

ENGINEERING CALCULATIONS

STEELMAX BUILDINGS, INC.

Job Number22059-1

End UserDR. CHANDLER MOHAN

Job LocationLAKE CITY FL 32055

DATE4/30/13

DESIGNED BY: ZJM

DETAILED BY SKP/MMD

CHECKED BY: GJM

DESIGN PARAMETERS

BUILDING DESCRIPTION

NOMINAL WIDTH:80feet

NOMINAL LENGTH110feet

EAVE HEIGHT, BACK SW14feet

EAVE HEIGHT, FRONT SW14feet

ROOF SLOPE, LEFT20:12

ROOF SLOPE, RIGHT20:12

COMMENTS

DESIGN LOADS

BUILDING CODEFBC 10

FRAME SELF WEIGHT, INCLUDED

ROOF DEAD LOAD:2.000psf

COLLATERAL LOAD.3psf

ROOF LIVE LOAD:20.00psf

FRAME LIVE LOAD12psf

SNOW LOAD, ROOF:0psf

WIND SPEED (3 SEC GUST)120mph

WIND EXPOSURE:B

CLOSURE "C, O, P".Closed

RISK CATEGORY . II - Normal

SNOW

FLAT ROOF SNOW LOAD Pf0psf

GROUND SNOW LOAD Pg:0.00psf

SNOW LOAD IMP FACTOR1.00

THERMAL FACTOR Ct1.00

SNOW EXP FACTOR Ce1.00

SEISMIC PARAMETERS:

SEISMIC IMPORTANCE:1.00

SEISMIC USE GROUP:

SEISMIC DESIGN CATEGORYB

DESIGNED SPECTRAL ACCELERATION PARAMETER "SDS" - (SHORT PERIODS) 0.1483

DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" - (1 SEC PERIODS): 0.0960

MAPPED SPECTRAL RESPONSE ACCELERATION "SS" - (SHORT PERIODS): 0.1390

MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" - (1 SEC PERIOD): 0.0600

RESPONSE MODIFICATION FACTOR 3.5

SITE CLASS (ASSUMED) :D

BASIC SEISMIC-FORCE RESISTING SYSTEM MOMENT RESISTING FRAME

DESIGN BASE SHEAR . V=C_s * W

ANALYSIS PROCEDURE . EQUIVALENT LATERAL FORCE PROCEDURE

DRAWING RELEASE HISTORY

DRAWING REVISIONS

DATE SENT

REASON FOR RELEASE

REVISION

DATE

BY

DESCRIPTION

A

B

C

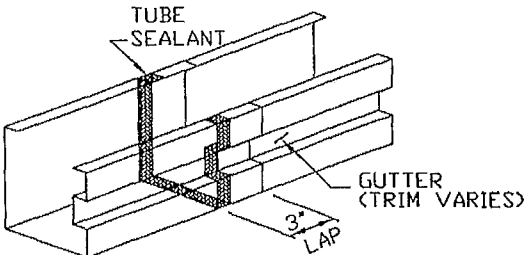
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FLORIDA PRODUCT APPROVAL INFORMATION

APPROVAL #	
26 GA. PBR ROOF PANEL ~ Galvalume	FL5346 1

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



STANDARD TRIM LAP DETAIL

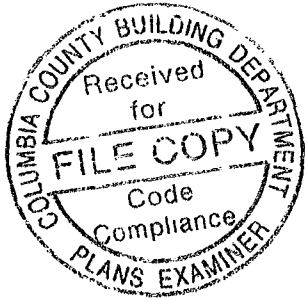
NOTE ALL TRIM CONTAINED ON THIS PROJECT WILL HAVE OUR STANDARD 3" LAP AS SHOWN ABOVE (TRIM STYLE VARIES)

COVERING AND TRIM COLOR TABLE

SHEETING		
ROOF PANEL:		
GAUGE	PANEL TYPE	COLOR
26 GA.	PBR Panel	Galvalume
WALL PANEL:		
GAUGE	PANEL TYPE	COLOR
26 GA.	REV. PBR	NEED COLOR
WALL PANEL @ REW :		
GAUGE	PANEL TYPE	COLOR
26 GA	PBU	Galvalume
WALL PANEL @ PARTITION :		
GAUGE	PANEL TYPE	COLOR
26 GA.	REV PBR	Galvalume (Towards BSW)
26 GA	REV PBR	Polar White (Towards FSW)
WALL TRIM COLOR:		
NEED COLOR		
GABLE TRIM COLOR:		
NEED COLOR		

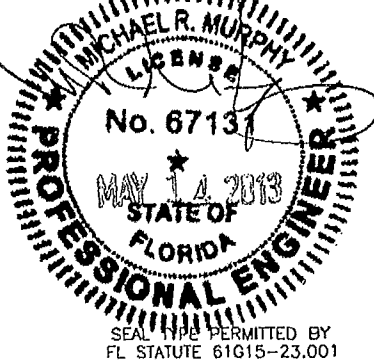
WIND LOADING PRESSURES CHART (AREA <= 10 SQ.FT. FOR PANELS) MULTIPLY X 0.9 FOR DESIGN VALUE				
	POSITIVE (GROSS)	POSITIVE (DESIGN)	NEGATIVE (GROSS)	NEGATIVE (DESIGN)
ZONE 1 (ROOF INTERIOR)	15	10	-24	-15
ZONE 2 (ROOF EDGE)	15	10	-42	-25
ZONE 3 (ROOF CORNER)	15	10	-62	-37
ZONE 4 (WALL INTERIOR)	24	15	-26	-16
ZONE 5 (WALL EDGE)	24	15	-32	-19
<6'x8'	26	16	-28	-17
>6'x8'	21	13	-23	-14

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
LAKE CITY, FL 32050

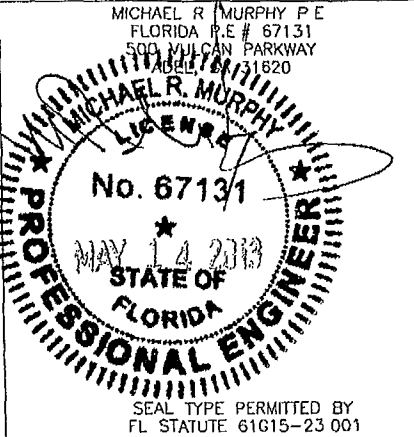


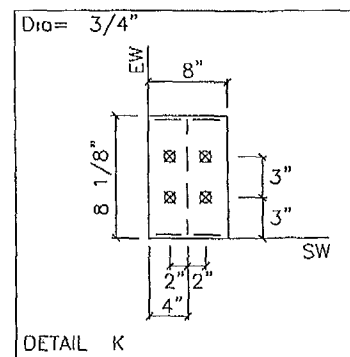
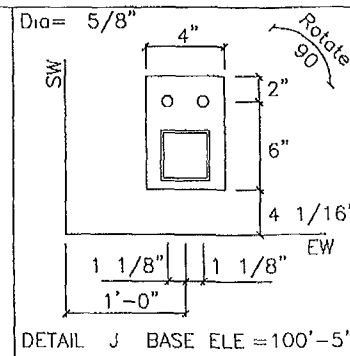
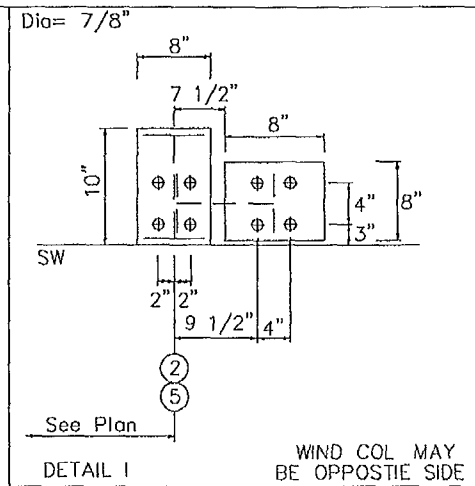
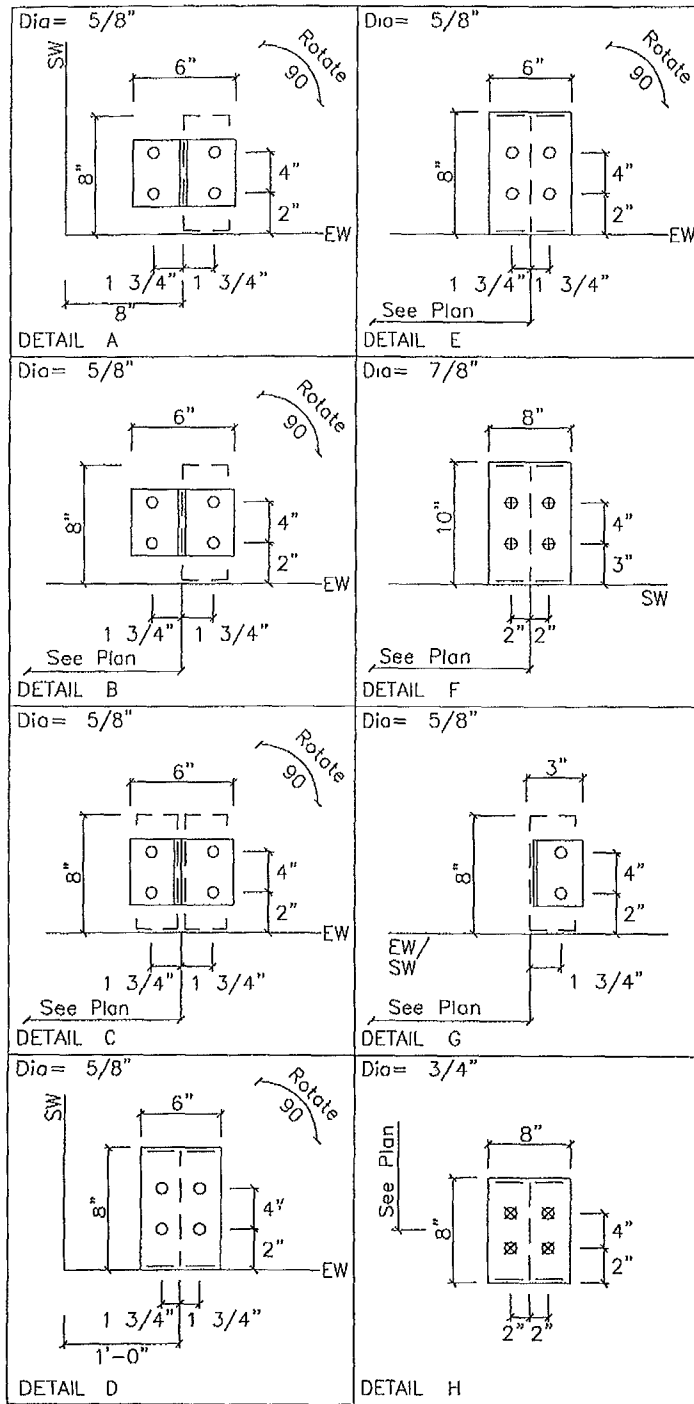
GENERAL NOTES

- 1 MATERIALS
- | | ASTM DESIGNATION |
|-------------------------------|---|
| STRUCTURAL STEEL PLATE | A529 OR A572 OR A570 OR A607 GRADE 50 |
| COLD FORMED LIGHT GAGE SHAPES | A570 OR A607 GRADE 55 |
| BRACE RODS | A572 GRADE 65, UNLESS NOTED |
| HOT ROLLED MILL SHAPES | ASTM A992 GRADE 50 |
| ROOF AND WALL SHEETS | A653 OR A792 GRADE 50 |
| BOLTS | A307, A325T, AND A490 A307 UNLESS NOTED |
| BUILT-UP MEMBERS | A570 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 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

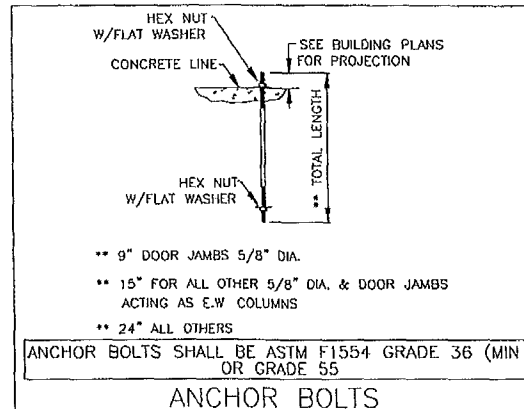
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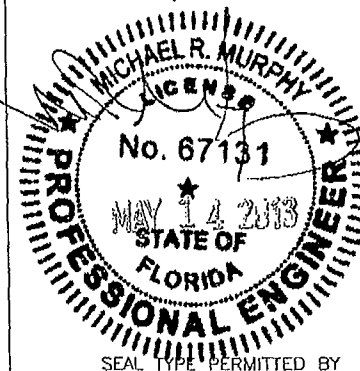
ANCHOR BOLT NOTES:
 MANUFACTURER RECOMMENDS USE OF STRAIGHT ROD ANCHOR BOLTS WITH NUT AND WASHER ON BOTH ENDS AS OPPOSED TO J-BOLTS OR ANCHOR BOLTS WITH HOOKS BECAUSE OF BETTER PERFORMANCE RESULTS IN CONCRETE FOUNDATIONS EITHER TYPE BOLT IS ACCEPTABLE AS DETERMINED BY THE FOUNDATION ENGINEER. ANY VALUES GIVEN FOR ANCHOR BOLT TOTAL LENGTHS AND/OR BEND 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)	Proj (in)
140	Jamb	5/8"	9 00	3 00
48	Endwall	5/8"	15 0	3 00
4	Canopy	5/8"	15 0	3 00
32	Frame	7/8"	24 0	3 00
32	Frame	3/4"	24 0	3 00
16	WindCol	7/8"	24 0	3 00

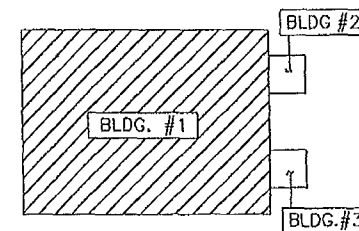


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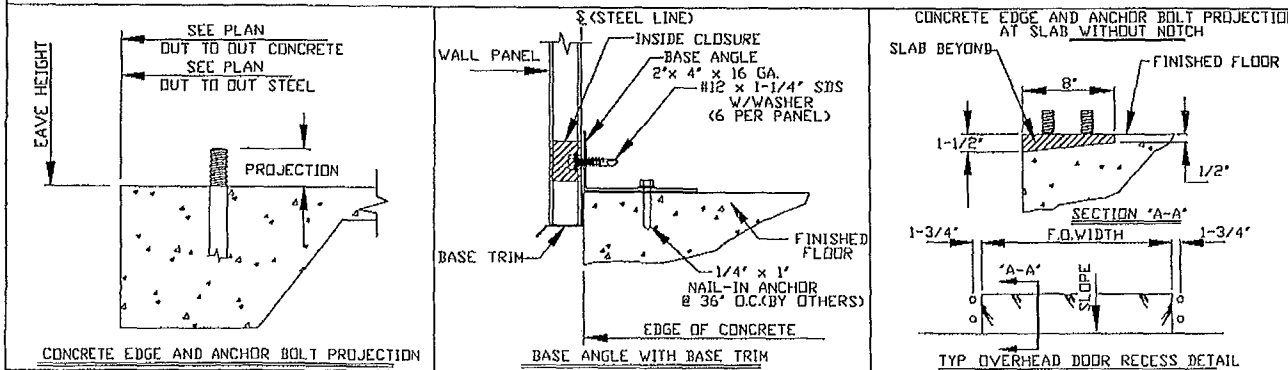
MICHAEL R. MURPHY P.E.
 FLORIDA P.E. # 67131
 500 VULCAN PARKWAY
 ADEL, GA 31620



SEAL TYPE PERMITTED BY
 FL STATUTE 61615-23.001



KEY PLAN



REVISIONS						
REV	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD

DRAWING STATUS
 (X) FOR CONSTRUCTION
 () FOR PERMIT ONLY
 () FOR APPROVAL
 () OTHER, EXPLAIN

STEELMAX BUILDINGS, INC
 PROJECT 80 x 110 x 14
 ID 22059-1
 PROJECT ADDRESS LAKE CITY FL 32055

OFFICE/STORAGE BUILDING
 ANCHOR BOLT PLAN & DETAILS
 DESIGN: ZJM DRAFT-SKP/MMD (CHECK: GJM)
 DATE 4/30/13 SHEET 2

BUILDING BRACING REACTIONS

Loc	Line	Col	R/L	Load ID	± Reactions (k)			Panel Shear (lb/ft)
					Horz	Vert	Moment	
L_EW	1				Bracing In Roof To Rigid Frame			
F_SW	1				Wind Column In Wall			
R_EW	6				Bracing In Roof To Rigid Frame			
B_SW	A				Wind Column In Wall			

WIND COLUMN REACTIONS

Loc	Line	Col	R/L	Load ID	± Reactions (k)	Moment (ft-k)	Anc. Bolt Qty	Base Plate (in)
F_SW	1	2	R	Wind Seismic	5.4	70.1	4	0.875 8.000 8.000 0.750
F_SW	1	5	L	Wind Seismic	0.7	9.3	4	0.875 8.000 8.000 0.750
B_SW	A	5	R	Wind Seismic	5.4	70.1	4	0.875 8.000 8.000 0.750
B_SW	A	2	L	Wind Seismic	0.7	9.3	4	0.875 8.000 8.000 0.750

WIND LOADING PRESSURES CHART (AREA <= 10 SQ FT FOR PANELS) MULTIPLY x 6 FOR DESIGN VALUE				
	POSITIVE (GROSS)	POSITIVE (DESIGN)	NEGATIVE (GROSS)	NEGATIVE (DESIGN)
ZONE 1 (ROOF INTERIOR)	15	10	-24	-15
ZONE 2 (ROOF EDGE)	15	10	-42	-25
ZONE 3 (ROOF CORNER)	15	10	-62	-37
ZONE 4 (WALL INTERIOR)	24	15	-26	-16
ZONE 5 (WALL EDGE)	24	15	-32	-19
<8'x8'	26	16	-28	-17
>8'x8'	21	13	-23	-14

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

ENDWALL COLUMN

BASIC COLUMN REACTIONS (k)														
Frm Line	Col Line	Dead		Live		Rafter Wind_L		Rafter Wind_R		Brace Wind_L		Brace Wind_R		LnWind1
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	
1	A	0.0	0.3	0.0	0.0	1.8	-2.1	-1.4	-2.1	-1.4	-2.1	-1.4	-2.1	-1.7
1	C	0.0	0.8	0.0	0.0	5.2	-6.7	-4.1	-6.7	-4.1	-6.7	-4.1	-6.7	-5.1
1	E	0.0	0.6	0.0	0.0	3.4	-3.0	-2.5	-3.0	-2.5	-3.0	-2.5	-3.0	-2.8
1	G	0.0	0.9	0.0	0.0	5.3	-4.0	-2.0	-4.0	-2.0	-4.0	-2.0	-4.0	-5.2
1	I	0.0	0.4	0.0	0.0	2.3	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-2.2
6	I	-0.1	0.5	0.2	-0.1	1.9	-1.4	-1.0	-1.4	-1.0	-1.4	-1.0	-1.4	-1.2
6	H	0.0	1.1	0.7	-0.1	5.0	-5.4	-3.6	-5.4	-3.6	-5.4	-3.6	-5.4	-3.3
6	F	0.0	1.1	0.7	-0.1	4.6	-4.8	-2.3	-4.8	-2.3	-4.8	-2.3	-4.8	-2.9
6	E	-0.1	1.0	0.4	-0.2	4.1	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-1.4
6	D	0.0	1.1	0.7	-0.1	4.6	-3.3	-4.8	-3.3	-4.8	-3.3	-4.8	-3.3	-2.9
6	B	0.0	1.1	0.7	-0.1	5.0	-3.6	-5.4	-3.6	-5.4	-3.6	-5.4	-3.6	-3.3
6	A	-0.1	0.5	0.2	-0.1	1.9	-1.0	-1.4	-1.0	-1.4	-1.0	-1.4	-1.0	-1.2

Frm Line	Col Line	LnWind2	Seis_L		Seis_R		Anc. Bolt Qty	Base Plate (in)
			Horz	Vert	Horz	Vert		
1	A	-1.0	0.0	0.0	0.0	0.0	4	0.625 6.000 5.750 0.134 0.0
1	C	-3.0	0.0	0.0	0.0	0.0	4	0.625 6.000 5.750 0.134 0.0
1	E	-1.7	0.0	0.0	0.0	0.0	4	0.625 6.000 5.750 0.134 0.0
1	G	-3.0	0.0	0.0	0.0	0.0	4	0.625 6.000 5.750 0.134 0.0
1	I	-1.3	0.0	0.0	0.0	0.0	4	0.625 6.000 5.750 0.134 0.0
6	I	-0.7	0.0	0.0	0.0	0.0	4	0.625 6.000 8.000 0.500 0.0
6	H	-1.9	0.0	0.0	0.0	0.0	4	0.625 6.000 8.000 0.500 0.0
6	F	-1.7	0.0	0.0	0.0	0.0	4	0.625 6.000 8.000 0.500 0.0
6	E	-1.3	0.0	0.0	0.0	0.0	4	0.625 6.000 8.000 0.500 0.0
6	D	-1.7	0.0	0.0	0.0	0.0	4	0.625 6.000 8.000 0.500 0.0
6	B	-1.9	0.0	0.0	0.0	0.0	4	0.625 6.000 8.000 0.500 0.0
6	A	-0.7	0.0	0.0	0.0	0.0	4	0.625 6.000 8.000 0.500 0.0

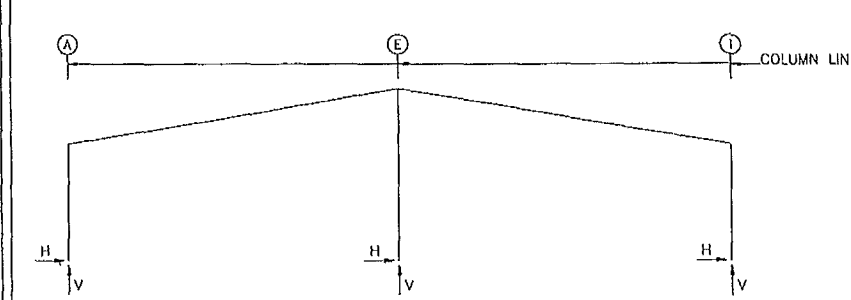
ENDWALL COLUMN. MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load ID	Column Reactions (k)		V	Anc. Bolt Qty	Base Plate (in)			Elev. (in)
			Hmax	Vmax			Width	Length	Thick	
1	A	9	0.0	-1.1	9	0.0	-1.1	4	0.625	6.000 5.750 0.134 0.0
1	C	9	0.0	2.4	0	0.0	-1.1	4	0.625	6.000 5.750 0.134 0.0
1	E	9	2.0	-3.5	10	-1.8	-2.5	4	0.625	6.000 5.750 0.134 0.0
1	G	9	2.2	6.8	9	2.0	-3.5	4	0.625	6.000 5.750 0.134 0.0
1	I	9	0.0	4.5	9	2.2	-1.4	4	0.625	6.000 5.750 0.134 0.0
1	A	11	2.1	-1.4	10	-2.0	-1.3	4	0.625	6.000 5.750 0.134 0.0
1	C	11	0.0	7.0	11	2.1	-3.7	4	0.625	6.000 5.750 0.134 0.0
1	E	11	0.0	-1.4	11	0.0	-1.4	4	0.625	6.000 5.750 0.134 0.0
1	G	11	0.0	3.0	0	0.0	-1.4	4	0.625	6.000 5.750 0.134 0.0
6	I	10	0.1	-0.4	1	-0.2	2.6	4	0.625	6.000 8.000 0.500 0.0
6	H	12	1.2	-1.7	10	-1.1	-1.3	4	0.625	6.000 8.000 0.500 0.0
6	F	12	1.4	-1.5	10	-1.2	-1.1	4	0.625	6.000 8.000 0.500 0.0
6	E	12	1.6	-1.6	10	-1.4	-0.8	4	0.625	6.000 8.000 0.500 0.0
6	D	11	1.4	-2.1	10	-1.2	-1.1	4	0.625	6.000 8.000 0.500 0.0
6	B	12	1.2	-1.7	10	-1.1	-1.3	4	0.625	6.000 8.000 0.500 0.0
6	A	10	0.1	-0.4	1	-0.2	2.6	4	0.625	6.000 8.000 0.500 0.0

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 BOLTS 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.

FRAME LINES 2 3 4 5



RIGID FRAME MAXIMUM REACTIONS ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load ID	Column Reactions (k)		V	Anc. Bolt Qty	Base Plate (in)			Elev. (in)
			Hmax	Vmax			Width	Length	Thick	
2*	A	4	3.1	5.8	5	-3.3	-4.7	4	0.875	8.000 10.00 0.625 0.0
2*	I	6	3.3	4.7	3	-3.1	5.8	4	0.875	8.000 10.00 0.625 0.0
2*	E	8	0.0	-8.3	8	0.0	-8.3	4	0.750	8.000 8.000 0.500 0.0
2*		1	0.0	16.6	0	0.0	-8.3	4	0.750	8.000 8.000 0.500 0.0

RIGID FRAME BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Load ID	Dead		Live		Wind_L1		Wind_R1		Wind_L2		Wind_R2	
			Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2*	A	4	0.4	1.3	0.4	1.3	1.8	5.0	-5.9	-9.1	1.8	-4.7	-5.8	-5.4
2*	I	6	-0.4	1.3	-0.4	1.3	-1.8	5.0	-1.8	-4.7	-1.8	-4.7	-5.8	-5.4
2*	E	8	0.0	2.7	0.0	2.8	0.0	11.1	0.0	-13.5	0.0	-13.5	0.0	-6.9
2*	A	2	0.0	-1.0	-1.1	-8.6	-0.9	-5.0	-0.5	-0.2	0.5	0.2	0.9	5.1
2*	I	6	5.8	-5.4	1.1	-8.6	0.9	-5.0	-0.5	-0.2	0.5	-0.2	-0.9	-5.1
2*	E	8	0.0	-6.9	0.0	-16.3	0.0	-9.7	0.0	0.0	0.0	0.0	0.0	5.6

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#_LHE/ LWIND#_RHE = 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
- 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
- LWIND#_L/LWIND#_R = Longitudinal wind loads for edge zones

REVISIONS

REV	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPR

DRAWING STATUS

- (X) FOR CONSTRUCTION
- () FOR PERMIT ONLY
- () FOR APPROVAL
- () OTHER, EXPLAIN

STEELMAX BUILDINGS, INC

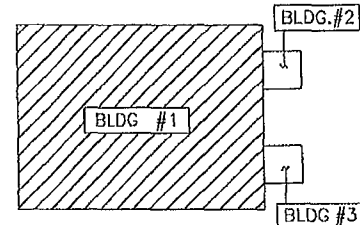
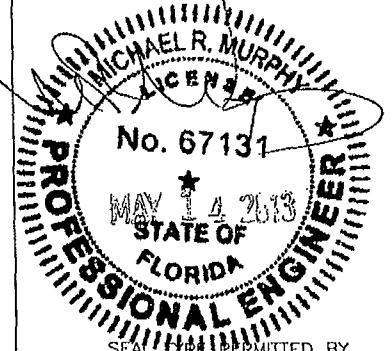
PROJECT	80 x 110 x 14
ID	22059-1
PROJECT ADDRESS	LAKE CITY FL 32055

OFFICE/STORAGE BUILDING

ANCHOR BOLT DETAILS & REACTIONS	CHECK GJM
DATE 4/30/13	SHEET 3

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

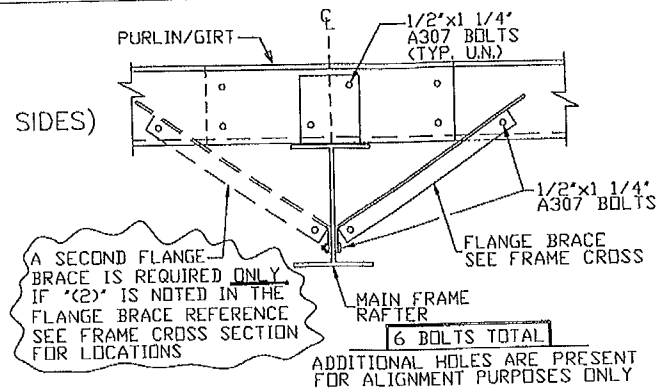


SPICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Dia Length
SP-1	4	4	0	0	A325T	0.625 2 25

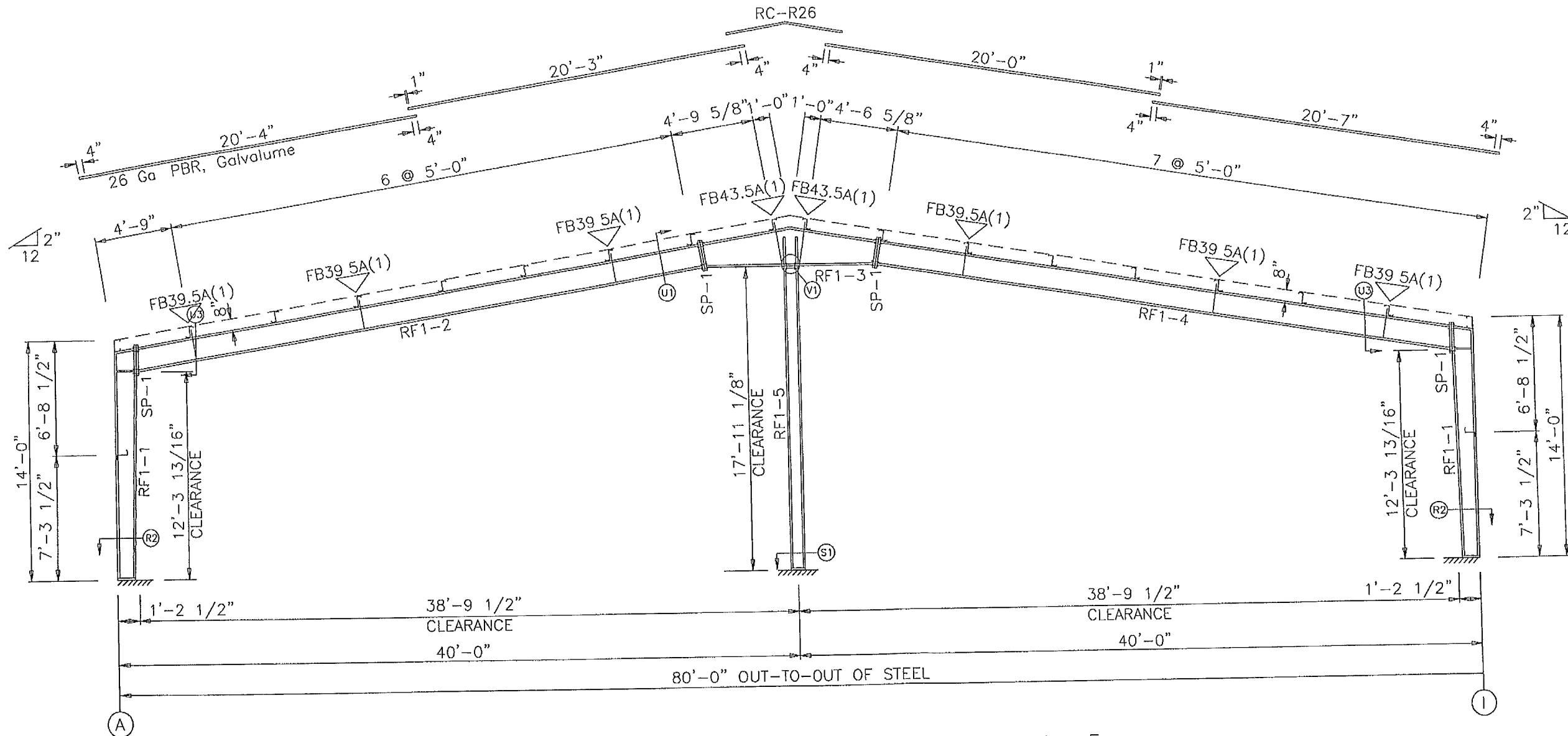
CAP PLATE BOLTS				
Mark	Qty	Type	Dia	Length
RF1-5	4	A325T	0.625	2 25

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 Thick	Plate Length	Outside Flange	
	Start	End			W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	9 5/14.0	0 120	143 2		5 x 1/4" x 159 0	5 x 1/4" x 143 3
RF1-2	14.0/14.0	0.135	18 2		5 x 1/4" x 14 4	5 x 3/16" x 240.0
RF1-3	14.0/14.0	0.120	240 0		5 x 1/4" x 240 0	5 x 3/16" x 189.0
	14 0/14.0	0.120	169 0		5 x 1/4" x 166 6	5 x 3/16" x 120 6
RF1-4	14 1/24.3	0.135	125 3		5 x 3/16" x 63 5	5 x 3/16" x 63 5
					5 x 3/16" x 63 5	
RF1-5	14 0/14.0	0 120	169 0		5 x 1/4" x 166 6	5 x 3/16" x 169 0
	14 0/14.0	0 120	240 0		5 x 1/4" x 240 0	5 x 3/16" x 240 0
	7 5/ 7 5	0.135	214 2		5 x 1/4" x 214 2	5 x 1/4" x 214.2



MAIN FRAME ELEVATION: FRAME LINE 2 3 4 5

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	DATE	CHKR	APPD

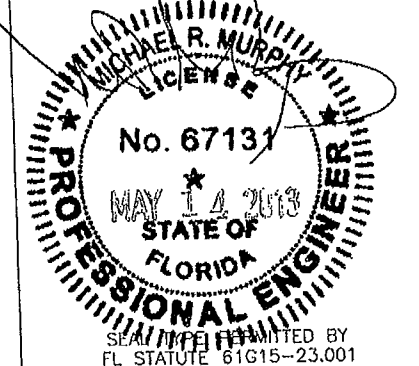
DRAWING STATUS
[] FOR CONSTRUCTION
[] FOR PERMIT ONLY
[] FOR APPROVAL
[] OTHER, EXPLAIN

STEELMAX BUILDINGS, INC
PROJECT 80 x 110 x 14
ID 22059-1
PROJECT ADDRESS LAKE CITY FL 32055

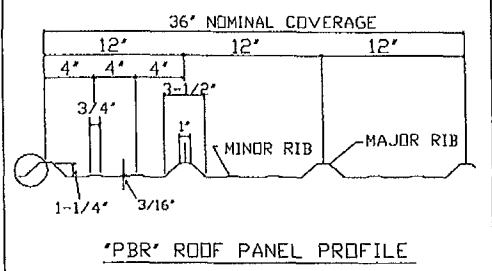
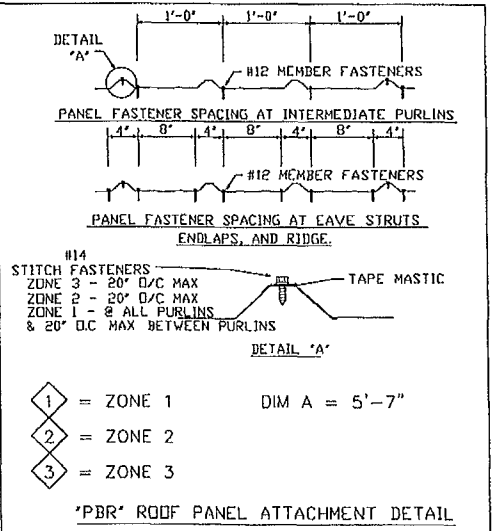
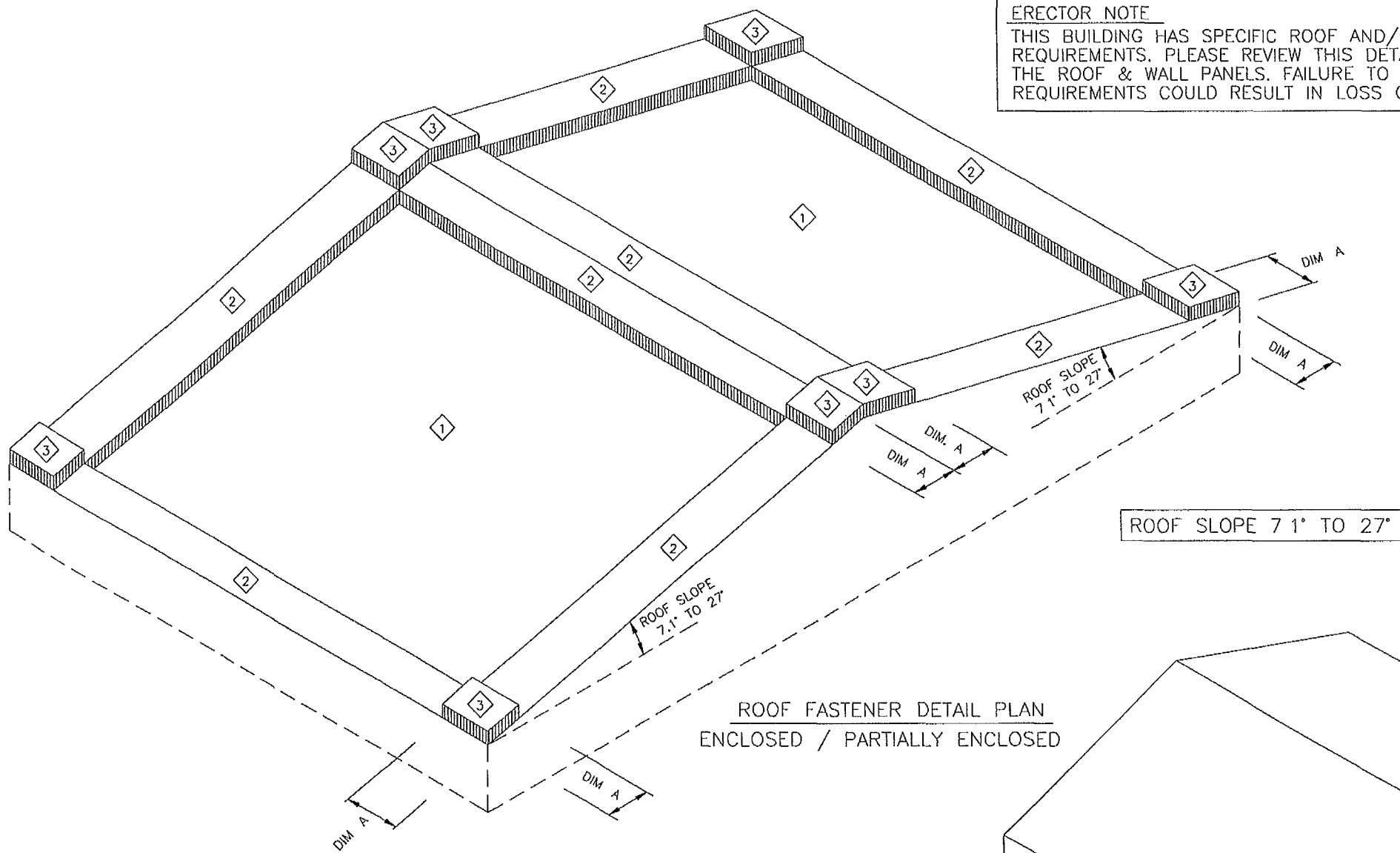
OFFICE/STORAGE BUILDING
MAIN FRAME ELEVATION
DESIGN ZJM DRAFT:SKP/MMD CHECK: DMC
DATE 4/30/13 SHEET 4

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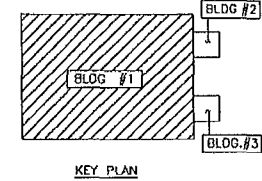
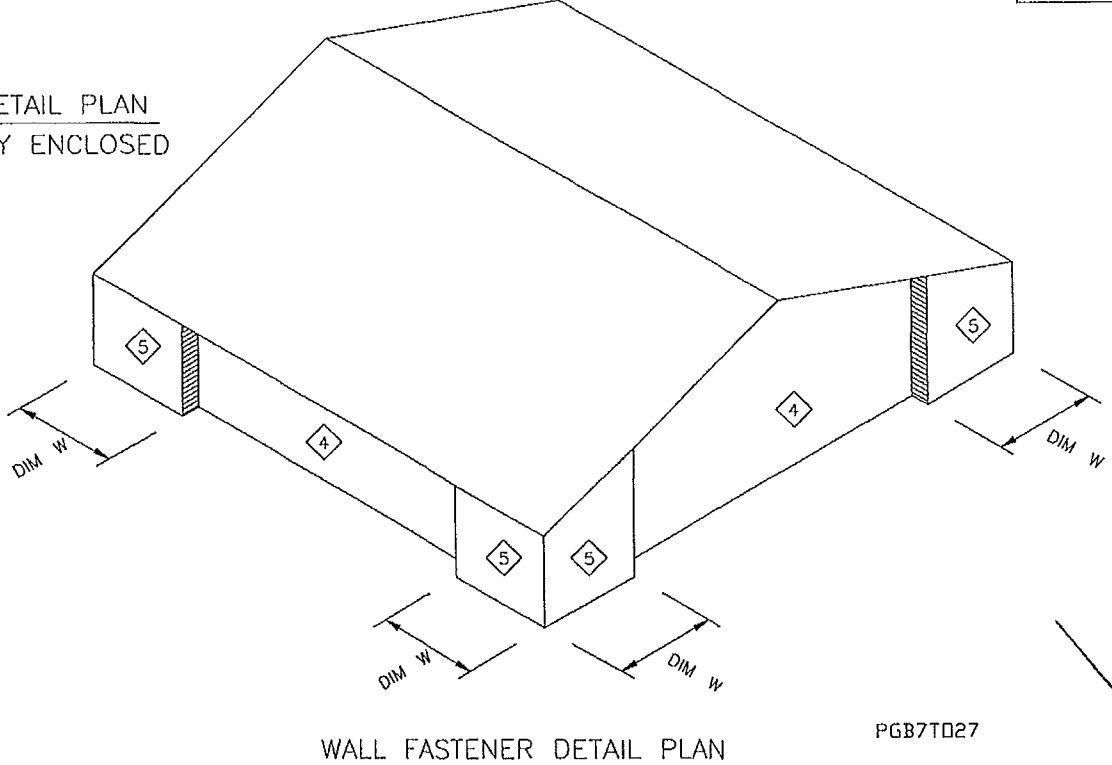
MICHAEL R. MURPHY P.E.
FLORIDA P.E. # 67131
500 VULCAN PARKWAY
ADEL, GA 31620



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)

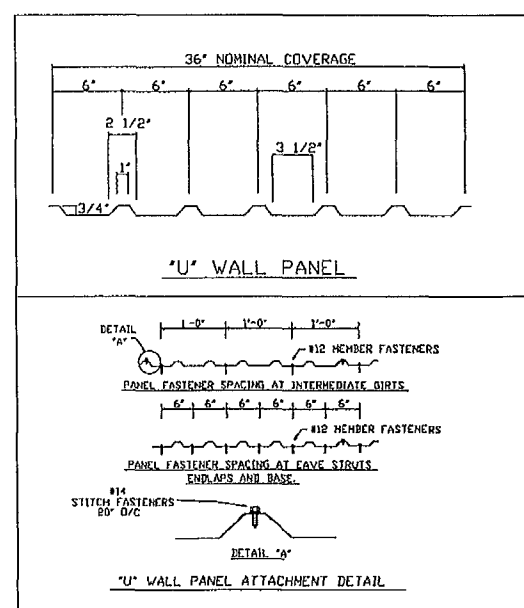
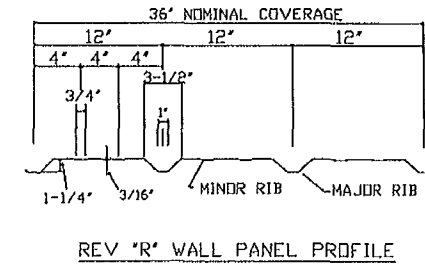
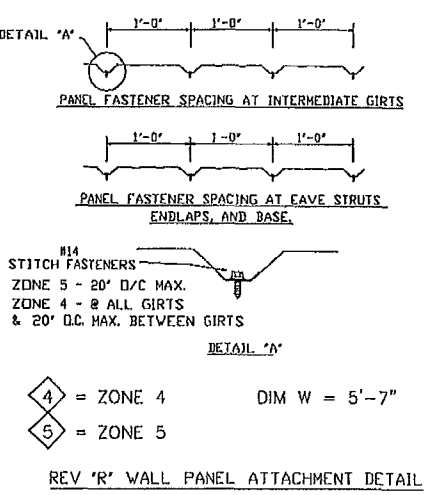


ROOF FASTENER DETAIL PLAN
ENCLOSED / PARTIALLY ENCLOSED

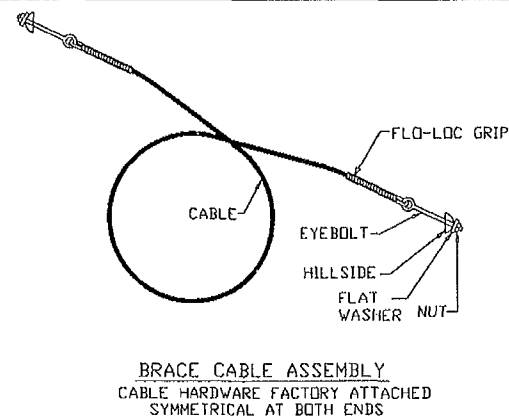
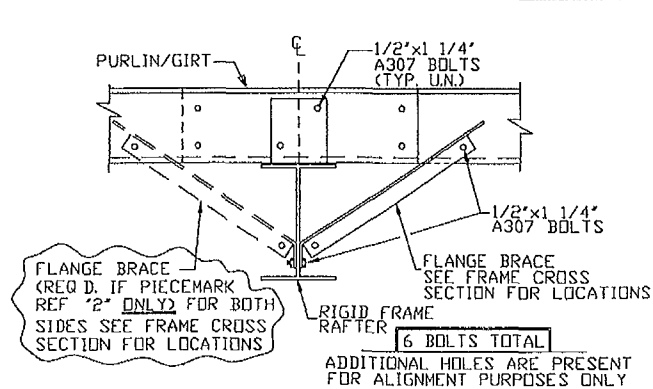


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MICHAEL R. MURPHY, P.E.
FLORIDA P.E. # 67131
500 VULCAN PARKWAY
LAKE CITY, FL 32055
OFFICIAL SEAL
MICHAEL R. MURPHY
LICENSED PROFESSIONAL ENGINEER
No. 67131
MAY 14 2013
STATE OF FLORIDA
SEAL NOT PERMITTED BY FL STATUTE 61G15-23.001



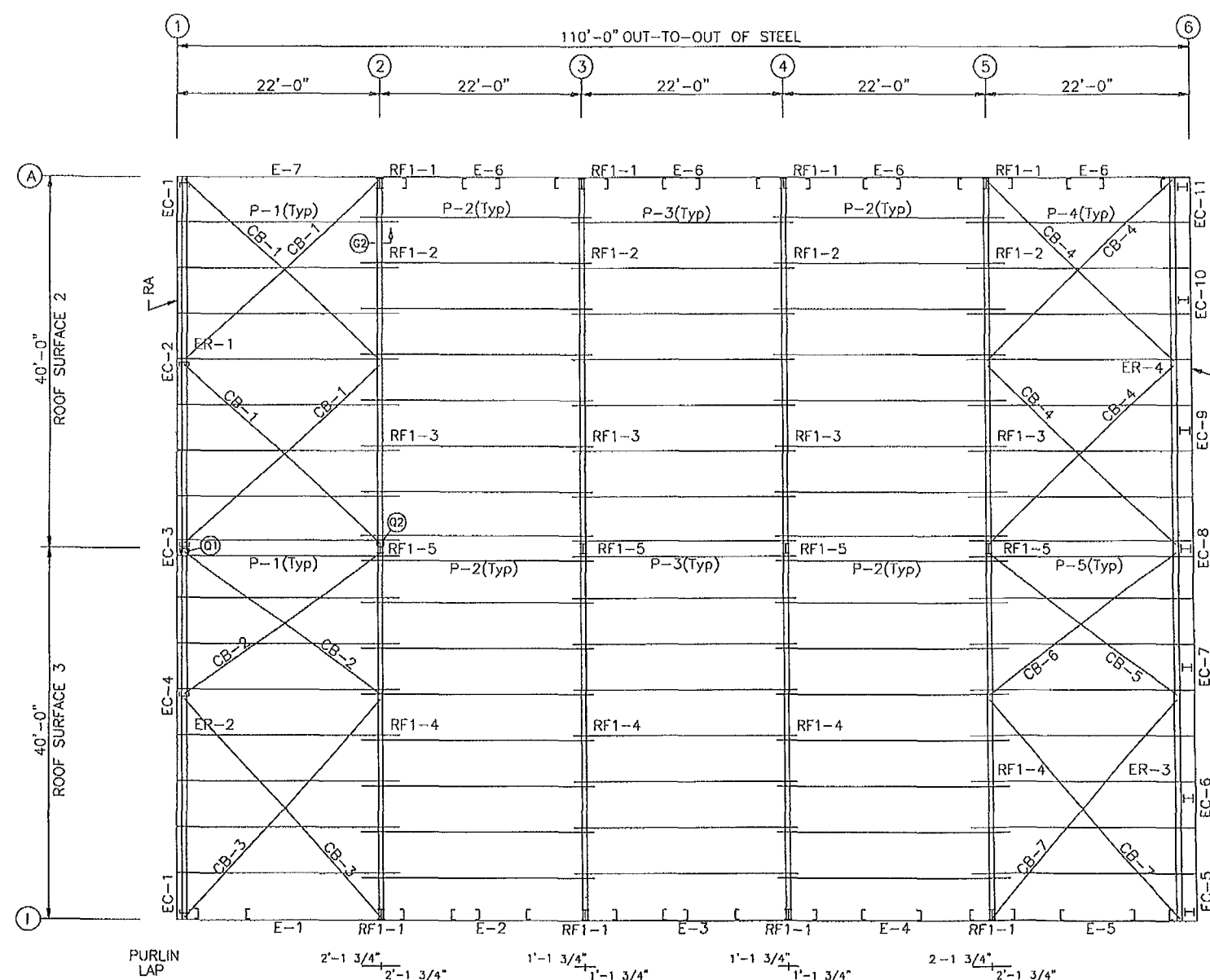
REVISIONS							DRAWING STATUS		STEELMAX BUILDINGS, INC.		OFFICE/STORAGE BUILDING	
REV	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD	() FOR CONSTRUCTION	PROJECT	80 x 110 x 14	ROOF FASTENER DETAILS	DESIGN: ZJM	DRAFT: SKP/MMD
							(X) FOR PERMIT ONLY	ID	22059-1	CHECK: DMC	DATE: 4/30/13	SHEET 5
							() FOR APPROVAL	PROJECT	LAKE CITY FL 32055			
							() OTHER, EXPLAIN	ADDRESS				



TRIM TABLE ROOF PLAN			
ID	MARK	LENGTH	DETAIL
1	RC-R26	3'-0"	TM19
2	RVEG	13'-0"	
3	RVEG	20'-1 3/4"	
4	RVEG	5'-9 3/4"	
5	CS01	13'-0"	
6	CS01	20'-1 3/4"	
7	CS01	5'-9 3/4"	

EXTENSION/CANOPY BOLTS ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-1	4	A325T	5/8"	2 1/4"
EB-2	4	A325T	5/8"	2 1/4"
EB-3	4	A325T	5/8"	2 1/4"
EB-4	4	A325T	5/8"	2 1/4"

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
EB-1	W8X10	5'-0 1/16"
EB-2	W8X10	5'-0 1/16"
EB-3	W8X10	5'-0 1/16"
EB-4	W8X10	5'-0 1/16"
P-1	8X25Z15	24'-1 1/2"
P-2	8X25Z16	25'-3 1/2"
P-3	8X25Z16	24'-3 1/2"
P-4	8X25Z15	24'-1 1/2"
P-5	8X25Z15	24'-1 1/2"
P-6	8X25Z16	11'-6 1/2"
P-7	8X25Z16	12'-1 1/2"
E-1	8E275D16	21'-11 1/2"
E-2	8E275D16	21'-11 1/2"
E-3	8E275D16	21'-11 1/2"
E-4	8E275D16	21'-11 1/2"
E-5	8E275D16	21'-11 1/2"
E-6	8E275D16	21'-11 1/2"
E-7	8E275D16	21'-11 1/2"
E-8	8X25C16	12'-10"
E-9	8X25C16	12'-1 1/2"
CB-1	0 250CBL	29'-8"
CB-2	0 250CBL	27'-2"
CB-3	0 250CBL	32'-6"
CB-4	0 250CBL	29'-5"
CB-5	0 250CBL	26'-10"
CB-6	0 250CBL	26'-11"
CB-7	0 250CBL	32'-3"



ROOF FRAMING PLAN

5'-3" (5) 2 3

CANOPY SHEETING

PANELS 26 Ga PBR - Galvalume

5'-3" (9) 4 3 7

CANOPY SHEETING

PANELS 26 Ga PBR - Galvalume

5'-3" (5) 2 5

CANOPY SHEETING

PANELS 26 Ga PBR - Galvalume

20'-4" (37)

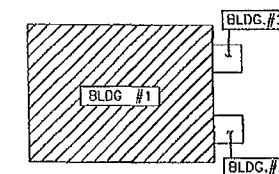
20'-3" (37)

20'-0" (37)

20'-7" (37)

ROOF SHEETING

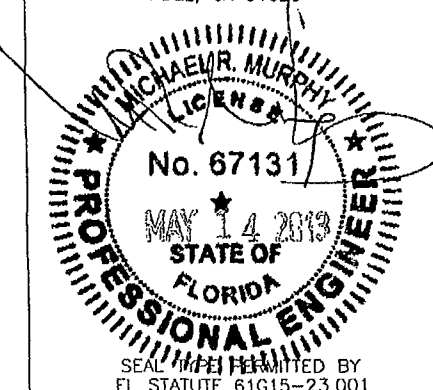
PANELS 26 Ga PBR - Galvalume



KEY PLAN

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ADEL, GA 31620

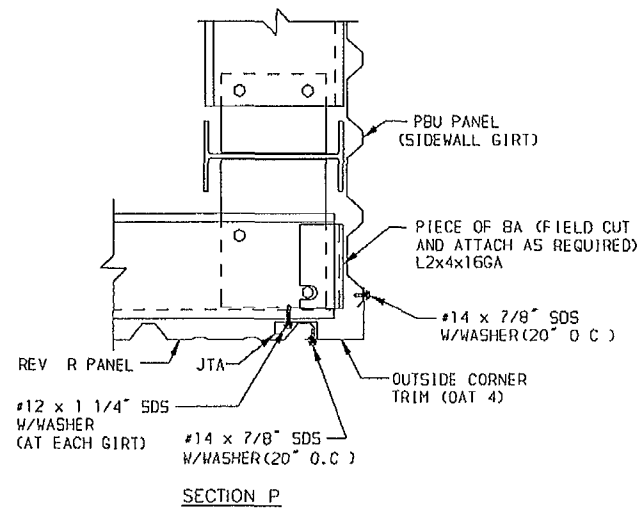


REVISIONS						
REV	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

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

STEELMAX BUILDINGS, INC	
PROJECT	80 x 110 x 14
ID	22059-1
PROJECT ADDRESS	LAKE CITY FL 32055

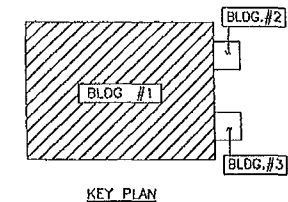
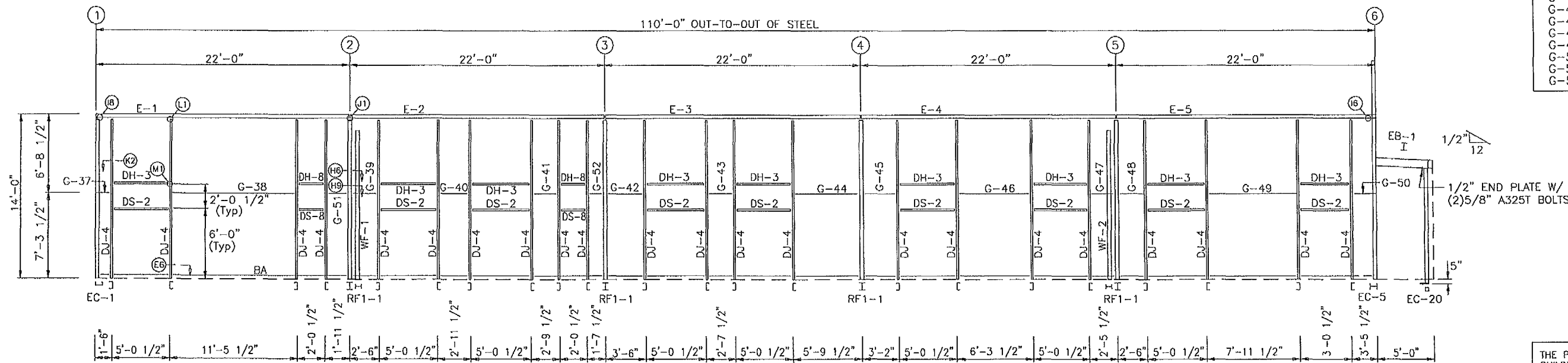
OFFICE/STORAGE BUILDING	
ROOF FRAMING	DESIGN ZJM DRAFT SKP/MMD CHECK DMC
DATE 4/30/13	SHEET 6



BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - RF1-1	10	A325T	5/8"	2 1/4"
WF-2 - RF1-1	10	A325T	5/8"	2 1/4"

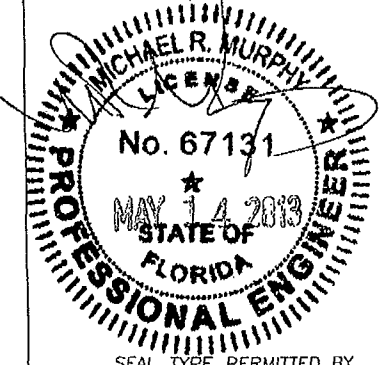
TRIM TABLE FRAME LINE 1			
ID	MARK	LENGTH	DETAIL
1	DTR	20'-3"	TM21
2	DTR	10'-3"	TM21
3	OAT	14'-3"	TM29X
4	RVEG	20'-3"	TM50
5	RVEG	10'-3"	TM50
6	RVEG	6"	TM52
7	RVGE	6"	
8	JCT	2'-0 1/2"	
9	JTA	2'-4"	TM31X
10	JCT	5'-0 1/2"	
11	HT	5'-7"	TM33
12	ST	5'-7"	
13	JCT	2'-0 1/2"	
14	HT	2'-7"	TM33
15	ST	2'-7"	
16	JTA	14'-3"	SECTION P

MEMBER TABLE FRAME LINE 1		
MARK	PART	LENGTH
WF-1	W12641	13'-0"
WF-2	W12641	13'-0"
EB-1	W8X10	5'-0 1/16"
EC-20	T4x0.1875	TBD
DJ-4	8x35C16	13'-4"
DH-3	8x35C16	5'-0 1/2"
DH-8	8x35C16	2'-0 1/2"
DS-2	8x35C16	5'-0 1/2"
DS-8	8x35C16	2'-0 1/2"
E-1	8E275D16	21'-11 1/2"
E-2	8E275D16	21'-11 1/2"
E-3	8E275D16	21'-11 1/2"
E-4	8E275D16	21'-11 1/2"
E-5	8E275D16	21'-11 1/2"
G-37	8X25Z16	1'-2"
G-38	8X25Z16	10'-10"
G-39	8X25Z16	1'-2"
G-40	8X25Z16	2'-4"
G-41	8X25Z16	2'-2"
G-42	8X25Z16	2'-9 7/8"
G-43	8X25Z16	2'-0"
G-44	8X25Z16	5'-1 3/8"
G-45	8X25Z16	2'-5 7/8"
G-46	8X25Z16	5'-8"
G-47	8X25Z16	1'-1 1/2"
G-48	8X25Z16	1'-9 7/8"
G-49	8X25Z16	7'-4"
G-50	8X25Z16	3'-1 1/2"
G-51	8X25Z16	1'-3 3/8"
G-52	8X25Z16	11 3/8"



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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 61G15-23.001

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	DTLR	DATE	CHKR	APPR

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

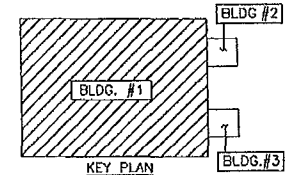
STEELMAX BUILDINGS, INC
PROJECT 80 x 110 x 14
ID 22059-1
PROJECT ADDRESS LAKE CITY FL 32055

OFFICE/STORAGE BUILDING
SIDEWALL FRAMING
DESIGN ZJM DRAFT SKP/MMD CHECK DMC
DATE 4/30/13 SHEET 7

BOLT TABLE				
FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - RF1-1	10	A325T	5/8"	2 1/4"
WF-2 - RF1-1	10	A325T	5/8"	2 1/4"

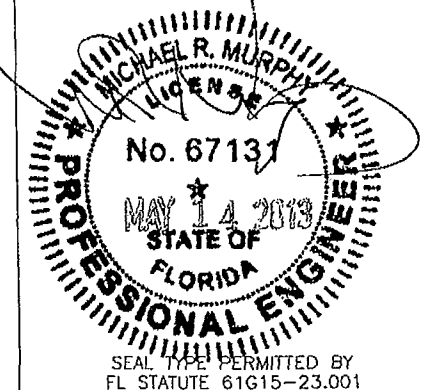
TRIM TABLE			
FRAME LINE A			
ID	MARK	LENGTH	DETAIL
1	DTR	20'-3"	TM21
2	DTR	10'-3"	TM21
3	OAT	14'-3"	TM29X
4	RVEG	20'-3"	TM50
5	RVEG	10'-3"	TM50
6	RVCB	6"	TM52
7	RVEG	6"	
8	JCT	5'-0 1/2"	
9	JTA	5'-4"	TM31
10	JCT	6'-0 1/2"	
11	HT	6'-7"	TM33
12	HT	6'-7"	
13	JTA	14'-3"	SECT -P(OPP)

MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
WF-1	W12641	13'-0"
WF-2	W12641	13'-0"
EB-2	WBX10	5'-0 1/16"
EC-20	T4x0 1875	TBD
DJ-8	8x35C16	13'-4"
DH-5	8x35C16	6'-0 1/2"
DS-3	8x35C16	6'-0 1/2"
E-6	8E275D16	21'-11 1/2"
E-7	8E275D16	21'-11 1/2"
G-51	8X25Z16	2'-8"
G-52	8X25Z16	3'-4"
G-53	8X25Z16	2'-3 3/8"
G-54	8X25Z16	1'-8"
G-55	8X25Z16	2'-3 7/8"
G-56	8X25Z16	1'-7 1/2"
G-57	8X25Z13	21'-7 3/8"

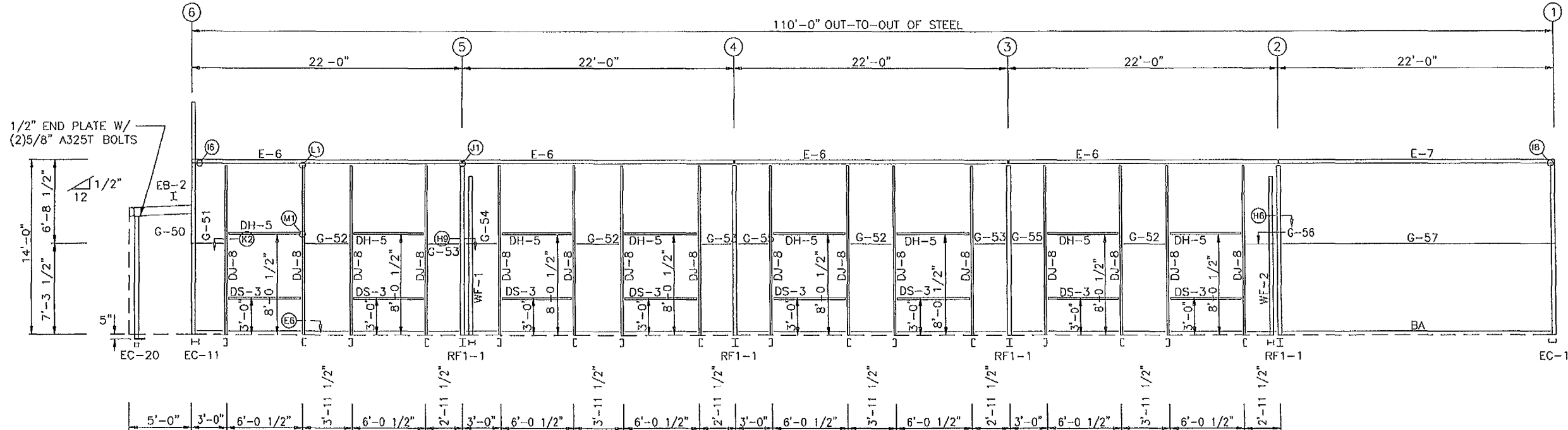


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MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620



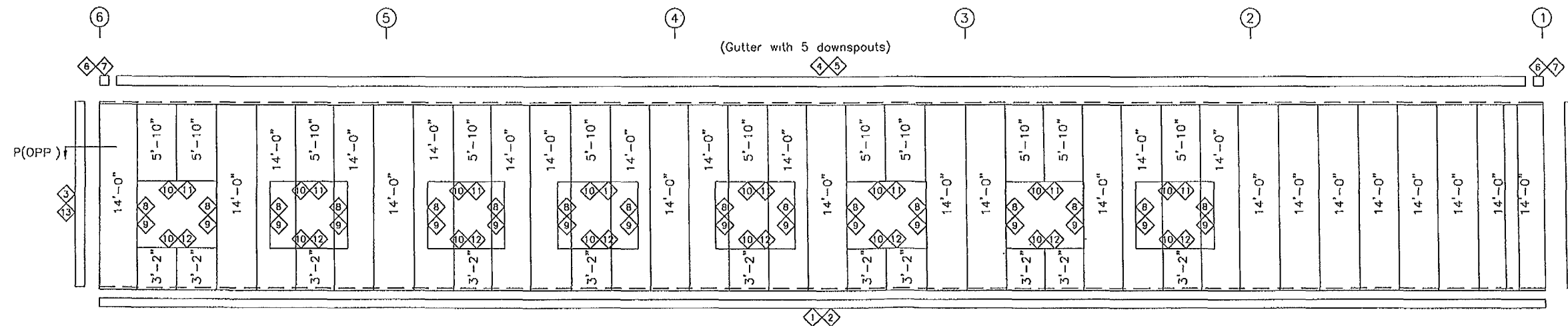
SEAL TYPE PERMITTED BY
FL STATUTE 61G15-23.001



SEE SHEET #00 FOR SECTION P(OPP)

SIDEWALL FRAMING: FRAME LINE A

(Gutter with 5 downspouts)



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga REV PBR - NEED COLOR

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

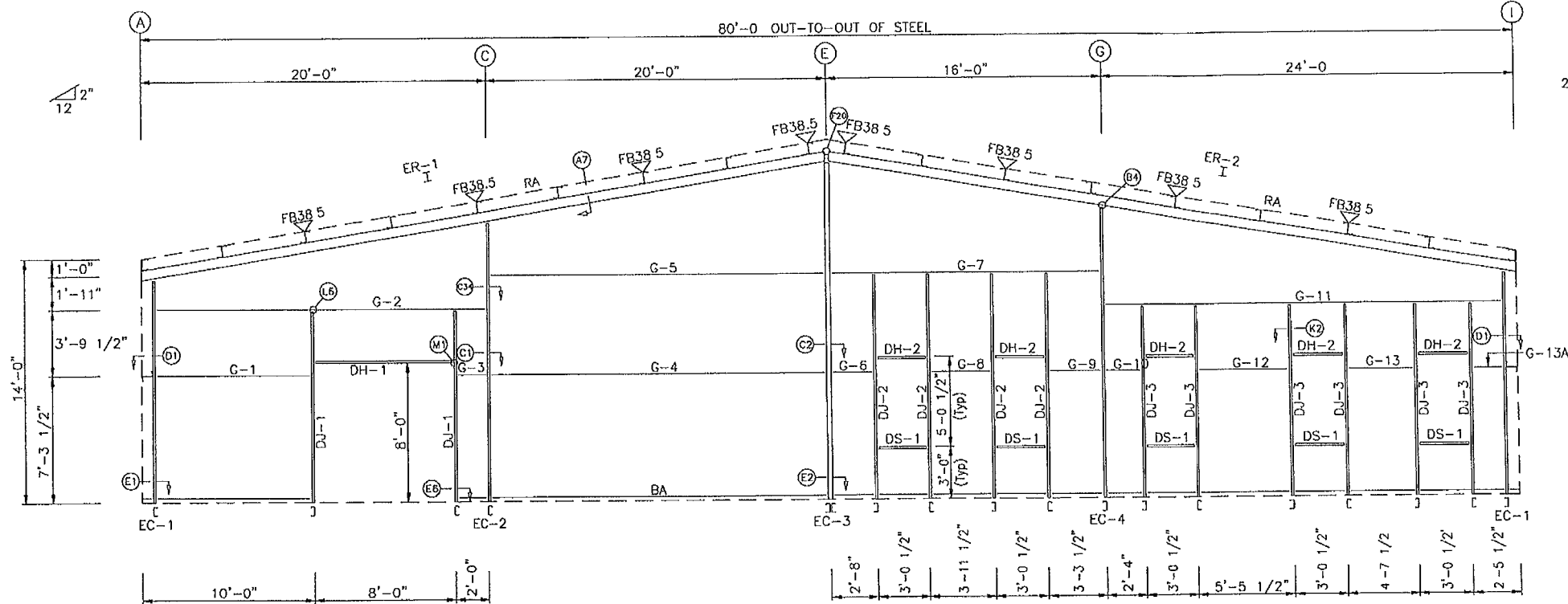
REVISIONS

REV	DESCRIPTION	DATE	DLTR	DATE	CHKR	APPD

DRAWING STATUS
() FOR CONSTRUCTION
(X) FOR PERMIT ONLY
() FOR APPROVAL
() OTHER, EXPLAIN

STEELMAX BUILDINGS, INC
PROJECT B0 x110 x14
ID 22059-1
PROJECT ADDRESS LAKE CITY FL 32055

OFFICE/STORAGE BUILDING
SIDEWALL FRAMING
DESIGN ZJM DRAFT:SKP/MMD CHECK DMC
DATE: 4/30/13 SHEET 8



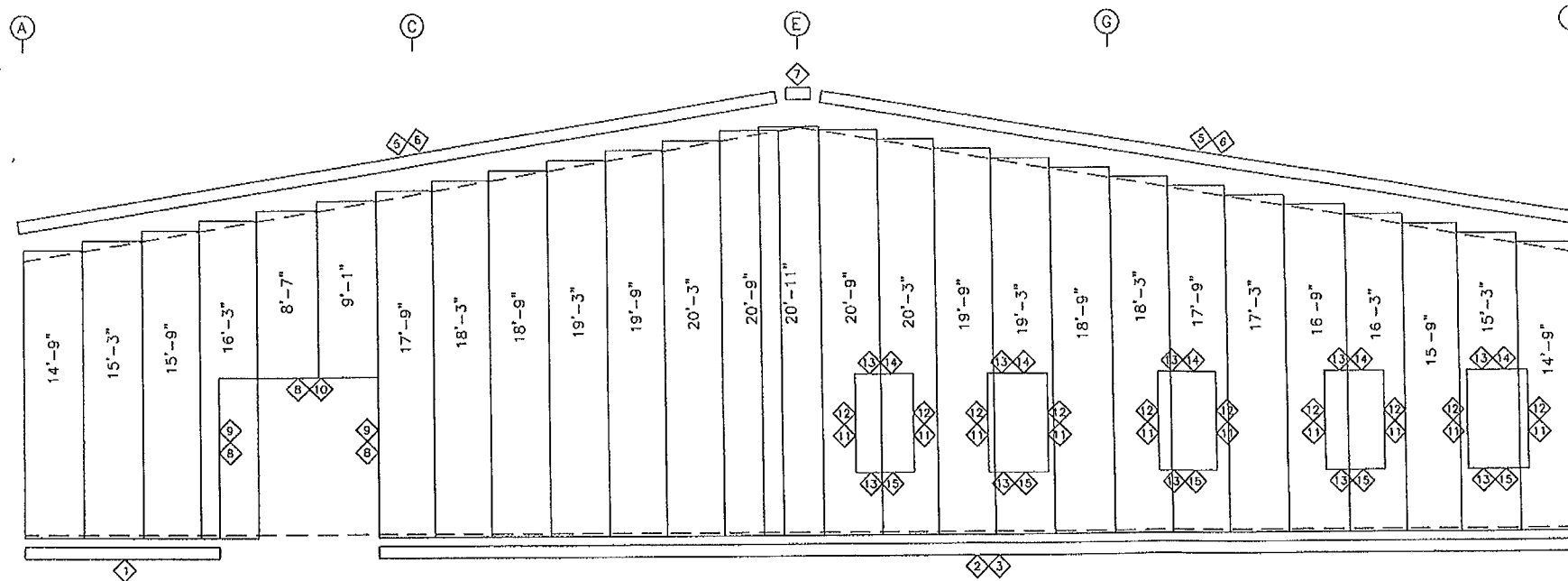
ENDWALL FRAMING. FRAME LINE 1

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325T	5/8"	2 1/4"
Cor. Column/Raf	4	A325T	1 1/2"	1 1/2"
EC-2/ER-1	4	A325T	1 1/2"	1 1/2"
EC-3/ER-2	4	A325T	5/8"	2 1/4"
EC-4/ER-2	4	A325T	1 1/2"	1 1/2"

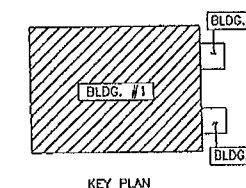
MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-1	8x35C16	12'-8 1/4"
EC-2	8x35C13	15'-10 7/8"
EC-3	8x50D14	18'-11 5/8"
EC-4	8x35C12	16'-6 7/8"
ER-1	W8X10	40'-6 5/8"
ER-2	W8X10	40'-6 5/8"
DJ-1	8x35C16	10'-9"
DJ-2	8x35C18	12'-8"
DJ-3	8x35C16	10'-9"
DH-1	8x35C16	8'-0"
DH-2	8x35C16	3'-0 1/2"
DS-1	8x35C16	3'-0 1/2"
G-1	8X25Z16	8'-8 1/2"
G-2	8X25Z15	19'-0"
G-3	8X25Z16	1'-8"
G-4	8X25Z15	19'-4 1/2"
G-5	8X25Z16	19'-4 1/2"
G-6	8X25Z16	2'-0 1/2"
G-7	8X25Z16	15'-4 1/2"
G-8	8X25Z16	3'-4"
G-9	8X25Z16	2'-8"
G-10	8X25Z16	2'-0"
G-11	8X25Z13	23'-0"
G-12	8X25Z16	4'-10"
G-13	8X25Z16	8'-10"
G-13A	8X25Z16	8'-10"

TRIM TABLE			
FRAME LINE 1			
ID	MARK	LENGTH	DETAIL
1	DTR	10'-3"	TRIM_21
2	DTR	20'-3"	TRIM_21
3	DTR	2'-3"	TRIM_21
5	RVRT	20'-3"	TM11
6	RVRT	10"	TM11
7	RVPB	1'-4"	TM39
8	JCT	8'-0"	
9	JTA	8'-3"	TM31
10	HT	8'-6"	TM33
11	JCT	5'-0 1/2"	
12	JTA	5'-7"	TM31
13	JCT	3'-0 1/2"	
14	HT	3'-7"	TM33
15	ST	3'-7"	

FLANGE BRACE TABLE		
FRAME LINE 1		
ID	MARK	LENGTH
1	FB38.5	3'-2 1/2"



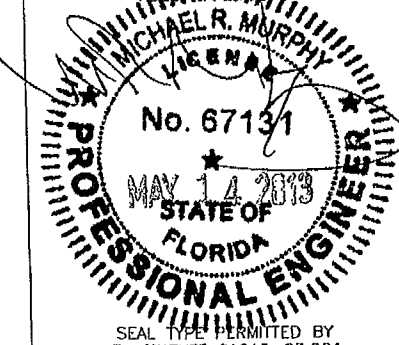
ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS 26 Gd REV PBR - NEED COLOR



KEY PLAN

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MICHAEL R. MURPHY P.E.
FLORIDA P.E. # 67131
500 VULCAN PARKWAY
LAKE CITY, FL 32055



SEAL TYPE PERMITTED BY
FL STATUTE 61615-23 001

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.

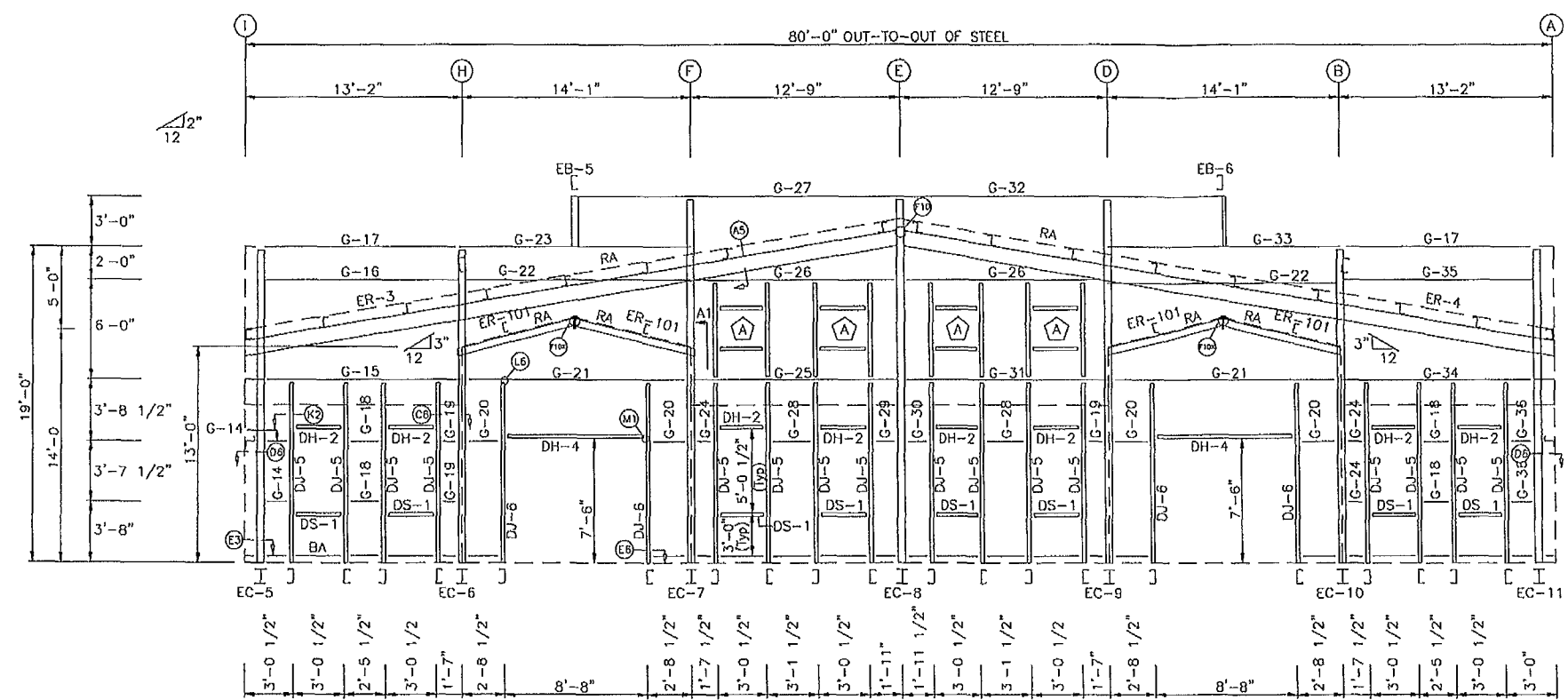
REVISIONS

REV	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPR

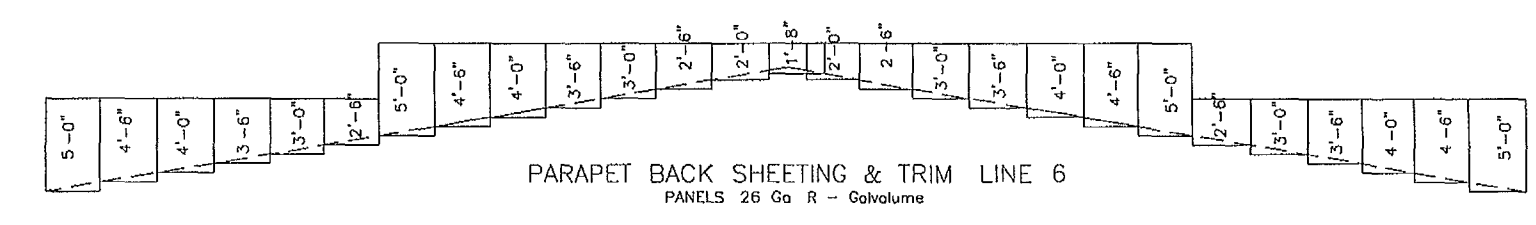
DRAWING STATUS
() FOR CONSTRUCTION
(X) FOR PERMIT ONLY
() FOR APPROVAL
() OTHER, EXPLAIN

PROJECT	BLDG. #1
ID	22059-1
PROJECT ADDRESS	LAKE CITY FL 32055

OFFICE/STORAGE BUILDING	ENDWALL FRAMING
DESIGN: ZJM	DRAFT:SKP/MMD
DATE: 4/30/13	CHECK: DMC
SHEET	9

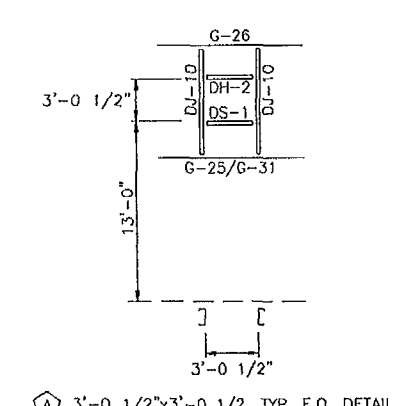


ENDWALL FRAMING: FRAME LINE 6

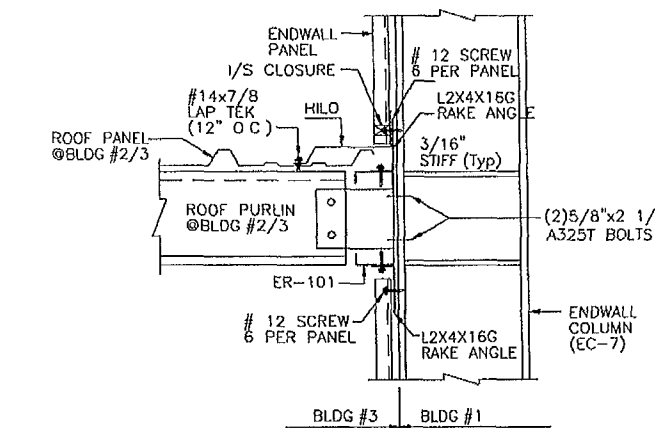


PARAPET BACK SHEETING & TRIM LINE 6
PANELS 26 Ga R - Galvalume

SEE SHEET #00 FOR SECTION B2



A 3'-0 1/2" x 3'-0 1/2" TYP F.O. DETAIL



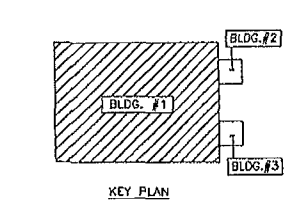
SECTION A1

BOLT TABLE
FRAME LINE 6

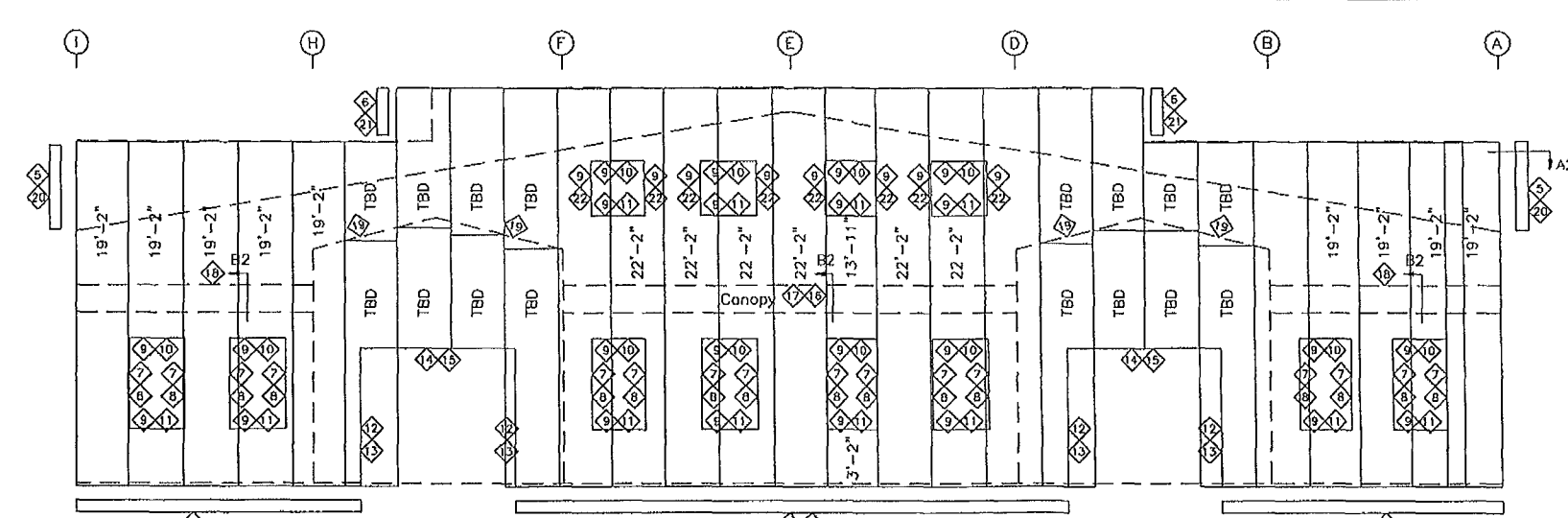
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-3/ER-4	4	A325T	5/8"	2 1/4"
ER-100/ER-101	3	A325T	5/8"	2 1/4"
Columns/ER-100	4	A325T	5/8"	2 1/4"
Columns/ER-101	4	A325T	5/8"	2 1/4"
Columns/Rof	2	A325T	1/2"	1 1/2"

MEMBER TABLE
FRAME LINE 6

MARK	PART	LENGTH
EB-5	8x35C16	2'-8 1/4"
EB-6	8x35C16	2'-8 1/4"
EC-5	W8X10	19'-0"
EC-6	W8X10	19'-0"
EC-7	W8X10	22'-0"
EC-8	W8X10	22'-0"
EC-9	W8X10	22'-0"
EC-10	W8X10	19'-0"
EC-11	W8X10	19'-0"
ER-3	8x25c14	40'-6 5/8"
ER-4	8x25c14	40'-6 5/8"
ER-100	8x25c16	7'-3 1/8"
ER-101	8x25c16	7'-3 1/8"
DJ-5	8x35C16	10'-8"
DJ-6	8x35C16	10'-8"
DJ-10	8x35C16	6'-0"
DH-2	8x35C16	3'-0 1/2"
DH-4	8x35C16	8'-8"
DS-1	8x35C16	3'-0 1/2"
G-14	8x25Z16	1'-5"
G-15	8x25Z16	11'-6 1/2"
G-16	8x25Z16	13'-3 1/2"
G-17	8x25C16	13'-1 1/2"
G-18	8x25Z16	1'-10"
G-19	8x25Z16	11 1/2"
G-20	8x25Z16	2'-1"
G-21	8x25Z16	13'-5 1/2"
G-22	8x25Z16	14'-4 1/2"
G-23	8x25C16	13'-9"
G-24	8x25Z16	1'-0"
G-25	8x25Z16	12'-1 1/2"
G-26	8x25Z16	12'-1 1/2"
G-27	8x25C16	19'-11 1/2"
G-28	8x25Z16	2'-6"
G-29	8x25Z16	1'-3 1/2"
G-30	8x25Z16	1'-4"
G-31	8x25Z16	12'-1 1/2"
G-32	8x25C16	19'-11 1/2"
G-33	8x25C16	13'-9"
G-34	8x25Z16	11'-6 1/2"
G-35	8x25Z16	13'-3 1/2"
G-36	8x25Z16	1'-4 1/2"



KEY PLAN



ENDWALL SHEETING & TRIM: FRAME LINE 6
PANELS 26 Ga PBU - Galvalume

TRIM TABLE
FRAME LINE 6

ID	MARK	LENGTH	DETAIL
1	DTR	20'-3"	TRIM_21
2	DTR	16'-2"	TRIM_21
3	DTR	11'-2"	TRIM_21
4	OAT	5'-3"	TM29
5	OAT	3'-3"	TM29
6	JCT	5'-0 1/2"	TM31
7	JCT	5'-7"	TM31
8	JCT	3'-9 1/2"	TM33
9	HTU	3'-7"	TM33
10	HTU	3'-7"	TM33
11	ST	3'-7"	TM31
12	JCT	7'-9"	TM31
13	JCT	7'-9"	TM31
14	JCT	8'-8"	TM33
15	HTU	9'-2"	TM33
16	BLTT	20'-3"	TRIM_9
17	BLTT	5'-9"	TRIM_9
18	BLTT	13'-5"	TRIM_9
19	HILO	7'-7"	TM29
20	VFEC	5'-3"	TM29
21	VFEC	3'-3"	TM29
22	JTU	3'-7"	TM29

GENERAL NOTES:
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REVISIONS

REV	DESCRIPTION	DATE	DLR	DATE	CHKR	APPR

DRAWING STATUS

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

STEELMAX BUILDINGS, INC.
PROJECT 80 x110 x14
DESIGN: ZJM
PROJECT ADDRESS LAKE CITY FL 32055

OFFICE/STORAGE BUILDING

ENDWALL FRAMING
DESIGN: ZJM DRAFT SKP/HMD CHECK DMC
DATE: 4/30/13 SHEET 10

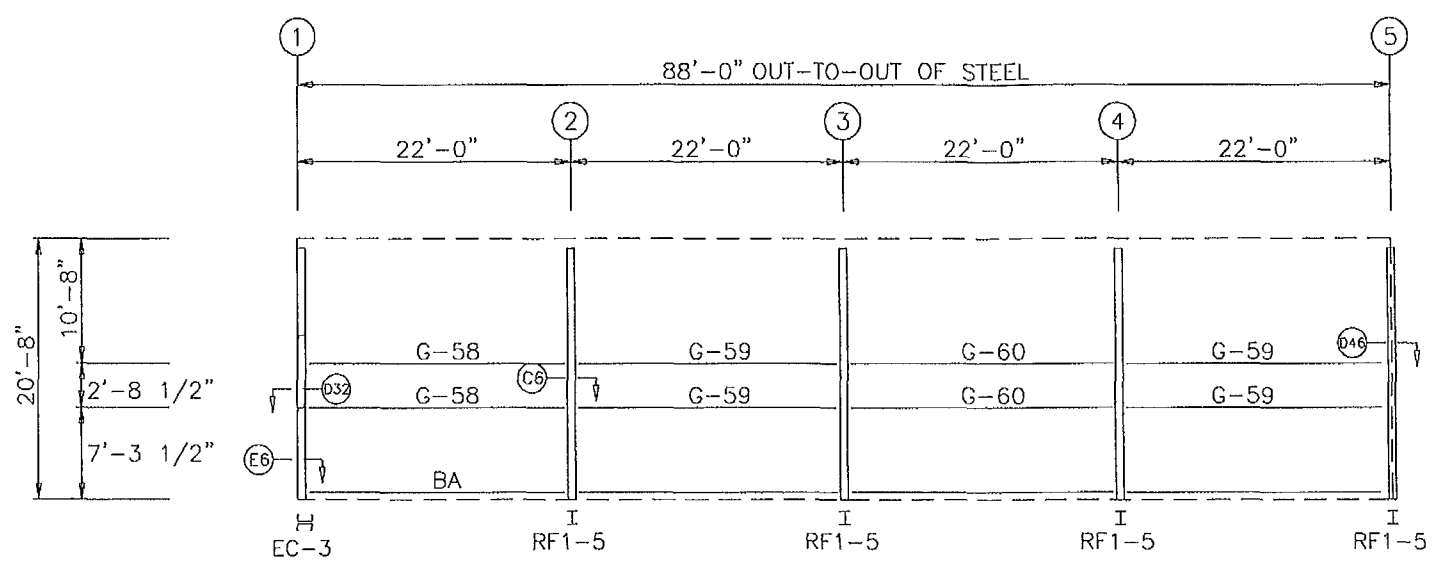
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MICHAEL R. MURPHY P.E.
FLORIDA P.E. # 67131
500 W. UNIVERSITY AVE
SUITE 300
LAKE CITY, FL 32055

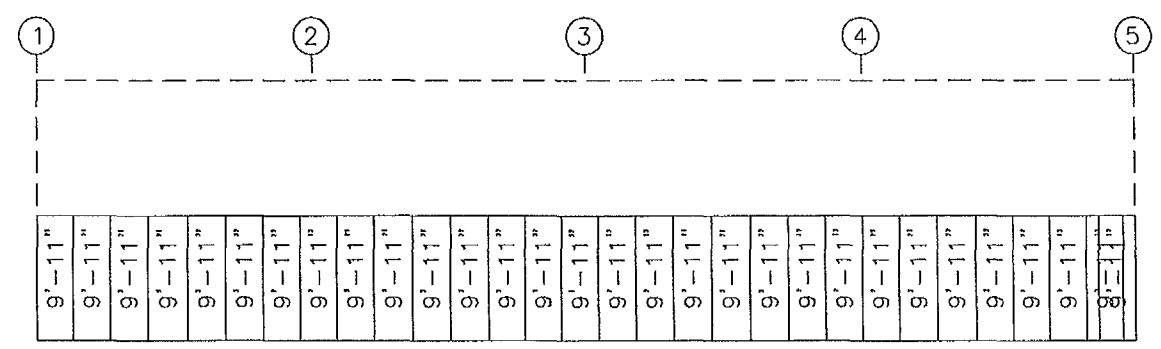
MICHAEL R. MURPHY
LICENSED
No. 67131
MAY 14 2013
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SEAL EXPIRATION DATE 12/31/2015
FL STATUTE 61G15-23.001

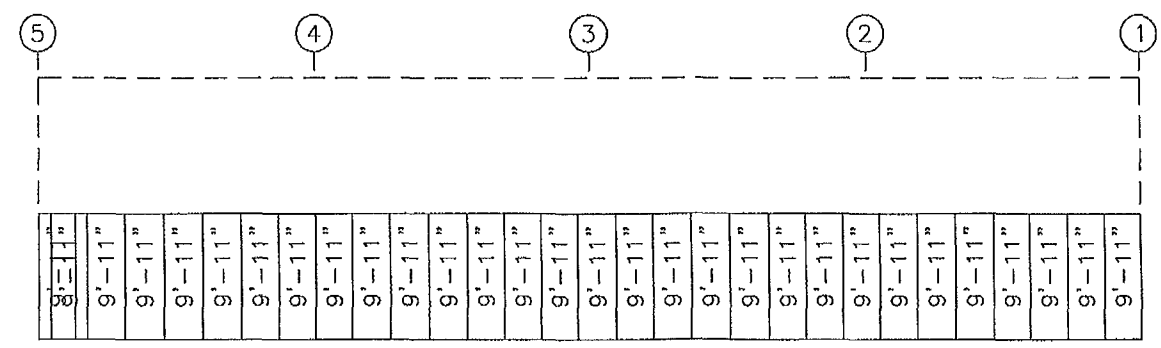
MEMBER TABLE		
PARTITION FRAME LINE E		
MARK	PART	LENGTH
G-58	8X25Z16	20'-7 7/16"
G-59	8X25Z16	21'-9 5/8"
G-60	8X25Z16	21'-7 7/8"



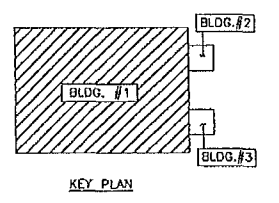
PARTITION FRAMING: FRAME LINE E



PARTITION FRONT SHEETING & TRIM
PANELS: 26 Ga REV PBR - Polar White



PARTITION BACK SHEETING & TRIM
PANELS 26 Ga. REV. PBR - Galvalume



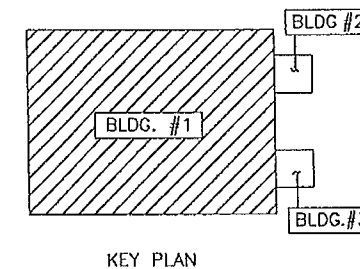
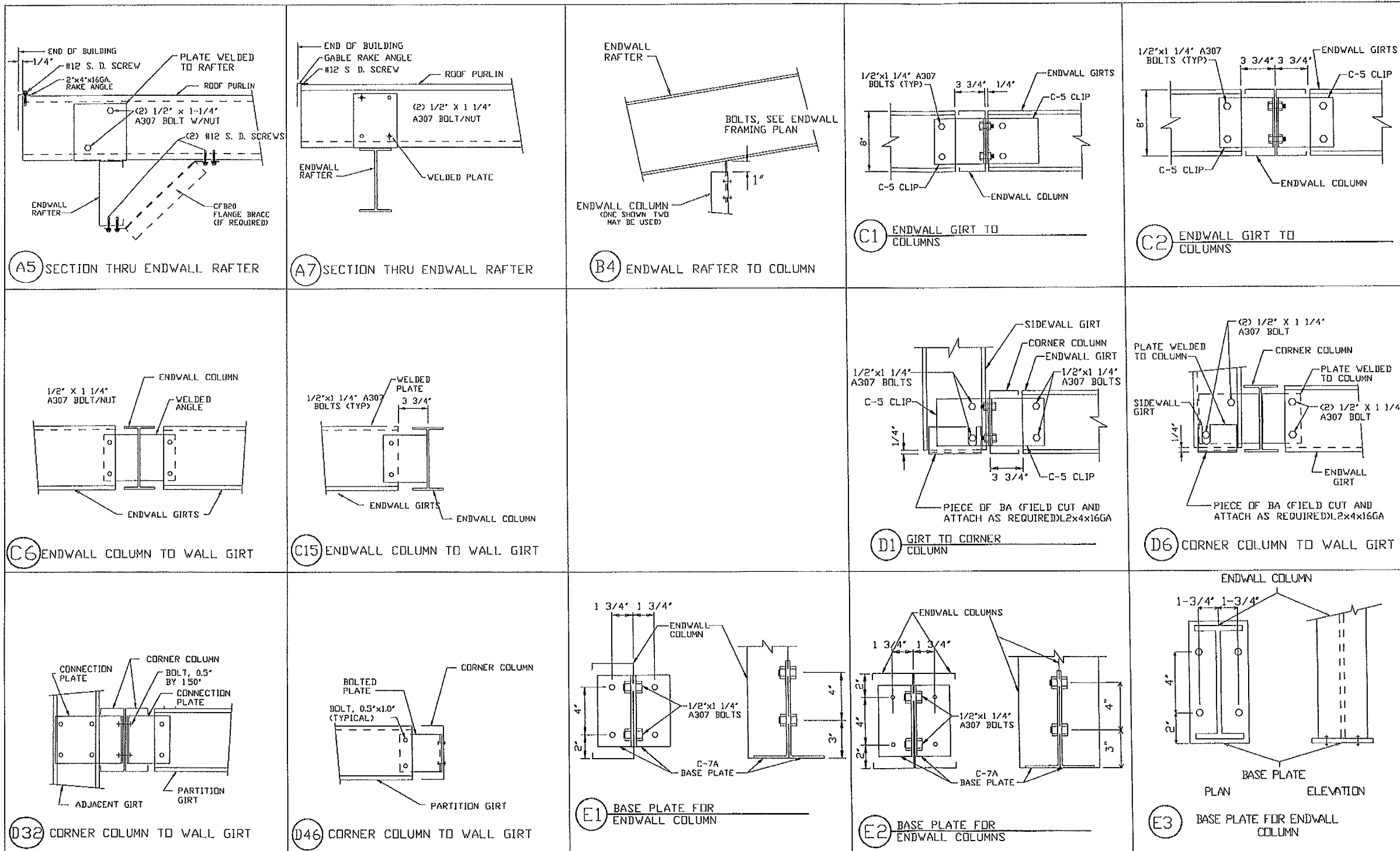
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FLORIDA P.E. # 67131
500 VULCAN PARKWAY
ADEL, GA 31820

MICHAEL R. MURPHY
LICENSE
No. 67131
MAY 14 2013
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

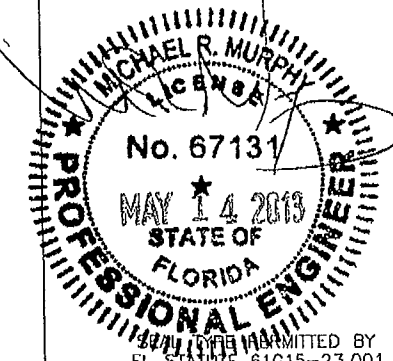
SEAL NOTED BY
FL STATUTE 61615-23.001

REVISIONS							DRAWING STATUS		STEELMAX BUILDINGS, INC.		OFFICE/STORAGE BUILDING	
REV	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	() FOR CONSTRUCTION	PROJECT	80 x 110 x 14	PARTITION FRAMING	DESIGN ZJM	DRAFT-SKP/MMD
							(X) FOR PERMIT ONLY	ID	22059-1	CHECK DMC	DATE 4/30/13	SHEET 11
							() FOR APPROVAL	PROJECT	LAKE CITY FL 32055			
							() OTHER, EXPLAIN	ADDRESS				

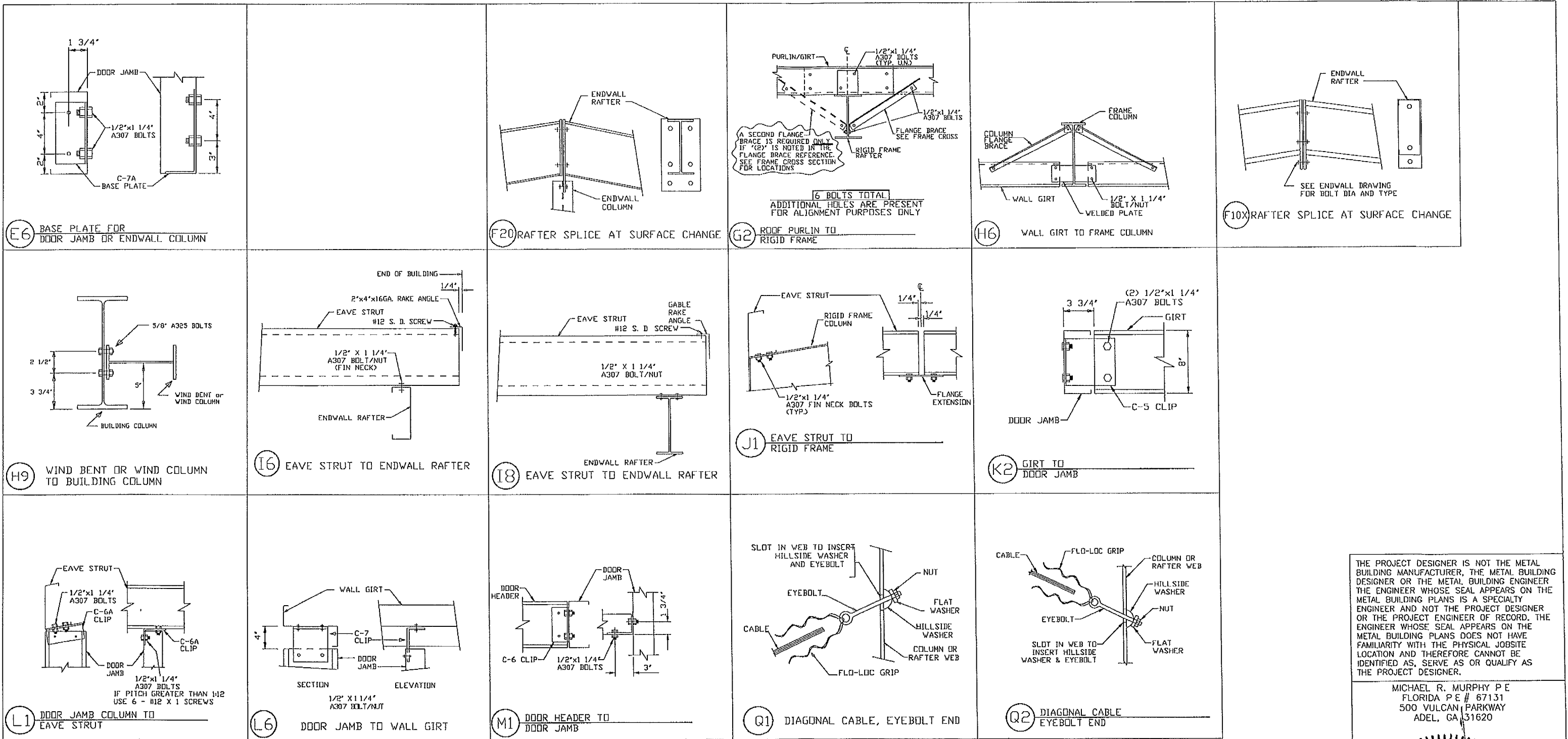


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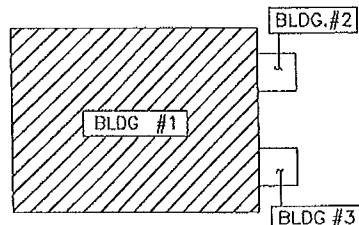
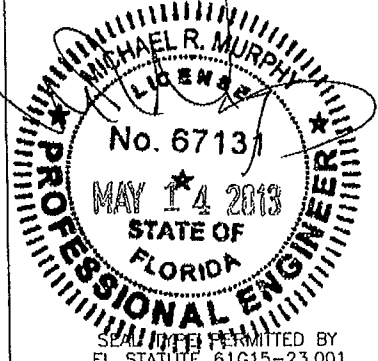


REVISIONS							DRAWING STATUS		STEELMAX BUILDINGS, INC.		OFFICE/STORAGE BUILDING	
REV	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD	() FOR CONSTRUCTION	PROJECT	80 x 110 x 14	DETAIL DRAWINGS	DESIGN: ZJM	DRAFT: SKP/MMD
							(X) FOR PERMIT ONLY	ID	22059-1		DATE: 4/30/13	SHEET: 12
							() FOR APPROVAL	PROJECT ADDRESS	LAKE CITY FL 32055			
							() OTHER, EXPLAIN					



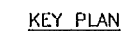
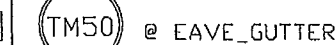
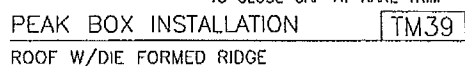
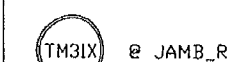
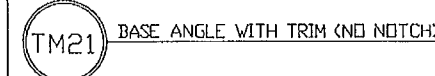
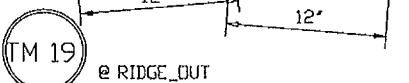
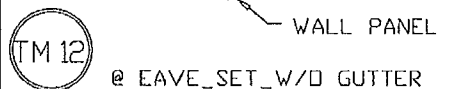
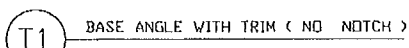
THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER, THE METAL BUILDING ENGINEER, THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS DOES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

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



KEY PLAN

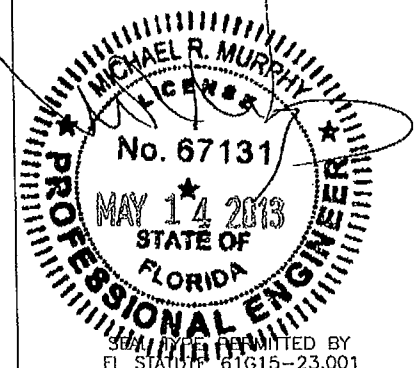
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REV	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	[]	FOR CONSTRUCTION	PROJECT	80 x 110 x 14	DETAIL DRAWINGS	
							[X]	FOR PERMIT ONLY	ID	22059-1	DESIGN: ZJM	DRAFT: SKP/MMD
							[]	FOR APPROVAL	PROJECT ADDRESS	LAKE CITY FL 32055	DATE 4/30/13	SHEET 13
							[]	OTHER, EXPLAIN				

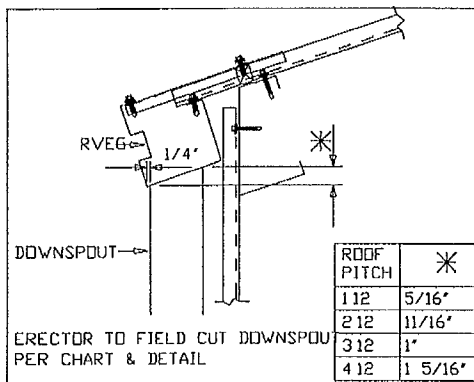


DRAWING STATUS
☐ FOR CONSTRUCTION
☒ FOR PERMIT ONLY
☐ FOR APPROVAL
☐ OTHER, EXPLAIN

OFFICE/STORAGE BUILDING		
DETAIL DRAWINGS		
DESIGN ZJM	DRAFT SKP/MMD	CHECK DMC
DATE 4/30/13	SHEET 14	

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FLORIDA P.E.# 67131
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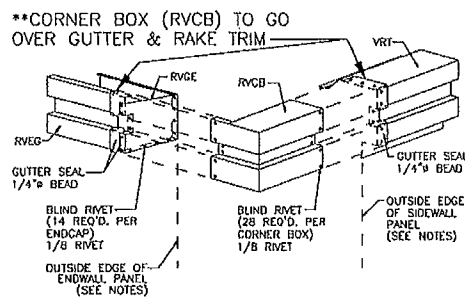




ROOF PITCH	*
112	5/16"
212	11/16"
312	1"
412	1 5/16"

ERECTOR TO FIELD CUT DOWNSPOUT PER CHART & DETAIL

TM51 DOWNSPOUT MITER CHART

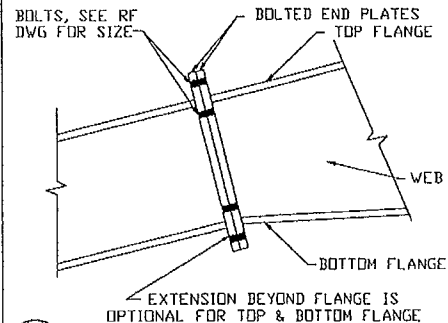


- NOTES:
- 1 START AND STOP GUTTER AND RAKE FLASHING AT OUTSIDE EDGE OF WALL PANEL AT CORNERS
 - 2 CORNER BOX CAN BE USED ON ALL ROOF SLOPES.

SAFETY PRECAUTION: WORKERS SHOULD ALWAYS WEAR GLOVES WHEN HANDLING METAL SURFACES WITH SHARP EDGES.

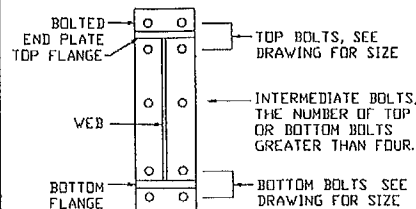
CORNER BOX INSTALLATION

TM52

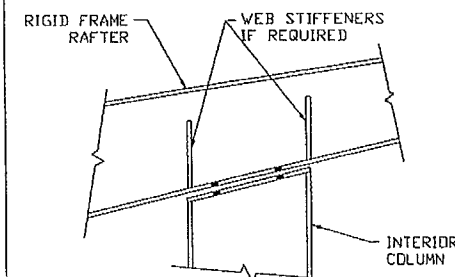


U1 BOLTED END PLATE RAFTER SPLICE

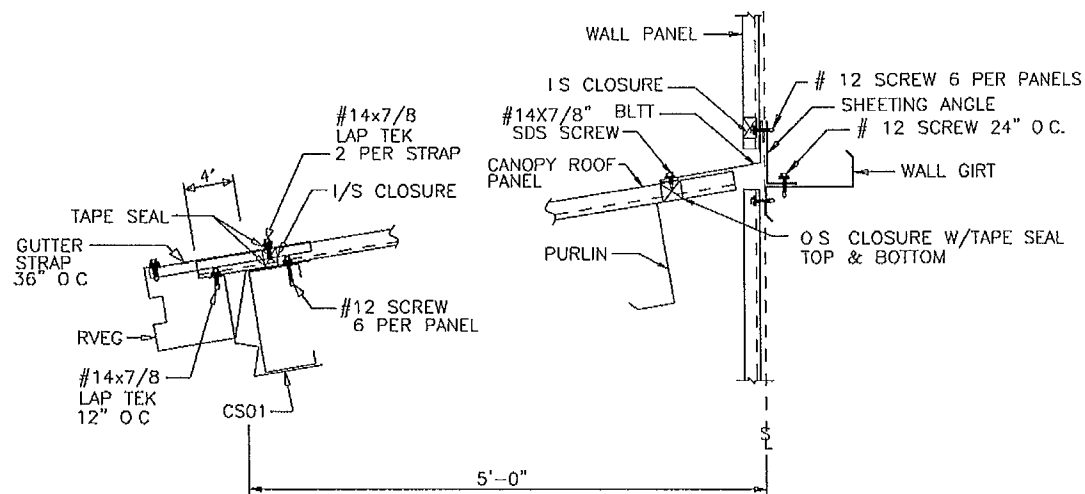
ERECTOR NOTE:
CONNECTION WILL VARY FROM THIS DETAIL DUE TO DESIGN LOADS AND BUILDING SIZE, REFERENCE CROSS SECTION DRAWING FOR ACTUAL CONNECTION TYPES.



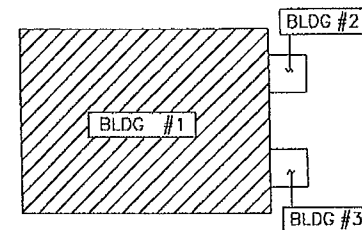
U3 BOLTS FOR RAFTER TO COLUMN CONNECTION



V1 INTERIOR COLUMN TO RAFTER



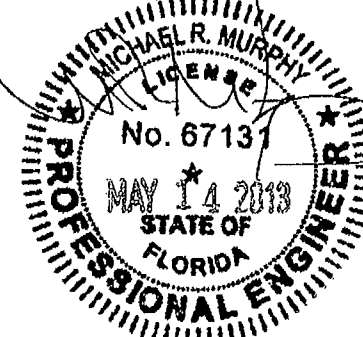
SECTION B2



KEY PLAN

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



SEAL TYPE PERMITTED BY FL STATUTE 61G15-23.001

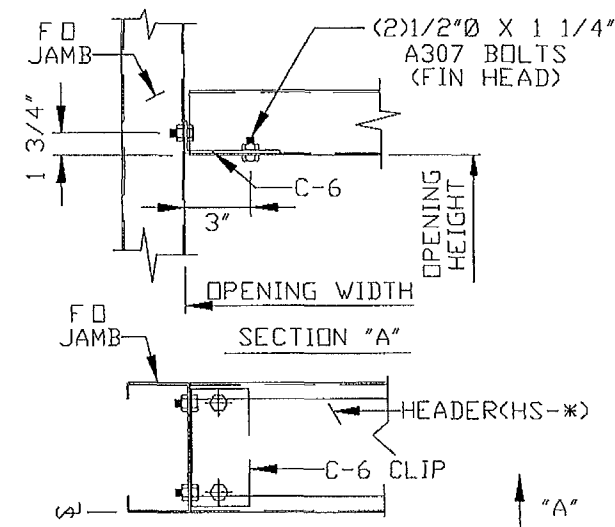
REV	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

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

STEELMAX BUILDINGS, INC	PROJECT
80 x 110 x 14	ID
22059-1	PROJECT ADDRESS
LAKE CITY FL 32055	

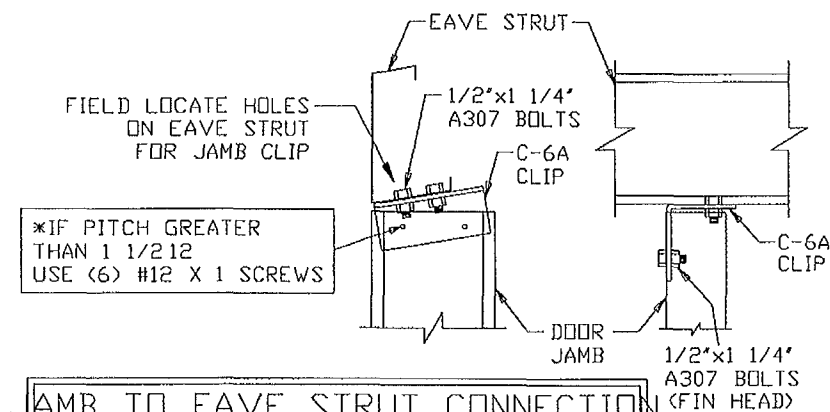
OFFICE/STORAGE BUILDING	DETAIL DRAWINGS
DESIGN: ZJM	DRAFT SKP/MMD
CHECK: DMC	DATE 4/30/13
SHEET 15	

- 1 SEE DETAILS FOR BOLT AND FRAMING REQUIREMENTS
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- 3 THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE INSTALLATION INSTRUCTIONS PROVIDED BY THE ACCESSORY MANUFACTURER

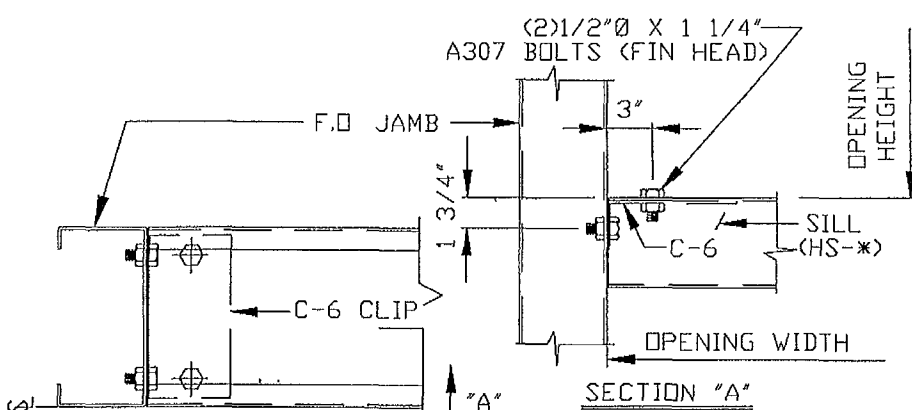


JAMB TRIM DETAIL

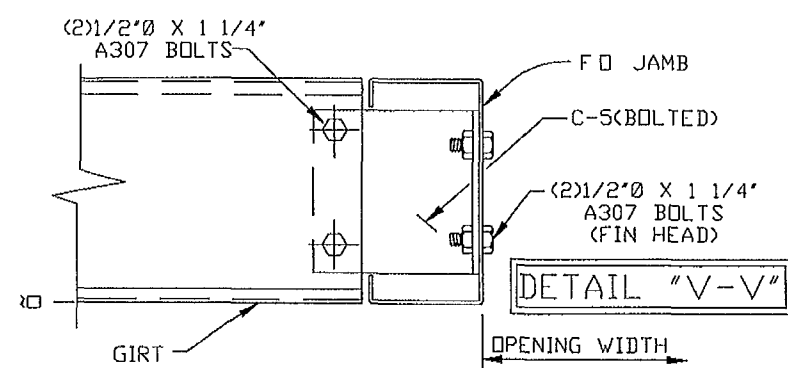
HEADER TO JAMB CONNECTION



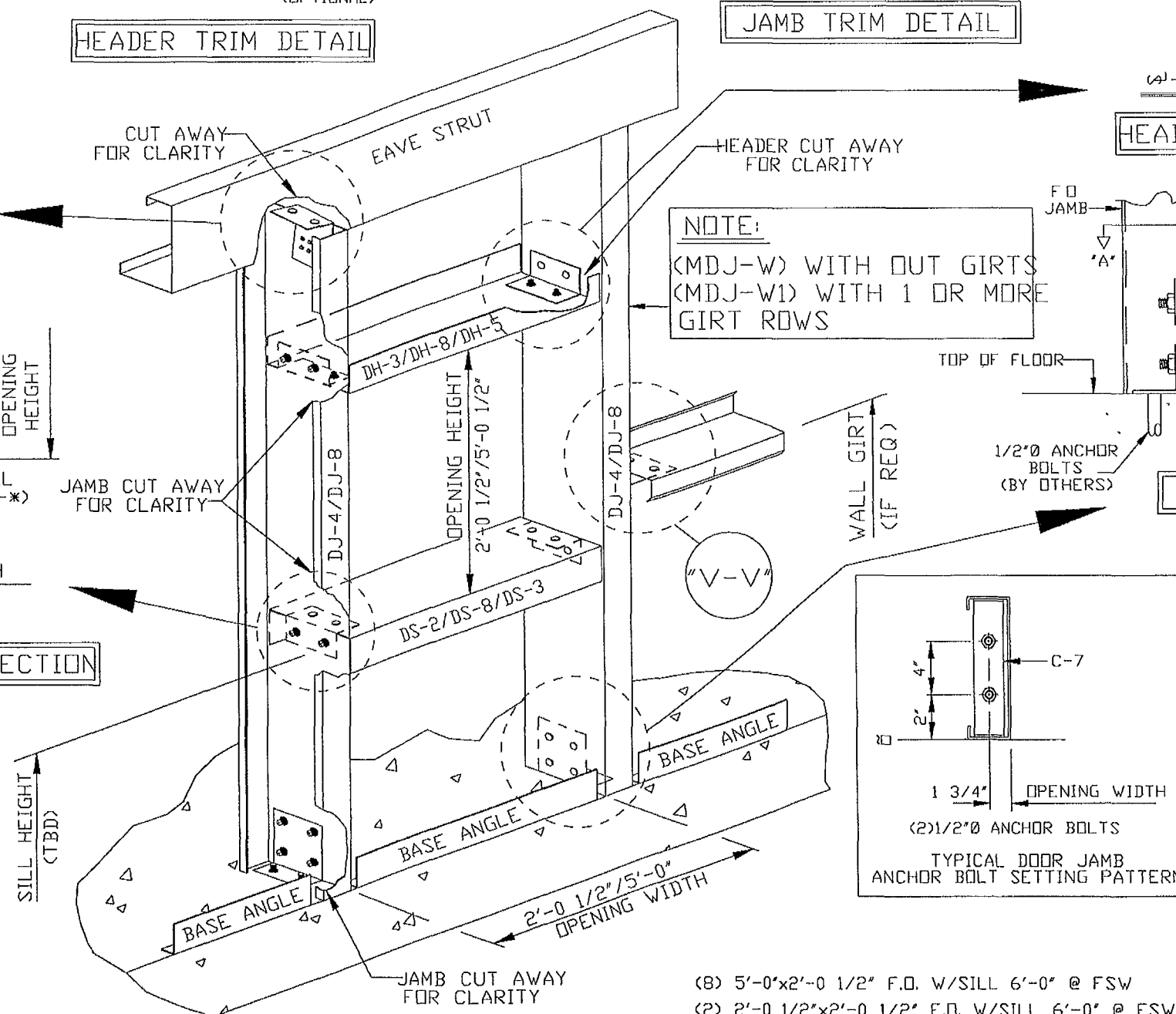
JAMB TO EAVE STRUT CONNECTION



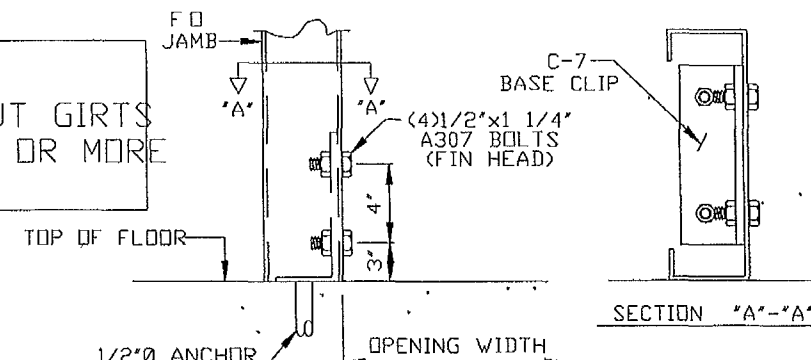
SILL TO JAMB CONNECTION



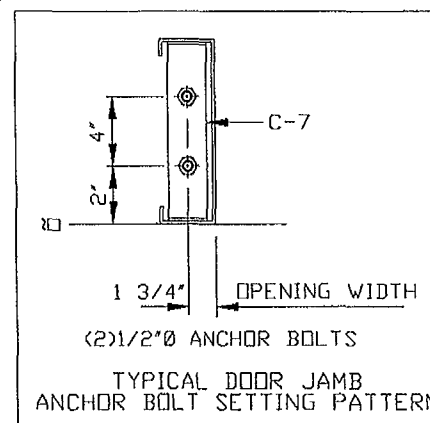
DETAIL "V-V"



(MDJ-W) WITH OUT GIRTS
(MDJ-W1) WITH 1 OR MORE
GIRT ROWS



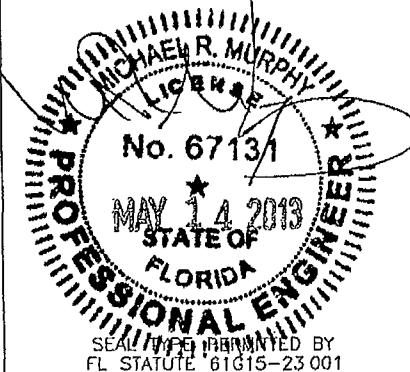
JAMB TO SLAB CONNECTION



TYPICAL DOOR JAMB
ANCHOR BOLT SETTING PATTERN

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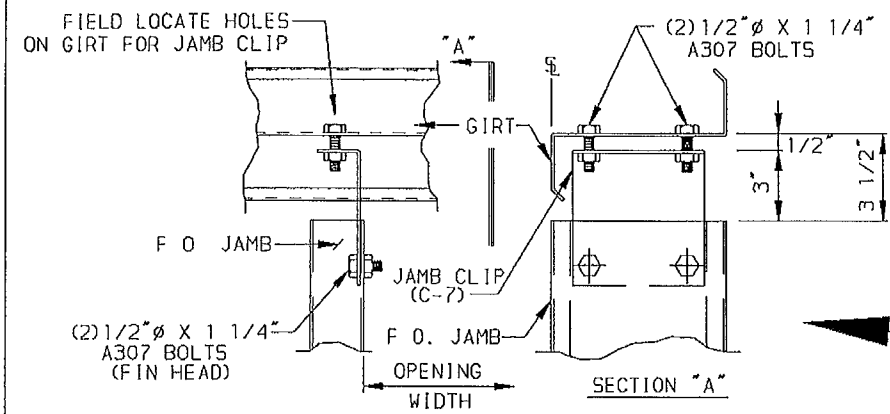
MICHAEL R MURPHY P.E.
FLORIDA P E # 167131
500 VULCAN PARKWAY
ADEL, GA 31620



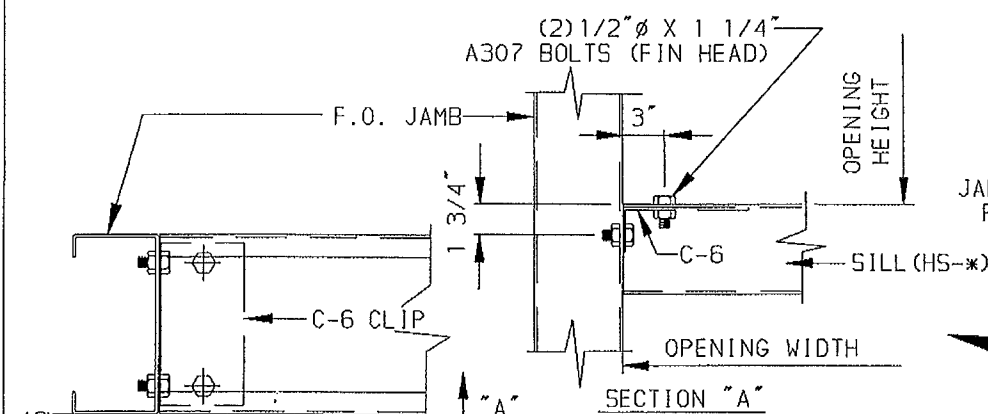
SEAL TYPE PERMITTED BY
FL STATUTE 61G15-23 001

REVISONS							DRAWING STATUS		STEELMAX BUILDINGS, INC		OFFICE/STORAGE BUILDING	
REV	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD	() FOR CONSTRUCTION	PROJECT	80 x110 x14	FRAME OPENING DETAIL		
							(X) FOR PERMIT ONLY	ID	22059-1	DESIGN	ZJM	DRAFT SKP/MMD
							() FOR APPROVAL	PROJECT	LAKE CITY FL 32055	DATE	4/30/13	SHEET
							() OTHER, EXPLAIN	ADDRESS				16

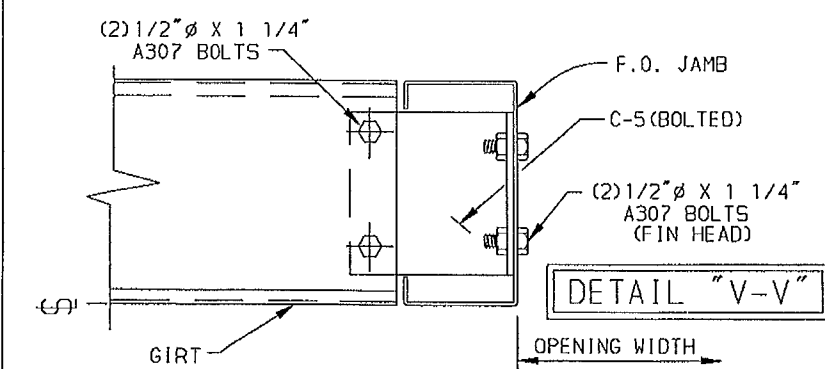
NOTES:
 1. SEE DETAILS FOR BOLT AND FRAMING REQUIREMENTS.
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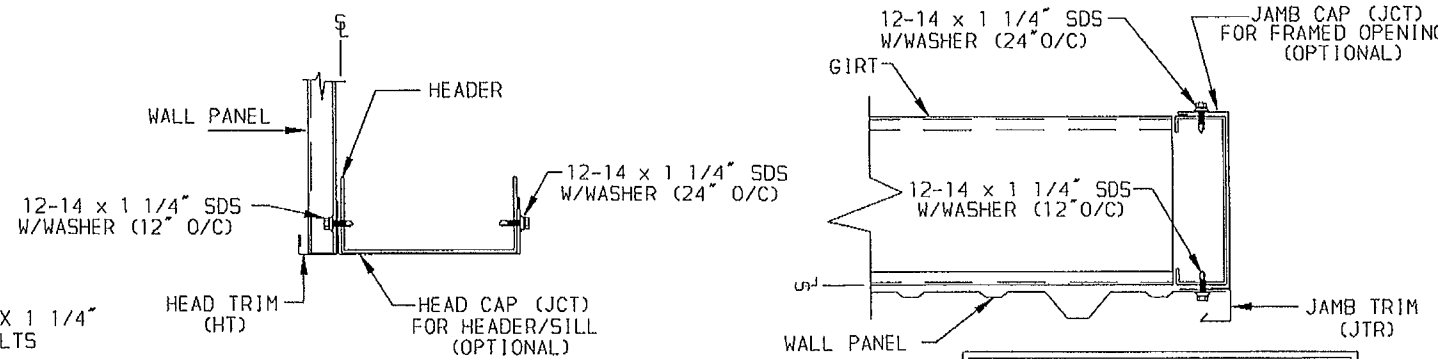
JAMB TO GIRT CONNECTION



SILL TO JAMB CONNECTION

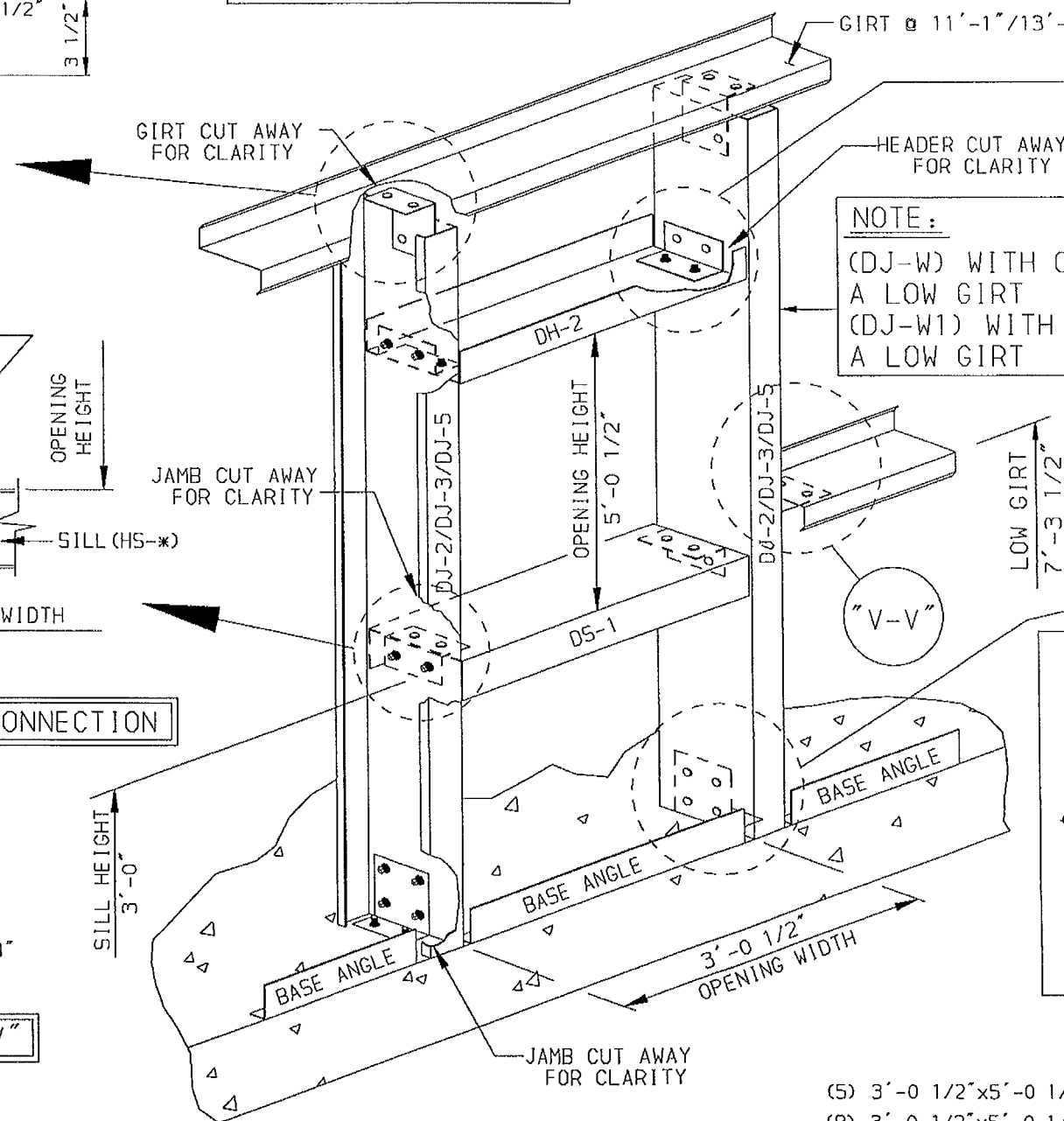


DETAIL "V-V"

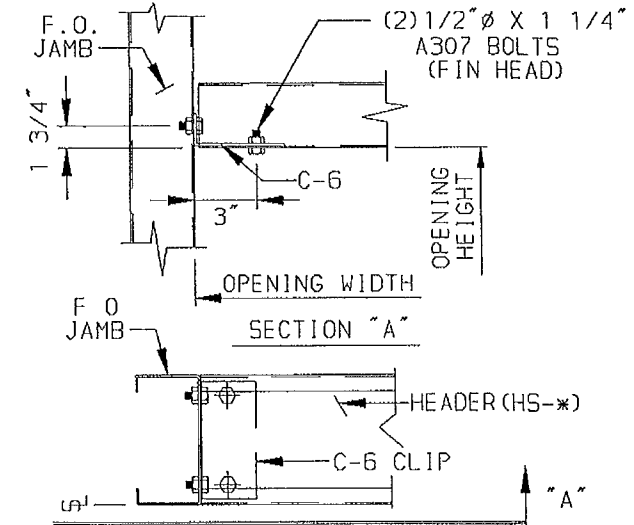


HEADER TRIM DETAIL

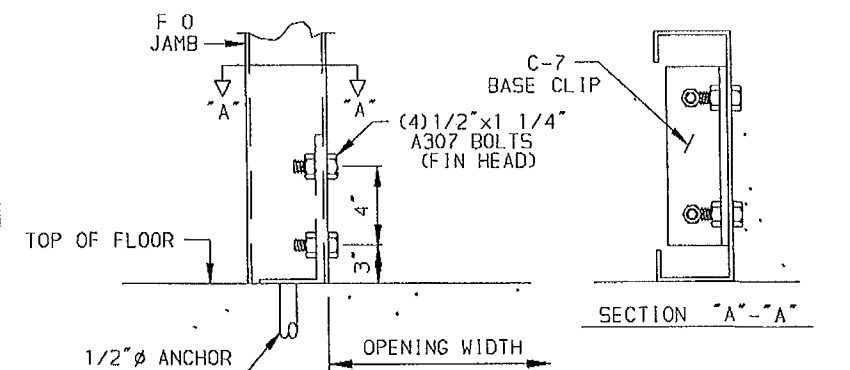
JAMB TRIM DETAIL



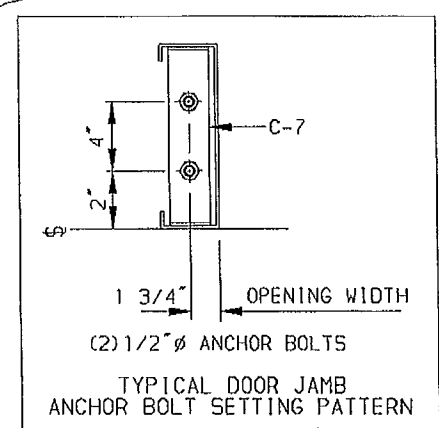
NOTE:
 (DJ-W) WITH OUT A LOW GIRT
 (DJ-W1) WITH A LOW GIRT



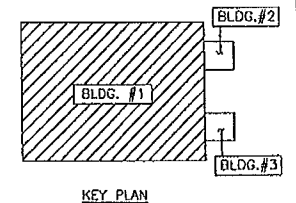
HEADER TO JAMB CONNECTION



JAMB TO SLAB CONNECTION



TYPICAL DOOR JAMB ANCHOR BOLT SETTING PATTERN

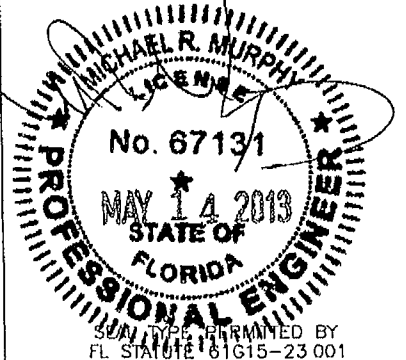


KEY PLAN

- (5) 3'-0 1/2"x5'-0 1/2" F.O. W/SILL 3'-0" @ LEW
- (8) 3'-0 1/2"x5'-0 1/2" F.O. W/SILL 3'-0" @ REW

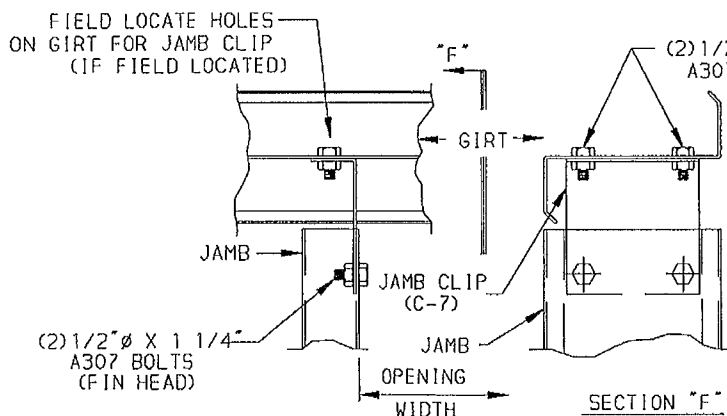
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 FLORIDA P.E. # 67131
 500 VULCAN PARKWAY
 ADEL, GA 31620

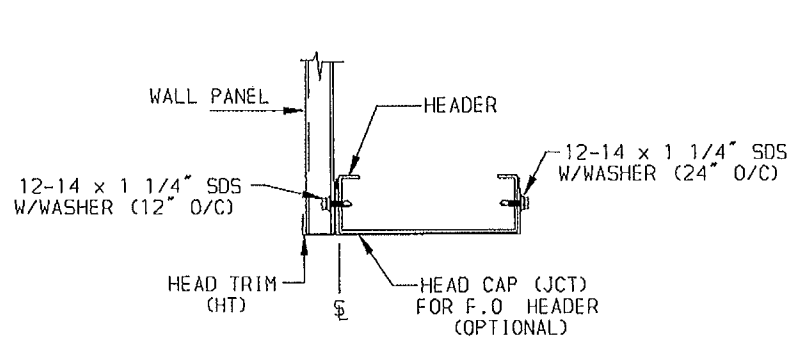
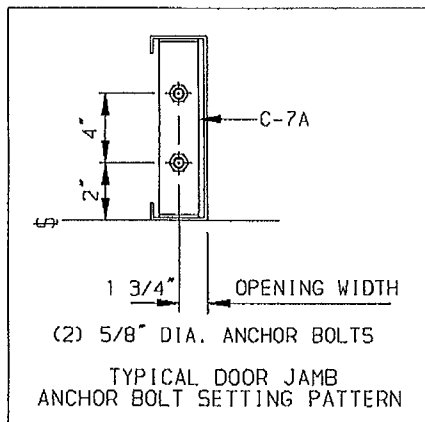
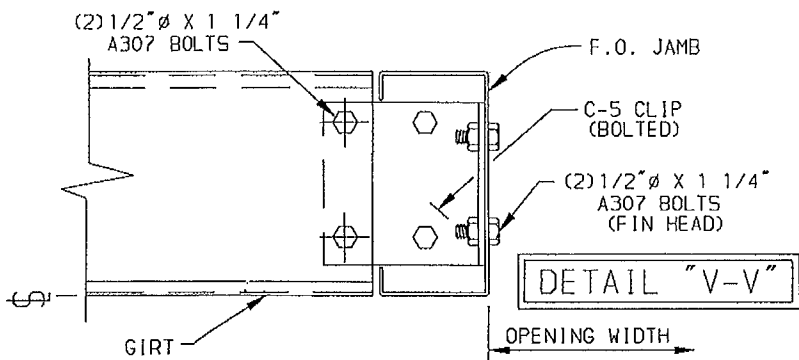


REVISIONS						DRAWING STATUS		STEELMAX BUILDINGS, INC.		OFFICE/STORAGE BUILDING	
REV	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD		PROJECT	80 x 110 x 14	DETAIL DRAWINGS	
							() FOR CONSTRUCTION	ID	22059-1	DESIGN ZJM	DRAFT:SKP/MMD
							(X) FOR PERMIT ONLY	PROJECT ADDRESS	LAKE CITY FL 32055	CHECK DMC	
							() FOR APPROVAL			DATE 4/30/13	SHEET 17
							() OTHER, EXPLAIN				

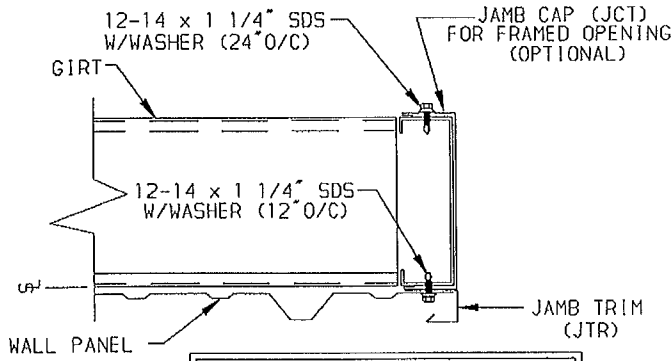
- NOTES:
1. SEE DETAILS FOR BOLT AND FRAMING REQUIREMENTS
 2. FIELD CUT AND WORK GIRTS, PANELS & TRIM AS REQUIRED (IF FIELD LOCATED)
 3. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE INSTALLATION INSTRUCTIONS PROVIDED BY THE ACCESSORY MANUFACTURER.



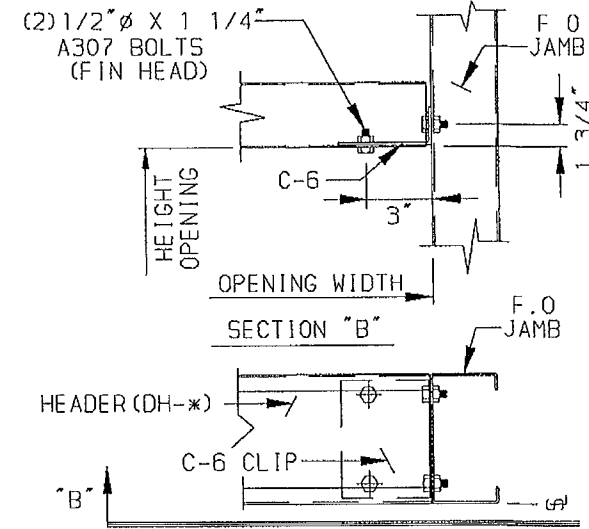
JAMB TO TOP GIRT CONNECTION



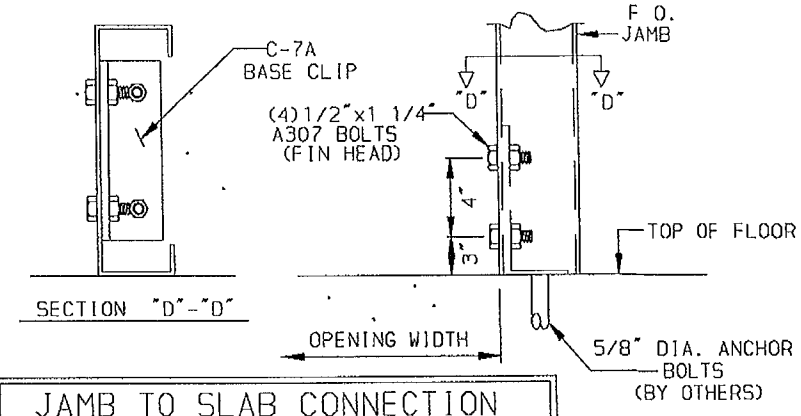
HEADER TRIM DETAIL



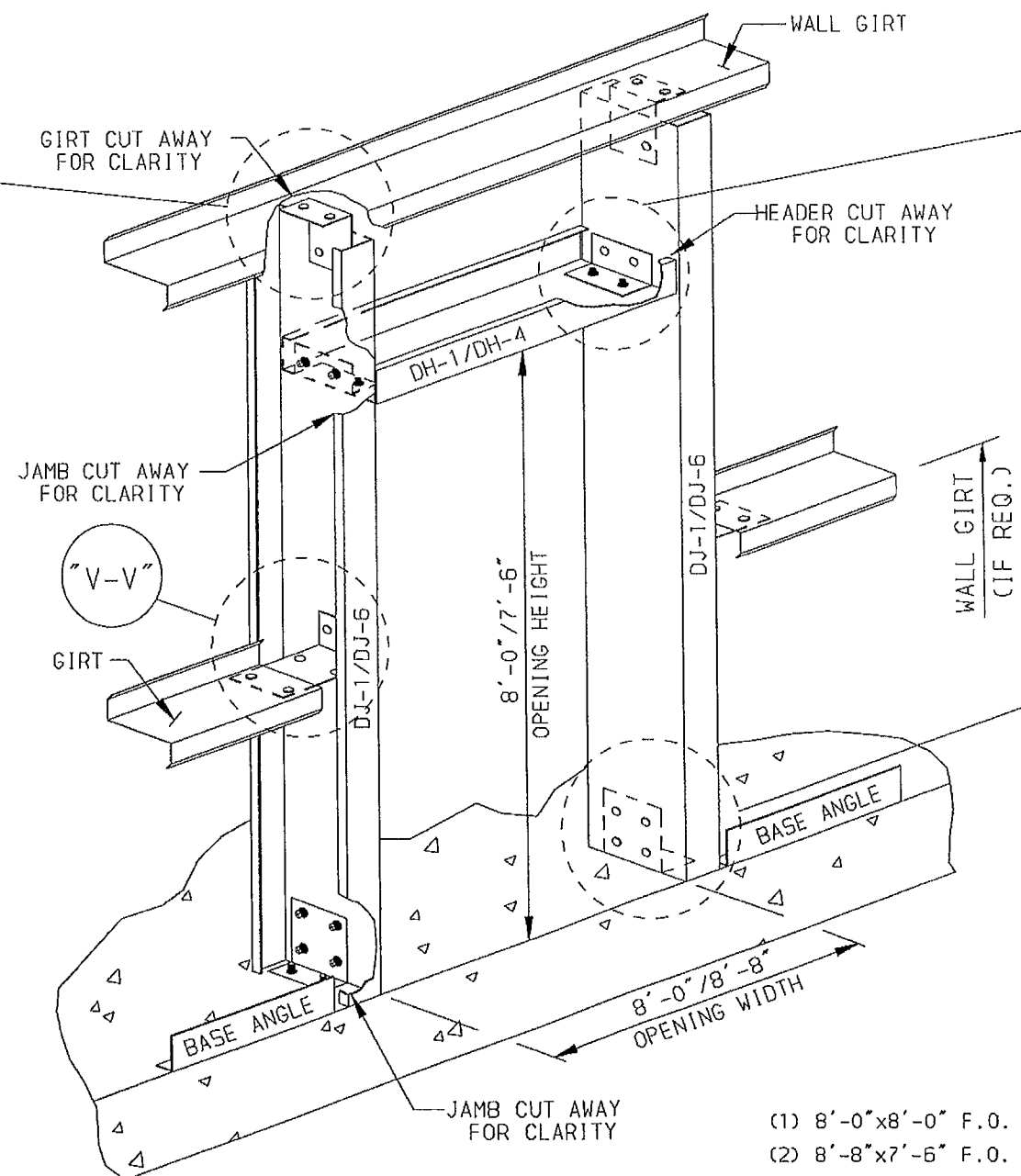
JAMB TRIM DETAIL



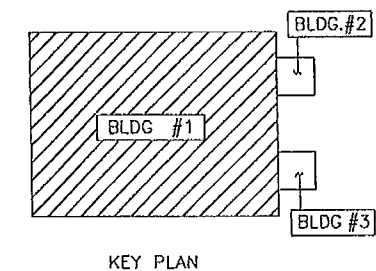
HEADER TO JAMB CONNECTION



JAMB TO SLAB CONNECTION



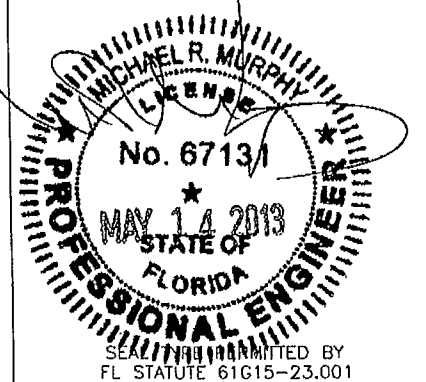
- (1) 8'-0"x8'-0" F.O. @ LEW
- (2) 8'-8"x7'-6" F.O. @ REW



KEY PLAN

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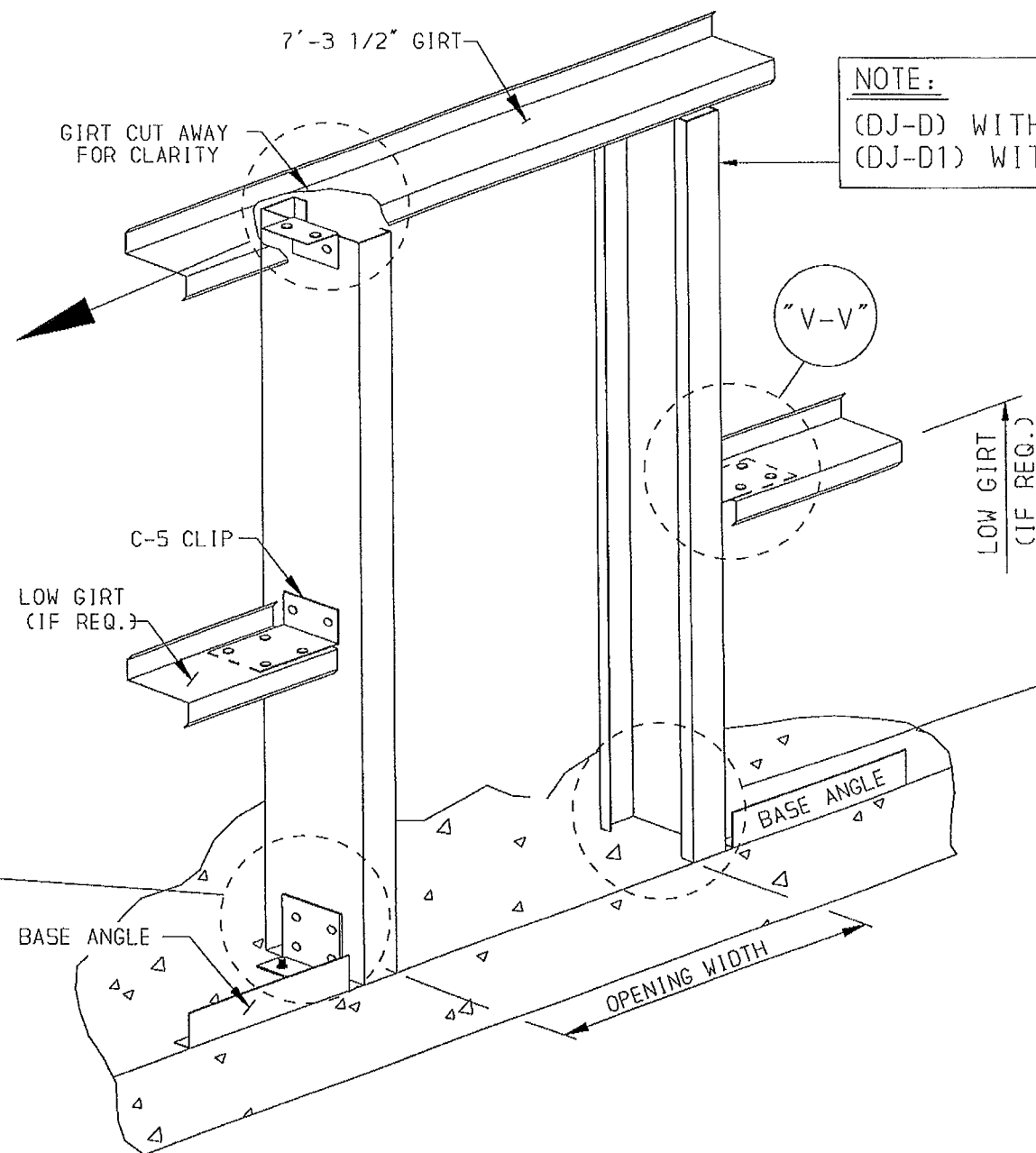
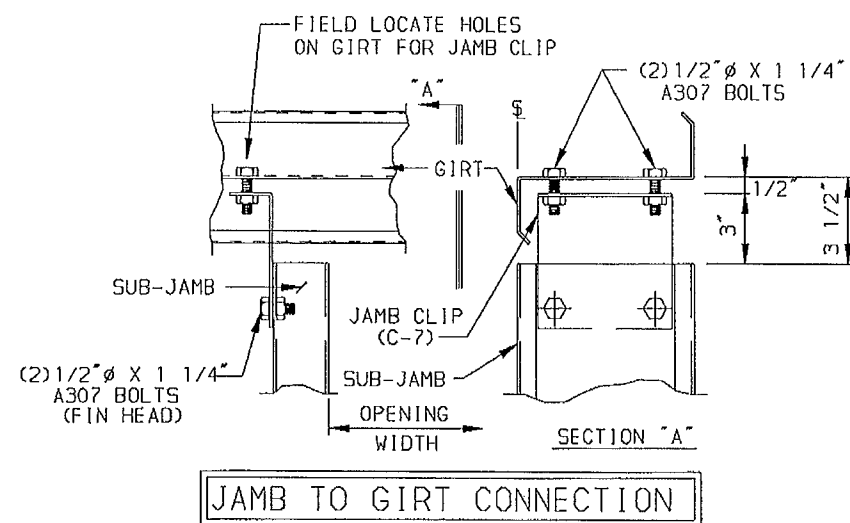
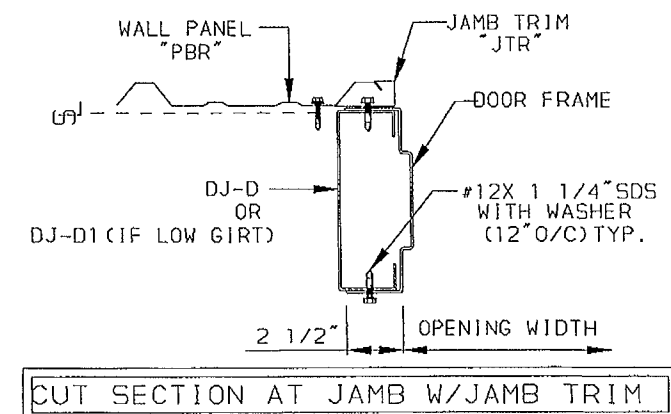
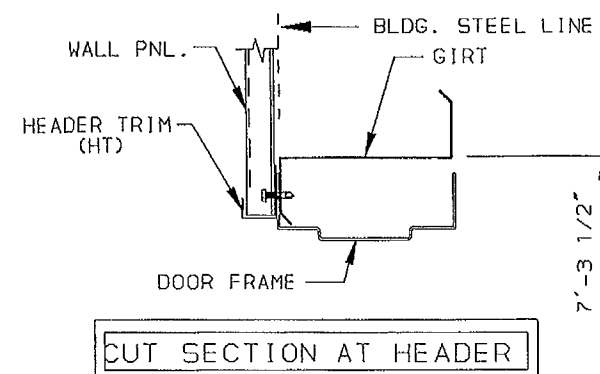
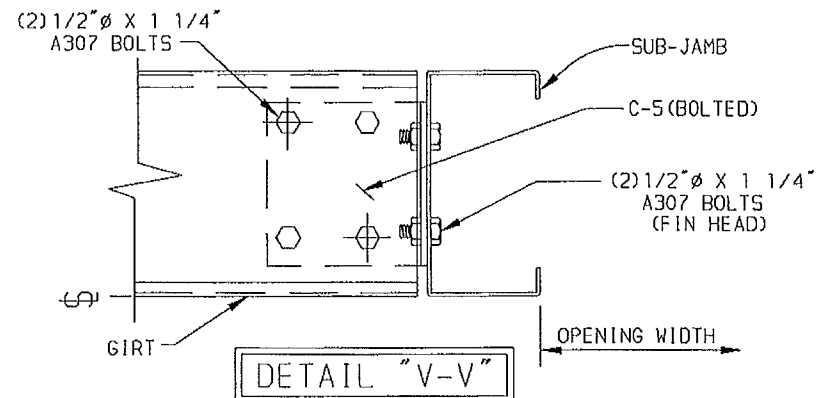
MICHAEL R. MURPHY P.E.
FLORIDA P.E.# 67131
500 VULCAN PARKWAY
ADEL, GA 31620



REVISIONS							DRAWING STATUS		STEELMAX BUILDINGS, INC.		OFFICE/STORAGE BUILDING	
REV	DESCRIPTION	DATE	DLR	DATE	CHKR	APPD	[] FOR CONSTRUCTION		PROJECT	80 x 110 x 14	DETAIL DRAWINGS	
							[X] FOR PERMIT ONLY		ID	22059-1	DESIGN: ZJM DRAFT SKP/MMD CHECK DMC	
							[] FOR APPROVAL		PROJECT	LAKE CITY FL 32055	DATE 4/30/13 SHEET 18	
							[] OTHER, EXPLAIN		ADDRESS			

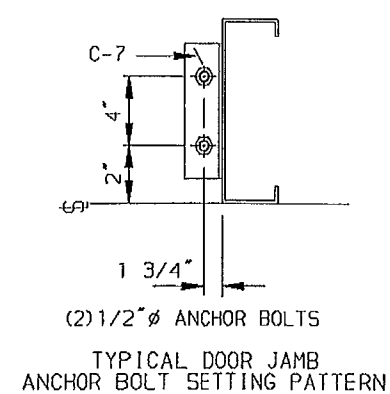
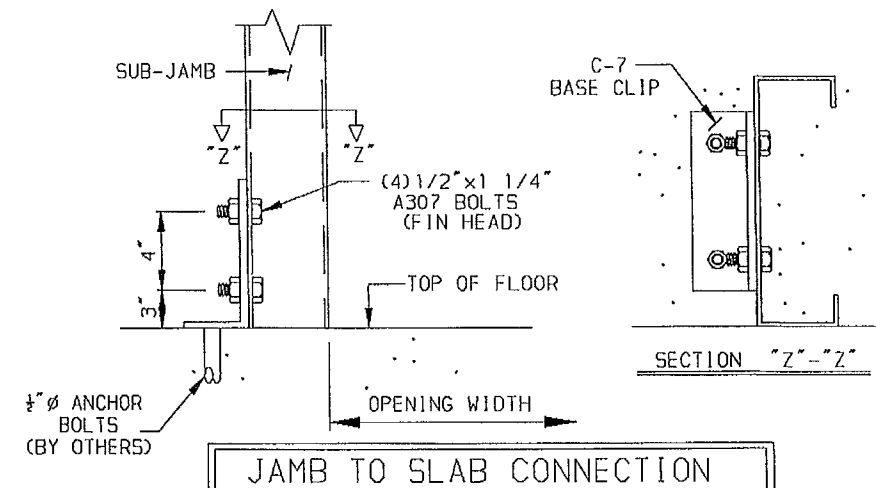
NOTES:

1. SEE DETAILS FOR BOLT AND FRAMING REQUIREMENTS.
2. FIELD CUT AND WORK GIRTS, PANELS, AND TRIM AS REQUIRED
3. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE INSTALLATION INSTRUCTIONS PROVIDED BY THE ACCESSORY MANUFACTURER
4. SUB-JAMBS FOR WALK DOORS ARE OPTIONAL UNLESS LOW GIRTS ARE PRESENT.

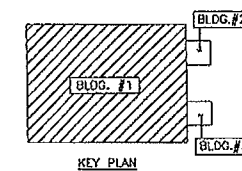


NOTE:

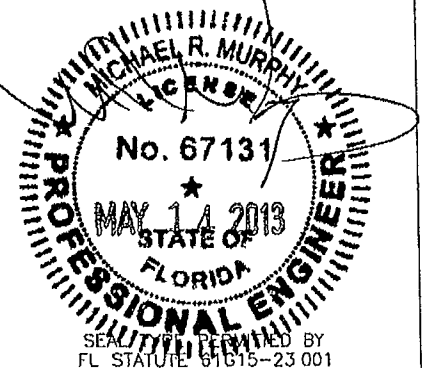
(DJ-D) WITH OUT A LOW GIRT
(DJ-D1) WITH A LOW GIRT



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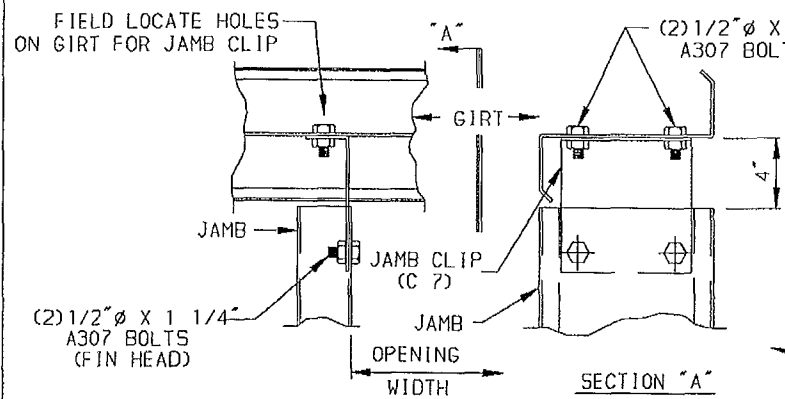
REVISIONS						
REV	DESCRIPTION	DATE	DLR	DATE	CHKR	APPR

DRAWING STATUS
☐ FOR CONSTRUCTION
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☐ OTHER, EXPLAIN

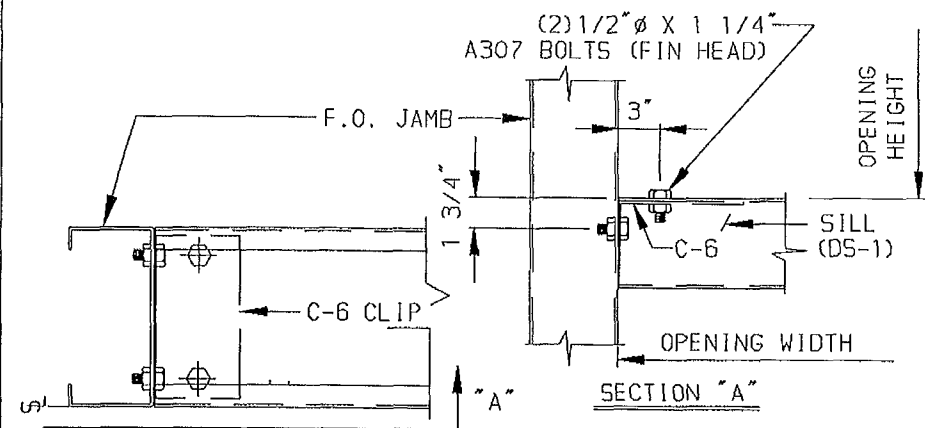
STEELMAX BUILDINGS, INC.
 PROJECT 80 x 110 x 14
 ID 22059-1
 PROJECT ADDRESS LAKE CITY FL 32055

OFFICE/STORAGE BUILDING
 DETAIL DRAWINGS
 DESIGN: ZJM DRAFT: SKP/MMD CHECK: DMC
 DATE 4/30/13 SHEET 19

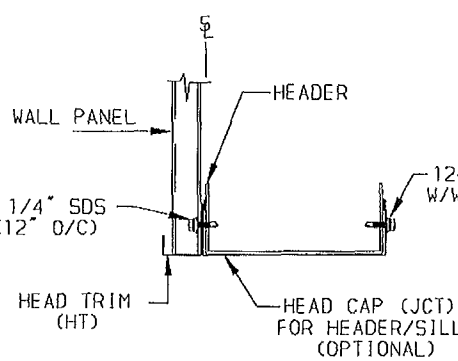
NOTES:
 1. SEE DETAILS FOR BOLT AND FRAMING REQUIREMENTS.
 2. FIELD CUT AND WORK GIRTS, PANELS, AND TRIM AS REQUIRED.
 3. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE INSTALLATION INSTRUCTIONS PROVIDED BY THE ACCESSORY MANUFACTURER.



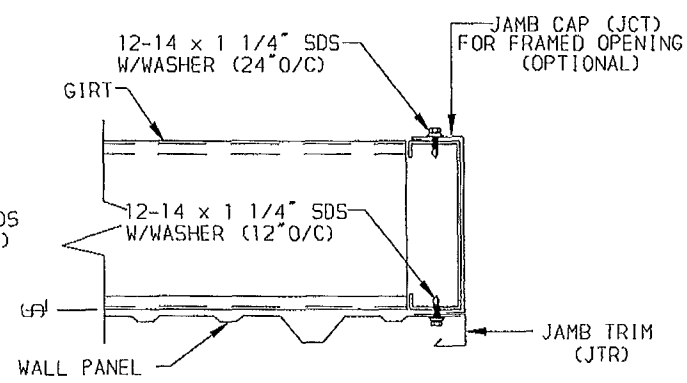
JAMB TO TOP GIRT CONNECTION



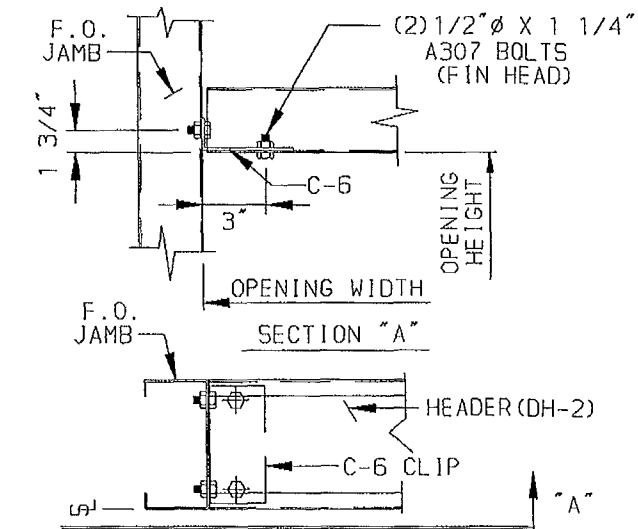
SILL TO JAMB CONNECTION



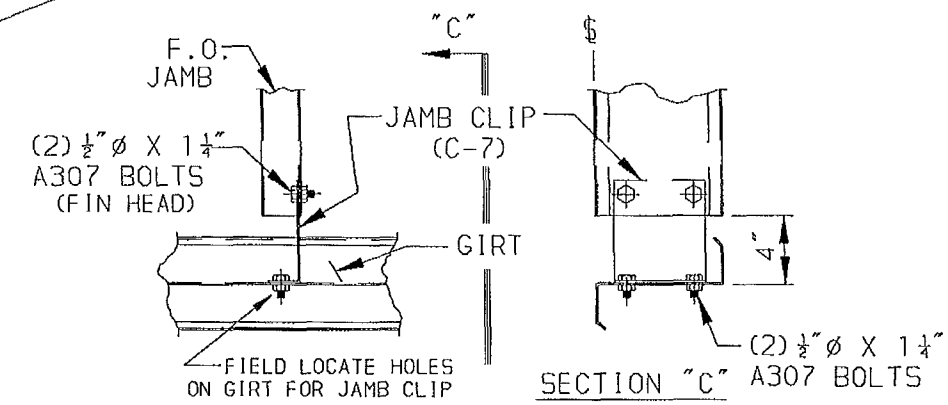
HEADER TRIM DETAIL



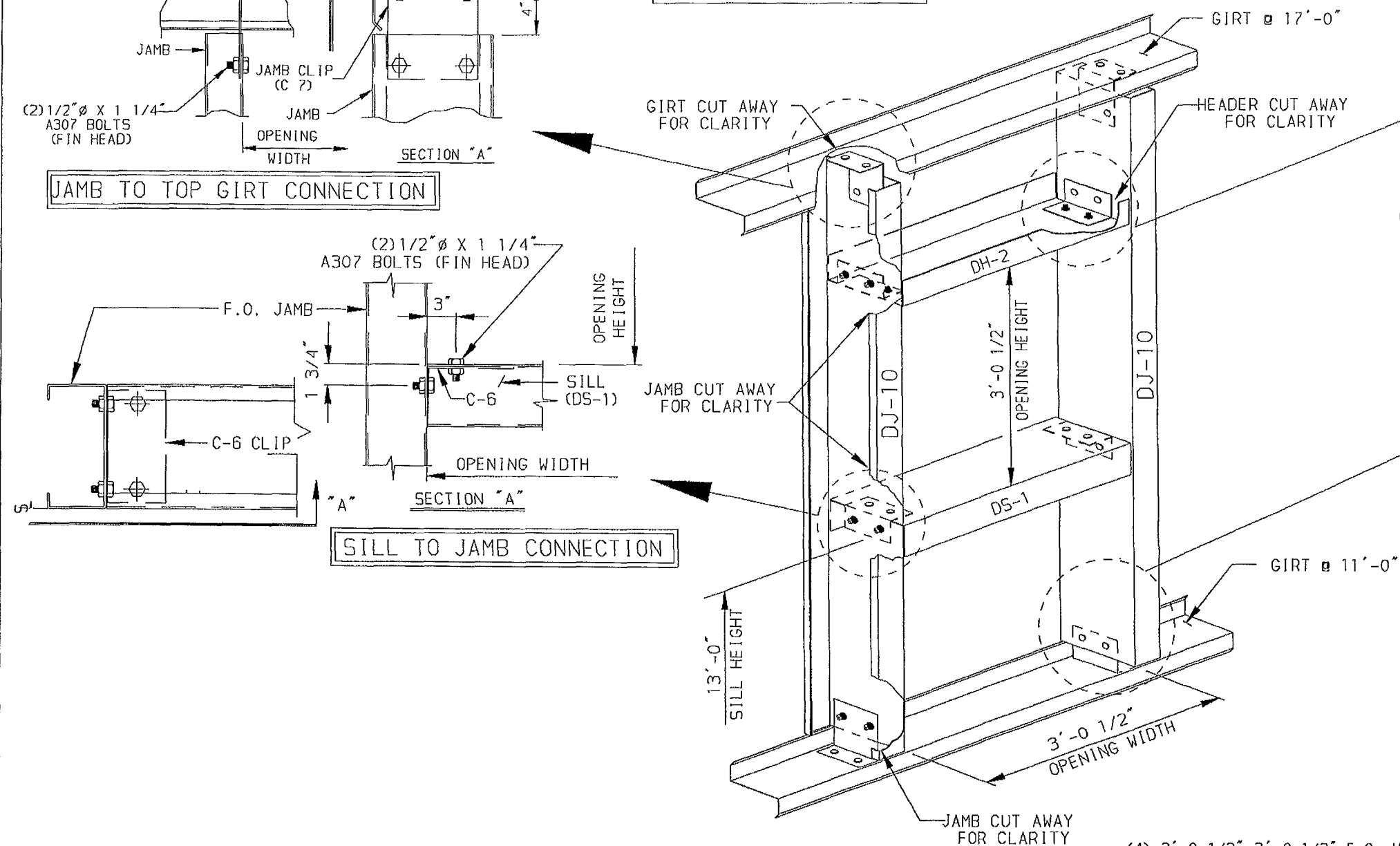
JAMB TRIM DETAIL



HEADER TO JAMB CONNECTION



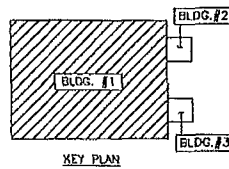
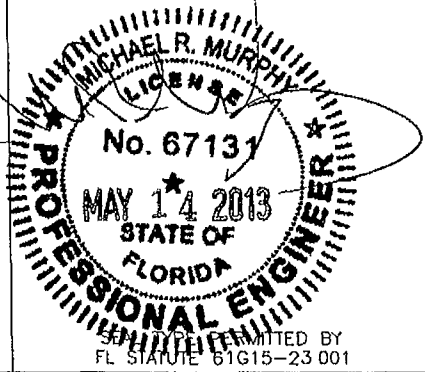
JAMB TO BOTTOM GIRT CONNECTION



(4) 3'-0 1/2" x 3'-0 1/2" F.O. W/SILL 13'-0" @ REV

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

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



REVISIONS							DRAWING STATUS		STEELMAX BUILDINGS, INC		OFFICE/STORAGE BUILDING	
REV	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD	[] FOR CONSTRUCTION	PROJECT	80 x 110 x 14	FRAME OPENING DETAIL		
							[X] FOR PERMIT ONLY	ID	22059-1	DESIGN ZJM	DRAFT:SKP/MMD	CHECK DMC
							[] FOR APPROVAL	PROJECT	LAKE CITY FL 32055	DATE 4/30/13	SHEET	20
							[] OTHER, EXPLAIN	ADDRESS				