ACCREDITED AC472

VULCAN STEEL STRUCTURES, INC.

MIAMI-DADE COUNTY APPROVED

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

LETTER OF CERTIFICATION

VULCAN STEEL STRUCTURES, INC
Job Number 23864
Customer Name: TONY RICHARDS
Job Location: LAKE CITY, FL 32024

DATE: 3 / 26 / 18
DESIGNED BY: EJS
DETAILED BY: JH
CHECKED BY: EJS

DESIGN PARAMETERS

BUILDING DESCRIPTION:

NOMINAL WIDTH:	40	feet
NOMINAL LENGTH:	100	feet
EAVE HEIGHT, BACK S.W:	14.92	feet
EAVE HEIGHT, FRONT S.W:	16.58	feet
ROOF SLOPE, LEFT:	0.5:12	
ROOF SLOPE, RIGHT:		

COMMENTS

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

DESIGN LOADS

BUILDING CODE:	FBC 17 - with latest amendments		
FRAME SELF WEIGHT:	INCLUDED	SNOW :	
ROOF DEAD LOAD:	2.000 psf	FLAT ROOF SNOW LOAD Pf :	0 psf
COLLATERAL LOAD:	0 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)	120 mph (Vult)		
(3 SEC GUST)	92.9 mph (Vasd)		
INTERNAL PRESSURE COEFF. :	0.18/-0.18		
WIND EXPOSURE:	B		
CLOSURE "G, O, P" :	Closed		
RISK CATEGORY :	II - Normal		

NOTE:
BUILDING WILL BE ENCLOSED

SEISMIC PARAMETERS

SEISMIC-FORCE RESISTING SYSTEM: STEEL ORDINARY MOMENT FRAME
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)	0.10
DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" - (1 SEC PERIODS)	0.08
MAPPED SPECTRAL RESPONSE ACCELERATION: "SS" - (SHORT PERIODS):	0.09
MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" - (1 SEC PERIOD):	0.05
SEISMIC RESPONSE MODIFICATION COEFFICIENT: "R" -	3.5
SEISMIC RESPONSE COEFFICIENT: "Cs" -	0.029
TOTAL LONGITUDINAL BASE SHEAR :	0.59
TOTAL TRANSVERSE BASE SHEAR :	0.72

DRAWING RELEASE HISTORY

DATE SENT	REASON FOR RELEASE
	A
	B
	C
	D

DRAWING REVISIONS

REVISION	DATE	BY	DESCRIPTION
	3/26/18		Updated Building Code Version

SHEETING		
ROOF PANEL:		
GAUGE	PANEL TYPE	COLOR
26 GA.	PBR PANEL	Galvalume
WALL PANEL:		
GAUGE	PANEL TYPE	COLOR
GA.		
CORNERS, F.O.'S & BASE TRIM COLOR:		
NEED COLOR		
EAVE, RAKE, GUTTER & DOWNSPOUTS TRIM COLOR:		
NEED COLOR		

FLORIDA PRODUCT APPROVAL NUMBERS

WALKDOORS		
3070 W/SUB JAMBS	WIND RATED & KNOCKDOWN OR PRE-ASSEMBLED	FL13889.3
3070 W/FRAMED OPENING	WIND RATED & KNOCKDOWN OR PRE-ASSEMBLED	FL13889.4
6070 W/SUB JAMBS	WIND RATED & KNOCKDOWN OR PRE-ASSEMBLED	FL13889.1
6070 W/FRAMED OPENING	WIND RATED & KNOCKDOWN OR PRE-ASSEMBLED	FL13889.2
4070 & 8070	WINDMAXX & KNOCKDOWN OR PRE-ASSEMBLED	FL10294.1
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 GLASS	LOUVER WITH FLIXED GLASS	FL12256.1
ADJUST. GLASS	LOUVER WITH ADJUSTABLE GLASS	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: 12'-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

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	FL11868.1
PBU PANEL	FL11868.2
WALL PANELS	
AVP PANEL	FL11917.3
FW-120 PANEL	FL11917.4
PBR PANEL	FL11917.5
REVERSE PBR	FL11917.5
SHADOWRIB PANEL	FL11917.6

SOFFIT PANELS	
ARTISAN L-12	FL11919.1
SKYLIGHTS	
PBR SKYLIGHT	FL13793
WALL LITES	
PBR	FL13787.1

MIAMI DADE PRODUCT APPROVAL NUMBERS

ROLL UP DOORS		
850 SERIES MINI	MAX SIZE: 8'-8" X 12'-0"	NOA-13-1203
3400 SERIES	MAX SIZE: 12'-0" X 20'-0"	NOA-13-0124

ROOF PANELS		
PBR	22 GAGE & 24 GAGE	NOA-12-0730.02
SUPERLOK	22 GAGE	NOA-12-0911.02
SUPERLOK	24 GAGE	NOA-12-0123.07
DOUBLE-LOK		NOA-13-0425.14
WALL PANELS		
PBR	24 GAGE	NOA-12-0123.06
ECO-FICIENT		NOA-14-0306.03
SKYLIGHTS		
PBR		NOA-12-0110.04

THE PROJECT DESIGNER IS NOT THE MET BUILDING MANUFACTURER, THE METAL BUI DESIGNER OR THE METAL BUILDING ENGIN THE ENGINEER WHOSE SEAL APPEARS ON METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGN OR THE PROJECT ENGINEER OF RECORD, 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.

MICHAEL R. MURPHY P.E.
FLORIDA P.E. # 67131
500 VULCAN PARKWAY
ADEL GA 31620

MICHAEL R. MURPHY
No. 67131
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SEAL TYPE PERMITTED BY FL. STATUTE 61G15-23.001

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:

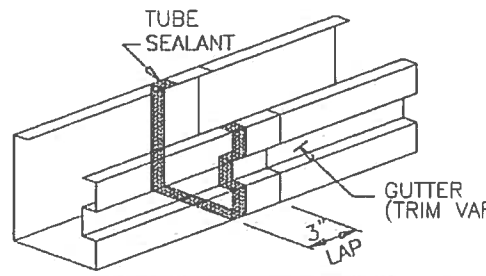
* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING THE SITING OF (DETERMINATION OF WIND EXPOSURE) AND SPECIFYING THE GEOMETRY, LOADS AND MATERIALS FOR A BUILDING PROJECT.
* A PROJECT DESIGNER IS RESPONSIBLE FOR DETERMINING GEOMETRY PARAMETERS INCLUDE DEFINITION OF WIDTH, LENGTH, HEIGHT, SLOPE, BAYS, 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.

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.

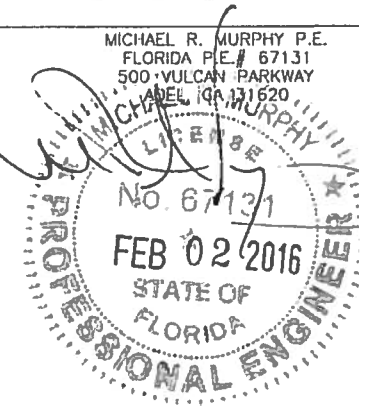


STANDARD TRIM LAP DETAIL

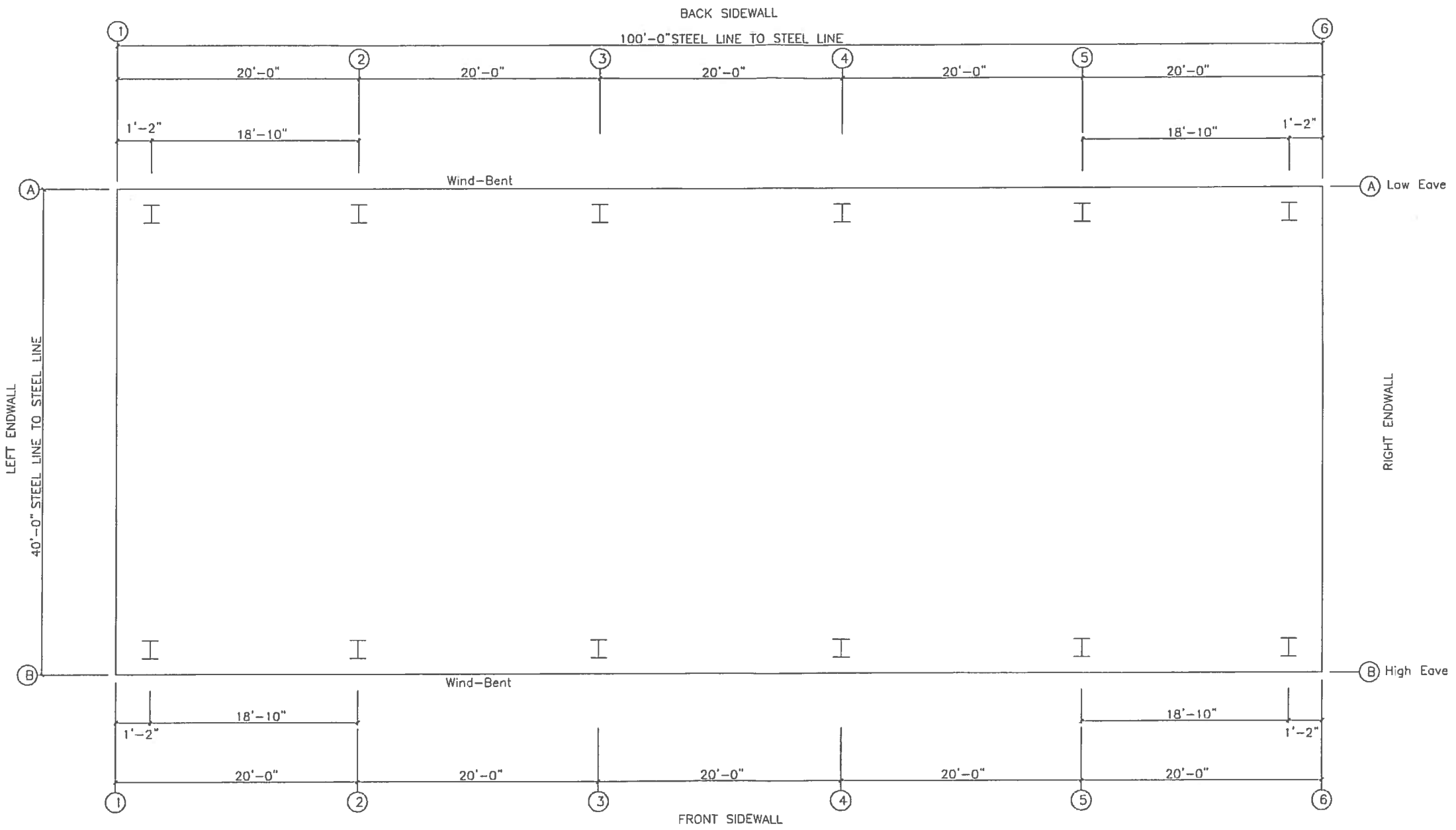
NOTE: ALL TRIM CONTAINED ON THIS PROJECT WILL HAVE OUR STANDARD 3" LAP AS SHOWN ABOVE. (TRIM STYLE VARIES)

THE PROJECT DESIGNER IS NOT THE MET BUILDING MANUFACTURER, THE METAL BU DESIGNER OR THE METAL BUILDING ENGI THE ENGINEER WHOSE SEAL APPEARS ON METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIG OR THE PROJECT ENGINEER OF RECORD. 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.

MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620



SEAL TYPE PERMITTED BY FL STATUTE 61G15-23.001



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

MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620

MICHAEL R. MURPHY LICENSE No. 67131 FEB 02 2016 STATE OF FLORIDA PROFESSIONAL ENGINEER

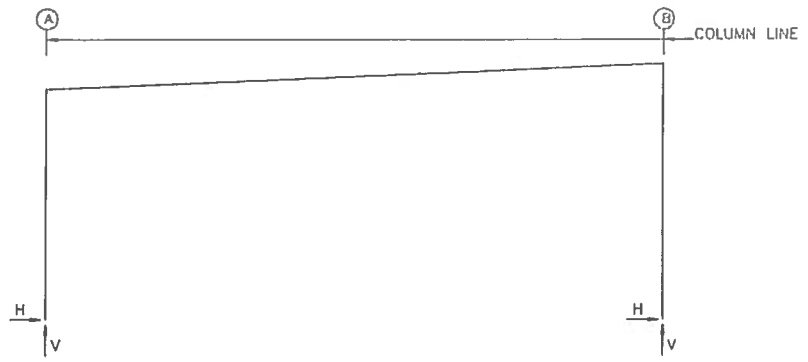
SEAL TYPE PERMITTED BY
FL STATUTE 61G15-23.001

REVISIONS						
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		TONY RICHARDS	
PROJECT ID	DISTRESSED BLDG 12 23864	COLUMN LOCATION PLAN	
		DESIGN: EJS	DRAFT: JH
PROJECT ADDRESS	LAKE CITY, FL 32024	DATE: 1/26/16	SHEET 1

FRAME LINES: 1 2 3 4 5 6



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert
1*	A	0.5	1.2	2.2	4.8	−8.0	−12.1	1.3	−4.5	−7.7	−9.0	1.6	−1.4
1*	B	−0.5	1.3	−2.2	4.8	1.7	−9.8	6.4	−7.9	1.3	−6.7	6.0	−4.8

Frame Line	Column Line	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	−1.5	−7.6	−1.5	−7.6	−0.1	0.0	0.1	0.0
1*	B	1.7	−7.7	1.7	−7.7	−0.1	0.0	0.1	0.0

1* Frame lines: 1 2 3 4 5 6

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	B	2,3	1.5	2.2	0.1	0.2			(b)
R_EW	6								(h)
B_SW	A	2,3	1.4	1.9	0.1	0.2			(b)

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

DESIGN LOAD DEFINITIONS

RIGID FRAME LOAD CASE DEFINITIONS

Wind_L1/Wind_R1 = Lateral wind load from the left/right with a negative internal pressure cofficient.
Wind_L2/Wind_R2 = Lateral wind load from the left/right with a positive internal pressure cofficient.
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

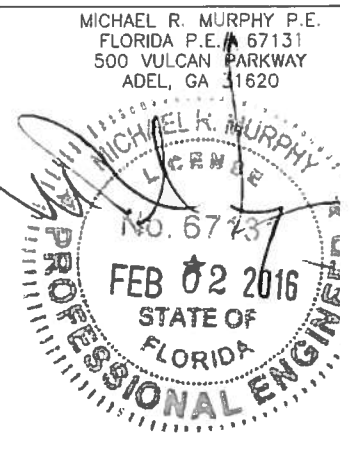
Collat = Collateral Load
Rafter Wind_L/ Rafter Wind_R = Lateral wind load from the left/right.
Brace Wind_L/ Brace Wind_R = Lateral wind load from the left/right with the bracing loads added.
Wind_P/Wind_S = Wind Pressure/Suction due to longitudinal wind.
Wind_Ln# = Longitudinal wind load on the roof.
Selsmic_L/Selsmic_R = Lateral Selsmic 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.

WIND LOADING PRESSURES CHART
(AREA <= 20 SQ.FT. FOR PANELS)
MULTIPLY x.6 FOR DESIGN VALUE

	POSITIVE (VULT)	POSITIVE (VASD)	NEGATIVE (VULT)	NEGATIVE (VASD)
ZONE 1 (ROOF INTERIOR)	10	10	−26	−16
ZONE 2 (ROOF EDGE)	10	10	−40	−24
ZONE 3 (ROOF CORNER)	10	10	−55	−33
ZONE 4 (WALL INTERIOR)	24	14	−25	−15
ZONE 5 (WALL EDGE)	24	14	−30	−18

NOTE : USE MAXIMUM STATED WALL PRESSURES FOR WINDOWS, LOUVERS, OR ANY OTHER SUCH TYPE ACCESSORY OPENING IN THE METAL BUILDING WALL WHETHER OR NOT THE ACCESSORY IS SUPPLIED BY THE METAL BUILDING MANUFACTURER.

MICHAEL R. MURPHY P.E.
FLORIDA P.E. # 67131
500 VULCAN PARKWAY
ADEL, GA 31620



SEAL TYPE PERMITTED BY FL STATUTE 61G15-23.001

REVISIONS

REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

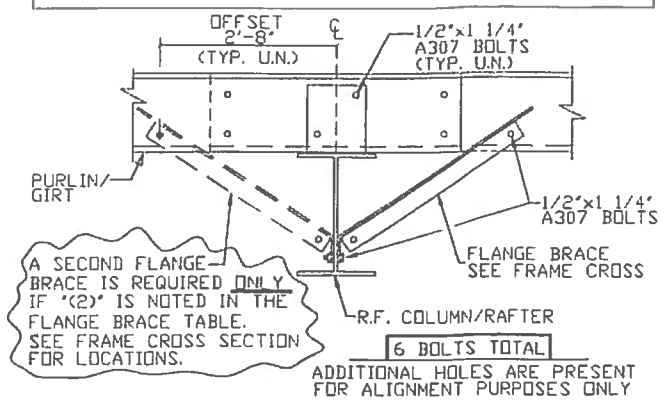
VULCAN STEEL STRUCTURES, INC	
PROJECT	DISTRESSED BLDG 12
ID	23864
PROJECT ADDRESS	LAKE CITY, FL 32024

TONY RICHARDS
PRELIMINARY COLUMN REACTIONS
DESIGN: EJS | DRAFT: JH | CHEC
DATE: 1/26/16 | SHEET

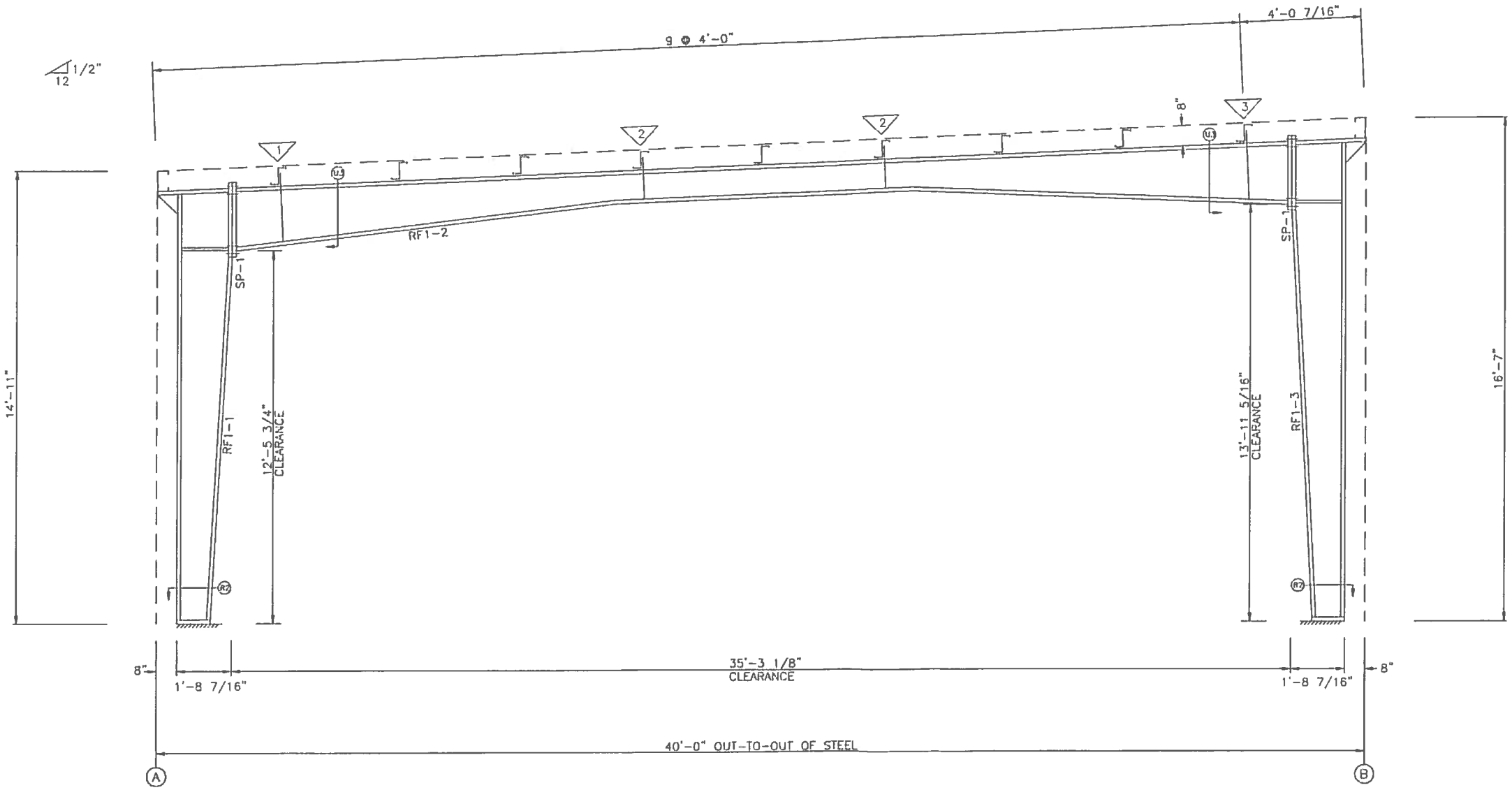
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 1 2 3 4 5 6				
▽ ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB42A	3'-6"	2'-8"
2	1	FB38A	3'-2"	2'-8"
3	1	FB42.5A	3'-6 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	10.0/20.0	0.120	145.3	6 x 1/4" x 170.6	6 x 3/16" x 145.6
	20.0/20.0	0.165	26.1	6 x 1/4" x 28.3	
RF1-2	22.0/10.0	0.120	152.0	5 x 3/16" x 240.0	5 x 3/16" x 152.5
	10.0/10.0	0.120	120.0	5 x 3/16" x 181.9	5 x 3/16" x 120.0
	10.0/22.0	0.120	150.8		5 x 3/16" x 150.4
RF1-3	20.0/20.0	0.165	27.0	6 x 1/4" x 28.3	6 x 3/16" x 163.2
	20.0/10.0	0.120	162.9	6 x 1/4" x 189.9	



MAIN FRAME ELEVATION: FRAME LINE 1 2 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.

MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620

MICHAEL R. MURPHY LICENSE No. 67131 FEB 02 2016 STATE OF FLORIDA PROFESSIONAL ENGINEER

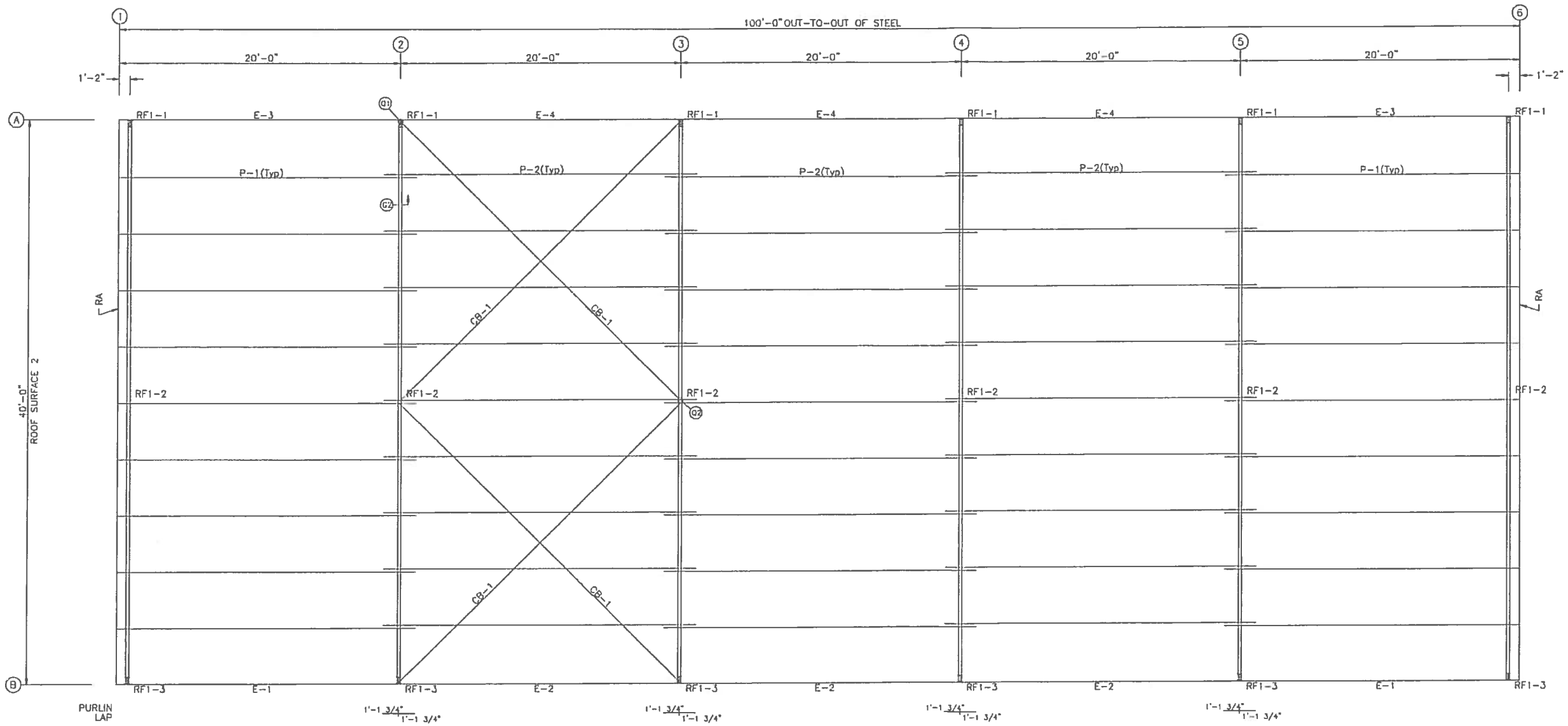
SEAL TYPE PERMITTED BY FL STATUTE 61G15-23.001

REVISIONS							
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

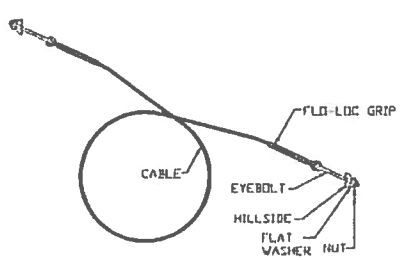
DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		TONY RICHARDS	
PROJECT	DISTRESSED BLDG 12	MAIN FRAME ELEVATION	
ID	23864	DESIGN: EJS	DRAFT: JH	CHECK
PROJECT ADDRESS	LAKE CITY, FL 32024	DATE: 1/26/16	SHEET

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	8X25Z16	21'-1 1,
P-2	8X25Z16	22'-3 1,
E-1	8E275D14	19'-11
E-2	8E275D12	19'-11
E-3	8E275D14	19'-11
E-4	8E275D12	19'-11
CB-1	0.250CBL	27'-9 1,



ROOF FRAMING PLAN



BRACE CABLE ASSEMBLY
CABLE HARDWARE FACTORY ATTACHED
SYMMETRICAL AT BOTH ENDS

MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620

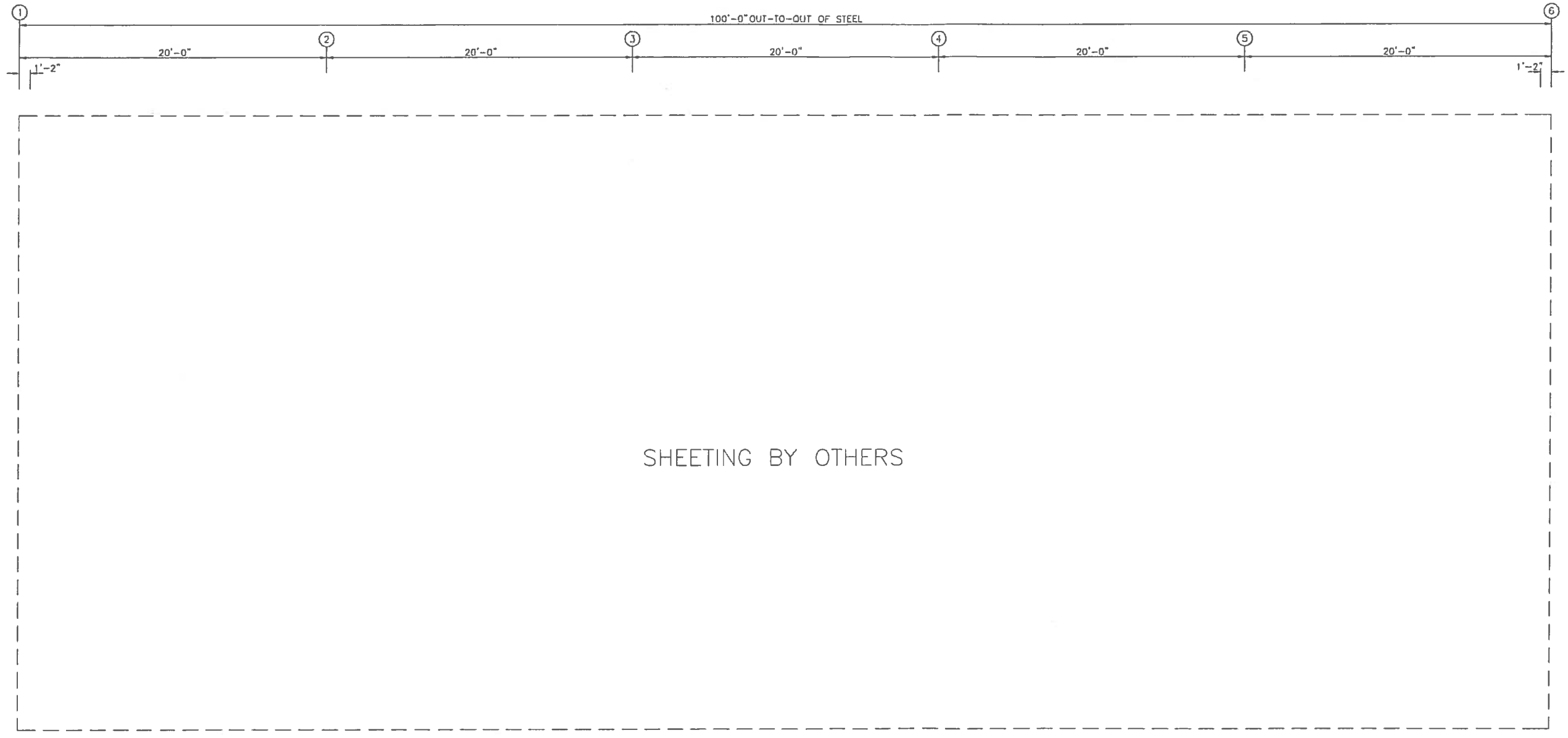
MICHAEL R. MURPHY LICENSE No. 67131 FEB 02 2016 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEAL TYPE PERMITTED BY FL STATUTE 61G15-23.001

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		TONY RICHARDS	
PROJECT	DISTRESSED BLDG 12	ROOF FRAMING	
ID	23864	DESIGN: EJS	DRAFT: JH	CHECK
PROJECT ADDRESS	LAKE CITY, FL 32024	DATE: 1/26/16	SHEET



ROOF SHEETING PLAN

PANELS: 26 Ga. PBR – Galvalume

NOTE:
CUSTOMER WILL PROVIDE
GALVALUME PBR ROOF SHEETING

MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620

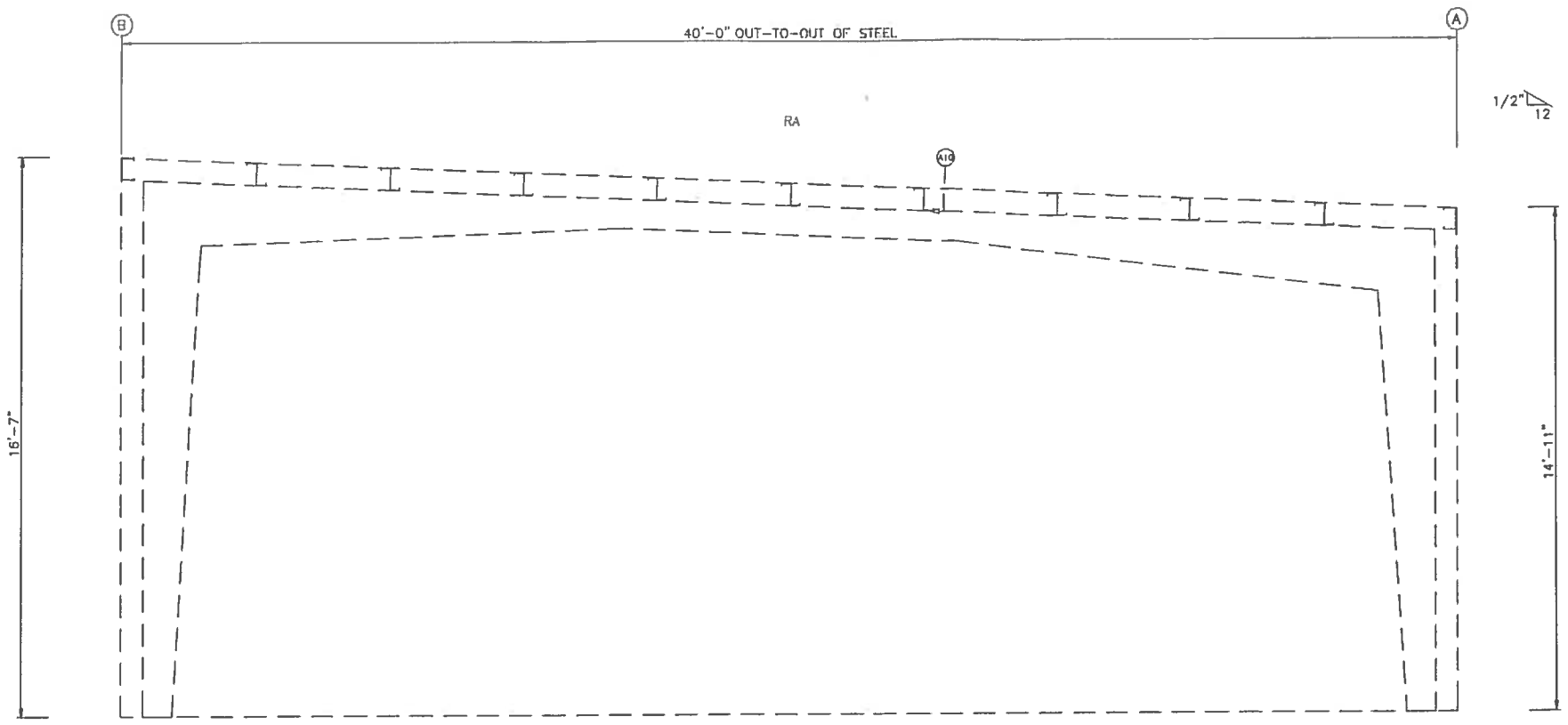
MICHAEL R. MURPHY
LICENSE
No. 67131
FEB 02 2016
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SEAL TYPE PERMITTED BY
FL STATUTE 61G15-23.00

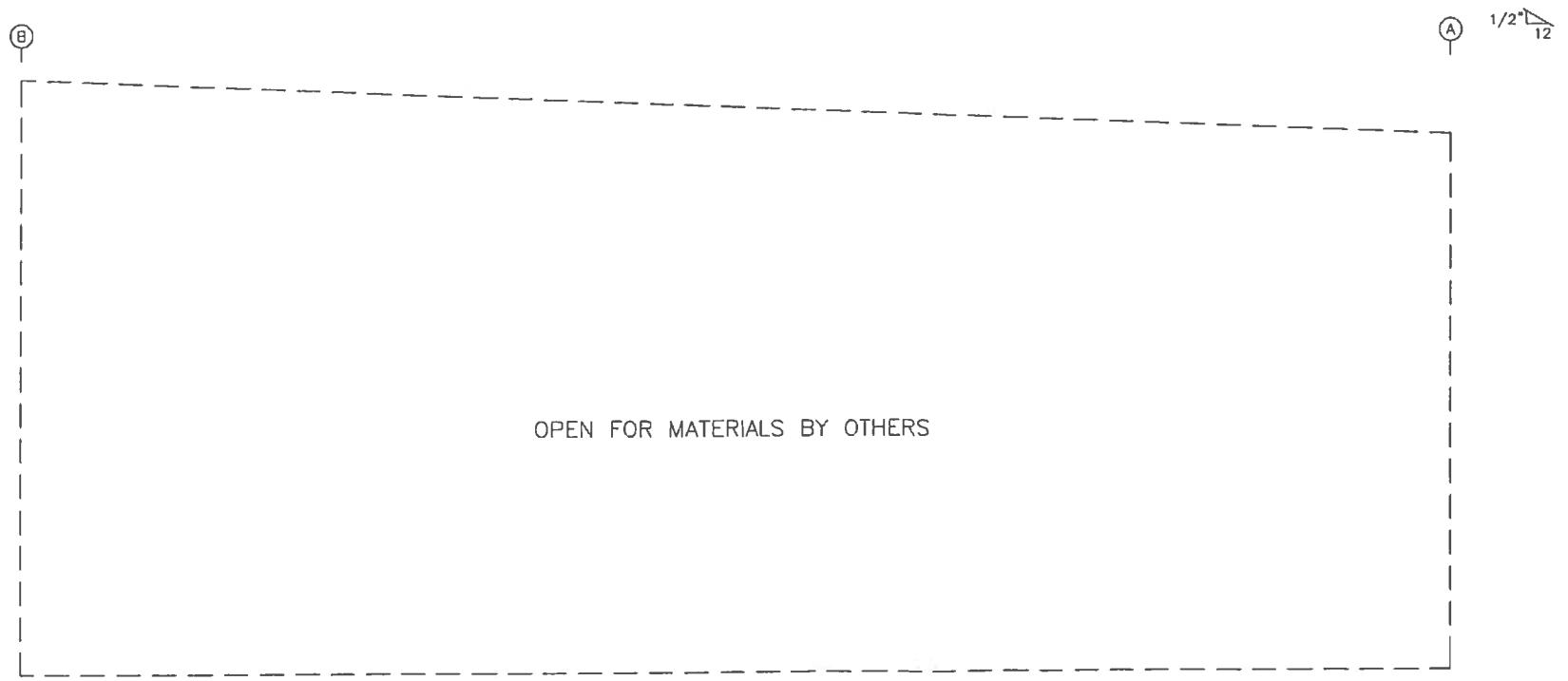
REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC	TONY RICHARDS
PROJECT: DISTRESSED BLDG 12	ROOF SHEETING
ID: 23864	DESIGN: EJS / DRAFT: JH / CHE
PROJECT ADDRESS: LAKE CITY, FL 32024	DATE: 1/26/16 / SHEET



ENDWALL FRAMING: FRAME LINE 6



ENDWALL SHEETING & TRIM: FRAME LINE 6

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING 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.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		TONY RICHARDS	
PROJECT	DISTRESSED BLDG 12	ENDWALL FRAMING	
ID	23864	DESIGN: EJS	DRAFT: JH	CHECK
PROJECT ADDRESS	LAKE CITY, FL 32024	DATE: 1/26/16	SHEET

MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620

MICHAEL R. MURPHY LICENSE No. 67131 FEB 02 2016 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEAL TYPE PERMITTED BY FL STATUTE 61G15-23.001