IAS ACCREDITED Metal Building Systems AC 472

VULCAN STEEL STRUCTURES, INC.

MIAMI-DADE COUNTY APPROVED

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

LETTER OF CERTIFICATION

VULCAN STEEL STRUCTURES, INC
Job Number 26514
Customer Name: MAYO FERTILIZER
Job Location: LAKE CITY FL 32055

DATE: 2/26/20
DESIGNED BY: ZJM
DETAILED BY: BJH
CHECKED BY: DWD

DESIGN PARAMETERS

BUILDING DESCRIPTION:

NOMINAL WIDTH:	80	feet
NOMINAL LENGTH:	140	feet
EAVE HEIGHT, BACK S.W:	18	feet
EAVE HEIGHT, FRONT S.W:	18	feet
ROOF SLOPE, LEFT:	2.0:12	
ROOF SLOPE, RIGHT:	2.0:12	

COMMENTS

DESIGN LOADS

BUILDING CODE:	FLORIDA BUILDING CODE 6TH EDITION (2017) – BUILDING		
FRAME SELF WEIGHT:	INCLUDED	SNOW :	
ROOF DEAD LOAD:	2.000 psf	FLAT ROOF SNOW LOAD Pf :	0 psf
COLLATERAL LOAD:	1 psf	GROUND SNOW LOAD Pg :	0.00 psf
ROOF LIVE LOAD:	20.00 psf	SNOW LOAD IMP. FACTOR	1.00
FRAME LIVE LOAD:	12 psf	THERMAL FACTOR Ct :	1.00
SNOW LOAD, ROOF:	0 psf	SNOW EXP. FACTOR Ce :	1.00
WIND SPEED: (3 SEC GUST)	118 mph (Vult)		
	91.40 mph (Vasd)		
INTERNAL PRESSURE COEFF. :	0.18/–0.18		
WIND EXPOSURE:	B		
CLOSURE "C, O, P" :	Closed		
RISK CATEGORY :	II – Normal		

SEISMIC PARAMETERS

SEISMIC–FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

SITE CLASS (ASSUMED) :	D
SEISMIC IMPORTANCE:	1.00
SEISMIC DESIGN CATEGORY:	B
DESIGNED SPECTRAL ACCELERATION PARAMETER "SDS" – (SHORT PERIODS):	0.11
DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" – (1 SEC PERIODS):	0.09
MAPPED SPECTRAL RESPONSE ACCELERATION: "SS" – (SHORT PERIODS):	0.10
MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" – (1 SEC PERIOD):	0.06
SEISMIC RESPONSE MODIFICATION COEFFICIENT: "R" –	3.00
SEISMIC RESPONSE COEFFICIENT: "Cs" –	0.037
TOTAL LONGITUDINAL BASE SHEAR :	2.49
TOTAL TRANSVERSE BASE SHEAR :	2.76

SHEETING AND TRIM COLORS		
ROOF PANEL:		
GAUGE	PANEL TYPE	COLOR
26 GA.	PBR PANEL	Galvalume
WALL PANEL:		
GAUGE	PANEL TYPE	COLOR
26 GA.	PBR PANEL	Ash Gray
BUILDING TRIM COLORS SHOWN BELOW:		
EAVE TRIM COLOR: Hawaiian Blue	CORNER TRIM COLOR: Hawaiian Blue	
GABLE TRIM COLOR: Hawaiian Blue	BASE TRIM COLOR: Gallery Blue	
JAMB TRIM COLOR: Hawaiian Blue		

SCANNED

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

FLORIDA PRODUCT APPROVAL NUMBERS

WALKDOORS		
3070	IMPACT RATED/WIND RATED +/– 50 PSF	FL22211.5
3068	NON–IMPACT RATED/WIND RATED +/– 50 PSF	FL22211.1
3070	IMPACT RATED/WIND RATED +/– 70 PSF	FL22211.7
6070	IMPACT RATED/WIND RATED +/– 50 PSF	FL22211.3
4070	IMPACT RATED/ WIND RATED	FL17900.1
4070	NON–IMPACT RATED/ WIND RATED	FL17900.2
8070	IMPACT RATED/ WIND RATED	FL18463.2
8070	NON–IMPACT RATED/ WIND RATED	FL18463.1
RIDGE VENTS		
12" THROAT	RIDGE VENT WITH 12" THROAT	FL12805.2
6–3/4" THROAT	RIDGE VENT WITH 6–3/4" THROAT	FL12805.5
9" THROAT	RIDGE VENT WITH 9" THROAT	FL12805.1
LOUVERS		
FIXED STEEL	LOUVER WITH FIXED BLADES	FL12256.1
ADJUSTABLE STEEL	LOUVER WITH ADJUSTABLE BLADES	FL12256.2
ROLL UP DOORS		
1100 SERIES	MAX SIZE: 8'–8" X 14'–0"	FL12765.1
1100 SERIES	MAX SIZE: 10'–0" X 14'–0"	FL12765.2
3100 SERIES	MAX SIZE: 16'–0" X 20'–0"	FL12765.3
3100 SERIES	MAX SIZE: 20'–0" X 20'–0"	FL12765.4
750 SERIES	MAX SIZE: 3'–0" X 12'–0"	FL12675.5
750 SERIES	MAX SIZE: 6'–0" X 12'–0"	FL12765.6
750 SERIES	MAX SIZE: 8'–8" X 12'–0"	FL12765.7
750 SERIES	MAX SIZE: 10'–0" X 12'–0"	FL12765.8
850 SERIES MINI	MAX SIZE: 8'–8" X 12'–0"	FL12765.9

ROOF PANELS	
BATTENLOK	FL11819.1
DOUBLE–LOK	FL11819.2
LOKSEAM	FL11819.3
SUPERLOK	FL11819.4
ULTRA–DEK	FL11819.5
7.2 PANEL	FL1519.1
PBR PANEL	FL5346.1
PBU PANEL	FL11868.2

WALL PANELS	
AVP PANEL	FL11917.3
FW–120 PANEL	FL11917.4
PBR PANEL	FL5335.1
REVERSE PBR	FL5335.1
SHADOWRIB PANEL	FL11917.6

SOFFIT PANELS	
ARTISAN L–12	FL11919.1
SKYLIGHTS	
PBR SKYLIGHT (FRP)	FL13793
WALL LITES	
PBR (FRP)	FL13787.1

MIAMI DADE PRODUCT APPROVAL NUMBERS

ROLL UP DOORS		
850 SERIES MINI	MAX SIZE: 8'–8" X 12'–0"	NOA–18–0118.02
3400 SERIES	MAX SIZE: 12'–0" X 20'–0"	NOA–18–0123.13

ROOF PANELS		
PBR	22 GAGE & 24 GAGE	NOA–17–0920.04
SUPERLOK	22 GAGE	NOA–18–0220.11
SUPERLOK	24 GAGE	NOA–18–0312.09
DOUBLE–LOK		NOA–18–0312.07
WALL PANELS		
PBR	24 GAGE	NOA–18–0312.08
ECO–FICIENT		NOA–15–1109.06
SKYLIGHTS		
PBR		NOA–18–0328.02

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

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
DADEL, GA 31620

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAR 0 4 2020

ORIGINAL SIGNATURE REQUIRED

GENERAL NOTES

1. MATERIALS

	ASTM DESIGNATION	
STRUCTURAL STEEL PLATE	A529 OR A572	GRADE 50 or GRADE 55
COLD FORMED LIGHT GAGE SHAPES	A1011	GRADE 55
BRACE CABLES	A475 EHS	
HOT ROLLED MILL SHAPES	ASTM A992	GRADE 50
ROOF AND WALL SHEETS	A653 OR A792	GRADE 50 or GRADE 80
BOLTS	A307, A325T, AND A490	A307 UNLESS NOTED

2. STRUCTURAL PRIMER

SHOP PRIMER PAINT IS A MINIMAL NON-UNIFORM THICKNESS COATING OF A RUST INHIBITIVE RED-OXIDE COLOR PRIMER SATISFYING THE REQUIREMENTS OF TT-P-664. THIS PRIMER IS NOT TO BE CONSIDERED A FINISH COAT AND IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. THIS PRIMER IS NOT WARRANTED OR REPRESENTED AS BEING COMPATIBLE WITH ANY TYPE OF FINISH PAINT SYSTEM. THE PRIMER COAT APPLIED AT THE FACTORY IS SUBJECT TO BLEMISHES, SCUFFS, SCRATCHES AND THE LIKE DURING SHIPPING AND DURING HANDLING AS PART OF THE ERECTION PROCESS. IT IS THE RESPONSIBILITY OF THE ERECTOR TO TOUCH UP ANY SUCH UNDESIRABLE CONDITIONS DURING OR AFTER THE ERECTION PROCESS. OBJECTIONS TO PRIMER APPEARANCE SHALL NOT BE SUBJECT TO REJECTION OR BE CONSIDERED A CAUSE FOR REJECTION.

3. A325 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE A325T UNLESS SPECIFICALLY NOTED OTHERWISE.

STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD IN ACCORDANCE WITH THE 14th EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325T OR A490 BOLTS". PER SECTION 8.1, (SPEC. 16.2) A325T BOLTSMAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE NUT METHOD.

ALL HIGH STRENGTH BOLTS, EXCEPT AS NOTED OTHERWISE, ARE SUBJECT TO DIRECT TENSION AND MAY REQUIRE INSPECTION AS DEFINED BY THE APPLICABLE BUILDING CODE OR STANDARD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS.

4. BUILDER/CONTRACTOR RESPONSIBILITIES

THE METAL BUILDING MANUFACTURER'S STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS, THE METAL BUILDING MANUFACTURER'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK.

IN CASE OF DISCREPANCIES BETWEEN METAL BUILDINGS MANUFACTURER STRUCTURAL PLANS AND PLANS FOR OTHER TRADES. THE METAL BUILDING MANUFACTURER'S PLANS SHALL GOVERN.

IT IS THE RESPONSIBILITY OF THE BUILDER / CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.

APPROVAL OF METAL BUILDING MANUFACTURER'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF THE METAL BUILDING MANUFACTURER'S INTERPRETATION OF THE CONTRACT PURCHASE ORDER.

ONCE THE BUILDER / CONTRACTOR OR A/E FIRM HAS SIGNED MANUFACTURER'S APPROVAL PACKAGE, CHANGES FROM THE PURCHASE ORDER BY THE BUILDER WILL BE BILLED TO THE BUILDER / CONTRACTOR FOR MATERIAL, ENGINEERING AND HANDLING FEES. SUCH CHANGES MAY CAUSE THE PROJECT TO BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE. A PENALTY FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE, AS LONG AS THE MANUFACTURER'S DESIGN AND DETAILING APPROACH COMPLIES WITH THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR OR A/E FIRM ARE RESPONSIBLE FOR THE OVERALL PROJECT CONDITION. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIALS NOT FURNISHED BY THE MANUFACTURER ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER / CONTRACTOR OR A/E FIRM. UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE PURCHASE ORDER. THE METAL BUILDING MANUFACTURER'S ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY. SUPPLYING SEALED ENGINEERING DESIGN DATA AND DRAWINGS BY THE BUILDING MANUFACTURER DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS TO THE STRUCTURAL SYSTEM FURNISHED BY THE METAL BUILDING MANUFACTURER IN COMPLIANCE WITH ALL REQUIREMENTS OF THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH THE METAL BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH, AND INSTALL.

THE METAL BUILDING MANUFACTURER DOES NOT WARRANT STRUCTURAL INTEGRITY OF ANY COMPONENTS FIELD MODIFIED OR DESIGNED AND FABRICATED BY OTHERS. NEITHER DO WE ACCEPT DESIGN RESPONSIBILTY FOR THE EFFECTS NON STANDARD COMPONENTS DESIGNED BY OTHERS MAY HAVE ON THE SYSTEM IN GENERAL.

AS TAKEN FROM THE FOURTEENTH EDITION OF THE AISC MANUAL PAGE 16.3-56 PARAGRAPH 7.14 – READS AS FOLLOWS "THE CORRECTION OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, GRINDING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE WITH DRIFT PINS, SHALL BECONSIDERED TO BE NORMAL ERECTION OPERATIONS."

RECOGNIZING THE FLORIDA BUILDING CODE REQUIRES EXPOSURE C AS THE DEFAULT WIND EXPOSURE. IT IS RESPONSIBILITY OF THE PROJECT DESIGNER TO DETERMINE, VERIFY AND PROVE EXPOSURE "B" IS APPLICABLE BASED ON THE BUILDING LOCATION AND THAT EXPOSURE B IS ACCEPTABLE TO LOCAL BUILDING/CODE OFFICIALS OR AUTHORITIES HAVING JURISDICTION. IT IS THE ABSOLUTE RESPONSIBILITY OF THE BUYER TO RETAIN SERVICES OF AN INDIVIDUAL OR FIRM PROPERLY QUALIFIED TO PERFORM THE DUTIES REQUIRED OF A PROJECT DESIGNER TO INCLUDE:

* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING THE SITING OF (DETERMINATION OF WIND EXPOSURE) AND SPECIFYING THE GEOMETRY, LOADS AND MATERIALS FOR A BUILDING PROJECT.

* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING GEOMETRY PARAMETERS INCLUDE DEFINITION OF WIDTH, LENGTH, HEIGHT, SLOPE, BAYS, INGRESS AND EGRESS REQUIREMENTS AS APPLICABLE AND NECESSARY FOR THE DESIRED OCCUPANCY USAGE CATEGORY.

* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING LOAD PARAMETERS INCLUDING DEFINITION OF THE BUILDING CODE AND APPLICABLE EDITION (YEAR), DETERMINATION OF IMPORTANCE FACTORS, DEFINITION OF ALL LOADS REQUIRED FOR THE DESIGN OF THE STRUCTURE INCLUDING DEAD LOADS, COLLATERAL LOADS, LIVE LOADS, WIND SPEED AND EXPOSURE CATEGORY, HVAC UNIT LOADS, FLOOR AND OTHER APPLIED LOADS (IF APPLICABLE). NEITHER THE METAL BUILDING MANUFACTURER OR THE METAL BUILDING ENGINEER ARE RESPONSIBLE FOR LOAD OR EXPOSURE CATEGORY DETERMINATION.

* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING MATERIAL PARAMETERS INCLUDE DEFINITION OF ALL EXTERIOR COVERING MATERIALS AS WELL AS ALL INTERIOR SURFACES AND FINISHES.

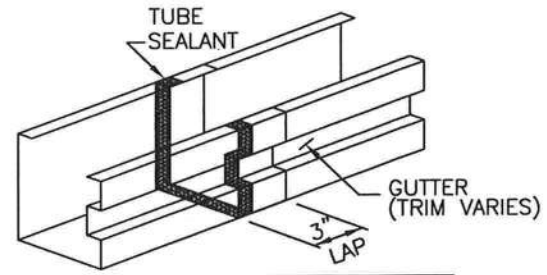
IF NDT (NON-DESTRUCTIVE WELD TESTING) IS REQUIRED, IT IS NOT PROVIDED BY THE SELLER AND IS THE SOLE RESPONSIBILITY OF THE BUYER.

SPECIAL NOTES:

BUILDING IS NOT STRUCTURALLY SOUND UNTIL ALL WALL COVERING, ROOF SHEETS, AND PERMANENT BRACING IS INSTALLED. BUILDER / CONTRACTOR IS RESPONSIBLE FOR SUPPORTS OR TEMPORARY BRACING DURING ERECTION, HE SHALL FURNISH, AND INSTALL THESE TEMPORARY SUPPORTS WHERE NECESSARY. TEMPORARY SUPPORTS ARE NOT PROVIDED BY THE METAL BUILDING MANUFACTURER.

OUTSIDE VENDOR ACCESSORY NOTE:

BUYER SHALL BE RESPONSIBLE TO COORDINATE, ASSURE AND VERIFY THAT THE STRUCTURE AND CLEARANCES AS PROVIDED BY BUILDING MANUFACTURER ARE COMPATIBLE WITH THE DOOR PROVIDED BY OTHERS.



STANDARD TRIM LAP DETAIL

NOTE: ALL TRIM CONTAINED ON THIS PROJECT WILL HAVE OUR STANDARD 3" LAP AS SHOWN ABOVE. (TRIM STYLE VARIES)

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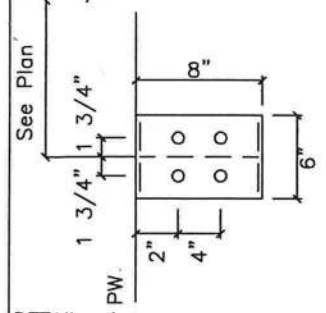
WALTER E. WOOD
LICENSE
No. 61323
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

MAR 0 4 2020

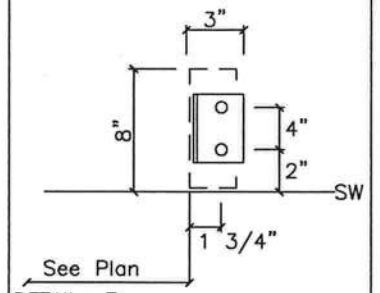
ORIGINAL SIGNATURE REQUIRED

Dia= 5/8"



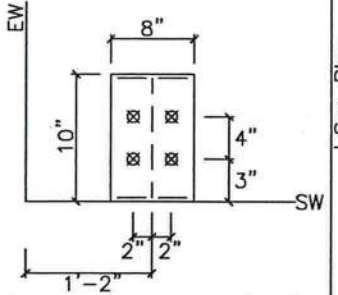
DETAIL A

Dia= 5/8"



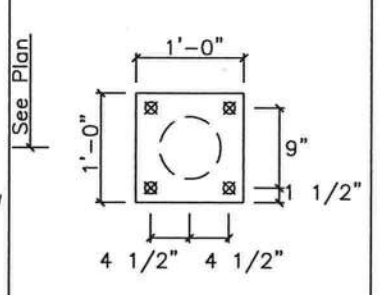
DETAIL E

Dia= 3/4"



DETAIL B Base EL. 99'-10"

Dia= 3/4"



DETAIL F

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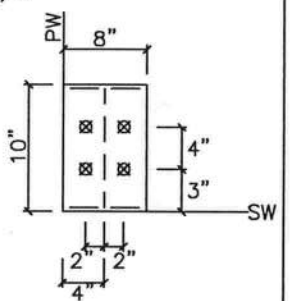
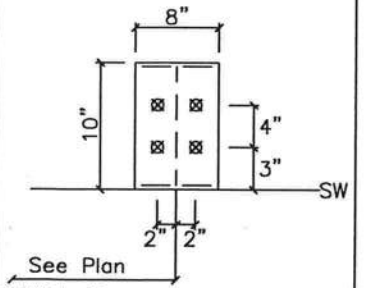


DETAIL C

Dia= 3/4"

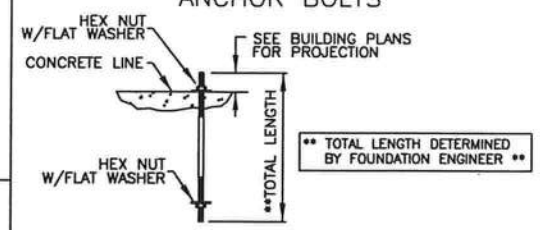


DETAIL D

ANCHOR BOLTS NOTES

MANUFACTURER RECOMMENDS USE OF STRAIGHT ROD ANCHOR BOLTS WITH NUT AND WASHER ON BOTH ENDS AS OPPOSED TO J-BOLTS OR ANCHOR BOLTS WITH HOOKS BECAUSE OF BETTER PERFORMANCE RESULTS IN CONCRETE FOUNDATIONS. THE TYPE OF BOLT USED FOR THE PROJECT SHALL BE DETERMINED BY THE FOUNDATION ENGINEER WITH THE BOLT STRENGTH MEETING OR EXCEEDING THAT OF AN ASTM F1554 GRADE 36 (MIN.) BOLT.

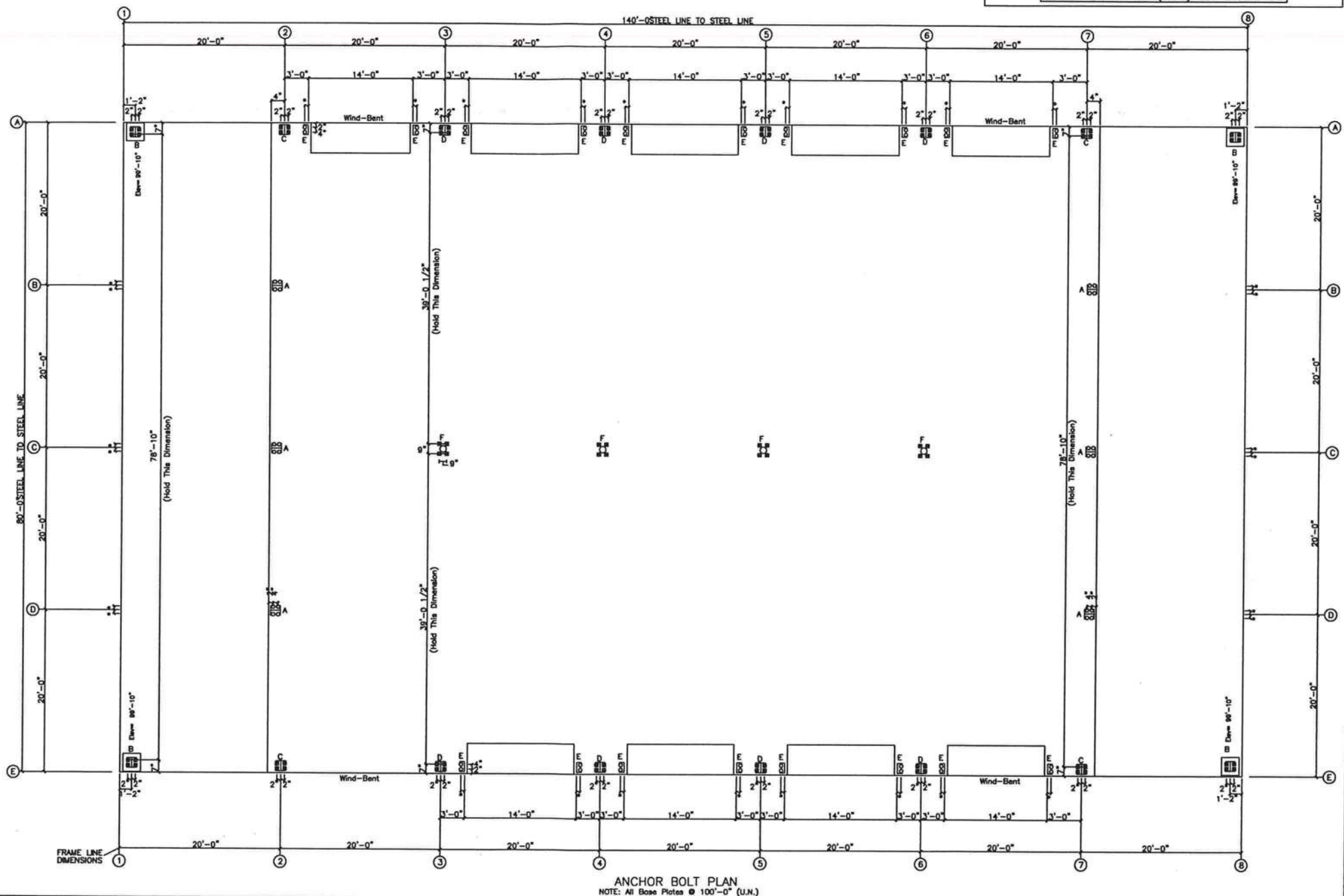
ANCHOR BOLTS



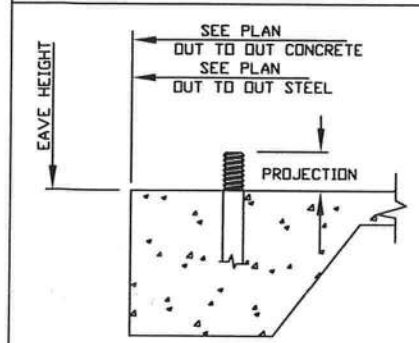
ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36 (MIN.) OR GRADE 55

ANCHOR BOLT SUMMARY

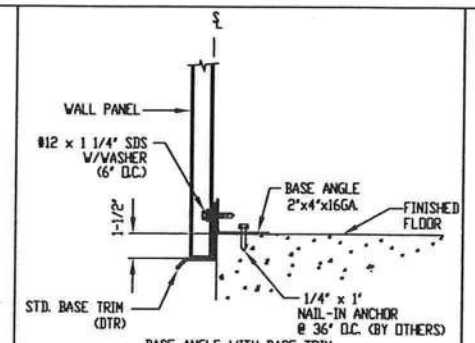
Qty	Locate	Dia (in)	Type	Proj (in)
○ 36	Jamb	5/8"	F1554	3.00
○ 24	Endwall	5/8"	F1554	3.00
⊠ 80	Frame	3/4"	F1554	3.00



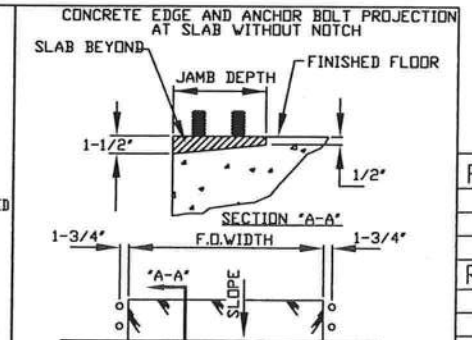
ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)



CONCRETE EDGE AND ANCHOR BOLT PROJECTION



BASE ANGLE WITH BASE TRIM AND BASE CLOSURES WITHOUT SHEETING NOTCH



TYP. OVERHEAD DOOR RECESS DETAIL

* =1 3/4"

FIELD LOCATED OPENINGS :

QTY:	DESCRIPTION:
3	3070 WIND RATED WALKDOOR

REVISIONS

REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS

[ ] FINAL ERECTION
[X] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

WALTER E. WOOD P.E.
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500 VULCAN PARKWAY
ADEL, GA 31620

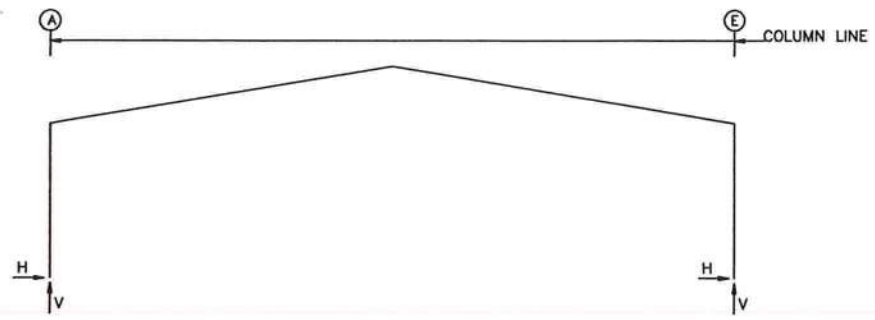
WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAR 0 4 2020

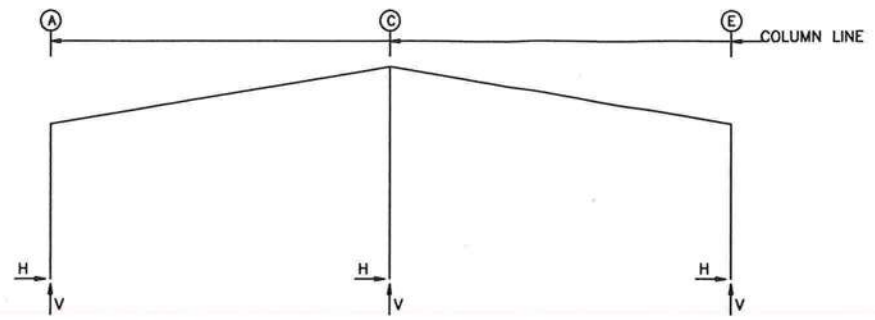
ORIGINAL SIGNATURE REQUIRED

VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER	
PROJECT	MAINTENANCE SHOP	ANCHOR BOLT PLAN & DETAILS	
ID	26514	DESIGN: ZJM	DRAFT: BJH / CHECK: DWD
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20	SHEET 1 OF 14

FRAME LINES: 1 2 7 8



FRAME LINES: 3 4 5 6



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
1*	A	4	0.750	8.000	10.00	0.500	-2.0
1*	E	4	0.750	8.000	10.00	0.500	-2.0

1* Frame lines: 1 8

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
3*	A	4	0.750	8.000	10.00	0.500	0.0
3*	E	4	0.750	8.000	10.00	0.500	0.0
3*	C	4	0.750	12.00	12.00	0.500	0.0

3* Frame lines: 3 4 5 6

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
2*	A	4	0.750	8.000	10.00	0.500	0.0
2*	E	4	0.750	8.000	10.00	0.500	0.0

2* Frame lines: 2 7

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
2	B	4	0.625	6.000	8.000	0.500	0.0
2	C	4	0.625	6.000	8.000	0.500	0.0
2	D	4	0.625	6.000	8.000	0.500	0.0
7	D	4	0.625	6.000	8.000	0.500	0.0
7	C	4	0.625	6.000	8.000	0.500	0.0
7	B	4	0.625	6.000	8.000	0.500	0.0

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft) Wind	Seis	Note
L_EW	1								(h)
F_SW	E	2,3	1.7	2.8	0.3	0.5			(b)
		6,7	1.7	2.8	0.3	0.5			(b)
R_EW	B								(h)
B_SW	A	6,7	1.7	2.8	0.3	0.5			(b)
		2,3	1.7	2.8	0.3	0.5			(b)

(b)Wind bent in bay, base above finish floor
(h)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
1*	A	0.9	2.4	0.3	0.5	3.0	7.2	0.6	7.4	2.9	-0.1	-4.0	0.5
1*	E	-0.9	2.4	-0.3	0.5	-3.0	7.2	-2.9	-0.1	-0.6	7.4	1.8	-6.8

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
1*	A	-1.8	-6.8	-4.2	-6.1	4.2	6.1	-0.1	0.0	0.1	0.0
1*	E	4.0	0.5	4.2	-6.1	-4.2	6.1	-0.1	0.0	0.1	0.0

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	1.4	3.6	0.5	1.0	5.8	13.3	-4.9	-3.3	1.7	-5.8	-8.7	-6.6
2*	E	-1.4	3.6	-0.5	1.0	-5.8	13.3	-1.7	-5.8	4.9	-3.3	2.0	-8.9

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
2*	A	-2.0	-8.9	-6.1	-11.1	-6.6	-10.0	-0.2	-0.1	0.2	0.1
2*	E	8.7	-6.6	6.6	-10.0	6.1	-11.1	-0.2	0.1	0.2	-0.1

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	0.1	2.2	0.1	0.6	0.3	8.6	-3.3	-14.1	2.9	-5.8	-4.0	-10.8
3*	E	-0.1	2.2	-0.1	0.6	-0.3	8.6	-2.9	-5.8	3.3	-14.1	-2.1	-2.6
3*	C	0.0	2.5	0.0	0.9	0.0	10.1	0.0	-12.2	0.0	-12.2	0.0	-6.5

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	F3PAT_LL_1 Horiz	F3PAT_LL_1 Vert
3*	A	2.1	-2.6	1.1	-7.3	0.2	-5.1	-0.2	-0.1	0.2	0.1	0.5	4.6
3*	E	4.0	-10.8	-0.2	-5.1	-1.1	-7.3	-0.2	0.1	0.2	-0.1	-0.5	-0.2
3*	C	0.0	-6.5	0.0	-11.7	0.0	-11.7	0.0	0.0	0.0	0.0	0.0	5.3

Frame Line	Column Line	F3PAT_LL_2 Horiz	F3PAT_LL_2 Vert
3*	A	0.5	-0.2
3*	E	-0.5	4.6
3*	C	0.0	5.3

1* Frame lines: 1 8
2* Frame lines: 2 7
3* Frame lines: 3 4 5 6

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz
2	B	0.2	-3.6	4.0
2	C	0.2	-4.2	4.6
2	D	0.2	-3.6	4.0
7	D	0.2	-3.6	4.0
7	C	0.2	-4.2	4.6
7	B	0.2	-3.6	4.0

GENERAL NOTES

(1.) APPLICATION OF ENGINEERS SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

(2.) FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER.

(3.) ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.

(4.) THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION. THE FOUNDATION IS TO BE DESIGNED BY A QUALIFIED ENGINEER TO SUPPORT THE BUILDING REACTIONS IN ADDITION TO OTHER LOADS IMPOSED BY THE BUILDING USE OR OCCUPANCY WITH RESPECT TO JOB SITE CONDITIONS.

(5.) ALL ANCHOR BOLTS TO BE ASTM F1554 GRADE 36 MIN. OR GRADE 55 (UNLESS NOTED)

(6.) VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AS WELL AS OTHER FACTORS.

(7.) WIND REACTIONS ARE BASED ON Vult.

DESIGN LOAD DEFINITIONS

RIGID FRAME LOAD CASE DEFINITIONS

Wind_L1/Wind_R1 = Lateral wind load from the left/right with a negative internal pressure coefficient.
Wind_L2/Wind_R2 = Lateral wind load from the left/right with a positive internal pressure coefficient.
Wind_Ln1 = Longitudinal wind load with a negative internal pressure coefficient.
Wind_Ln2 = Longitudinal wind load with a positive internal pressure coefficient.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
LWIND#_L#E/ LWIND#_R#E = Longitudinal wind loads for edge zones.
F#UNB_SL_L/ F#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
F#PAT_LL # = Pattern live load for continuous beam systems.

Note: Bracing reactions are not already included in combination with any other load but must be added to basic reactions as desired by the foundation designer.

Endwall Load Case Definitions

Collat = Collateral Load
Rafter Wind_L/ Rafter Wind_R = Lateral wind load from the left/right.
Brace Wind_L/ Brace Wind_R = Lateral wind load from the left/right with the bracing loads added.
Wind_P/Wind_S = Wind Pressure/Suction due to longitudinal wind.
Wind_Ln# = Longitudinal wind load on the roof.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
E#UNB_SL_L/ E#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
E#PAT_LL # = Pattern live load for continuous beam systems.
LWIND#_L/LWIND#_R = Longitudinal wind loads for edge zones.

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ALEXANDRIA, AL 36250

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAR 04 2020

ORIGINAL SIGNATURE REQUIRED

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

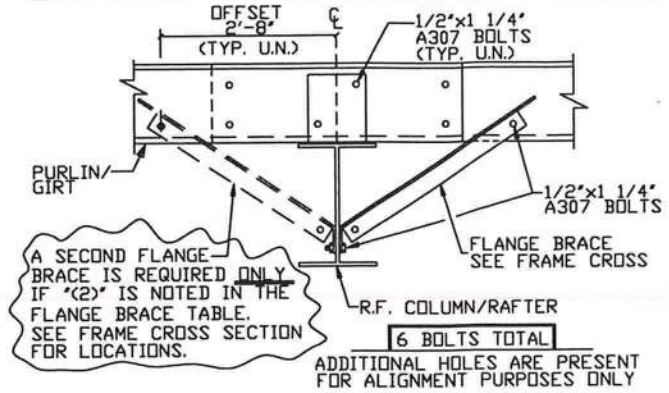
DRAWING STATUS
[ ] FINAL ERECTION
[X] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER
PROJECT	MAINTENANCE SHOP	ANCHOR BOLT DETAILS & REACTIONS
ID	26514	DESIGN: ZJM / DRAFT: BJH / CHECK: DWD
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20 / SHEET 2

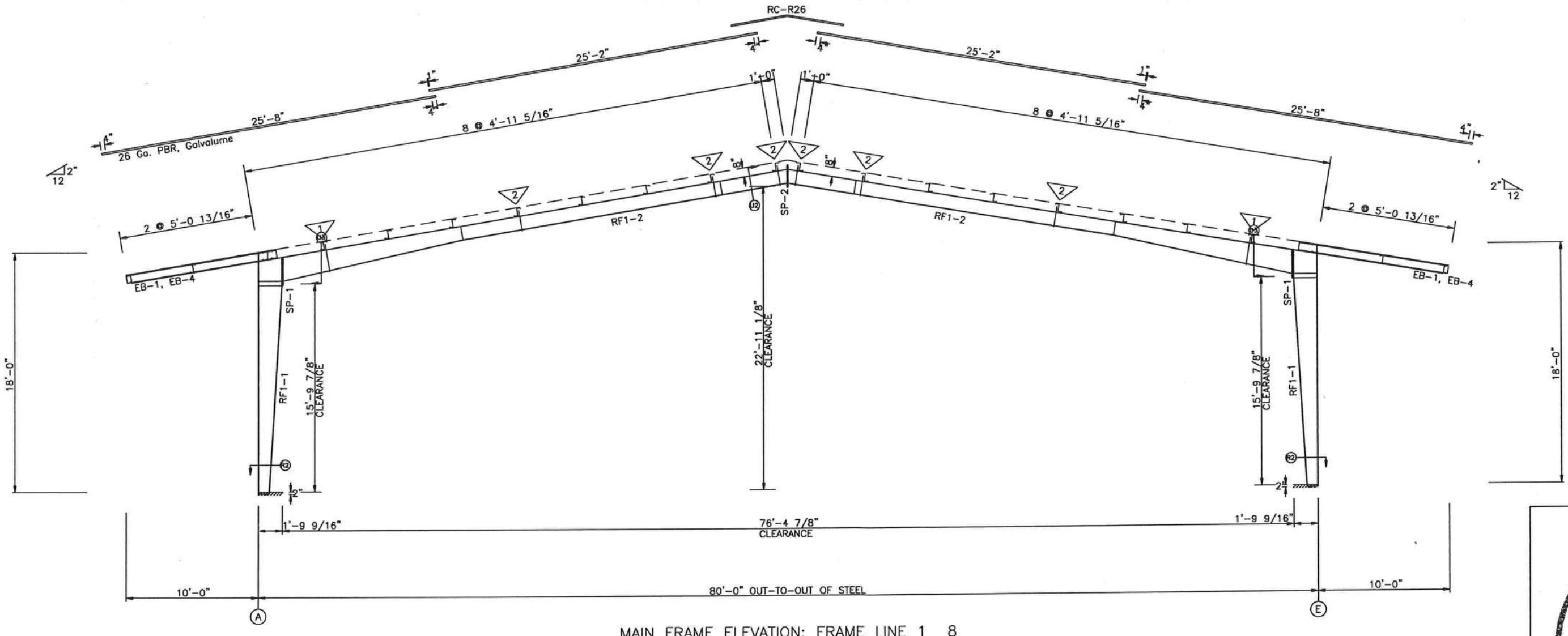
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	0.750	2.50
SP-2	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 1 8				
▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB41.5A	3'-5 1/2"	2'-8"
2	1	FB38.5A	3'-2 1/2"	2'-8"

TYP. FLANGE BRACE / GIRT CONNECTION



MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	9.4/21.0	0.135	187.4	6 x 3/16" x 209.2	6 x 3/8" x 187.8
	21.0/21.0	0.188	25.3	6 x 3/16" x 21.4	
RF1-2	21.0/12.0	0.135	166.6	6 x 3/16" x 240.0	6 x 5/16" x 166.8
	12.0/12.0	0.135	238.0	6 x 3/16" x 223.1	6 x 5/16" x 240.0
	12.0/12.0	0.135	62.0		6 x 5/16" x 57.9



MAIN FRAME ELEVATION: FRAME LINE 1 8

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAR 0 4 2020

ORIGINAL SIGNATURE REQUIRED

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REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
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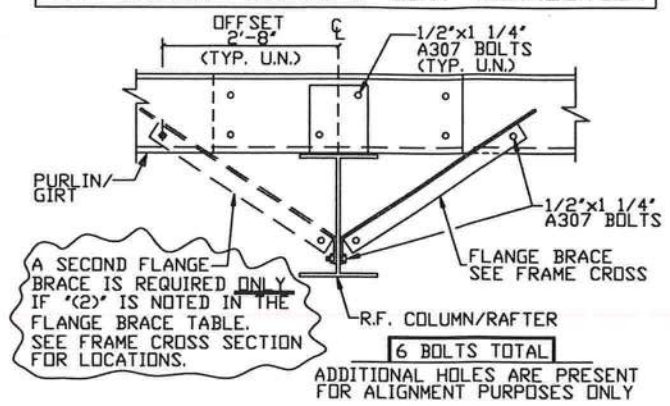
[X] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER	
PROJECT ID	MAINTENANCE SHOP 26514	MAIN FRAME ELEVATION	
		DESIGN: ZJM	DRAFT: BJH CHECK: ZJM
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20	SHEET 3

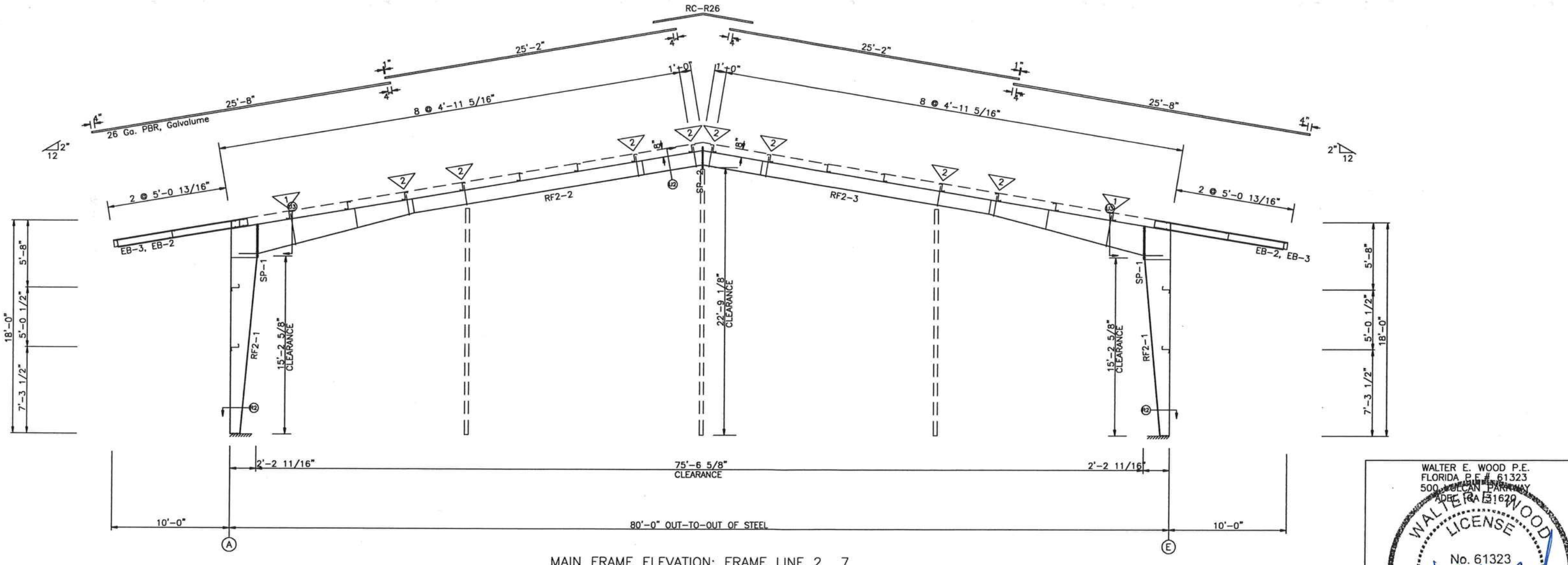
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	0.750	2.50
SP-2	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 2 7				
▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB45A	3'-9"	2'-8"
2	1	FB39.5A	3'-3 1/2"	2'-8"

TYP. FLANGE BRACE / GIRT CONNECTION



MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-1	9.3/26.0	0.135	178.0	6 x 3/16" x 207.1	6 x 1/2" x 178.7
	26.0/26.0	0.250	33.5	6 x 1/4" x 26.5	
RF2-2	29.0/19.5	0.165	103.4	6 x 1/4" x 110.5	6 x 1/4" x 163.6
	19.5/14.0	0.135	59.5	6 x 3/16" x 240.0	6 x 1/4" x 240.0
	14.0/14.0	0.135	238.0	6 x 3/16" x 107.5	6 x 1/4" x 57.6
	14.0/14.0	0.135	62.0		
RF2-3	14.0/14.0	0.135	62.0	6 x 3/16" x 107.5	6 x 1/4" x 57.6
	14.0/14.0	0.135	238.0	6 x 3/16" x 240.0	6 x 1/4" x 240.0
	14.0/19.5	0.135	59.5	6 x 1/4" x 110.5	6 x 1/4" x 163.6
	19.5/29.0	0.165	103.4		



MAIN FRAME ELEVATION: FRAME LINE 2 7

GENERAL NOTES:

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(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

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[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER	
PROJECT ID	MAINTENANCE SHOP 26514	MAIN FRAME ELEVATION	
		DESIGN: ZJM	DRAFT: BJH CHECK: ZJM
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20	SHEET 4

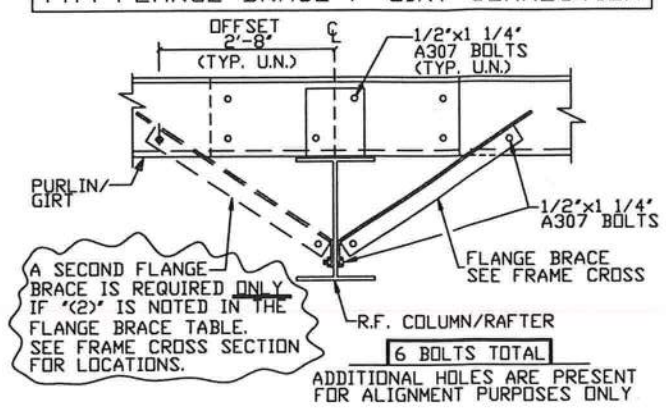
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	2	4	0	A325	0.750	2.50
SP-2	4	4	0	A325	0.625	2.25

CAP PLATE BOLTS				
Mark	Qty	Type	Dia	Length
RF3-4	4	A325	0.750	2.50

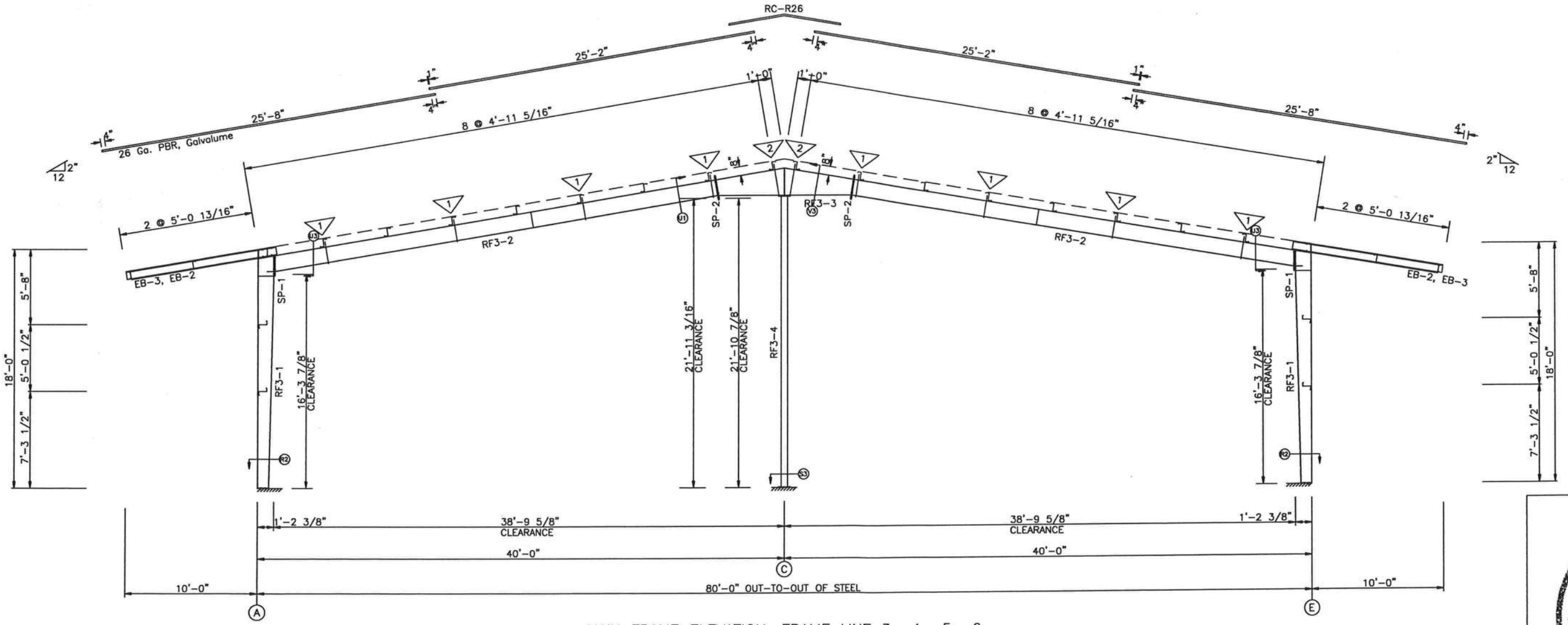
FLANGE BRACE TABLE
FRAME LINE 3 4 5 6

▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB39.5A	3'-3 1/2"	2'-8"
2	1	FB43.5A	3'-7 1/2"	2'-8"

TYP. FLANGE BRACE / GIRT CONNECTION



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	9.6/14.0	0.135	191.3	5 x 3/16" x 207.2	5 x 3/16" x 191.4
	14.0/14.0	0.165	18.2	5 x 3/16" x 14.4	
RF3-2	14.0/14.0	0.135	238.0	5 x 3/16" x 240.0	5 x 3/16" x 240.0
	14.0/14.0	0.135	170.8	5 x 3/16" x 166.4	5 x 3/16" x 168.8
RF3-3	14.1/24.3	0.135	125.3	5 x 3/16" x 63.5	5 x 3/16" x 54.8
				5 x 3/16" x 63.5	5 x 3/16" x 54.8
RF3-4	P6x.188				



MAIN FRAME ELEVATION: FRAME LINE 3 4 5 6

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FINAL ERECTION
[X] FOR CONSTRUCTION
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC	MAYO FERTILIZER
PROJECT	MAINTENANCE SHOP
ID	26514
PROJECT ADDRESS	LAKE CITY FL 32055
MAIN FRAME ELEVATION	
DESIGN: ZJM	DRAFT: BJH CHECK: ZJM
DATE: 2/26/20	SHEET 5

WALTER E. WOOD P.E.
FLORIDA P.E. No. 61323
500 VULCAN PARKWAY
ADEL, GA 31620

MAR 0 4 2020

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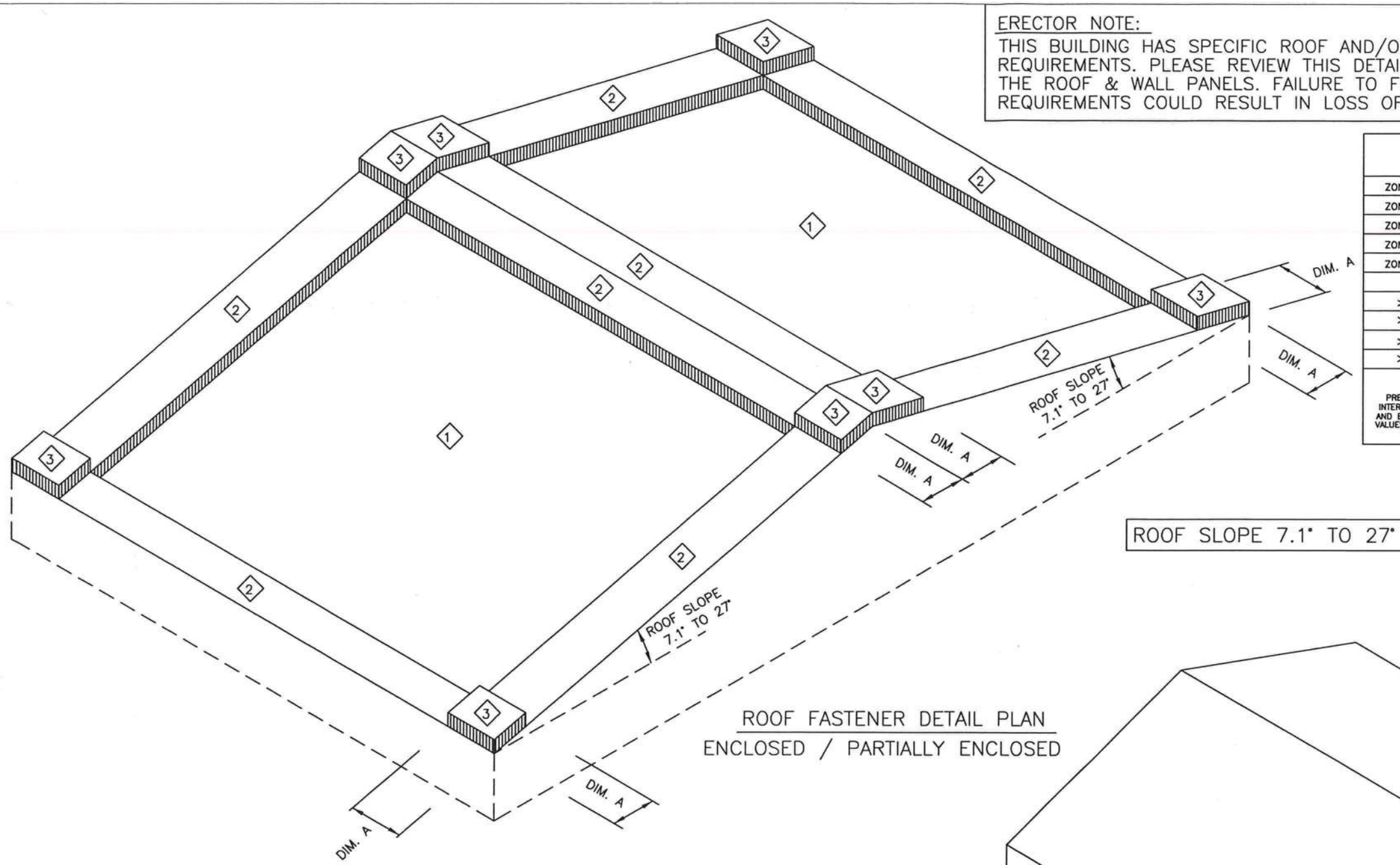
ERECTOR NOTE:

THIS BUILDING HAS SPECIFIC ROOF AND/OR WALL FASTENER REQUIREMENTS. PLEASE REVIEW THIS DETAIL PRIOR TO ERECTING THE ROOF & WALL PANELS. FAILURE TO FOLLOW THESE SPECIFIC REQUIREMENTS COULD RESULT IN LOSS OF ROOF OR WALL PANEL(S).

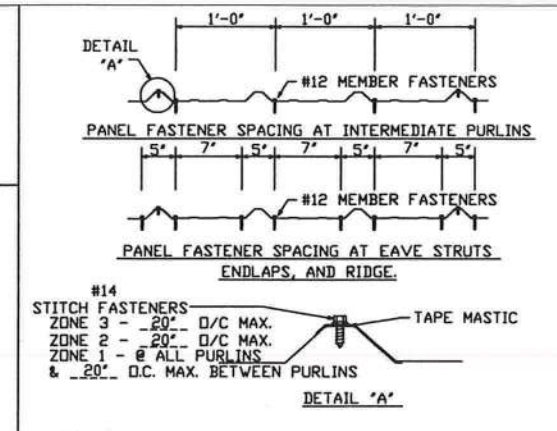
WIND LOADING PRESSURES CHART (AREA <= 10 SQ.FT. FOR PANELS)	PRESSURE	SUCTION
ZONE 1 (ROOF INTERIOR)	16	-23
ZONE 2 (ROOF EDGE)	16	-40
ZONE 3 (ROOF CORNER)	16	-59
ZONE 4 (WALL INTERIOR)	23	-25
ZONE 5 (WALL EDGE)	23	-30
WALL ACCESSORIES		
> 10 SQFT (ZONE 4)	23	-25
>100 SQFT (ZONE 4)	20	-21
> 10 SQFT (ZONE 5)	23	-30
>100 SQFT (ZONE 5)	20	-23

NOTE :
PRESSURES SHOWN ARE BASED ON Vult AND APPLICABLE INTERNAL COEFFICIENTS FOR THE ENCLOSURE CLASSIFICATION AND EXPOSURE CATEGORY. SEE COVER PAGE FOR APPLICABLE VALUES. FOR ALLOWABLE STRENGTH DESIGN PRESSURES, Vasd, MULTIPLY THE SHOWN VALUES BY 0.6.



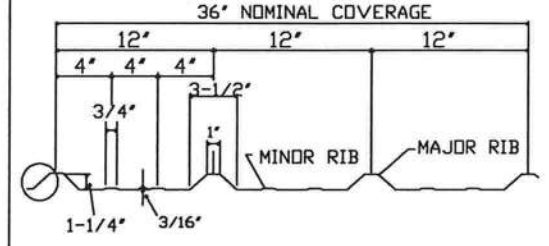
ROOF SLOPE 7.1° TO 27°

ROOF FASTENER DETAIL PLAN
ENCLOSED / PARTIALLY ENCLOSED

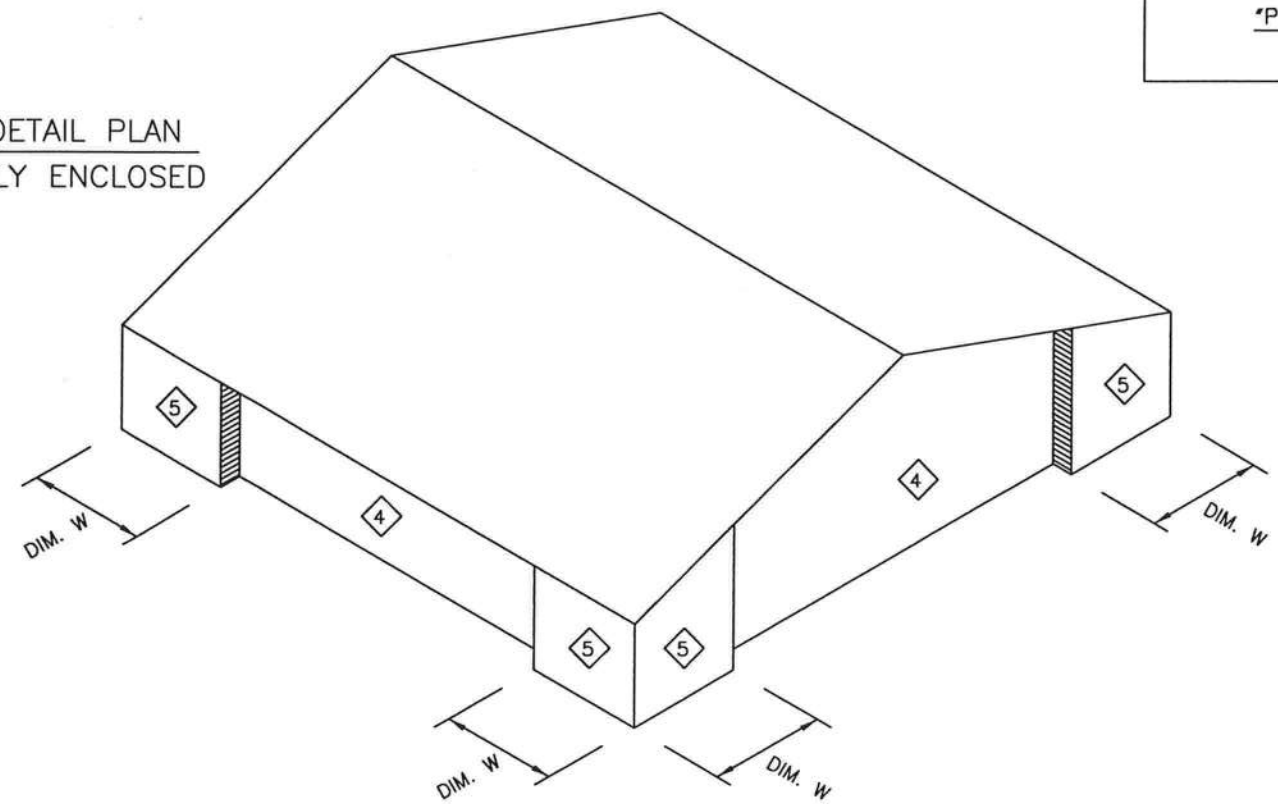


◇1 = ZONE 1 DIM A = 7.2 FT
◇2 = ZONE 2
◇3 = ZONE 3

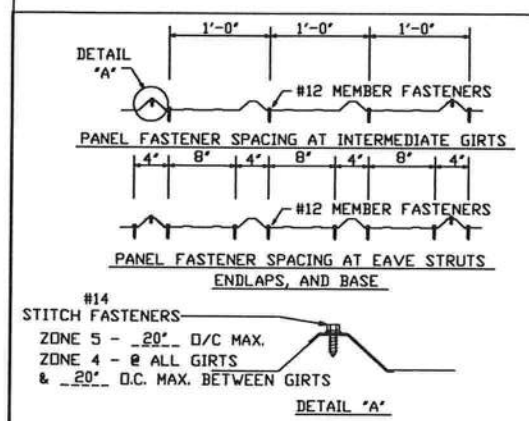
'PBR' ROOF PANEL ATTACHMENT DETAIL



'PBR' ROOF PANEL PROFILE

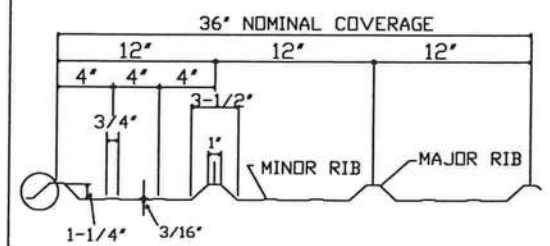


WALL FASTENER DETAIL PLAN



◇4 = ZONE 4 DIM W = 7.2 FT
◇5 = ZONE 5

'PBR' WALL PANEL ATTACHMENT DETAIL



'PBR' WALL PANEL PROFILE

PGB7T027

WALTER E. WOOD P.E.
FLORIDA P.E.# 61323
500 VULCAN PARKWAY
ADEL, GA 31620

WALTER E. WOOD LICENSE No. 61323 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DRAWING STATUS
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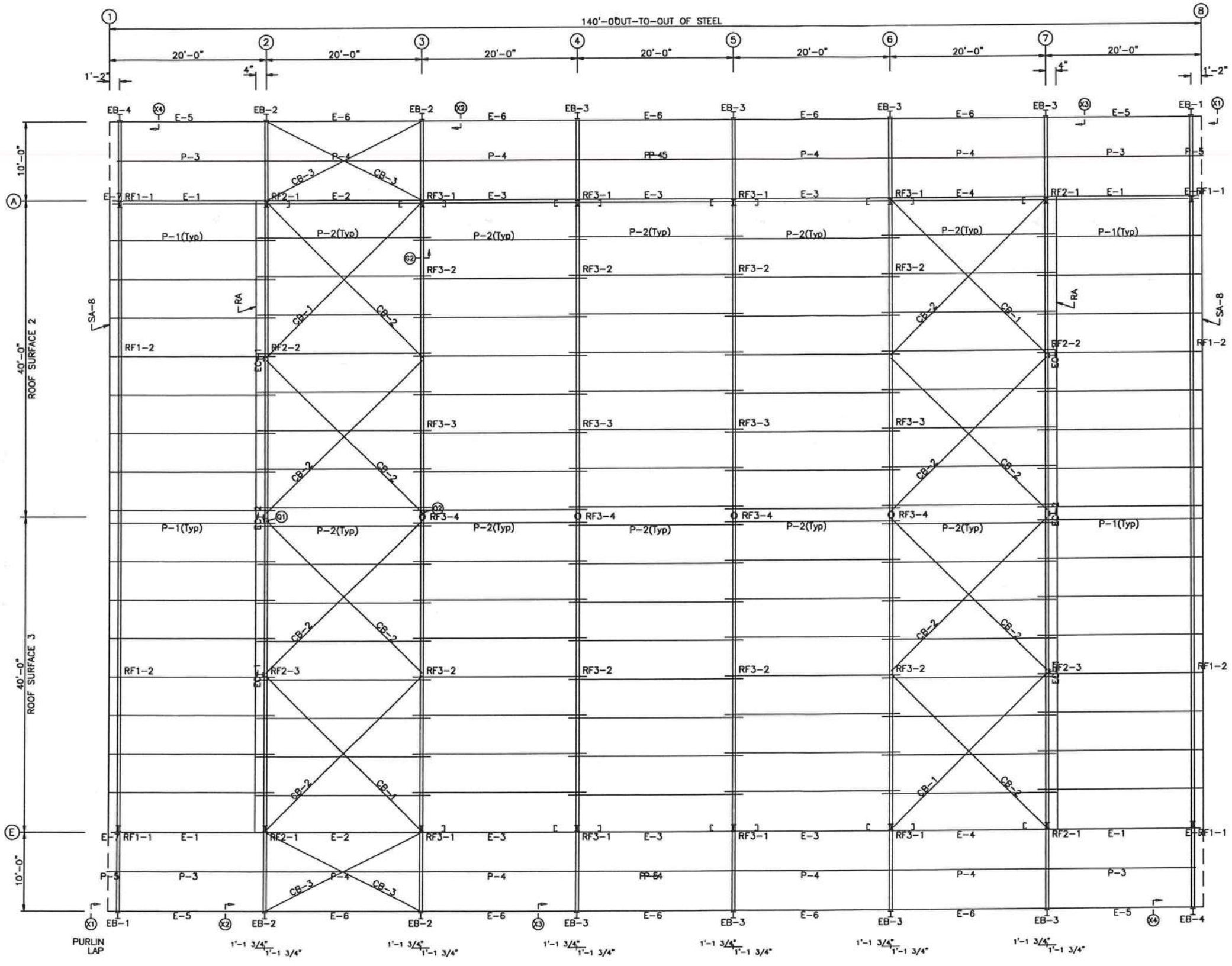
[ ] OTHER, EXPLAIN

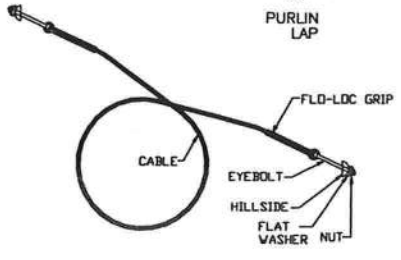
VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER	
PROJECT	MAINTENANCE SHOP	FASTENER DETAILS	
ID	26514	DESIGN: ZJM	DRAFT: BJH CHECK: ZJM
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20	SHEET 6

MEMBER TABLE ROOF PLAN			
QUAN	MARK	PART	LENGTH
2	EB-1	W8X18	11'-5 5/8"
4	EB-2	W8X24	11'-5 11/16"
8	EB-3	W8X24	11'-5 11/16"
2	EB-4	W8X18	11'-5 5/8"
32	P-1	8X25Z14	21'-1 1/2"
80	P-2	8X25Z16	22'-3 1/2"
4	P-3	8X25Z12	18'-2 1/2"
10	P-4	8X25Z12	19'-4 1/2"
4	P-5	8X25Z12	6 1/2"
4	E-1	8E275D12	18'-2 1/2"
2	E-2	8E275D16	19'-4 1/2"
6	E-3	8E275D12	19'-4 1/2"
2	E-4	8E275D12	19'-4 1/2"
4	E-5	8X25C16	19'-11 1/2"
10	E-6	8X25C14	19'-11 1/2"
4	E-7	8E275D12	6 1/2"
4	CB-1	0.250CBL	28'-4"
12	CB-2	0.250CBL	28'-5"
4	CB-3	0.250CBL	22'-5"

EXTENSION/CANOPY BOLTS ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-1	4	A325	5/8"	2 1/4"
EB-2	4	A325	5/8"	2 1/4"
EB-3	4	A325	5/8"	2 1/4"
EB-4	4	A325	5/8"	2 1/4"



ROOF FRAMING PLAN



BRACE CABLE ASSEMBLY
CABLE HARDWARE FACTORY ATTACHED
SYMMETRICAL AT BOTH ENDS

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[ ] FOR APPROVAL
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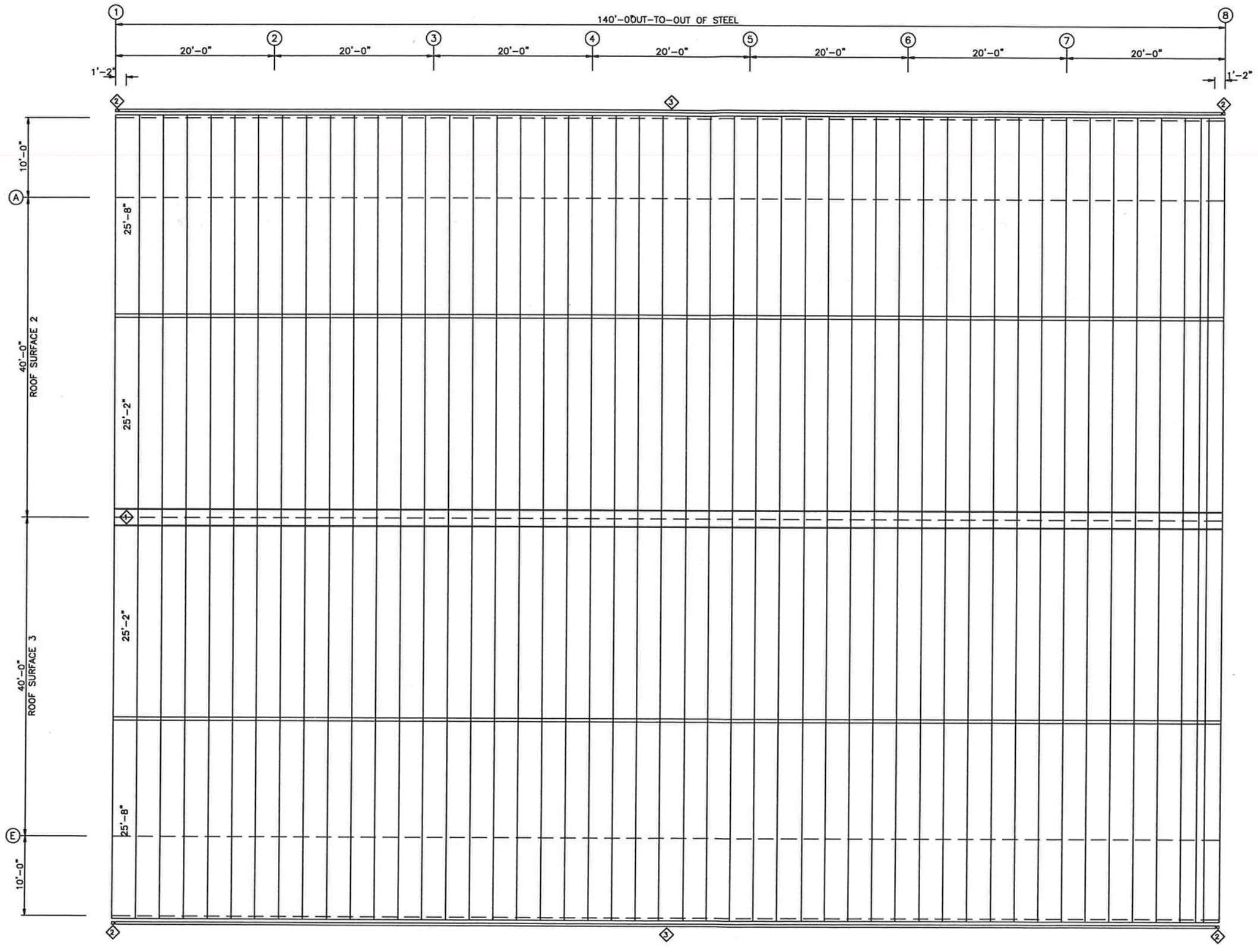
VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER	
PROJECT	MAINTENANCE SHOP	ROOF FRAMING	
ID	26514	DESIGN: ZJM	DRAFT: BJH CHECK: ZJM
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20	SHEET 7

TRIM TABLE ROOF PLAN				
◇ID	QUAN	MARK	LENGTH	DETAIL
1	47	RC-R26	3'-0"	TM19
2	4	RVRE	6"	TRIM_40
3	28	SET	10'-9"	TRIM_12



ROOF SHEETING PLAN

PANELS: 26 Ga. PBR – Galvalume

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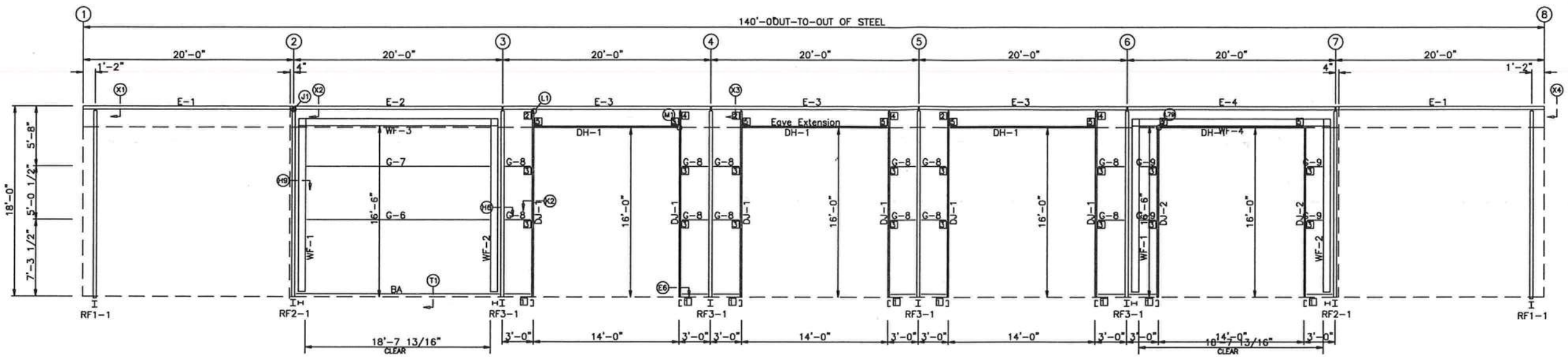
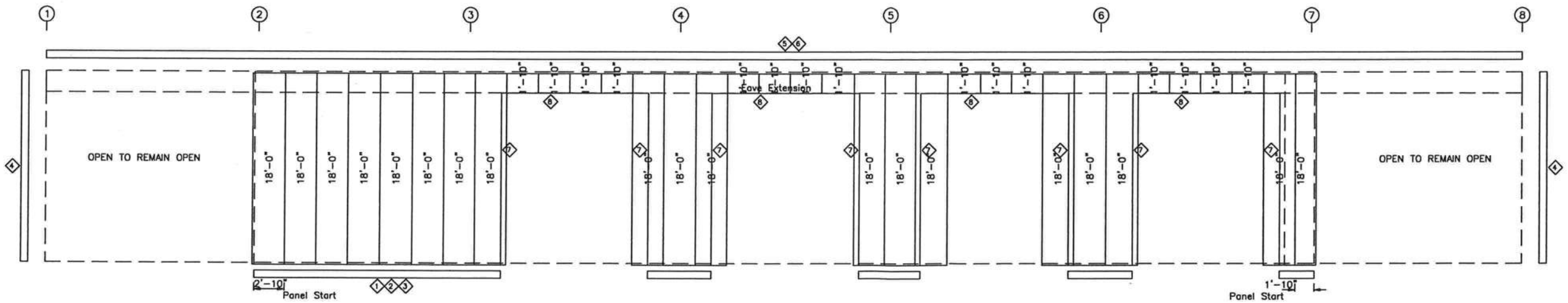
VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER	
PROJECT	MAINTENANCE SHOP	ROOF SHEETING	
ID	26514	DESIGN: ZJM	DRAFT: BJH / CHECK: ZJM
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20	SHEET 8



SIDEWALL FRAMING: FRAME LINE E



SIDEWALL SHEETING & TRIM: FRAME LINE E

PANELS: 26 Ga. PBR – Ash Gray

BOLT TABLE
FRAME LINE E

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – WF-3	4	A325T	3/4"	2 1/2"
WF-2 – WF-3	4	A325T	3/4"	2 1/2"
WF-1 – RF2-1	10	A325T	5/8"	2 1/4"
WF-2 – RF3-1	10	A325T	5/8"	2 1/4"
WF-1 – WF-4	4	A325T	3/4"	2 1/2"
WF-2 – WF-4	4	A325T	3/4"	2 1/2"
WF-1 – RF3-1	10	A325T	5/8"	2 1/4"
WF-2 – RF2-1	10	A325T	5/8"	2 1/4"

TRIM TABLE
FRAME LINE E

◇ID	PART	LENGTH	DETAIL
1	DTR	20'-3"	TRIM_114
2	DTR	3'-7"	TRIM_114
3	DTR	6'-3"	TRIM_114
4	CTR	18'-3"	TM29
5	SET	10'-9"	TM12
6	SET	1'-0"	TM12
7	JTR	16'-3"	TM31
8	HT	14'-6"	TM33

MEMBER TABLE
FRAME LINE E

MARK	PART	LENGTH
WF-1	W8541	16'-8"
WF-2	W8541	16'-8"
WF-3	W8541	18'-7 1/16"
WF-4	W8541	18'-7 1/16"
DJ-1	8X35c16	17'-4"
DJ-2	8X35c16	16'-6"
DH-1	8X35c16	14'-0"
E-1	8E275D12	18'-2 1/2"
E-2	8E275D16	19'-4 1/2"
E-3	8E275D12	19'-4 1/2"
E-4	8E275D12	19'-4 1/2"
G-6	8X25Z14	18'-7 5/16"
G-7	8X25Z16	18'-7 5/16"
G-8	8X25Z16	2'-4 1/2"
G-9	8X25Z16	1'-11 15/16"

CONNECTION PLATES
FRAME LINE E

□ID	MARK/PART
1	C7a
2	e1
3	C-5
4	e2
5	C-6

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

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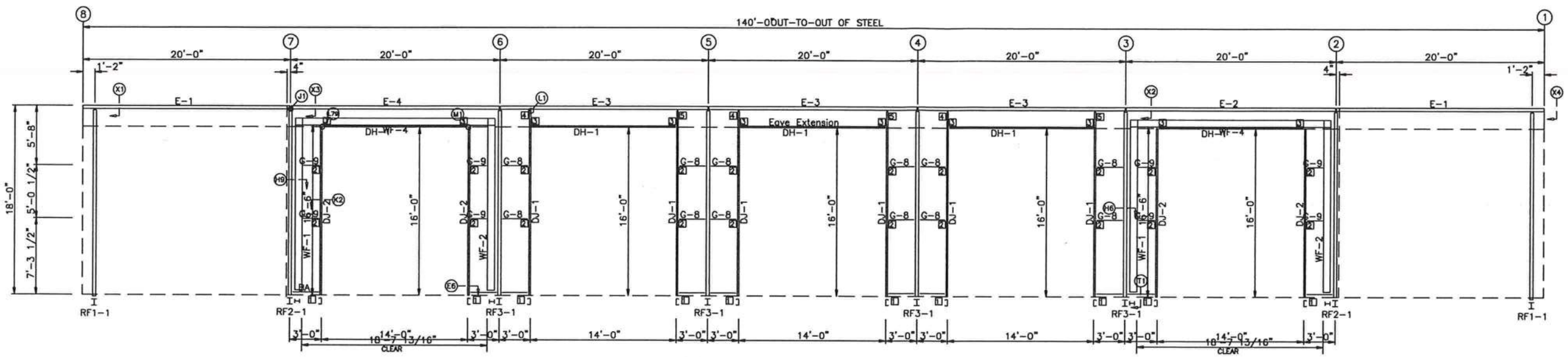
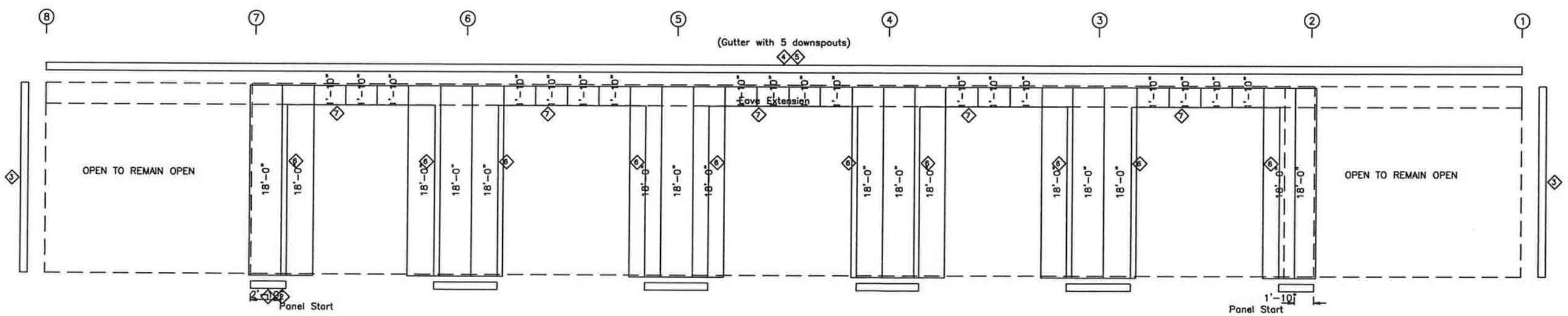
VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER	
PROJECT	MAINTENANCE SHOP	SIDEWALL FRAMING	
ID	26514	DESIGN: ZJM	DRAFT: BJH CHECK: ZJM
PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20	SHEET 9



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR – Ash Gray

BOLT TABLE
FRAME LINE A

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – WF-4	4	A325T	3/4"	2 1/2"
WF-2 – WF-4	4	A325T	3/4"	2 1/2"
WF-1 – RF2-1	10	A325T	5/8"	2 1/4"
WF-2 – RF3-1	10	A325T	5/8"	2 1/4"
WF-1 – RF3-1	10	A325T	5/8"	2 1/4"
WF-2 – RF2-1	10	A325T	5/8"	2 1/4"

TRIM TABLE
FRAME LINE A

◇ID	PART	LENGTH	DETAIL
1	DTR	3'-7"	TRIM_114
2	DTR	6'-3"	TRIM_114
3	CTR	18'-3"	TM29
4	SET	10'-9"	TM12
5	SET	1'-0"	TM12
6	JTR	16'-3"	TM31
7	HT	14'-6"	TM33

MEMBER TABLE
FRAME LINE A

MARK	PART	LENGTH
WF-1	W8541	16'-8"
WF-2	W8541	16'-8"
WF-4	W8541	18'-7 1/16"
DJ-1	8X35c16	17'-4"
DJ-2	8X35c16	16'-6"
DH-1	8X35c16	14'-0"
E-1	8E275D12	18'-2 1/2"
E-2	8E275D16	19'-4 1/2"
E-3	8E275D12	19'-4 1/2"
E-4	8E275D12	19'-4 1/2"
G-8	8X25Z16	2'-4 1/2"
G-9	8X25Z16	1'-11 15/16"

CONNECTION PLATES
FRAME LINE A

□ID	MARK/PART
1	C7a
2	C-5
3	C-6
4	e1
5	e2

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
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VULCAN STEEL STRUCTURES, INC		MAYO FERTILIZER		
PROJECT	MAINTENANCE SHOP	SIDEWALL FRAMING		
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PROJECT ADDRESS	LAKE CITY FL 32055	DATE: 2/26/20	SHEET	10

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