
SP-5	4	4	4	A325	1.000	3.50	8"	1"	4'-11 3/16"					
SP-6	4	4	2	A325	0.875	2.50	8"	5/8"	4'-3 13/16"					
SP-7	4	4	2	A325	0.875	2.50	6"	5/8"	3'-10 15/16"					
SP-8	4	0	0	A325	0.750	2.50	5"	1/2"	1'-1 9/16"					

NOTE TO ERECTOR:
USE (2) 1/2" X 1 1/4" A325 BOLTS
AT FLANGE BRACE CONNECTIONS.

MEMBER TABLE										
Mark	Web Depth		Web Thick	Plate Length	Outside Flange			Inside Flange		
	Start/End	Thick			W x Thk x Length	W x Thk x Length	W x Thk x Length			
RF3-1	12.0/48.0	0.250	415.7	12 x 3/8" x 411.6	12 x 3/8" x 365.9					
RF3-2	48.0/40.0	0.250	322.1	6 x 3/8" x 56.4	6 x 3/8" x 156.1	6 x 1/2" x 162.0	8 x 1/2" x 454.5	6 x 5/16" x 322.2		
RF3-3	40.0/40.0	0.250	454.5	6 x 3/4" x 173.3	6 x 3/8" x 111.7	6 x 1/2" x 173.3	6 x 5/16" x 117.7	8 x 3/8" x 137.3	8 x 1/2" x 317.3	
RF3-4	40.0/40.0	0.250	285.0	6 x 3/4" x 173.3	6 x 3/8" x 111.7	6 x 1/2" x 173.3	6 x 5/16" x 117.7	8 x 3/8" x 137.3	8 x 1/2" x 317.3	
RF3-5	40.0/52.0	0.313	300.0	6 x 5/16" x 300.0	6 x 5/16" x 295.9	8 x 5/8" x 50.1	8 x 3/8" x 59.4	8 x 5/8" x 180.1	8 x 3/8" x 124.6	
RF3-6	52.0/52.0	0.313	48.5	8 x 5/16" x 234.5	8 x 5/16" x 234.5	8 x 3/8" x 59.4	8 x 3/8" x 59.4	8 x 3/8" x 124.6	8 x 1/4" x 162.0	
RF3-7	46.2/45.0	0.250	65.4	8 x 3/8" x 59.4	8 x 3/8" x 124.6	8 x 1/4" x 162.0				
RF3-8	45.0/40.0	0.250	286.6	8 x 3/8" x 286.6	8 x 3/8" x 286.6	8 x 3/8" x 124.6	8 x 1/4" x 162.0	6 x 3/8" x 454.6	6 x 3/8" x 326.8	
RF3-9	40.0/40.0	0.250	454.6	6 x 1/2" x 454.6	6 x 5/16" x 322.7	6 x 5/16" x 56.4	12 x 3/8" x 411.6	6 x 3/8" x 326.8	12 x 3/8" x 365.9	
RF3-10	40.0/48.0	0.250	326.7	6 x 5/16" x 322.7	6 x 5/16" x 56.4	12 x 3/8" x 411.6				
RF3-11	48.0/12.0	0.250	415.7	12 x 3/8" x 411.6						
RF3-11	W10X54									
RF1-100	10.0/10.0	0.188	230.1	5 x 1/4" x 229.2	5 x 1/4" x 10.3	5 x 1/4" x 253.1		5 x 1/4" x 216.9		
RF1-101	13.0/13.0	0.188	254.2	5 x 1/4" x 253.1				5 x 1/4" x 253.1		

FLANGE BRACES: Both Sides(U.N.)
FBxxA(1)
A - L2X2X316



RIGID FRAME ELEVATION: FRAME LINE 3

THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.



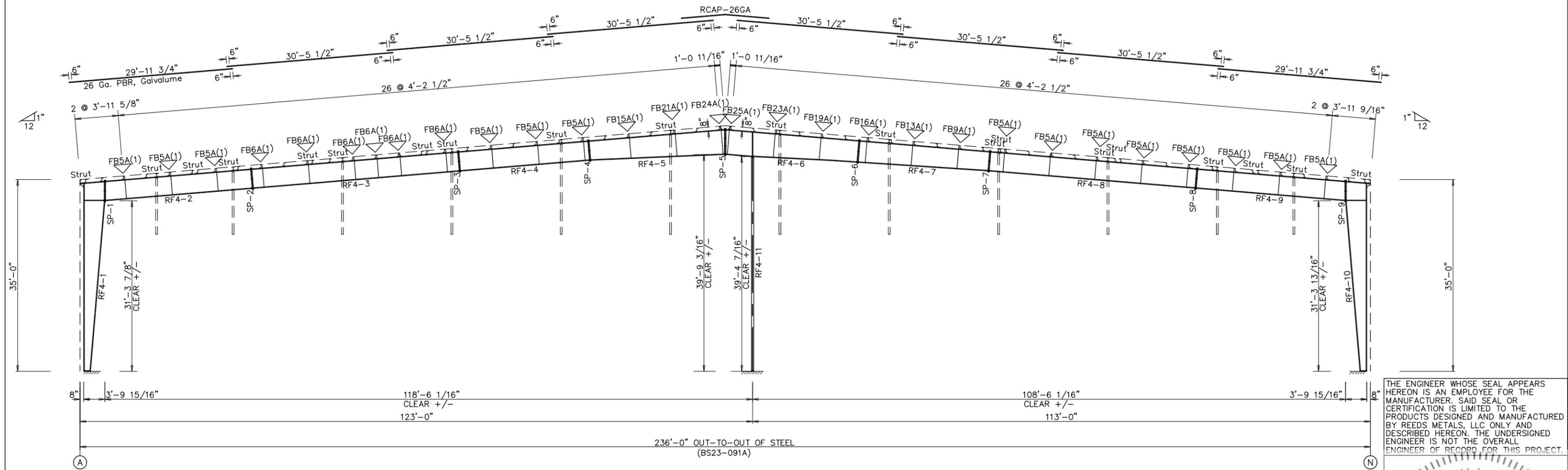
 REED'S METALS, LLC 1-800-581-4645 www.reedsmetals.com Metal Roofing o Metal Buildings o Pole Barns	DRAWINGS FOR <input type="checkbox"/> APPROVAL-NOT FOR CONSTRUCTION <input checked="" type="checkbox"/> PERMIT-NOT FOR CONSTRUCTION <input type="checkbox"/> CONSTRUCTION		JOB ID: BS23-091	DATE: 10/26/23
	CUSTOMER Quality Construction of America CUSTOMER ADDRESS 3631 US HWY EAST Lake City, FL 32055	PROJECT Robbins Manufacturing PROJECT ADDRESS 702 NE OKINAWA ST. Lake City, FL 32055	DESIGN: DR DRAFT: SW SHEET: F3 OF: F4 CHECK:	

SPLICE PLATE & BOLT TABLE										CAP PLATE BOLTS				
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length	Mark	Qty	Type	Dia	Length
SP-1	4	4	2	A325	0.750	2.50	10"	5/8"	3'-10 7/8"	RF4-11	4	A325	0.625	2.00
SP-2	4	4	2	A325	0.750	2.50	6"	5/8"	3'-10 13/16"					
SP-3	4	4	2	A325	0.875	3.00	6"	3/4"	3'-10 13/16"					
SP-4	4	4	2	A325	0.750	2.50	6"	1/2"	3'-10 13/16"					
SP-5	4	4	4	A325	0.875	3.00	8"	3/4"	4'-11 1/16"					
SP-6	4	4	2	A325	0.750	2.50	8"	5/8"	4'-3 3/4"					
SP-7	4	4	2	A325	0.750	2.50	8"	1/2"	3'-10 3/4"					
SP-8	4	4	2	A325	0.750	2.50	6"	1/2"	3'-10 3/4"					
SP-9	4	4	2	A325	0.875	3.00	10"	3/4"	3'-10 15/16"					

NOTE TO ERECTOR:
USE (2) 1/2" X 1 1/4" A325 BOLTS
AT FLANGE BRACE CONNECTIONS.

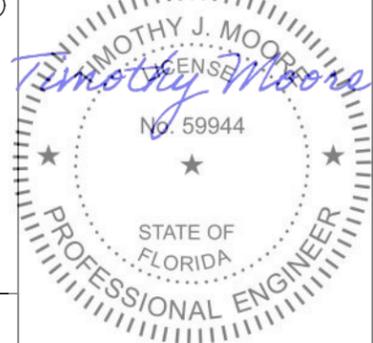
MEMBER TABLE										
Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start/End	Thick	Length	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF4-1	12.0/45.0	0.250	415.5	10	5/16"	x 411.8	10	5/8"	x 373.5	
RF4-2	40.0/40.0	0.250	324.9	6	1/4"	x 53.4	6	1/4"	x 324.9	
RF4-3	40.0/40.0	0.250	454.6	6	1/4"	x 454.6	6	1/4"	x 454.6	
RF4-4	40.0/40.0	0.250	285.5	6	5/16"	x 285.5	6	5/16"	x 285.5	
RF4-5	40.0/52.0	0.313	300.0	6	5/16"	x 300.0	6	5/16"	x 295.9	
RF4-6	52.0/52.0	0.313	48.8	8	5/16"	x 234.8	8	3/8"	x 50.4	
	52.0/46.2	0.313	180.0	8	1/4"	x 59.4	8	3/8"	x 180.1	
	46.2/45.0	0.250	65.4	8	5/16"	x 59.4	8	5/16"	x 59.4	
RF4-7	45.0/40.0	0.250	286.9	8	1/4"	x 286.9	8	5/16"	x 286.9	
RF4-8	40.0/40.0	0.250	455.0	6	1/4"	x 455.0	6	1/4"	x 455.0	
RF4-9	40.0/40.0	0.250	329.2	6	1/4"	x 325.9	6	5/16"	x 329.2	
RF4-10	45.0/12.0	0.250	415.5	6	1/4"	x 53.4	10	5/8"	x 373.5	
RF4-11	W10X49									

FLANGE BRACES: Both Sides(U.N.)
FBxxA(1)
A - L2X2X316



RIGID FRAME ELEVATION: FRAME LINE 4

THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.



DRAWINGS FOR <input type="checkbox"/> APPROVAL-NOT FOR CONSTRUCTION <input type="checkbox"/> CONSTRUCTION		<input checked="" type="checkbox"/> PERMIT-NOT FOR CONSTRUCTION	
 1-800-581-4645 www.reedsmetals.com Metal Roofing o Metal Buildings o Pole Barns		JOB ID: BS23-091 CUSTOMER: Quality Construction of America CUSTOMER ADDRESS: 3631 US HWY EAST, Lake City, FL 32055	PROJECT: Robbins Manufacturing PROJECT ADDRESS: 702 NE OKINAWA ST., Lake City, FL 32055
		DATE: 10/26/23	DESIGN: DR
		DRAFT: SW	SHEET: F4 OF: F4
		CHECK:	