



ACCREDITED

AC472

VULCAN

STEEL STRUCTURES, INC.



MIAMI-DADE COUNTY
APPROVED



MBMA
METAL BUILDING MANUFACTURERS ASSOCIATION

ENGINEERING CALCULATIONS

VULCAN STEEL STRUCTURES, INC

Job Number
21741

End User
FRANK GASPARINI

Job Location:
LAKE CITY FL 32024

DATE: 10/30/12

DESIGNED BY: ZJM

DETAILED BY: SEJ/MMD

CHECKED BY: RM

DESIGN PARAMETERS	COMMENTS
BUILDING DESCRIPTION:	
NOMINAL WIDTH:	45 feet
NOMINAL LENGTH:	40 feet
EAVE HEIGHT, BACK S.W:	18 feet
EAVE HEIGHT, FRONT S.W:	18 feet
ROOF SLOPE, LEFT:	1.0:12
ROOF SLOPE, RIGHT:	1.0:12

DESIGN LOADS	SNOW :
BUILDING CODE:	FBC 10
FRAME SELF WEIGHT:	INCLUDED
ROOF DEAD LOAD:	2.000 psf
COLLATERAL LOAD:	2 psf
ROOF LIVE LOAD:	20.00 psf
FRAME LIVE LOAD:	12 psf
SNOW LOAD, ROOF:	0 psf
WIND SPEED: (3 SEC GUST)	120 mph
WIND EXPOSURE:	B
CLOSURE "C, O, P" :	Closed
RISK CATEGORY : II - Normal	
SEISMIC PARAMETERS:	
SEISMIC IMPORTANCE:	1.00
SEISMIC USE GROUP:	
SEISMIC DESIGN CATEGORY:	B
DESIGNED SPECTRAL ACCELERATION PARAMETER "SDS" - (SHORT PERIODS):	0.1291
DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" - (1 SEC PERIODS):	0.0848
MAPPED SPECTRAL RESPONSE ACCELERATION: "SS" - (SHORT PERIODS):	0.1210
MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" - (1 SEC PERIOD):	0.0530
RESPONSE MODIFICATION FACTOR:	3.5
SITE CLASS (ASSUMED) :	D
BASIC SEISMIC-FORCE RESISTING SYSTEM MOMENT RESISTING FRAME	
DESIGN BASE SHEAR : $V=C_s \cdot W$	
ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE	

DATE SENT	REASON FOR RELEASE	REVISION	DATE	BY	DESCRIPTION
A					
B					
C					
D					

FLORIDA PRODUCT APPROVAL INFORMATION

APPROVAL #

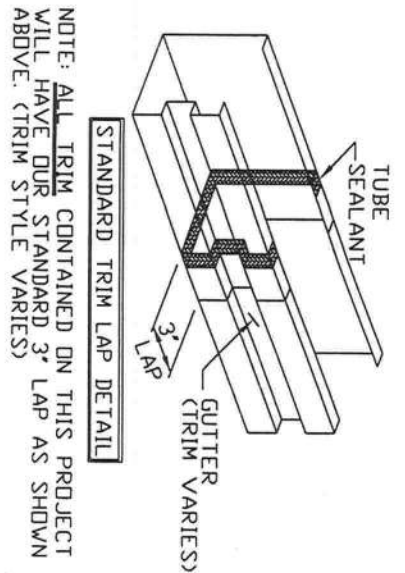
24 GA.	ROOF DL PANEL ~ Galvalume	FL11819.2
26 GA.	WALL PBR Panel PANEL ~ NEED COLOR	FL5335.1

COVERING AND TRIM COLOR TABLE

SHEETING		
ROOF PANEL:	PANEL TYPE	COLOR
GAUGE	DL	Galvalume
24 GA.		
WALL PANEL:	PANEL TYPE	COLOR
GAUGE	PBR Panel	NEED COLOR
26 GA.		
WALL TRIM COLOR:		
NEED COLOR		
GABLE TRIM COLOR:		
NEED COLOR		

SPECIAL NOTE:

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.



WIND LOADING PRESSURES CHART
(AREA <= 10 SQ.FT. FOR PANELS)
MULTIPLY x.6 FOR DESIGN VALUE

	POSITIVE	NEGATIVE (GROSS)	NEGATIVE (DESIGN)
ZONE 1 (ROOF INTERIOR)	11	-26	-16
ZONE 2 (ROOF EDGE)	11	-44	-27
ZONE 3 (ROOF CORNER)	11	-66	-40
ZONE 4 (WALL INTERIOR)	24	-26	-16
ZONE 5 (WALL EDGE)	24	-32	-20
12'x8'	21	-23	-14
LESS THAN 12'x8'	22	-24	-15

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.



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.

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

No. 67131

NOV 15 2012

FLORIDA

PROFESSIONAL ENGINEER

SEAL

FL STATE OF

FL STANDARD 81615-23.001

GENERAL NOTES

1. MATERIALS
- | | ASTM DESIGNATION |
|-------------------------------|------------------------------|
| STRUCTURAL STEEL PLATE | A529 OR A572 OR A570 OR A607 |
| COLD FORMED LIGHT GAGE SHAPES | A570 OR A607 |
| BRACE RODS | A572 |
| HOT ROLLED MILL SHAPES | ASTM A992 |
| ROOF AND WALL SHEETS | A653 OR A792 |
| BOLTS | A307, A325, AND A490 |
| BUILT-UP MEMBERS | A570 |
- GRADE 50
GRADE 55
GRADE 65, UNLESS NOTED
GRADE 50
GRADE 50
GRADE 50
UNLESS NOTED
GRADE 50 OR 55
2. STRUCTURAL PRIMER
- SHOP PRIMER PAINT IS A RUST INHIBITIVE PRIMER AND IT'S COLOR IS RED OXIDE. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS.
3. A325T BOLT TIGHTENING REQUIREMENTS
- ALL HIGH STRENGTH BOLTS ARE A325T-N UNLESS SPECIFICALLY NOTED OTHERWISE.
- STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD IN ACCORDANCE WITH THE 13th EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325T OR A490 BOLTS". PER SECTION 8.2, A325T BOLTS MAY 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 MANUF.'S STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS, THE METAL BUILDING MANUF.'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK.
- IN CASE OF DISCREPANCIES BETWEEN METAL BUILDINGS MANUF. STRUCTURAL PLANS AND PLANS FOR OTHER TRADES, THE METAL BUILDING MANUF.'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 MANUF.'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF THE METAL BUILDING MANUF.'S INTERPRETATION OF THE CONTRACT PURCHASE ORDER.
- ONCE THE BUILDER / CONTRACTOR OR A/E FIRM HAS SIGNED MANUF.'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 MANUF.'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 MANUF. 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 MANUF.'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 MANUF. DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUF. 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 MANUF. 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 MANUF.'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 MANUF. DOES NOT WARRANT STRUCTURAL INTEGRITY OF ANY COMPONENTS FIELD MODIFIED OR DESIGNED AND FABRICATED BY OTHERS. NEITHER DO WE ACCEPT DESIGN RESPONSIBILITY FOR THE EFFECTS NON STANDARD COMPONENTS DESIGNED BY OTHERS MAY HAVE ON THE SYSTEM IN GENERAL.
- AS TAKEN FROM THE THIRTEENTH EDITION OF THE AISC MANUAL PAGE 16.3-53 PARAGRAPH 7.14 - READS AS FOLLOWS "THE CORRECTION OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, GRINDINGS, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE WITH DRIFT PINS, SHALL BE CONSIDERED 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 INCLUDING 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.

THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER. THE METAL BUILDING MANUF. DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUF. 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 MANUF. IN COMPLIANCE WITH ALL REQUIREMENTS OF THE PURCHASE ORDER.

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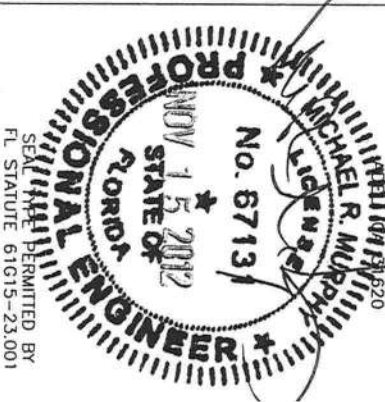
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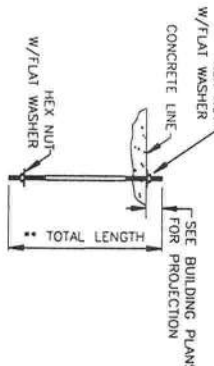
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SUITE 100
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ANCHOR BOLT NOTES:
MANUFACTURER RECOMMENDS USE OF STRAIGHT ROD ANCHOR BOLTS WITH NUT AND WASHER ON BOTH ENDS AS DEPICTED TO J-BOLTS OR ANCHOR BOLTS WITH PLATE WASHERS BECAUSE OF BETTER PERFORMANCE. RESISTANCE OF ANCHOR BOLTS SHALL BE DETERMINED BY THE FOUNDATION ENGINEER. ANY VALUES GIVEN FOR ANCHOR BOLT TOTAL LENGTHS AND/OR BOLT LENGTHS ARE SUGGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AND OTHER FACTORS.

ANCHOR BOLT SUMMARY					
Qty	Locate	Dia (in)	Total Len (in)	Pct	
4	Jamb	5/8"	9.00	3.0	
32	Endwall	5/8"	15.0	3.0	
8	Frame	3/4"	24.0	3.0	



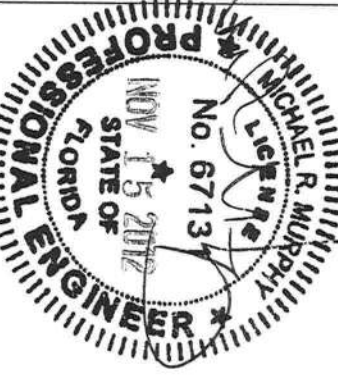
- ** 9" DOOR JAMBS 5/8" DIA.
- ** 15" FOR ALL OTHER 5/8" DIA. & DOOR JAMBS ACTING AS E.W. COLUMNS
- ** 24" ALL OTHERS

ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36 OR GRADE 55

ANCHOR BOLTS

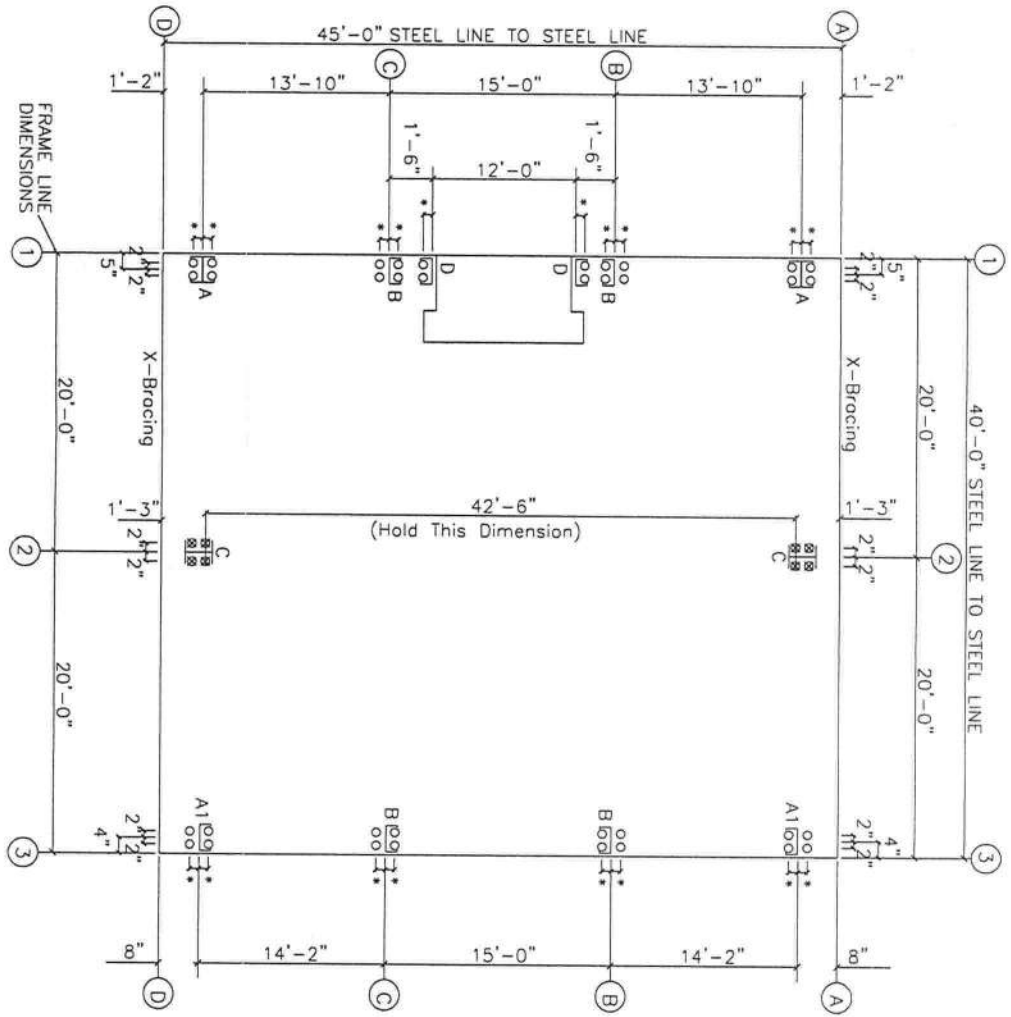
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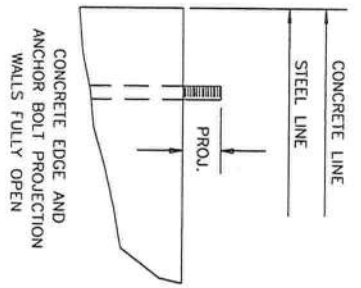
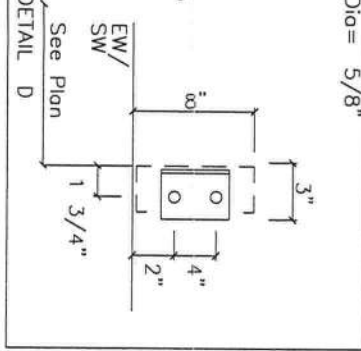
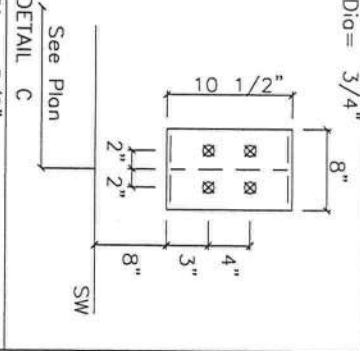
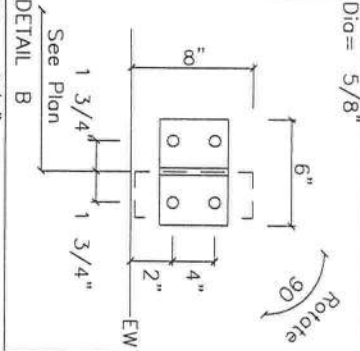
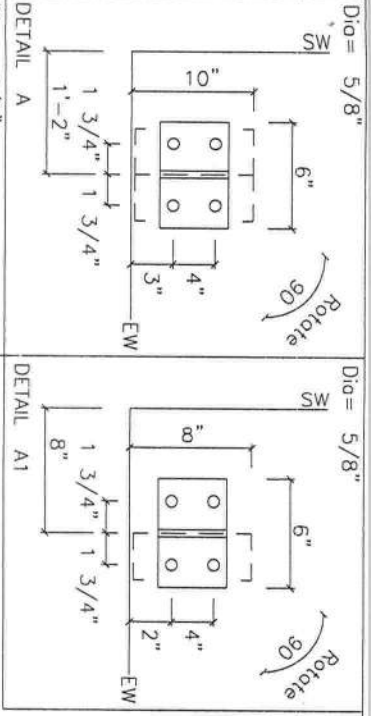
SEAL TYPE PERMITTED BY FL STATUTE 61615-23.001

REVISIONS				DRAWING STATUS				VULCAN STEEL STRUCTURES, INC		FRANK GASPARINI	
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPR		PROJECT ID	PROJECT ADDRESS	ANCHOR BOLT PLAN & DETAILS	DESIGN: J.M. DRAFT: S.E./J.M.D. CHECK: DATE: 10/30/12 SHEET 1 OF
								21741	LAKE CITY FL 32024		



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

* = 1 3/4"



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 SPECIFICATION F1554 GRADE 36 MIN. OR GRADE 55, UNLESS OTHERWISE NOTED.
- (6) VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGGESTED 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.

BUILDING BRACING REACTIONS

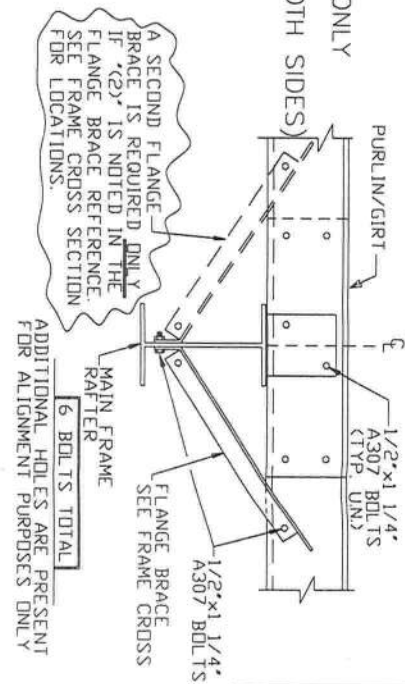
Well		Col		Reactions (k)		Panel	
Line		Line		Wind		Seismic	
Line		Line		Horz		Ver	
Line		Line		Horz		Ver	
1		1		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
2		2		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
3		3		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
4		4		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
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51		51		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
52		52		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
53		53		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
54		54		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
55		55		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
56		56		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
57		57		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
58		58		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
59		59		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
60		60		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
61		61		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
62		62		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
63		63		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
64		64		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
65		65		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
66		66		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
67		67		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
68		68		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
69		69		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
70		70		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
71		71		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
72		72		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
73		73		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
74		74		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
75		75		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
76		76		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
77		77		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
78		78		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
79		79		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
80		80		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
81		81		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
82		82		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
83		83		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
84		84		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
85		85		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
86		86		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
87		87		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
88		88		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
89		89		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
90		90		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
91		91		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
92		92		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
93		93		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
94		94		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
95		95		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
96		96		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
97		97		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
98		98		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
99		99		Bracing in Roof to Rigid Frame		Shear (lb/ft)	
100		100		Bracing in Roof to Rigid Frame		Shear (lb/ft)	

From		Col		Dead		Live		Roof		Roof	
------	--	-----	--	------	--	------	--	------	--	------	--

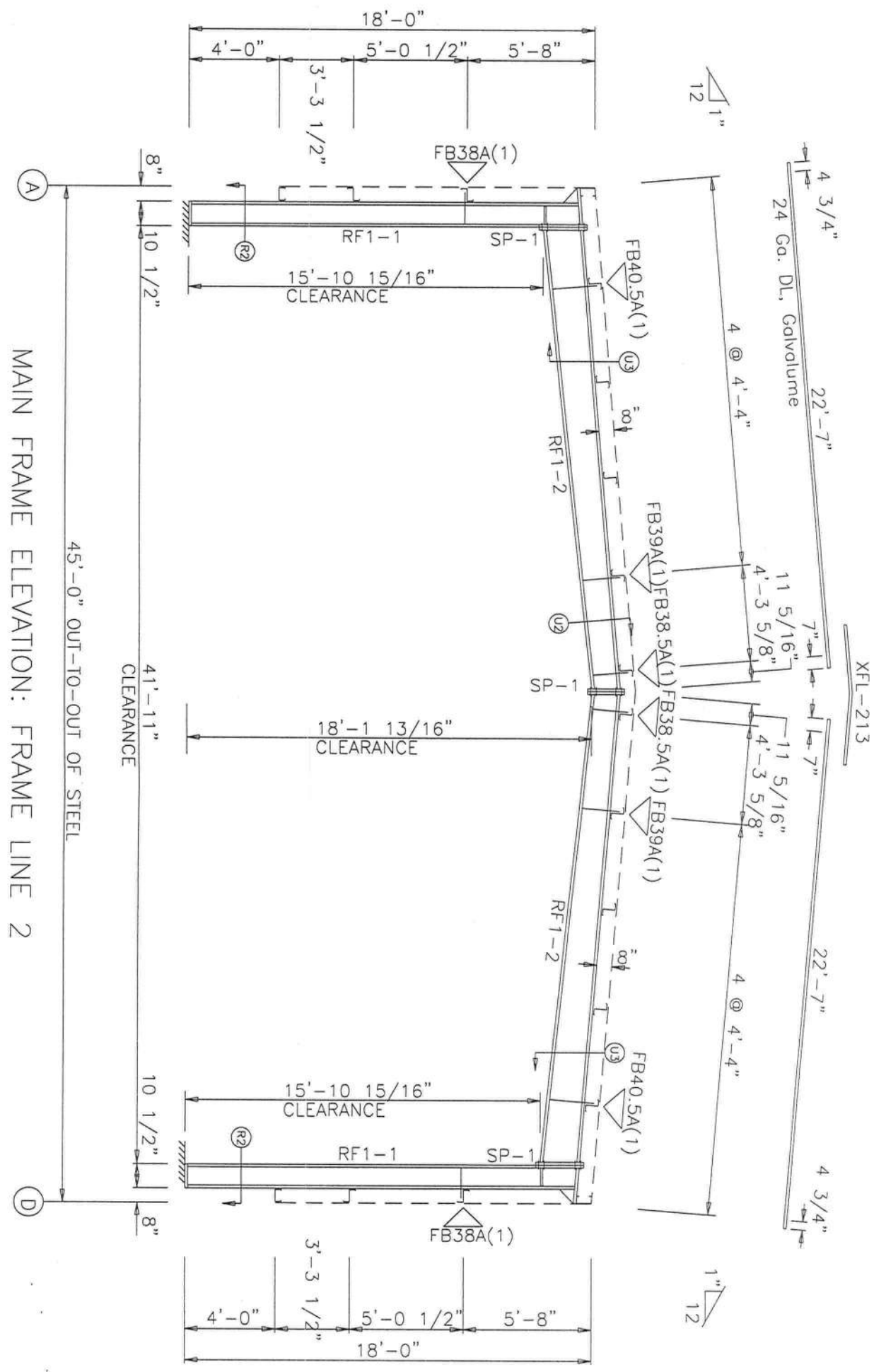
SPICE BOLT TABLE				
Mark	Qty	Top	Bot	Int Type Dia Length
SP-1	4	4	0	A325T 0.625 2.25

FLANGE BRACES:
 FBxxA(1): xx=INCHES, (1)=ONE SIDE ONLY
 A - WBL2214G

FLANGE BRACE REFERENCE KEY:
 FBxxA(1): xx=INCHES, (1)=ONE SIDE ONLY
 LOCATION(1)=ONE SIDE,(2)=(BOTH SIDES)
 FLANGE BRACE SIZE
 FLANGE BRACE LENGTH



MEMBER TABLE				
Mark	Web Depth	Web	Web Plate	Outside Flange
	Start/End	Thick	Length	W x Thk x Length
RF1-1	9.8 / 9.8	0.120	96.0	6 x 5/16" x 207.8
RF1-2	9.8 / 9.8	0.165	90.5	6 x 5/16" x 18.2
	18.0 / 15.4	0.250	22.2	
	15.4 / 12.0	0.135	108.7	5 x 1/4" x 239.2
		0.120	144.0	5 x 1/4" x 12.0
				5 x 1/4" x 239.8
				5 x 1/4" x 12.0



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	DLR	CHKR

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

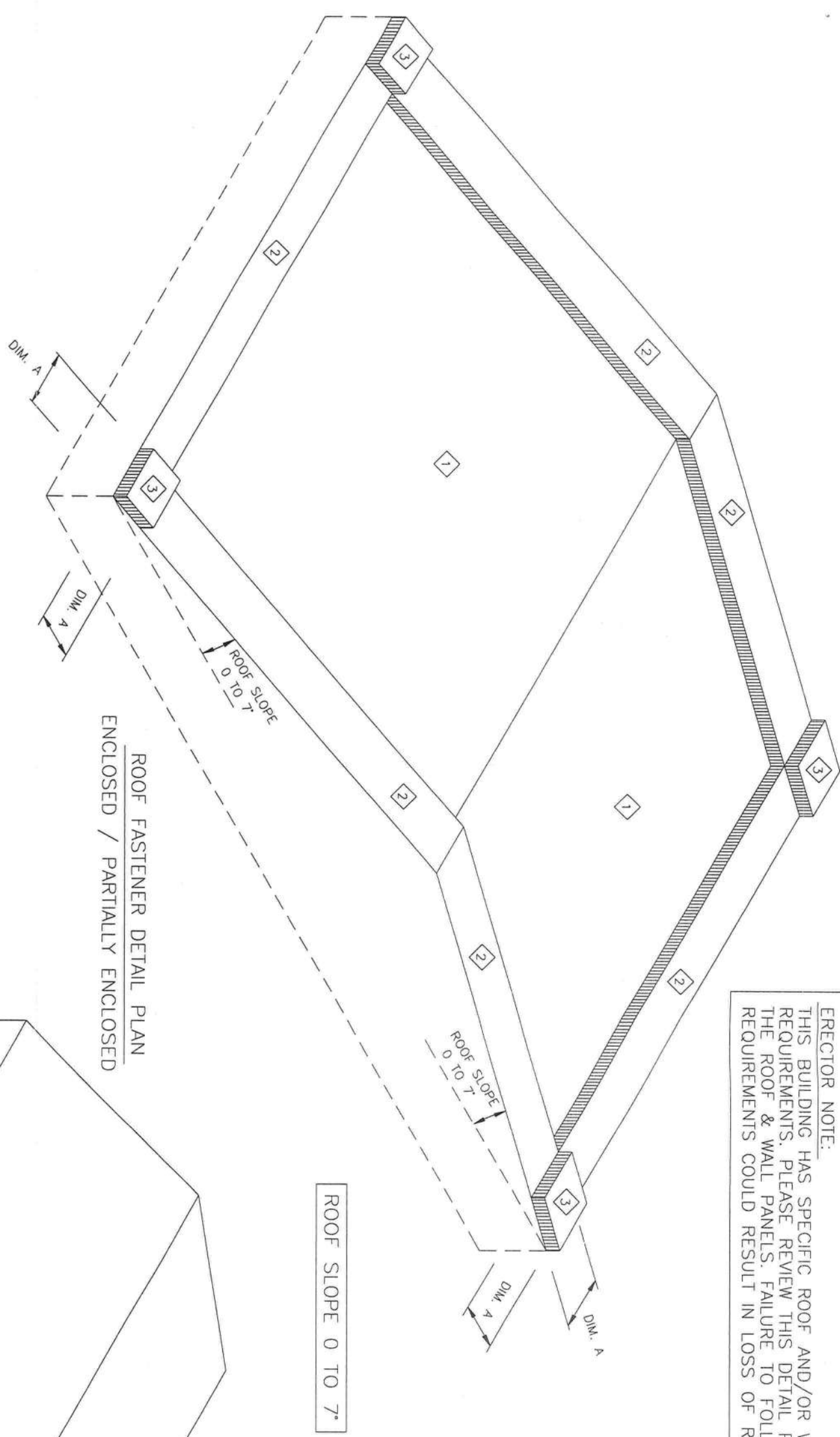
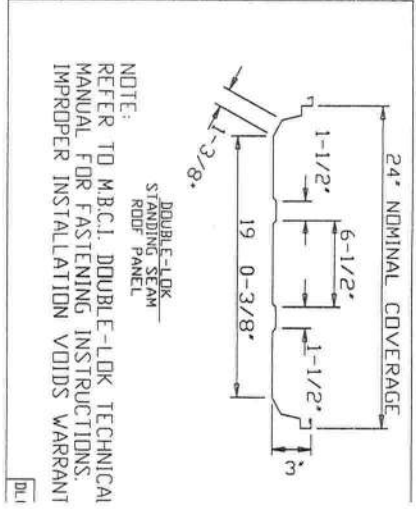
MICHAEL R. MURPHY P.E.
 FLORIDA P.E.# 67131
 500 VULCAN PARKWAY
 ADEL, GA 31620
 No. 67131
 NOV 15 2012
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA

THE PROJECT DESIGNER IS NOT THE MANUFACTURER OF THE METAL BUILDING OR THE METAL BUILDING 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 PROJECT ENGINEER OF RECORD IS THE PROJECT ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS. THE PROJECT 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.

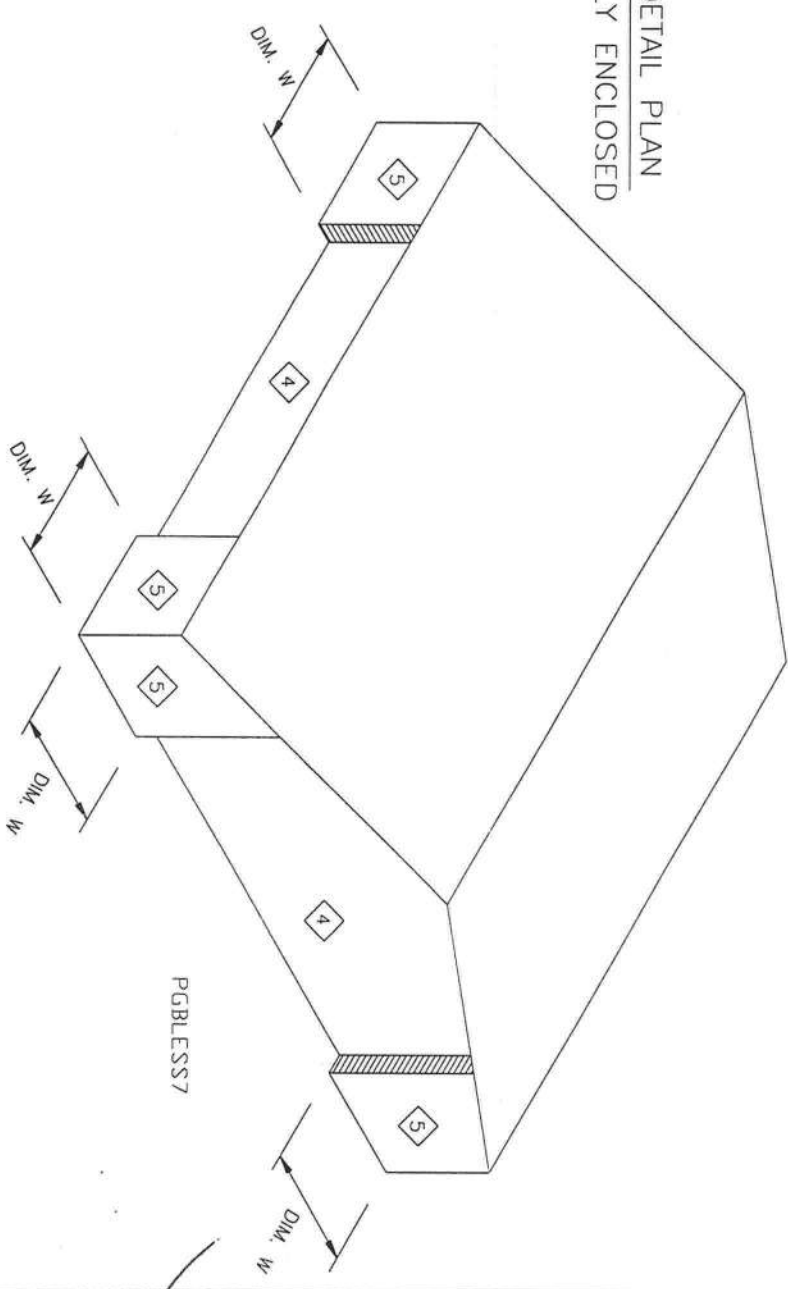
VULCAN STEEL STRUCTURES, INC.				
PROJECT	ID	PROJECT	ADDRESS	
45' x 40' x 18'	21741		LAKE CITY FL 32024	

FRANK GASPARINI
 SEAL TYPE PERMITTED BY
 FL STATUTE 61G15-23.001

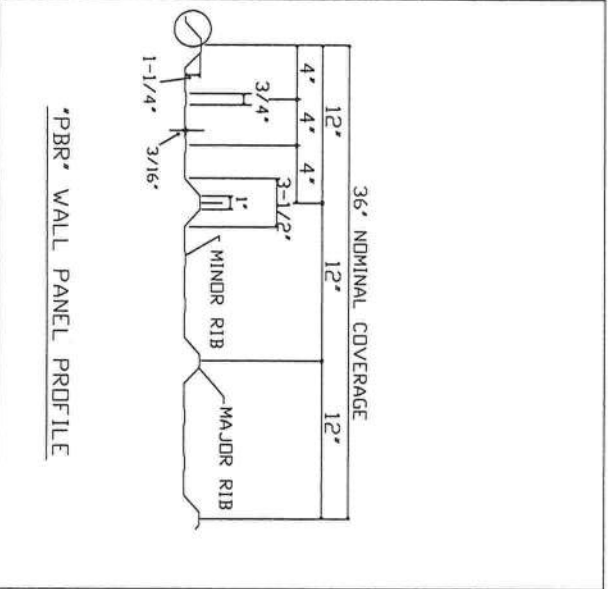
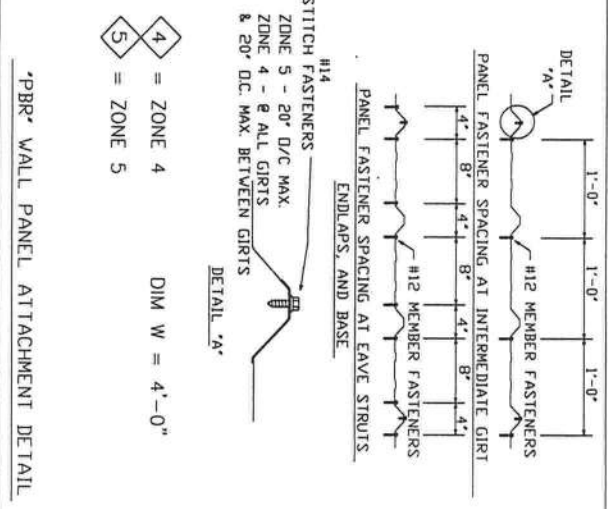
ERECTOR NOTE:
THIS BUILDING HAS SPECIFIC ROOF AND/OR WALL FASTENER REQUIREMENTS. PLEASE REVIEW THIS DETAIL PRIOR TO ERECTING THE ROOF & WALL PANELS. FAILURE TO FOLLOW THESE SPECIFIC REQUIREMENTS COULD RESULT IN LOSS OF ROOF OR WALL PANEL(S).



ROOF FASTENER DETAIL PLAN
ENCLOSED / PARTIALLY ENCLOSED



WALL FASTENER DETAIL PLAN



REVISIONS					DRAWING STATUS					VULCAN STEEL STRUCTURES, INC.			FRANK GASPARIINI		
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	[] FOR CONSTRUCTION	[x] FOR PERMIT ONLY	[] FOR APPROVAL	[] OTHER, EXPLAIN	PROJECT ID	PROJECT ADDRESS	DESIGN: ZJM	DRAFT: SEJ/WM	CHEC
											21741	LAKE CITY FL 32024			

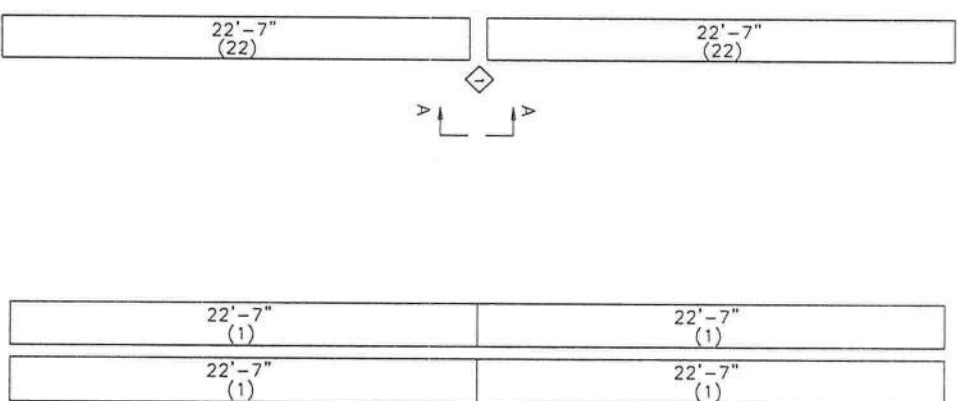
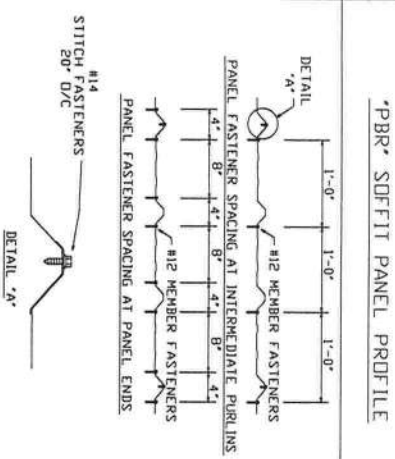
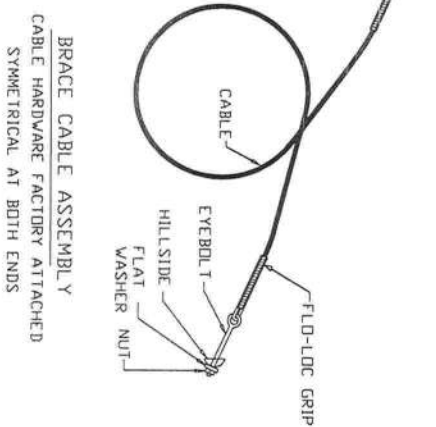
THE PROJECT DESIGNER IS NOT THE BUILDING MANUFACTURER. THE METAL B DESIGNER OR THE METAL BUILDING ENG THE ENGINEER WHOSE SEAL APPEARS (METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIG OR THE PROJECT ENGINEER OF RECORD ENGINEER WHOSE SEAL APPEARS ON T METAL BUILDING PLANS DOES NOT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

MEMBER TABLE		
MARK	ROOF PLAN	LENGTH
P-1	8X25Z16	23'-1 1/2"
P-2	8X25Z16	23'-1 1/2"
E-1	8E275D16	21'-1 1/2"
E-2	8E275D16	21'-1 1/2"
CB-3	0.250CBL	24'-10"
CB-4	0.250CBL	24'-0"
CB-5	0.250CBL	24'-9"



LEFT EW
SOFFIT

RIGHT EW
SOFFIT

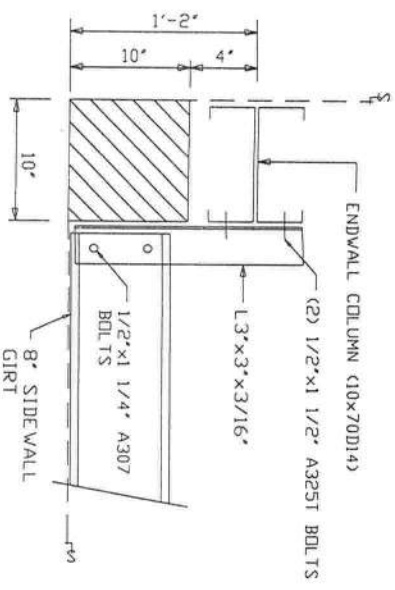
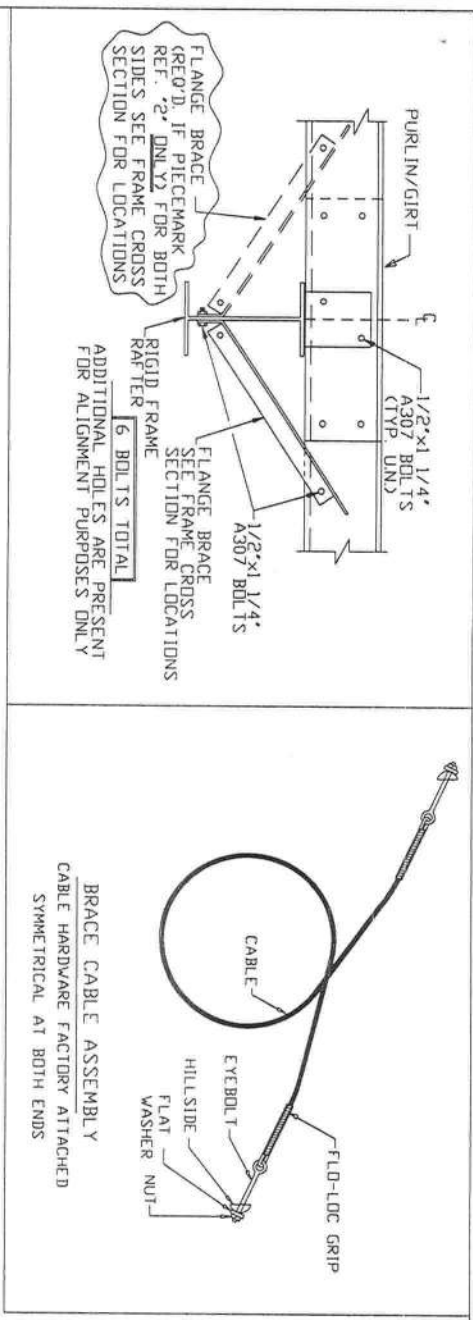
ROOF SHEETING SOFFIT SHEETING

PANELS: 24 Ga. DOUBLE LOK - PANELS: 26 Ga. PBR
Galvalume NEED COLOR

THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER. THE METAL BUILDING DESIGNER OR THE METAL BUILDING ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. AN 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

Professional Engineer Seal for the State of Florida. The seal is circular with the text "PROFESSIONAL ENGINEER" and "FLORIDA" around the perimeter. In the center, it says "NOV 15 2012". To the right, "No. 67131" and "J. MURPHY" are visible.

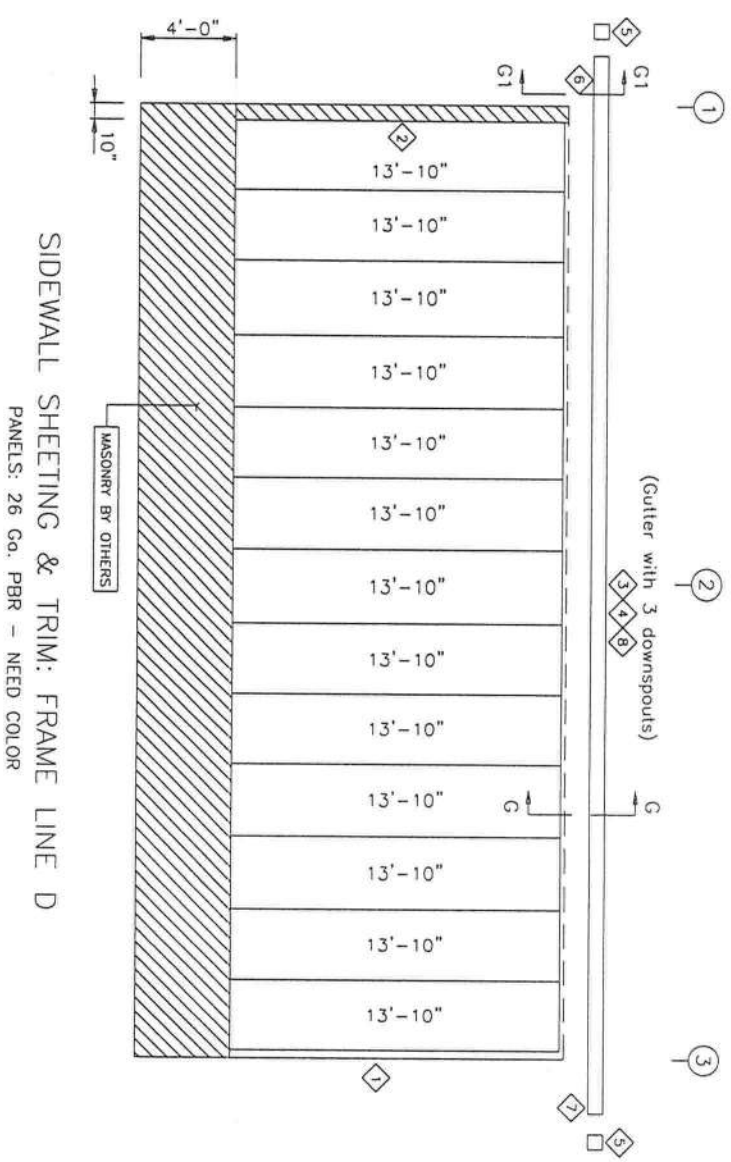
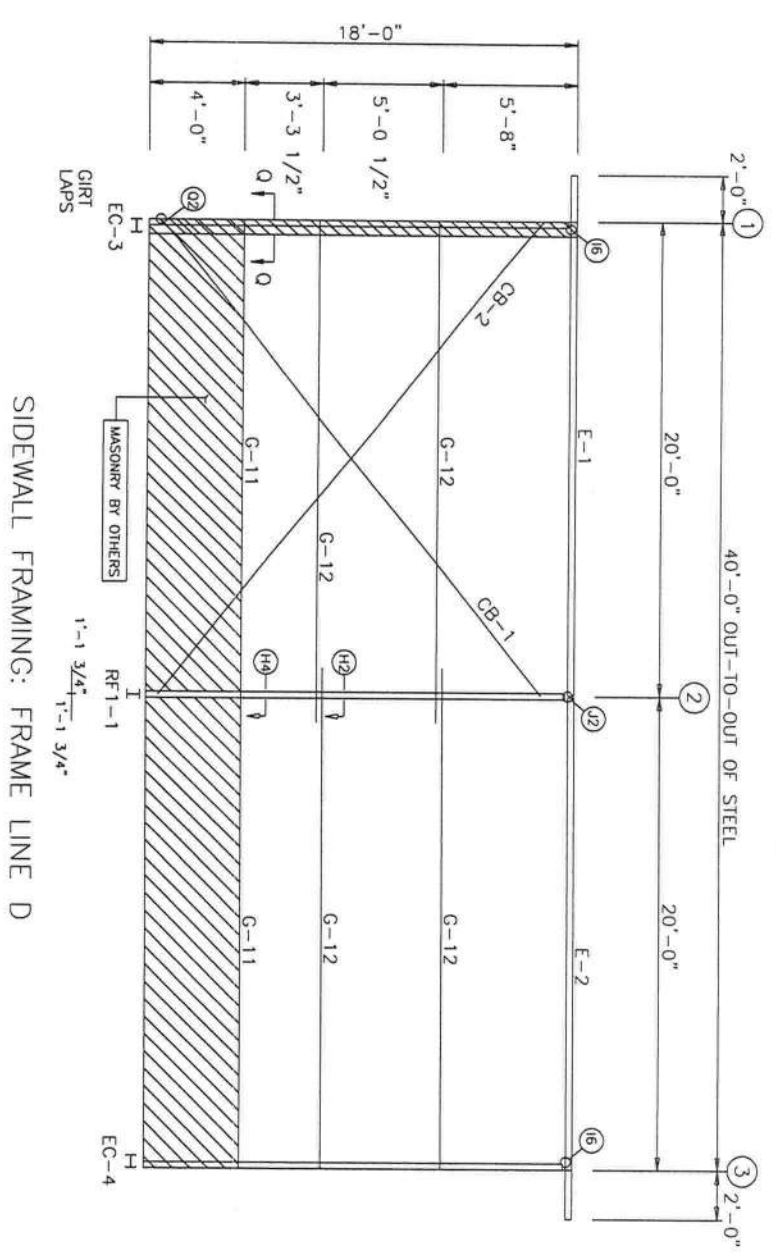


SECTION Q-Q

TRIM TABLE			
QID	MARK	LENGTH	DETAIL
1	JTR	14'-1"	TM29
2	JTR	14'-1"	SECTION
3	XFL-241A	20'-3"	SECTION
4	FL-240A	4'-3"	SECTION
5	FL-134	6'-1"	SECTION
6	GSO3	3'-1"	SECTION
7	GSO3	2'-3"	SECTION
8	XFL-272	10'-3"	SECTION

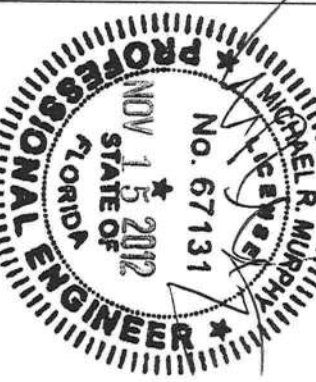
MEMBER TABLE			
FRAME LINE	PART	LENGTH	MARK
E-1	BE275D16	21'-11"	1
E-2	BE275D16	21'-11"	1
G-11	8X25C16	19'-11"	1
G-12	8X25C16	21'-11"	1
CB-1	0.250CBL	26'-0"	1
CB-2	0.250CBL	25'-6"	1

SEE SHEET NO.12 FOR SECTION G-G & SECTION G1-G1



THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER. THE METAL BUILDING DESIGNER OR THE METAL BUILDING ENGINEER WHOSE SEAL APPEARS ON THIS METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. 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



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 LONGITUDINAL FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.

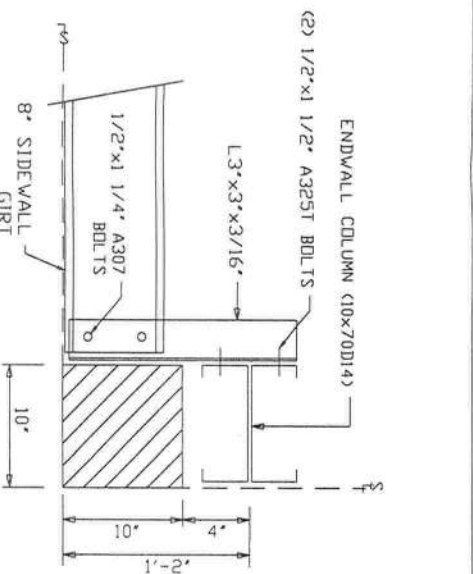
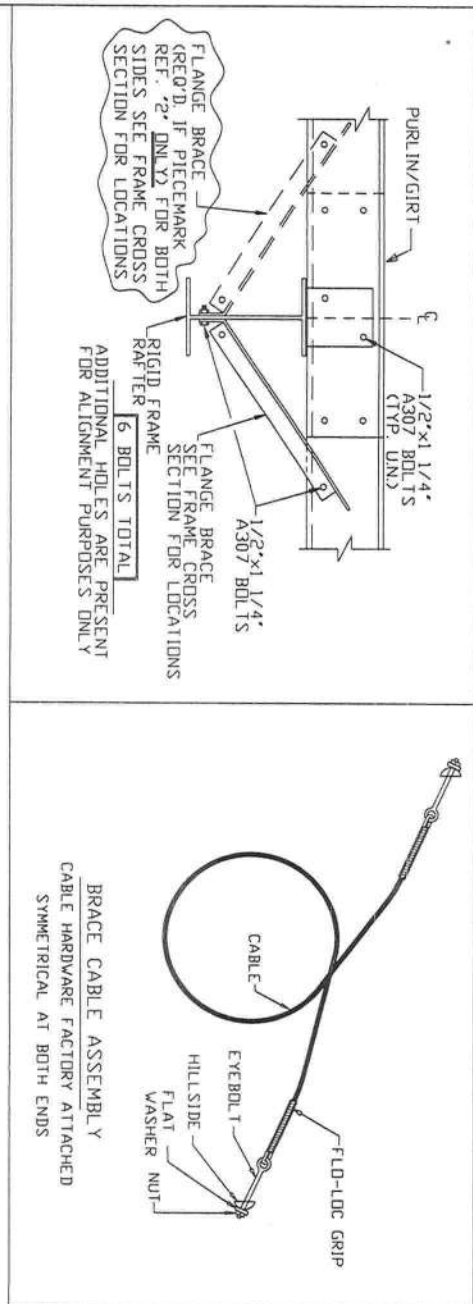
REVISIONS					
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR

DRAWING STATUS			
[] FOR CONSTRUCTION	[] FOR PERMIT ONLY	[] FOR APPROVAL	[] OTHER, EXPLAIN
PROJECT	45 x 40 x 18	PROJECT	LAKE CITY FL 32024
DATE: 10/30/12	DRAFT: SEC/JMM	CHECK:	SHEET

VULCAN STEEL STRUCTURES, INC.

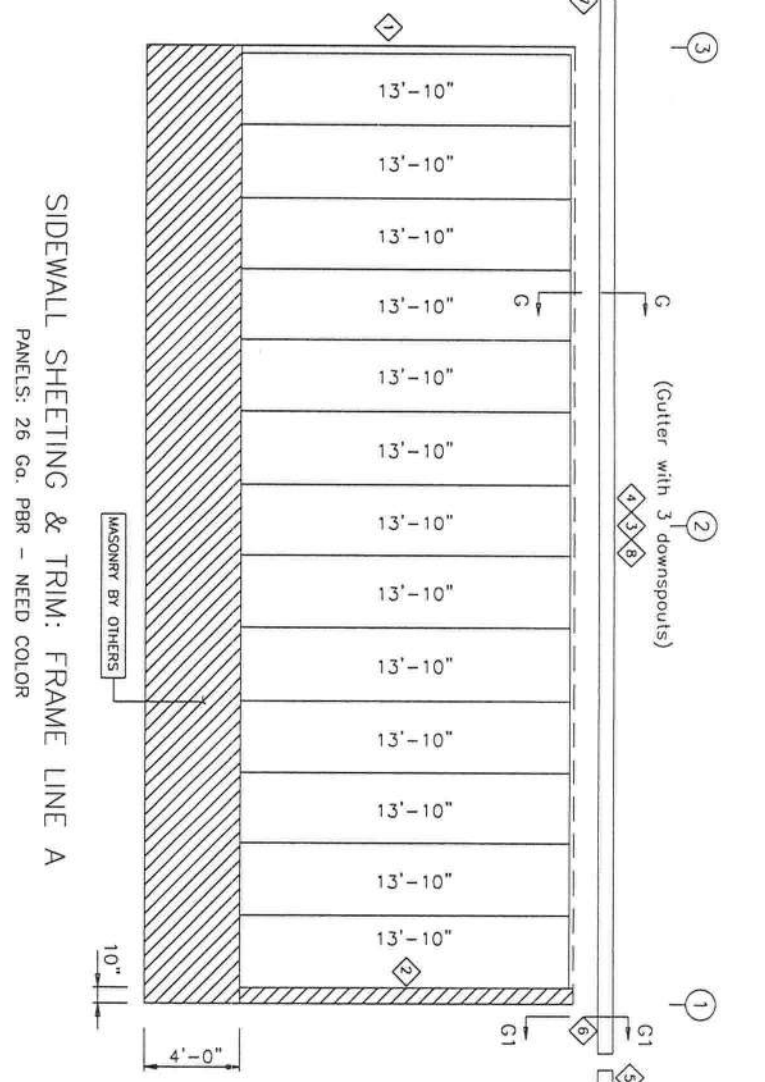
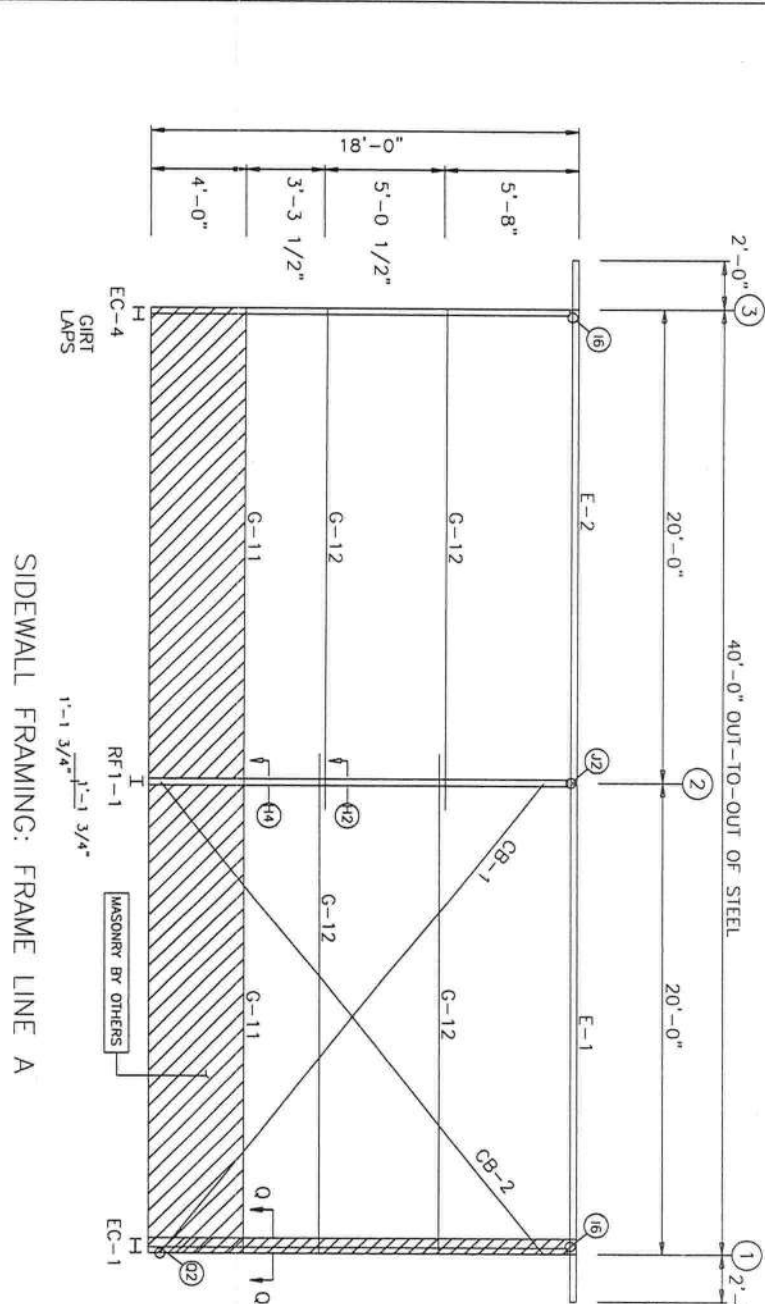
SEAL TYPE PERMITTED BY FL STATUTE 616.15-23.001

FRANK GASPARIANI



FIRM TABLE			
FRAME LINE A			
ID	MARK	LENGTH	DETAIL
1	CTR	14'-1"	TW29
2	JTR	14'-1"	SECTION
3	XFL-241A	20'-3"	SECTION
4	FL-240A	4'-3"	SECTION
5	FL-134	6"	SECTION
6	GSO3	3'-1"	SECTION
7	GSO3	2'-3"	SECTION
8	XFL-272	10'-3"	SECTION

MEMBER TABLE			
FRAME LINE A			
MARK	PART	LENGTH	
E-1	BE2/5D16	21'-11"	1
E-2	BE2/5D16	21'-11"	1
G-11	8X25C16	19'-11"	1
G-12	8X25C16	21'-11"	1
CB-1	0.250CBL	26'-0"	1
CB-2	0.250CBL	25'-6"	1



THE PROJECT DESIGNER IS NOT THE M BUILDING MANUFACTURER, THE METAL E THE ENGINEER WHOSE SEAL APPEARS (METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESI OR THE PROJECT ENGINEER OF RECOR ENGINEER WHOSE SEAL APPEARS ON T METAL BUILDING PLANS DOES NOT HAV FAMILIARITY WITH THE PHYSICAL JOBSI LOCATION AND THEREFORE CANNOT BE IDENTIFIED AS, SERVE AS OR QUALIFY / THE PROJECT DESIGNER.

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

NOV 15 2012
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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 LONGITUDINAL FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.

REVISIONS				
REV.	DESCRIPTION	DATE	DLR	CHKR

DRAWING STATUS				


VULCAN STEEL STRUCTURES, INC.	PROJECT	45 x 40 x 18
	ID	21741
	PROJECT	LAKE CITY FL 32024

FRANK GASPARIANI	SIDEWALL FRAMING	DESIGN: ZJM	DRAFT: SE/J/MWD	CHEC
		DATE: 10/30/12		SHEET

SEAL TYPE PERMITTED BY
FL STATUTE 61G15-23.001

TRIM TABLE		
FRAME LINE 1		
QID	MARK	LENGTH
1	JTR	14'-1"
2	XFL-111	20'-3"
3	XFL-110	2'-10"
		SECTION
		SECTION

[illegible]





GENERAL NOTES:

[illegible]

DRAWING STATUS
☐ FOR CONSTRUCTION
☒ FOR PERMIT ONLY
☐ FOR APPROVAL
☐ OTHER, EXPLAIN _____

VULCAN STEEL STRUCTURES, INC	
PROJECT	45 x 40 x 18
ID	21741
PROJECT ADDRESS	LAKE CITY FL 32024

FRANK GASPARINI	
ENDWALL FRAMING	
DESIGN: ZJM	DRAFT: SEJ/MMD
DATE: 10/30/12	SHEET

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

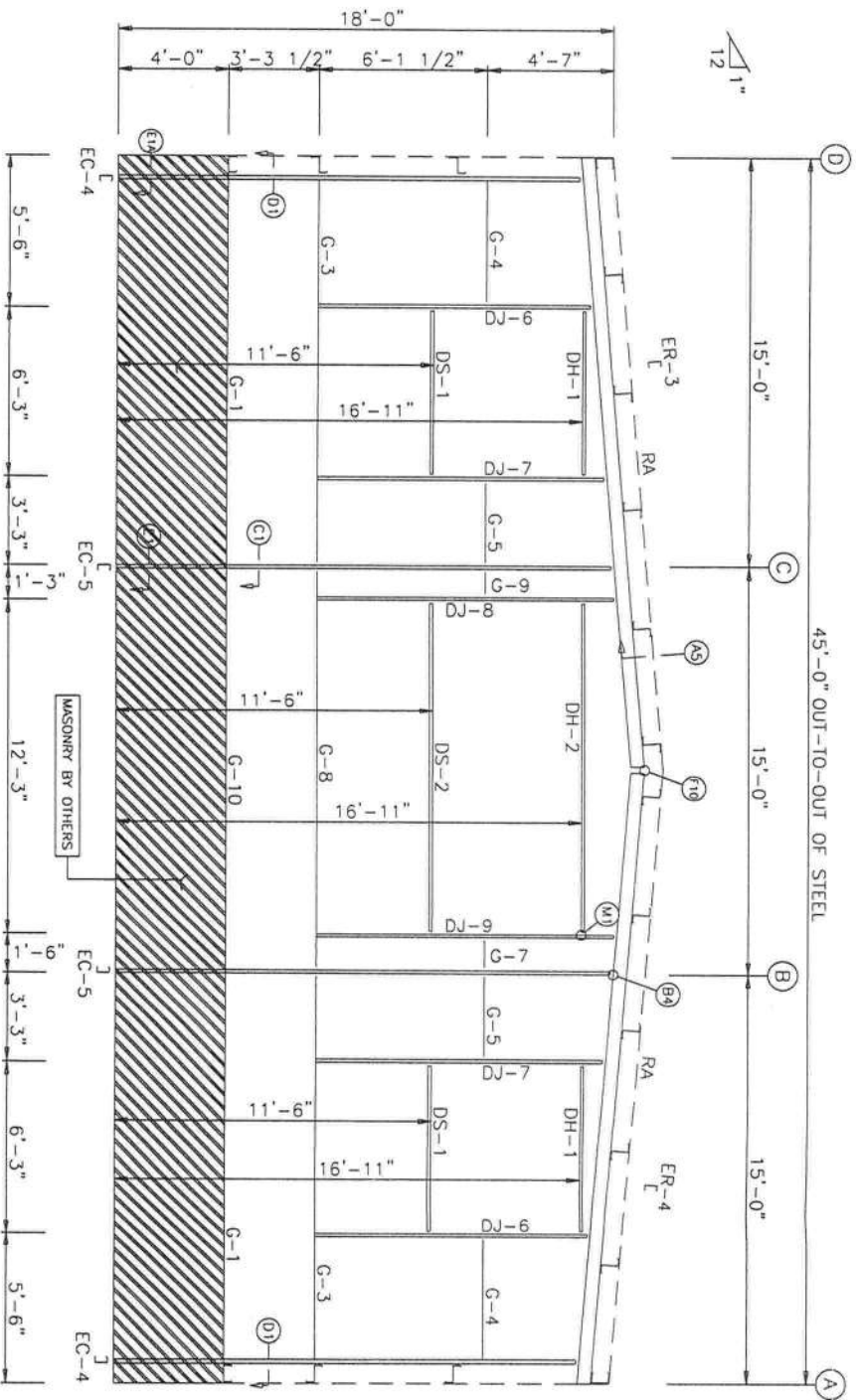
MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620

A circular professional engineer seal for Michael R. Murphy, No. 67131, State of Florida. The seal features the text "MICHAEL R. MURPHY", "No. 67131", "NOV 15 2012", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER" around the perimeter. A signature is written across the seal.

MEMBER TABLE			
MARK	PART	LENGTH	
EC-4	8x35C16	16'-7 5/8"	
EC-5	8x35C13	17'-9 15/16"	
ER-3	8x25C14	22'-6 15/16"	
ER-4	8x35C16	22'-6 15/16"	
DJ-6	8x35C16	9'-4 15/16"	
DJ-7	8x35C16	9'-11 3/16"	
DJ-8	8x35C16	10'-3 11/16"	
DJ-9	8x35C16	10'-3 15/16"	
DH-1	8x35C16	6'-3"	
DH-2	8x35C16	12'-3"	
DS-1	8x35C16	6'-3"	
DS-2	8x35C16	12'-3"	
G-1	8x25C16	14'-0"	
G-3	8x25C16	14'-0"	
G-4	8x25C16	4'-2 1/2"	
G-5	8x25C16	2'-11 3/16"	
G-7	8x25C16	10'-1 1/2"	
G-8	8x25C16	14'-4 1/2"	
G-9	8x25C16	7'-1 1/2"	
G-10	8x25C16	14'-4 1/2"	

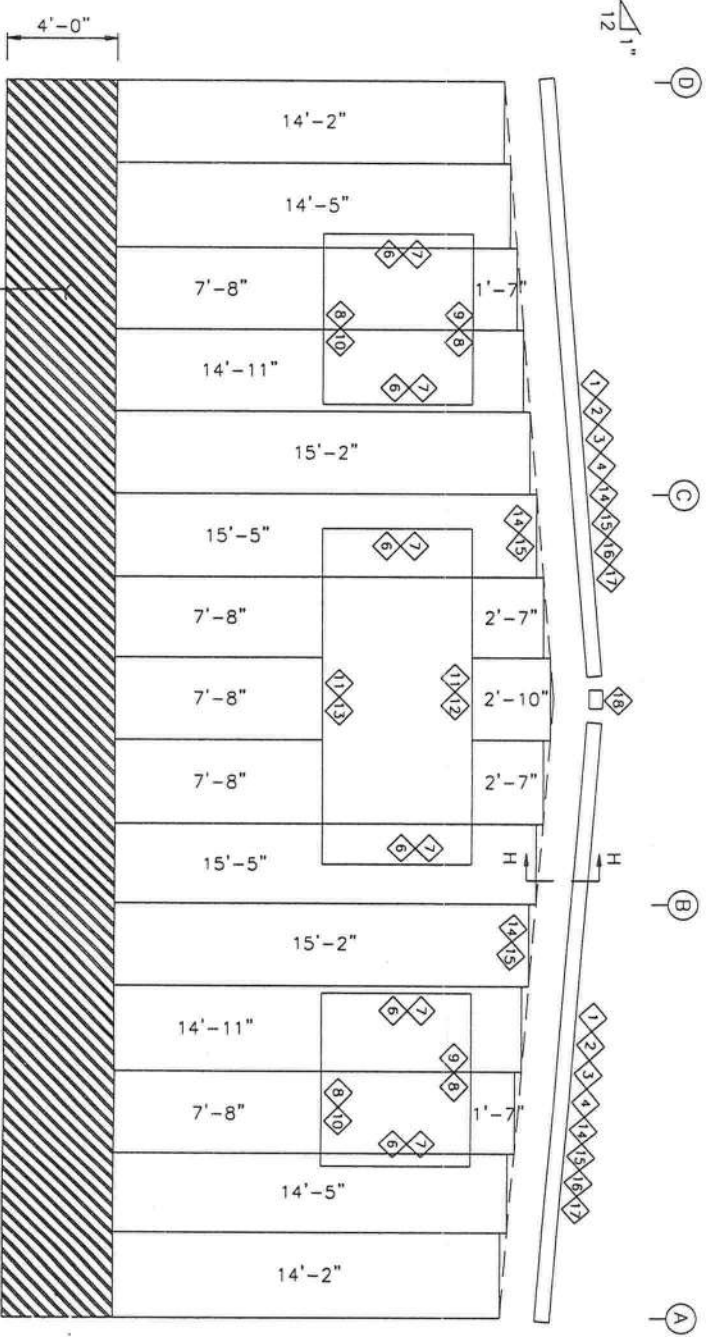
BOLT TABLE			
LOCATION	QUAN	TYPE	DIA
ER-3/ER-4	4	A325	5/8"
Columns/Ref	4	A325	1/2"
Jamb	2	A325	1/2"

TRIM TABLE			
ITEM	MARK	LENGTH	DETAIL
1	XFL-111	20'-3"	SECTION
2	XFL-110	2'-10"	SECTION
3	XFL-115	10'-3"	SECTION
4	XFL-115	2'-10"	SECTION
5	JCT	5'-8"	TM31
6	JCT	5'-8"	TM31
7	JCT	6'-6"	TM33
8	JCT	6'-6"	TM33
9	HT	6'-9"	TM33
10	HT	6'-9"	TM33
11	JCT	12'-6"	TM33
12	HT	12'-9"	SECTION
13	HT	12'-9"	SECTION
14	HT	20'-3"	SECTION
15	HT	20'-3"	SECTION
16	OAT-4	2'-10"	SECTION
17	OAT-4	2'-10"	SECTION
18	FL-120	1'-6"	SECTION



ENDWALL FRAMING: FRAME LINE 3

SEE SHEET NO.12 FOR SECTION H-H



ENDWALL SHEETING & TRIM: FRAME LINE 3

PANELS: 26 Ga. PBR - NEED COLOR

GENERAL NOTES:

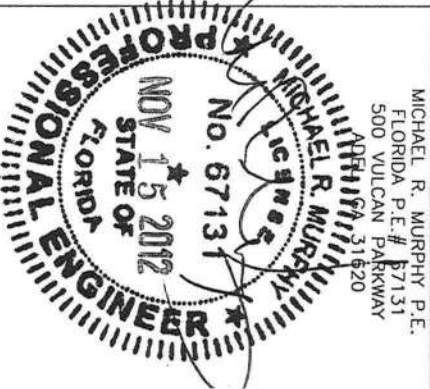
(1) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST LONGITUDINAL FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.

REVISIONS					
REV.	DESCRIPTION	DATE	DWR	CHKR	APPR

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

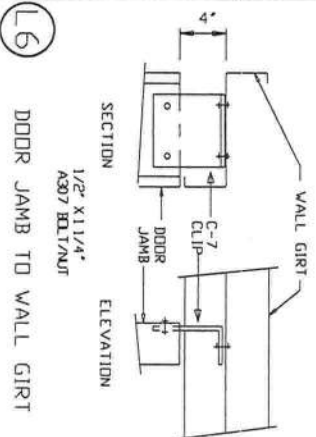
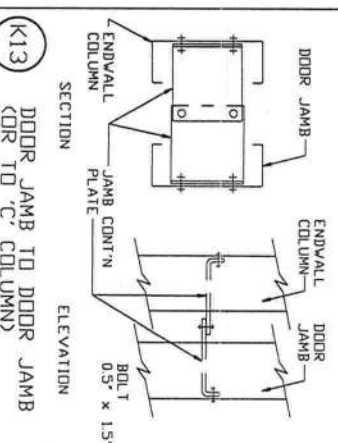
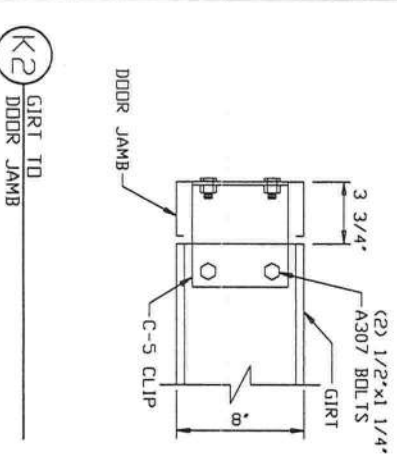
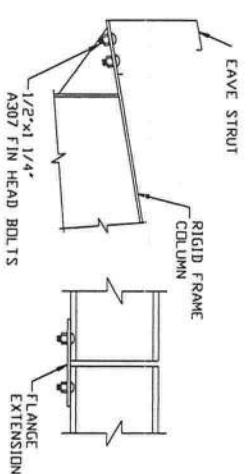
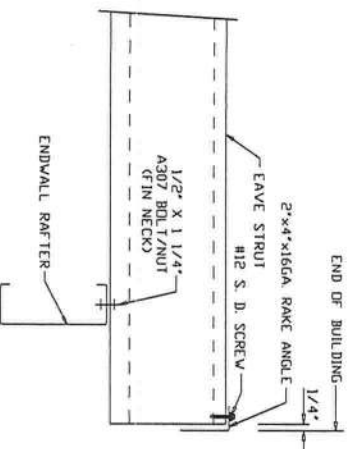
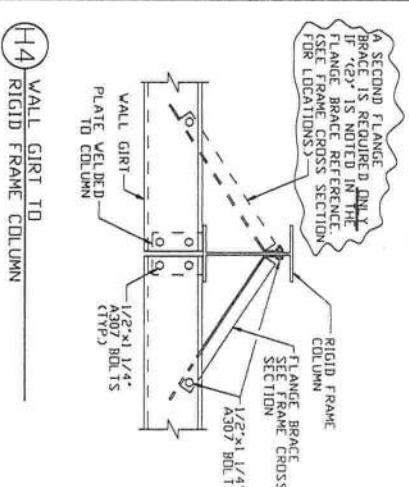
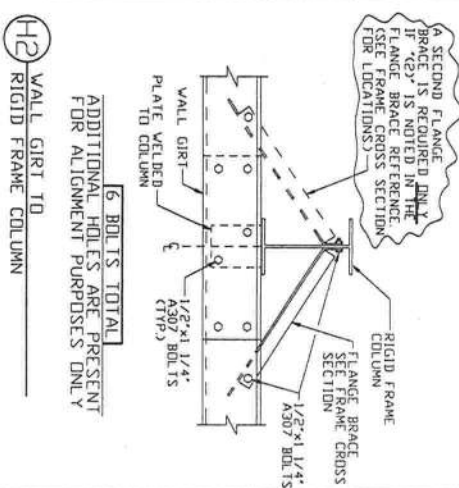
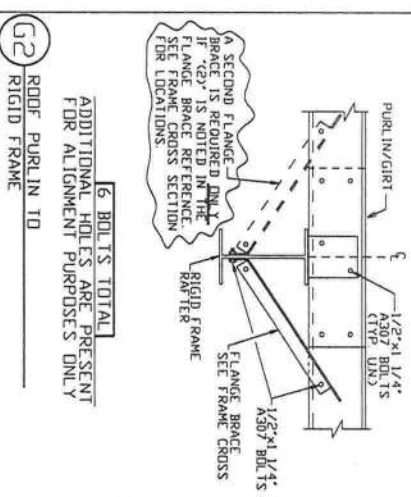
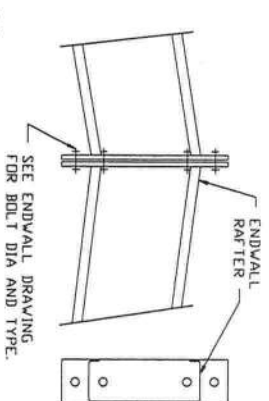
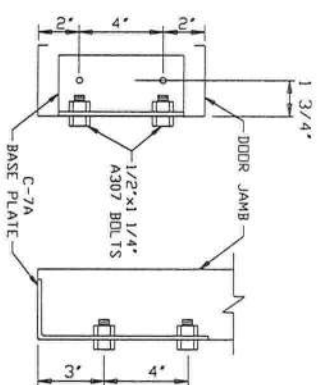
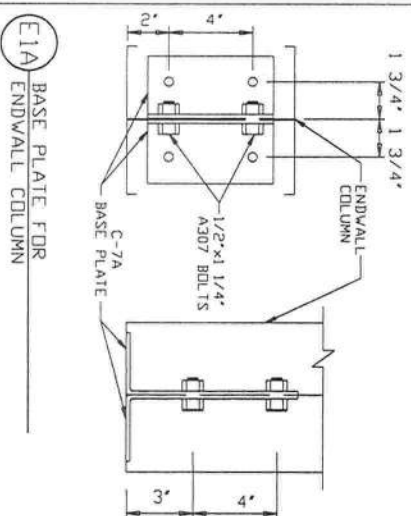
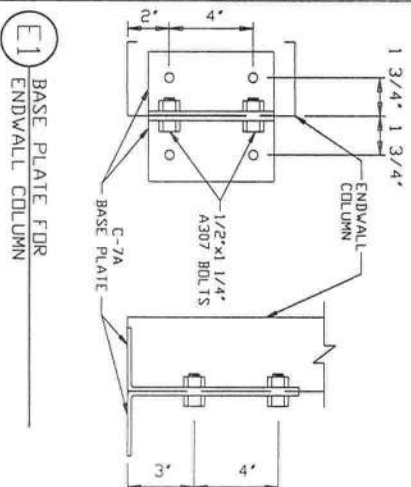
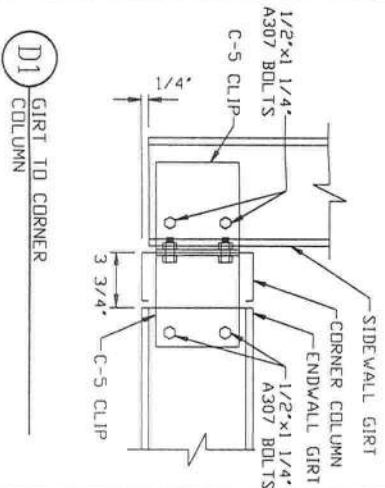
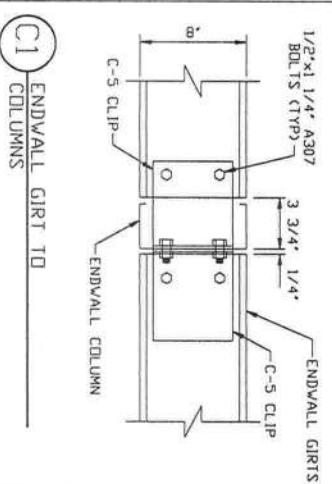
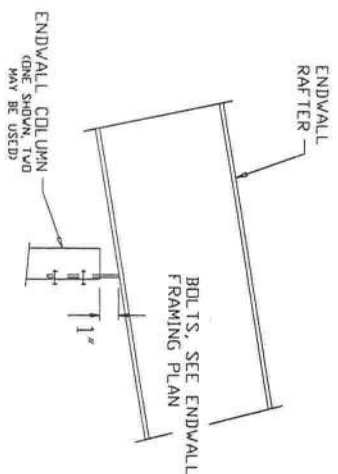
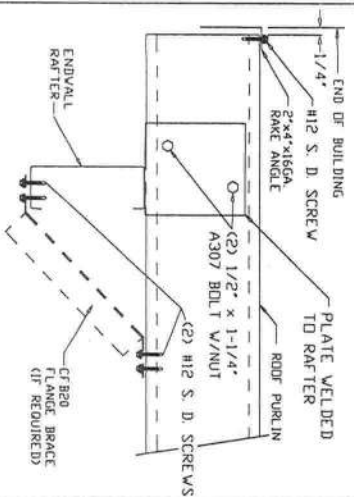
VULCAN STEEL STRUCTURES, INC	
PROJECT	45' x 40' x 18'
ID	21741
PROJECT	LAKE CITY FL 32024

FRANK GASPARI	ENDWALL FRAMING
DESIGN: JMM	DRAW: SEC/JMM
DATE: 10/30/12	SHEET
	9



THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER. THE METAL BUILDING MANUFACTURER'S SEAL APPEARS ON METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE PROJECT 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.

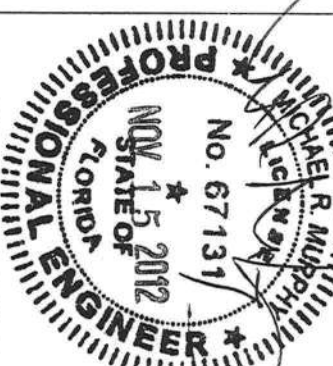
MICHAEL R. MURPHY P.E.
 FLORIDA P.E.# 67131
 500 VULCAN PARKWAY
 AUSTIN, TX 78741
 512-316-2020

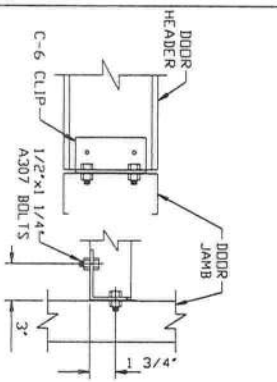
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DATE: 10/30/12	SHEET

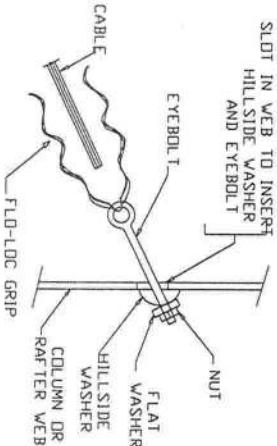
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MICHAEL R. MURPHY P.E.
FLORIDA P.E.#167131
500 VULCAN PARKWAY
ADEL, GA 31620

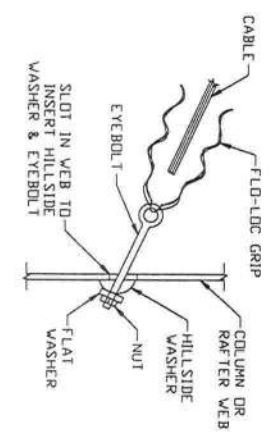




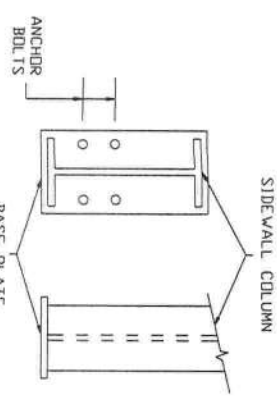
M1 DOOR HEADER TO DOOR JAMB



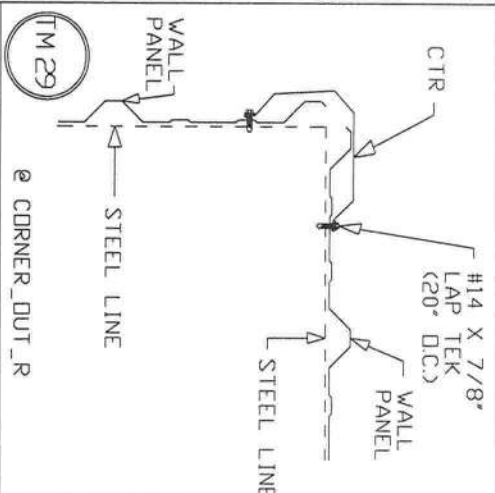
Q1 DIAGONAL CABLE, EYEBOLT END



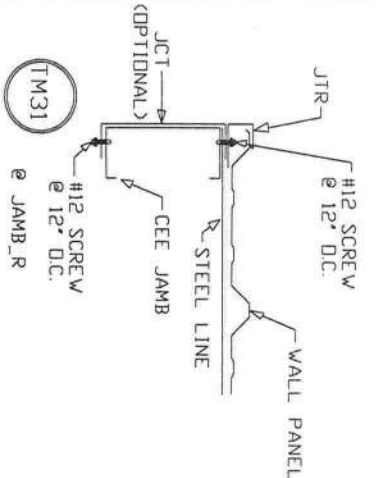
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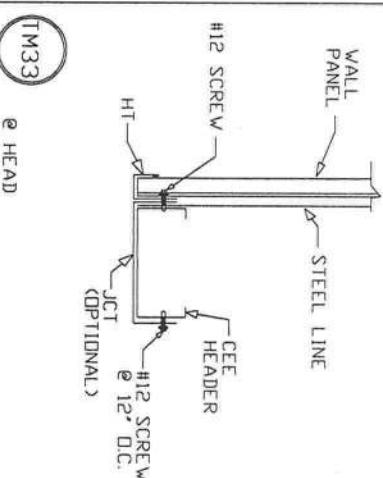
R2 ANCHOR BOLTS AT SIDEWALL COLUMN



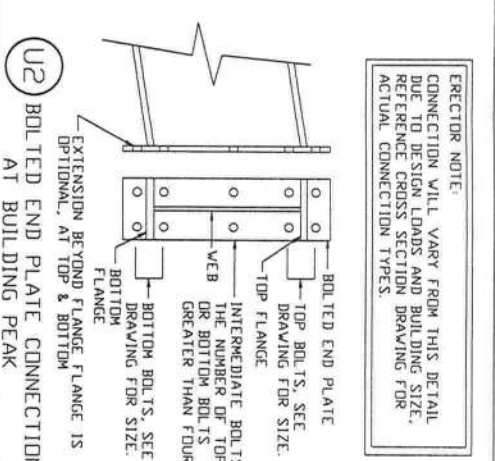
TM29 CORNER OUT



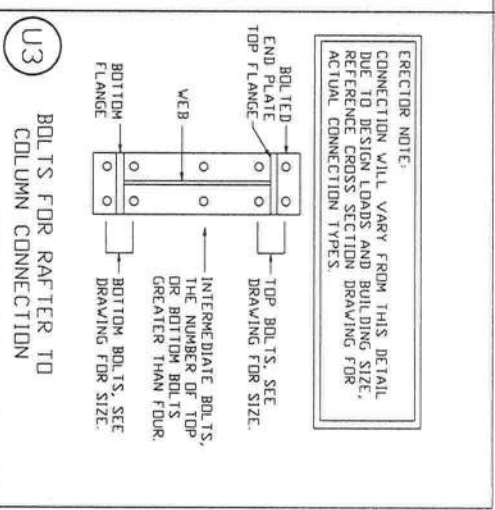
TM31 JAMB



TM33 HEAD



U2 BOLTED END PLATE CONNECTION AT BUILDING PEAK



U3 BOLTS FOR RAFTER TO COLUMN CONNECTION

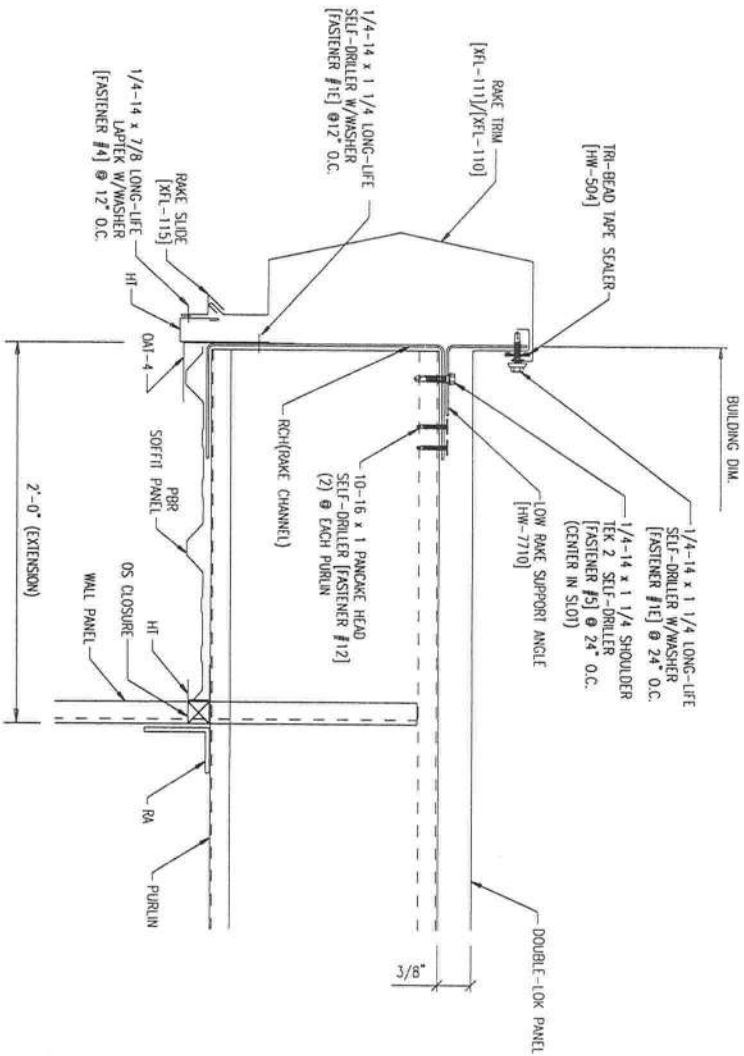
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MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620

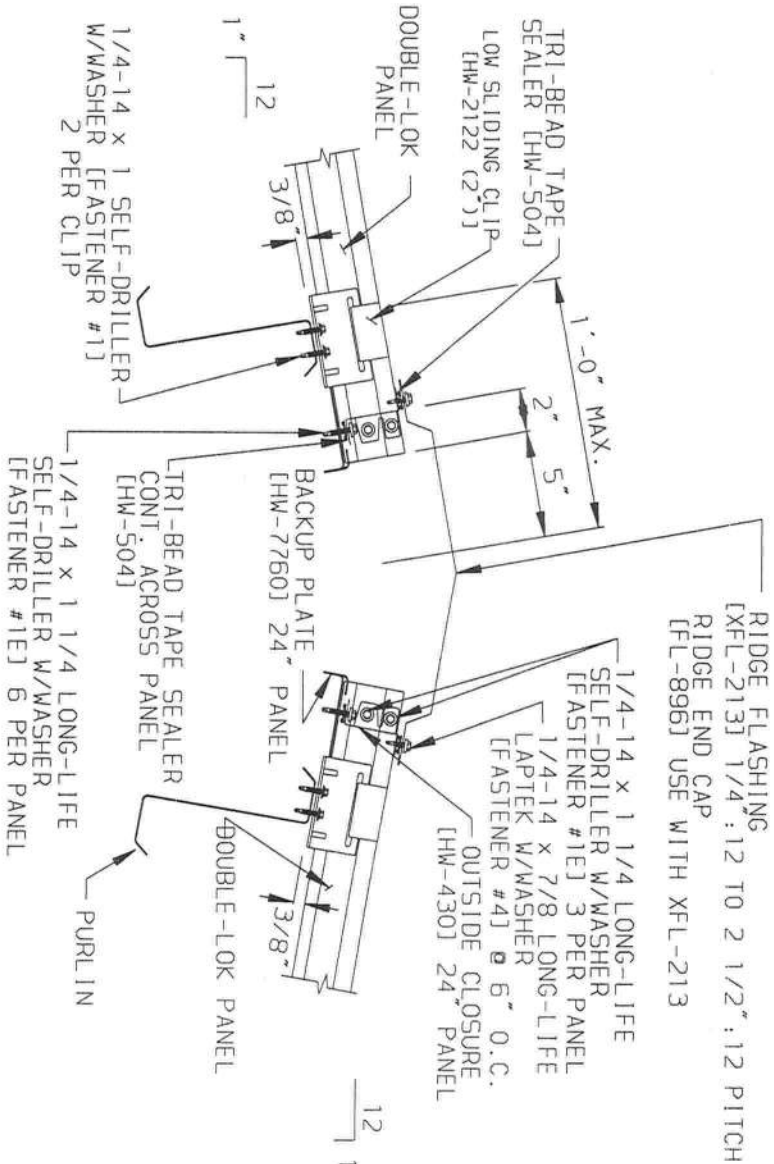


SEAL TYPE PERMITTED BY FL STATUTE 61615-23.001

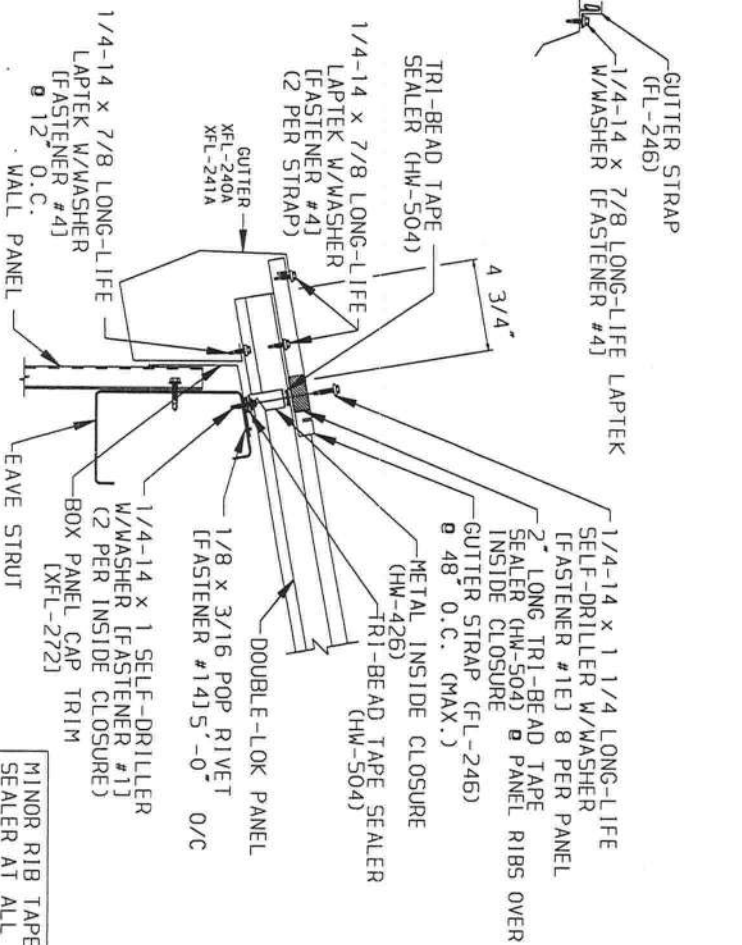
REVISIONS					DRAWING STATUS			VULCAN STEEL STRUCTURES, INC			FRANK GASPARINI		
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							(X) FOR PERMIT ONLY	21741		DESIGN: ZJM			
							() FOR APPROVAL			DRAFT: SEJ/MMD			
							() OTHER, EXPLAIN						
								PROJECT	LAKE CITY FL 32024				
								ADDRESS					



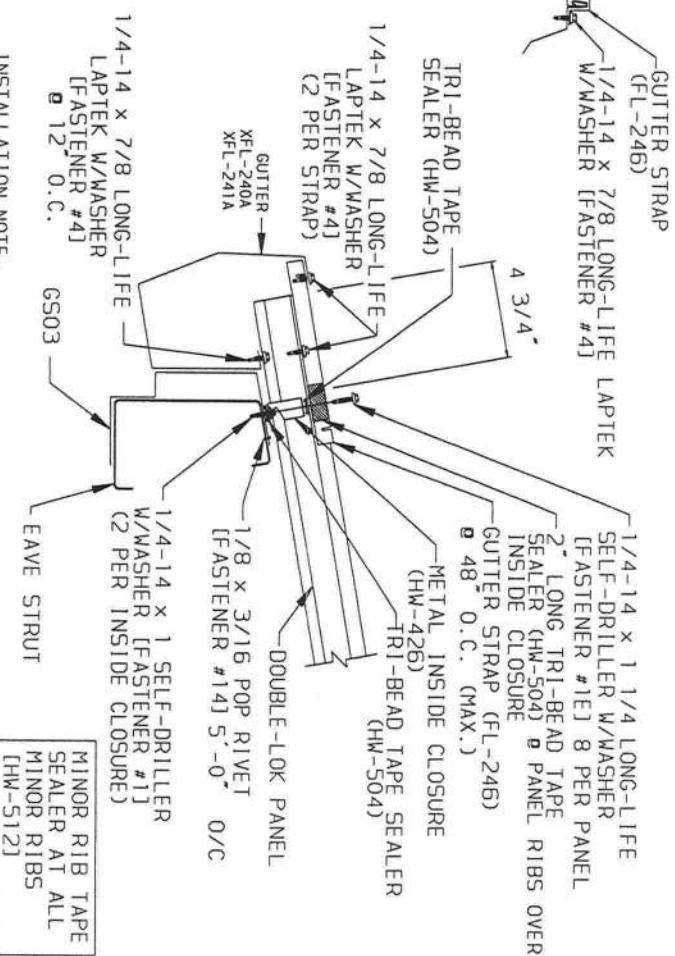
SECTION H-H



SECTION A-A



SECTION G-G



SECTION G1-G1

- INSTALLATION NOTE:
1. APPLY TRI-BEAD TAPE SEALER CONTINUOUS OVER SUBSTRATE.
 2. ATTACH INSIDE METAL CLOSURE W/ 1/4-14 x 1" SDS W/WASHER (FASTENER #1)
 3. APPLY A 10" LONG PIECE OF TRI-BEAD TAPE SEALER UP AND OVER THE INSIDE METAL CLOSURE
 4. APPLY A 2" LONG PIECE OF TRI-BEAD TAPE SEALER IN VERTICAL LEG OF PANEL SEAM
 5. IF THE PANELS HAVE MINOR RIBS, APPLY MINOR RIB TAPE SEAL BETWEEN PANEL AND EAVE TRIM OR GUTTER
 6. ATTACH PANEL W/ 1/4-14 x 1 1/4" LONG LIFE W/WASHER IN THE FLAT PANEL AND ONE EACH SIDE OF THE INSIDE METAL CLOSURE (8) TOTAL (FASTENER #1E)

- INSTALLATION NOTE:
1. APPLY TRI-BEAD TAPE SEALER CONTINUOUS OVER SUBSTRATE.
 2. ATTACH INSIDE METAL CLOSURE W/ 1/4-14 x 1" SDS W/WASHER (FASTENER #1)
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REVISIONS					DRAWING STATUS				
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	() FOR CONSTRUCTION	(X) FOR PERMIT ONLY	() FOR APPROVAL
							() OTHER, EXPLAIN		
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					PROJECT ADDRESS				



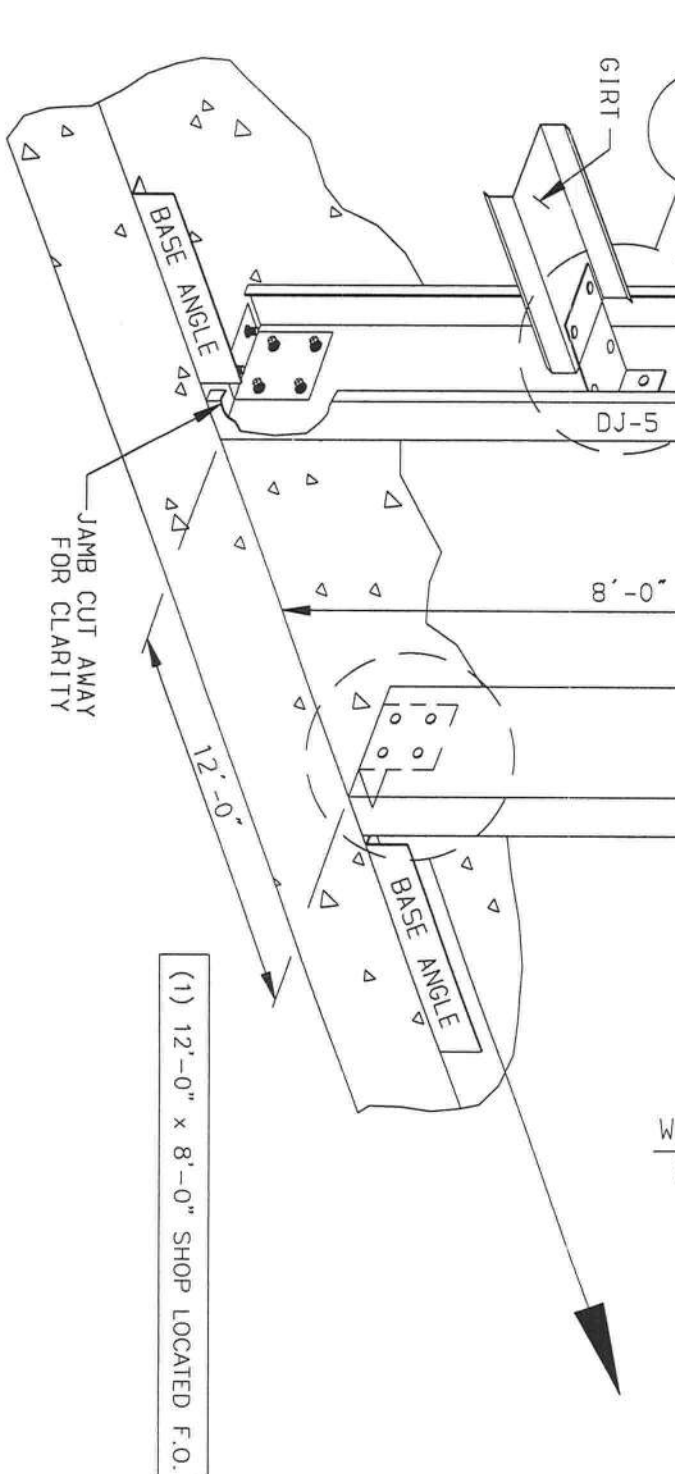
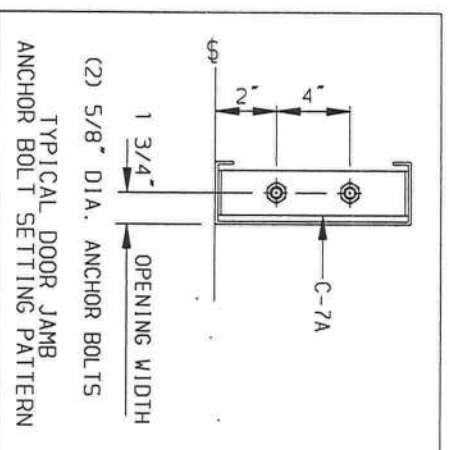
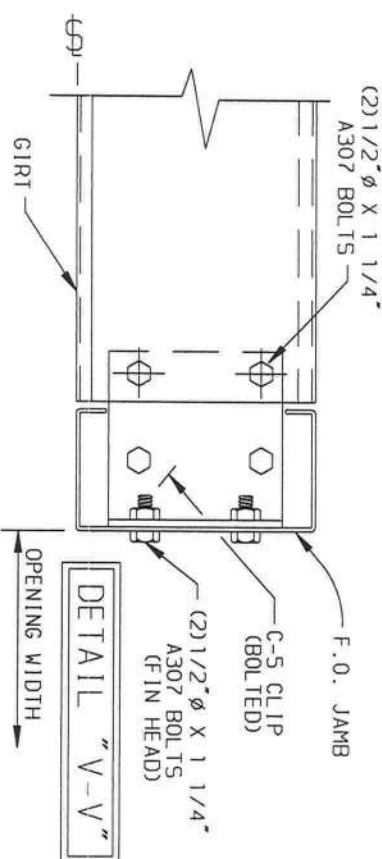
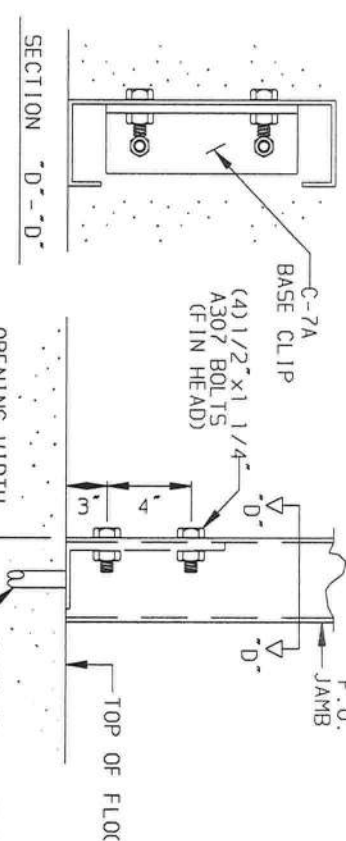
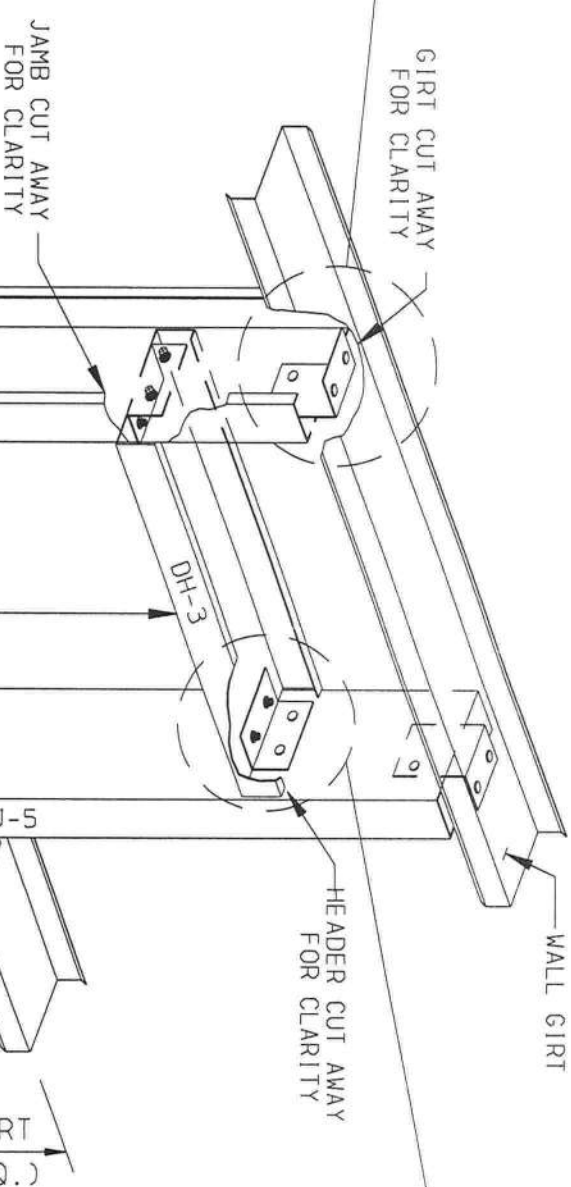
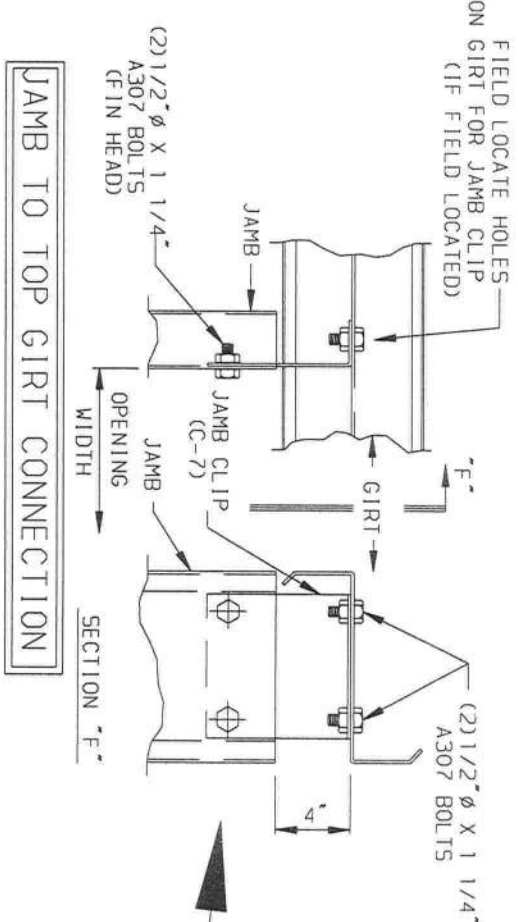
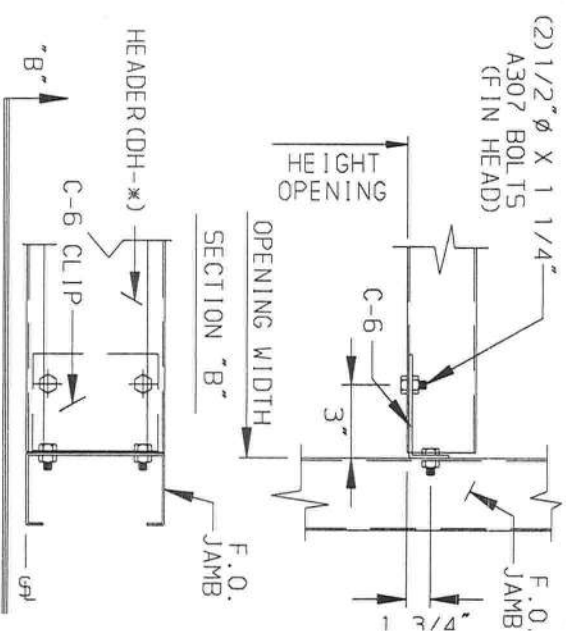
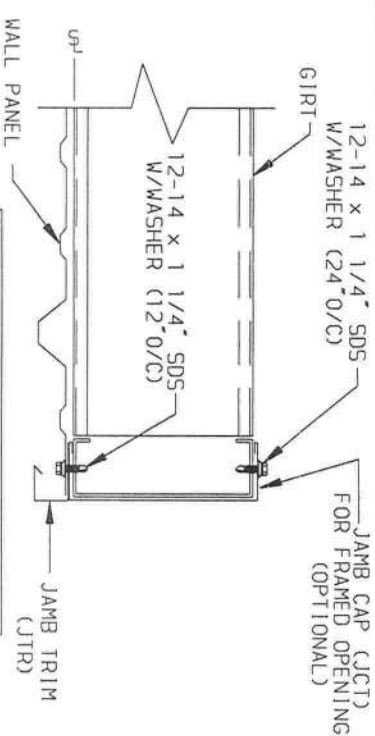
THE PROJECT DESIGNER IS NOT THE BUILDING MANUFACTURER, THE METAL DESIGNER OR THE METAL BUILDING ENGINEER WHOSE SEAL APPEARS ON THIS METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE PROJECT ENGINEER OF RECORD OR THE PROJECT ENGINEER OF RECORD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

MICHAEL R. MURPHY, P.E.
FLORIDA P.E. # 67131
500 VULCAN PARKWAY
LAKE CITY, FL 32024

SEAL TYPE PERMITTED BY
FL STATUTE 61G15-23.001

FRANK GASPARINI
DETAIL DRAWINGS
DESIGN 2.0M DRAFT. SE/JMMD CH/EC
DATE: 10/30/12 SHEET

-



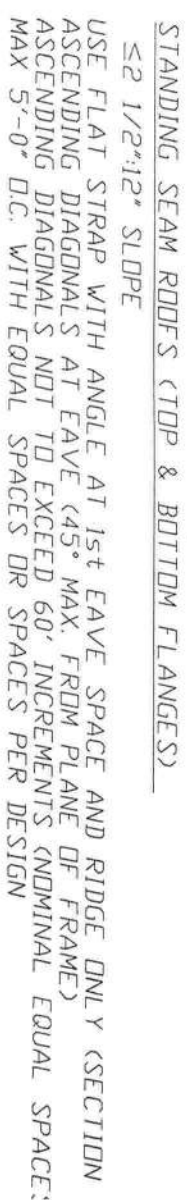
REVISONS				DRAWING STATUS		VULCAN STEEL STRUCTURES, INC		FRANK GASPARINI	
REV.	DESCRIPTION	DATE	DLR	DATE	CHKR	APPRD	PROJECT	45' x 40' x 18'	DETAIL DRAWINGS
							ID	21741	DESIGN: ZJM DRAFT: SEJ/MPD CHECK:
							PROJECT	LAKE CITY FL 32024	DATE: 10/30/12 SHEET
							ADDRESS		

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MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADULTER, 6520

Professional Engineer Seal for Michael R. Murphy, No. 67131, State of Florida, expires Nov 15, 2012.

A N G L E S			
QTY. X	MARK	RAT-X	LENGTH 00.00
QTY. X	MARK	BRA-X	LENGTH 00.00
QTY. X	MARK	PA-000000	LENGTH 00.00
QTY. X	MARK	PA-000000	LENGTH 00.00



STRAPPING WHEN HAVING
AN EVEN # OF STRAP
LINES PER BAY



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NOTE: DESIGNER TO MARK ON ROOF FRAMING PLAN THE DETAIL TO USE

[illegible]