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 : IBC 18 (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: 6.53 kips Transverse Force: 7.24 kips	
IMPORTANCE FACTORS:		
WIND LOAD:	1.00	
SNOW LOAD	1.0000	
SEISMIC LOAD	1.00	

ROOF PANELS:

COLOR: Galvalume

WALL PANELS:

COLOR: Stock Color- SilPoly

TRIM COLORS:

GABLE: Stock Color- SilPoly
CORNER: Stock Color- SilPoly
EAVE: Stock Color- SilPoly
FRAMED OPENINGS: N/A
BASE: Stock Color- SilPoly

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 FRAME = H/60. L/180

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

QTY.	SCHEDULE OF ACCESSORIES

APPROVAL DRAWINGS
NOT FOR CONSTRUCTION

SCHEDULE OF DRAWINGS	
C1-C4	COVER SHEETS
AB1-AB4	ANCHOR BOLT DWGS
E1-E18	ERECTION DWGS
F1-F5	CROSS SECTIONS

DTE:
OR QUESTIONS OR ASSISTANCE CONCERNING YOUR REED'S METALS INC UILDING, PLEASE CONTACT OUR BUILDING COORDINATOR,

REW PHILLIP
EED'S METALS, LLC
OOKHAVEN,MS 39601
E. LINCOLN DRIVE NE
-601-990-4380

APPROVAL DRAWINGS ONLY

APPROVED:

☐ AS SHOWN ☐ AS NOTED

NOT BE USED FOR CONSTRUCTION

DATE: _____

SIGNED: _____

ANY CHANGES MADE AFTER THIS APPROVAL WILL CAUSE EXPENSE, DELAY AND POSSIBLY COSTLY FIELD MODIFICATIONS AND RE-FABRICATION. THIS PROJECT WILL ENTER THE FABRICATION SCHEDULE WHEN THE APPROVALS ARE APPROVED, DATED, SIGNED AND RETURNED TO REED'S METALS, INC..

BS23-091A

LOCATION: Lake City, FL 32055
PURCHASER: Quality Construction of America
PROJECT: Robbins Manufacturing
JOB NUMBER: BS23-091
SHEET: C1 OF C4

Timothy J. Moore, P.E. (Digitally signed by Timothy J. Moore, P.E. Date: 2023.10.02 11:12:56 -05'00')

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

TIMOTHY J. MOORE
No. 59044
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 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 : IBC 18 (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: 0.12 kips Transverse Force: 0.24 kips	

IMPORTANCE FACTORS:

WIND LOAD:	1.00
SNOW LOAD	1.0000
SEISMIC LOAD	1.00

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
1 E. LINCOLN DRIVE NE
601-990-4380

ROOF PANELS:

COLOR: Galvalume

WALL PANELS:

COLOR: N/A

TRIM COLORS:

GABLE: Stock Color- SilPoly
CORNER: N/A
EAVE: Stock Color- SilPoly
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 FRAME = H/60. L/180

APPROVAL DRAWINGS ONLY

APPROVED:

☐ AS SHOWN ☐ AS NOTED

NOT BE USED FOR CONSTRUCTION

DATE: _____

SIGNED: _____

ANY CHANGES MADE AFTER THIS APPROVAL WILL CAUSE EXPENSE, DELAY AND POSSIBLY COSTLY FIELD MODIFICATIONS AND RE-FABRICATION. THIS PROJECT WILL ENTER THE FABRICATION SCHEDULE WHEN THE APPROVALS ARE APPROVED, DATED, SIGNED AND RETURNED TO REED'S METALS, INC..

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

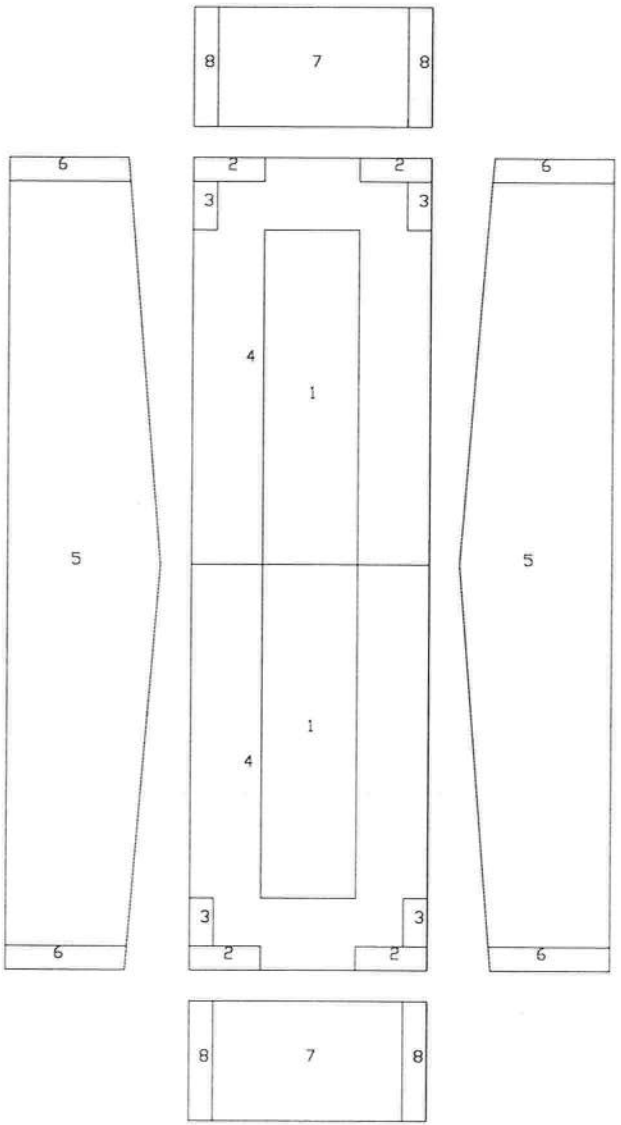
QTY.	SCHEDULE OF ACCESSORIES

APPROVAL DRAWINGS
NOT FOR CONSTRUCTION

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNE ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PRO.

LOCATION: Lake City, FL 32055
PURCHASER: Quality Construction of America
PROJECT: Robbins Manufacturing
JOB NUMBER: BS23-091
SHEET: C2 OF C4



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

Components & Cladding

Components & Cladding

Zone	Width (ft)	Length (ft)	Pressure(psf) Member	Pressure(psf) Panel	Suction(psf) Member	Suction(psf) 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

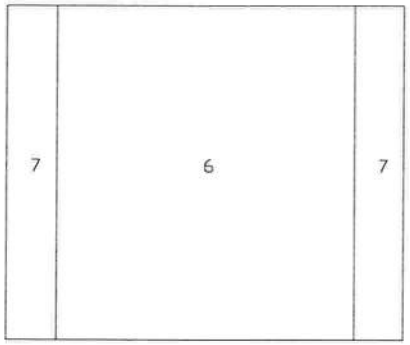
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNE ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PRO

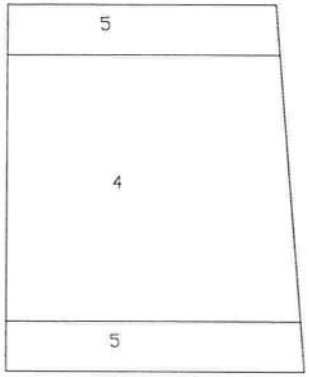
TIMOTHY J. MOORE LICENSE No. 59944 STATE OF FLORIDA PROFESSIONAL ENGINEER

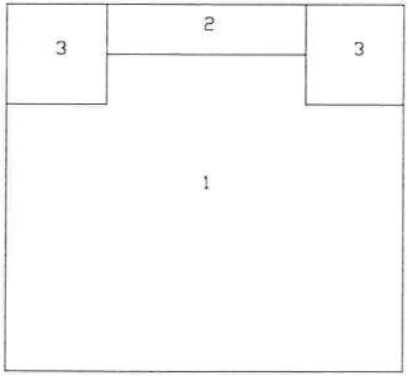
DRAWINGS FOR ☒ APPROVAL-NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT-NOT FOR CONSTRUCTION

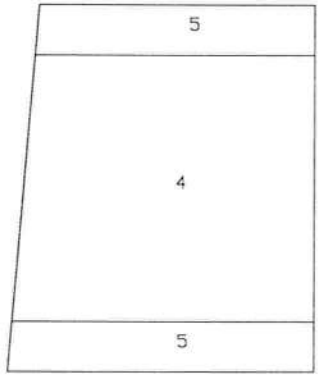
REED'S METALS LLC 1-800-581-4645 www.reedsmetals.com Metal RoofingMetal BuildingsPole Barns

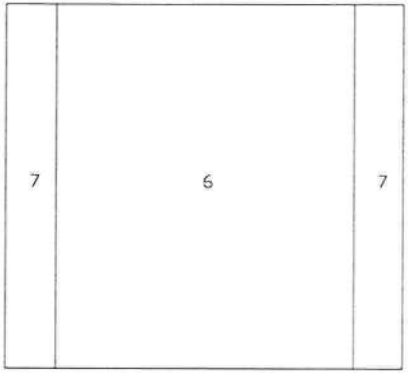
JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFTPND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET:C3 OF:C4
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECKPNC











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

Components & Cladding

Components & Cladding

Zone	Width (ft)	Length (ft)	Pressure(psf) Member	Pressure(psf) Panel	Suction(psf) Member	Suction(psf) 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

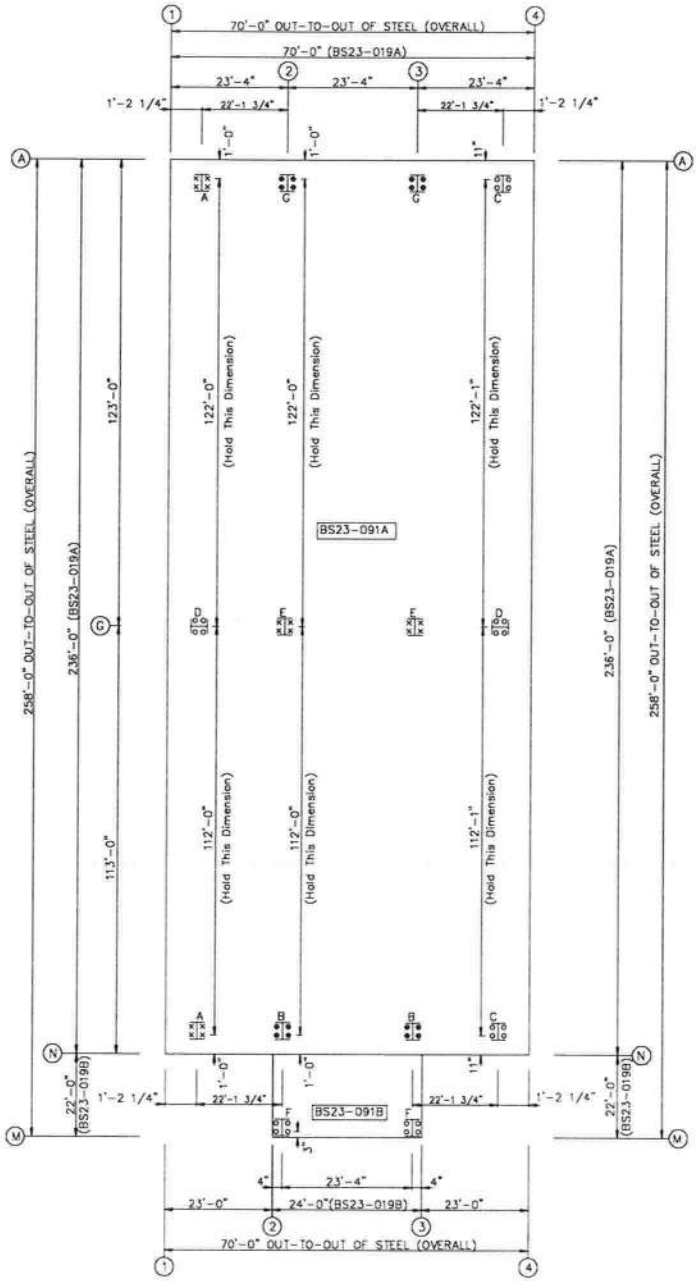
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTURED BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNED ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJECT.

TIMOTHY J. MOORE
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

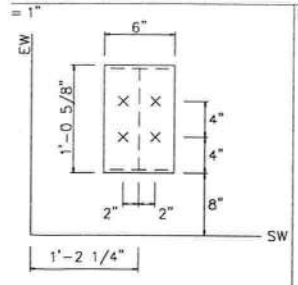
DRAWINGS FOR ☒ APPROVAL-NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT-NOT FOR CONSTRUCTION

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

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: C4 OF: C4
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

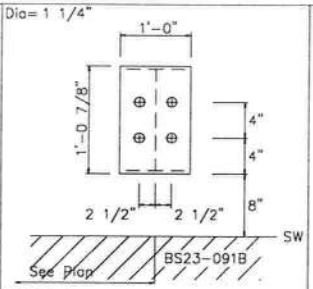

70'-0" OUT-TO-OUT OF STEEL (OVERALL)
70'-0" (BS23-019A)
23'-4"
23'-4"
23'-4"
1'-2 1/4"
22'-1 3/4"
22'-1 3/4"
1'-2 1/4"
1'-0"
1'-0"
1'-0

= 1"



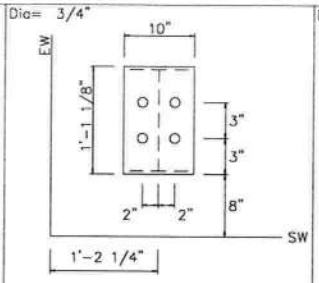
TAIL A

Dia= 1 1/4"



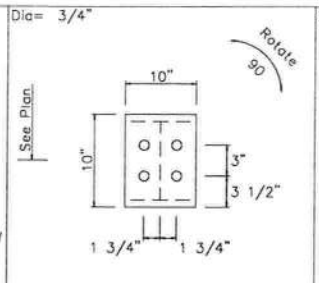
DETAIL B

Dia= 3/4"



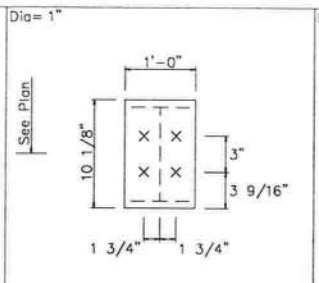
DETAIL C

Dia= 3/4"



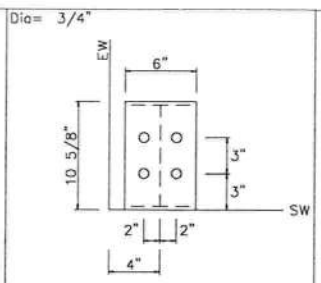
DETAIL D

Dia= 1"



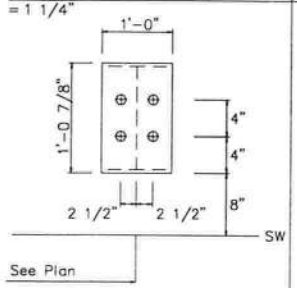
DETAIL E

Dia= 3/4"



DETAIL F

= 1 1/4"



TAIL G

NOTE:
CONCRETE DETAILS
TO BE DETERMINED BY
GENERAL CONTRACTOR.

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

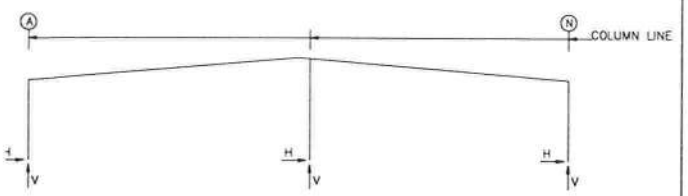
TIMOTHY J. MOORE
LICENSE
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: AB2 OF: A
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

AME LINES: 1 2 3 4



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

Frm Line	Col Line	Load Id	Column_Reactions(k) Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
1	A	1	7.6	21.5	4	−7.6	−13.6	4	1.000	6.000	12.63	0.625	0.0
		3	6.3	33.7	6	0.8	−35.5						
1	N	5	7.5	−12.7	1	−7.6	19.4	4	1.000	6.000	12.63	0.625	0.0
		2	−6.2	33.1	7	−0.9	−35.7						
1	@123.0	5	0.0	−15.4	5	0.0	−15.4	4	0.750	10.00	10.00	0.625	0.0
		1	0.0	52.4									

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

Frm Line	Col Line	Load Id	Column_Reactions(k) Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
2	A	1	13.9	33.1	4	−19.6	−33.2	4	1.250	12.00	12.88	0.625	0.0
		3	8.2	36.3	6	−2.8	−49.4						
2	N	5	19.0	−33.8	1	−13.8	33.9	4	1.250	12.00	12.88	0.625	0.0
		2	−9.6	37.4	7	0.6	−49.9						
2	@123.0	5	0.0	−43.1	5	0.0	−43.1	4	1.000	12.00	10.13	0.625	0.0
		1	0.0	67.2									

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

Frm Line	Col Line	Load Id	Column_Reactions(k) Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
3	A	1	13.9	33.1	4	−19.6	−33.2	4	1.250	12.00	12.88	0.625	0.0
		3	8.2	35.2	6	−2.8	−47.9						
3	N	5	19.0	−33.8	1	−13.8	33.9	4	1.250	12.00	12.88	0.625	0.0
		2	−9.5	36.3	7	0.6	−48.4						
3	@123.0	5	0.0	−43.1	5	0.0	−43.1	4	1.000	12.00	10.13	0.625	0.0
		1	0.0	67.2									

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

Frm Line	Col Line	Load Id	Column_Reactions(k) Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
4	A	1	9.5	23.0	5	−4.6	−4.9	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									

NOTE:
CONCRETE DETAILS
TO BE DETERMINED BY
GENERAL CONTRACTOR.

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
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

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
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

Frame Line	Column Line	F1PAT_LL_1 Horiz	F1PAT_LL_1 Vert	F1PAT_LL_2 Horiz	F1PAT_LL_2 Vert
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

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
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

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
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

Frame Line	Column Line	F2PAT_LL_1 Horiz	F2PAT_LL_1 Vert	F2PAT_LL_2 Horiz	F2PAT_LL_2 Vert
2	A	3.8	16.8	3.5	−0.3
2	N	−3.8	−0.6	−3.5	15.6
2	@123.0	0.0	18.2	0.0	16.3

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	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

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
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

Frame Line	Column Line	F3PAT_LL_1 Horiz	F3PAT_LL_1 Vert	F3PAT_LL_2 Horiz	F3PAT_LL_2 Vert
3	A	3.8	16.8	3.5	−0.3
3	N	−3.8	−0.6	−3.5	15.6
3	@123.0	0.0	18.2	0.0	16.3

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
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

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	F4PAT_LL_1 Horiz	F4PAT_LL_1 Vert
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

Frame Line	Column Line	F4PAT_LL_2 Horiz	F4PAT_LL_2 Vert
4	A	1.7	−0.2
4	N	−1.7	8.2
4	@123.0	0.0	8.8

BUILDING BRACING REACTIONS

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

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)	= 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 (Reducible)
Frame Live Load(psf)	= 12.0
Wind Speed (mph)	= 130.0
Servicability Wind Speed (mph)	= 75.0
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

ANCHOR BOLT SUMMARY

	Qty	Locate	Dia (in)	Type	Proj (in)
X	16	Frame	1"	A307	2.50
⊕	16	Frame	1 1/4"	A307	3.50
O	16	Frame	3/4"	A307	2.00

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

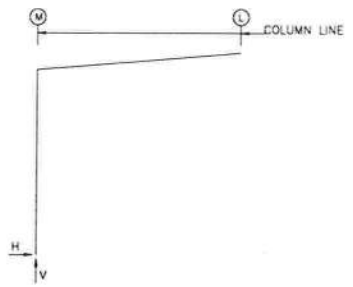
BS23-091A

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: AB3OF: A
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

ME LINES: 3 2



GID 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)
3*	M	6	1.4	−2.5	3	−1.8	−1.7	4	0.750	6.000	10.63	0.500	0.0
		1	0.1	4.1	4	1.3	−3.3						

3* Frame lines: 3 2

NCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
3	Frame	3/4"	A307	2.00

ILDING BRACING REACTIONS

Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft) Wind	Seis	Note
W	3							(h)
W	L							(e)
W	2							(h)
W	M	3,2	1.5	2.3	0.1	0.1		(b)

Wind bent in bay, base above finish floor
Bracing loads must be applied to supporting building rigid frame at endwall

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

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)	= 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 (Reducible)
Frame Live Load(psf)	= 18.7
Wind Speed (mph)	= 130.0
Servicability Wind Speed (mph)	= 75.0
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 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

NOTE:
CONCRETE DETAILS TO BE DETERMINED BY GENERAL CONTRACTOR.

BS23-091B

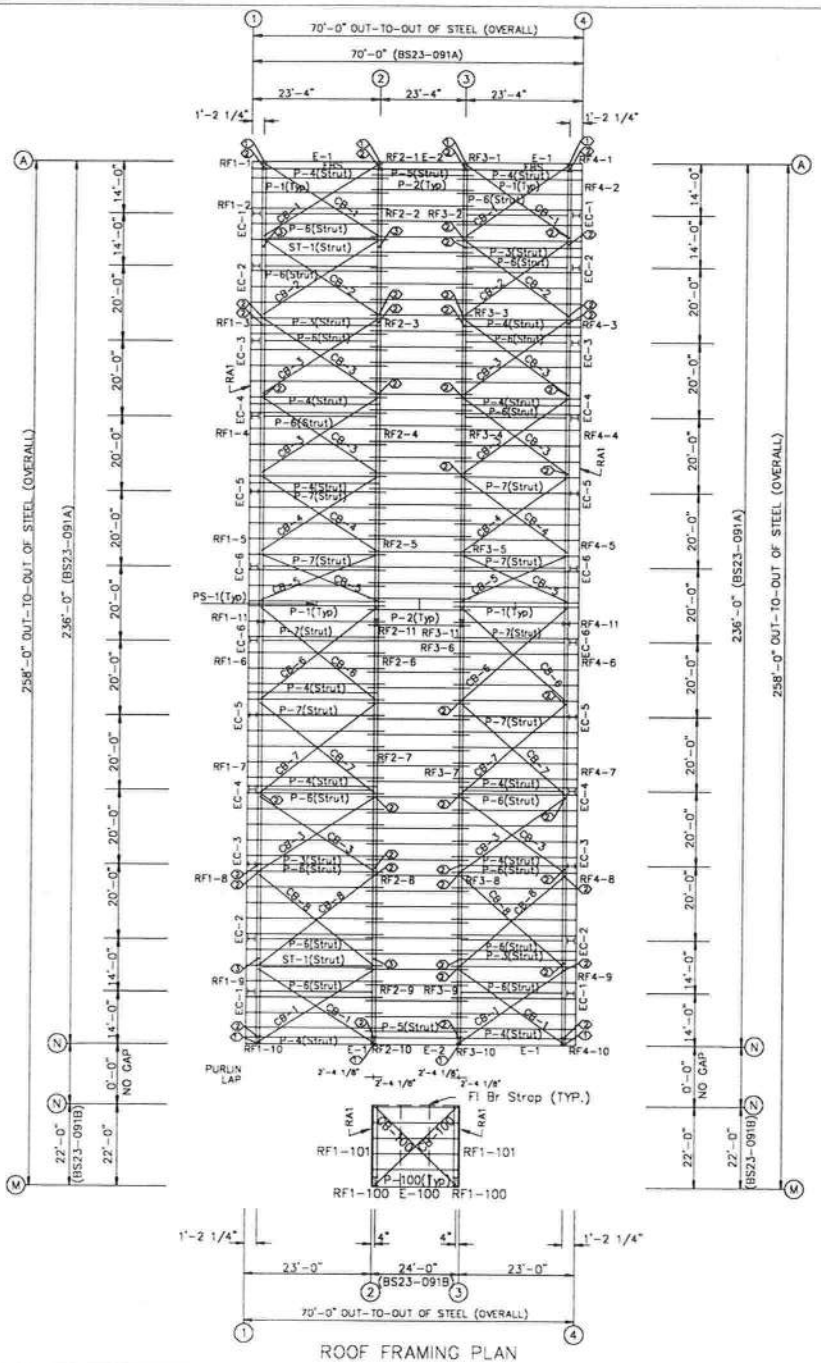
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. [illegible]
LICENSE
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: AB4 OF: A
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



ROOF FRAMING PLAN

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

O ID	QUAN	TYPE	DIA	LENGTH	W
1	4	A325	1/2"	1 1/4"	
2	4	A307	1/2"	1 1/4"	
3	2	A325	3/4"	1 3/4"	

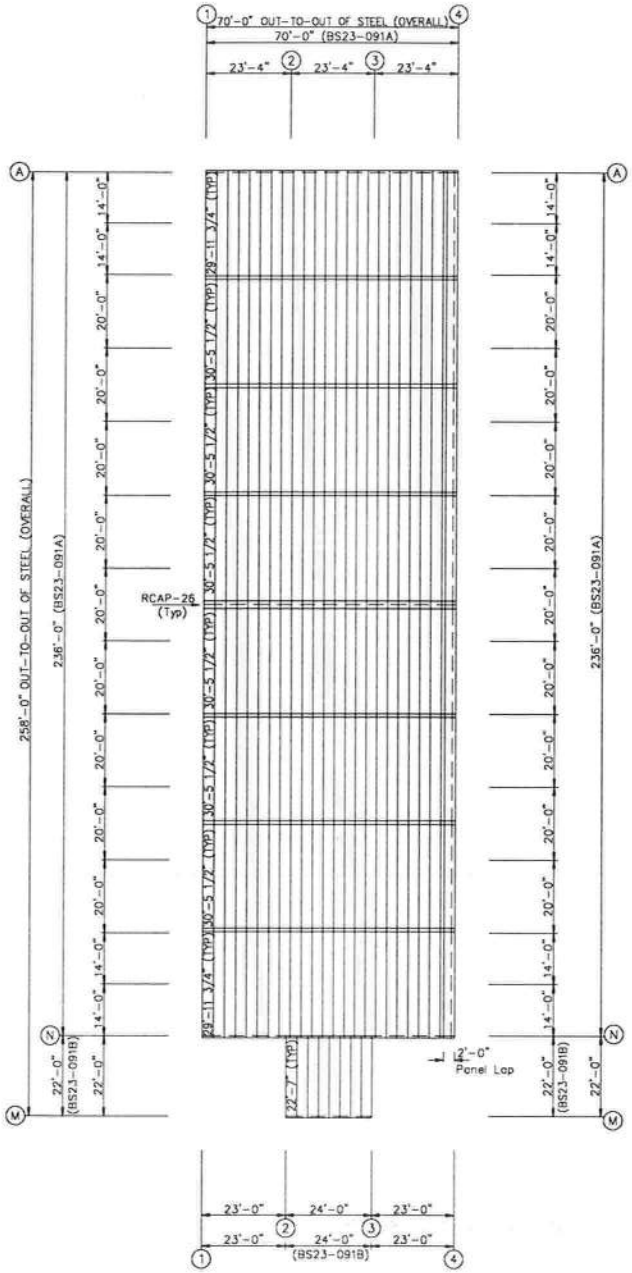
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. [illegible]
LICENSE
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E1 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



ROOF SHEETING PLAN

PANELS: 26 Ga. PBR – Galvalume

NOTE:
REFER TO CROSS SECTION & ERECTION MANUAL FOR PANEL LAYOUT AND DETAILS

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

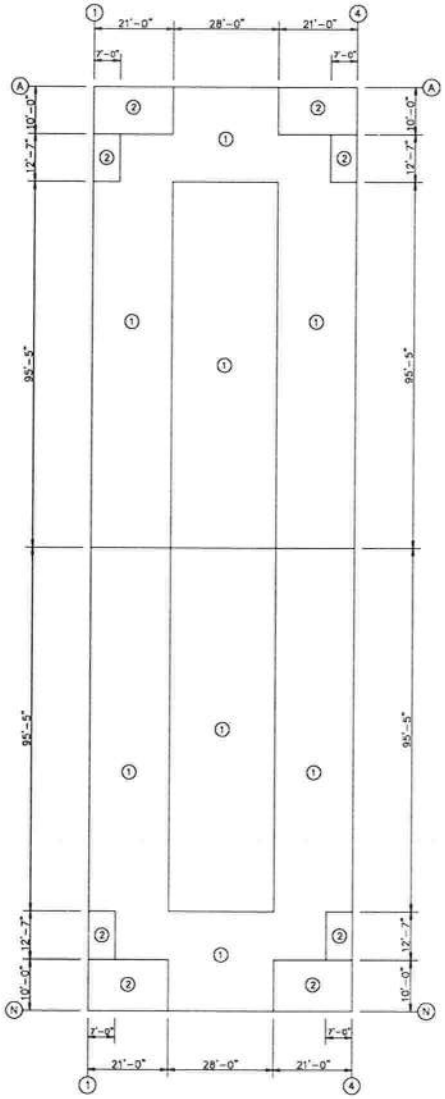
TIMOTHY J. MAHURIN
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E2 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

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



PANEL ZONE LAYOUT
(Minimum Fastener Spacing)

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

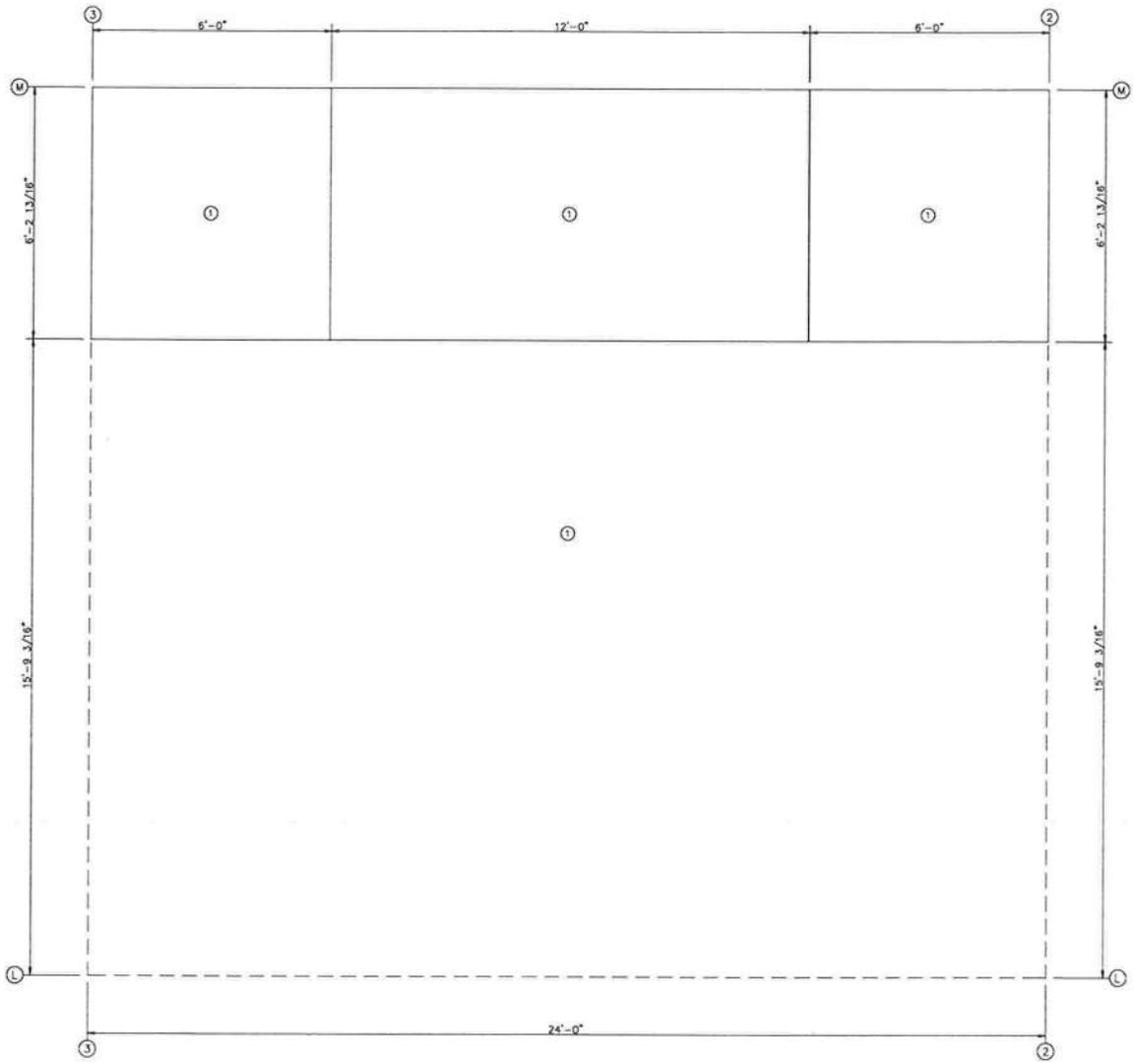
TIMOTHY J. NORRIS
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E3 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

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



PANEL ZONE LAYOUT
(Minimum Fastener Spacing)

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOORE
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWINGS FOR ☒ APPROVAL–NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT–NOT FOR CONSTRUCTION

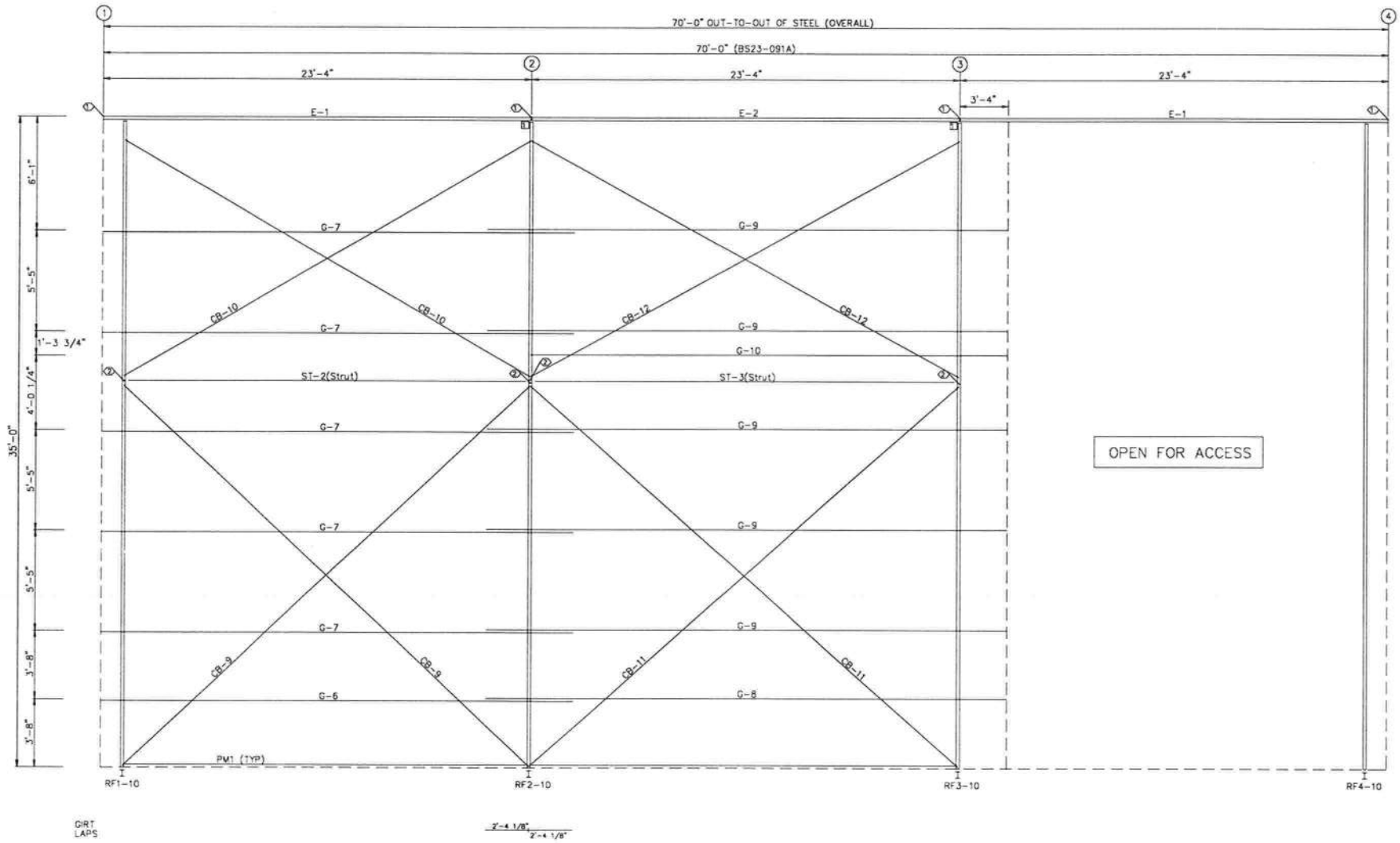
REED'S METALS, LLC
1-800-581-4645
www.reedsmetals.com
Metal Roofing • Metal Buildings • Pole Barns

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E4 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

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

MEMBER TABLE FRAME LINE N		
MARK	PART	LENGTH
E-1	BD121.0	23'-3 1/2"
E-2	BD121.0	23'-3 1/2"
ST-2	P50X15	22'-1 5/8"
ST-3	P50X15	23'-3 13/16"
G-6	BZ23x16	25'-7 7/8"
G-7	BZ23x14	25'-7 7/8"
G-8	BZ23x16	25'-10 1/4"
G-9	BZ23x14	25'-10 1/4"
G-10	BZ23x14	23'-8 1/4"
CB-9	L4x4x1/4	29'-6"
CB-10	L4x4x1/4	25'-3"
CB-11	L4x4x1/4	30'-5"
CB-12	L4x4x1/4	26'-4"

CONNECTION PLA FRAME LINE N	
ID	MARK/PART
1	k1



SIDEWALL FRAMING: FRAME LINE N

BS23-091A

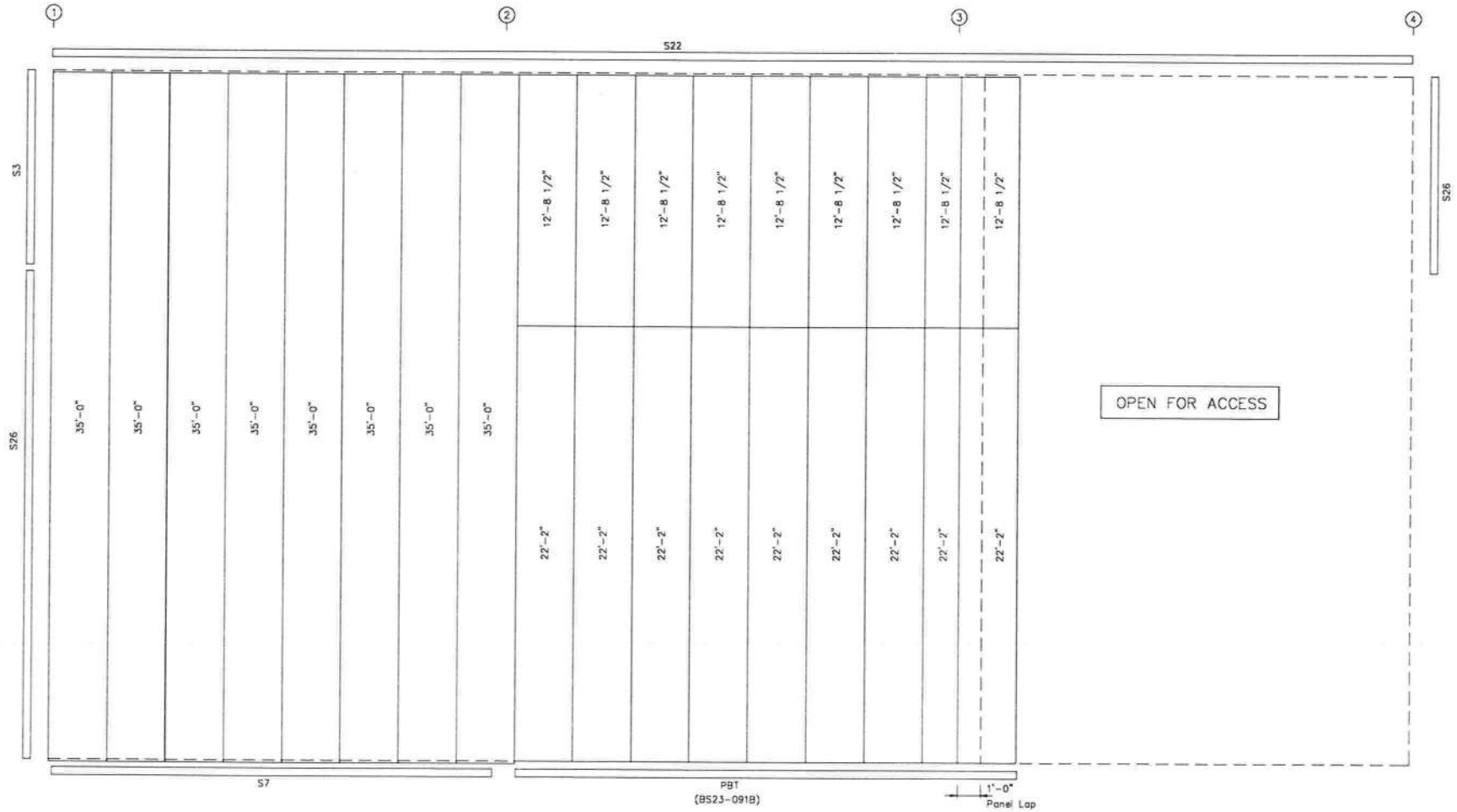
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOORE No. 59944 STATE OF FLORIDA PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E5 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



SIDEWALL SHEETING & TRIM: FRAME LINE N

PANELS: 26 Ga. PBR – Stock Color– SilPoly
(BS23-091B) PANELS: 26 Ga. PBR – Stock Color– SilPoly

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOLLOY LICENSE No. 59944 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWINGS FOR ☒ APPROVAL–NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT–NOT FOR CONSTRUCTION

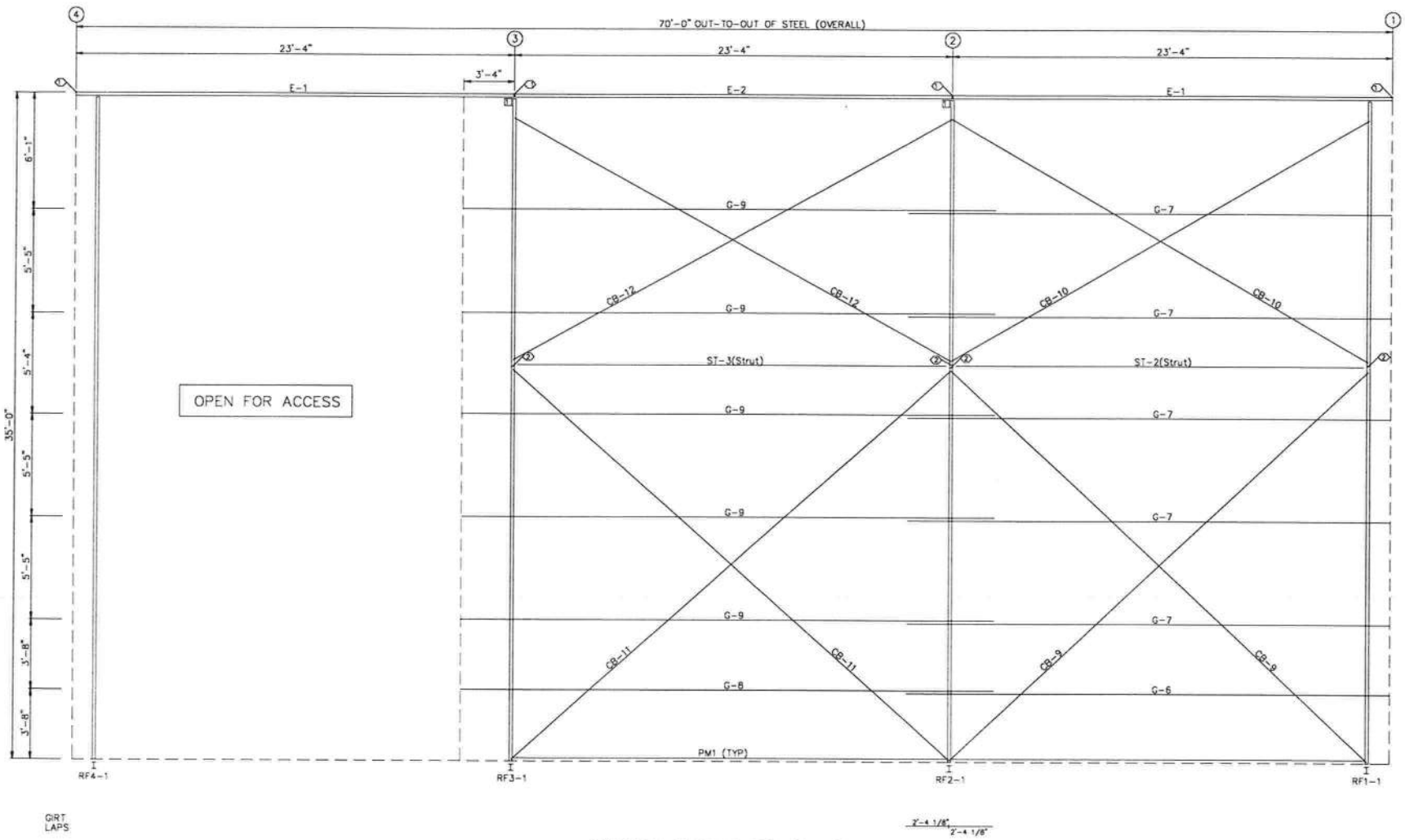
REED'S METALS, LLC
1-800-581-4645
www.reedsmetals.com
Metal Roofing • Metal Buildings • Pole Barns

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E6 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

SPECIAL BOLTS					
O ID	QUAN	TYPE	DIA	LENGTH	W
1	4	A325	1/2"	1 1/4"	
2	2	A325	3/4"	1 3/4"	

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
E-1	80121.0	23'-3 1/2"
E-2	80121.0	23'-3 1/2"
ST-2	P50X15	22'-1 5/8"
ST-3	P50X15	23'-3 13/16
G-6	8Z23x16	25'-7 7/8"
G-7	8Z23x14	25'-7 7/8"
G-8	8Z23x16	25'-10 1/4"
G-9	8Z23x14	25'-10 1/4"
CB-9	L4x4x1/4	29'-6"
CB-10	L4x4x1/4	25'-3"
CB-11	L4x4x1/4	30'-5"
CB-12	L4x4x1/4	26'-4"

CONNECTION PLA FRAME LINE A	
ID	MARK/PART
1	k1



GIRT LAPS

2'-4 1/8" 2'-4 1/8"

SIDEWALL FRAMING: FRAME LINE A

BS23-091A

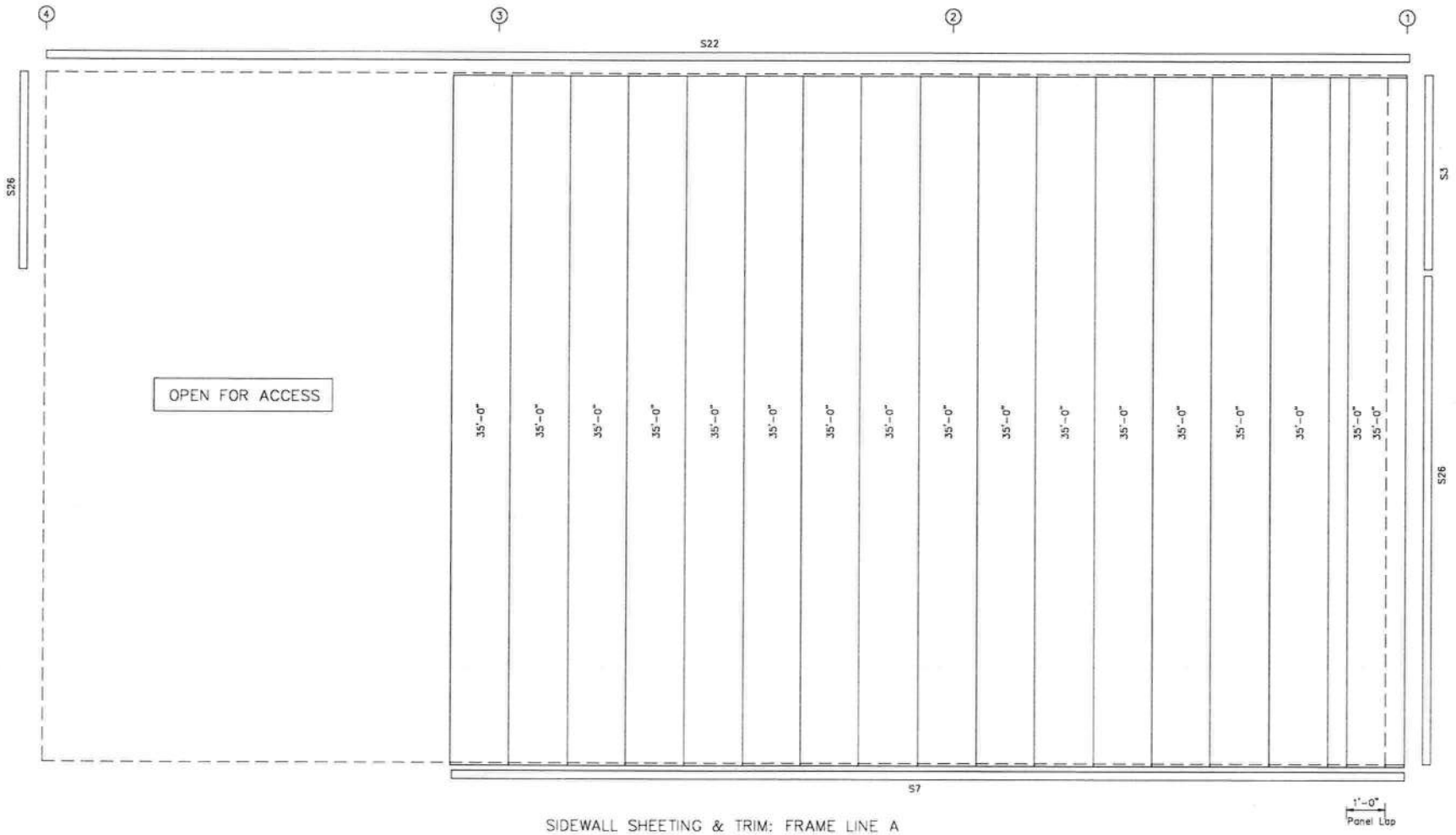
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. [illegible] No. 59944 STATE OF FLORIDA PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E7 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR - Stock Color- SilPoly

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJE

TIMOTHY J. PINDER
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

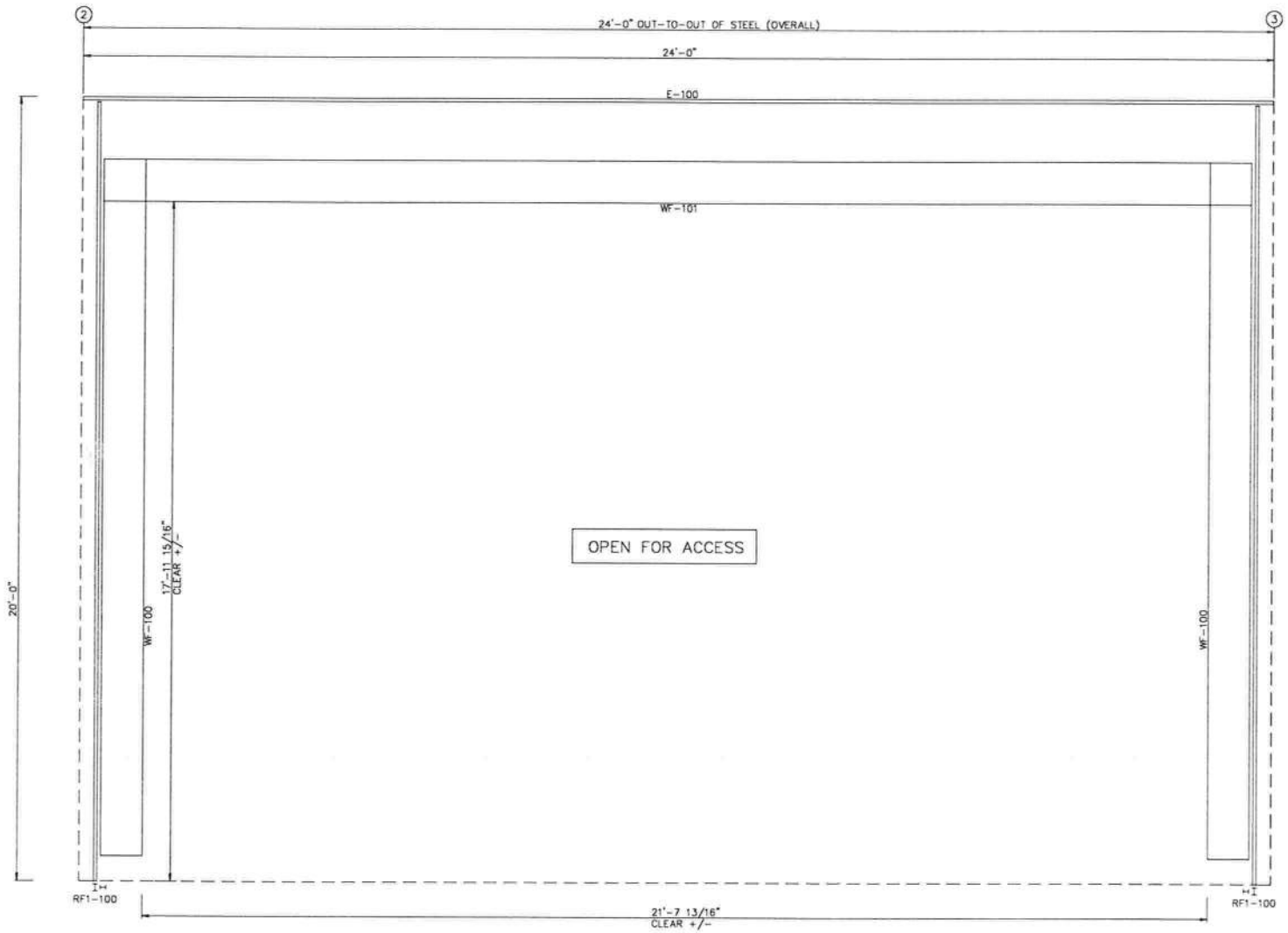
DRAWINGS FOR ☒ APPROVAL-NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT-NOT FOR CONSTRUCTION

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

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E8 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

BOLT TABLE FRAME LINE M				
LOCATION	QUAN	TYPE	DIA	LEN
WF-100 – WF-101	8	A325	3/4"	2 1
WF-100 – RF1-100	16	A325	5/8"	2"

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



SIDEWALL FRAMING: FRAME LINE M

BS23-091B

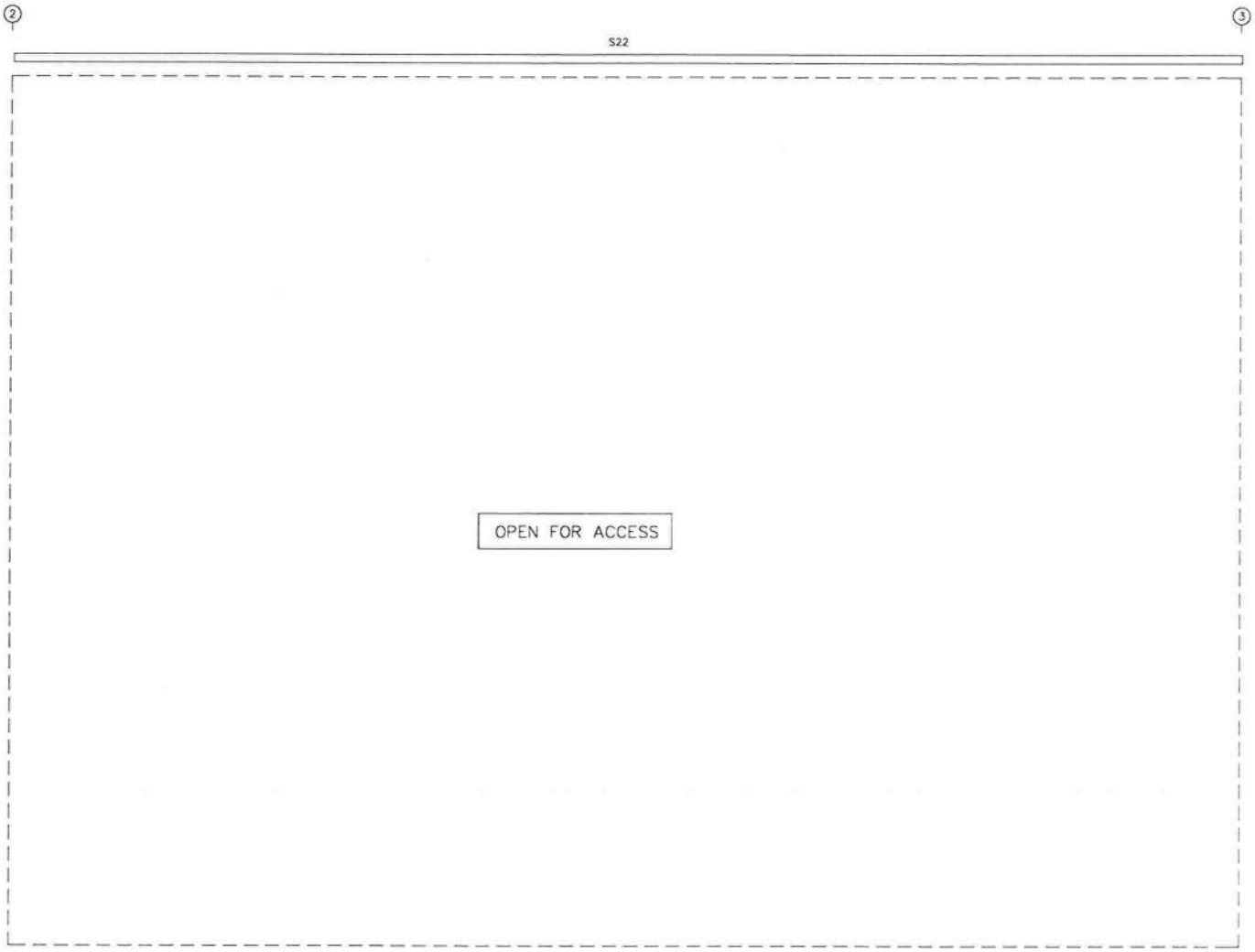
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOORE No. 59944 STATE OF FLORIDA PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E9 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



SIDEWALL TRIM: FRAME LINE 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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOORE
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWINGS FOR ☒ APPROVAL–NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT–NOT FOR CONSTRUCTION

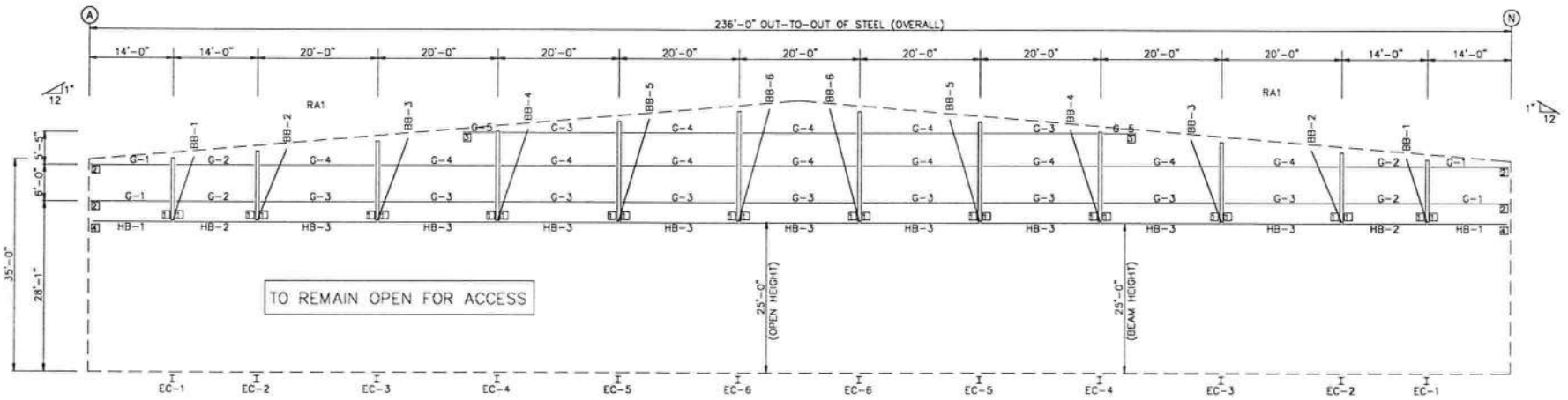
REED'S METALS, LLC
1–800–581–4645
www.reedsmetals.com
Metal Roofing • Metal Buildings • Pole Barns

JOB ID: BS23–091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E10 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LEN
Columns/Raf	2	A325	1/2"	1 1/

MEMBER TABLE FRAME LINE 1		
MARK	PART	LENGTH
HB-1	8C34X16	13'-8 3/4"
HB-2	8C34X16	13'-6"
HB-3	8C34X14	19'-6"
BB-1	W8X18	18'-8 15/16"
BB-2	W8X18	19'-5 1/16"
BB-3	W8X18	20'-5 5/8"
BB-4	W10X22	21'-7 1/16"
BB-5	W8X24	22'-9 3/8"
BB-6	W8X24	24'-0 5/16"
EC-1	W8X10	10'-5"
EC-2	W8X10	11'-7"
EC-3	W8X10	13'-3"
EC-4	W8X10	14'-11"
EC-5	W8X10	16'-7"
EC-6	W8X10	18'-2 15/16"
G-1	8Z23x16	13'-8 3/4"
G-2	8Z23x16	13'-6"
G-3	8Z23x14	19'-6"
G-4	8Z23x12	19'-6"
G-5	8Z23x16	5'-8 11/16"

CONNECTION PLA FRAME LINE 1	
ID	MARK/PART
1	d4
2	d2
3	d1
4	d3



ENDWALL FRAMING: 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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

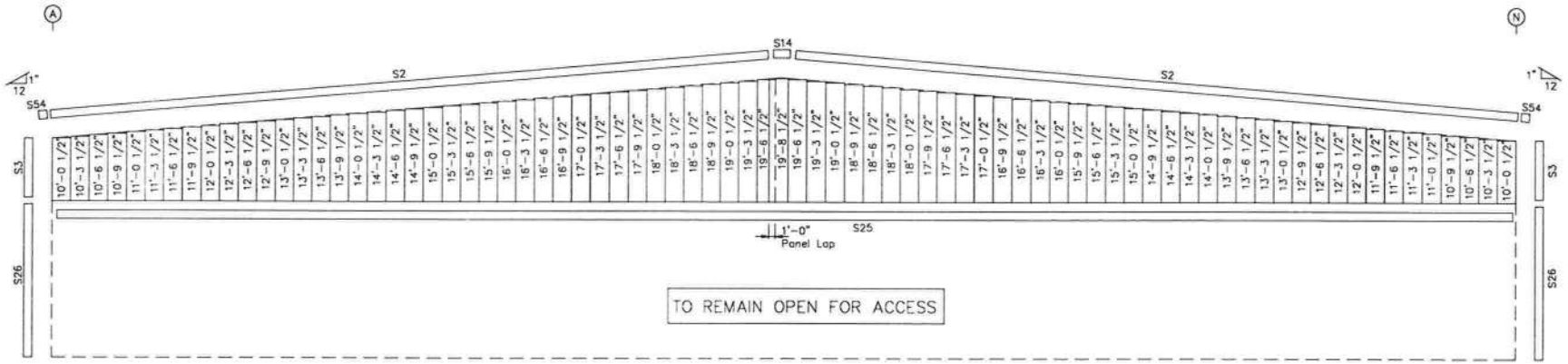
TIMOTHY J. HIGGINS
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

BS23-091A

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E11 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBR – Stock Color– SilPoly

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOORE
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWINGS FOR ☒ APPROVAL–NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT–NOT FOR CONSTRUCTION

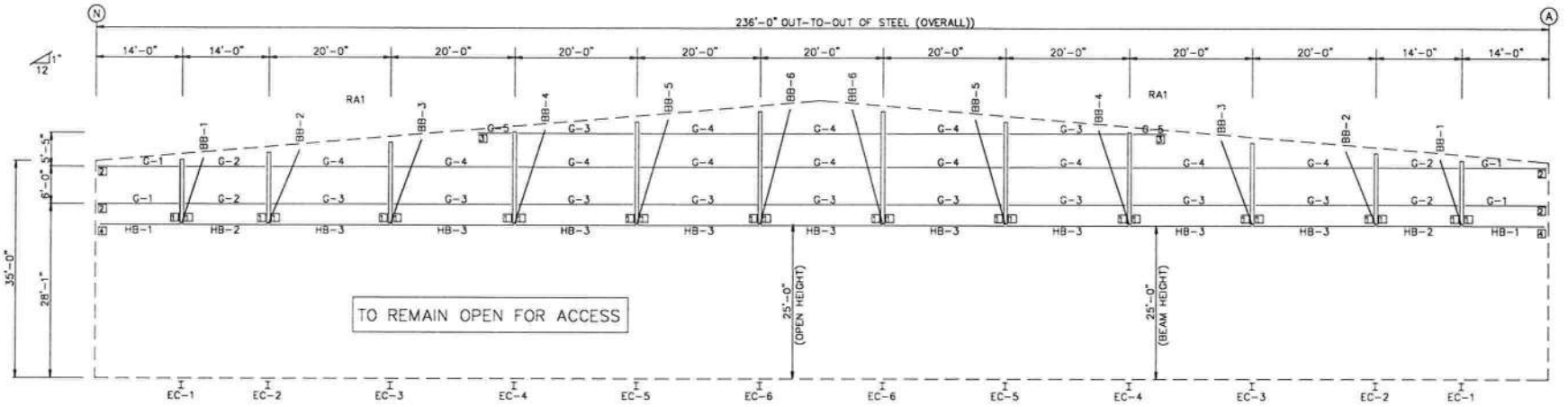
REED'S METALS, LLC
1-800-581-4645
www.reedsmetals.com
Metal Roofing • Metal Buildings • Pole Barns

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E12 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

BOLT TABLE FRAME LINE 4				
LOCATION	QUAN	TYPE	DIA	LEN
Columns/Raf	2	A325	1/2"	1 1/

MEMBER TABLE FRAME LINE 4		
MARK	PART	LENGTH
HB-1	8C34X16	13'-8 3/4"
HB-2	8C34X16	13'-6"
HB-3	8C34X14	19'-6"
BB-1	W8X18	18'-8 15/16"
BB-2	W8X18	19'-5 1/16"
BB-3	W8X18	20'-5 5/8"
BB-4	W10X22	21'-7 1/16"
BB-5	W8X24	22'-9 3/8"
BB-6	W8X24	24'-0 5/16"
EC-1	W8X10	10'-5"
EC-2	W8X10	11'-7"
EC-3	W8X10	13'-3"
EC-4	W8X10	14'-11"
EC-5	W8X10	16'-7"
EC-6	W8X10	18'-2 15/16"
G-1	8Z23x16	13'-8 3/4"
G-2	8Z23x16	13'-6"
G-3	8Z23x14	19'-6"
G-4	8Z23x12	19'-6"
G-5	8Z23x16	5'-8 11/16"

CONNECTION PLA FRAME LINE 4	
ID	MARK/PART
1	d4
2	d2
3	d1
4	d3



ENDWALL FRAMING: FRAME LINE 4

BS23-091A

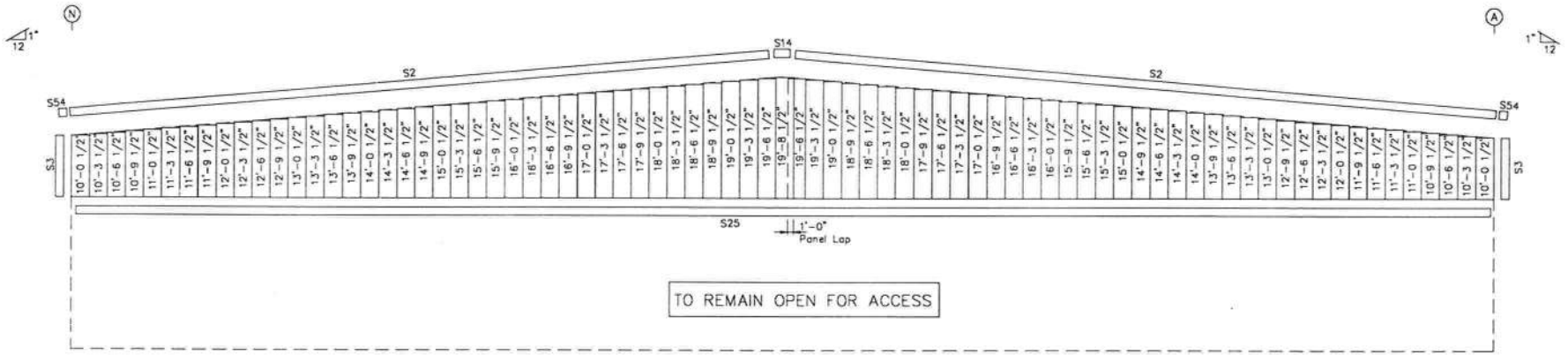
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOSE
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E13 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. PBR – Stock Color– SilPoly

BS23-091A

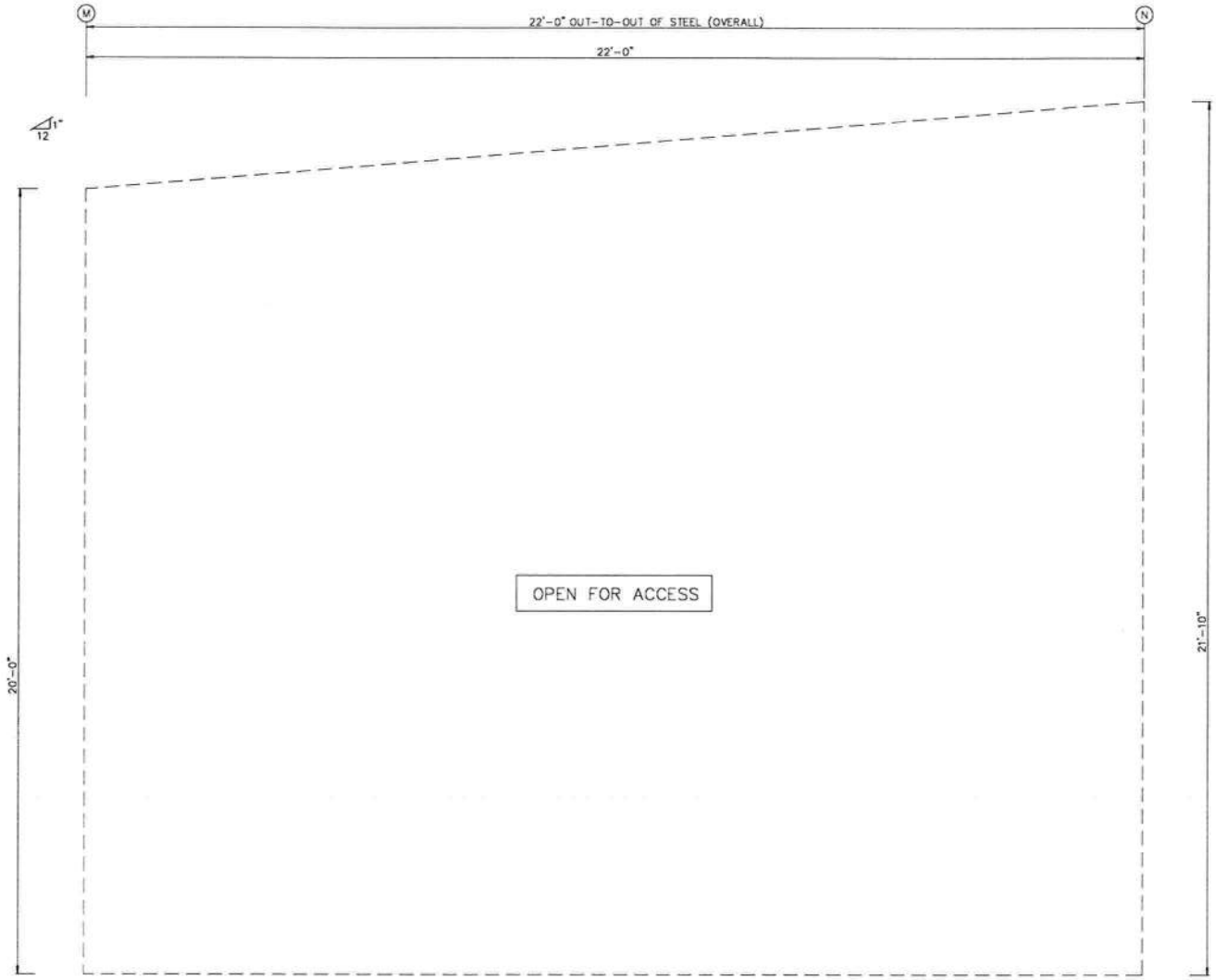
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PRO

TIMOTHY J. MOLL
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E14 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



ENDWALL FRAMING: FRAME LINE 3

BS23-091B

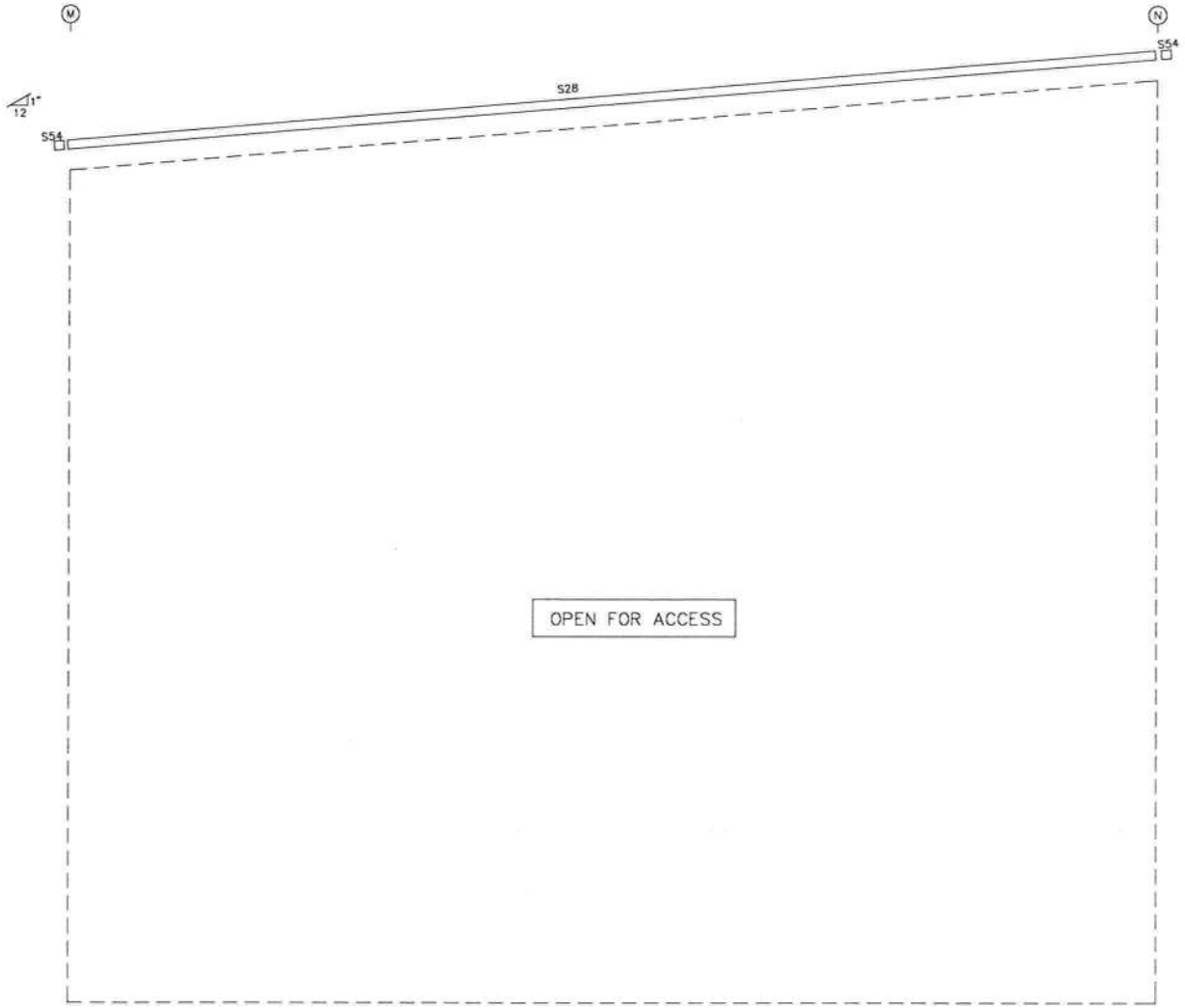
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. KOLB
No. 59844
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E15 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



ENDWALL TRIM: FRAME LINE 3

BS23-091B

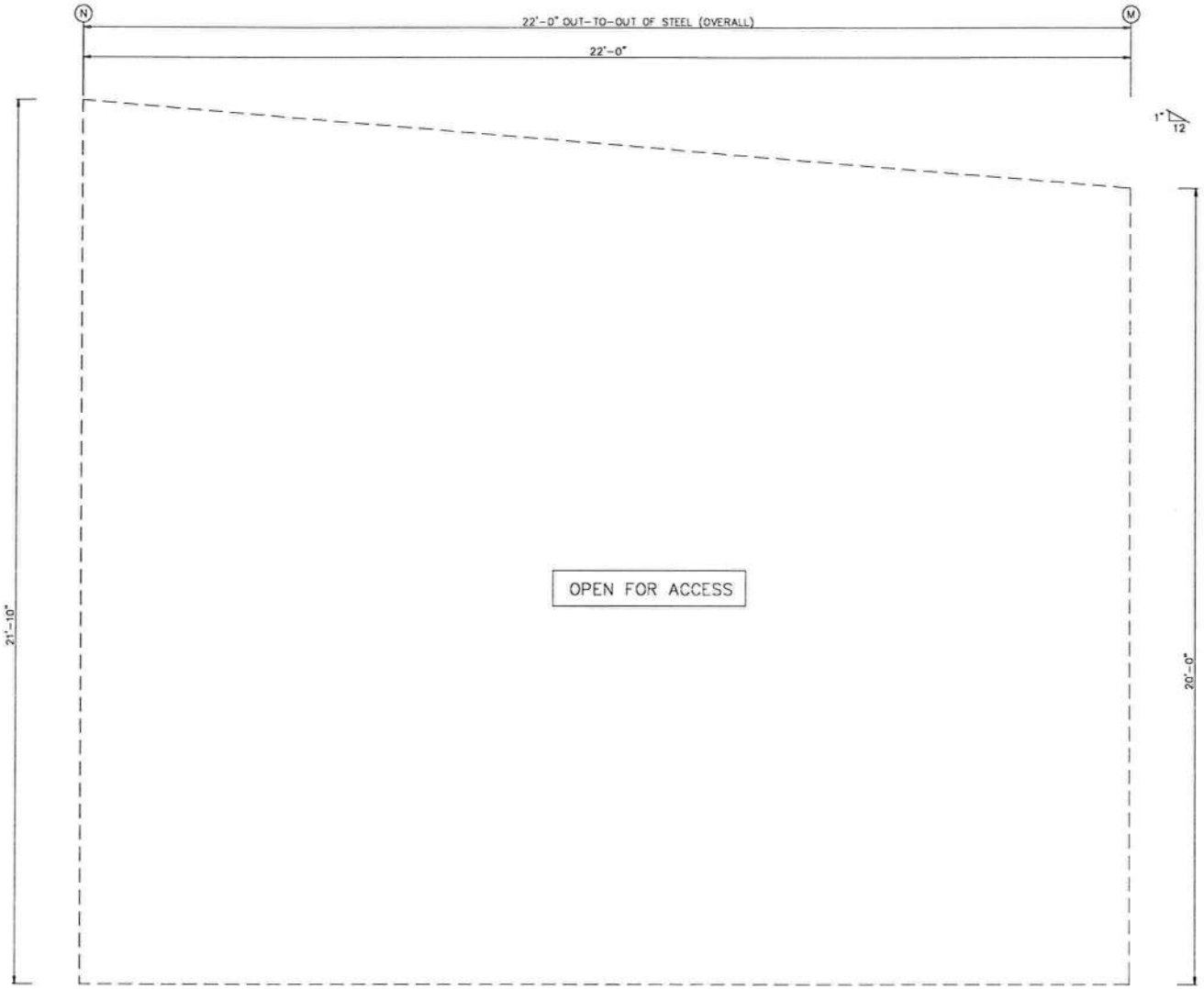
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOLL
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E16 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



ENDWALL FRAMING: FRAME LINE 2

BS23-091B

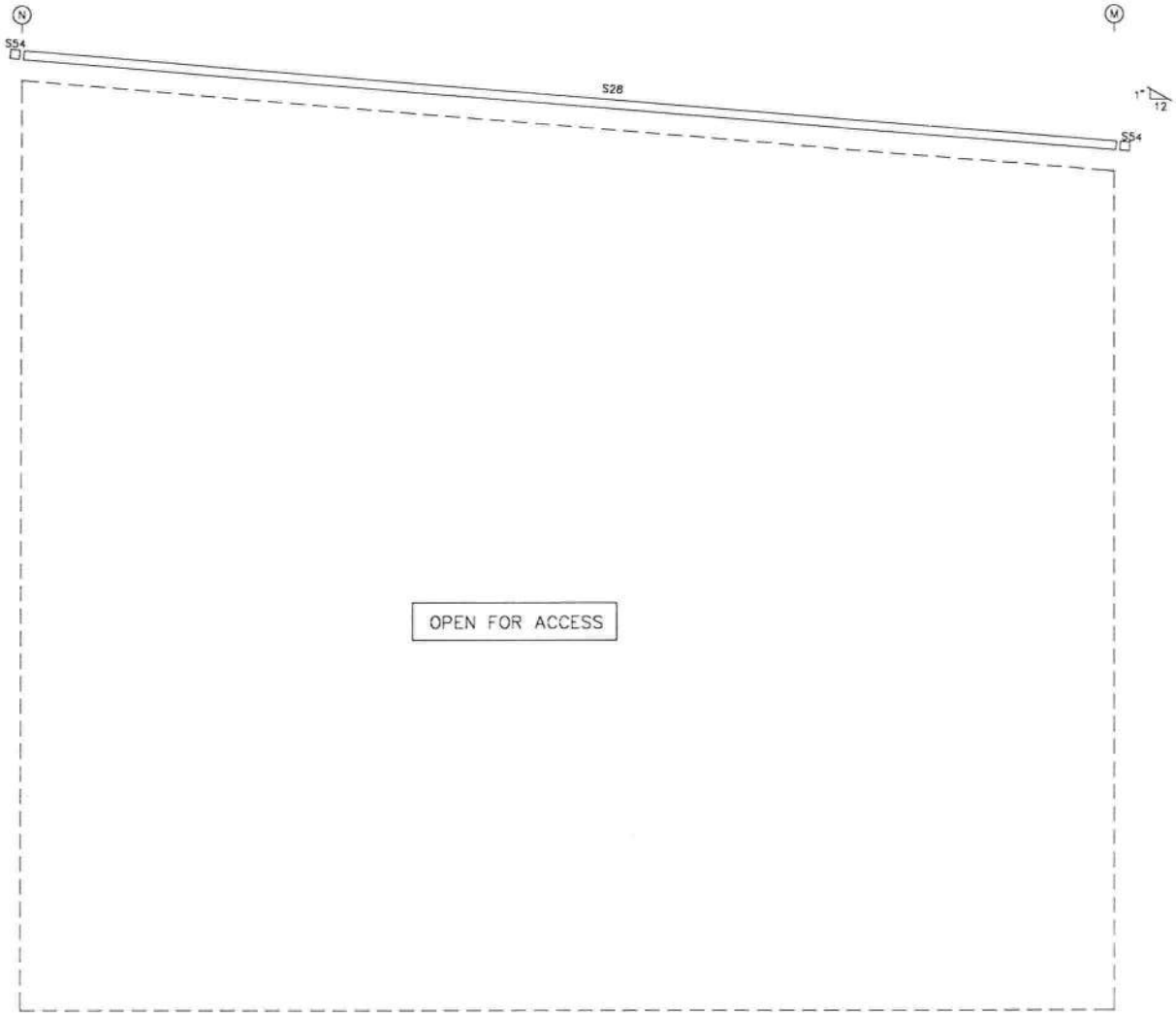
THE ENGINEER WHOSE SEAL APPEARS HEREON IS AN EMPLOYEE FOR THE MANUFACTURER. SAID SEAL OR CERTIFICATION IS LIMITED TO THE PRODUCTS DESIGNED AND MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOLL
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E17 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC



ENDWALL TRIM: FRAME LINE 2

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOLLAN
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWINGS FOR ☒ APPROVAL-NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT-NOT FOR CONSTRUCTION

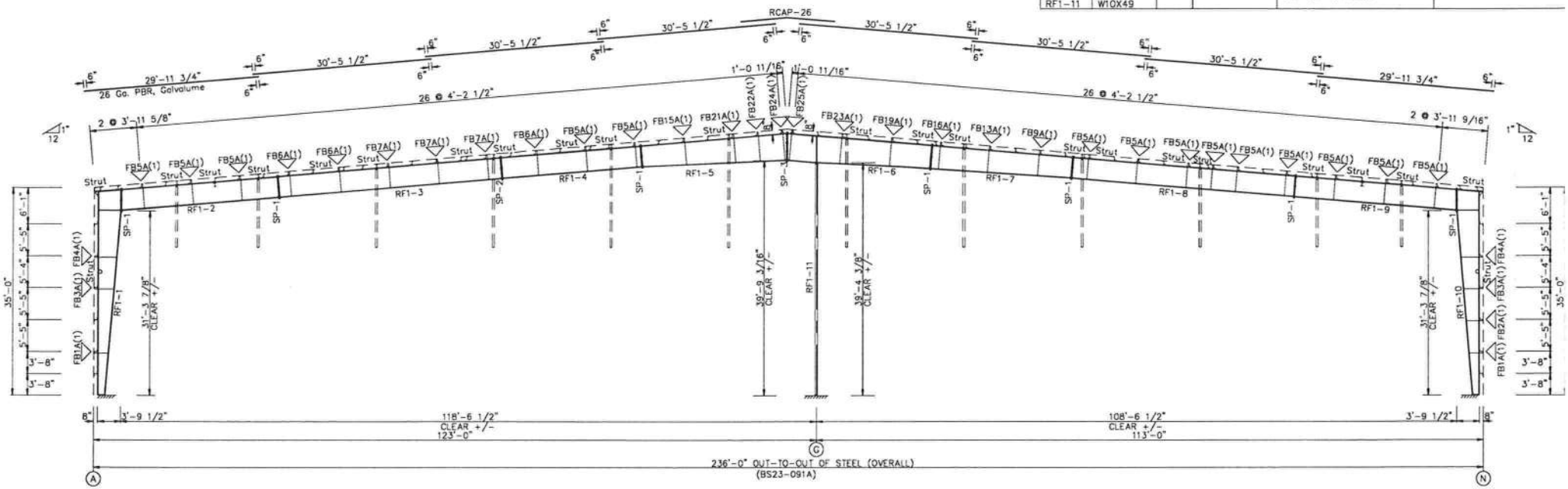
REED'S METALS, LLC
1-800-581-4645
www.reedsmetals.com
Metal Roofing • Metal Buildings • Pole Barns

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: E18 OF: E
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
-1	4	4	2	A325	0.750	2.50	RF1-11	4	A325	0.625	2.00
-2	4	4	2	A325	0.875	3.00					
-3	4	4	4	A325	1.000	3.00					

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

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	12.0/45.0	0.250	415.5	6 x 1/4" x 411.8 6 x 1/4" x 53.3	6 x 1/4" x 373.5
RF1-2	40.0/40.0	0.250	324.9	6 x 1/4" x 321.6	6 x 1/4" x 324.9
RF1-3	40.0/40.0	0.250	454.6	6 x 3/8" x 137.4 6 x 1/2" x 317.3	6 x 5/16" x 454.6
RF1-4	40.0/40.0	0.250	285.5	6 x 3/8" x 171.5 6 x 1/4" x 114.0	6 x 1/4" x 285.5
RF1-5	40.0/52.0	0.313	300.0	6 x 5/16" x 300.0	6 x 5/16" x 295.9
RF1-6	52.0/52.0	0.313	48.8	8 x 5/16" x 234.8	8 x 1/2" x 50.4
	52.0/46.2	0.313	180.0	6 x 1/4" x 59.4	8 x 1/2" x 180.1
	46.2/45.0	0.250	65.4		6 x 5/16" x 59.4
RF1-7	45.0/40.0	0.250	286.9	6 x 1/4" x 286.9	6 x 5/16" x 286.9
RF1-8	40.0/40.0	0.250	454.9	6 x 1/4" x 454.9	6 x 1/4" x 454.9
RF1-9	40.0/40.0	0.250	329.4	6 x 1/4" x 326.1	6 x 1/4" x 329.4
RF1-10	45.0/12.0	0.250	415.5	6 x 1/4" x 53.3 6 x 1/4" x 411.8	6 x 1/4" x 373.5
RF1-11	W10X49				



RIGID FRAME ELEVATION: FRAME LINE 1

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. HOLLAN
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWINGS FOR ☒ APPROVAL-NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT-NOT FOR CONSTRUCTION

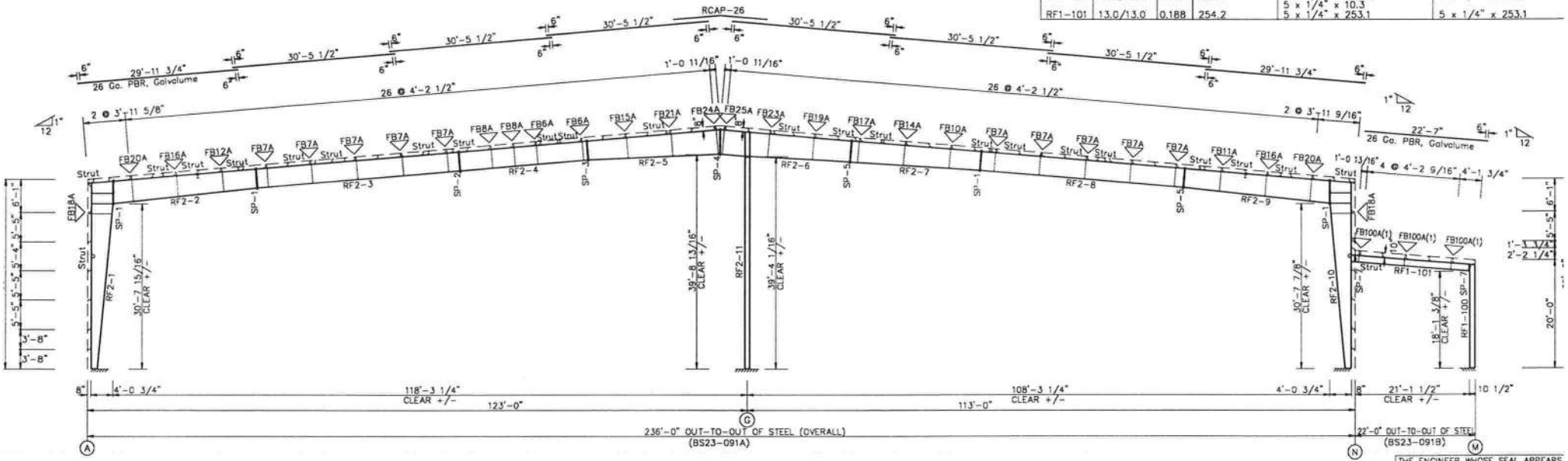
REEDS METALS, LLC
1-800-581-4645
www.reedsmetals.com
Metal Roofing • Metal Buildings • Pole Barns

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: F1 OF: F
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

LICE BOLT TABLE							CAP PLATE BOLTS				
rk	Qty Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
-1	4	4	2	A325	0.875	3.00	RF2-11	4	A325	0.625	2.00
-2	4	4	2	A325	1.250	3.50					
-3	4	4	2	A325	0.750	2.50					
-4	4	4	4	A325	1.000	3.50					
-5	4	4	2	A325	0.875	2.50					
-7	4	0	0	A325	0.750	2.50					

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

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-1	12.0/48.0	0.250	415.7	12 x 3/8" x 411.6 6 x 3/8" x 56.4	12 x 3/8" x 365.9
RF2-2	48.0/40.0	0.250	322.1	6 x 3/8" x 156.1 6 x 1/2" x 162.0	6 x 5/16" x 322.2
RF2-3	40.0/40.0	0.250	454.5	8 x 1/2" x 454.5	8 x 3/8" x 137.3 8 x 1/2" x 317.3
RF2-4	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 111.7
RF2-5	40.0/52.0	0.313	300.0	6 x 5/16" x 300.0	6 x 1/2" x 295.9
RF2-6	52.0/52.0 52.0/46.2 46.2/45.0	0.313 0.313 0.250	48.5 180.0 65.4	8 x 5/16" x 234.5 8 x 3/8" x 59.4	8 x 5/8" x 50.1 8 x 5/8" x 180.1 8 x 3/8" x 59.4
RF2-7	45.0/40.0	0.250	286.6	8 x 3/8" x 286.6	8 x 3/8" x 124.6 8 x 1/4" x 162.0
RF2-8	40.0/40.0	0.250	454.6	6 x 1/2" x 454.6	6 x 3/8" x 454.6
RF2-9	40.0/48.0	0.250	326.7	6 x 5/16" x 322.7	6 x 3/8" x 326.8
RF2-10	48.0/12.0	0.250	415.7	6 x 5/16" x 56.4 12 x 3/8" x 411.6	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 10.3	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



RIGID FRAME ELEVATION: FRAME LINE 2

BS23-091A

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNEI ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PRO

TIMOTHY J. MOL... No. 59944 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWINGS FOR ☒ APPROVAL-NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT-NOT FOR CONSTRUCTION

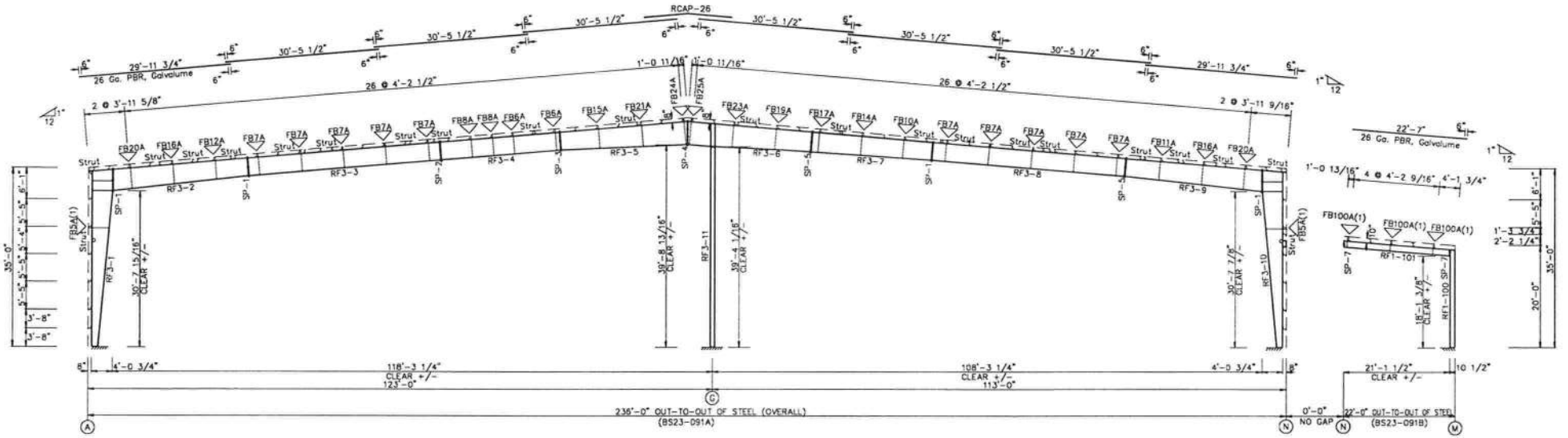
REED'S METALS, LLC
1-800-581-4645
www.reedsmetals.com
Metal Roofing • Metal Buildings • Pole Barns

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: F2 OF: F
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

LICE BOLT TABLE							CAP PLATE BOLTS				
rk	Qty Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
-1	4	4	2	A325	0.875	3.00	RF3-11	4	A325	0.625	2.00
-2	4	4	2	A325	1.250	3.50					
-3	4	4	2	A325	0.750	2.50					
-4	4	4	4	A325	1.000	3.50					
-5	4	4	2	A325	0.875	2.50					
-7	4	0	0	A325	0.750	2.50					

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

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF3-1	12.0/48.0	0.250	415.7	12 x 3/8" x 411.6 6 x 3/8" x 56.4	12 x 3/8" x 365.9
RF3-2	48.0/40.0	0.250	322.1	6 x 3/8" x 156.1 6 x 1/2" x 162.0	6 x 5/16" x 322.2
RF3-3	40.0/40.0	0.250	454.5	8 x 1/2" x 454.5	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 111.7
RF3-5	40.0/52.0	0.313	300.0	6 x 5/16" x 300.0	6 x 1/2" x 295.9
RF3-6	52.0/52.0	0.313	48.5	8 x 5/16" x 234.5	8 x 5/8" x 50.1
	52.0/46.2	0.313	180.0	8 x 3/8" x 59.4	8 x 5/8" x 180.1
	46.2/45.0	0.250	65.4		8 x 3/8" x 59.4
RF3-7	45.0/40.0	0.250	286.6	8 x 3/8" x 286.6	8 x 3/8" x 124.6 8 x 1/4" x 162.0
RF3-8	40.0/40.0	0.250	454.6	6 x 1/2" x 454.6	6 x 3/8" x 454.6
RF3-9	40.0/48.0	0.250	326.7	6 x 5/16" x 322.7	6 x 3/8" x 326.8
RF3-10	48.0/12.0	0.250	415.7	6 x 5/16" x 56.4 12 x 3/8" x 411.6	12 x 3/8" x 365.8
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 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



RIGID FRAME ELEVATION: FRAME LINE 3

BS23-091A

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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNE ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PRO

TIMOTHY J. MOR
No. 59944
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWINGS FOR ☒ APPROVAL-NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT-NOT FOR CONSTRUCTION

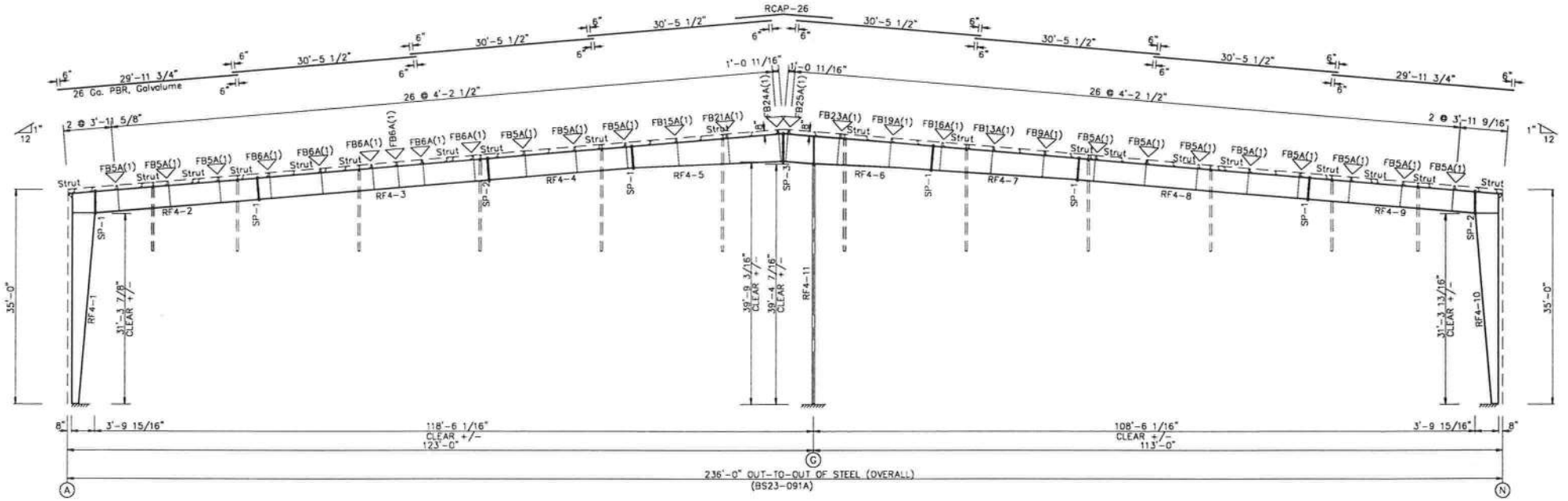
REED'S METALS, LLC
1-800-581-4645
www.reedsmetals.com
Metal Roofing • Metal Buildings • Pole Barns

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: F3 OF: F
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

LICE BOLT TABLE							CAP PLATE BOLTS				
rk	Qty Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
-1	4	4	2	A325	0.750	2.50	RF4-11	4	A325	0.625	2.00
-2	4	4	2	A325	0.875	3.00					
-3	4	4	4	A325	0.875	3.00					

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

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF4-1	12.0/45.0	0.250	415.5	10 x 5/16" x 411.8 6 x 1/4" x 53.4	10 x 5/8" x 373.5
RF4-2	40.0/40.0	0.250	324.9	6 x 1/4" x 321.5	6 x 1/4" x 324.9
RF4-3	40.0/40.0	0.250	454.6	6 x 3/8" x 454.6	6 x 1/4" x 454.6
RF4-4	40.0/40.0	0.250	285.5	6 x 5/16" x 285.5	6 x 1/4" x 285.5
RF4-5	40.0/52.0	0.313	300.0	6 x 5/16" x 300.0	6 x 5/16" x 295.9
RF4-6	52.0/52.0	0.313	48.8	8 x 5/16" x 234.8	8 x 3/8" x 50.4
	52.0/46.2	0.313	180.0	8 x 1/4" x 59.4	8 x 3/8" x 180.1
	46.2/45.0	0.250	65.4		8 x 5/16" x 59.4
RF4-7	45.0/40.0	0.250	286.9	8 x 1/4" x 286.9	8 x 5/16" x 286.9
RF4-8	40.0/40.0	0.250	455.0	6 x 1/4" x 455.0	6 x 1/4" x 455.0
RF4-9	40.0/40.0	0.250	329.2	6 x 1/4" x 325.9	6 x 5/16" x 329.2
RF4-10	45.0/12.0	0.250	415.5	6 x 1/4" x 53.4 10 x 5/16" x 411.8	10 x 5/8" x 373.5
RF4-11	W10X49				



RIGID FRAME ELEVATION: 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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNE ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PRO

TIMOTHY J. MOORE No. 59944 STATE OF FLORIDA PROFESSIONAL ENGINEER

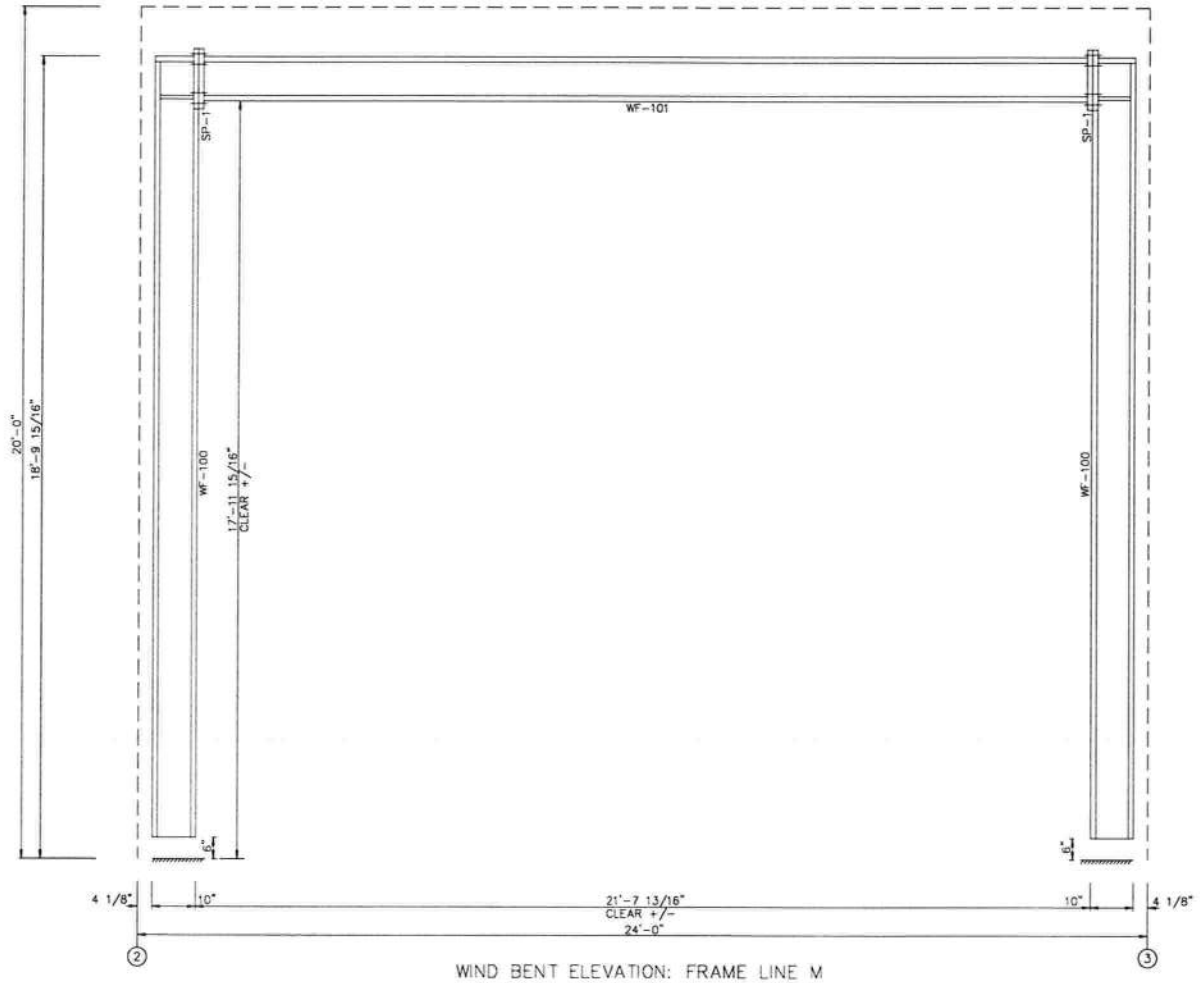
DRAWINGS FOR ☒ APPROVAL-NOT FOR CONSTRUCTION ☐ CONSTRUCTION
☐ PERMIT-NOT FOR CONSTRUCTION

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

JOB ID: BS23-091		DATE: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: F4 OF: F
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC

LICE PLATES & BOLTS								
lice rk	Quan Top/Bot		Bolt Type	Bolt Dia	Bolt Length	Plate Size Width	Thick	Length
– 1	4	4	A325	0.750	2.50	6"	1/2"	1'–4 1/4"

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF–101	W1006041	21'–7 5/1
WF–100	W1005041	18'–3 15/



WIND BENT ELEVATION: FRAME LINE 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 MANUFACTU BY REEDS METALS, LLC ONLY AND DESCRIBED HEREON. THE UNDERSIGNE ENGINEER IS NOT THE OVERALL ENGINEER OF RECORD FOR THIS PROJ

TIMOTHY J. MOORE LICENSED No. 59944 STATE OF FLORIDA PROFESSIONAL ENGINEER

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: 9/19/23
CUSTOMER	PROJECT	DESIGN:
Quality Construction of America	Robbins Manufacturing	DRAFT: PND
CUSTOMER ADDRESS	PROJECT ADDRESS	SHEET: F5 OF: F
3631 US HWY EAST Lake City, FL 32055	702 NE OKINAWA ST. Lake City, FL 32055	CHECK: PNC