NORTH FLORIDA TRUCK PARTS
Bo Skinner, Lake City, FL

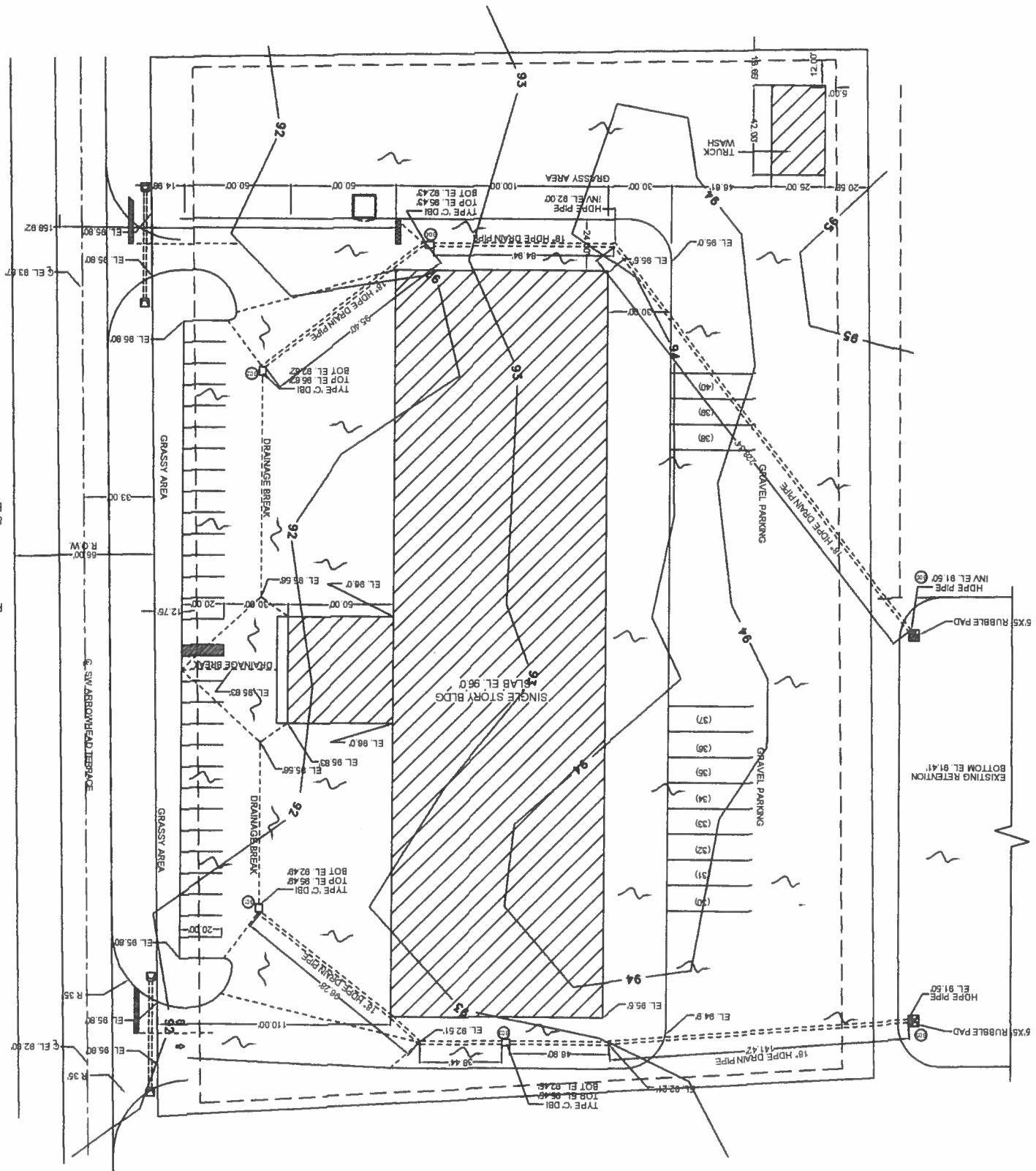
Freeman Design Group inc
161 NW MADISON STREET
SUITE #102
LAKE CITY, FL. 32055
(386)758-4209
CERTIFICATE OF AUTHORIZATION # 0000070

DATE	DRAWN BY
8/8/06	W.H.F

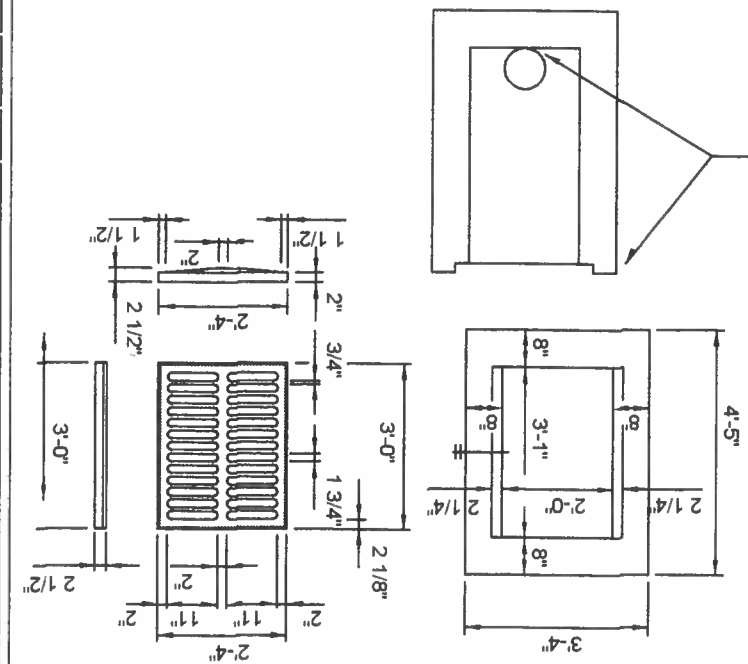
REVISIONS

SHEET SP - 2
OF 4
PROJECT NO 06.C010

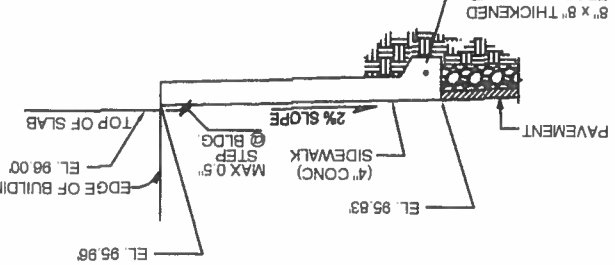
GRADING PLAN
SCALE: 1" = 30'



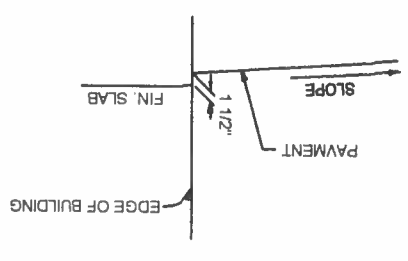
MODIFIED TYPE "C" DBI
NTS



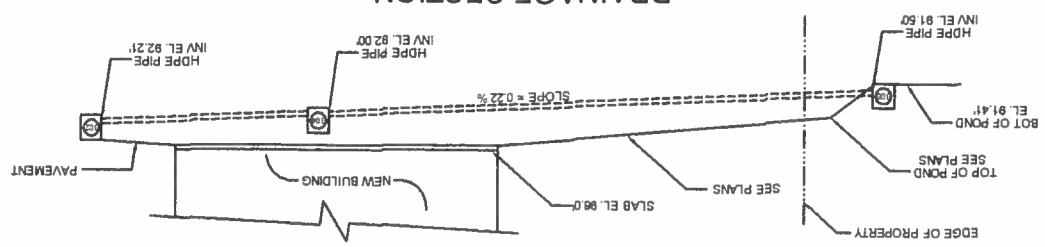
PAVEMENT SECTION
@ SIDEWALK (TYPICAL)



FINISHED GRADE SECTION
@ EDGE OF BUILDING



DRAINAGE SECTION
SCALE: N.T.S.



DRAINAGE STRUCTURE SCHEDULE						
DRAINAGE STRUCTURE	TYPE OF STRUCTURE	TOP ELEVATION OF STRUCTURE	INVERT ELEVATION OF STRUCTURE	SLOPE	LENGTH OF PIPE	DROP IN ELEVATION
S01	TYPE 'C' DBI	95.62'	93.20'	0.2 %	134.7'	0.2694'
S02	TYPE 'C' DBI	95.62'	92.62'	0.2 %	95.4'	0.1905'
S03	TYPE 'C' DBI	95.43'	92.43'	0.2 %	188.3'	0.3766'
S04	TYPE 'C' DBI	95.43'	92.43'	0.2 %	313.3'	0.6266'
S05	HDPE PIPE	-	91.50'	0.2 %	-	-
S06	HDPE PIPE	-	91.50'	0.2 %	-	-

NORTH FLORIDA TRUCK PARTS

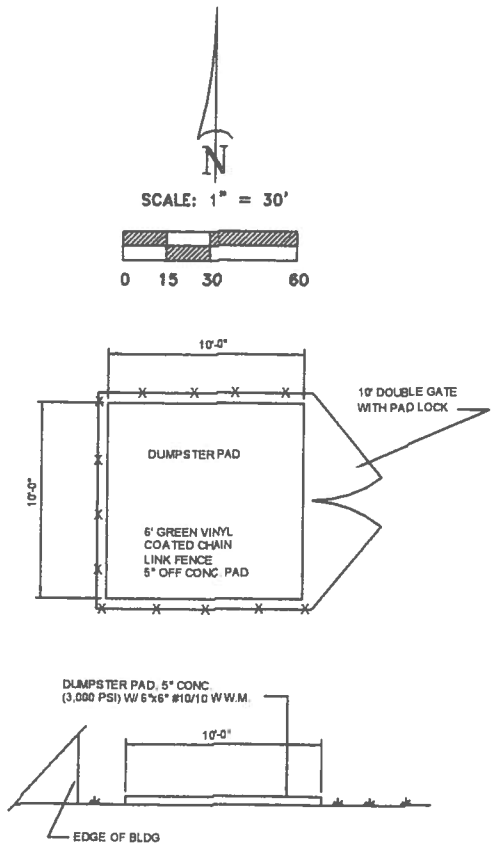
LAKE CITY, FLORIDA

SITE DATA

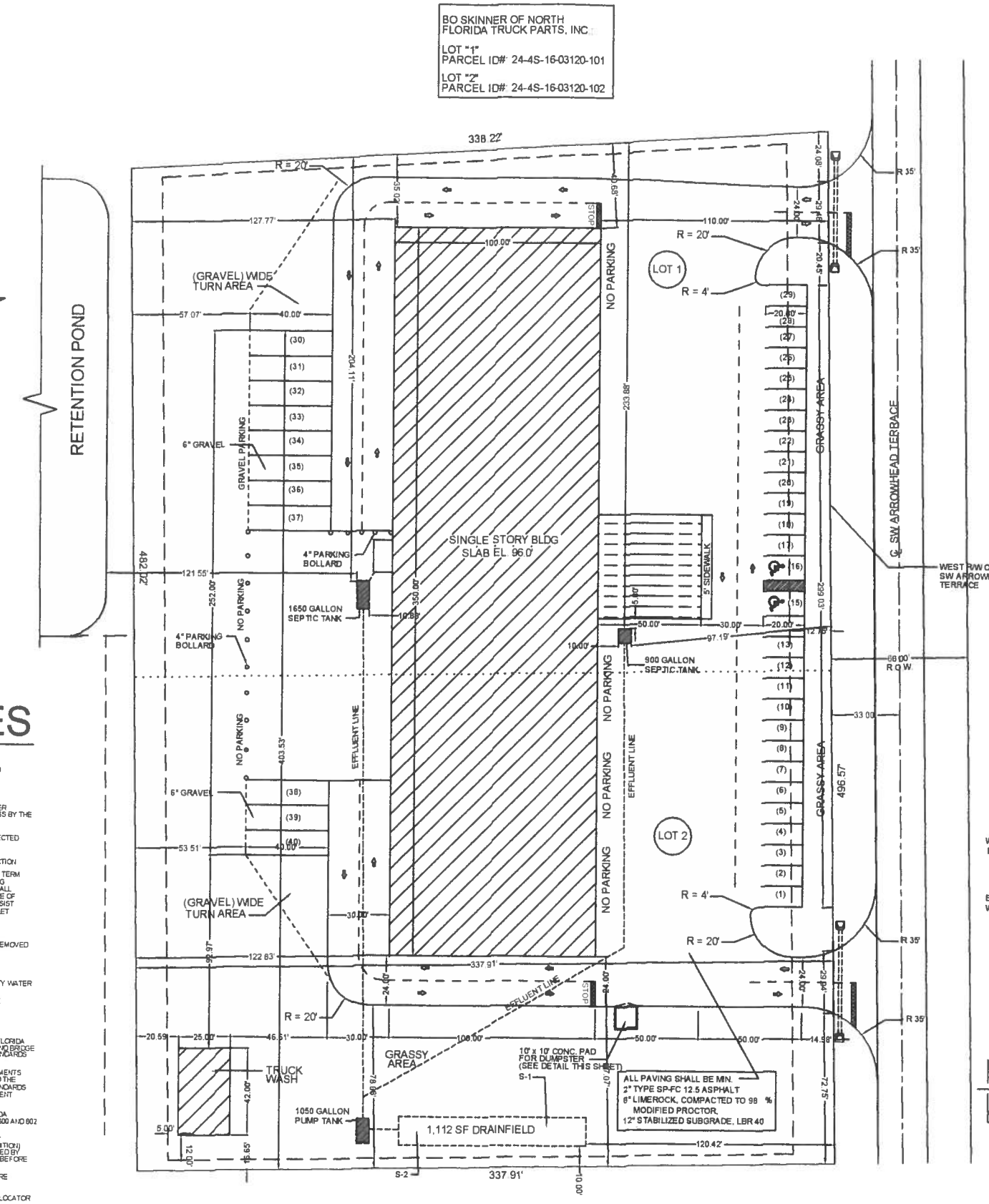
PROJECT:	NORTH FLORIDA TRUCK PARTS, BO SKINNER		
LEGAL DESCRIPTION:	REFER TO ATTACHED SURVEY		
ZONING:	COMMERCIAL INTENSIVE		
AREA COMPUTATIONS:	SQUARE FEET	ACRES	% OF TOTAL
GROSS SITE AREA	165,336 9405 SF	3 7956 Ac	-
GROSS DEVELOPMENT AREA	165,336 9405 SF	3 7956 Ac	100 000 %
TOTAL AREA:			
IMPERVIOUS AREA			
BUILDINGS	38,550 0000 SF	0 8850 Ac	23 317 %
CONCRETE DRIVES	46,265 6383 SF	1 0621 Ac	27 982 %
TOTAL IMPERVIOUS	84,815 6383 SF	1 9471 Ac	51 299 %
PERVIOUS AREA			
GRAVEL PARKING	12,427 3300 SF	0 2817 Ac	7 421 %
GREEN AREA	68,093 9722 SF	1 5632 Ac	41 184 %
TOTAL PERVIOUS	80,341 3022 SF	1 8444 Ac	48 595 %

PARKING REQUIRED:
1 PER 150 SF OFFICE (2,500 SF) — 17 - CARS
1 PER 1500 SF WAREHOUSE (35,000 SF) — 23 - CARS
TOTAL REQUIRED: 40 - SPACES

PARKING PROVIDED: 50 - SPACES
27 - REGULAR SPACES (CONC)
21 - REGULAR SPACES (GRAVEL)
2 - HANDICAP SPACES

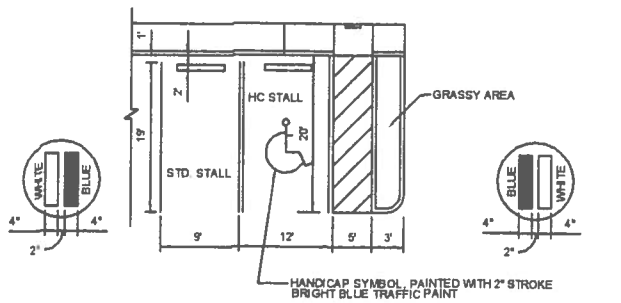


DUMPSTER PAD DETAILS
N.T.S.

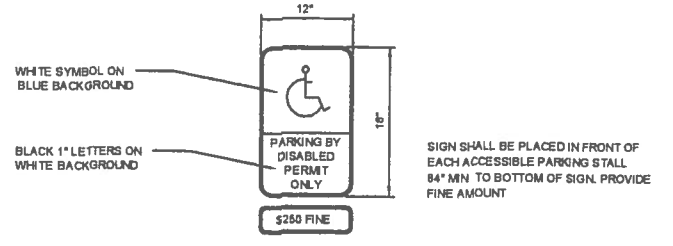


SITE PLAN
SCALE: 1" = 30'

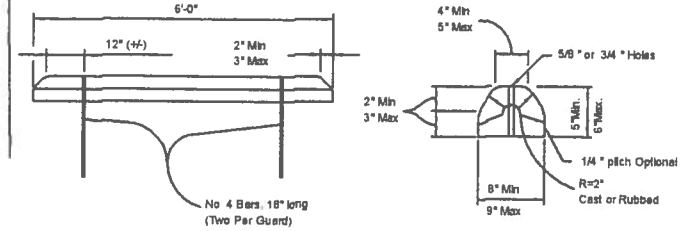
EXISTING PERMIT: ERP# 01-0407M
NOTE: MAXIMUM LOT COVERAGE = 60%
TOTAL PROPOSED IMPERVIOUS - COVERAGE = 55.865%



PARKING STALL DETAILS
N.T.S



HC SIGN DETAILS
N.T.S



CONCRETE WHEEL STOP
NTS

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK
2. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC
3. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER
4. ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION
5. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG TERM VEGETATION AND QUICK GROWING SHORT TERM VEGETATION FOR THE FOLLOWING CONDITIONS: FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG TERM SEED AND 20 POUNDS PER ACRE OF MILLET
6. A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES, OUTFALL DITCHES AND COLLECTION PIPE OUTLETS
7. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED
8. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION
9. ALL UTILITY CONSTRUCTION SHALL MEET THE CITY OF LAKE CITY/COLUMBIA COUNTY WATER AND WASTEWATER UTILITY STANDARDS
10. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER
11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS
12. THE DRIVEWAY CONNECTION IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD FOR SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION)
13. THE TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION) ACCORDING TO STATE INDEXES 17302 AND 17346. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC LEAD FREE PAINT
14. MAINTENANCE OF TRAFFIC SHALL BE PERFOMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS 600 AND 602
15. THE CONTRACTOR SHALL OBTAIN THREE DENSITY TESTS ACCORDING TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) LIMEROCK SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. A COPY OF THE TESTS SHALL BE SUBMITTED TO CITY OF LAKE CITY BEFORE STARTING ANY PAVING OPERATIONS
16. THE CONTRACTOR SHALL ADHERE TO THE EROSION CONTROL PLAN SHEET BEFORE COMMENCING ANY EARTHWORK ON THE SITE
17. CONTRACTOR TO INSTALL LOCATOR DEVICES AT TAP LOCATIONS (WATER/SEWER) LOCATOR DEVICES BY CITY OF LAKE CITY

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REVISIONS	
SHEET	SP - 1
OF	4
PROJECT NO.	06.C010

ENGINEERING DESIGN CRITERIA

BROTHERS BUILDERS
Job Number: 16085
End User:
Job Location: LAKE CITY,FL

DATE: 6/ 5/06
DESIGNED BY: RSH
DETAILED BY: MTF
CHECKED BY: JWH

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:	25	feet
NOMINAL LENGTH:	42	feet
EAVE HEIGHT, BACK S.W:	16	feet
EAVE HEIGHT, FRONT S.W:	18.083	feet
ROOF SLOPE, LEFT:	1.0:12	
ROOF SLOPE, RIGHT:		

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	
FRAME SELF WEIGHT:	INCLUDED	
ROOF DEAD LOAD:	2	psf
COLLATERAL LOAD:	0	psf
LIVE LOAD:	20	psf
SNOW LOAD, ROOF:	0	psf
WIND SPEED:	110 mph	3 sec gust
WIND EXPOSURE:	B	
CLOSURE "C, O, P" :	Open	
IMP. FACTOR, WIND :	1.00	
BUILDING CATEGORY :	II	
SEISMIC PARAMETERS:		
SEISMIC USE GROUP:	I	
SEISMIC DESIGN CATEGORY:	D	
SPECTRUAL RESPONSE COEF. "SDS" :	0.14	
(2 SEC PERIOD)		
SPECTRUAL RESPONSE COEF. "SD1" :	0.11	
(1 SEC PERIOD)		
SITE CLASS (ASSUMED) :	D	

BASIC SEISMIC-FORCE RESISTING SYSTEM MOMENT RESISTING FRAME
DESIGN BASE SHEAR : .06 HORIZ.
ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

ENGINEER'S STAMP

FLORIDA PRODUCT APPROVAL INFORMATION

	APPROVAL #
26 GA. PBR PANEL ~ Galvalume	FL 5346
GA. PANEL ~ N/A	

GENERAL NOTES

1. MATERIALS

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 NINTH EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". PER SECTION 8D.1, 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 RESPONSIBILTY FOR THE EFFECTS NON STANDARD COMPONENTS DESIGNED BY OTHERS MAY HAVE ON THE SYSTEM IN GENERAL.

SHEETING

26 GA.	PBR PANEL ~ Galvalume	ROOF
GA.	PANEL ~	WALL

TRIM

26 GA.	Polar White	GUTTER
26 GA.	Polar White	DOWNS
26 GA.	Polar White	RAKE
26 GA.	Polar White	EAVE
26 GA.	N/A	CORNER
26 GA.	N/A	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	WALL
PAINT: RED OXIDE	SCREWS:
	ROOF: #12x1.25 STD
	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

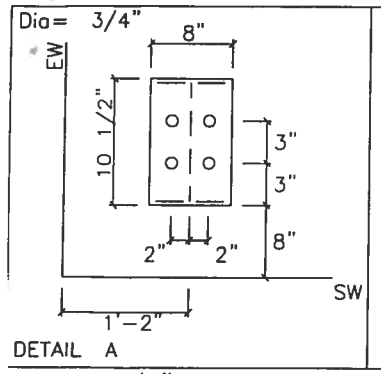
NO.	DESCRIPTION
N/A	N/A

DRAWING RELEASE HISTORY

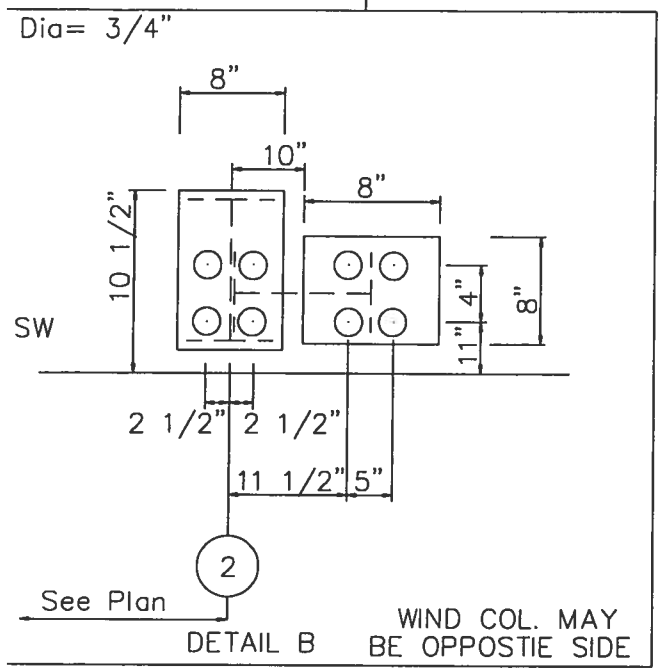
DATE SENT	REASON FOR RELEASE
	A
	B
	C
	D
	E
	F
	G
	H
	I
	J
	K
	L
	M

DRAWING REVISIONS

REVISION	DATE	BY	DESCRIPTION
			10/24/06



DETAIL A



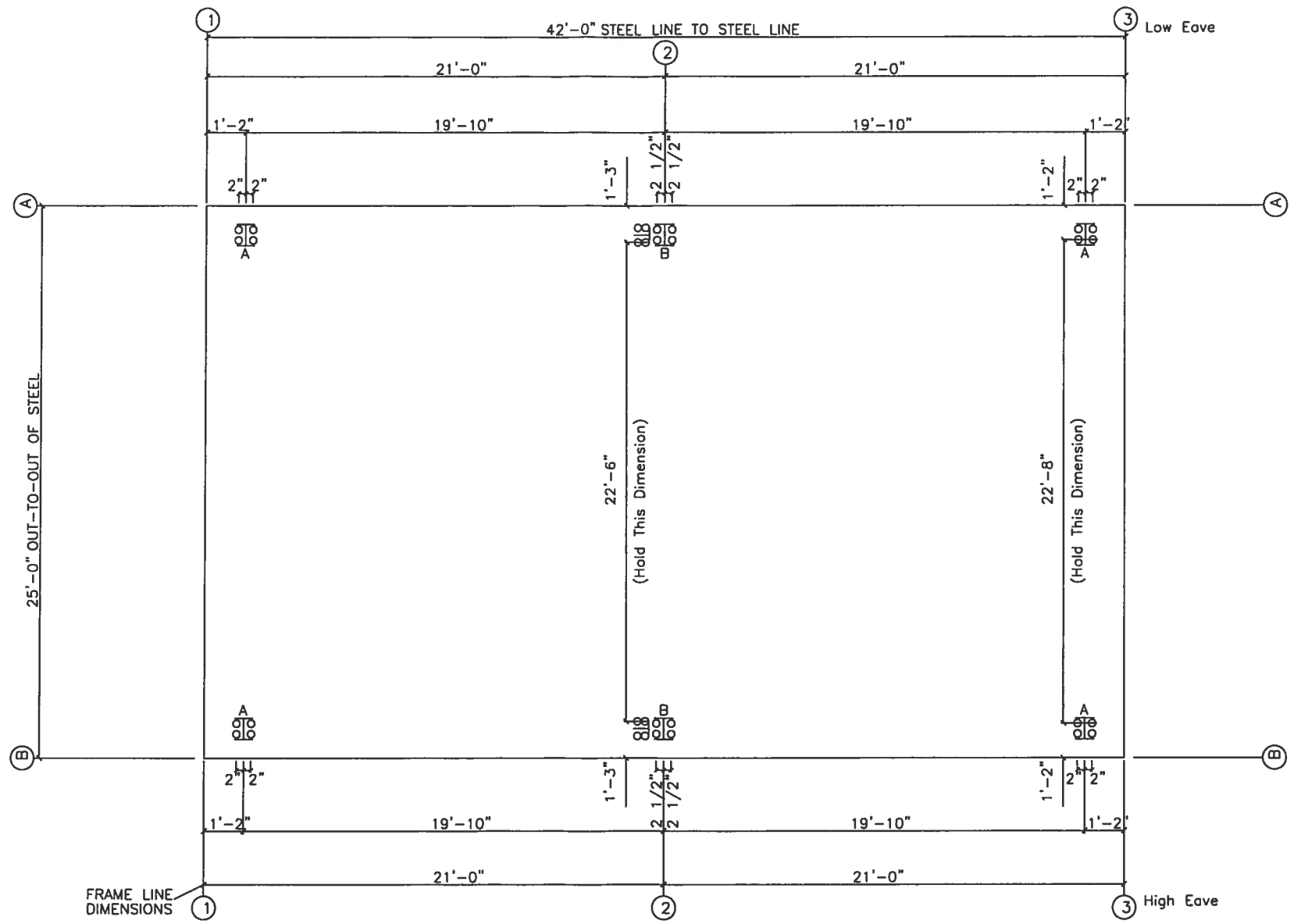
DETAIL B

WIND COL. MAY BE OPPOSTIE SIDE

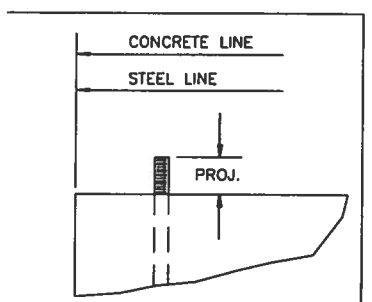
ANCHOR BOLT NOTES:
VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AND OTHER FACTORS.

ANCHOR BOLT SUMMARY

Qnt	Loc	Dia (in)	Total Len (in)	Bend Len (in)	Proj (in)
O 24	RF	3/4"	18.00	3.00	3.00
O 8	WF	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

SEAL

10/24/06

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

BROTHERS BUILDERS			
PROJECT	25.0 x 42.0 x 16.0 x 18.0	ANCHOR BOLT PLAN	
ID	16085	DESIGN: RSH | DRAFT: MTF	CHECK: JWH
PROJECT ADDRESS	LAKE CITY,FL	DATE: 6/ 5/06	SHEET 1 OF 10

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	= 25.0
Length (ft)	= 42.0
Eave Height (ft)	= 16.0/18.1
Roof Slope (rise/12)	= 1.0
Dead Load (psf)	= 2.0
Collateral Load (psf)	= 0.0
Roof Live Load (psf)	= 20.0
Frame Live Load (psf)	= 16.0
Wind Speed (mph)	= 110.0
Wind Code (3 sec gust)	= FBC 04
Exposure	= B
Closed/Open	= O
Importance - Wind	= 1.00
Importance - Seismic	= 1.00
Seismic Coeff (Fa*Ss)	= 0.14

Id	Description
1	DL+CL+LL
2	DL+CL+0.75LL+0.75WL2
3	DL+CL+0.75LL+0.75WR2
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.

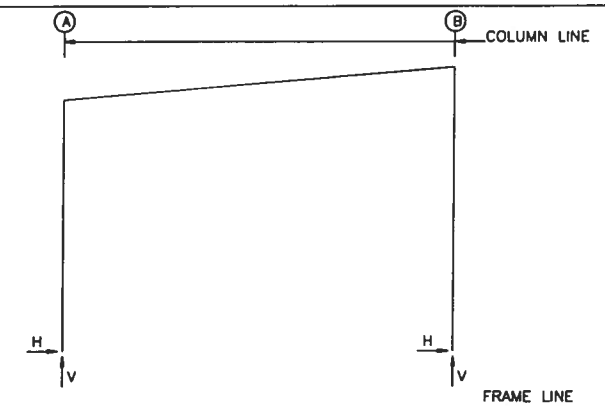
(2.) FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER.

(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. Bolt No	Anc. Bolt Dia (in)	Base Plate Wid (in)	Base Plate Len (in)	Base Plate Thk (in)	Grout (in)
1 *	A	4	0.750	8.000	10.50	0.500	0.0
1 *	B	4	0.750	8.000	10.50	0.500	0.0

1 * Frame lines: 1 3

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt No	Anc. Bolt Dia (in)	Base Plate Wid (in)	Base Plate Len (in)	Base Plate Thk (in)	Grout (in)
2	A	4	0.750	8.000	10.50	0.500	0.0
2	B	4	0.750	8.000	10.50	0.500	0.0

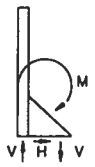
RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert	Wind_L2 Horiz	Wind_L2 Vert
1 *	A	0.13	0.95	0.00	0.00	0.83	4.96	-3.23	-5.47	2.30	-1.41	-3.23	-5.47
1 *	B	-0.13	1.01	0.00	0.00	-0.83	5.04	-1.47	-2.48	3.83	-6.54	-1.47	-2.48
2	A	0.13	0.98	0.00	0.00	0.87	5.20	-3.39	-5.75	2.41	-1.48	-3.39	-5.75
2	B	-0.13	1.05	0.00	0.00	-0.87	5.30	-1.54	-2.60	4.02	-6.87	-1.54	-2.60

Frame Line	Column Line	Wind_R2 Horiz	Wind_R2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert	LnWind_L Horiz	LnWind_L Vert	LnWind_R Horiz	LnWind_R Vert	LnSeis Horiz	LnSeis Vert
1 *	A	2.30	-1.41	-0.04	-0.06	0.04	0.06	-0.31	-3.53	-0.31	-3.53		
1 *	B	3.83	-6.54	-0.04	0.05	0.04	-0.06	0.98	-4.53	0.98	-4.53		
2	A	2.41	-1.48	-0.03	-0.04	0.03	0.04	-0.33	-3.71	-0.33	-3.71		
2	B	4.02	-6.87	-0.03	0.04	0.03	-0.04	1.03	-4.76	1.03	-4.76		

1 * Frame lines: 1 3

WIND COLUMN REACTIONS



Loc	Wall Line	Col Line	R/L	Load_Id	± Reactions Horz (k)	± Reactions Vert (k)	Moment (f-k)	Anc_Bolt No	Anc_Bolt Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick
F_SW	B	2	L	Wind	1.57	21.64	25.25	4	0.750	8.00	8.00	0.50
				Seismic	0.06	0.87	1.01					
B_SW	A	2	R	Wind	1.48	17.72	20.67	4	0.750	8.00	8.00	0.50
				Seismic	0.06	0.73	0.85					

BRACING REACTIONS, PANEL SHEAR

Loc	Wall Line	Col Line	± Reactions (k) Wind Horz	± Reactions (k) Wind Vert	± Reactions (k) Seismic Horz	± Reactions (k) Seismic Vert	Panel Shear (lb/ft)
L_EW	1	Rigid Frame At Endwall					
F_SW	B	Wind Column In Wall					
R_EW	3	Rigid Frame At Endwall					
B_SW	A	Wind Column In Wall					

Protection of Openings

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.

SEAL

10/24/06

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

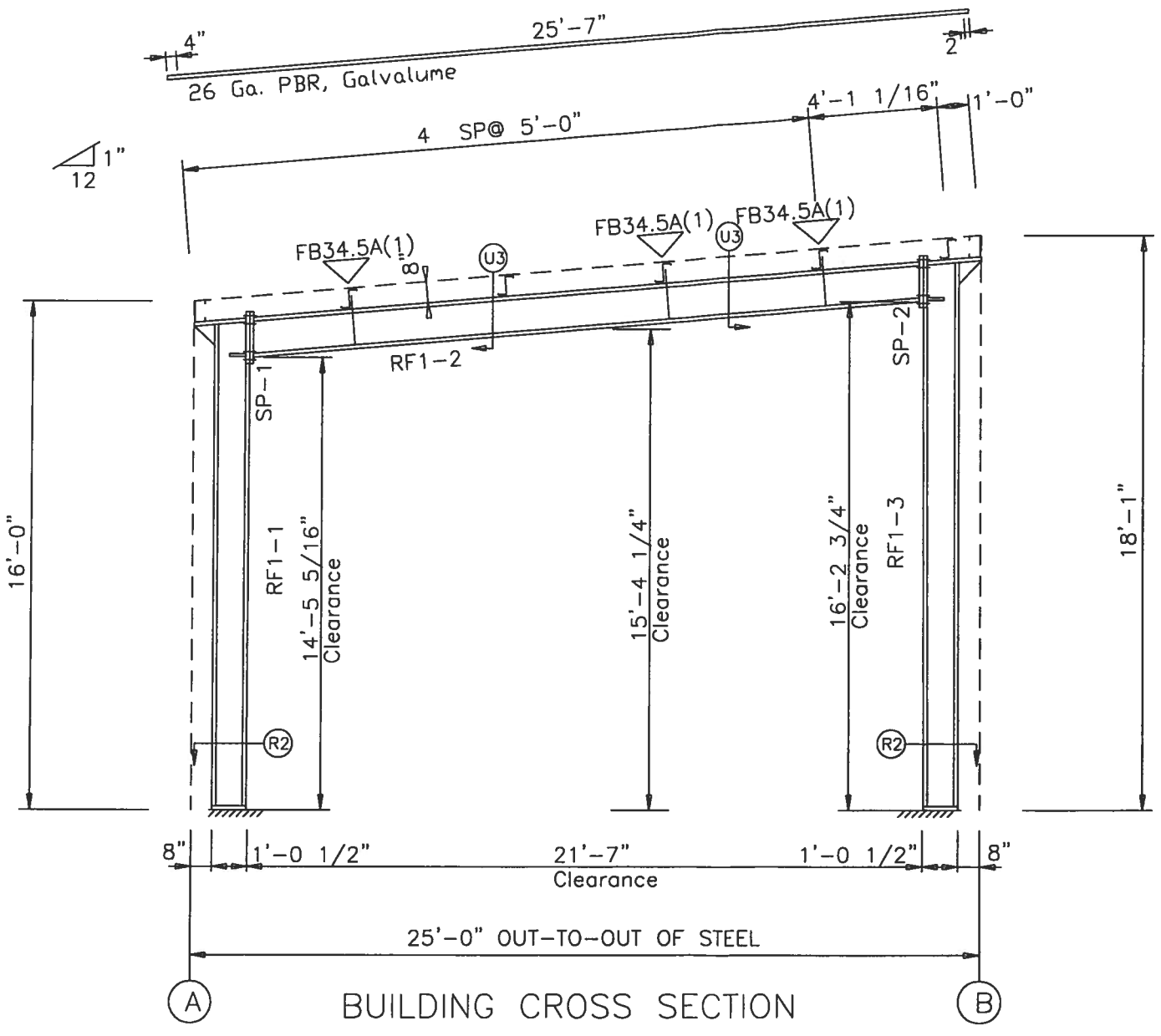
DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

BROTHERS BUILDERS		ANCHOR BOLT REACTIONS	
PROJECT	25.0 x 42.0 x 16.0 x 18.0	DESIGN: RSH	DRAFT: MTF CHECK: JWH
ID	16085	DATE: 6/ 5/06	SHEET 2
PROJECT ADDRESS	LAKE CITY,FL		

SPLICE BOLTS						
Splice Mark	Quan Top/Bot/Int			Bolt Type	Dia	Len
SP- 1	4	4	0	A325	0.625	2.00
SP- 2	4	4	0	A325	0.625	2.25

▽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
RF1-1	10.0/12.0	0.120	185.0	5x1/4" x184.0 5x3/16"x 20.3	5x1/4" x168.9
RF1-2	12.0/12.0	0.120	240.0	5x3/16"x240.0	5x3/16"x240.0
	12.0/12.0	0.120	19.1	5x3/16"x 18.1	5x3/16"x 18.1
RF1-3	12.0/10.0	0.120	207.6	6x3/16"x 20.3 6x1/4" x207.6	6x1/4" x190.4



BUILDING CROSS SECTION

FOR FRAME LINE 1 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.

REVISIONS							
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

BROTHERS BUILDERS			
PROJECT	25.0 x 42.0 x 16.0 x 18.0	BUILDING CROSS SECTION	
ID	16085	DESIGN: RSH DRAFT: MTF	CHECK: JWH
PROJECT ADDRESS	LAKE CITY,FL	DATE: 6/ 5/06	SHEET 3

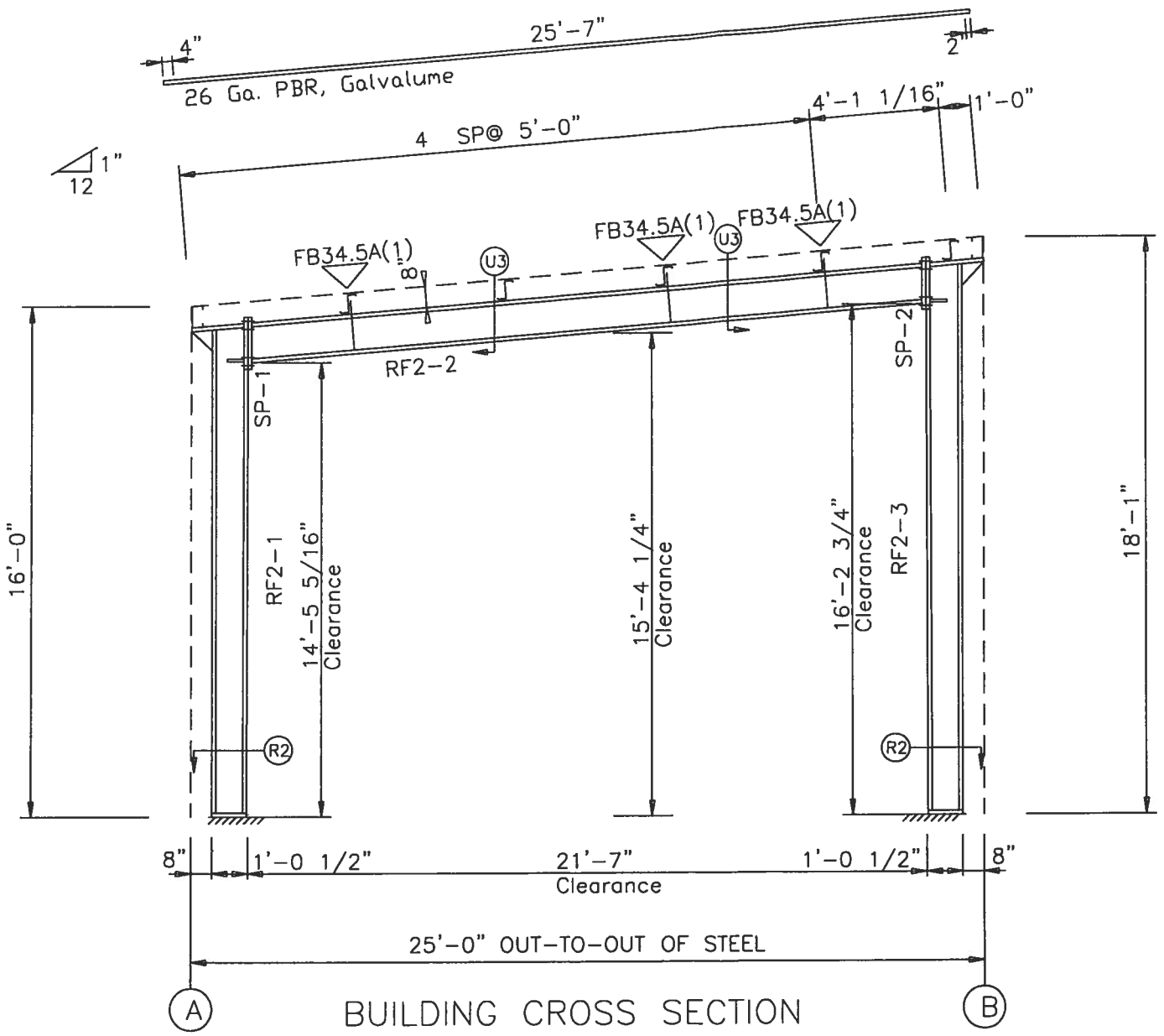
SEAL

10/24/06

SPLICE BOLTS						
Splice Mark	Quan Top/Bot/Int			Bolt Type	Bolt Dia	Bolt Len
SP- 1	4	4	0	A325	0.625	2.00
SP- 2	4	4	0	A325	0.625	2.25

▽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
RF2-1	10.0/12.0	0.120	185.0	5x1/4" x184.0 5x3/16"x 20.3	5x1/4" x168.9
RF2-2	12.0/12.0	0.120	240.0	5x3/16"x240.0	5x3/16"x240.0
	12.0/12.0	0.120	19.1	5x3/16"x 18.1	5x3/16"x 18.1
RF2-3	12.0/10.0	0.120	207.6	6x3/16"x 20.3 6x1/4" x207.6	6x1/4" x190.4



BUILDING CROSS SECTION

FOR FRAME LINE 2

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

BROTHERS BUILDERS	
PROJECT	25.0 x 42.0 x 16.0 x 18.0
ID	16085
PROJECT ADDRESS	LAKE CITY,FL

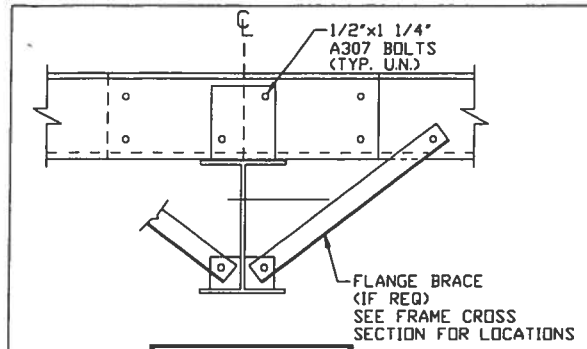
SEAL

10/24/06

BUILDING CROSS SECTION

DESIGN: RSH | DRAFT: MTF | CHECK: JWH

DATE: 6/ 5/06 | SHEET 4



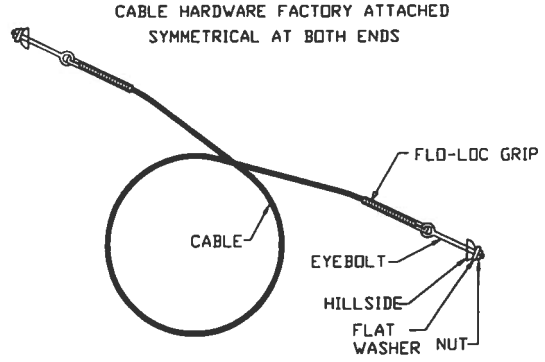
6 BOLTS TOTAL

ADDITIONAL HOLES ARE PRESENT FOR ALIGNMENT PURPOSES ONLY

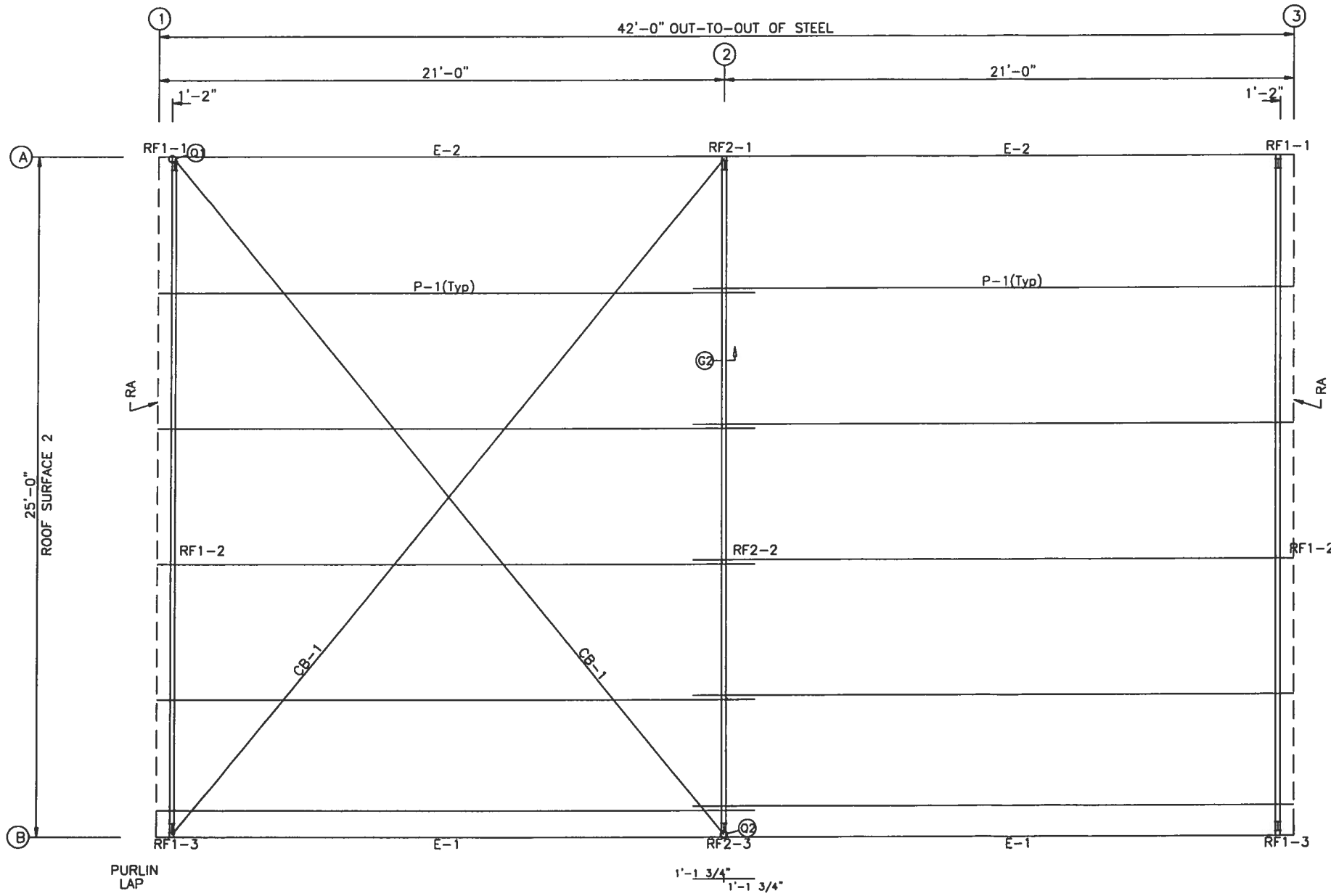
BRACE CABLE ASSEMBLY

CABLE HARDWARE FACTORY ATTACHED

SYMMETRICAL AT BOTH ENDS



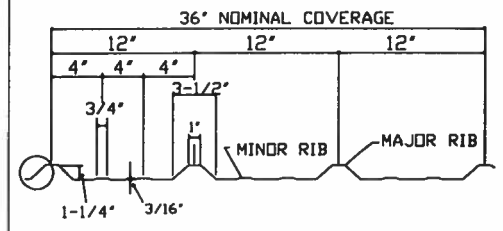
MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	8X25Z16	22'-1 1/2"
E-1	8E16	20'-11 1/2"
E-2	8E16	20'-11 1/2"
CB-1	0.250CBL	31'-2"



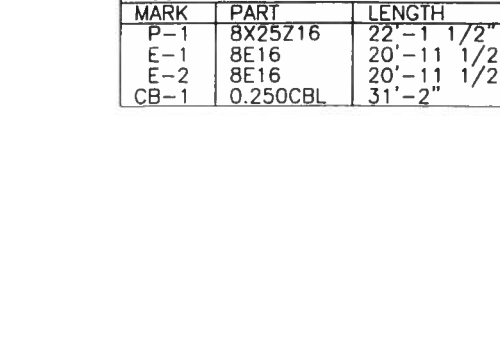
ROOF FRAMING PLAN

ROOF SHEETING

PANELS: 26 Ga. PBR
Galvalume



"PBR" ROOF PANEL PROFILE



"PBR" ROOF PANEL ATTACHMENT DETAIL

SEAL

10/24/06

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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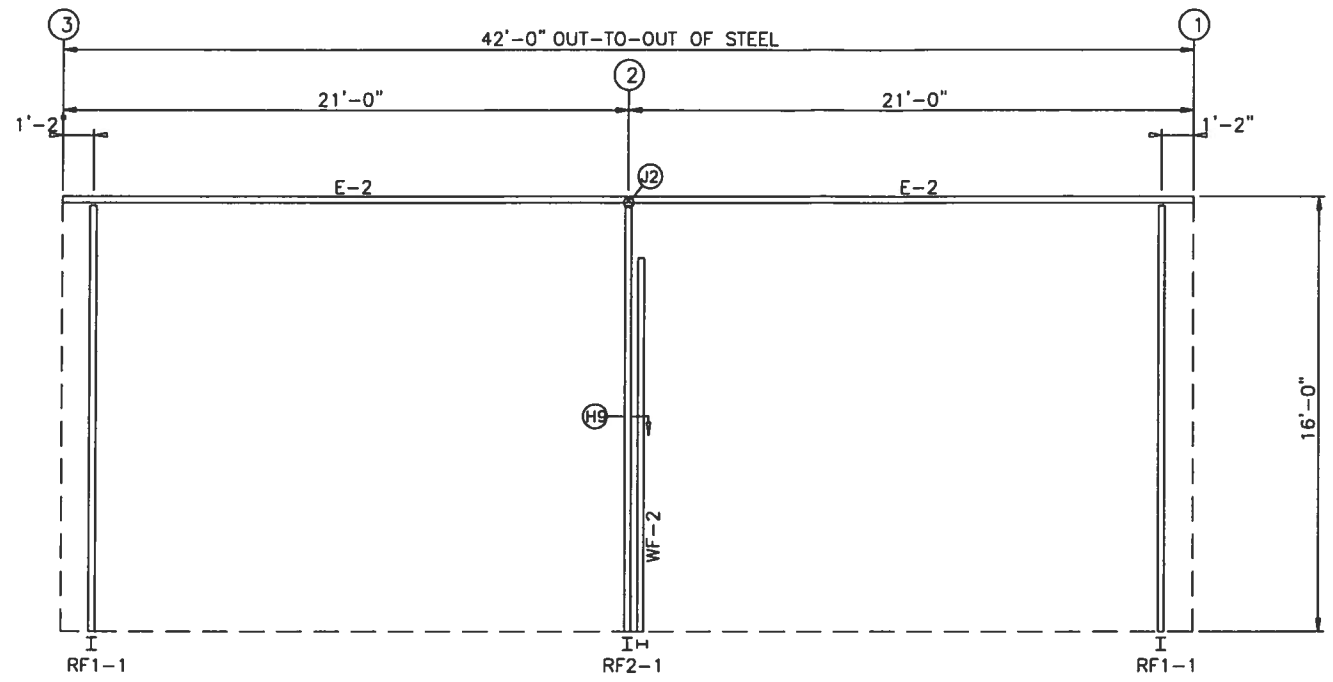
[ ] OTHER, EXPLAIN

BROTHERS BUILDERS		ROOF FRAMING	
PROJECT	25.0 x 42.0 x 16.0 x 18.0	DESIGN: RSH | DRAFT: MTF	CHECK: JWH
ID	16085	DATE: 6/ 5/06	SHEET 5
PROJECT ADDRESS	LAKE CITY,FL		

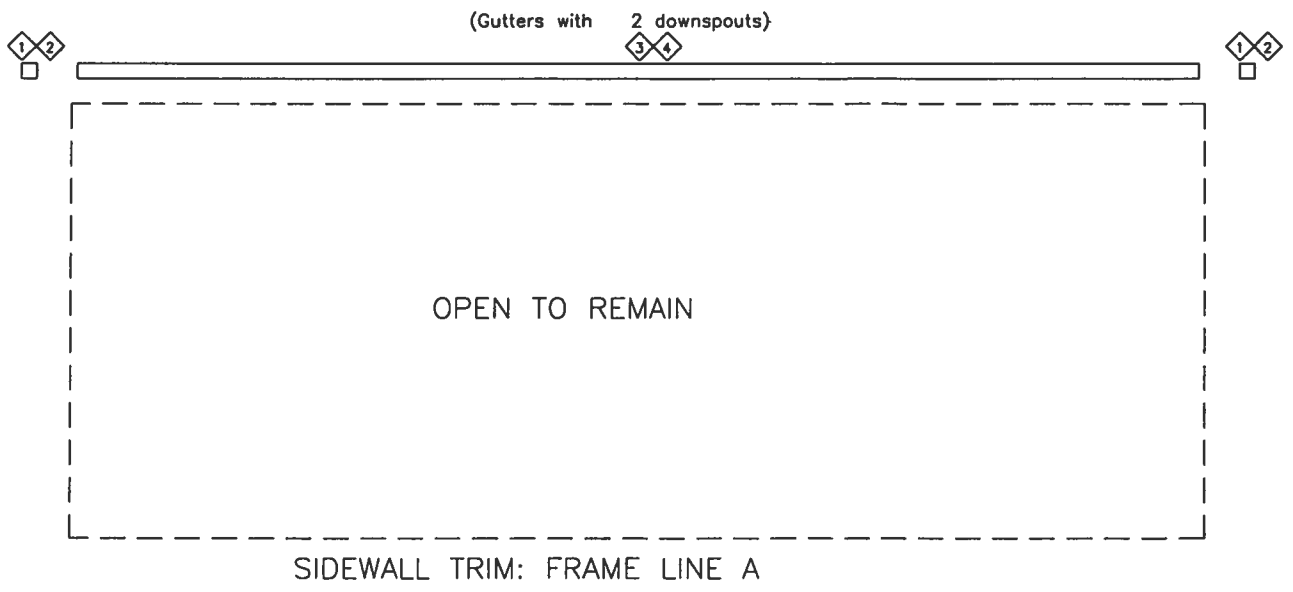
BOLT TABLE FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-2 – RF2-1	4	A325	5/8"	1 1/2"

TRIM TABLE FRAME LINE A			
◇ID	MARK	LENGTH	DETAIL
1	RVCB	6"	TM38
2	RVGE	6"	
3	RVEG	20'-3"	TM50
4	RVEG	2'-3"	TM50

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
WF-2	W14661	14'-0"
E-2	8E275S16	20'-11 1/2"



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL TRIM: FRAME LINE A

SEAL

10/24/06

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
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
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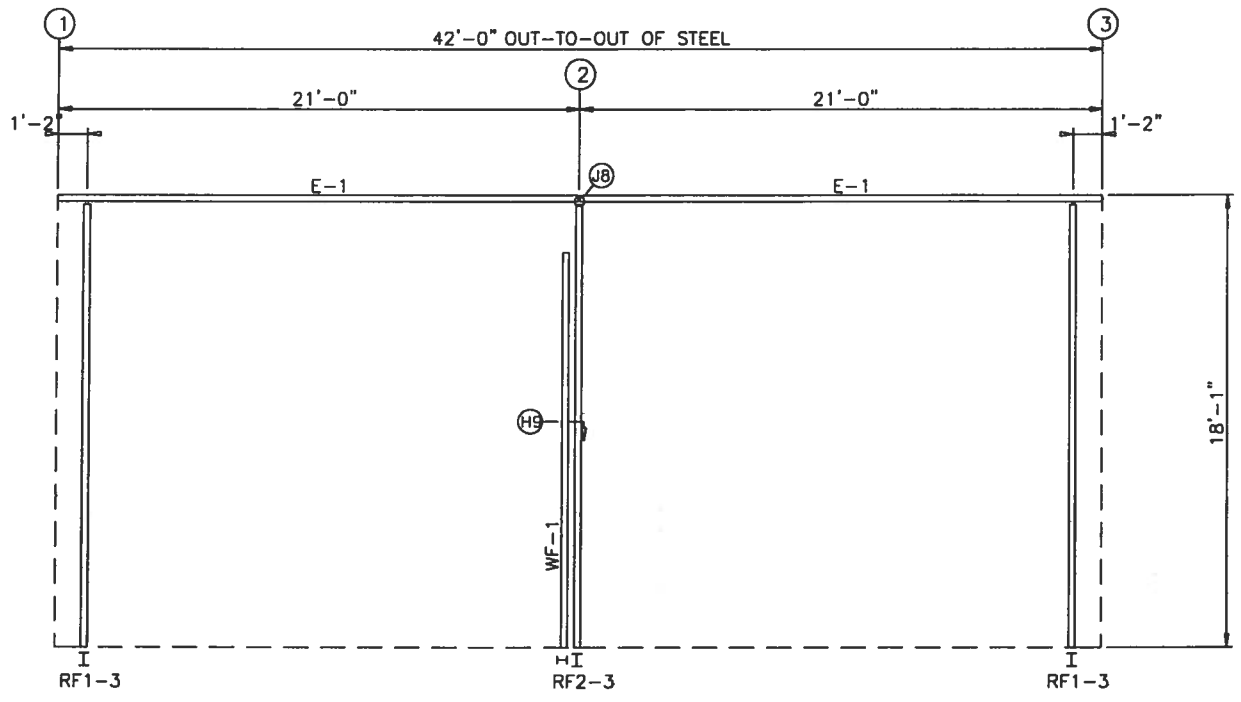
BROTHERS BUILDERS		SIDEWALL FRAMING	
PROJECT	25.0 x 42.0 x 16.0 x 18.0		
ID	16085	DESIGN: RSH	DRAFT: MTF / CHECK: JWH
PROJECT ADDRESS	LAKE CITY,FL	DATE: 6/ 5/06	SHEET 6

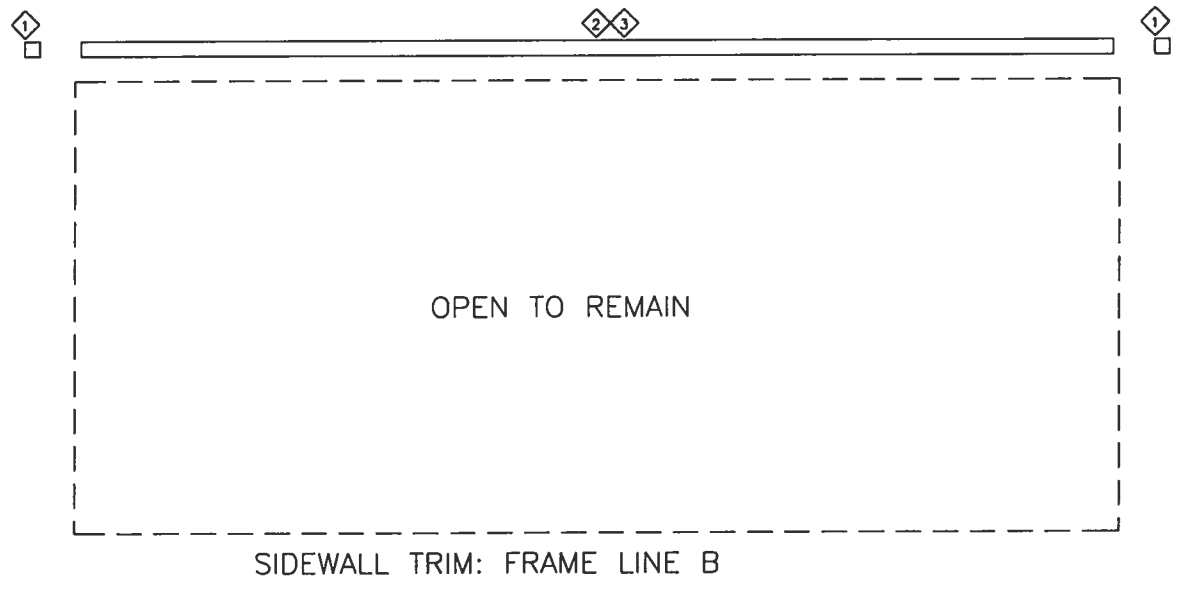
BOLT TABLE FRAME LINE B				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – RF1-3	4	A325	5/8"	1 1/2"

TRIM TABLE FRAME LINE B			
◇ID	MARK	LENGTH	DETAIL
1	VHSCB	6"	
2	HSET	20'-3"	TM8
3	HSET	2'-3"	TM8

MEMBER TABLE FRAME LINE B		
MARK	PART	LENGTH
WF-1	W14661	16'-1"
E-1	8E275S16	20'-11 1/2"



SIDEWALL FRAMING: FRAME LINE B



SIDEWALL TRIM: FRAME LINE B

SEAL

10/24/06

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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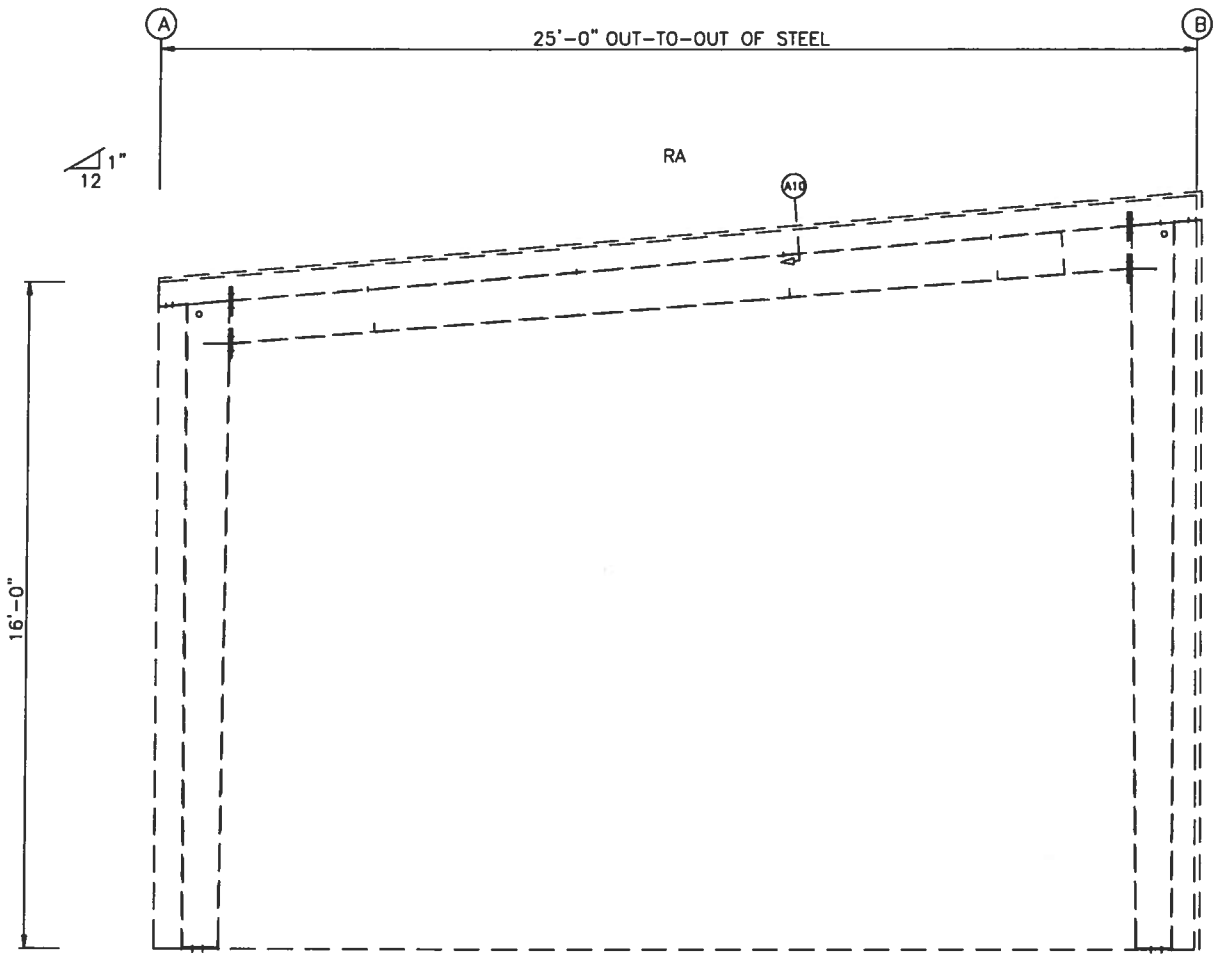
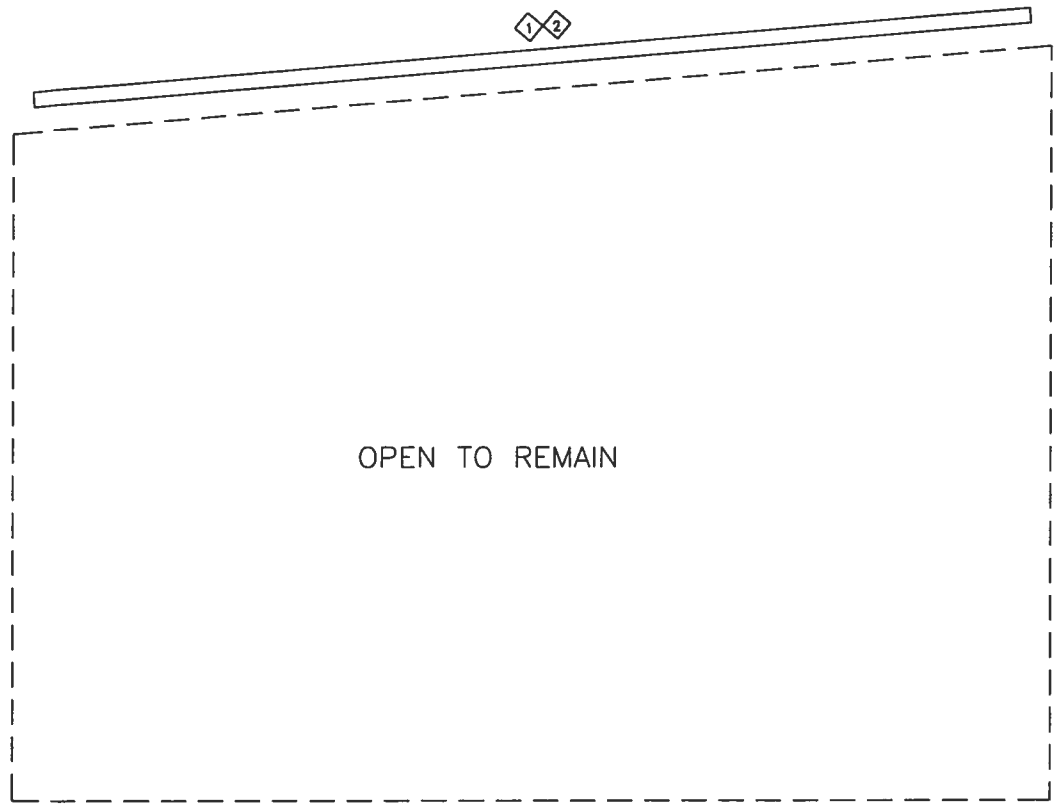
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

BROTHERS BUILDERS			
PROJECT	25.0 x 42.0 x 16.0 x 18.0	SIDEWALL FRAMING	
ID	16085	DESIGN: RSH | DRAFT: MTF	CHECK: JWH
PROJECT ADDRESS	LAKE CITY,FL	DATE: 6/ 5/06	SHEET 7

TRIM TABLE FRAME LINE 1			
◇ID	MARK	LENGTH	DETAIL
1	VRT	20'-3"	TM11
2	VRT	5'-5"	TM11



ENDWALL FRAMING: FRAME LINE 1



ENDWALL TRIM: FRAME LINE 1

SEAL

10/24/06

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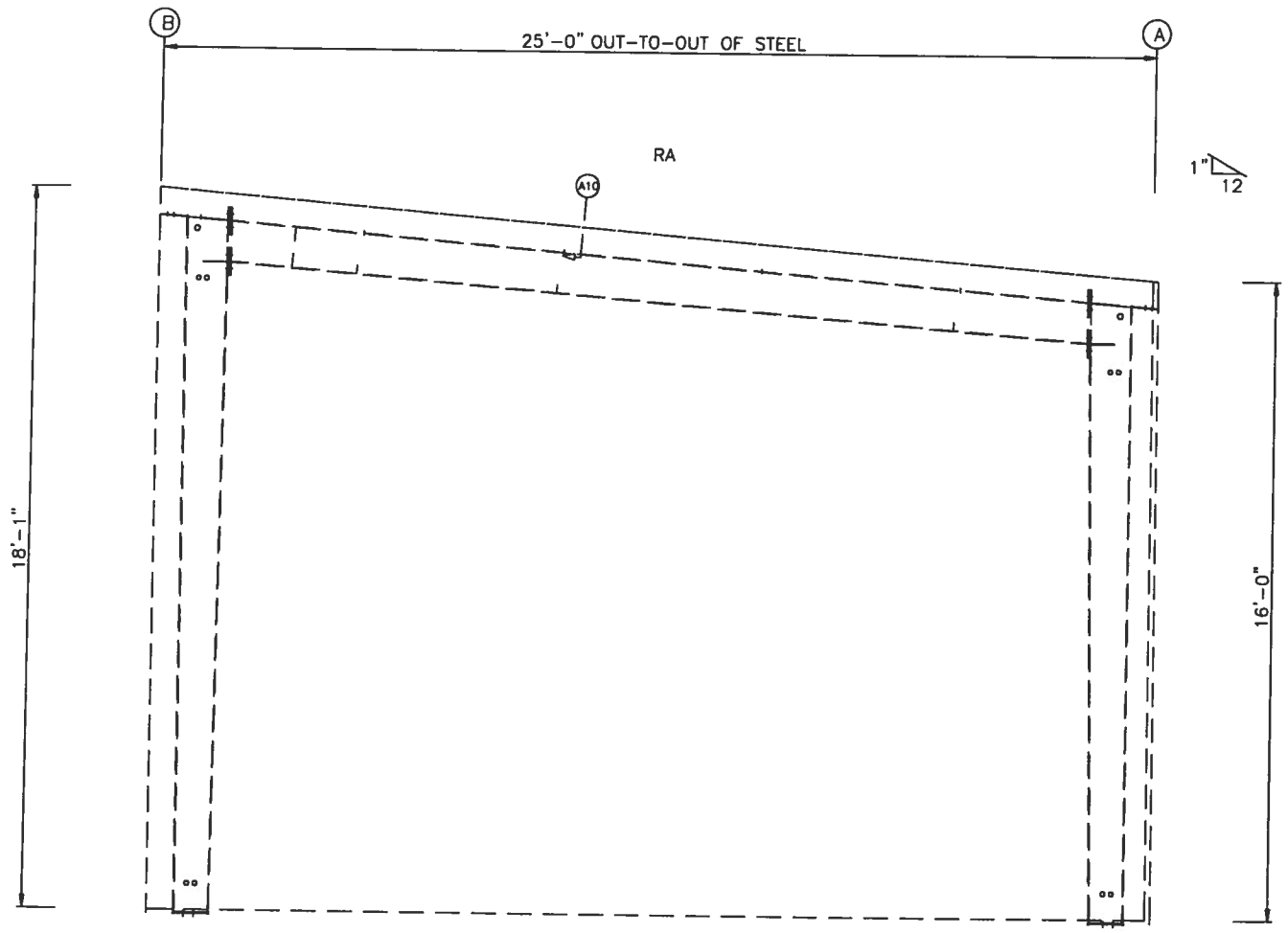
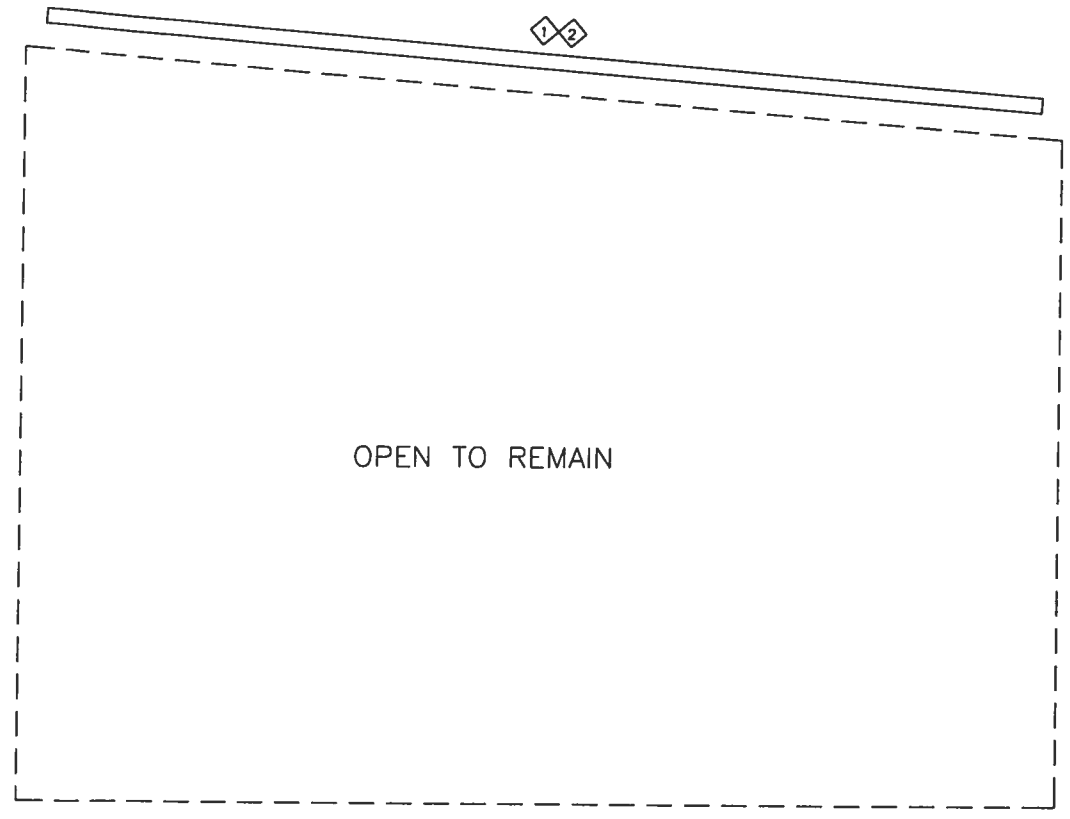
[ ] FOR PERMIT ONLY
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

BROTHERS BUILDERS		ENDWALL FRAMING	
PROJECT	25.0 x 42.0 x 16.0 x 18.0	DESIGN: RSH	DRAFT: MTF / CHECK: JWH
ID	16085	DATE: 6/ 5/06	SHEET 8
PROJECT ADDRESS	LAKE CITY,FL		

TRIM TABLE FRAME LINE 3			
◇ID	MARK	LENGTH	DETAIL
1	VRT	20'-3"	TM11
2	VRT	5'-5"	TM11



ENDWALL FRAMING: FRAME LINE 3



ENDWALL TRIM: FRAME LINE 3

SEAL

10/24/06

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							
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DRAWING STATUS
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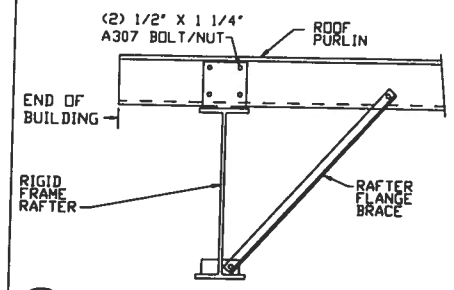
[ ] OTHER, EXPLAIN

BROTHERS BUILDERS	
PROJECT	25.0 x 42.0 x 16.0 x 18.0
ID	16085
PROJECT ADDRESS	LAKE CITY,FL

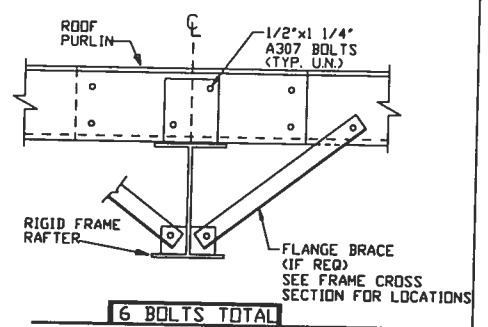
ENDWALL FRAMING

DESIGN: RSH | DRAFT: MTF | CHECK: JWH

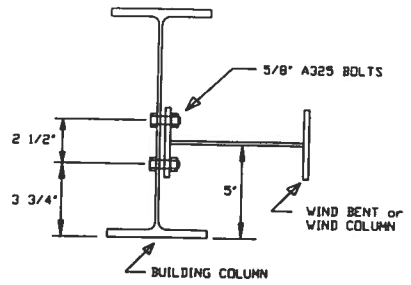
DATE: 6/ 5/06 | SHEET 9



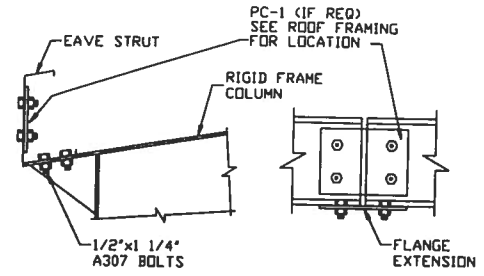
A10 ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME



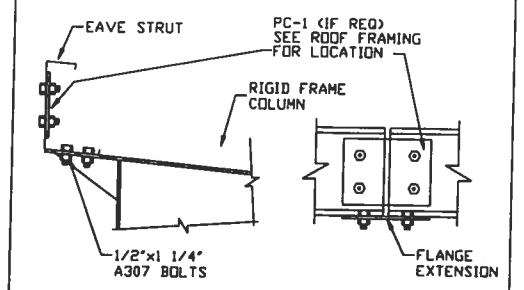
G2 ROOF PURLIN TO RIGID FRAME



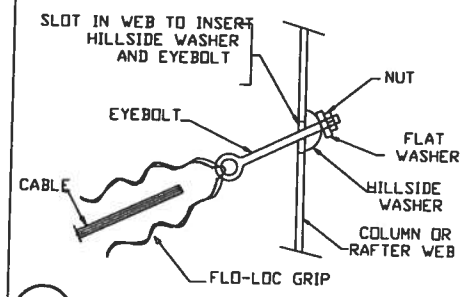
H9 WIND BENT OR WIND COLUMN TO BUILDING COLUMN



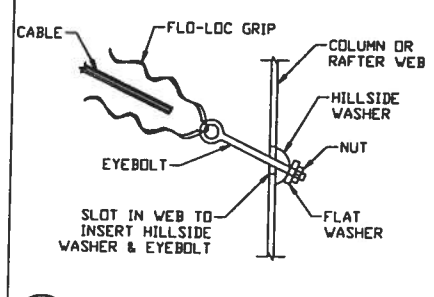
J2 EAVE STRUT TO RIGID FRAME



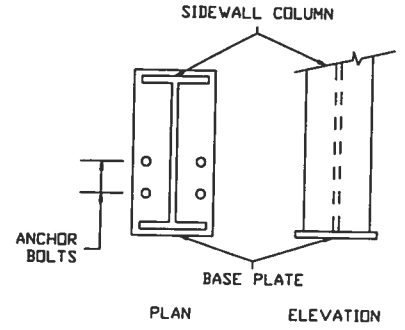
J8 EAVE STRUT TO RIGID FRAME



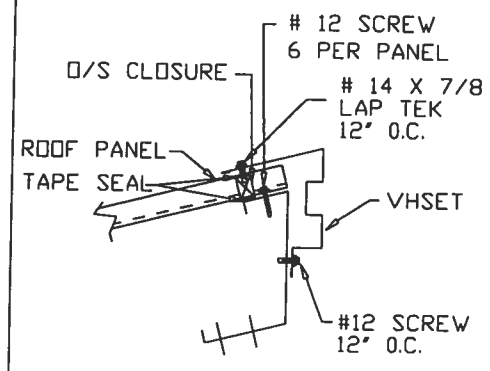
Q1 DIAGONAL CABLE, EYEBOLT END



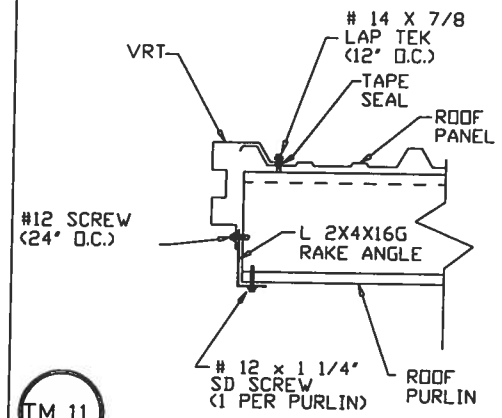
Q2 DIAGONAL CABLE EYEBOLT END



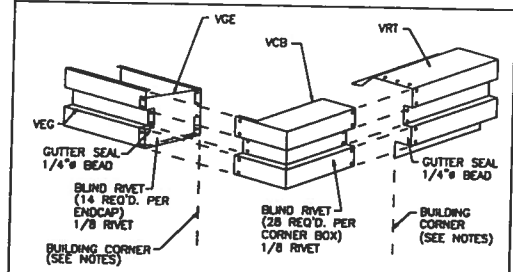
R2 ANCHOR BOLTS AT SIDEWALL COLUMN



TM8 @ EAVE_SINGLE_HIGH



TM 11 @ GABLE

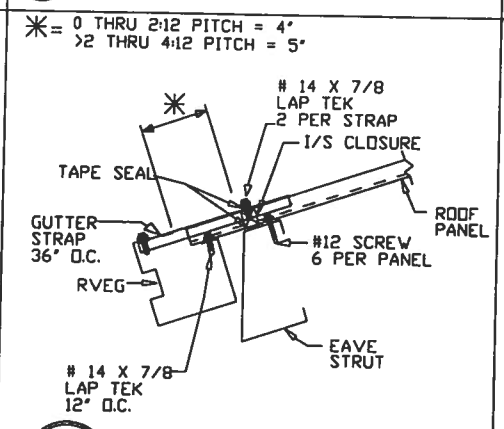


NOTES:
1. START AND STOP GUTTER AND RAKE FLASHING AT BUILDING CORNERS AND ALIGN WITH OUTSIDE EDGE OF WALL PANEL AT CORNERS.
2. CORNER BOX CAN BE USED ON ALL ROOF SLOPES.

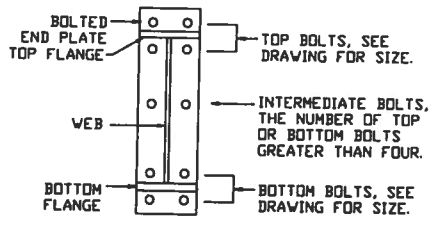
SAFETY PRECAUTION: WORKERS SHOULD ALWAYS WEAR GLOVES WHEN HANDLING METAL SURFACES WITH SHARP EDGES.

CORNER BOX INSTALLATION

TM38



TM50 @ EAVE_GUTTER



U3 BOLTS FOR RAFTER TO COLUMN CONNECTION

SEAL

10/24/06

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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

BROTHERS BUILDERS	
PROJECT	25.0 x 42.0 x 16.0 x 18.0
ID	16085
PROJECT ADDRESS	LAKE CITY,FL

Detail Page

DESIGN: RSH	DRAFT: MTF	CHECK: JWH
DATE: 6/ 5/06	SHEET	10