ENGINEERING DESIGN CRITERIA

VULCAN STEEL STRUCT.
Job Number: 17679R12
End User: SEVENTH DAY ADVENTIST CHURCH
Job Location: LAKE CITY,FL

DATE: 10/ 1/07
DESIGNED BY:
DETAILED BY: TSP
CHECKED BY: ???

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.

DESIGN PARAMETERS

BUILDING DESCRIPTION:

NOMINAL WIDTH:	30	feet
NOMINAL LENGTH:	28.917	feet
EAVE HEIGHT, BACK S.W:	13	feet
EAVE HEIGHT, FRONT S.W:	13	feet
ROOF SLOPE, LEFT:	6.0:12	
ROOF SLOPE, RIGHT:	6.0:12	

SNOW :

FLAT ROOF SNOW LOAD Pf :	0	psf
GROUND SNOW LOAD Pg :	0	psf
SNOW LOAD IMP. FACTOR	N/A	
THERMAL FACTOR Ct :	N/A	
SNOW EXP. FACTOR Ce :	N/A	

DESIGN LOADS

BUILDING CODE:	FBC 04 (WITH 2006 AMENDMENTS)	
FRAME SELF WEIGHT:	INCLUDED	
ROOF DEAD LOAD:	2	psf
COLLATERAL LOAD:	3	psf
LIVE LOAD:	20	psf
SNOW LOAD, ROOF:	0	psf
WIND SPEED:	110	mph
	3 sec gust	
WIND EXPOSURE:	B	
CLOSURE "C, O, P" :	Closed	
IMP. FACTOR, WIND :	1.00	
BUILDING CATEGORY :	III	

ENGINEER'S STAMP

Richard T. Smith
PE # 43547
102 Main Street Ste#212
Lagrange, Georgia Ph: (706) 888-4874

REVIEWED
By Richard T. Smith at 5:37 pm, Oct 09, 2007

FLORIDA PRODUCT APPROVAL INFORMATION

	APPROVAL #
24 GA. ULTRA-DEK PANEL ~ NEED KYNAR COLOR	FL5671.4
26 GA. R PANEL ~ NEED COLOR	FL5335.1
26 GA. U PANEL ~ NEED COLOR	FL5690.4

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	A36 OR A572	FY= 36 KSI OR GRADE 50
ROOF AND WALL SHEETS	A653 OR A792	GRADE 50
BOLTS	A307, A325, 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. A325 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE A325-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 A325 OR A490 BOLTS". PER SECTION 8.2. A325 BOLTSMAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE NUT METHOD.

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

4. BUILDER/CONTRACTOR RESPONSIBILITIES

THE METAL BUILDING 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 MANNUF.'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.

SHEETING

24 GA.	ULTRA-DEK PANEL ~ NEED KYNAR COLOR	ROOF
26 GA.	R PANEL ~ NEED COLOR	WALL
26 GA.	U PANEL ~ NEED COLOR	SOFFIT

TRIM

26 GA.	NEED COLOR	GUTTER
26 GA.	NEED COLOR	DOWNS
26 GA.	NEED COLOR	RAKE
26 GA.	NEED COLOR	EAVE
26 GA.	NEED COLOR	CORNER
26 GA.	NEED COLOR	ACCESS.

SKYLIGHTS

NO.	DESCRIPTION	COLOR
N/A	3' X 10'-8 W/TRIM	WHITE

WALL-LIGHTS

NO.	DESCRIPTION	COLOR
N/A	N/A	WHITE

BASE CONDITION

ANGLE ☐ NOTCH ☐ SPC TRIM ☐
TRIM ☐ FL-CEE ☐ NONE ☒

FRAMED OPENINGS

NO.	SIZE	DESCRIPTION
N/A	3' X 7'	FO.

DOORS/WINDOWS

NO.	DESCRIPTION
N/A	3070 WALK DOOR
N/A	ROLL-UP DOOR

VENTILATORS

NO.	DESCRIPTION
N/A	9" X 10' VENTS W/BS & DMP.

BLANKET TYPE INSULATION

NONE ☐ BY MFG ☒ BY OTHERS ☐

ROOF 3"	WALL
PAINT: RED OXIDE	SCREWS:
	ROOF:#12x1.25 LLSD
	WALLS: N/A

LINER PANELS

WALL	THICK	TYPE	LIN FT.	HT.	COLOR
L.E.W.	26 GA	"R"	0'	0'	PW
F.S.W.	26 GA	"R"	0'	0'	PW
R.E.W.	26 GA	"R"	0'	0'	PW
B.S.W.	26 GA	"R"	0'	0'	PW

MISC. ACCESSORIES

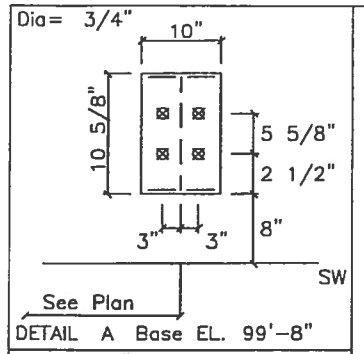
NO.	DESCRIPTION
N/A	EAVE CANOPYN/A-4" BOTH SIDEWALLS
2	PURLIN EXTENSION: 1'-4" BOTH ENDWALLS

DRAWING RELEASE HISTORY

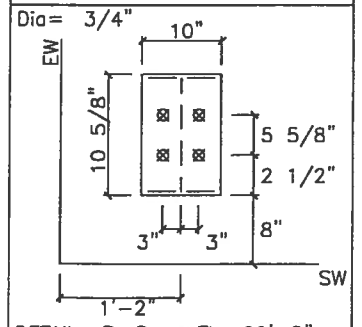
DATE SENT	REASON FOR RELEASE
	A
	B
	C
	D
	E
	F
	G
	H
	I
	J
	K
	L
	M

DRAWING REVISIONS

REVISION	DATE	BY	DESCRIPTION



DETAIL A Base EL. 99'-8"

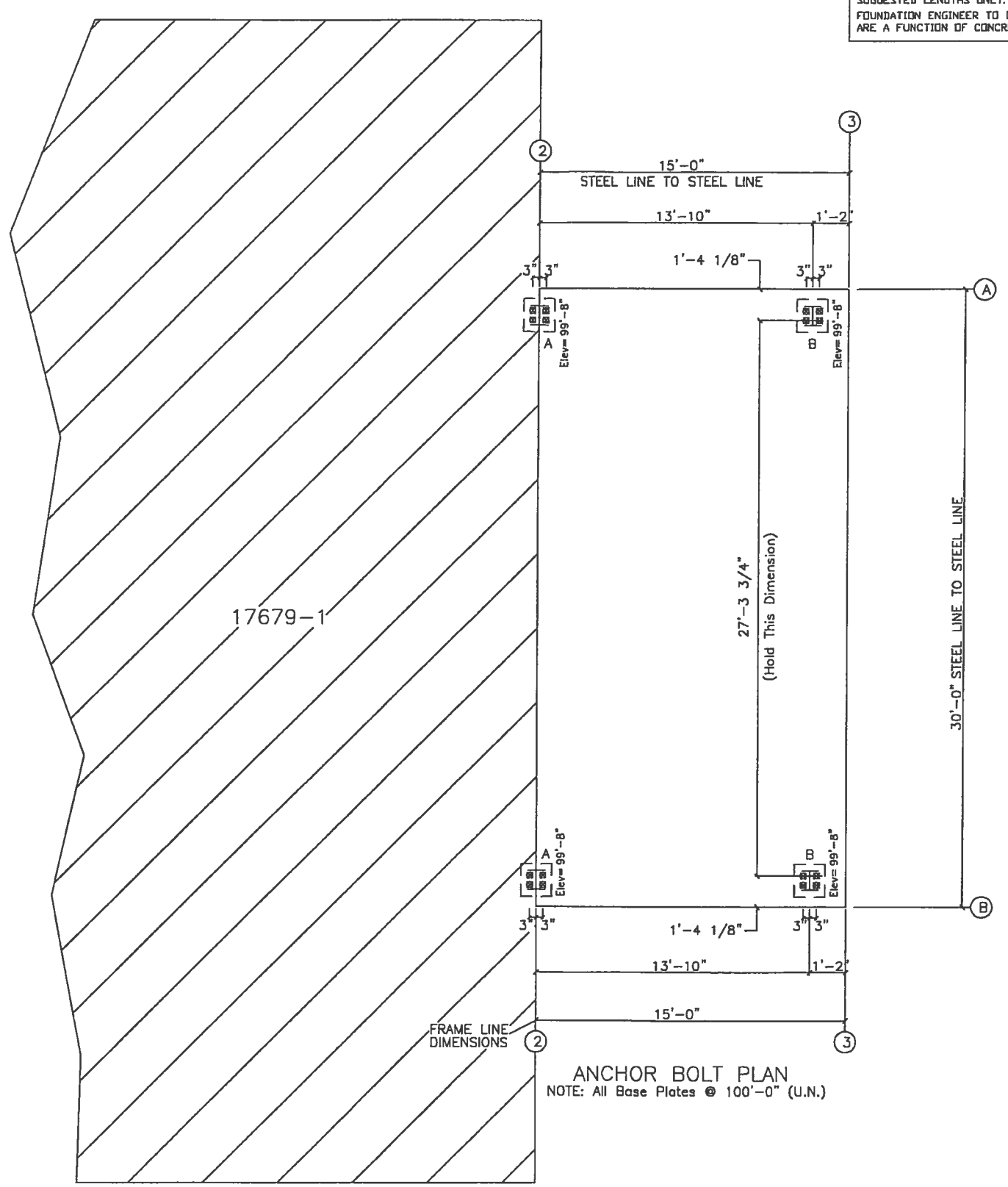


DETAIL B Base EL. 99'-8"

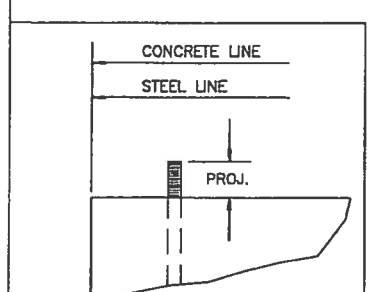
ANCHOR BOLT NOTES:
VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AND OTHER FACTORS.

ANCHOR BOLT SUMMARY

Qnt	Loc	Dia (in)	Total Len (in)	Bend Len (in)	Proj (in)
⊠ 16	RF	3/4"	18.00	3.00	3.00



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



CONCRETE EDGE AND ANCHOR BOLT PROJECTION WALLS FULLY OPEN

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REVIEWED
By Richard T. Smith at 5:37 pm Oct 09, 2007

SEAL

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

VULCAN STEEL STRUCT.	SEVENTH DAY ADVENTIST CHURCH
PROJECT: 30.00' x 28.9 x 13.0	ANCHOR BOLT PLAN
ID: 17679R12	DESIGN: / DRAFT: TSP / CHECK: KB
PROJECT ADDRESS: LAKE CITY,FL	DATE: 10/ 1/07 / SHEET 1 OF 12

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	= 30.0
Length (ft)	= 28.9
Eave Height (ft)	= 13.0/13.0
Roof Slope (rise/12)	= 6.0/ 6.0
Dead Load (psf)	= 2.0
Collateral Load (psf)	= 3.0
Roof Live Load (psf)	= 20.0
Frame Live Load (psf)	= 14.0
Wind Speed (mph)	= 110.0
Wind Code (3 sec gust)	= FBC 04 W/ 06 AMMENDMENTS
Exposure	= B
Closed/Open	= C
Importance Wind	= 1.00
Importance Seismic	= 1.00
Seismic Zone	= A
Seismic Coeff (Fa*Ss)	= 0.20

Id	Description
1	DL+CL+LL
2	DL+CL+0.75LL+0.75WL1
3	DL+CL+0.75LL+0.75WR1
4	0.60DL+WL1
5	0.60DL+WR1
6	0.60DL+WL2
7	0.60DL+WR2

GENERAL NOTES

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

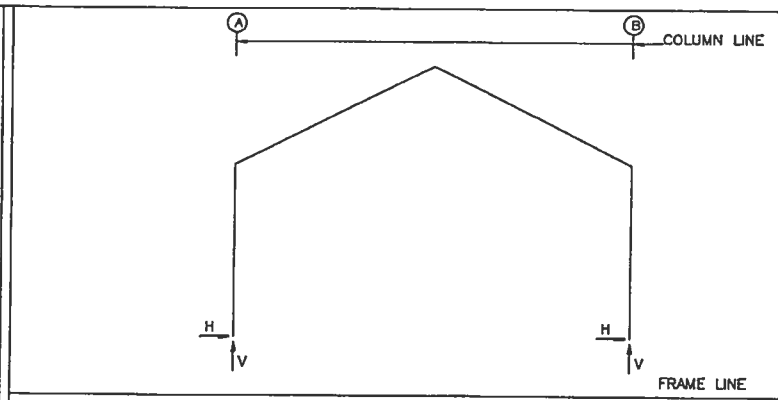
(2.) FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER.

(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 A307 UNLESS OTHERWISE NOTED.

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



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. No	Bolt D(in)	Base Plate (in) Wid	Len	Thk	Grout (in)
2	A	4	0.750	10.00	10.63	0.625	-4.0
2	B	4	0.750	10.00	10.63	0.625	-4.0

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. No	Bolt D(in)	Base Plate (in) Wid	Len	Thk	Grout (in)
3	A	4	0.750	10.00	10.63	0.625	-4.0
3	B	4	0.750	10.00	10.63	0.625	-4.0

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert
2	A	0.21	1.12	0.26	0.95	1.06	4.04	0.00	0.00	-2.76	-3.81	2.20	-1.87
2	B	-0.21	1.12	-0.26	0.95	-1.06	4.02	0.00	0.00	-2.20	-1.87	2.76	-3.81
3	A	0.17	1.07	0.20	0.82	0.82	3.56	0.00	0.00	-2.97	-4.38	2.40	-2.26
3	B	-0.17	1.06	-0.20	0.82	-0.82	3.54	0.00	0.00	-2.40	-2.26	2.97	-4.38

Frame Line	Column Line	Wind_L2 Horiz	Wind_L2 Vert	Wind_R2 Horiz	Wind_R2 Vert	LnWind_1 Horiz	LnWind_1 Vert	LnWind_2 Horiz	LnWind_2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert
2	A	-3.26	-2.02	1.70	-0.02	1.19	-3.53	0.38	-3.63	-0.09	-0.08	0.09	0.08
2	B	-1.70	-0.02	3.26	-2.02	-0.38	-3.63	-1.19	-3.53	-0.09	0.08	0.09	-0.08
3	A	-3.39	-2.91	1.98	-0.74	1.01	-4.00	-0.11	-4.12	-0.08	-0.07	0.08	0.07
3	B	-1.98	-0.74	3.39	-2.91	0.11	-4.12	-1.01	-4.00	-0.08	0.07	0.08	-0.07

Frame Line	Column Line	LnSeis Horiz	LnSeis Vert
2	A	0.00	0.00
2	B	0.00	0.00
3	A	0.00	0.00
3	B	0.00	0.00

BRACING REACTIONS, PANEL SHEAR

Wall Loc	Wall Line	Col Line	± Reactions (k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft)
L_EW	1	Bracing Not Used					0
F_SW	B	Weak Axis Bending Used					
R_EW	3	Rigid Frame At Endwall					
B_SW	A	Weak Axis Bending Used					

RIGID FRAME REACTIONS: WEAK AXIS BENDING

Wall Loc	Wall Line	Col Line	Reactions(k ,f-k) Horiz	AB_Vert	Moment	Load_Id
F_SW	B	2	0.9	18.2	12.1	Wind
F_SW	B	2	0.0	0.6	0.4	Seismic
F_SW	B	3	0.9	18.2	12.1	Wind
F_SW	B	3	0.0	0.6	0.4	Seismic
B_SW	A	1	0.9	18.2	12.1	Wind
B_SW	A	1	0.0	0.6	0.4	Seismic
B_SW	A	2	0.9	18.2	12.1	Wind
B_SW	A	2	0.0	0.6	0.4	Seismic

Protection of Opening

This building is located in a wind-borne debris region. Exterior glazing is assumed to be impact resistant and meet the provisions of the missile test, or they should be protected by impact resistant covering meeting the reqirements of SSTD 12, ASTM E 1886 and ASTME 1996 or Miami-Dade PA 201, 202, &203.
Openings may also be protected by structural wood panels having a min. thickness of 7/16" and maximum panel span of 8 feet. Attachment hardware and fastening schedule shall be in accordance with the following table.

WIND-BORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS (PLYWOOD)

FASTENER TYPE	FASTENER SPACING (in.) [1,2] PANEL SPAN ≤ 2ft	2ft< PANEL SPAN <4 ft.	4ft< PANEL SPAN <6 ft.	6ft< PANEL SPAN <8 ft.
2 1/2 #6 Wood Screw [3,5]	16	16	12	9
2 1/2 #8 Wood Screw [3]	16	16	16	12
Double-Headed nails [4]	12	6	4	3

SI: 1 inch=25.4 mm 1 foot=305 mm

Notes:
1.) This table is based on a maximum wind speed of 130 m.p.h. (58 m/s) and mean roof height of 33 feet (10 m) or less.
2.) Fasteners shall be installed at opposing ends of the wood structural panel.
3.) Where screws are attached to masonry or masonry/stucco, they shall be attached using vibration-resistant anchors having a minimum withdrawal capacity of 490 lb. (2180 kN).
4.) Nails shall be 10d common or 12d box double-headed nails.
5.) Where screws are attached to pre-engineered metal building components, i.e. Door Jambs, framed openings, etc., they shall be #12 self drilling screws secured to a minimum 16 ga. material. Screws should have a min. withdrawal strength of 500 lbs.

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By Richard T. Smith at 5:37 pm, Oct 09, 2007

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

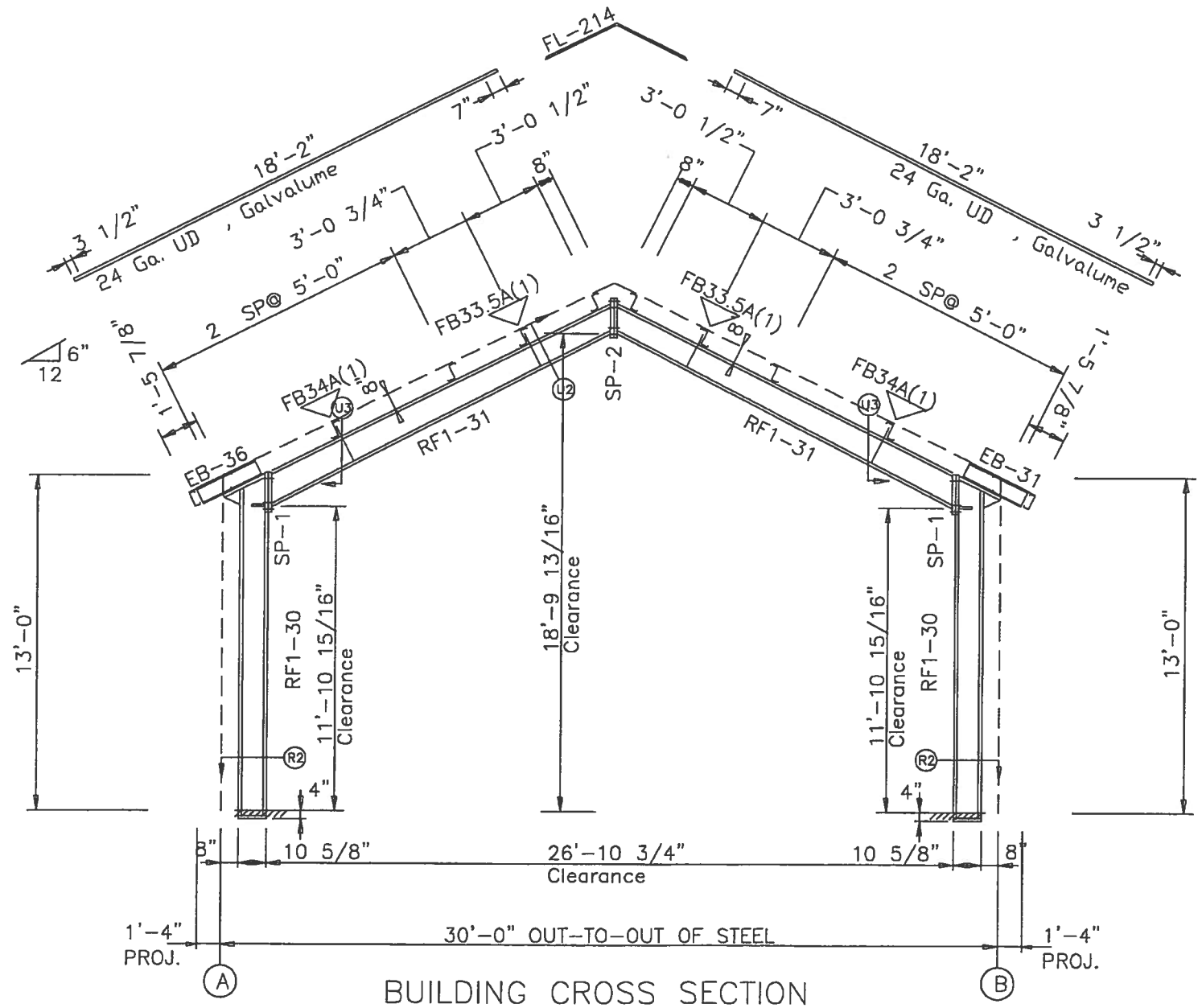
VULCAN STEEL STRUCT.	
PROJECT	30.00' x 28.9 x 13.0
ID	17679R12
PROJECT ADDRESS	LAKE CITY,FL

SEVENTH DAY ADVENTIST CHURCH
ANCHOR BOLT REACTIONS
DESIGN: | DRAFT: TSP | CHECK: KB
DATE: 10/ 1/07 | SHEET 2

SPLICE BOLTS							
Splice Mark	Quan Top/Bot/Int			Type	Bolt Dia		Len
SP- 1	2	4	0	A325	0.750		2.00
SP- 2	4	4	0	A325	0.625		1.75

MEMBER SIZE TABLE (in)					
PIECE	WEB DEPTH START/END	WEB PLATE THICK	WEB PLATE LENGTH	OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
RF1-30	10.0/10.0	0.134	141.6	8x5/16"x154.2	8x5/16"x141.6
	10.0/10.0	0.164	17.8	8x3/16"x 20.4	
RF1-31	12.0/ 9.5	0.120	185.2	5x3/16"x179.1	5x3/16"x180.4

▽FLANGE BRACES:
FBxxA(1): xx=inches, (1)=one side only
A - L2X2X14G



BUILDING CROSS SECTION

FOR FRAME LINE 2

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By Richard T. Smith at 5:37 pm, Oct 09, 2007

SEAL

GENERAL NOTES:

* NOTICE TO ERECTOR *

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

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

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
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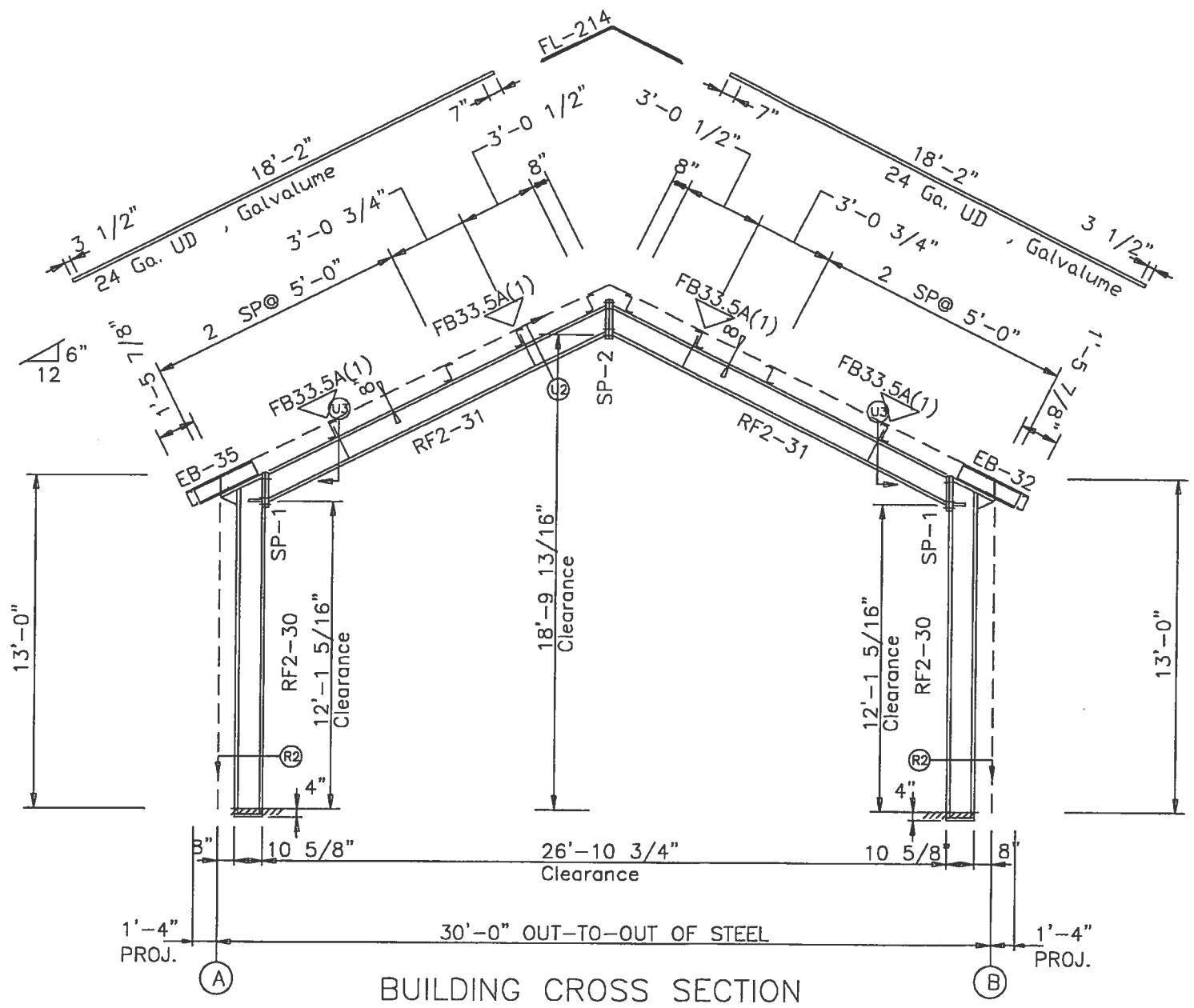
VULCAN STEEL STRUCT.	
PROJECT	30.00' x 28.9 x 13.0
ID	17679R12
PROJECT ADDRESS	LAKE CITY,FL

SEVENTH DAY ADVENTIST CHURCH		
BUILDING CROSS SECTION		
DESIGN:	DRAFT: TSP	CHECK: ???
DATE: 10/ 1/07	SHEET	3

SPLICE BOLTS						
Splice Mark	Quan Top/Bot/Int			Bolt Type	Dia	Len
SP- 1	2	4	0	A325	0.750	2.50
SP- 2	4	4	0	A325	0.625	1.75

FLANGE BRACES:
FBxxA(1): xx=inches, (1)=one side only
A - L2X2X14G

MEMBER SIZE TABLE (in)					
PIECE	WEB DEPTH START/END	WEB PLATE THICK	WEB PLATE LENGTH	OUTSIDE FLANGE W x T x LEN.	INSIDE FLANGE W x T x LEN
RF2-30	10.0/10.0	0.134	144.0	8x5/16"x154.2	8x5/16"x144.0
	10.0/10.0	0.164	15.4	8x3/16"x 20.4	
RF2-31	10.0/ 9.5	0.120	184.0	5x3/16"x178.9	5x3/16"x179.1



BUILDING CROSS SECTION

FOR FRAME LINE 3

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.

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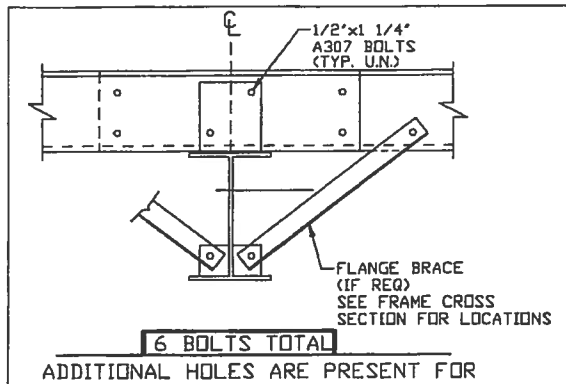
VULCAN STEEL STRUCT.		SEVENTH DAY ADVENTIST CHURCH	
PROJECT	30.00' x 28.9 x 13.0	BUILDING CROSS SECTION	
ID	17679R12	DESIGN:	DRAFT: TSP CHECK: ???
PROJECT ADDRESS	LAKE CITY,FL	DATE: 10/ 1/07	SHEET 4



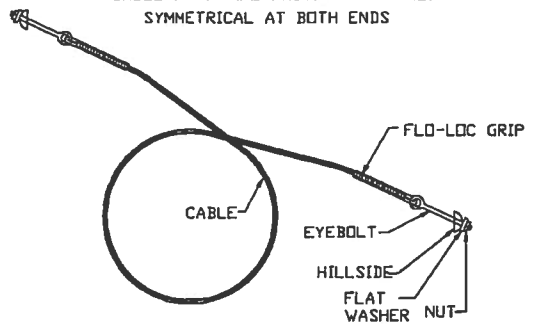
6 BOLTS TOTAL

ADDITIONAL HOLES ARE PRESENT FOR ALIGNMENT PURPOSES ONLY

BRACE CABLE ASSEMBLY

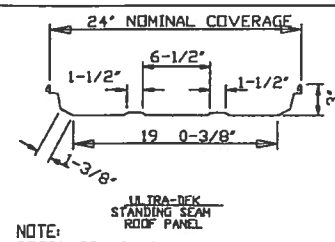
CABLE HARDWARE FACTORY ATTACHED

SYMMETRICAL AT BOTH ENDS



ERECTOR' S NOTE:
SEE SHEET #11 FOR ULTRA-DEK DETAILS

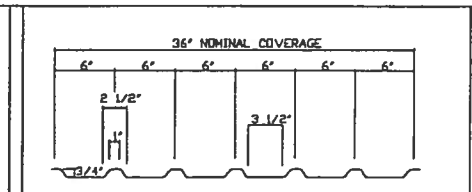
ERECTOR' S NOTE:
SEE SHEET #12 FOR EAVE AND RAKE EXTENSION DETAILS.



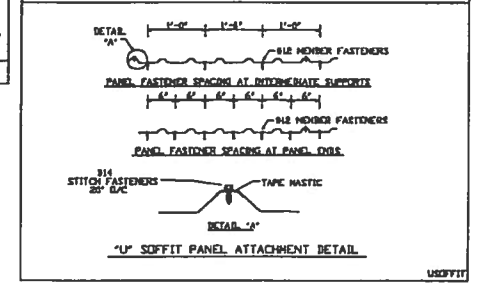
ULTRA-DEK STANDING SEAM ROOF PANEL

NOTE:
REFER TO M.B.C.I. ULTRA-DEK TECHNICAL MANUAL FOR FASTENING INSTRUCTIONS.
IMPROPER INSTALLATION VOIDS WARRANTY

UDEXPRO



"U" SOFFIT PANEL



"U" SOFFIT PANEL ATTACHMENT DETAIL

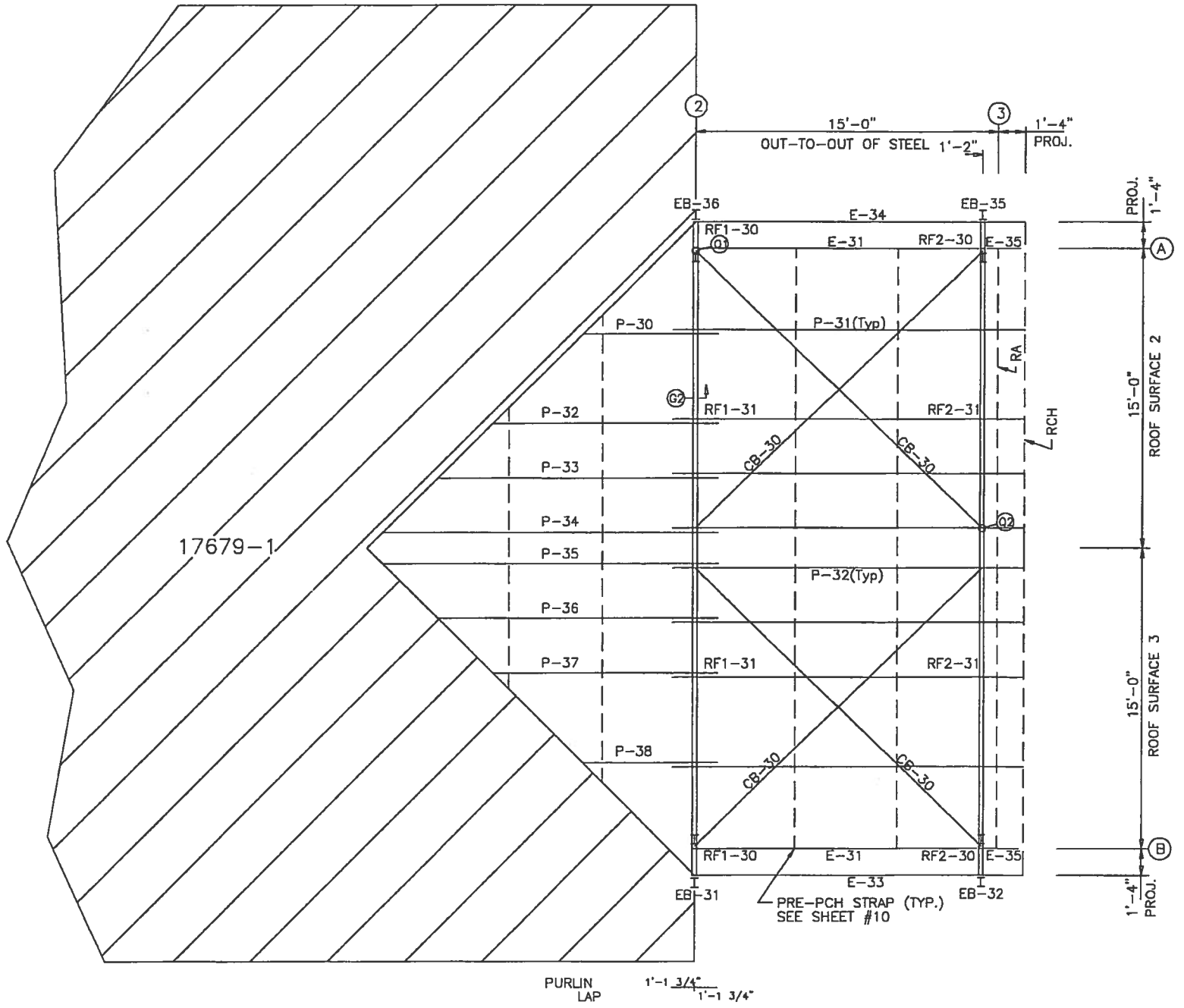
USOFFIT

EXTENSION/CANOPY BOLTS
ROOF PLAN

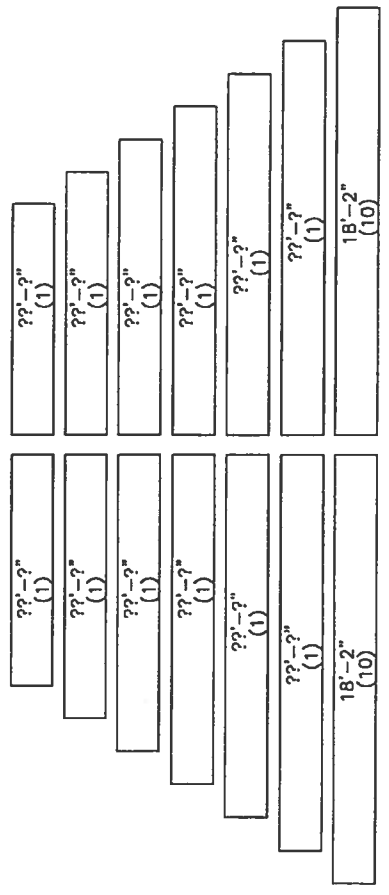
MARK	QUAN	TYPE	DIA	LENGTH
EB-31	4	A325	5/8"	1 3/4"
EB-32	4	A325	5/8"	1 3/4"
EB-35	4	A325	5/8"	1 3/4"
EB-36	4	A325	5/8"	1 3/4"

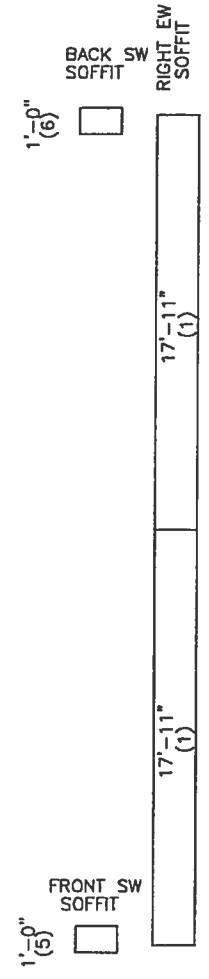
MEMBER TABLE
ROOF PLAN

MARK	PART	LENGTH
EB-31	W8X10	3'-1 7/8"
EB-32	W8X10	2'-7 7/8"
EB-35	W8X10	2'-7 7/8"
EB-36	W8X10	3'-1 7/8"
P-30	8X25Z16	??'-??
P-31	8X25Z16	17'-5 1/2"
P-32	8X25Z16	??'-??
P-33	8X25Z16	??'-??
P-34	8X25Z16	??'-??
P-35	8X25Z16	??'-??
P-36	8X25Z16	??'-??
P-37	8X25Z16	??'-??
P-38	8X25Z16	??'-??
E-31	9E275D16	13'-2 1/2"
E-33	8X25C16	16'-0"
E-34	8X25C16	16'-0"
E-35	9E275D16	1'-10 1/2"
CB-30	0.250CBL	20'-11"



ROOF FRAMING PLAN





ROOF SHEETING

PANELS: 24 Ga. ULTRA DEK Galvalume

SOFFIT SHEETING

PANELS: 26 Ga. U Galvalume

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REVIEWED
By Richard T. Smith at 5:37 pm Oct 09, 2007

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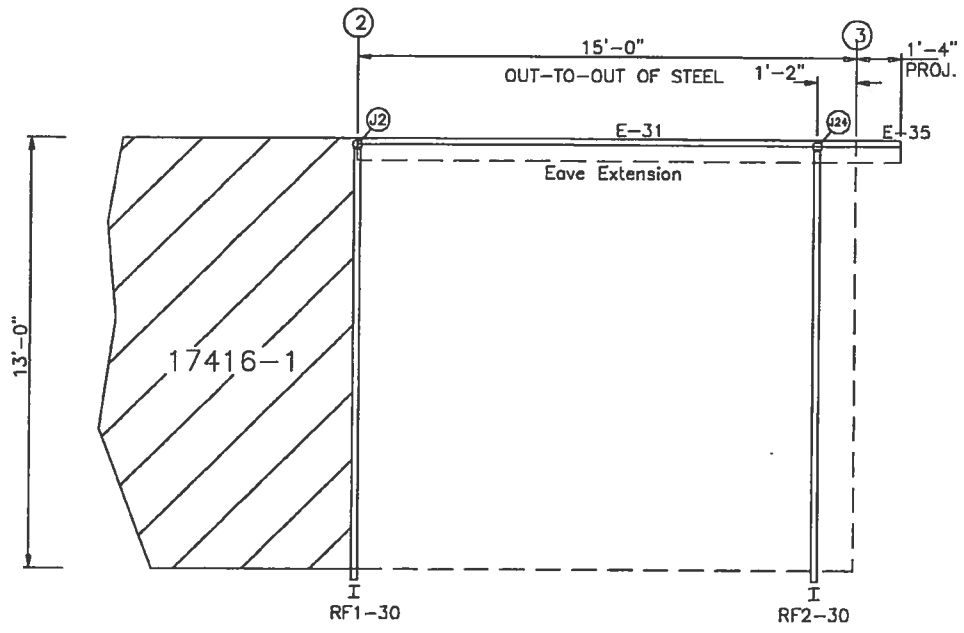
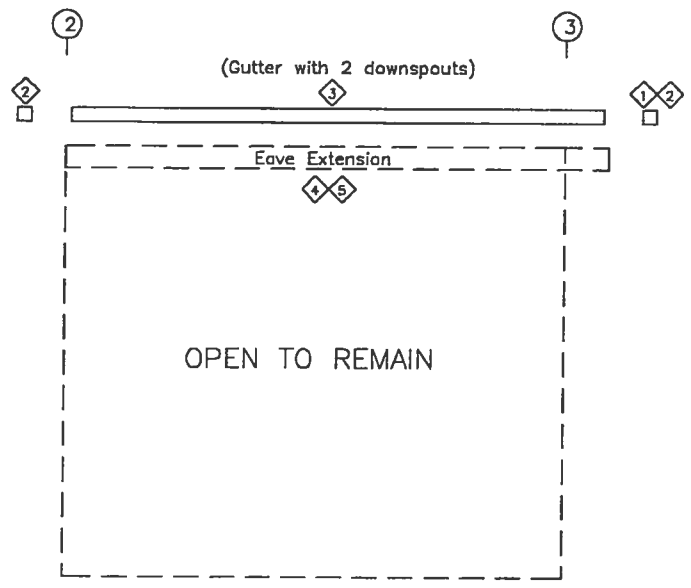
REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

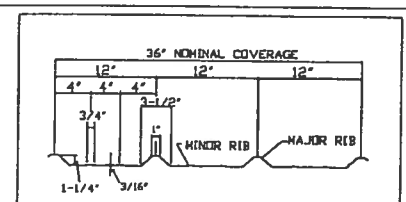
VULCAN STEEL STRUCT.		SEVENTH DAY ADVENTIST CHURCH	
PROJECT	30.00' x 28.9 x 13.0	ROOF FRAMING	
ID	17679R12	DESIGN:	DRAFT: TSP / CHECK: ???
PROJECT ADDRESS	LAKE CITY,FL	DATE: 10/ 1/07	SHEET 5



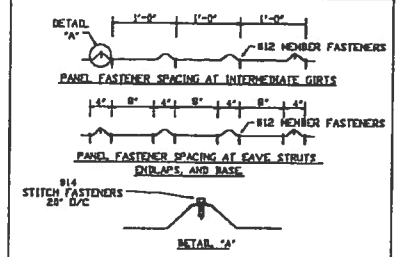
SIDEWALL FRAMING: FRAME LINE B



SIDEWALL TRIM: FRAME LINE B



"R" WALL PANEL PROFILE



"R" WALL PANEL FASTENER LAYOUT

RVALL

TRIM TABLE FRAME LINE B			
◇ID	MARK	LENGTH	DETAIL
1	FL-132	6"	
2	FL-245	6"	
3	FL-240B	10'-2"	
4	CS01	15'-3"	
5	SRT	15'-3"	

MEMBER TABLE FRAME LINE B		
MARK	PART	LENGTH
E-31	9E275D16	13'-2 1/2"
E-35	9E275D16	1'-10 1/2"

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	APPD

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

VULCAN STEEL STRUCT.		SEVENTH DAY ADVENTIST CHURCH	
PROJECT	30.00' x 28.9 x 13.0	SIDEWALL FRAMING	
ID	17679R12	DESIGN:	DRAFT: TSP CHECK: ???
PROJECT ADDRESS	LAKE CITY,FL	DATE: 10/1/07	SHEET 6

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REVIEWED
By Richard T. Smith at 5:37 pm, Oct 03, 2007

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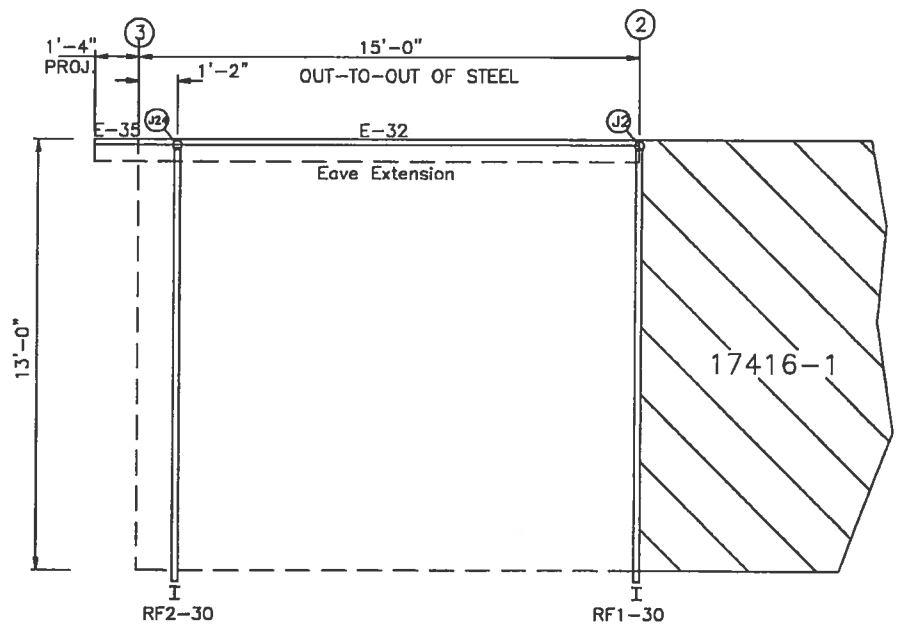
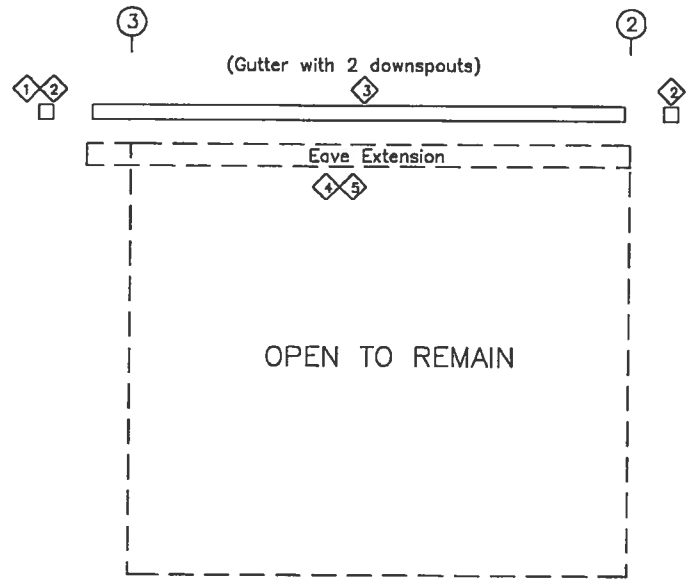
TRIM TABLE FRAME LINE B			
◇ID	MARK	LENGTH	DETAIL
1	FL-132	6"	
2	FL-245	6"	
3	FL-240B	10'-2"	
4	CS01	15'-3"	
5	SRT	15'-3"	

MEMBER TABLE FRAME LINE B		
MARK	PART	LENGTH
E-32	9E275D16	13'-2 1/2"
E-35	9E275D16	1'-10 1/2"



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL TRIM: FRAME LINE A

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REVIEWED
By Richard T. Smith at 5:37 pm, Oct 09, 2007

SEAL

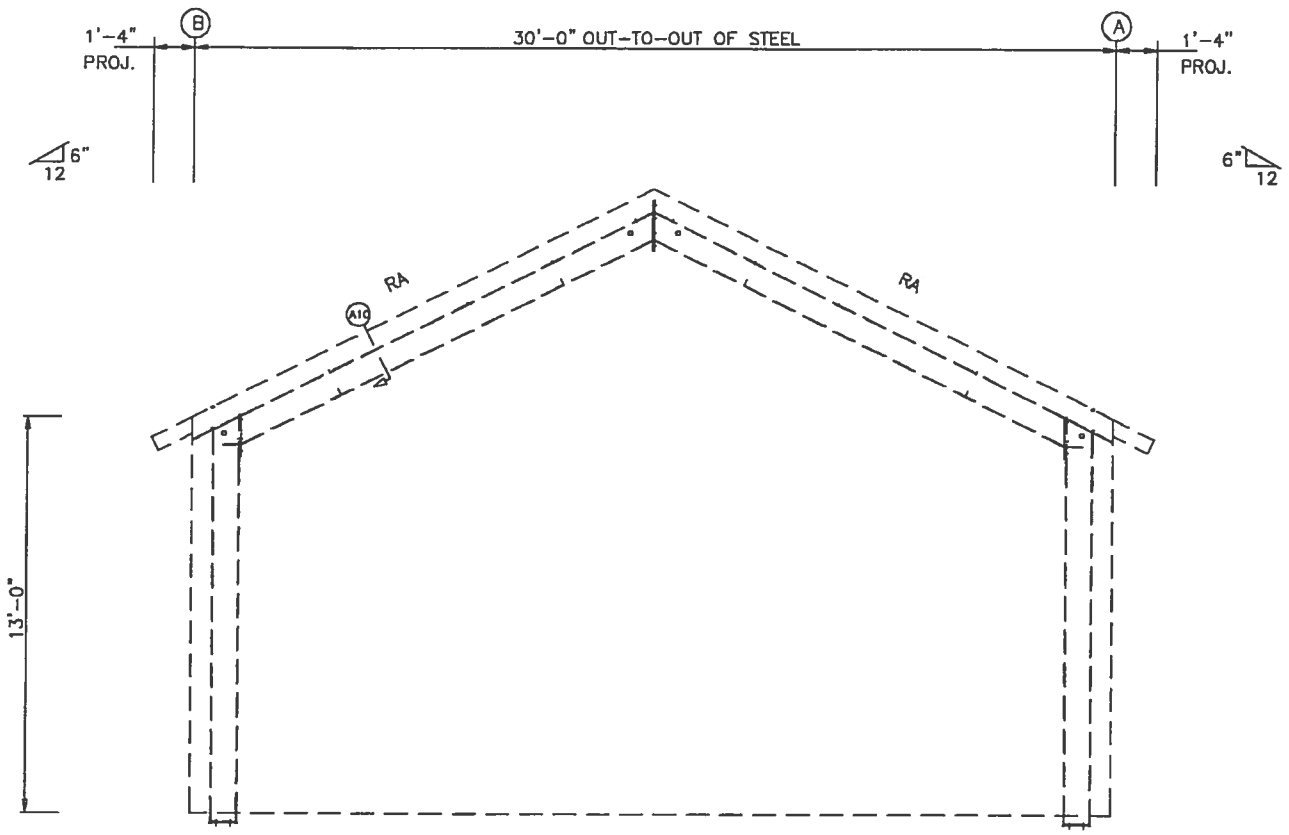
GENERAL NOTES:
(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST LONGITUDINAL FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

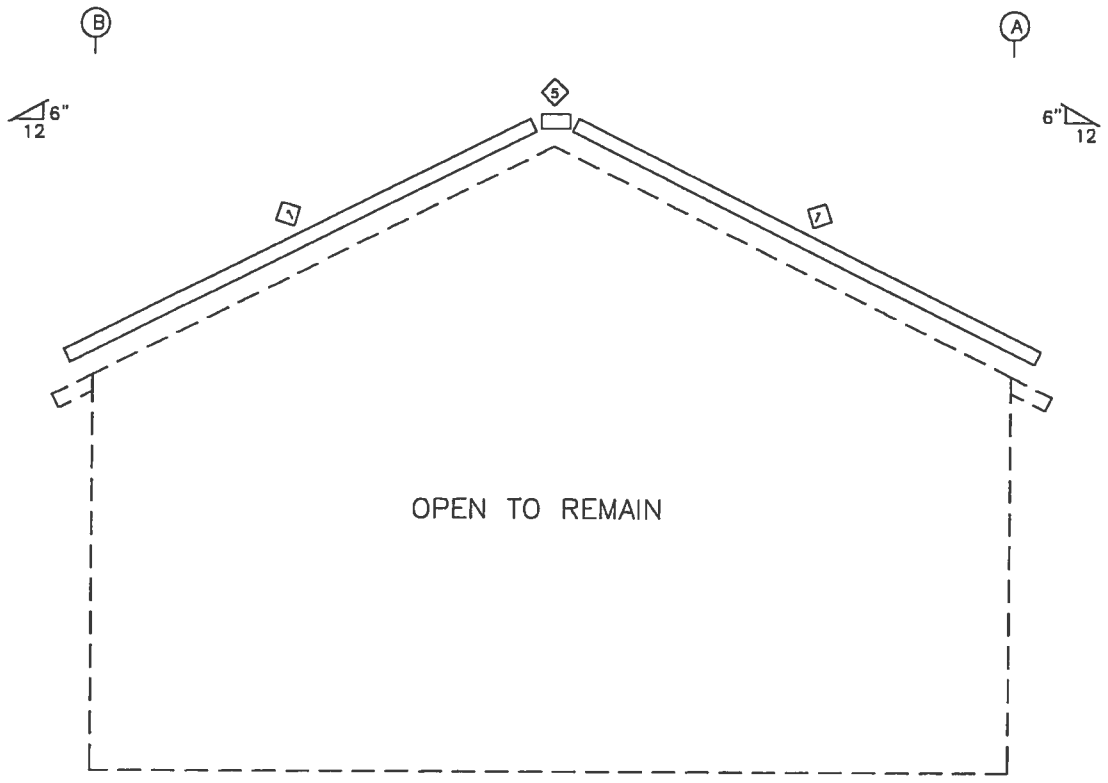
DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCT.		SEVENTH DAY ADVENTIST CHURCH	
PROJECT	30.00' x 28.9 x 13.0	SIDEWALL FRAMING	
ID	17679R12	DESIGN:	DRAFT: TSP / CHECK: ???
PROJECT ADDRESS	LAKE CITY,FL	DATE: 10/1/07	SHEET 7

TRIM TABLE FRAME LINE 3			
◇ID	MARK	LENGTH	DETAIL
1	FL-110	10'-2"	
5	FL-125	2'-1"	



ENDWALL FRAMING: FRAME LINE 3



ENDWALL TRIM: FRAME LINE 3

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REVIEWED
By Richard T. Smith at 5:37 pm, Oct 09, 2007

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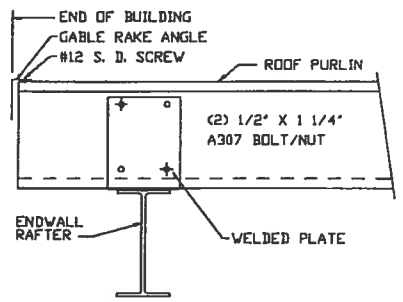
GENERAL NOTES:
(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST LONGITUDINAL FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.

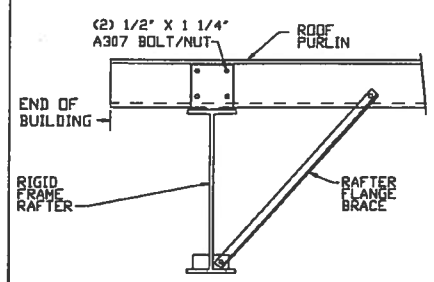
REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

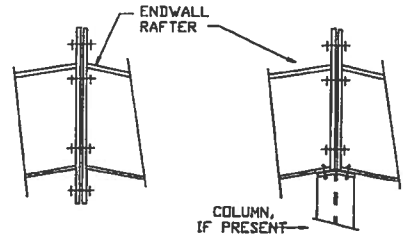
VULCAN STEEL STRUCT.		SEVENTH DAY ADVENTIST CHURCH	
PROJECT	30.00' x 28.9 x 13.0	ENDWALL FRAMING	
ID	17679R12	DESIGN:	DRAFT: TSP CHECK: ???
PROJECT ADDRESS	LAKE CITY,FL	DATE: 10/1/07	SHEET 8



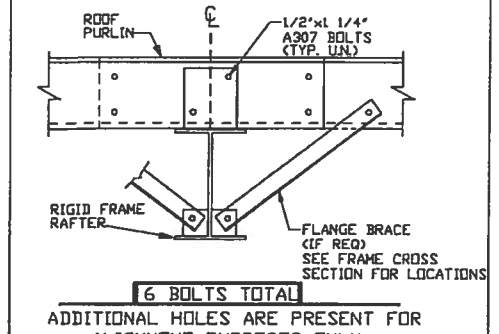
A7 SECTION THRU ENDWALL RAFTER



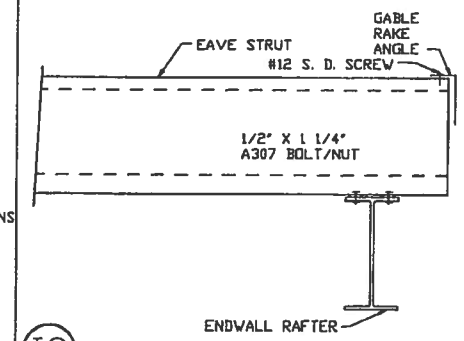
A10 ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME



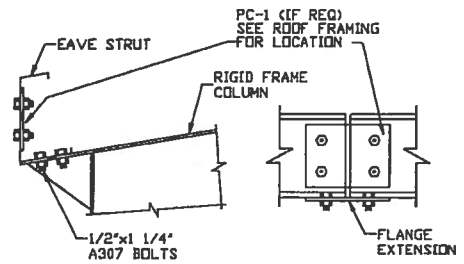
F12 RAFTER SPLICE AT SURFACE CHANGE



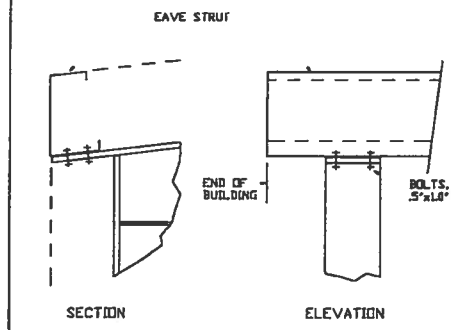
G2 ROOF PURLIN TO RIGID FRAME



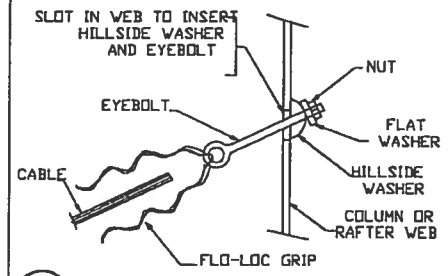
I8 EAVE STRUT TO ENDWALL RAFTER



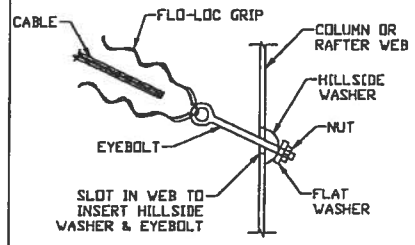
J2 EAVE STRUT TO RIGID FRAME



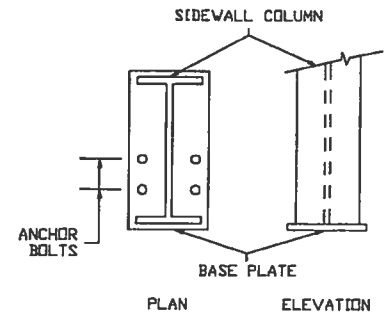
J24 EAVE STRUT TO RIGID FRAME



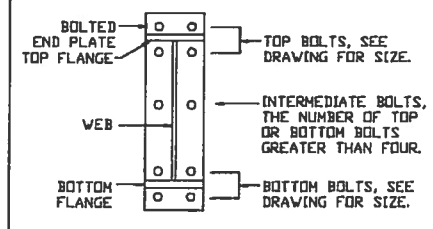
Q1 DIAGONAL CABLE, EYEBOLT END



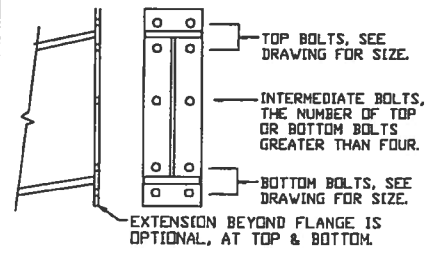
Q2 DIAGONAL CABLE EYEBOLT END



R2 ANCHOR BOLTS AT SIDEWALL COLUMN



U3 BOLTS FOR RAFTER TO COLUMN CONNECTION



U2 BOLTED END PLATE CONNECTION AT BUILDING PEAK

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REVIEWED
By Richard T. Smith at 5:37 pm, Oct 09, 2007

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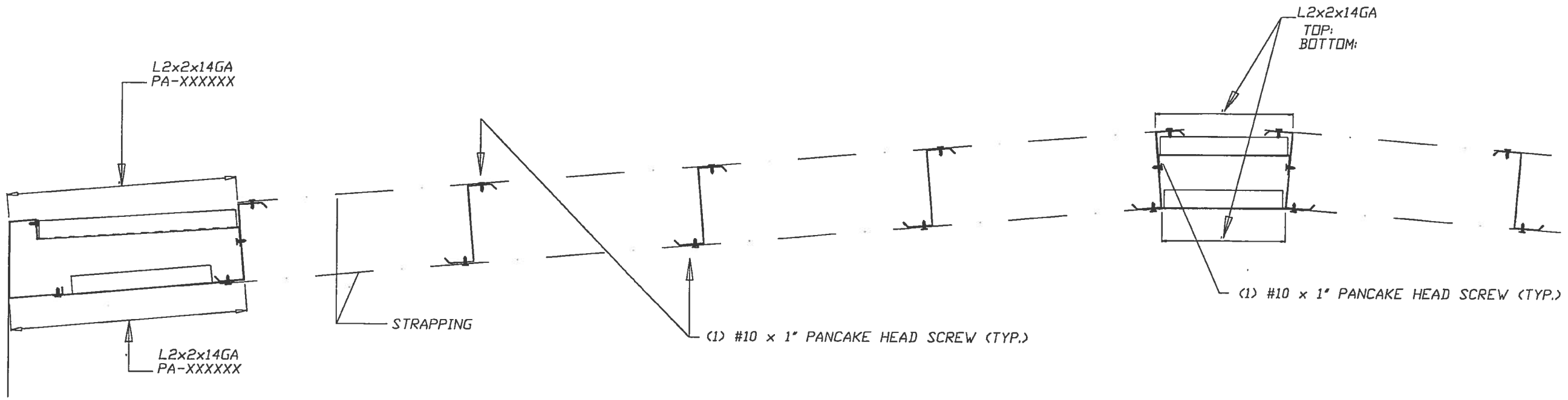
REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

VULCAN STEEL STRUCT.		SEVENTH DAY ADVENTIST CHURCH	
PROJECT	30.00' x 28.9 x 13.0	Detail Page	
ID	17679R12	DESIGN:	DRAFT: TSP / CHECK: ???
PROJECT ADDRESS	LAKE CITY,FL	DATE: 10/1/07	SHEET 9



A

PURLIN STRAPPING DETAIL

SEE ROOF PLAN FOR QUANTITY AND LOCATION
BUILDER NOTE: KEEP ANGLES BELOW ROOF LINE.
FIELD BEND TABS & ATTACH WITH #10 SCREWS
(ALL ROOF PITCHES)

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REVIEWED
By Richard T. Smith at 5:37 pm Oct 03, 2007

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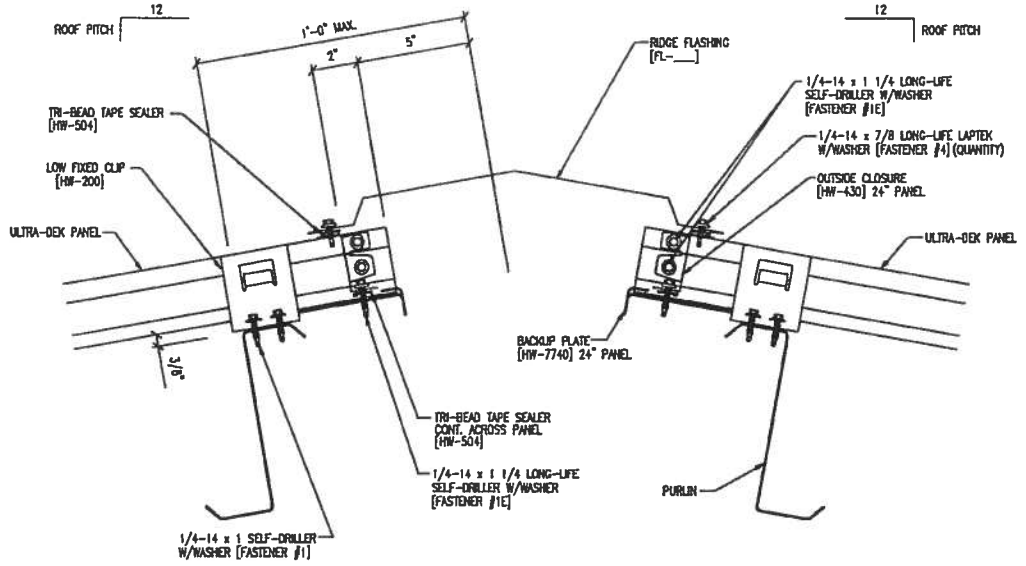
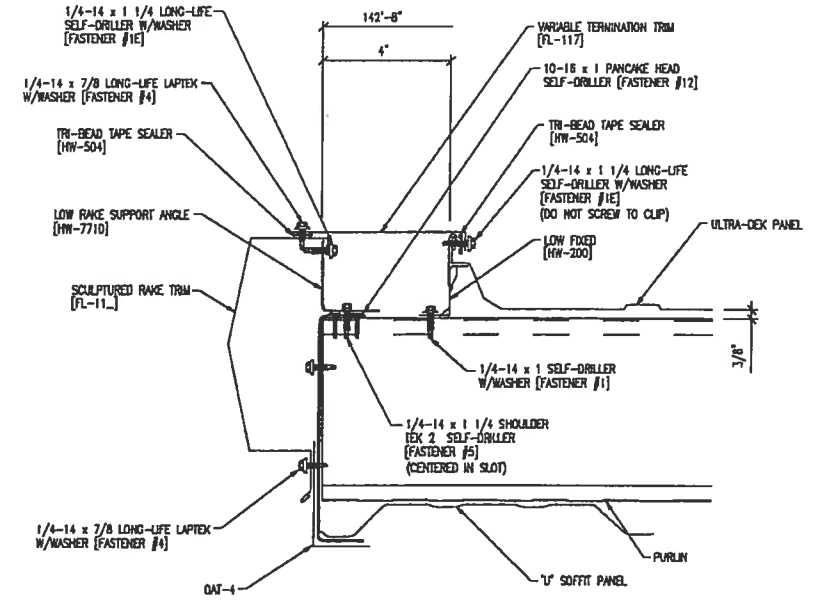
REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

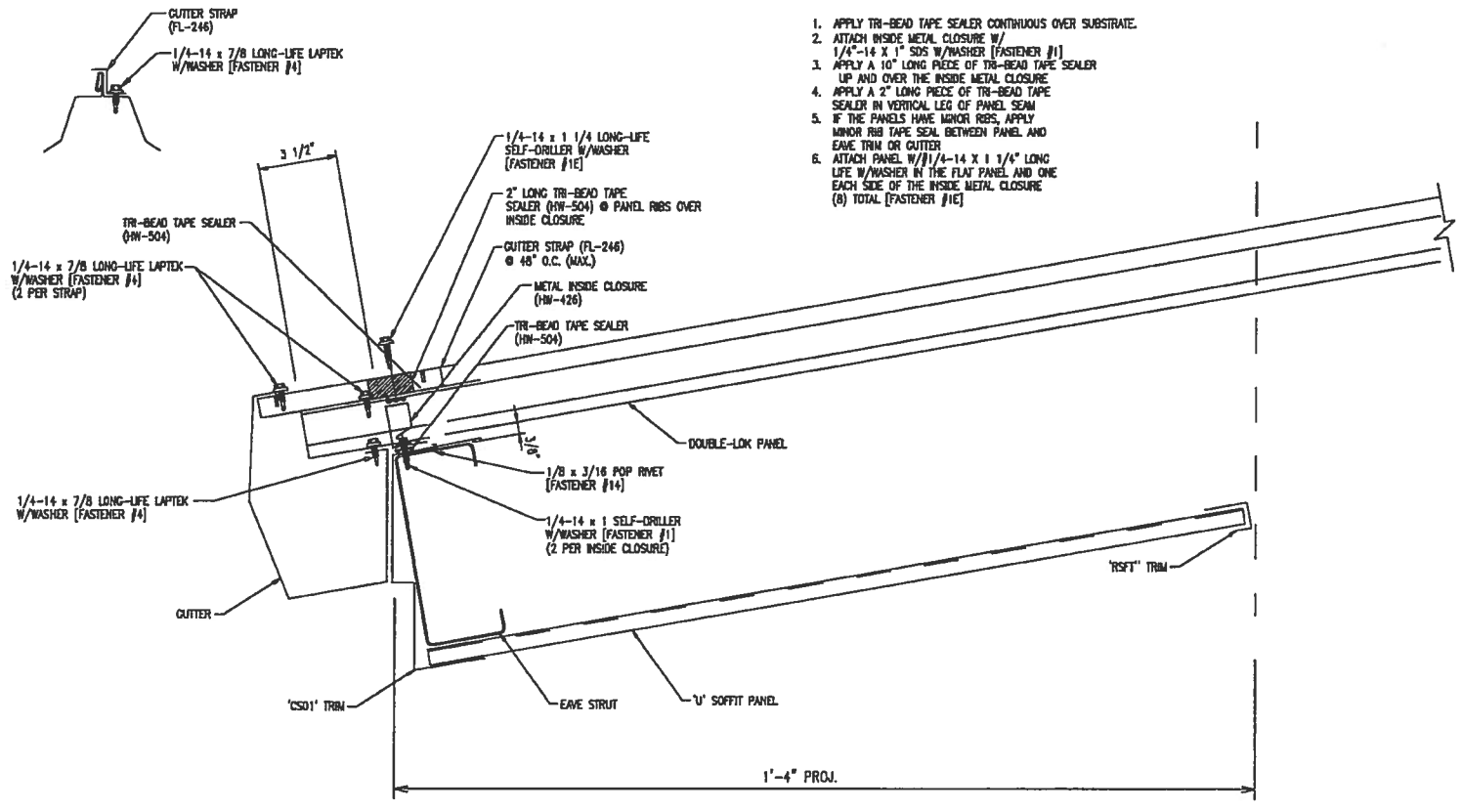
VULCAN STEEL STRUCT.		SEVENTH DAY ADVENTIST CHURCH	
PROJECT	30.00' x 28.9 x 13.0	Roof Strapping Page	
ID	17679R12	DESIGN:	DRAFT: TSP CHECK: ???
PROJECT ADDRESS	LAKE CITY,FL	DATE: 10/1/07	SHEET 10



LOW FIXED RIDGE



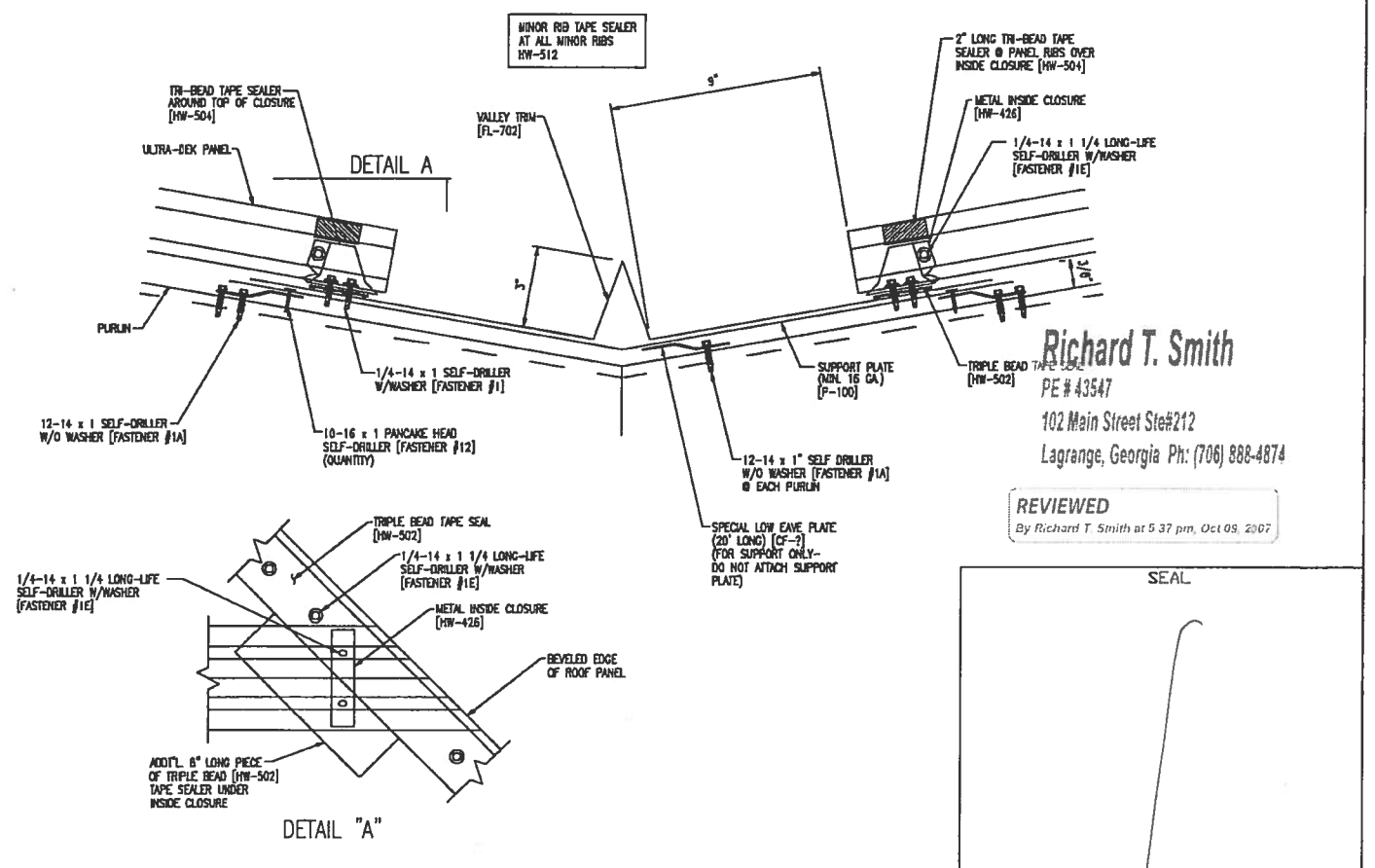
LOW FIXED TERMINATION RAKE OFF MODULE



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 3/4" LONG LIFE W/WASHER IN THE FLAT PANEL AND ONE EACH SIDE OF THE INSIDE METAL CLOSURE (8) TOTAL [FASTENER #1E]

LOW FIXED EAVE WITH GUTTER AT EAVE EXTENSION



DETAIL "A"

LOW FIXED VALLEY DETAIL

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REVIEWED
By Richard T. Smith at 5:37 pm, Oct 09, 2007

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REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
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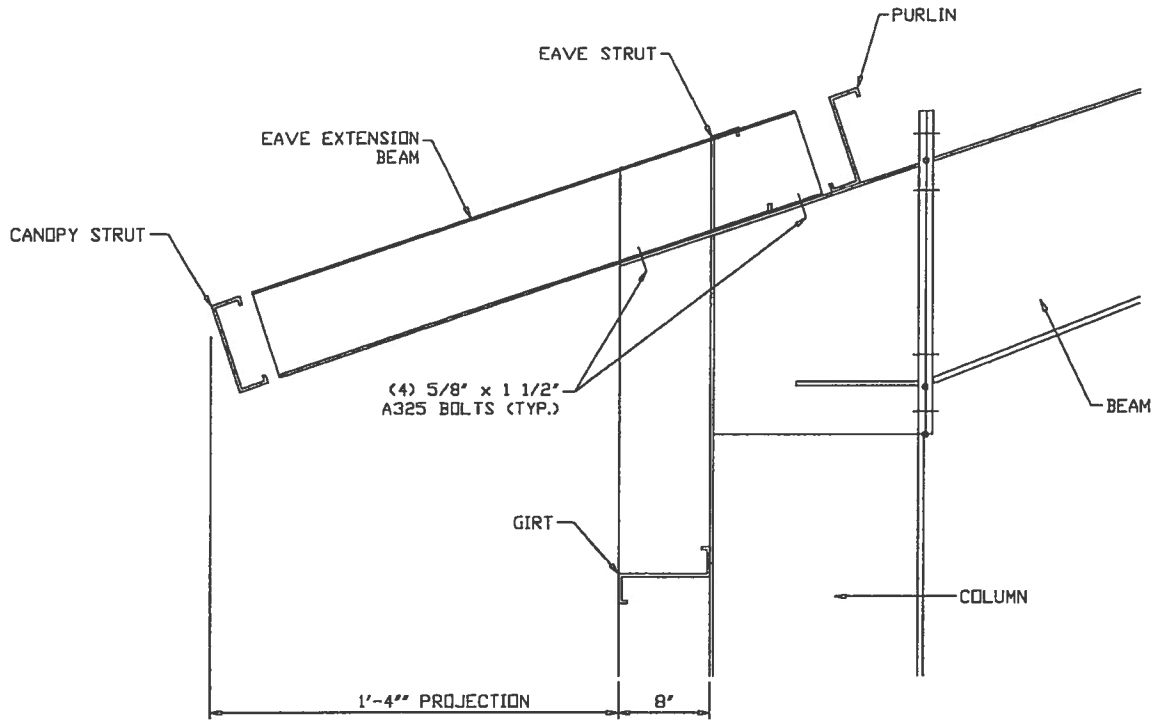
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

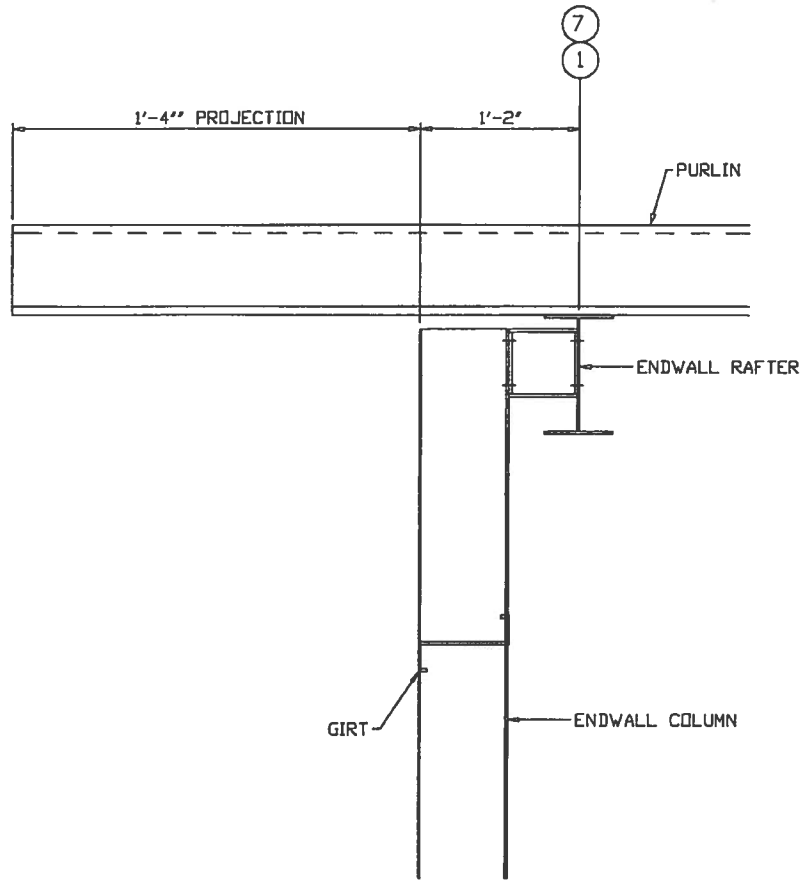
VULCAN STEEL STRUCT.		SEVENTH DAY ADVENTIST CHURCH	
PROJECT	30.00' x 28.9 x 13.0	Ultra-Dek Panel Detail Page	
ID	17679R12	DESIGN:	DRAFT: TSP CHECK: ???
PROJECT ADDRESS	LAKE CITY,FL	DATE: 10/1/07	SHEET 11



TYPICAL EAVE EXTENSION BOTH SIDEWALLS

ERECTOR'S NOTE:

SEE SHEET #11 FOR ALL TRIM DETAILS FOR THESE AREAS



TYPICAL PURLIN EXTENSION BOTH ENDWALLS

Richard T. Smith
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Lagrange, Georgia Ph: (706) 888-4874

REVIEWED
By Richard T. Smith at 5:37 pm, Oct 08, 2007

SEAL

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

VULCAN STEEL STRUCT.	
PROJECT	30.00' x 28.9 x 13.0
ID	17679R12
PROJECT ADDRESS	LAKE CITY,FL

SEVENTH DAY ADVENTIST CHURCH
Eave Ext. and Purlin Ext. Detail Page
DESIGN: | DRAFT: TSP | CHECK: ???
DATE: 10/1/07 | SHEET 12