DATE 06/26/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024669

APPLICANT ASHLEY NAPIER PHONE 755-8887

ADDRESS 2109 W US HIHWAY 90 LAKE CITY FL 32055

OWNER FRAN & BILLY GRAHAM PHONE 813 878-6490

ADDRESS 440 SW COVEY COURT LAKE CITY FL 32025

CONTRACTOR BRIAN CRAWFORD PHONE 755-8887

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TR ON COVEY COURT, NEXT TO LA
LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 108550.00

HEATED FLOOR AREA 2171.00 TOTAL AREA 3440.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 21

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 01-4S-16-02678-209 SUBDIVISION COVEY COURT

LOT 9 BLOCK PHASE UNIT TOTAL ACRES

000001131 — Culvert Permit No.
Culvert Waiver
Contractor's License Number
Ashley Napier — Applicant/Owner/Contractor

CULVERT — Driveway Connection
06-0581-N — Septic Tank Number
BK — LU & Zoning checked by
JH — Approved for Issuance
New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD

Check # or Cash 598

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by
Foundation ____ date/app. by
Monolithic ____ date/app. by
Under slab rough-in plumbing ____ date/app. by
Slab ____ date/app. by
Sheathing/Nailing ____ date/app. by
Framing ____ date/app. by
Rough-in plumbing above slab and below wood floor ____ date/app. by
Electrical rough-in ____ date/app. by
Heat & Air Duct ____ date/app. by
Peri. beam (Lintel) ____ date/app. by
Permanent power ____ date/app. by
C.O. Final ____ date/app. by
Culvert ____ date/app. by
M/H tie downs, blocking, electricity and plumbing ____ date/app. by
Pool ____ date/app. by
Reconnection ____ date/app. by
Pump pole ____ date/app. by
Utility Pole ____ date/app. by
M/H Pole ____ date/app. by
Travel Trailer ____ date/app. by
Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 545.00 CERTIFICATION FEE $ 17.20 SURCHARGE FEE $ 17.20

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 679.40

INSPECTORS OFFICE CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 060664 Date Received 6-19-06 By CF Permit # 1131/246169

Application Approved by - Zoning Official BLK Date 23.06.06 Plans Examiner OK JTH Date 6-22-06

Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res Low Dev

Comments ~~Well~~ / NOC CK #598

Applicants Name Ashley Napier / Phone (386) 755-8887

Address 2109 W. US Hwy 90 Suite 170-144, Lake City, 32055

Owners Name Fran + Billy Graham Phone (813) 878-6490

911 Address 440 SW Covey CT. Lake City, FL 32025

Contractors Name Brian S. Crawford Phone 755-8887

Address "same as above" Concept Const.

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disosway

Mortgage Lenders Name & Address Mercantile Bank

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 01-4S-16-02678-209 Estimated Cost of Construction 214,000

Subdivision Name Covey Court Lot 9 Block ___ Unit ___ Phase ___

Driving Directions From Hwy 90 Take Sisters Welcome 1/2 mile past Bascom Norris. Right on Covey Court House on Left next to last lot on left

Type of Construction Sngle Family Number of Existing Dwellings on Property 0

Total Acreage .5 Lot Size 1/2 Acre Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 40' Side 15' Side 30' Rear 30'

Total Building Height 21'-2 1/4 Number of Stories 1 Heated Floor Area 2171.4 Roof Pitch 6/12

Porch 678 GARAGE 590 TOTAL 3440

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (Including Contractor) Contractor Signature

Contractors License Number CBC1251118

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

JANET L. CHEEK
MY COMMISSION # DD 226498
EXPIRES: June 25, 2007
Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before me this 13th day of June 20 06.

Personally known ✓ or Produced Identification ___

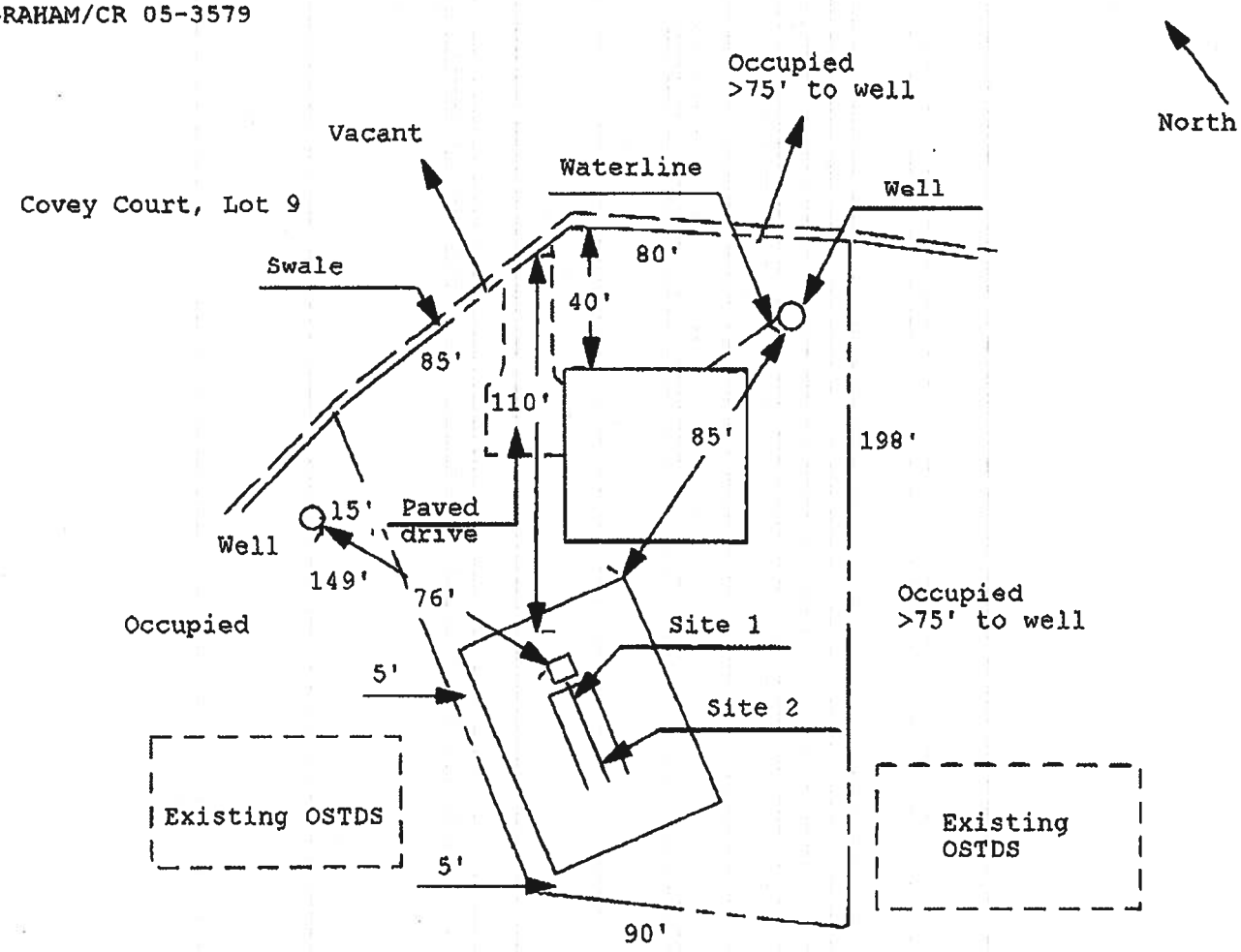
Janet L. Cheek
Notary Signature

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0581-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GRAHAM/CR 05-3579



REVISED 6-21-06

RECEIVED

1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 6/21/06

Plan Approved ✓ Not Approved ____ Date ____

By Sallie Graddy: ES II 6-21-06 CPHU

Columbia CHD

Notes: ____

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
03-174
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2003006975 Date:04/04/2003 Time:14:42
Doc Stamp-Deed : 168.00
DC,P.DeWitt Cason,Columbia County B:979 P:1779

Property Appraiser's
Identification Number
R02678-209

WARRANTY DEED

THIS INDENTURE, made this 2nd day of ~~March~~ April, 2003, BETWEEN CLAUDE STE MARIE and NICOLE STE MARIE, Husband and Wife whose post office address is Route 18 Box 707, Lake City, Florida 32025, of the County of Columbia, State of Florida, grantor*, and FRANCES P. GRAHAM and her husband, WILLIAM J. GRAHAM, whose post office address is 1842 Diane Drive, Clearwater, Florida, 33759-1707 of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 9, COVEY COURT, a subdivision according to the plat thereof as recorded in Plat Book 6, Page 168 of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Inst:2003006975 Date:04/04/2003 Time:14:42
Doc Stamp-Deed : 168.00
DC,P.DeWitt Cason,Columbia County B:979 P:1760

Signed, sealed and delivered
in our presence:

(Signature of First Witness)
Crystal L. Brunner
(Typed Name of First Witness)

(Signature of Second Witness)
DeEtte F. Brown
(Typed Name of Second Witness)

(SEAL)
Grantor
CLAUDE STE MARIE
Printed Name

(SEAL)
Grantor
NICOLE STE MARIE
Printed Name

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 2nd day of April, 2003, by CLAUDE STE MARIE and NICOLE STE MARIE, Husband and Wife who is/are personally known to me or who has/have produced _____ as identification and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FAXED

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	GRAHAM	Builder:	CONCEPT CONST.
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	24669
Owner:	GRAHAM	Jurisdiction Number:	221000
Climate Zone:	North		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	2171 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description (Dble Default)	Area 233.0 ft²
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear)	233.0 ft²
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 222.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1746.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 350.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 2171.0 ft²	
b.	Under Attic	R=19.0, 88.0 ft²	
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 224.0 ft	
b.	N/A		
12.	Cooling systems		
a.	Central Unit	Cap: 45.0 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 44.5 kBtu/hr HSPF: 9.10	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.92	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.11

Total as-built points: 24641

Total base points: 31721

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: SUNCOAST [redacted]
825 NW [redacted]
Newberry, FL [redacted]
(352) [redacted]

DATE: 6/16/06

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2171.0	26.94	7831.2	Double, Clear	W	2.0	6.0	75.0	36.52	0.85	2454.2
				Double, Clear	S	2.0	6.0	5.0	35.67	0.78	139.2
				Double, Clear	N	2.0	6.0	63.0	19.20	0.90	1088.7
				Double, Clear	E	2.0	6.0	90.0	42.06	0.85	3210.4
				As-Built Total:				233.0			6892.5
WALL TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points
Adjacent	350.0	0.70	245.0	Frame, Wood, Exterior			13.0	1746.0	1.50		2619.0
Exterior	1746.0	1.70	2968.2	Frame, Wood, Adjacent			13.0	350.0	0.60		210.0
Base Total:	2096.0		3213.2	As-Built Total:				2096.0			2829.0
DOOR TYPES	Area X	BSPM	= Points	Type				Area X	SPM	=	Points
Adjacent	18.0	2.40	43.2	Exterior Insulated				20.0	4.10		82.0
Exterior	20.0	6.10	122.0	Adjacent Insulated				18.0	1.60		28.8
Base Total:	38.0		165.2	As-Built Total:				38.0			110.8
CEILING TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM X SCM	=	Points
Under Attic	2171.0	1.73	3755.8	Under Attic			30.0	2171.0	1.73 X 1.00		3755.8
				Under Attic			19.0	88.0	2.34 X 1.00		205.9
Base Total:	2171.0		3755.8	As-Built Total:				2259.0			3961.8
FLOOR TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points
Slab	222.0(p)	-37.0	-8214.0	Slab-On-Grade Edge Insulation			0.0	222.0(p	-41.20		-9146.4
Raised	0.0	0.00	0.0								
Base Total:			-8214.0	As-Built Total:				222.0			-9146.4
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	=	Points
	2171.0	10.21	22165.9					2171.0	10.21		22165.9

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 28917.4			**Summer As-Built Points:**					**26813.5**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 45000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
28917.4	0.4266	12336.2	26814 **26813.5**	1.00 **1.00**	(1.09 x 1.147 x 0.91) **1.138**	0.263 **0.263**	1.000 **1.000**	8009.0 **8009.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2171.0	12.74	4978.5	Double, Clear	W	2.0	6.0	75.0	20.73	1.04	1621.0
				Double, Clear	S	2.0	6.0	5.0	13.30	1.26	83.7
				Double, Clear	N	2.0	6.0	69.0	24.58	1.00	1555.6
				Double, Clear	E	2.0	6.0	90.0	18.79	1.06	1793.8
				As-Built Total:				233.0			5054.1
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points
Adjacent	350.0	3.60	1260.0	Frame, Wood, Exterior			13.0	1746.0	3.40		5936.4
Exterior	1746.0	3.70	6460.2	Frame, Wood, Adjacent			13.0	350.0	3.30		1155.0
Base Total:	2096.0		7720.2	As-Built Total:				2096.0			7091.4
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points
Adjacent	18.0	11.50	207.0	Exterior Insulated				20.0	8.40		168.0
Exterior	20.0	12.30	246.0	Adjacent Insulated				18.0	8.00		144.0
Base Total:	38.0		453.0	As-Built Total:				38.0			312.0
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	2171.0	2.05	4450.5	Under Attic			30.0	2171.0	2.05 X	1.00	4450.5
				Under Attic			19.0	88.0	2.70 X	1.00	237.6
Base Total:	2171.0		4450.5	As-Built Total:				2259.0			4688.1
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points
Slab	222.0(p)	8.9	1975.8	Slab-On-Grade Edge Insulation			0.0	222.0(p	18.80		4173.6
Raised	0.0	0.00	0.0								
Base Total:			1975.8	As-Built Total:				222.0			4173.6
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points
	2171.0	-0.59	-1280.9					2171.0	-0.59		-1280.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**18297.2**	**Winter As-Built Points:**					**20038.4**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 44500 btuh ,EFF(9.1) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
			20038.4	1.000	(1.069 x 1.169 x 0.93)	0.375	1.000	8726.7
18297.2	**0.6274**	**11479.7**	**20038.4**	**1.00**	**1.162**	**0.375**	**1.000**	**8726.7**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.92	3	1.00	2635.00	1.00	7905.0
				As-Built Total:						7905.0

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
12336	11480	7905	31721	8009	8727	7905	24641

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

The higher the score, the more efficient the home.

GRAHAM, , , ,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 45.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	2171 ft²		c. N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 233.0 ft²		a. Electric Heat Pump	Cap: 44.5 kBtu/hr
	b. SHGC:				HSPF: 9.10
	(or Clear or Tint DEFAULT) 7b.	(Clear) 233.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 222.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1746.0 ft²			EF: 0.92
	b. Frame, Wood, Adjacent	R=13.0, 350.0 ft²		b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 2171.0 ft²	15.	HVAC credits	
	b. Under Attic	R=19.0, 88.0 ft²		(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 224.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

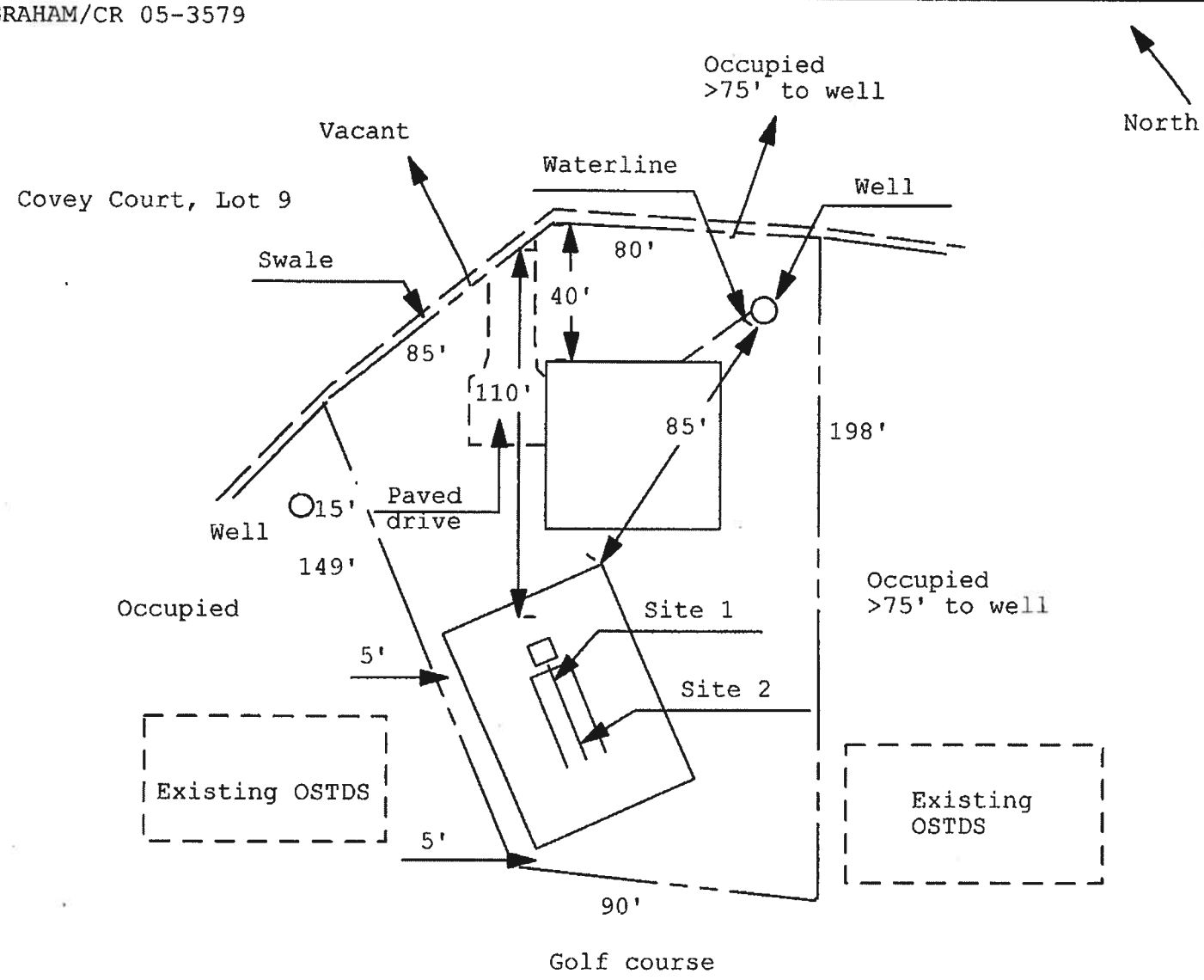
1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: _____

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GRAHAM/CR 05-3579



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 6/16/06

Plan Approved_____ **Not Approved**_____ **Date**_____

By_____ _____**CPHU**

Notes:_____

MEMBER OF The North Central Florida Water Well

Clyatt Well Drilling, Inc.
(Established in 1971)
POST OFFICE BOX 180
WORTHINGTON SPRINGS, FLORIDA 32697

Telephone Number (386)496-2488
FAX Number (386)496-4640

K. Melaine "Red" Clyatt

June 18, 2002

Columbia County Building Department
Post Office Box 1529
Lake City, Florida 32056

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the above-referenced well:

Size of Pump Motor:	1-1/2 Horse Power
Size of Pressure Tank:	220 Gallon Equivalent
Cycle Stop Valve Used:	No

Should you require any additional information, please do not hesitate to contact us.

Respectfully,

CLYATT WELL DRILLING, INC.

K. Melaine "Red" Clyatt
President

MEMBER OF The North Central Florida Water Well

Clyatt Well Drilling, Inc.
(Established in 1971)
POST OFFICE BOX 180
WORTHINGTON SPRINGS, FLORIDA 32697

Telephone Number (386)496-2488
FAX Number (386)496-4640

K. Melaine "Red" Clyatt

PUMP AND TANK SPECIFICATIONS FOR
STANDARD 4" RESIDENTIAL WELLS

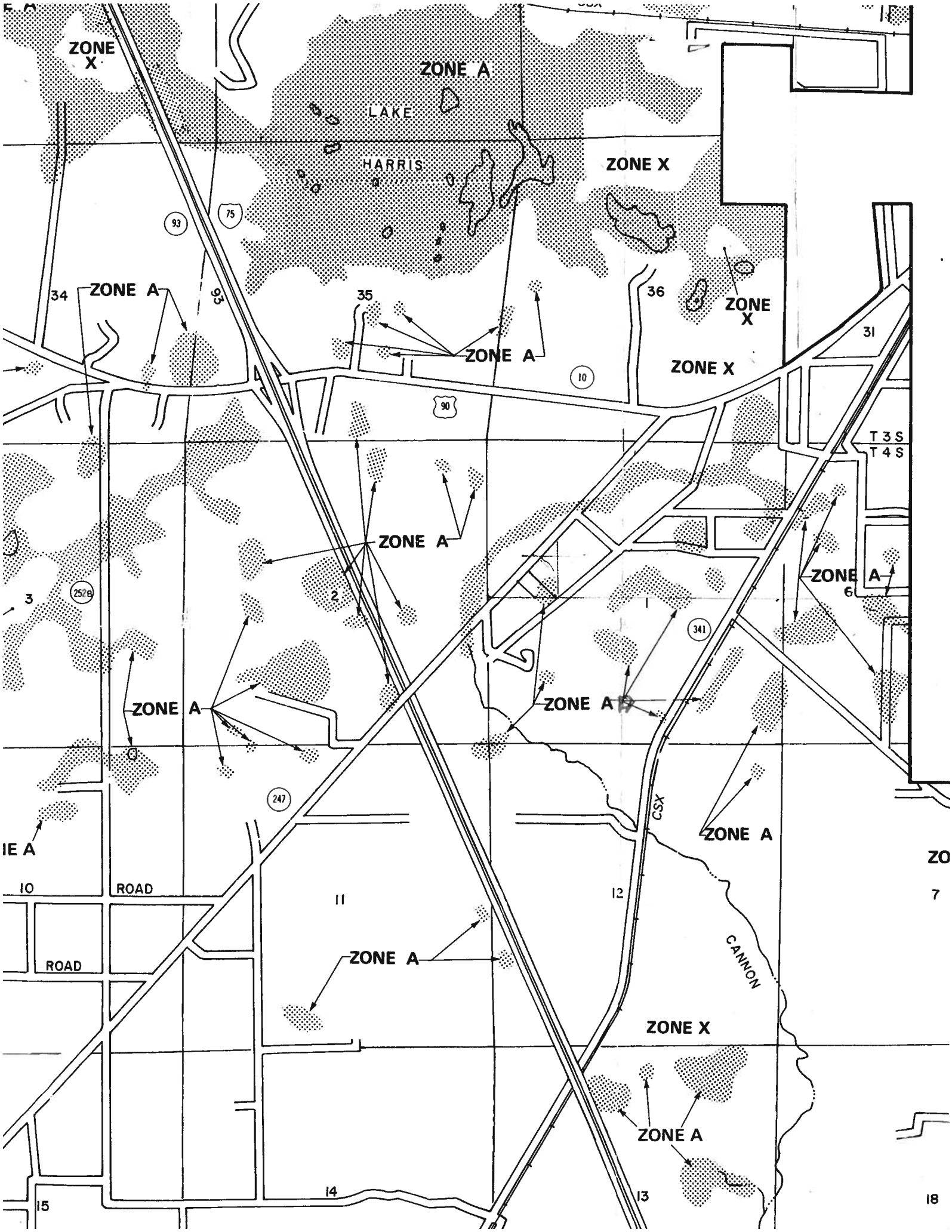
PUMPS

1 Horse Power Submersible Pump
20 Gallons Per Minute
Voltage: 240
Phase: (Single) 1

1.5 Horse Power Submersible Pump
25 Gallons Per Minute
Voltage: 240
Phase: (Single) 1

TANK

WF-255 Captive Air Tank
Capacity 81 Gallons
Equivalent 220 Gallons
Draw Down 25 Gallons


ZONE X
ZONE A
LAKE
HARRIS
ZONE X
93
75
34
ZONE A
93
35
ZONE A
36
ZONE X
31
ZONE X
10
90
T 3 S
T 4 S
ZONE A
2
ZONE A
6
3
252B
1
341
ZONE A
ZONE A
247
CSX
ZONE A
IE A
10
ROAD
ROAD
11
12
7
ZONE A
CANNON
ZONE X
ZONE A
14
13
15
18

Permit # 24669

GTC DESIGN GROUP

GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
cwilliams3@alltel.net

Finish Floor Elevation Certification

Contractor: Concept Construction of North Florida, Inc.
Brian S. Crawford

Description: Lot 9, Covey Court

Parcel ID#: 01-4S-16-02678-209

Foundation Requirements:

For protection against water damage, the minimum finish floor elevation of the proposed structure shall be 12 inches above the existing ground at any point along the perimeter of the proposed structure. In no case shall the finish floor elevation be more than 12 inches below the centerline of the adjacent roadway.

The ground around the proposed structure shall be graded such as to convey all stormwater runoff away from the proposed structure.

The above elevations are based on the structure's current staked location, approximately +/- 50 feet South from the adjacent county road's right of way.

Chad Williams
P.E. License Number: 63144
August 1, 2006

RETURN TO:
PINELLAS TITLE SERVICES, INC.
2420 ENTERPRISE ROAD
SUITE 107
CLEARWATER, FL 33763
727-712-1313

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF: Columbia

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:

1. Description of Property: Lot 9 Covey Court
Lot 9 Covey Court Lake City, FL 32025

2. General Description of Improvements: Residential Construction

3. Name and Address of Owner: Frances P. Graham & William J. Graham
1842 Diana Drive
Clearwater, FL 33759

Interest in Property: Fee Simple

Name and Address of Fee Simple Titleholder (if other than owner): N/A

4. Name and Address of Contractor: Concept Construction of North Florida
2109 US HWY 90 Suite 170-144
Lake City, FL 32058

5. Name and Address of Surety on payment bond, if any, and amount of such bond: N/A

Amount of Bond: $0

6. Name and Address of Lender:

MERCANTILE BANK
425 22nd Avenue North
St. Petersburg, FL 33704

Attention: Sara Lopez

Inst:200601795 Date:06/20/2006 Time:13:37
DC,P.DeWitt Cason,Columbia County B:1087 P:775

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1)(b), Florida Statutes:

MERCANTILE BANK
425 22nd Avenue North
St. Petersburg, FL 33704

Attention: Sara Lopez

8. In addition to himself, Owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

OWNER: Frances P. Graham & William J. Graham

STATE OF FLORIDA
COUNTY OF: Columbia Pinellas

I HEREBY CERTIFY that before me personally appeared Frances P Graham & William J Graham to me personally known or who has produced Florida Drivers License as identification, known to me to be the person described in and who executed the foregoing instrument, and severally acknowledged the execution thereof to be his free act and deed, for the uses and purposes therein expressed.

WITNESS my hand and official seal at Pinellas, said County and State, this 15th day of June, 2006.

Notary Public
Print Name: R Mueller
My Commission Expires:

RACHELLE MUELLER
MY COMMISSION # DD 454785
EXPIRES: July 26, 2009
Bonded Thru Notary Public Underwriters

#024669

PERMIT # 24669

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)262-4047
2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 06-425
DATE TESTED: 7/12/06
DATE REPORTED: 7/13/06

PROJECT:	Graham Residence, Covey Ct., Lot #9, Lake City, FL
CLIENT:	Concept Construction, 2109 W. US 90, Lake City, FL 32055
GENERAL CONTRACTOR:	Concept Construction, 2109 W. US 90, Lake City, FL 32055
EARTHWORK CONTRACTOR:	Concept Construction, 2109 W. US 90, Lake City, FL 32055
INSPECTOR:	P. Geiger

ASTM METHOD	SOIL USE
(D-2922) Nuclear	BUILDING FILL

SPECIFICATION REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	10' N x 7' E of SW Corner	0-12"	110.8	5.9	104.6	PIT	107.0	97.8%
2	5' N x 15' W of SE Corner	0-12"	111.4	5.2	105.9	PIT	107.0	99.0%
3	12' S x 5' W of NE Corner	0-12"	108.0	4.1	103.7	PIT	107.0	97.0%
4	10' S x 10' E of NW Corner	0-12"	109.7	6.7	102.8	PIT	107.0	96.1%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS

PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft³)	OPT. MOIST.	TYPE
PIT	Tan sand with trace of clay (Dan Register Pit)	107.0	11.2	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer

Linda M. Creamer
President - CEO

Reviewed By:

Date: 7/14/06
Florida Registration No: 52612

sc

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001131

DATE 06/26/2006 PARCEL ID # 01-4S-16-02678-209

APPLICANT ASHLEY NAPIER PHONE 755-8887

ADDRESS 2109 W US HIHWAY 90 LAKE CITY FL 32055

OWNER FRAN & BILLY GRAHAM PHONE 813 878-6490

ADDRESS 440 SW COVEY COURT LAKE CITY FL 32025

CONTRACTOR BRIAN CRAWFORD PHONE 755-8887

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TR ON COVEY COURT, NEXT TO LAST LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COVEY COURT 9

SIGNATURE x Ashley Napier

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FAXED

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	GRAHAM	Builder:	CONCEPT CONST.
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:	GRAHAM	Jurisdiction Number:	
Climate Zone:	North		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	2171 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description (Dble Default) 233.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 233.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 222.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1746.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 350.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 2171.0 ft²	
b.	Under Attic	R=19.0, 88.0 ft²	
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 224.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 45.0 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 44.5 kBtu/hr HSPF: 9.10	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.92	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.11

Total as-built points: 24641

Total base points: 31721

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: SUNCOAST [redacted] 825 NW 28th [redacted] Newberry, FL [redacted] (352) 472-[redacted] Fax (352) [redacted]

DATE: 6/16/06

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2171.0	29.84	7831.2	Double, Clear	W	2.0	6.0	75.0	38.52	0.85	2454.2	
				Double, Clear	S	2.0	6.0	5.0	35.87	0.78	139.2	
				Double, Clear	N	2.0	6.0	63.0	19.20	0.90	1088.7	
				Double, Clear	E	2.0	6.0	90.0	42.06	0.85	3210.4	
				As-Built Total:				233.0			6892.6	
WALL TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Adjacent	350.0	0.70	245.0	Frame, Wood, Exterior			13.0	1746.0	1.50		2619.0	
Exterior	1746.0	1.70	2968.2	Frame, Wood, Adjacent			13.0	350.0	0.60		210.0	
Base Total:	2096.0		3213.2	As-Built Total:				2096.0			2829.0	
DOOR TYPES	Area X	BSPM	= Points	Type				Area X	SPM	=	Points	
Adjacent	18.0	2.40	43.2	Exterior Insulated				20.0	4.10		82.0	
Exterior	20.0	6.10	122.0	Adjacent Insulated				18.0	1.60		28.8	
Base Total:	38.0		166.2	As-Built Total:				38.0			110.8	
CEILING TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM X SCM	=	Points	
Under Attic	2171.0	1.73	3755.8	Under Attic			30.0	2171.0	1.73 X 1.00		3755.8	
				Under Attic			19.0	88.0	2.34 X 1.00		205.9	
Base Total:	2171.0		3755.8	As-Built Total:				2259.0			3961.8	
FLOOR TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Slab	222.0(p)	-37.0	-8214.0	Slab-On-Grade Edge Insulation			0.0	222.0(p	-41.20		-9146.4	
Raised	0.0	0.00	0.0									
Base Total:			-8214.0	As-Built Total:				222.0			-9146.4	
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	=	Points	
	2171.0	10.21	22165.9					2171.0	10.21		22165.9	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 28917.4			**Summer As-Built Points:**					**26813.5**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 45000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
28917.4	0.4266	12336.2	26814 **26813.5**	1.00 **1.00**	(1.09 x 1.147 x 0.91) **1.138**	0.263 **0.263**	1.000 **1.000**	8009.0 **8009.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2171.0	12.74	4978.5	Double, Clear	W	2.0	6.0	75.0	20.73	1.04	1621.0
				Double, Clear	S	2.0	6.0	5.0	13.30	1.26	83.7
				Double, Clear	N	2.0	6.0	63.0	24.58	1.00	1555.6
				Double, Clear	E	2.0	6.0	90.0	18.79	1.06	1793.8
				As-Built Total:				233.0			5054.1
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points
Adjacent	350.0	3.60	1260.0	Frame, Wood, Exterior			13.0	1746.0	3.40		5936.4
Exterior	1746.0	3.70	6460.2	Frame, Wood, Adjacent			13.0	350.0	3.30		1155.0
Base Total:	2096.0		7720.2	As-Built Total:				2096.0			7091.4
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points
Adjacent	18.0	11.50	207.0	Exterior Insulated				20.0	8.40		168.0
Exterior	20.0	12.30	246.0	Adjacent Insulated				18.0	8.00		144.0
Base Total:	38.0		453.0	As-Built Total:				38.0			312.0
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	2171.0	2.05	4450.5	Under Attic			30.0	2171.0	2.05 X	1.00	4450.5
				Under Attic			19.0	88.0	2.70 X	1.00	237.6
Base Total:	2171.0		4450.5	As-Built Total:				2259.0			4688.1
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points
Slab	222.0(p)	8.9	1975.8	Slab-On-Grade Edge Insulation			0.0	222.0(p	18.80		4173.6
Raised	0.0	0.00	0.0								
Base Total:			1975.8	As-Built Total:				222.0			4173.6
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points
	2171.0	-0.59	-1280.9					2171.0	-0.59		-1280.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**18297.2**	**Winter As-Built Points:**					**20038.4**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 44500 btuh ,EFF(9.1) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
18297.2	0.6274	11479.7	20038.4	1.00	1.162 (1.089 x 1.169 x 0.93)	0.375	1.000	8726.7

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.92	3		1.00	2635.00	1.00	7905.0
				As-Built Total:							7905.0

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points		Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	
12336	11480	7905	31721		8009	8727	7905	24641	

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

The higher the score, the more efficient the home.

GRAHAM, , , ,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 45.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	2171 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 233.0 ft²		a. Electric Heat Pump	Cap: 44.5 kBtu/hr
	b. SHGC:				HSPF: 9.10
	(or Clear or Tint DEFAULT) 7b.	(Clear) 233.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 222.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1746.0 ft²			EF: 0.92
	b. Frame, Wood, Adjacent	R=13.0, 350.0 ft²		b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 2171.0 ft²	15.	HVAC credits	
	b. Under Attic	R=19.0, 88.0 ft²		(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 224.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

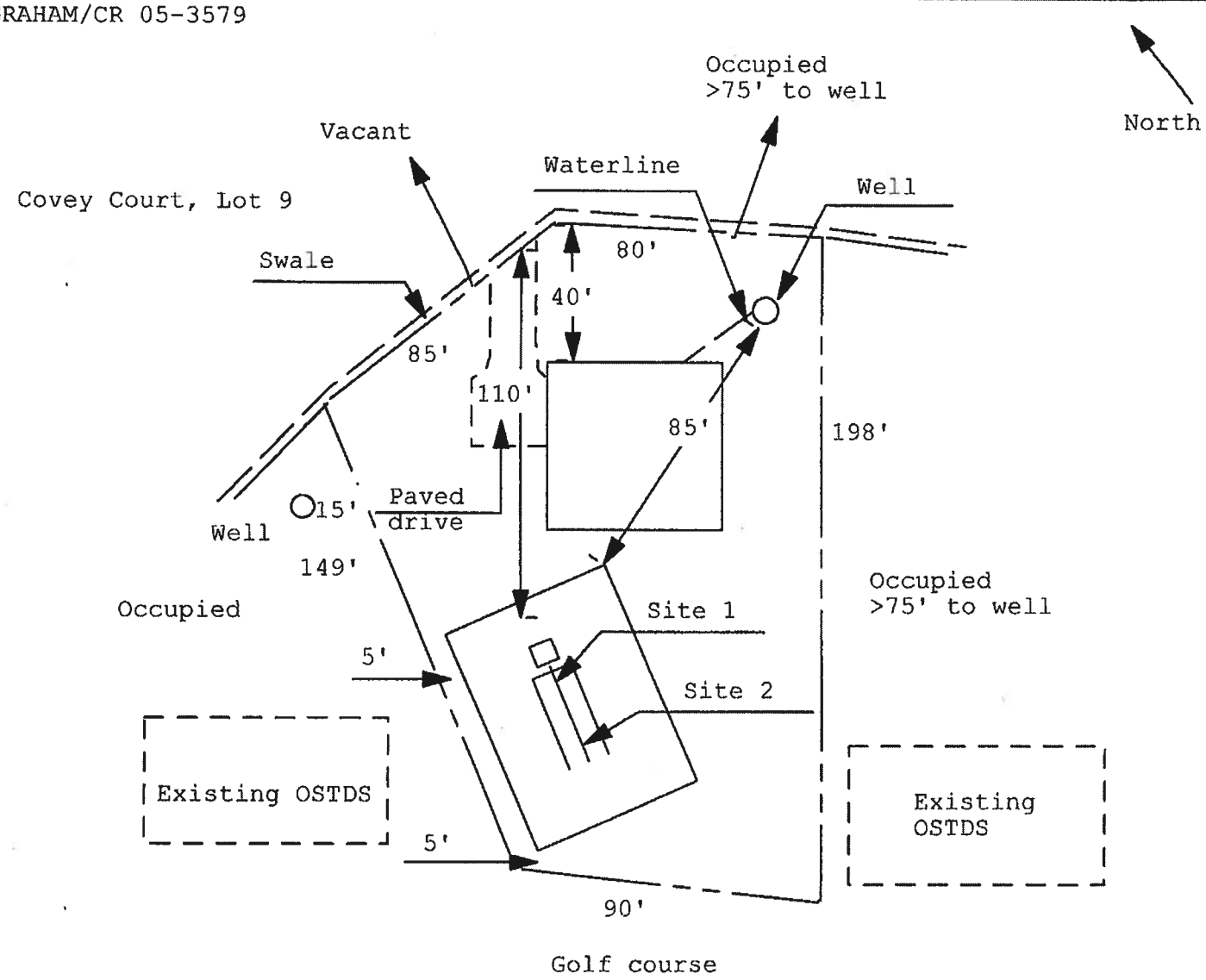
EnergyGauge® (Version: FLRCSB v4.0)

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: _____

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GRAHAM/CR 05-3579



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 6/14/06

Plan Approved _____ **Not Approved** _____ **Date** _____

By _____ _____ **CPHU**

Notes: _____

RIGHT-J LOAD AND EQUIPMENT SUMMARY
Entire House

Touchstone Heating and Air, Inc.

P.O. Box 327, Lake Butler, FL 32054 Phone: 386-496-3467 Fax: 386-496-3147

Job: Fran & Billy Graham
06/13/06

Project Information

For: Concept Construction
2109 W. Hwy. 90 Suite 170-144, Lake City, Fl 32055
Phone: 386-755-8887 Fax: 386-755-1919

Notes:

Design Information

Weather: Gainesville, FL , US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Building heat loss	42587	Btuh
Ventilation air	0	cfm
Ventilation air loss	0	Btuh
Design heat load	42587	Btuh

Sensible Cooling Equipment Load Sizing

Structure	30303	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	0.97	
Total sens. equip. load	29394	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	***2171***	***2171***
Volume (ft³)	***18454***	***18454***
Air changes/hour	***0.10***	***0.50***
Equiv. AVF (cfm)	31	154

Latent Cooling Equipment Load Sizing

Internal gains	230	Btuh
Ventilation	0	Btuh
Infiltration	5391	Btuh
Total latent equip. load	5621	Btuh
Total equipment load	35015	Btuh
Req. total capacity at 0.70% SHR	3.5	ton

Heating Equipment Summary

Make Trane
Trade
2TWB0042A1000A

Efficiency	9.1 HSPF	
Heating input		
Heating output	44500	Btuh @ 47°F
Heating temp rise	26	°F
Actual heating fan	1575	cfm
Heating air flow factor	0.037	cfm/Btuh

Space thermostat

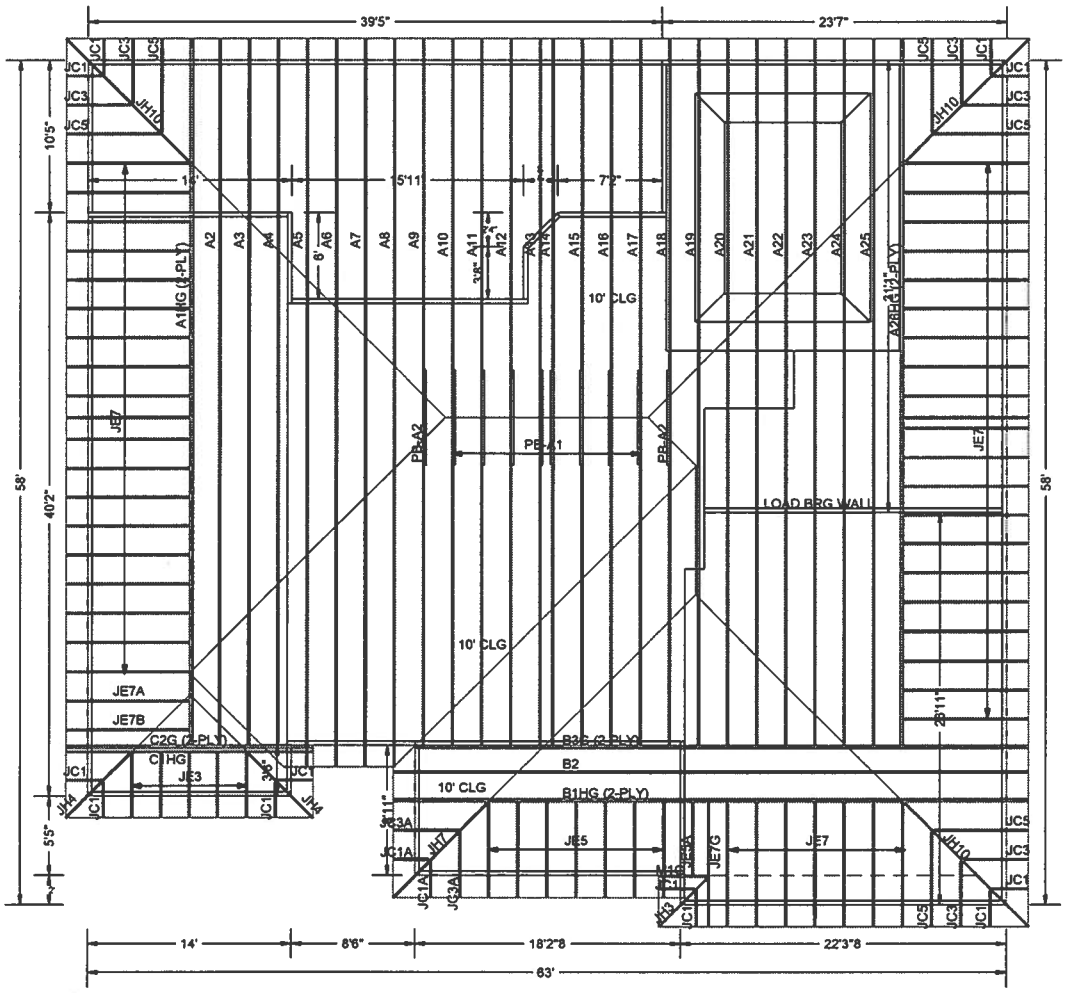
Cooling Equipment Summary

Make Trane
Trade
2TWB0042A1000A
TWG042A140B

Efficiency	13.0 SEER	
Sensible cooling	31500	Btuh
Latent cooling	13500	Btuh
Total cooling	45000	Btuh
Actual cooling fan	1575	cfm
Cooling air flow factor	0.052	cfm/Btuh
Load sensible heat ratio	84	%

Bold/Italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH:	6/12
CLG PITCH:	N/A
OVERHANG:	18" PLUMB CUT
LOADING:	40 PSF T.L./SHINGLE
WIND LOAD:	110 MPH/ENCLOSED
EXT WALLS:	2x4 FRAMING
DATE:	5-30-06

NOTES:

HEEL HEIGHT OF 1' 4 3/16" FOR ROOF PLANES TO SOLVE CORRECTLY

Roof Plane Sheathing Area = 4262 sq. ft
Gable Sheathing Area = 0 sq. ft
Total Sheathing Area = 4262 sq. ft
Fascia Material = 268 linear ft
Valley Flashing Material = 48 linear ft
Ridge Cap Material = 24 linear ft
Hip Ridge Material = 239 linear ft

Job Name: Graham Residence
Customer: Concept Construction of N
Designer: Chris McCall

JOB NO:
3565

PAGE NO:
1 OF 1

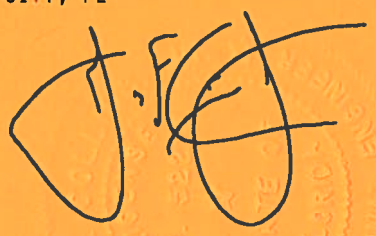
Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SXN215-Z0530151652

Truss Fabricator:	W.B. Howland
Job Identification:	3565-/Graham Residence /Concept Construction of N -- LAKE CITY, FL
Truss Count:	50
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215



Seal Date: 05/30/2006

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-CNBRGBLK-140PB-

#	Ref	Description	Drawing#	Date
1	03607	A1HG (2-PLY)	06150217	05/30/06
2	03608	A2	06150188	05/30/06
3	03609	A3	06150189	05/30/06
4	03610	A4	06150190	05/30/06
5	03611	A5	06150191	05/30/06
6	03612	A6	06150192	05/30/06
7	03613	A7	06150193	05/30/06
8	03614	A8	06150194	05/30/06
9	03615	A9	06150195	05/30/06
10	03616	A10	06150196	05/30/06
11	03617	A11	06150197	05/30/06
12	03618	A12	06150198	05/30/06
13	03619	A13	06150199	05/30/06
14	03620	A14	06150200	05/30/06
15	03621	A15	06150201	05/30/06
16	03622	A16	06150202	05/30/06
17	03623	A17	06150203	05/30/06
18	03624	A18	06150179	05/30/06
19	03625	A19	06150204	05/30/06
20	03626	A20	06150205	05/30/06
21	03627	A21	06150206	05/30/06
22	03628	A22	06150207	05/30/06
23	03629	A23	06150208	05/30/06
24	03630	A24	06150209	05/30/06
25	03631	A25	06150210	05/30/06
26	03632	A26HG (2-PLY)	06150219	05/30/06
27	03633	B1HG (2-PLY)	06150227	05/30/06
28	03634	B2	06150211	05/30/06
29	03635	B3G (2-PLY)	06150220	05/30/06
30	03636	C1HG	06150224	05/30/06
31	03637	C2G (2-PLY)	06150228	05/30/06
32	03638	JC1	06150212	05/30/06
33	03639	JC1A	06150213	05/30/06
34	03640	JC3	06150180	05/30/06
35	03641	JC3A	06150181	05/30/06
36	03642	JC5	06150182	05/30/06
37	03643	JE3	06150183	05/30/06
38	03644	JE5	06150184	05/30/06
39	03645	JE5A	06150185	05/30/06
40	03646	JE7	06150186	05/30/06
41	03647	JE7A	06150214	05/30/06
42	03648	JE7B	06150187	05/30/06
43	03649	JE7G	06150226	05/30/06
44	03650	JH3	06150221	05/30/06
45	03651	JH4	06150223	05/30/06
46	03652	JH7	06150222	05/30/06
47	03653	JH10	06150218	05/30/06
48	03654	M1G	06150225	05/30/06
49	03655	PB-A1	06150215	05/30/06
50	03656	PB-A2	06150216	05/30/06

Top chord 2x6 SP #2 N :T1, T6 2x4 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

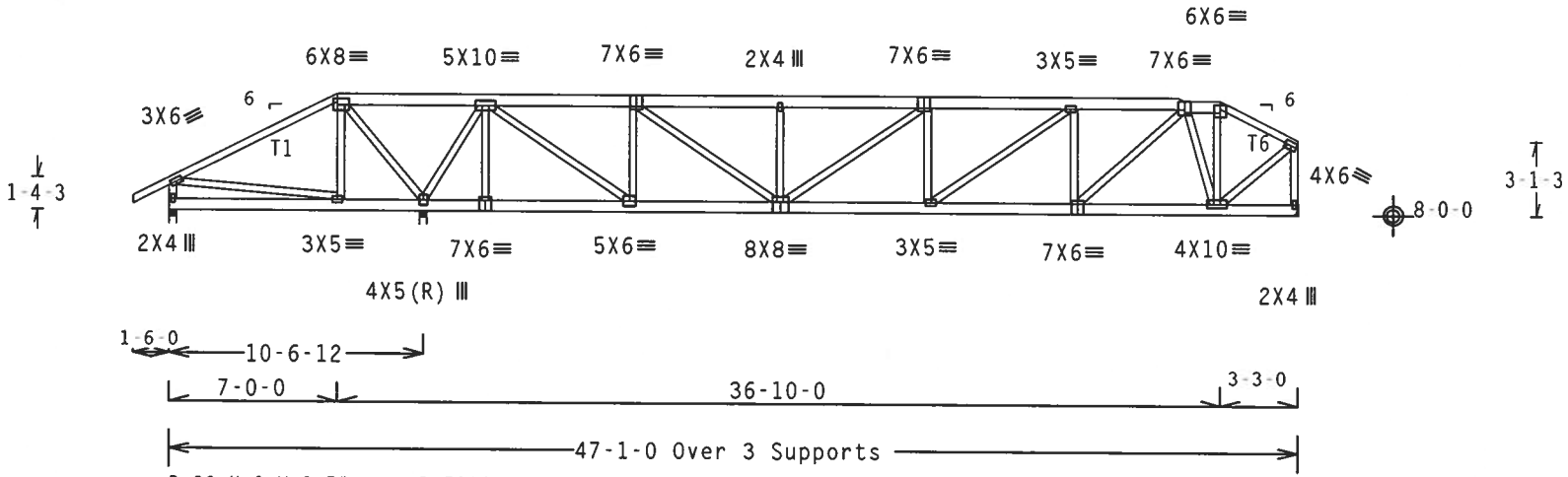
Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 4-10-3.



R=39 U=0 W=3.5"
BEARING HAS NOT BEEN
DESIGNED TO RESIST UPLIFT

R=5192 U=513 W=3.5"

R=2958 U=231 H=Simpson HGUS26-2
w/ (6) 16d, 0.162"x2.5" nails in Truss
w/ (20) 16d, 0.162"x2.5" nails in Girder
Girder is (2)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 1

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30, 06

TC LL	20.0 PSF	REF R215-- 3607
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150217
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123608
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

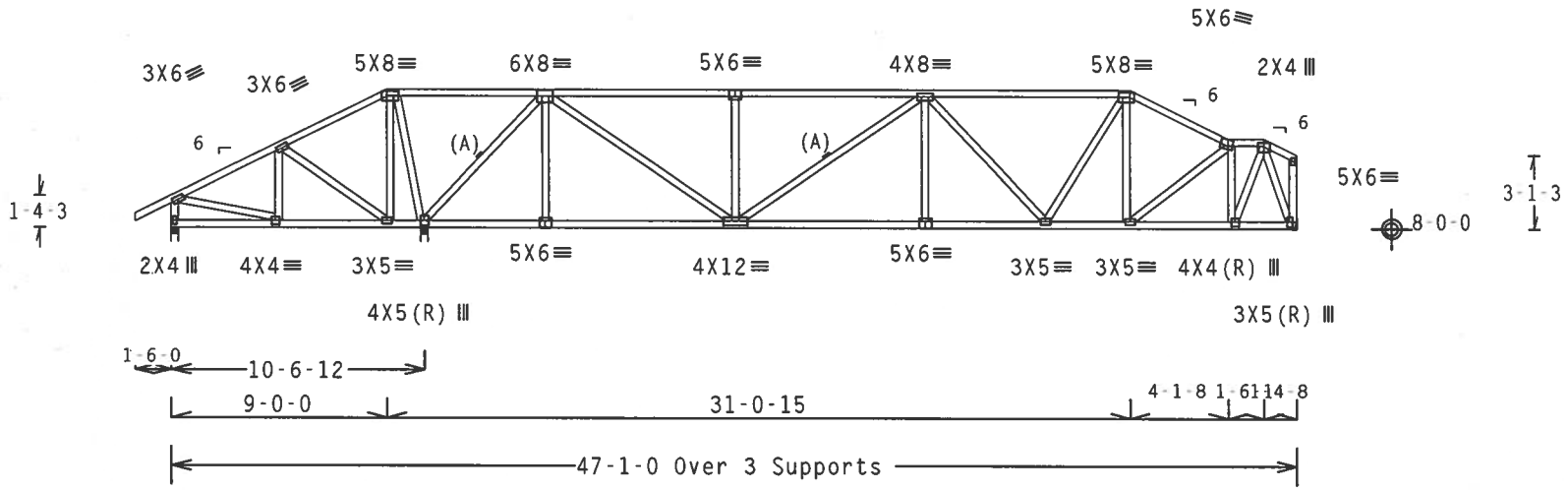
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 5-10-3.



R=75 U=0 W=3.5"
BEARING HAS NOT BEEN
DESIGNED TO RESIST UPLIFT

R=2631 U=308 W=3.5"

R=1347 U=180 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.12 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES T. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF	R215-- 3608
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150188
BC LL	0.0 PSF		HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123615
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

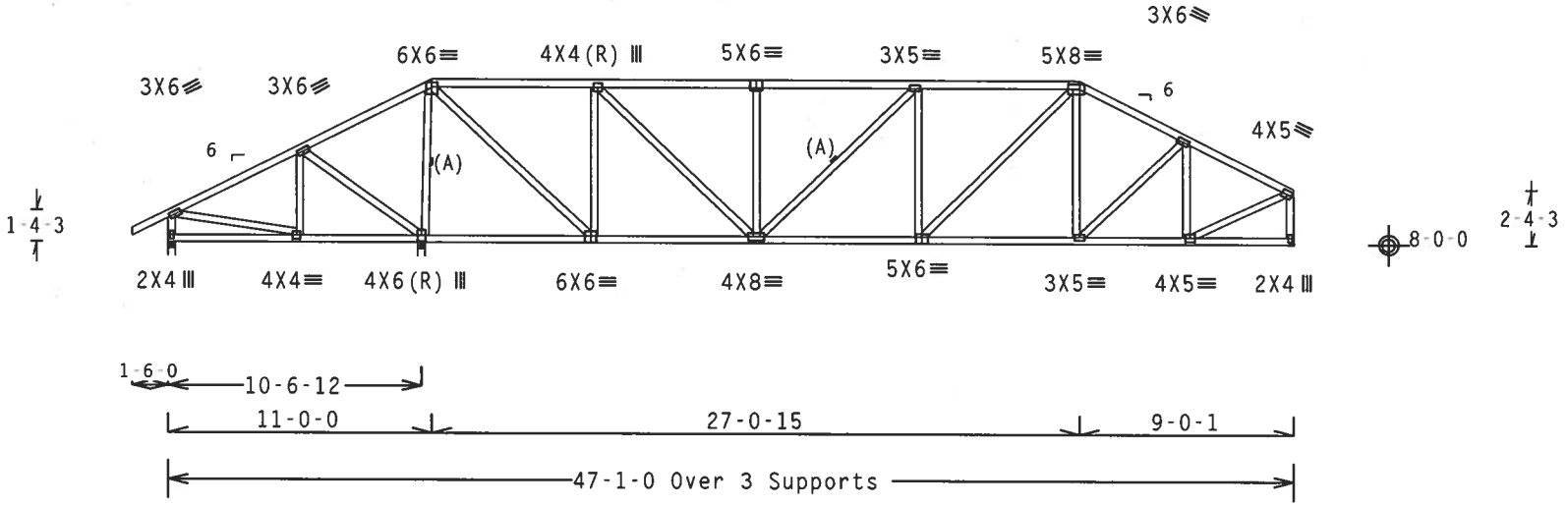
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 6-10-3.



R=89 U=0 W=3.5" R=2631 U=278 W=3.5"
BEARING HAS NOT BEEN
DESIGNED TO RESIST UPLIFT

R=1347 U=180 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

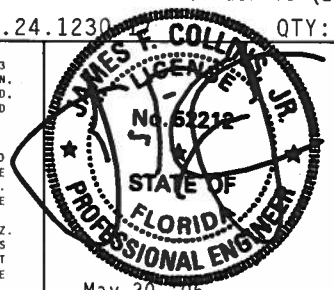
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



May 30 06

TC LL	20.0 PSF	REF R215-- 3609
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150189
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123621
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

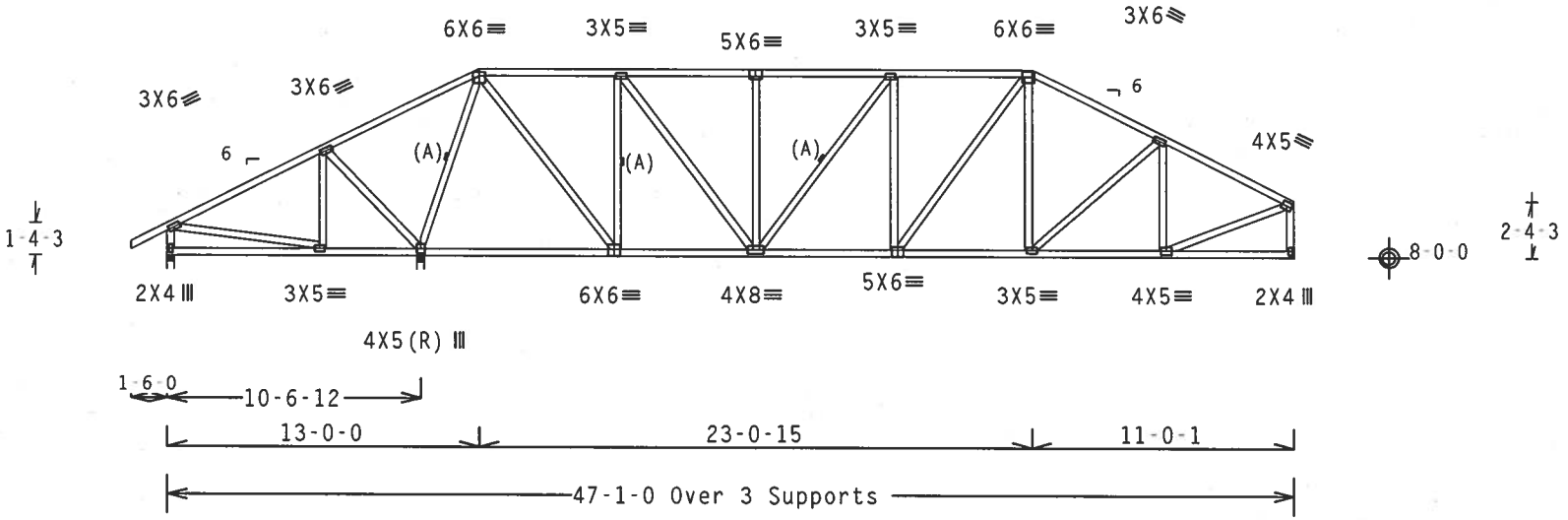
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 7-10-3.



R=1377 U=180 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF	R215-- 3610
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150190
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123628
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

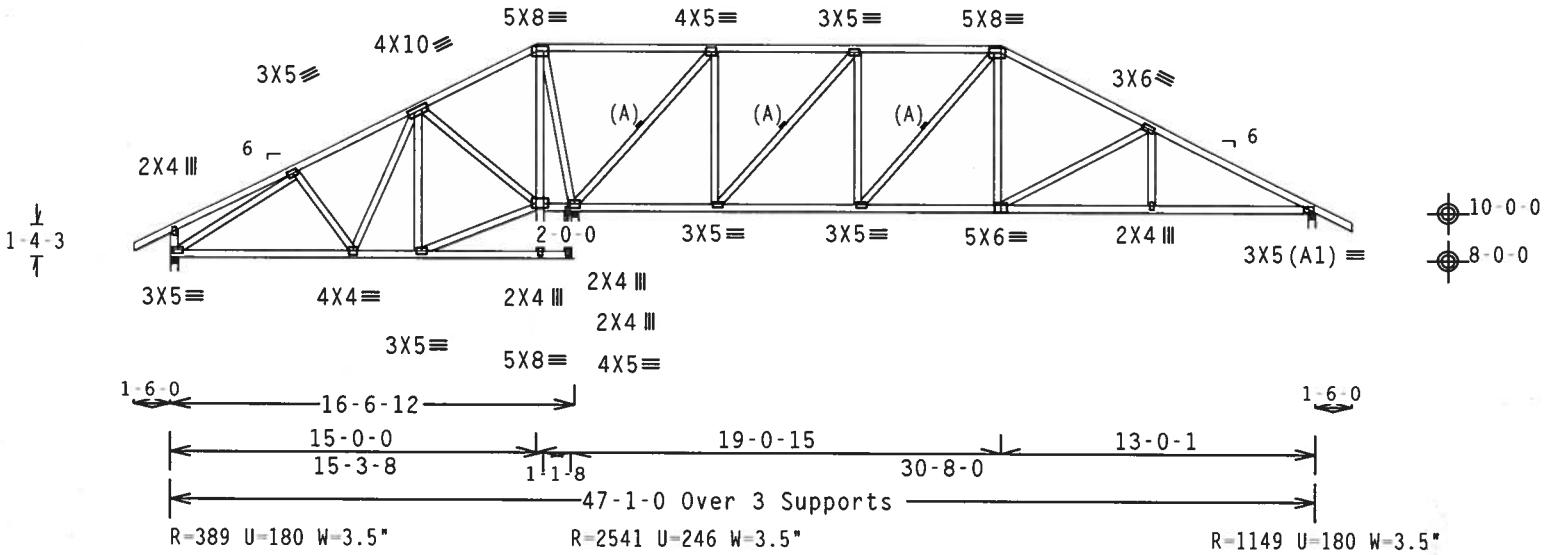
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 8-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.13

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W. K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30, 2006

TC LL	20.0 PSF	REF R215-- 3611
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150191
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123778
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

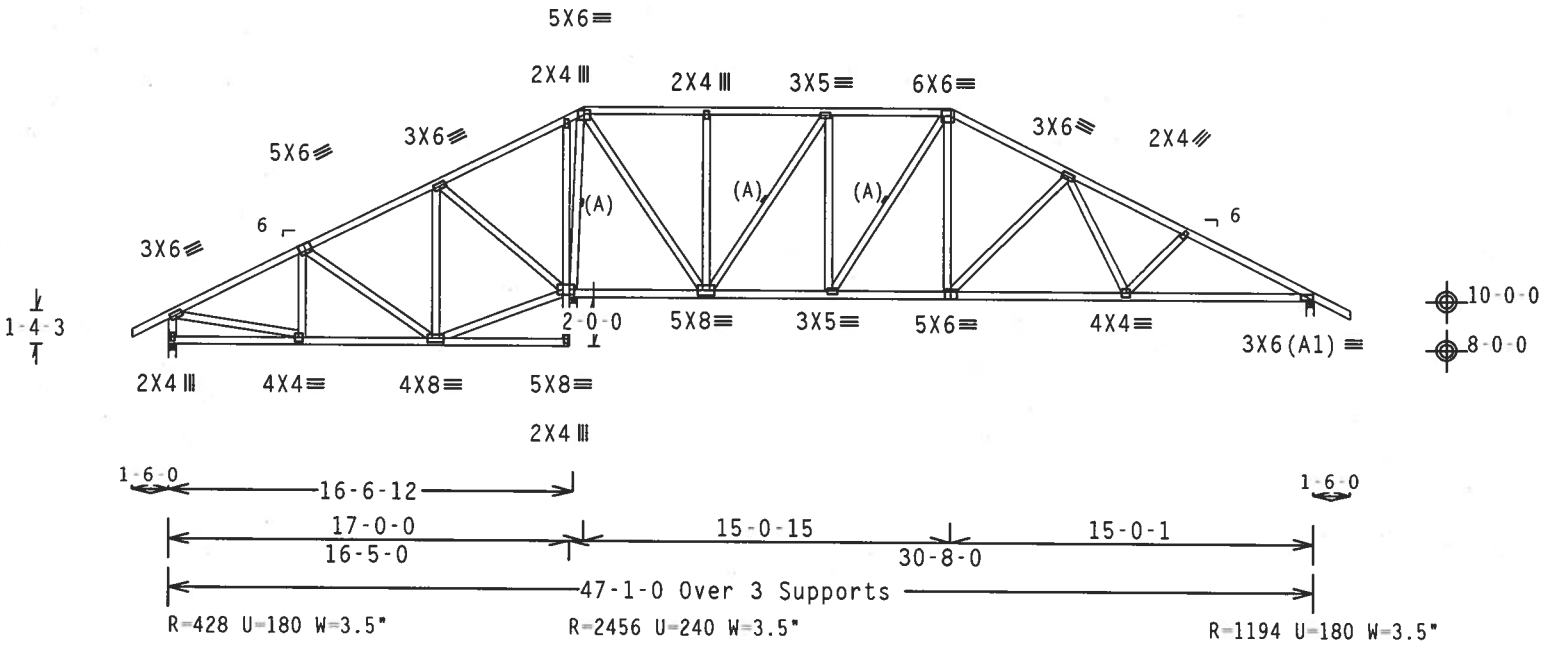
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 9-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF R215-- 3612
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150192
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123782
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

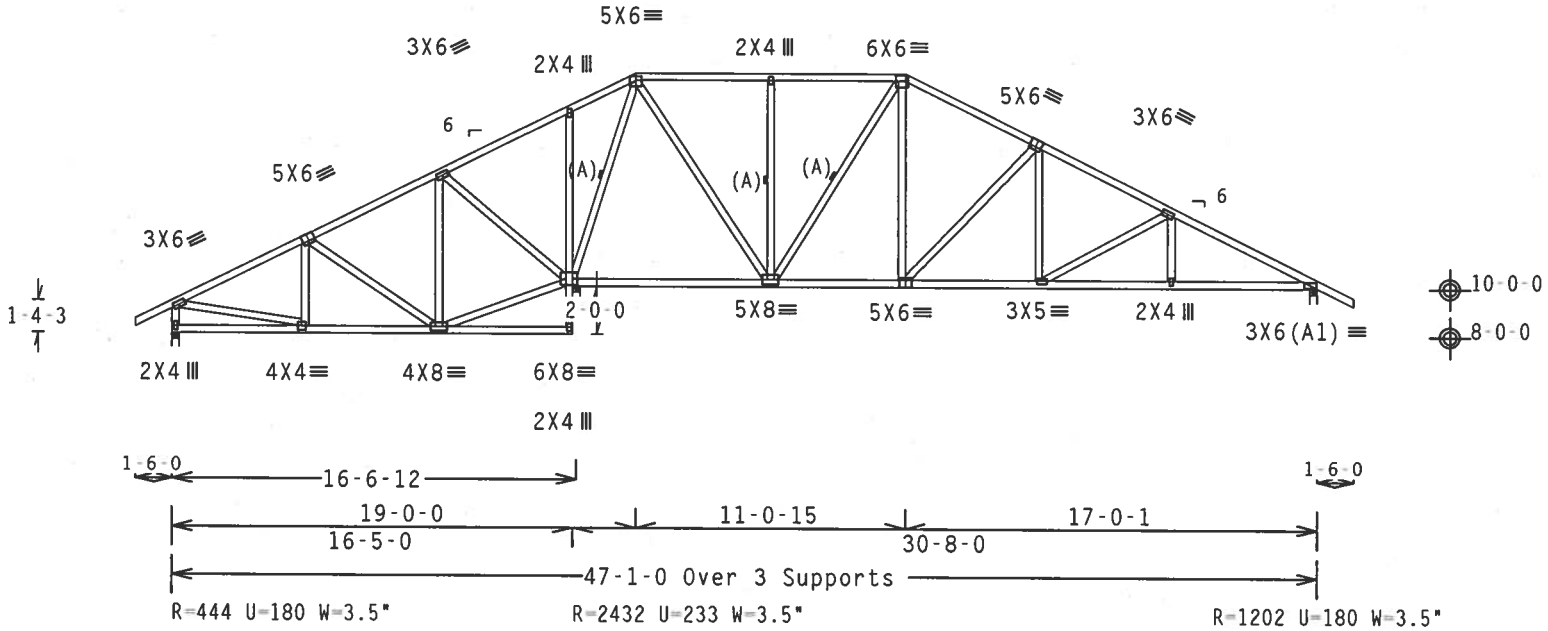
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 10-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

QTY:1 FL/-/5/-/-/R/-

Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF R215-- 3613
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150193
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123786
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

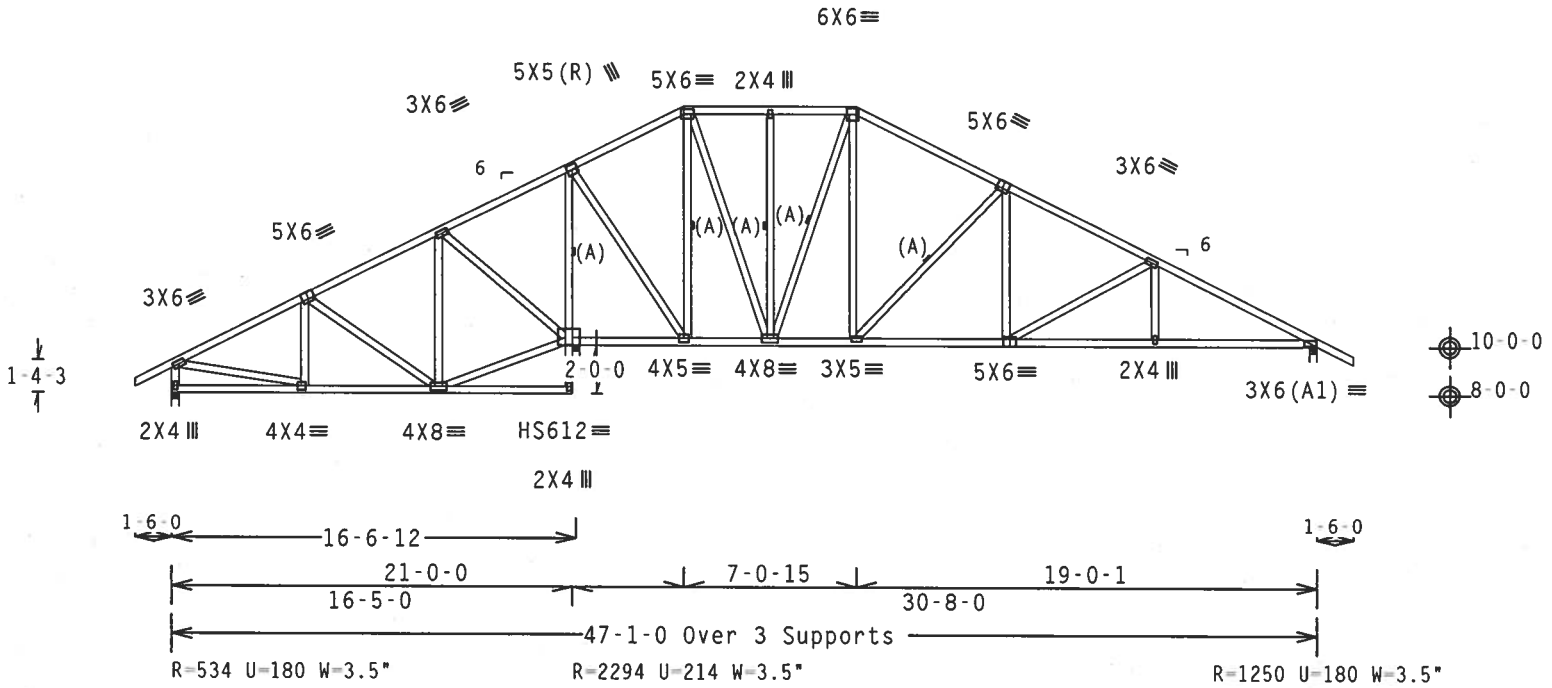
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 11-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

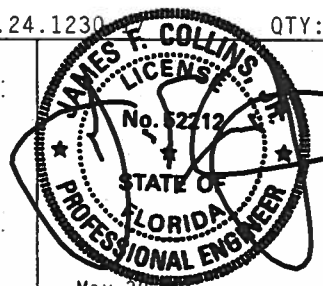
PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



May 30 06

TC LL	20.0 PSF	REF	R215-- 3614
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150194
BC LL	0.0 PSF		HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123790
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B2 2x4 SP SS:
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

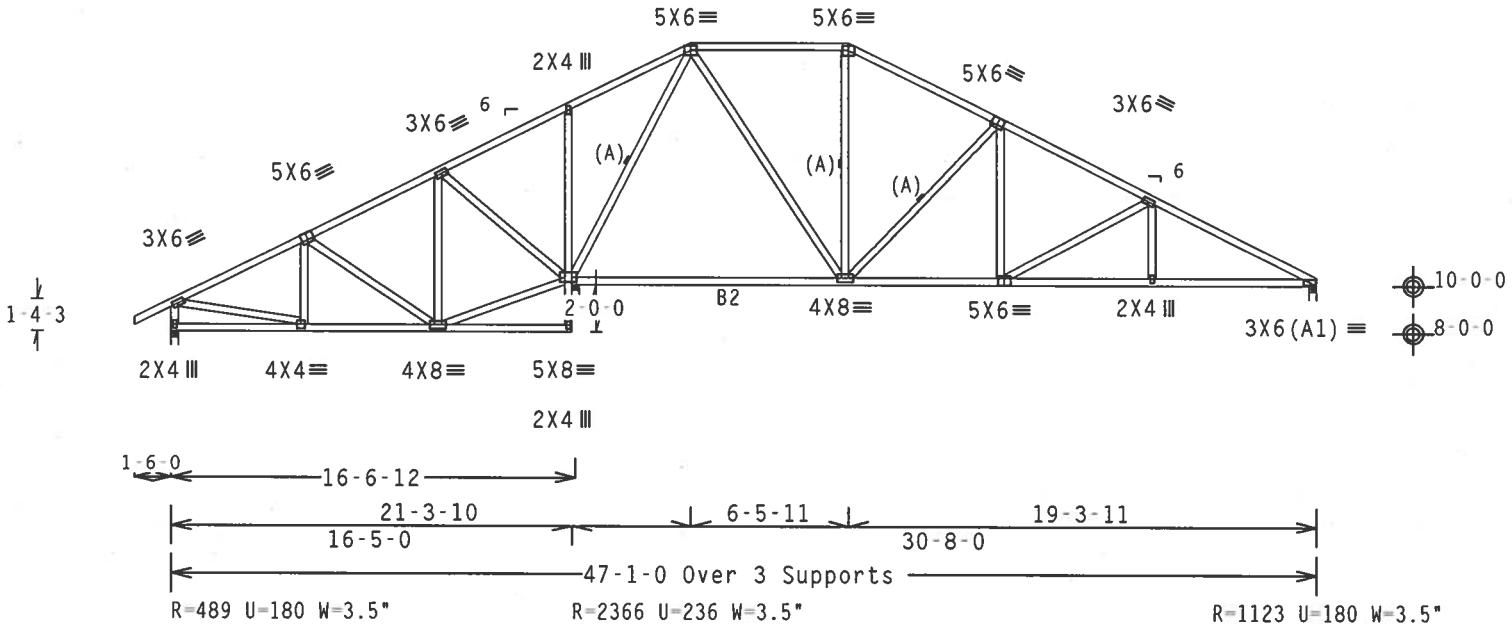
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 3

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF R215-- 3615
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150195
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123794
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B2 2x4 SP SS:
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

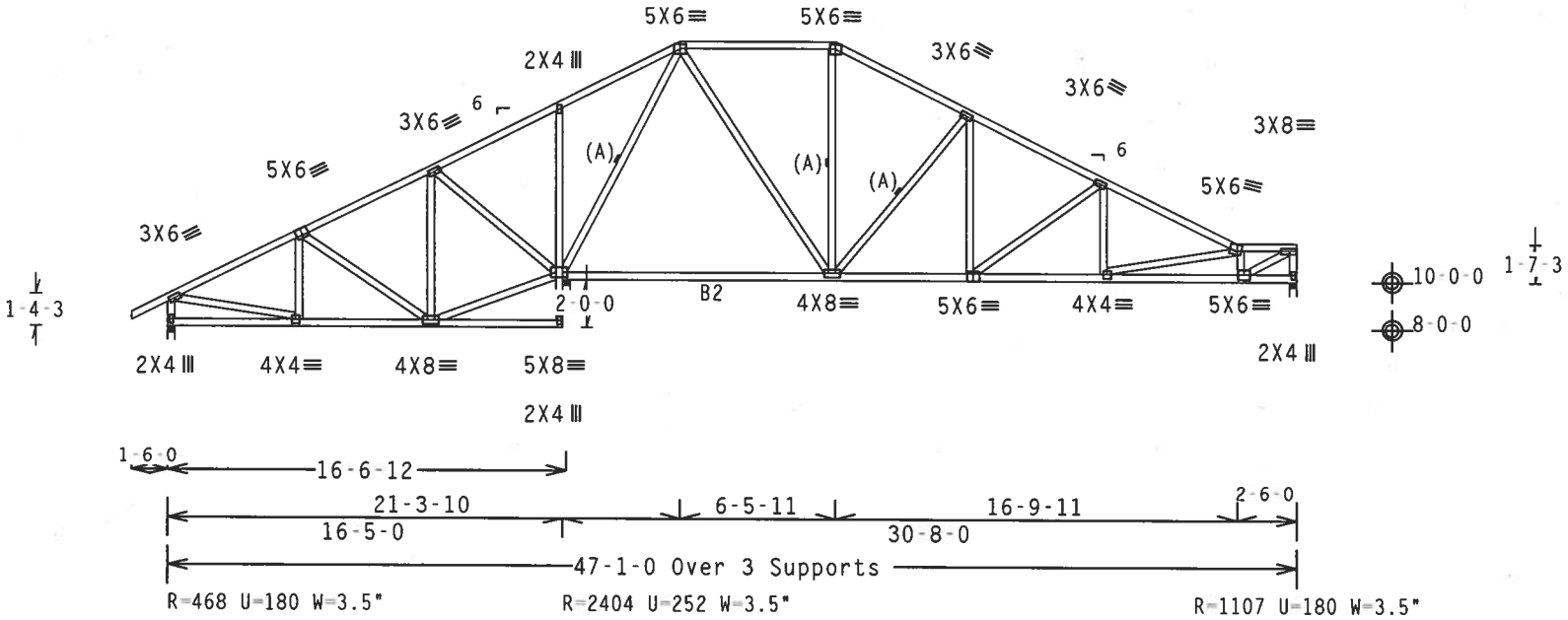
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF R215-- 3616
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150196
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123798
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

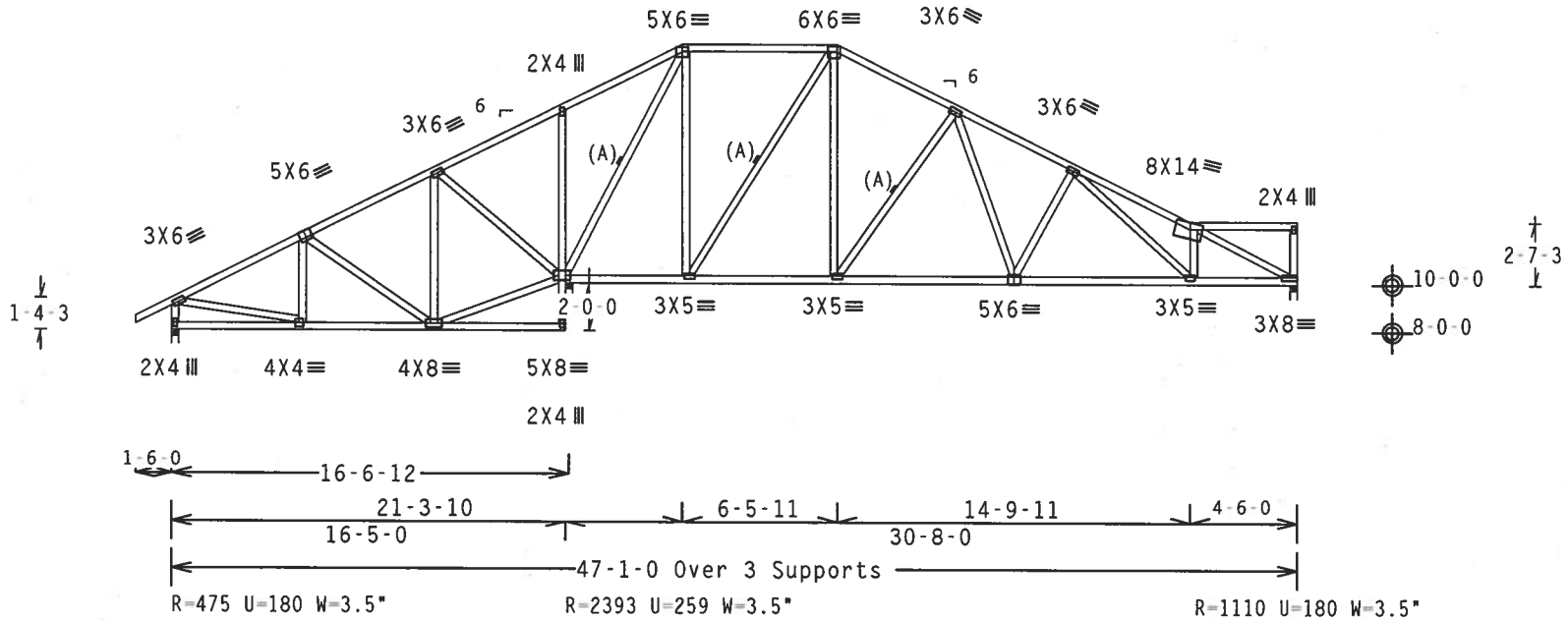
The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 17

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May

TC LL	20.0 PSF	REF	R215-- 3617
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150197
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123804
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

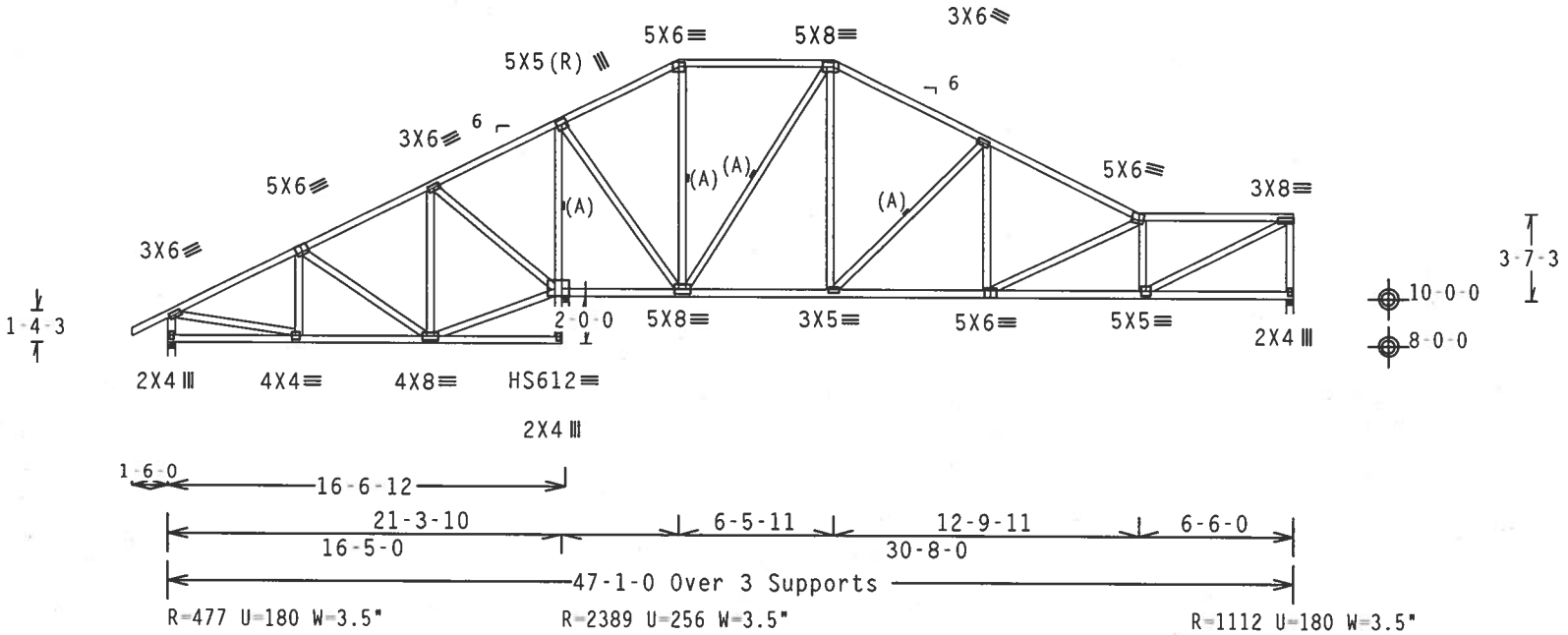
The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES T. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF R215-- 3618
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150198
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123808
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

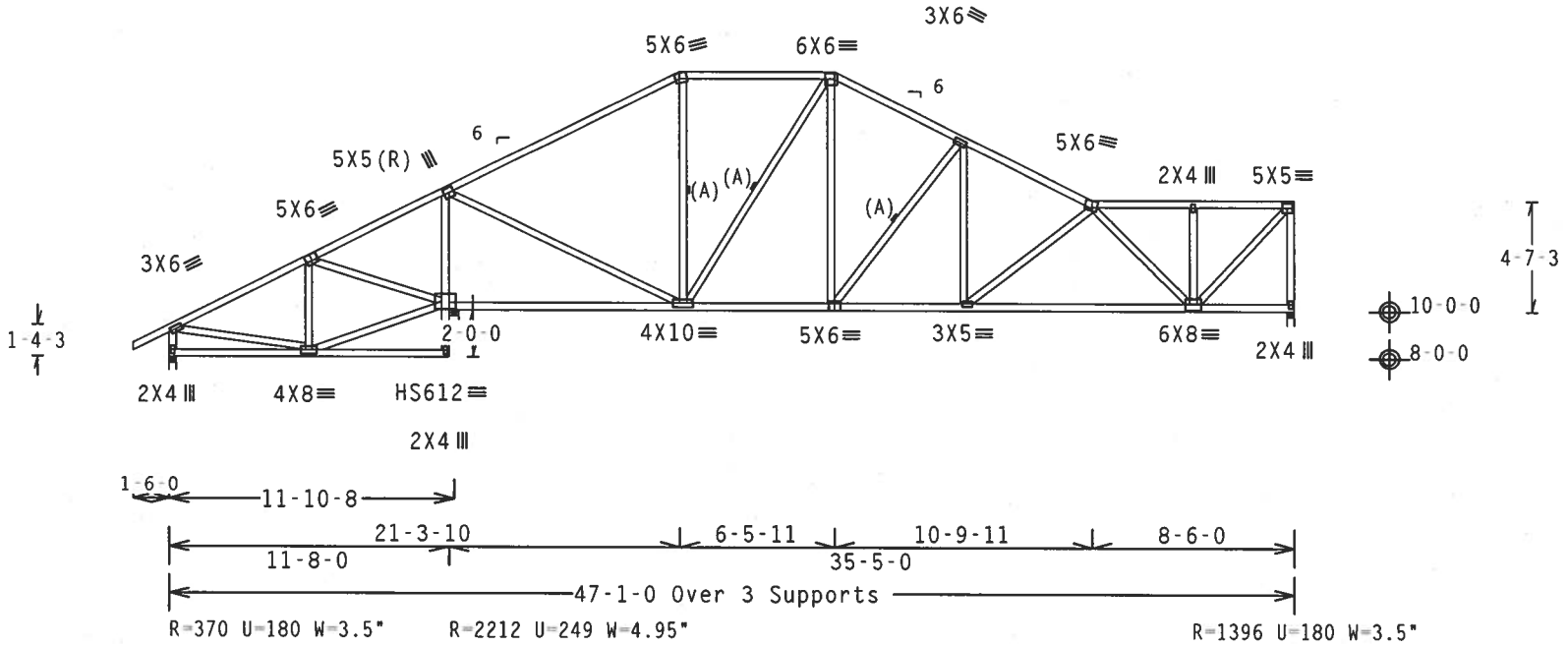
The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF R215-- 3619
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150199
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123834
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N :T5 2x4 SP SS:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

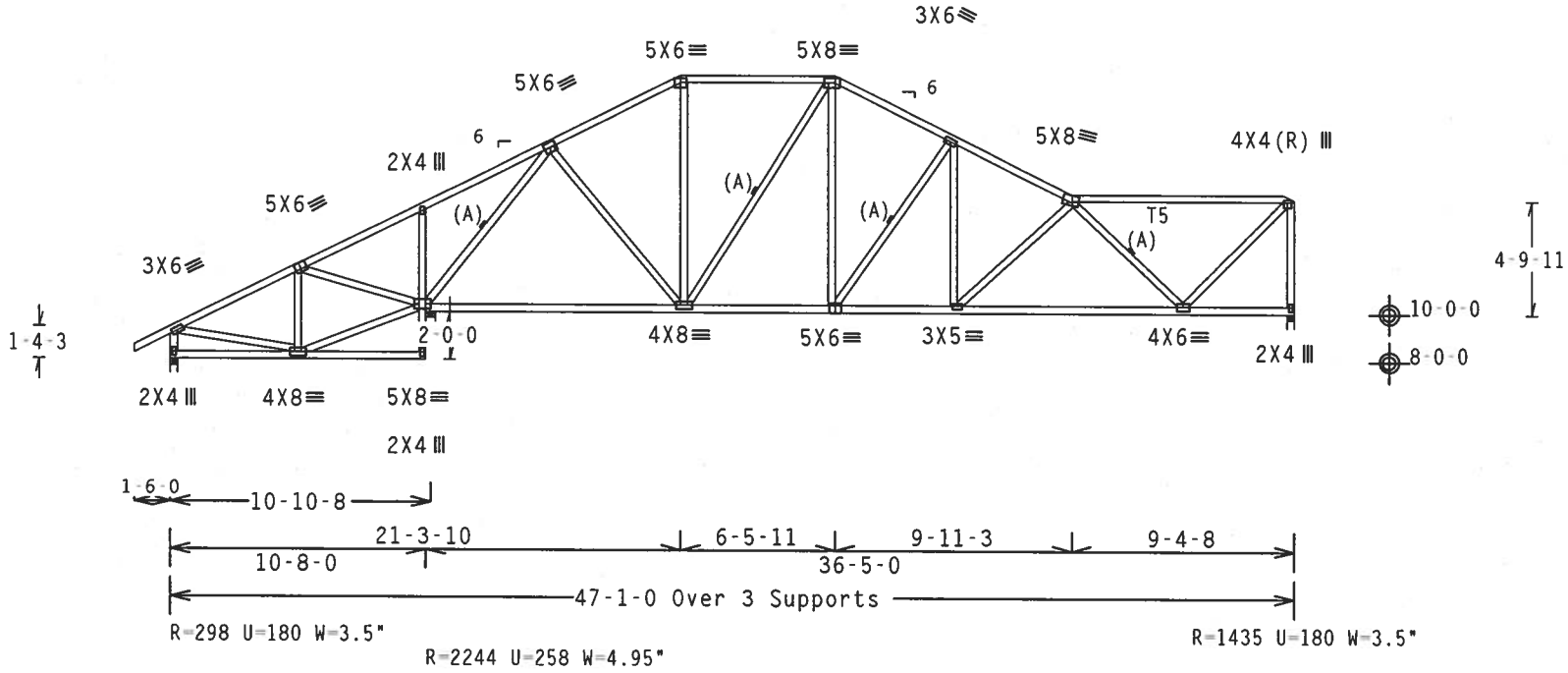
The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES R. COLLINS JR. LICENSE No. 52272 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 '06

TC LL	20.0 PSF	REF	R215-- 3620
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150200
BC LL	0.0 PSF		HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123831
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B2 2x4 SP SS:
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

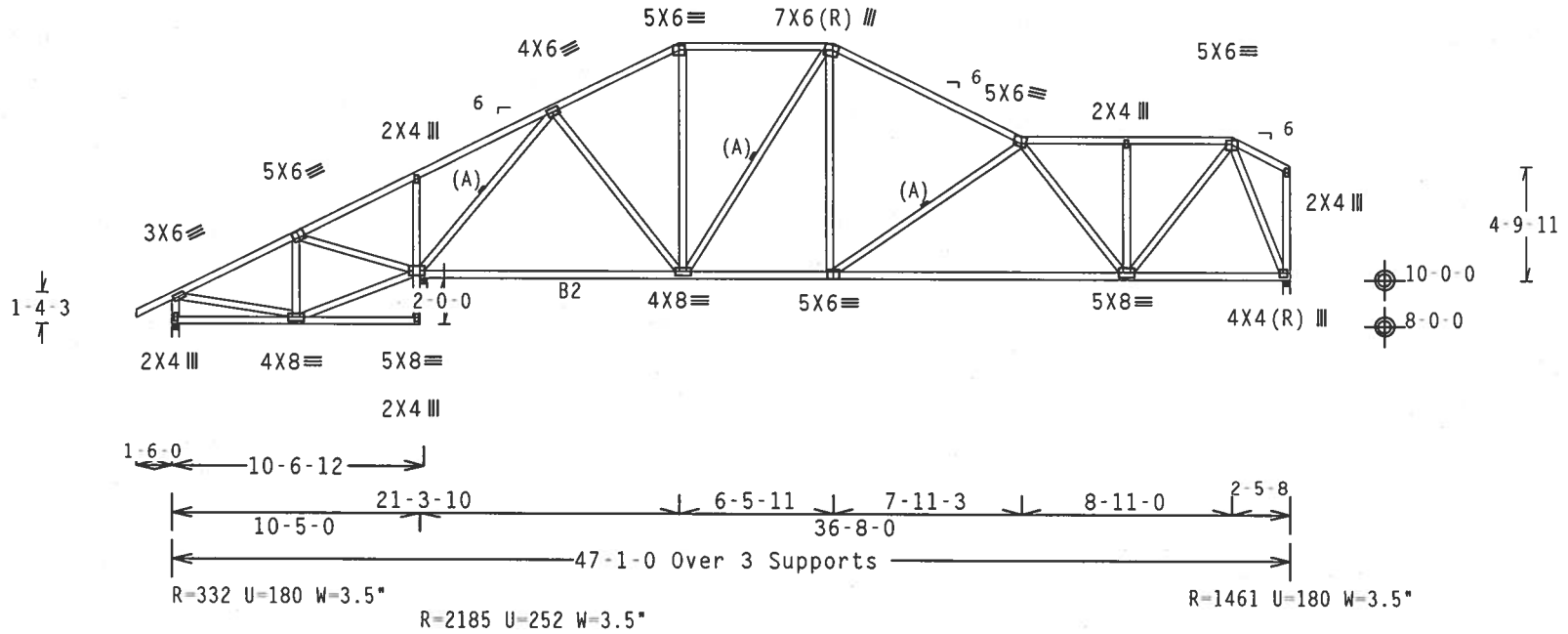
The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF R215-- 3621
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150201
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123828
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

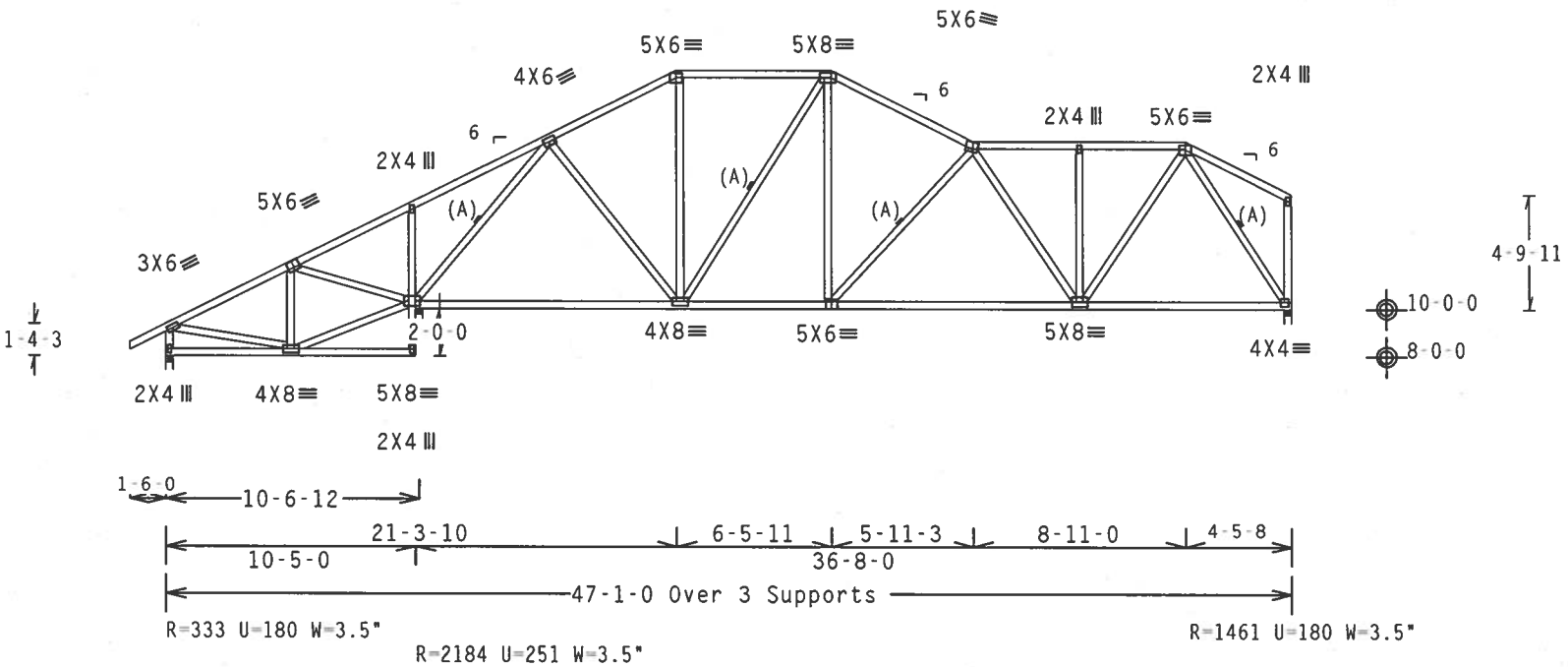
The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 '06

TC LL	20.0 PSF	REF R215-- 3622
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150202
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123825
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N :T5 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

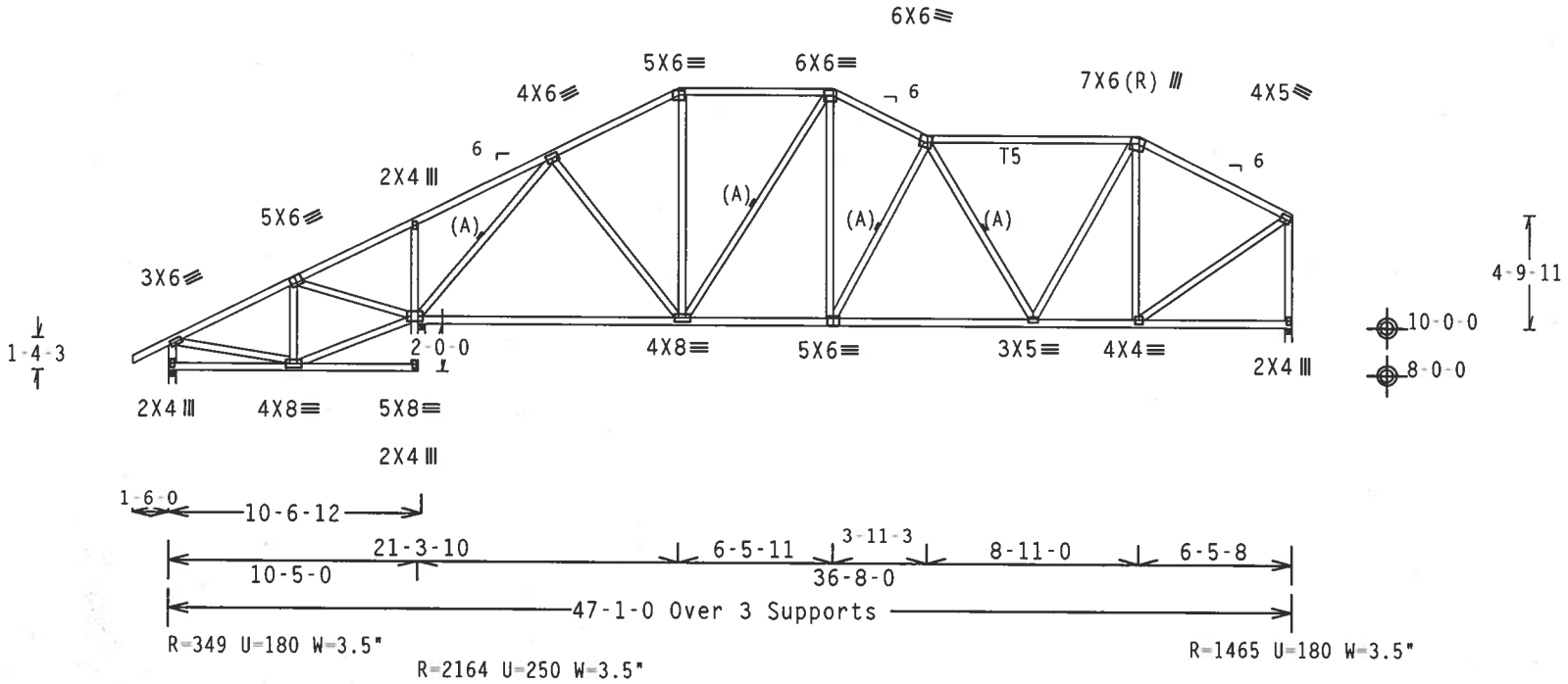
The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May

TC LL	20.0 PSF	REF R215-- 3623
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150203
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123840
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

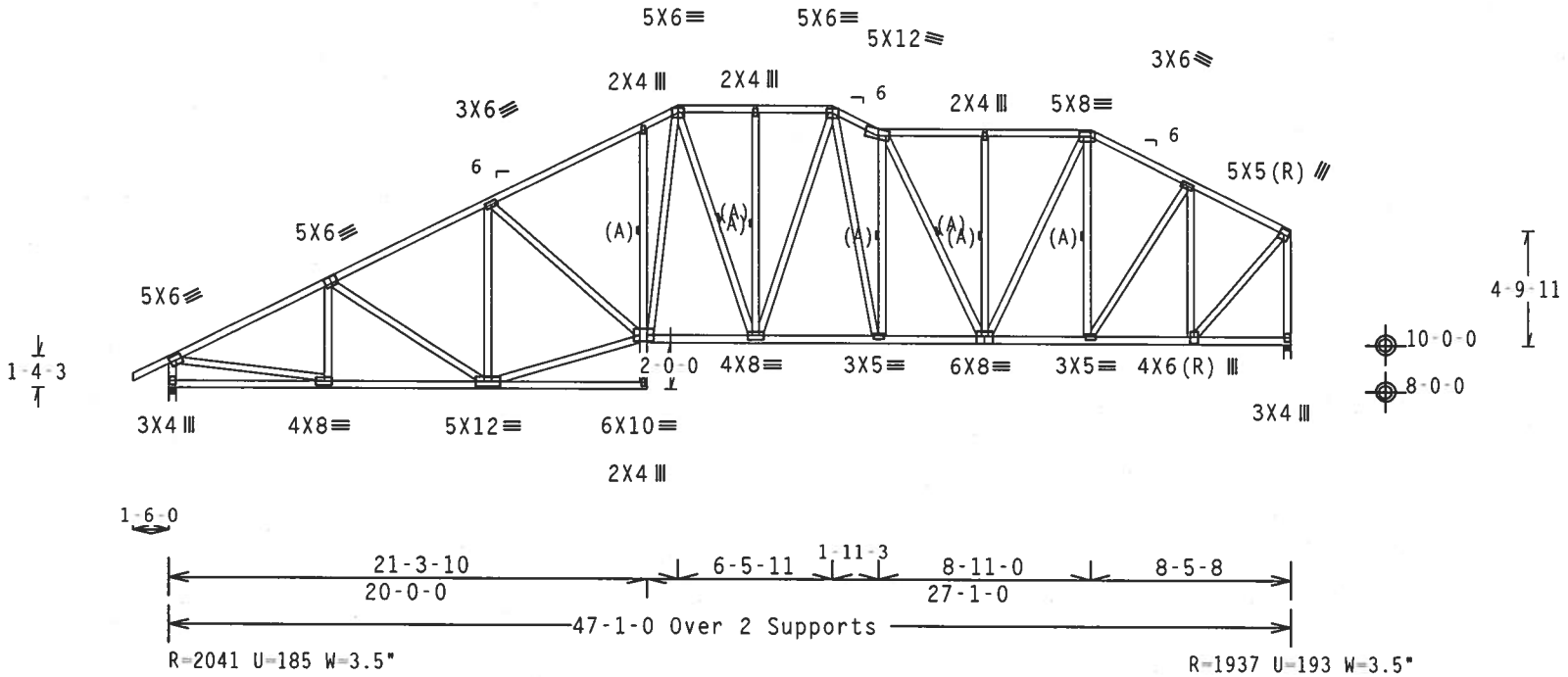
The overall height of this truss excluding overhang is 12-0-0.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230

QTY:1 FL/-/5/-/-/R/-

Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF R215-- 3624
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150179
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123844
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Calculated horizontal deflection is 0.14" due to live load and 0.15" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

See Detail BCFILLER1103 for Bottom Chord Filler details. Latrally brace BC above filler @24" O.C. Including a lateral brace at chord ends.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

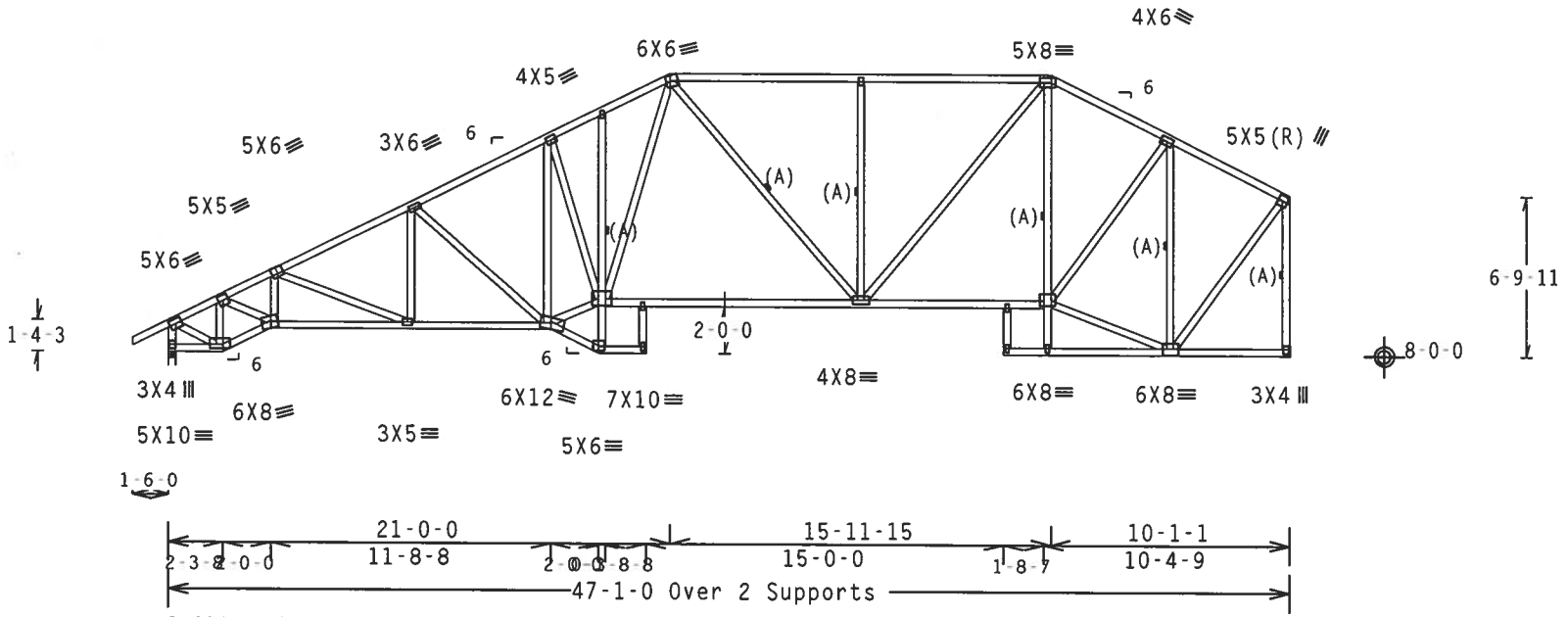
Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 11-10-3.



R=2048 U=184 W=3.5"

R=1939 U=193 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X8 min. So.Pine

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

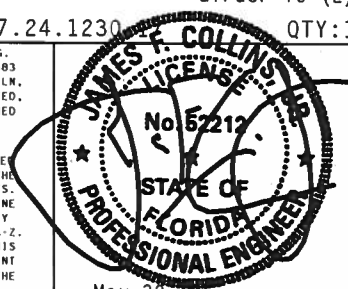
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



May 30 06

TC LL	20.0 PSF	REF	R215-- 3625
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150204
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123677
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N :T4 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 N :B6 2x4 SP #2 Dense:
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

See Detail BCFILLER1103 for Bottom Chord Filler details. Latrally brace BC above filler @24" O.C. Including a lateral brace at chord ends.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

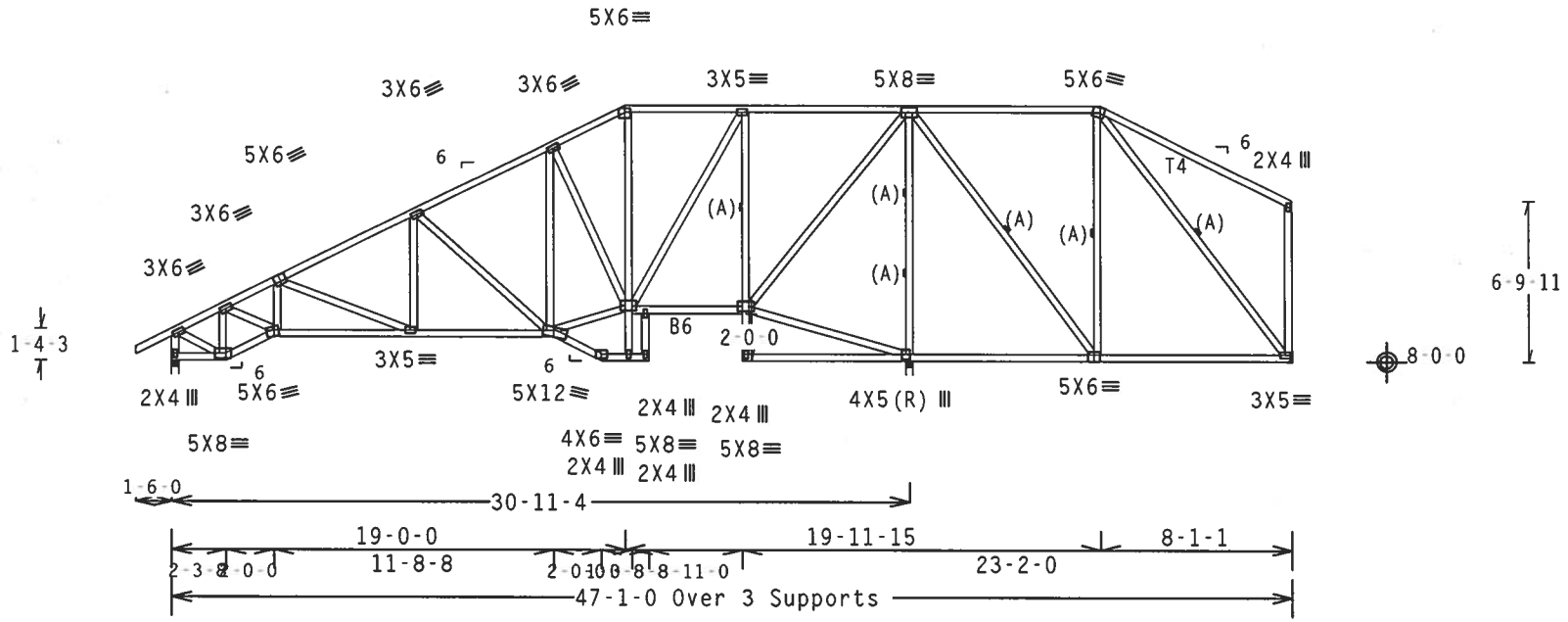
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 10-10-3.



R=1184 U=180 W=3.5"

R=2497 U=274 W=3.5"

R=306 U=180 H=Simpson LUS26
w/ (3) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X8 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

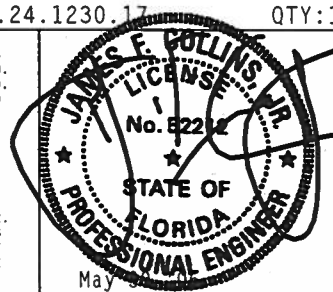
QTY:1 FL/-/5/-/-/R/-

Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



May

TC LL	20.0 PSF	REF	R215-- 3626
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150205
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123738
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B6 2x4 SP #2 Dense:
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

See Detail BCFILLER1103 for Bottom Chord Filler details. Latrally brace BC above filler @24" O.C. Including a lateral brace at chord ends.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

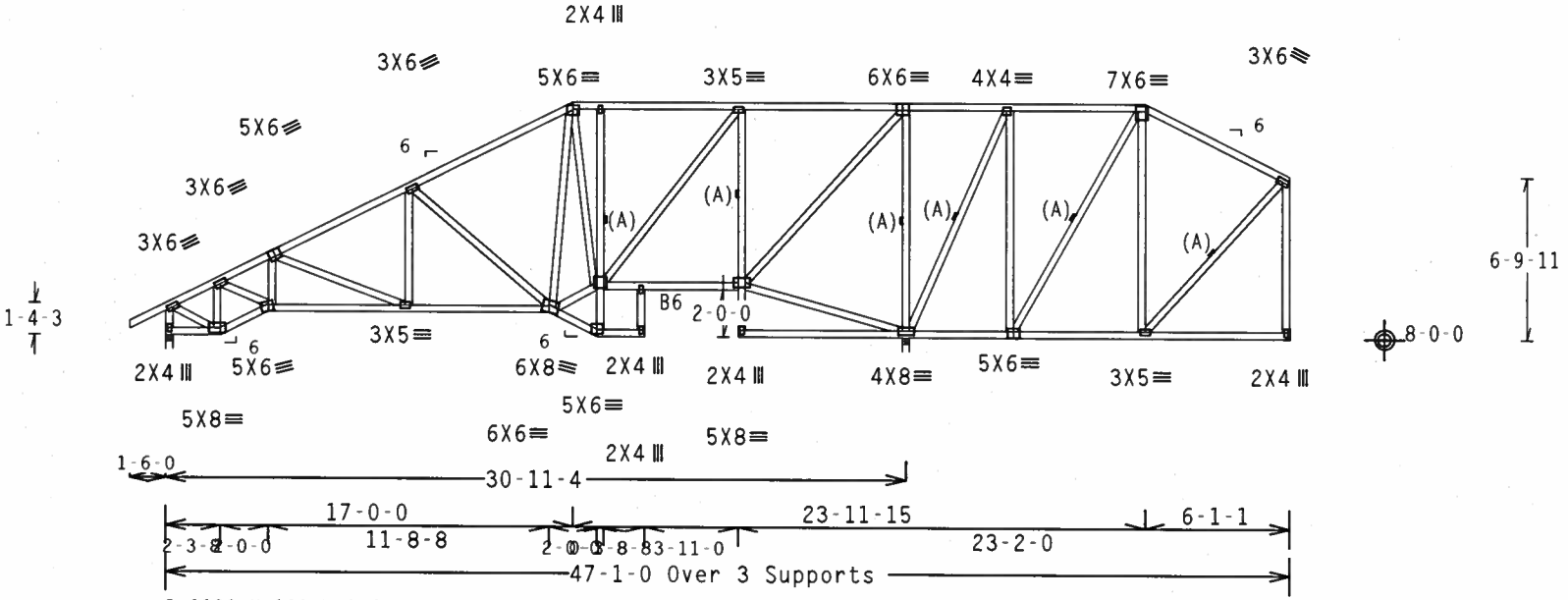
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 9-10-3.



R=1139 U=180 W=3.5"

R=2651 U=313 W=3.5"

R=198 U=180 H=Simpson LUS26
w/ (3) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X8 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 1

PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30, 06

TC LL	20.0 PSF	REF R215-- 3627
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150206
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123730
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

See Detail BCFILLER1103 for Bottom Chord Filler details. Latrally brace BC above filler @24" O.C. Including a lateral brace at chord ends.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

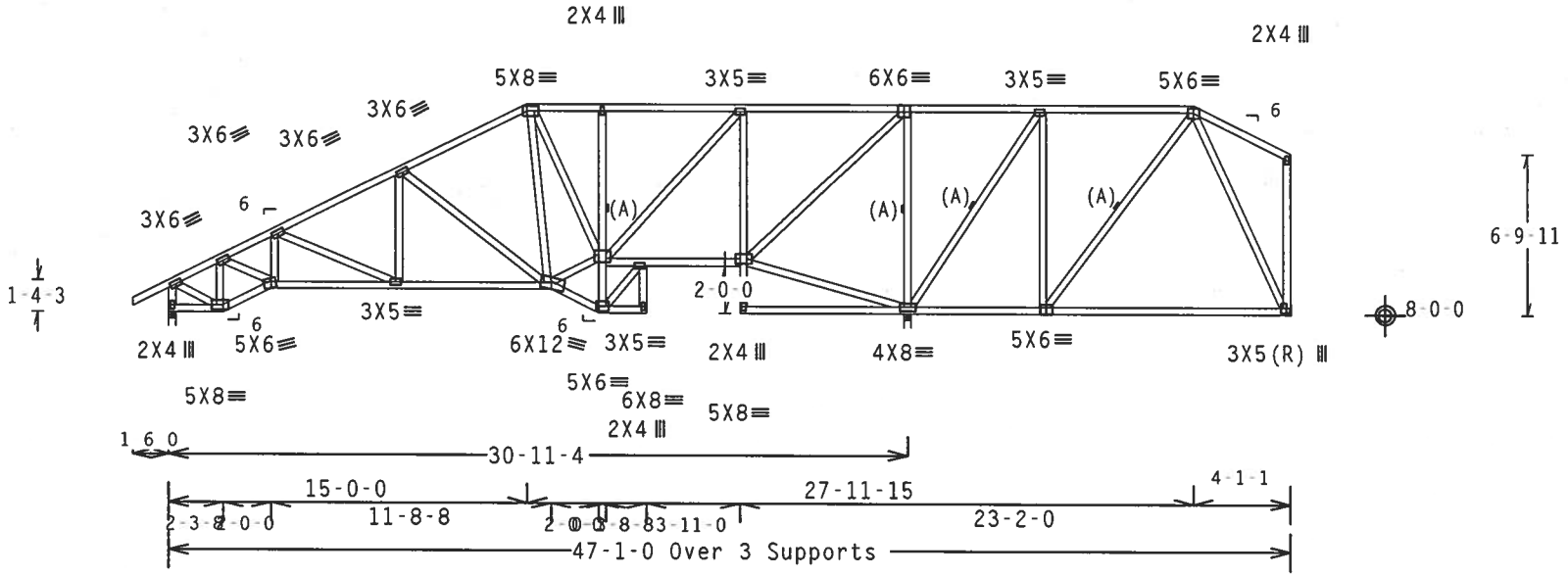
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 8-10-3.



R=1123 U=180 W=3.5"

R=2697 U=310 W=3.5"

R=167 U=180 H=Simpson LUS26
w/ (3) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X8 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 1[illegible]

PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/-

Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30, 2006

TC LL	20.0 PSF	REF R215-- 3628
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150207
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123725
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

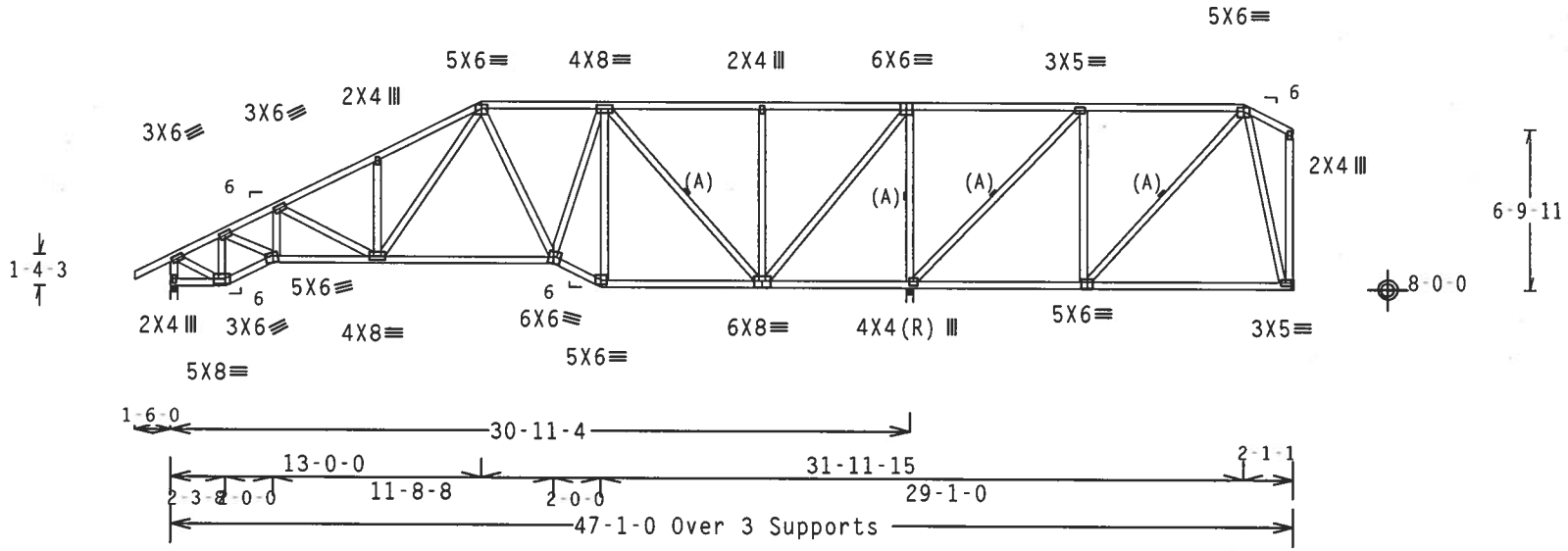
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 7-10-3.



R=1174 U=180 W=3.5"

R=2574 U=295 W=3.5"

R=240 U=180 H=Simpson LUS26
w/ (3) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X8 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 1

PLT TYP. Wave\R QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF	R215-- 3629
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150208
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123720
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

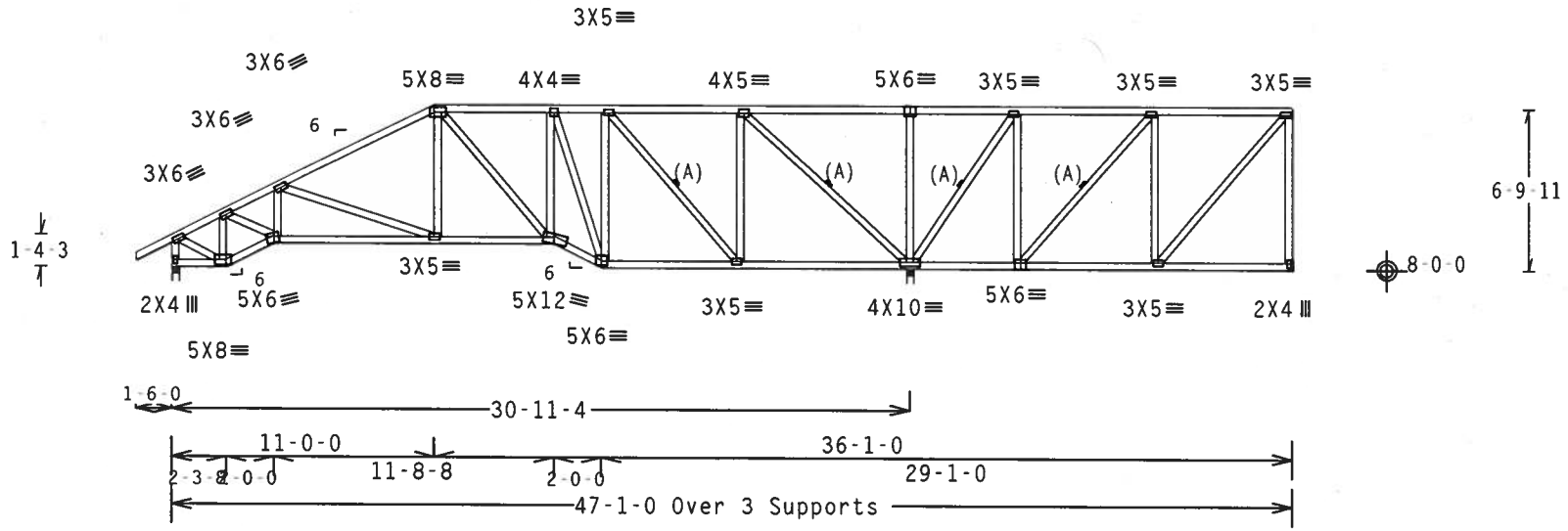
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 6-10-3.



R=237 U=180 H=Simpson LUS26
w/ (3) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X8 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 1[illegible] QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 [illegible]

TC LL	20.0 PSF	REF	R215-- 3630
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150209
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123715
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

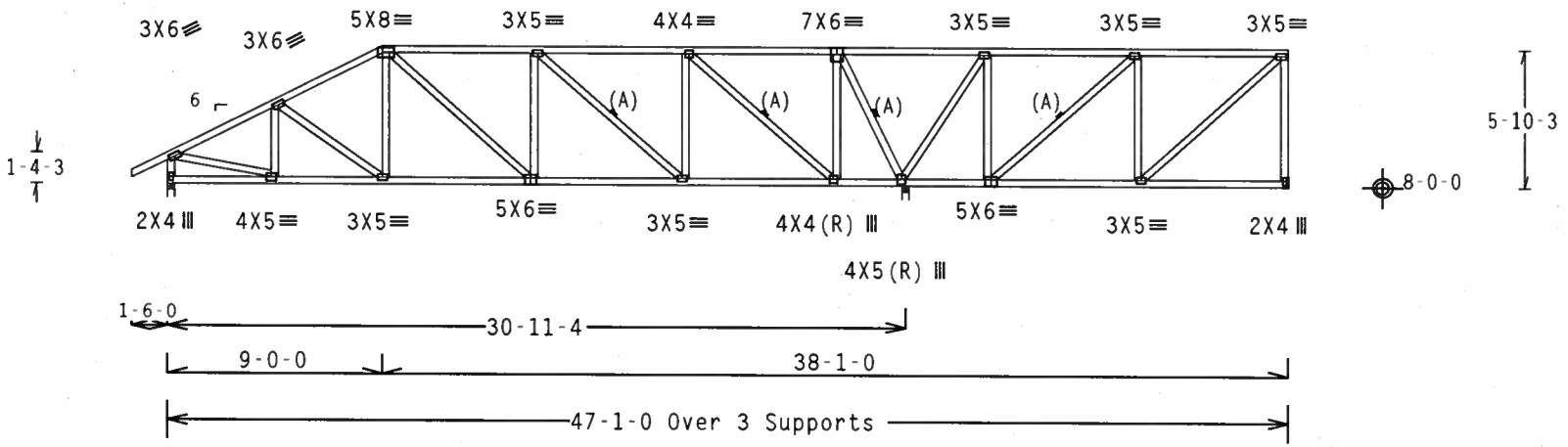
Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 5-10-3.



R=1222 U=180 W=3.5"

R=2386 U=263 W=3.5"

R=369 U=180 H=Simpson LUS26
w/ (3) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X8 min. So.Pine

PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May

TC LL	20.0 PSF	REF R215-- 3631
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150210
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123710
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x6 SP #2 N :T1 2x4 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

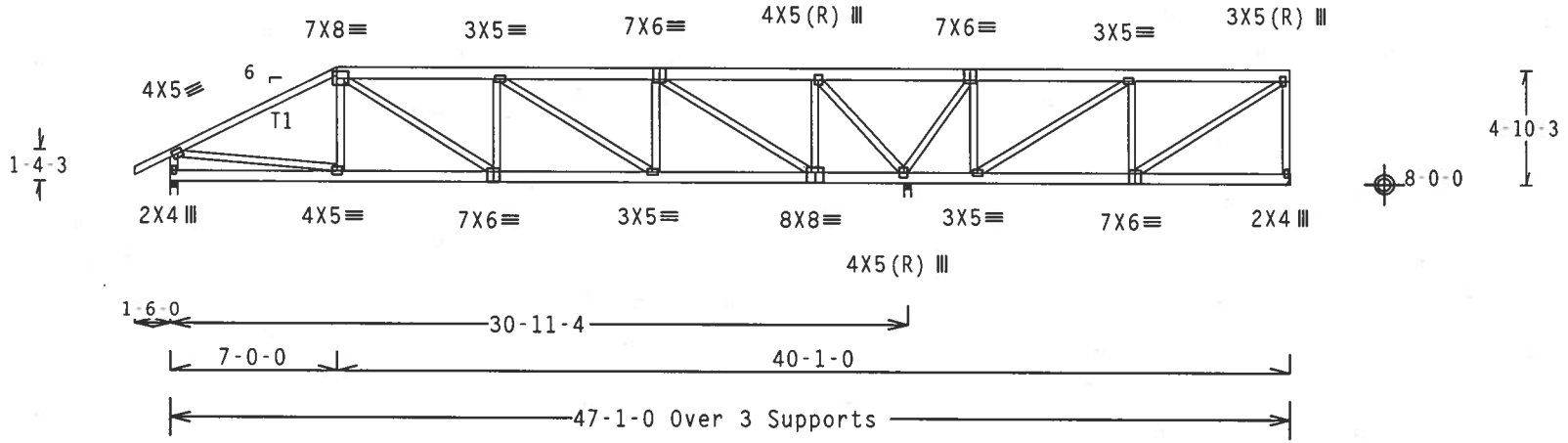
Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 4-10-3.

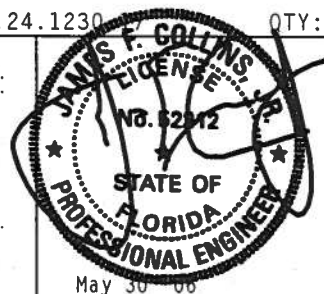


Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R215-- 3632
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150219
BC LL	0.0 PSF		HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123706
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N :T2, T3 2x6 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 42.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 18.50
BC - From 20 PLF at 18.50 to 20 PLF at 40.50
BC - From 4 PLF at 40.50 to 4 PLF at 42.00
TC - 344 LB Conc. Load at 5.00
TC - 127 LB Conc. Load at 7.06, 9.06, 11.06, 13.06, 15.06
17.06
TC - 154 LB Conc. Load at 19.06
TC - 198 LB Conc. Load at 21.44, 23.44, 25.44, 27.44, 29.44
31.44, 33.44
BC - 140 LB Conc. Load at 5.00
BC - 54 LB Conc. Load at 7.06, 9.06, 11.06, 13.06, 15.06
17.06
BC - 52 LB Conc. Load at 19.06
BC - 375 LB Conc. Load at 20.14
BC - 80 LB Conc. Load at 21.44, 23.44, 25.44, 27.44, 29.44
31.44
BC - 570 LB Conc. Load at 33.50

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

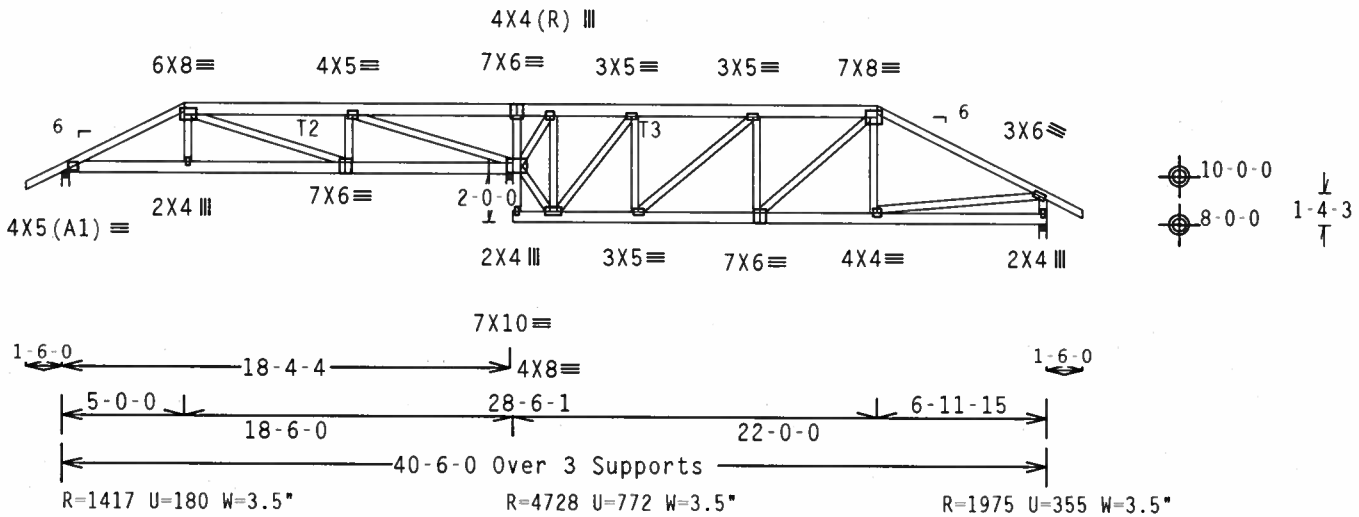
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 2-10-3.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 '06

TC LL	20.0 PSF	REF	R215-- 3633
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150227
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123557
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member.

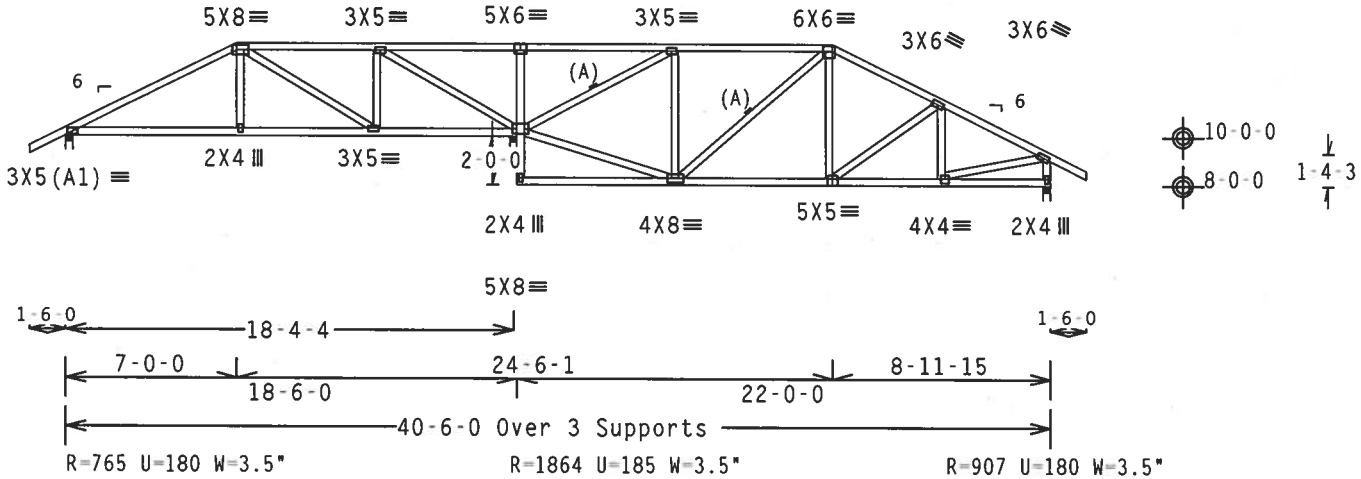
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 3-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

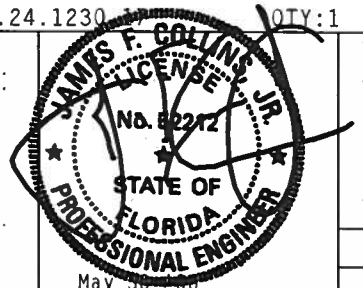
PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



May 30, 06

TC LL	20.0 PSF	REF R215-- 3634
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150211
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123561
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x6 SP #2 N :B1 2x4 SP #2 N:
Webs 2x4 SP #2 N

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 42.00
BC - From 20 PLF at 0.00 to 20 PLF at 40.50
BC - From 4 PLF at 40.50 to 4 PLF at 42.00
BC - 1939 LB Conc. Load at 19.44
BC - 306 LB Conc. Load at 21.44
BC - 198 LB Conc. Load at 23.44
BC - 168 LB Conc. Load at 25.44
BC - 240 LB Conc. Load at 27.44
BC - 238 LB Conc. Load at 29.44
BC - 370 LB Conc. Load at 31.44
BC - 708 LB Conc. Load at 33.37

Plates sized for a minimum of 3.00 sq.in./piece.

2 COMPLETE TRUSSES REQUIRED

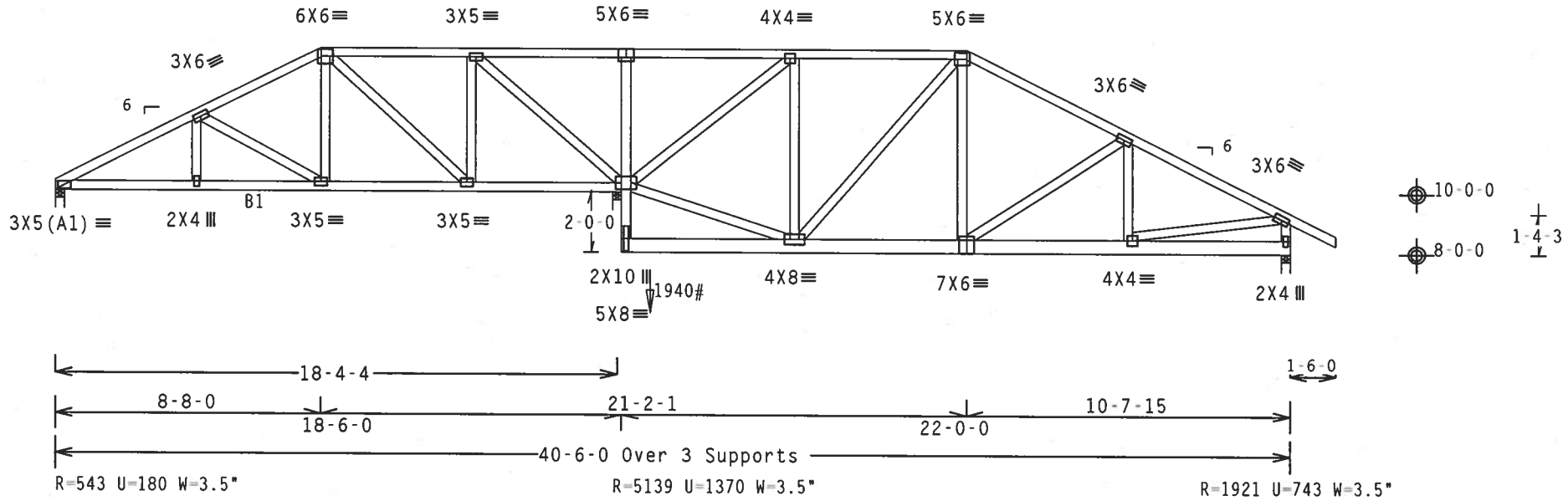
Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-8-3.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 '06

TC LL	20.0 PSF	REF	R215-- 3635
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150220
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123742
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N :T2 2x6 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

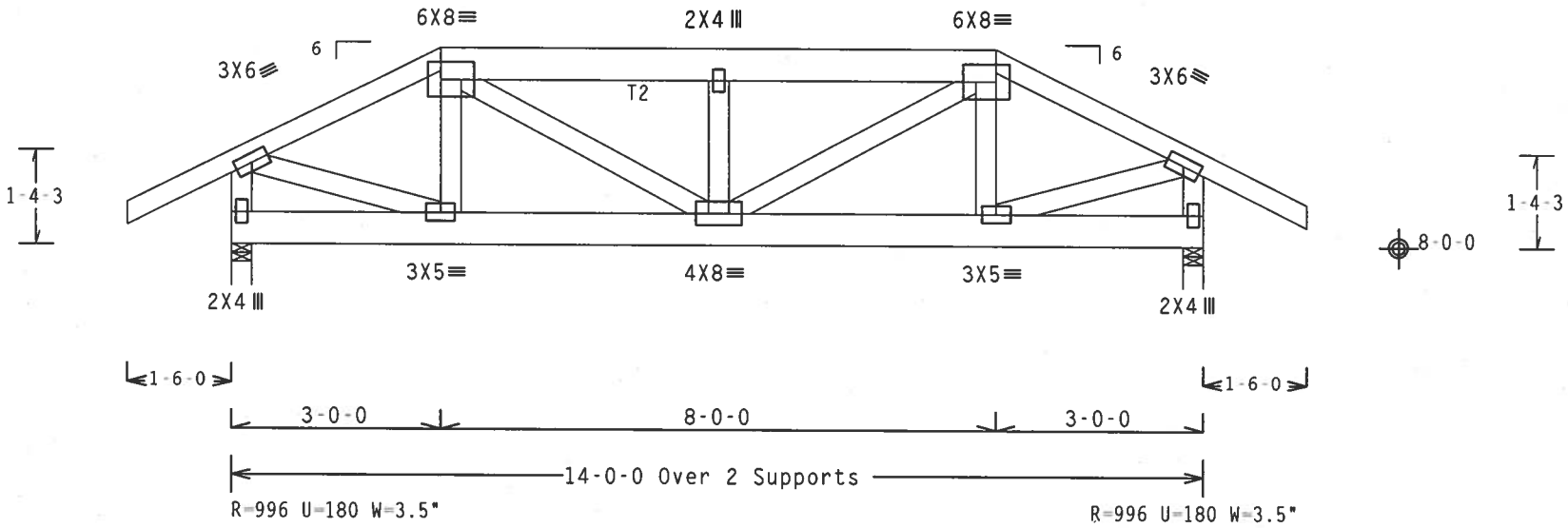
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-10-3.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	62 PLF	at	-1.50	to	62 PLF	at 15.50
BC	From	4 PLF	at	-1.50	to	4 PLF	at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF	at 14.00
BC	From	4 PLF	at	14.00	to	4 PLF	at 15.50
TC		118 LB	Conc. Load at	3.06, 10.94			
TC		69 LB	Conc. Load at	5.06, 7.00, 8.94			
BC		53 LB	Conc. Load at	3.06, 10.94			
BC		29 LB	Conc. Load at	5.06, 7.00, 8.94			

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 1 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30, 06

TC LL	20.0 PSF	REF R215-- 3636
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150224
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123631
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 15.50
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 14.00
BC - From 4 PLF at 14.00 to 4 PLF at 15.50
BC - 3612 LB Conc. Load at 7.12
BC - 1347 LB Conc. Load at 9.06, 11.06
BC - 1377 LB Conc. Load at 13.06

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-11-11.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

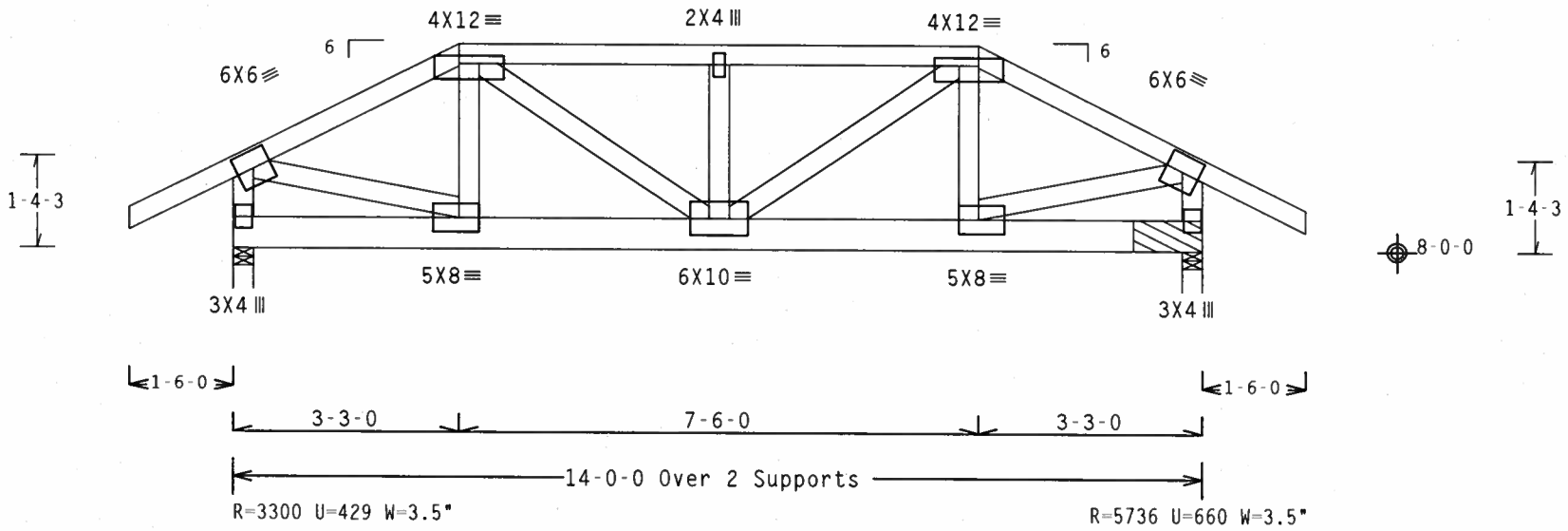
Bearing blocks: Nail type: 0.131"x3"_Gun_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
2	13.708'	1	12"	6	Match Truss

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R
Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 2006

TC LL	20.0 PSF	REF R215-- 3637
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150228
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123634
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

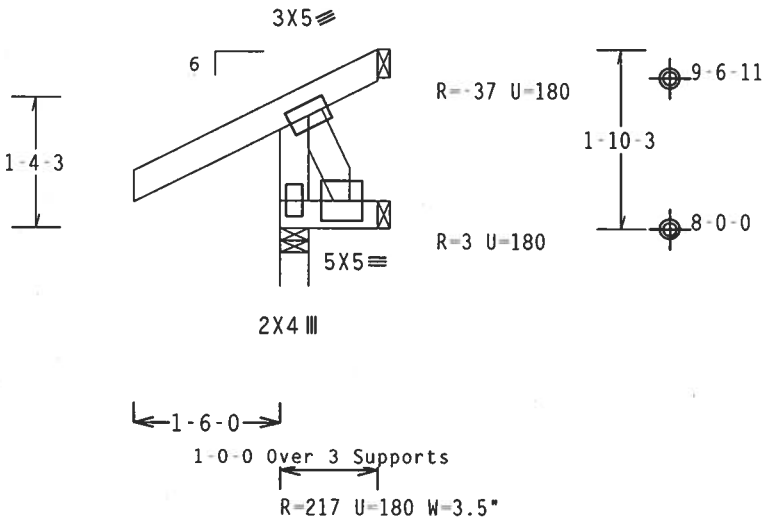
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30

TC LL	20.0 PSF	REF R215-- 3638
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150212
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123546
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

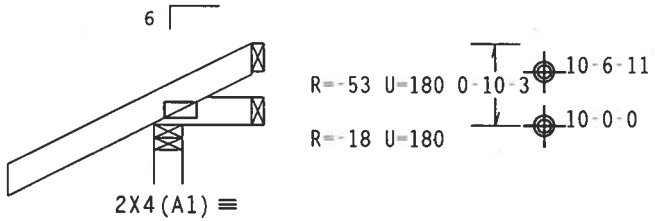
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

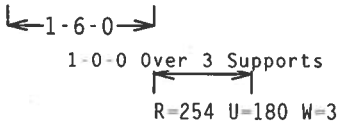
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 0-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 [illegible] FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS JR. LICENSED No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF R215-- 3639
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150213
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123539
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

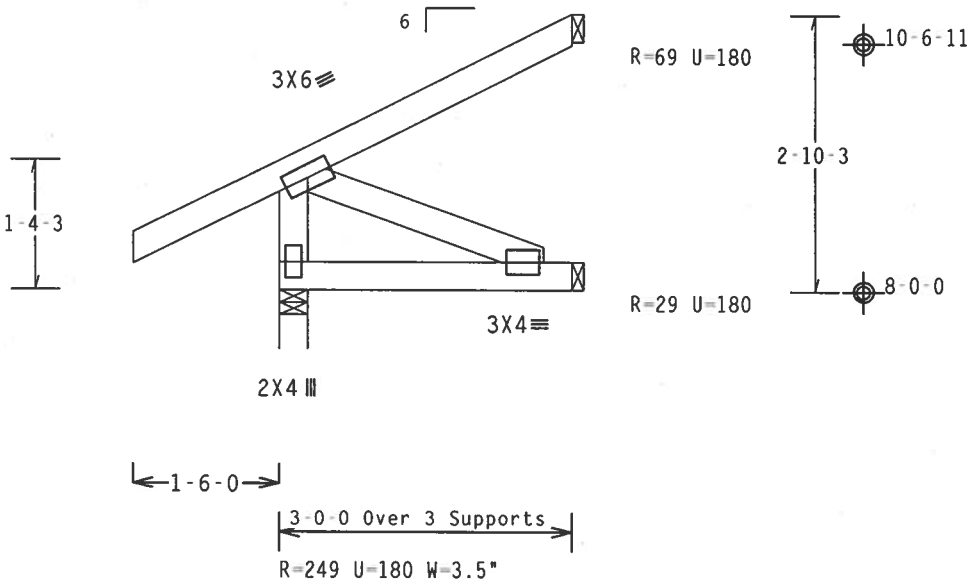
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

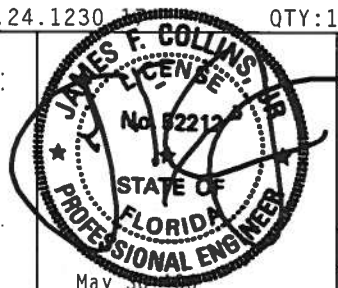
PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



May 30, 06

TC LL	20.0 PSF	REF R215-- 3640
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150180
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	40.0 PSF	SEQN- 123550
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

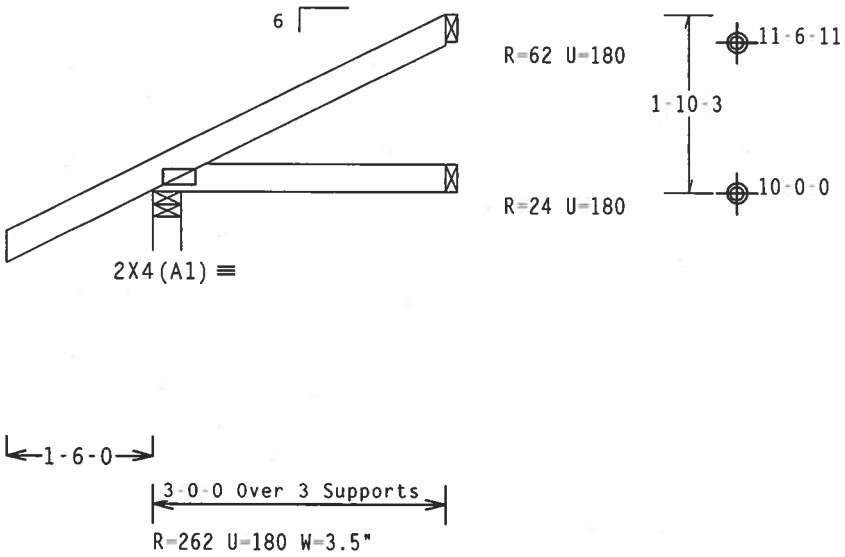
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No 52202 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 '06

TC LL	20.0 PSF	REF	R215-- 3641
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150181
BC LL	0.0 PSF	HC-ENG	CC/WHK *
TOT.LD.	40.0 PSF	SEQN-	123542
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

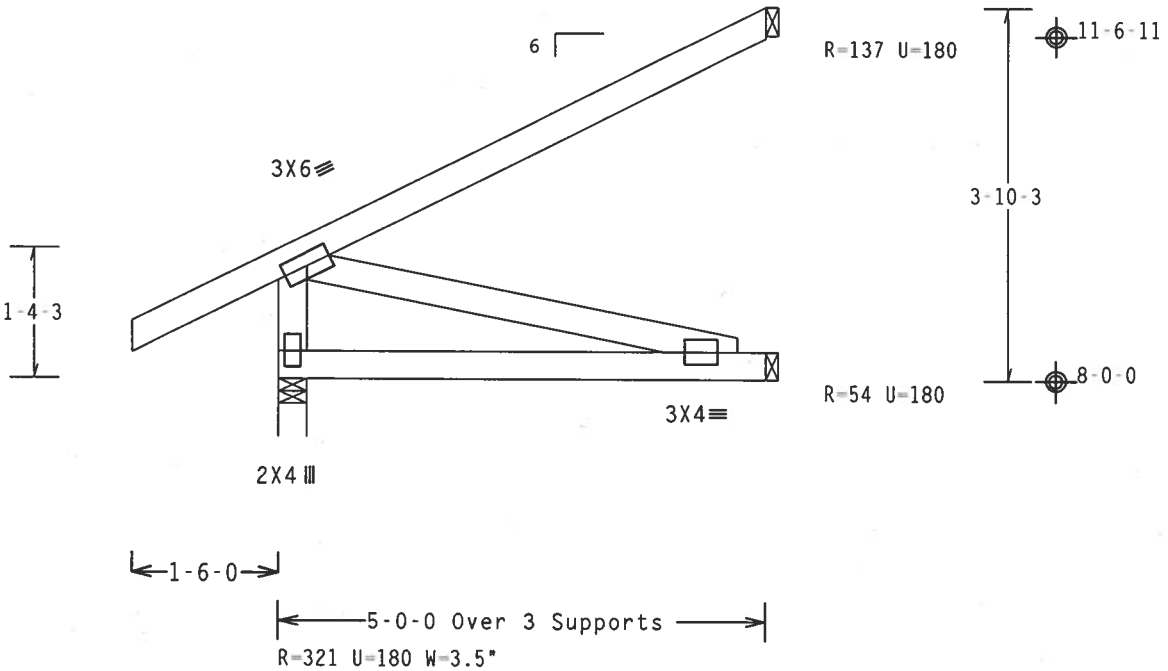
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 3-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R
Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 '06

TC LL	20.0 PSF	REF R215-- 3642
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150182
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	40.0 PSF	SEQN- 123553
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

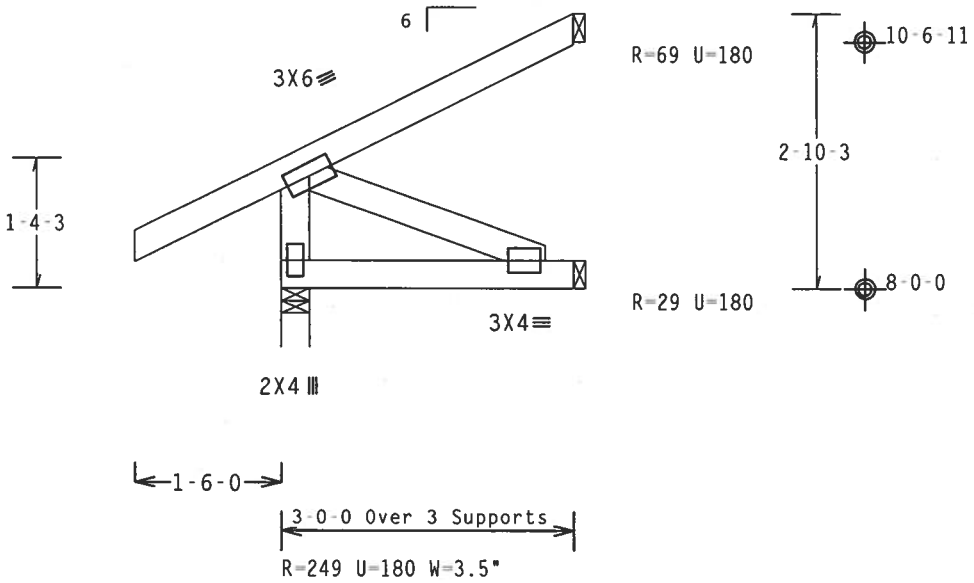
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 1 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30, 2006

TC LL	20.0 PSF	REF R215-- 3643
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150183
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	40.0 PSF	SEQN- 123579
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

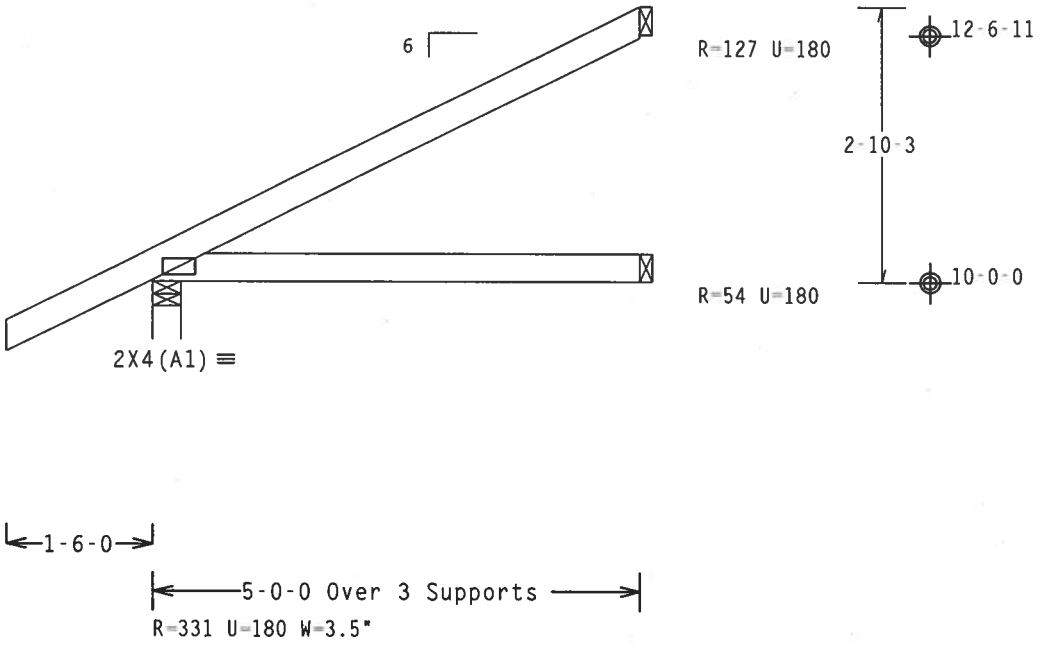
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.17

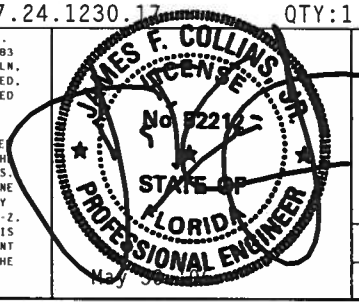
PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R215-- 3644
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150184
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	40.0 PSF	SEQN- 123525
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

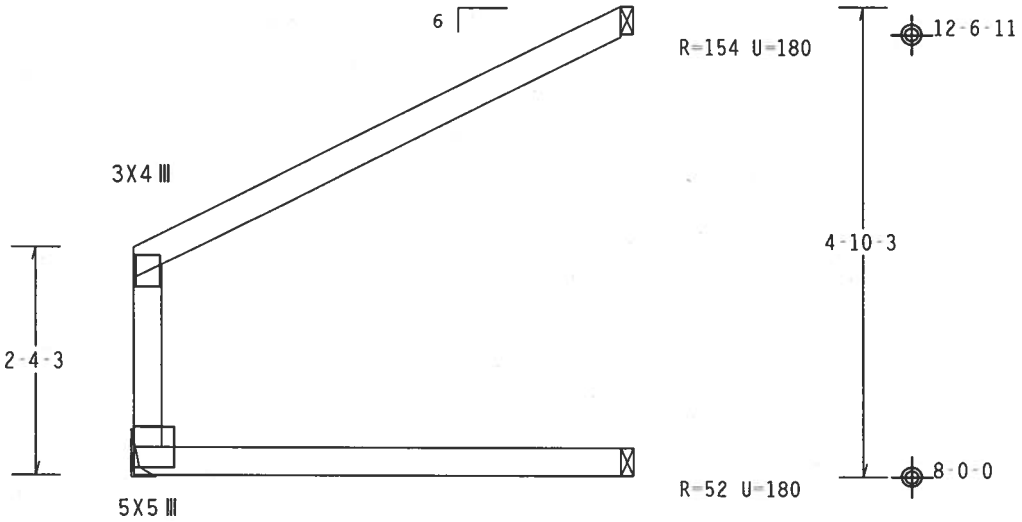
The overall height of this truss excluding overhang is 4-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.18" due to live load and 0.12" due to dead load.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.



5-0-0 Over 3 Supports

R=206 U=180 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES E. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 '06

TC LL	20.0 PSF	REF R215-- 3645
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150185
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	40.0 PSF	SEQN- 123522
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

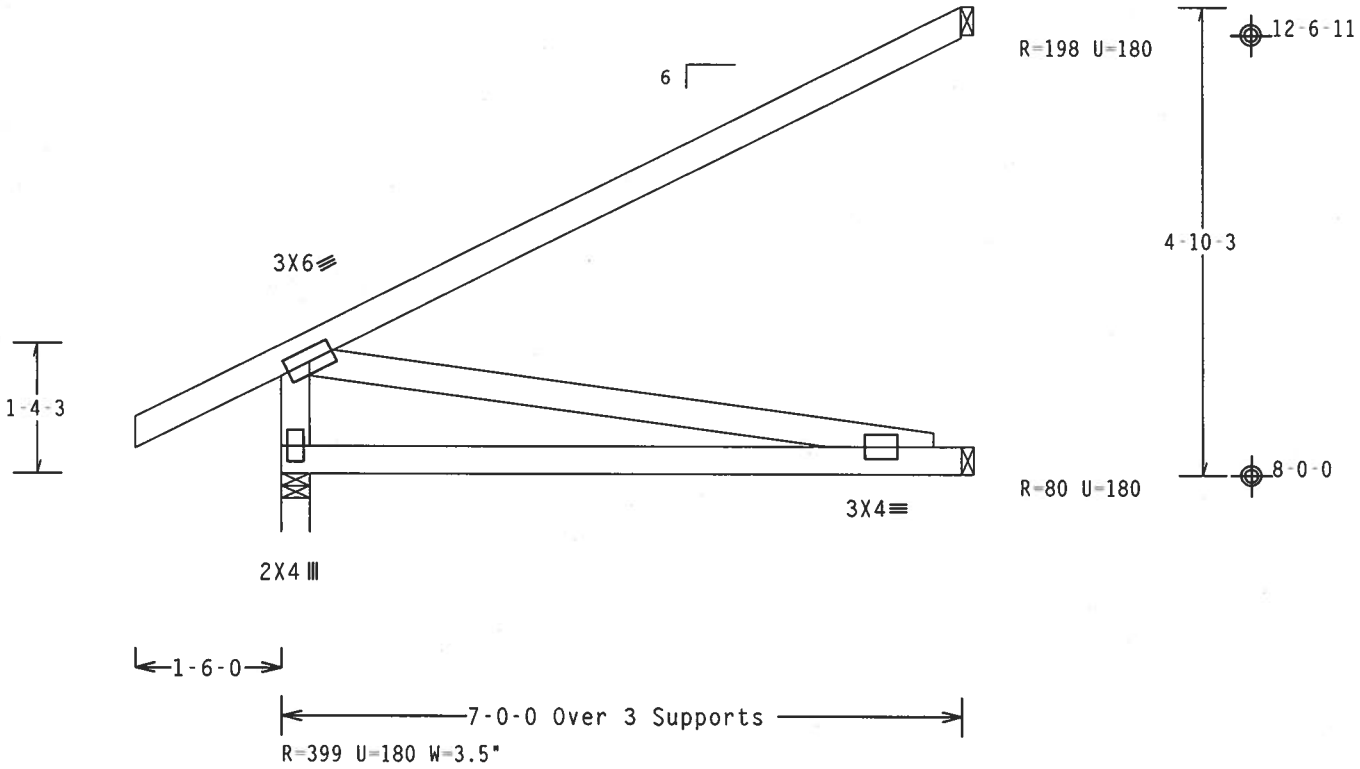
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF	R215-- 3646
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150186
BC LL	0.0 PSF		HC-ENG CC/WHK *
TOT.LD.	40.0 PSF	SEQN-	123516
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

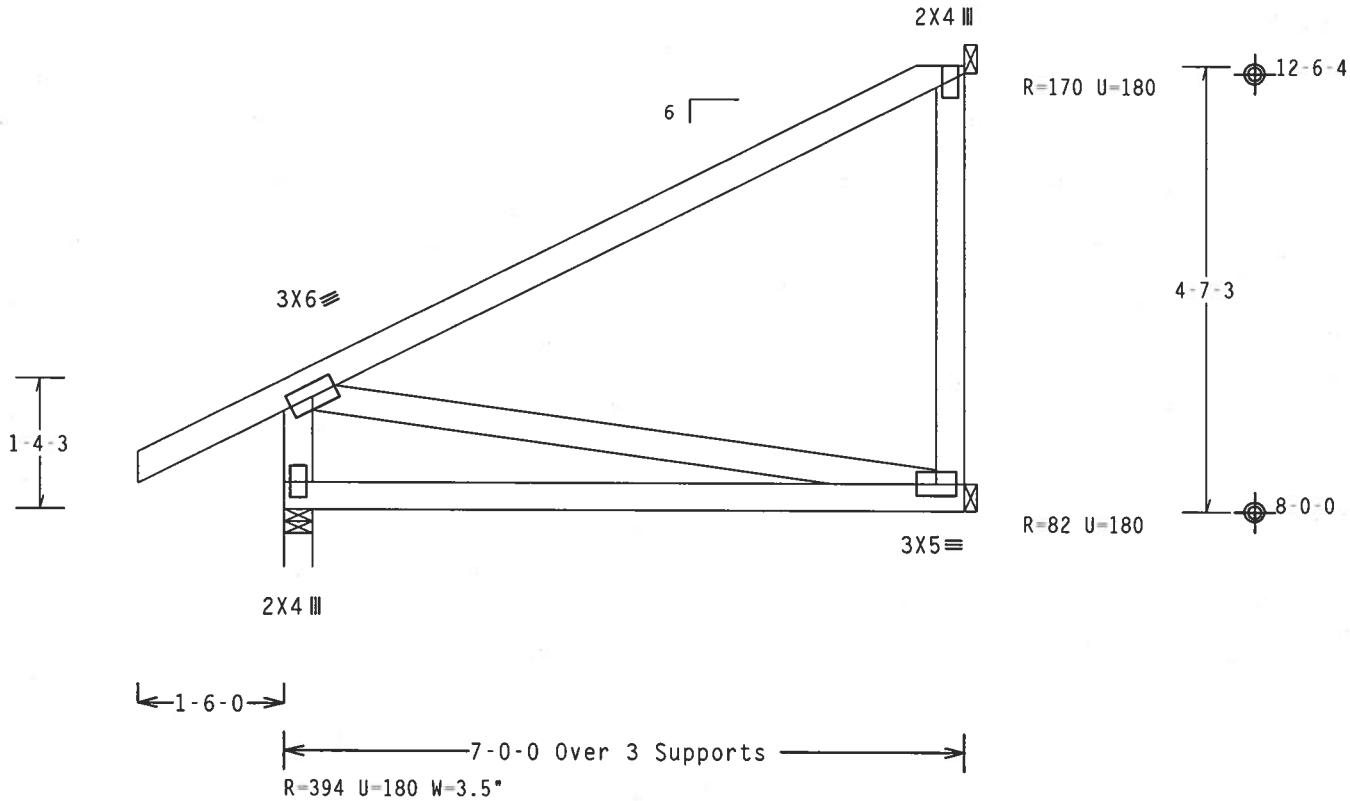
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 4-7-3.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.24.1230 1

QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF	R215-- 3647
TC DL	10.0 PSF	DATE	05/30/06
BC DL	10.0 PSF	DRW	HCUSR215 06150214
BC LL	0.0 PSF	HC-ENG	CC/WHK
TOT.LD.	40.0 PSF	SEQN-	123569
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

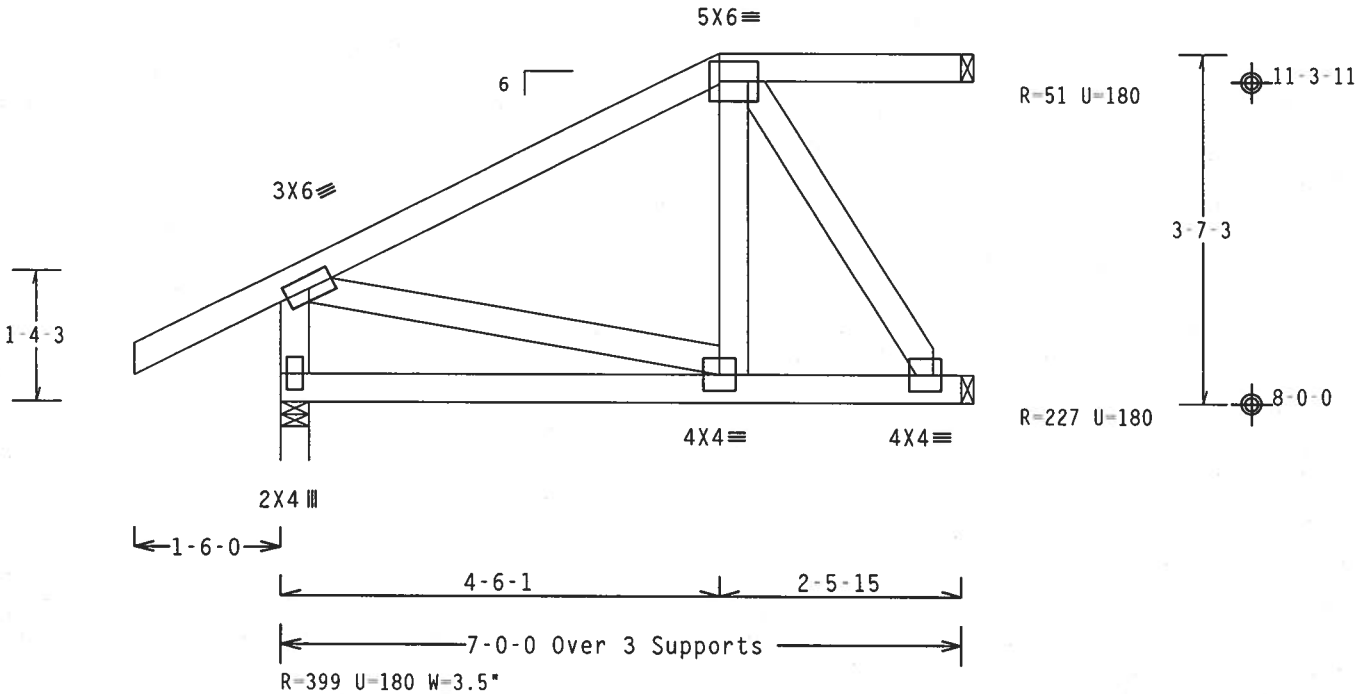
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 3-7-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.13

PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/-

Scale =.5"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30,2006

TC LL	20.0 PSF	REF R215-- 3648
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150187
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	40.0 PSF	SEQN- 123572
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 7.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
TC - 16 LB Conc. Load at 1.88
BC - 336 LB Conc. Load at 1.94

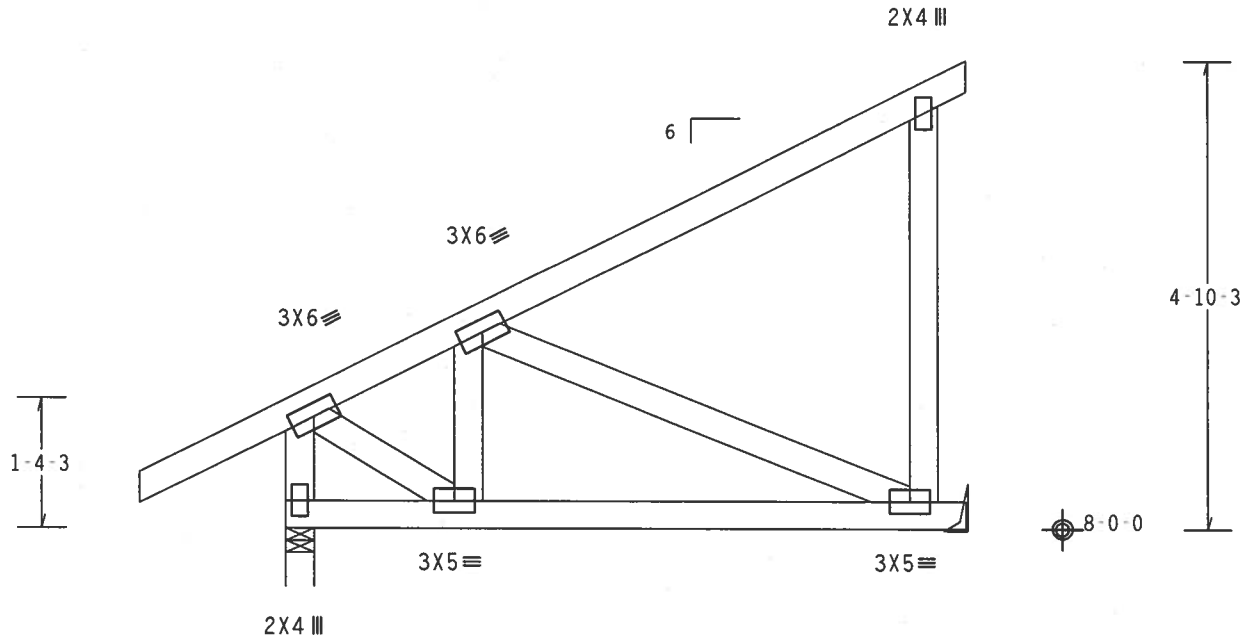
The overall height of this truss excluding overhang is 4-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.



R=654 U=180 W=3.5"

R=375 U=180 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 1[illegible] QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave\R

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 06

TC LL	20.0 PSF	REF R215-- 3649
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150226
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123519
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

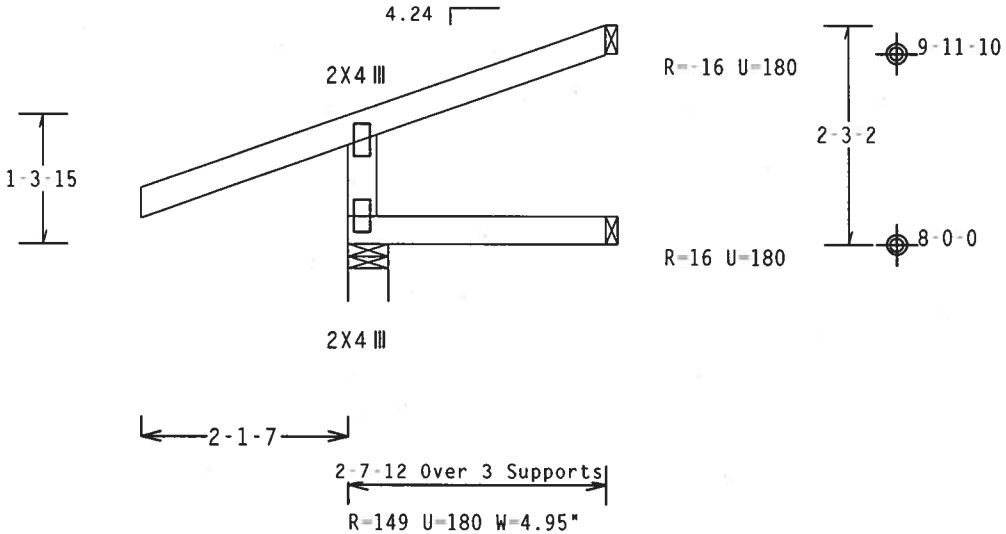
Hipjack supports 1-10-7 setback jacks with no webs.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-3-2.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cg/RT=1.00(1.25)/10(0) 7.24.1230 ... QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF R215-- 3650
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150221
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123499
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

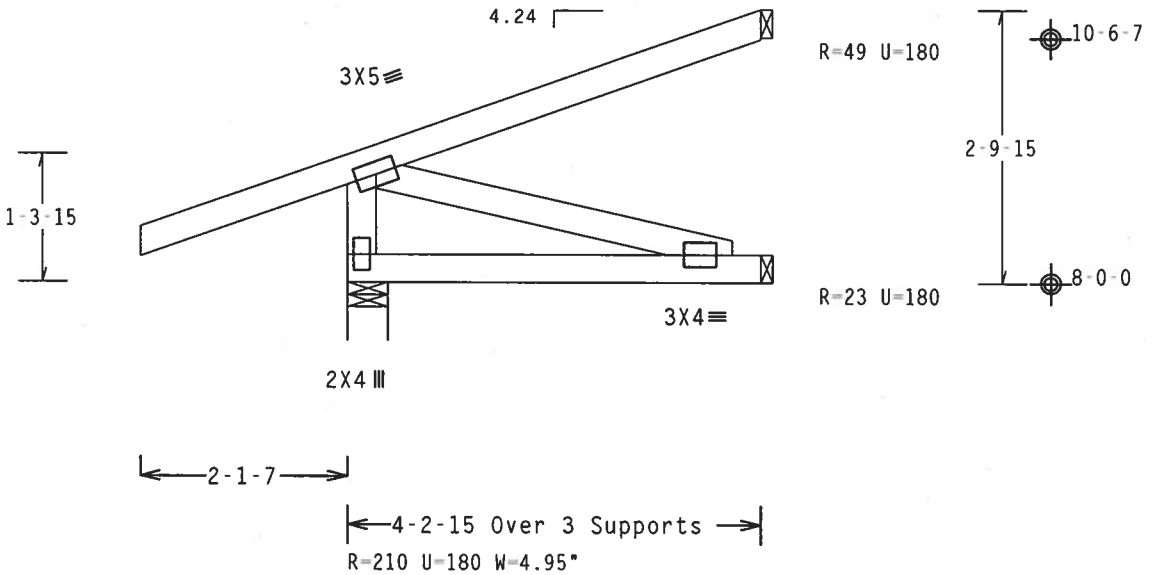
Hipjack supports 3-0-0 setback jacks with no webs.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-9-15.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 by

PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30, 06

TC LL	20.0 PSF	REF R215-- 3651
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150223
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123575
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

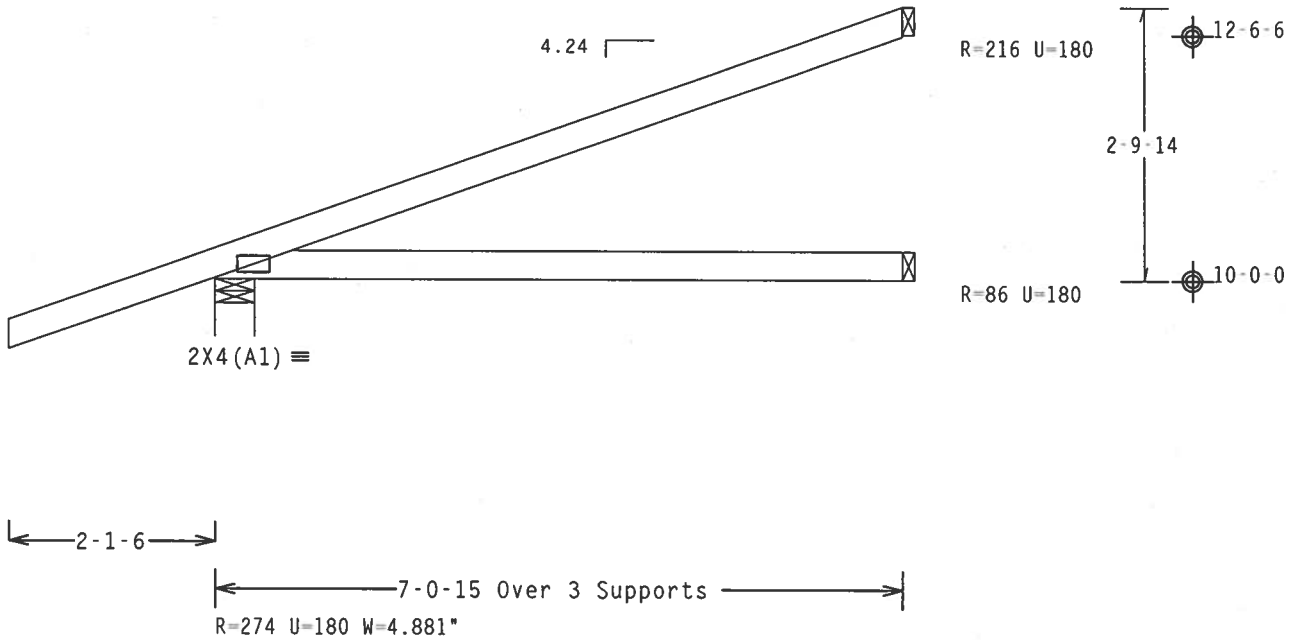
Hipjack supports 5-0-1 setback jacks with no webs.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-9-14.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cg/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF R215-- 3652
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150222
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123536
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Hipjack supports 7-0-0 setback jacks with no webs.

Plates sized for a minimum of 3.00 sq.in./piece.

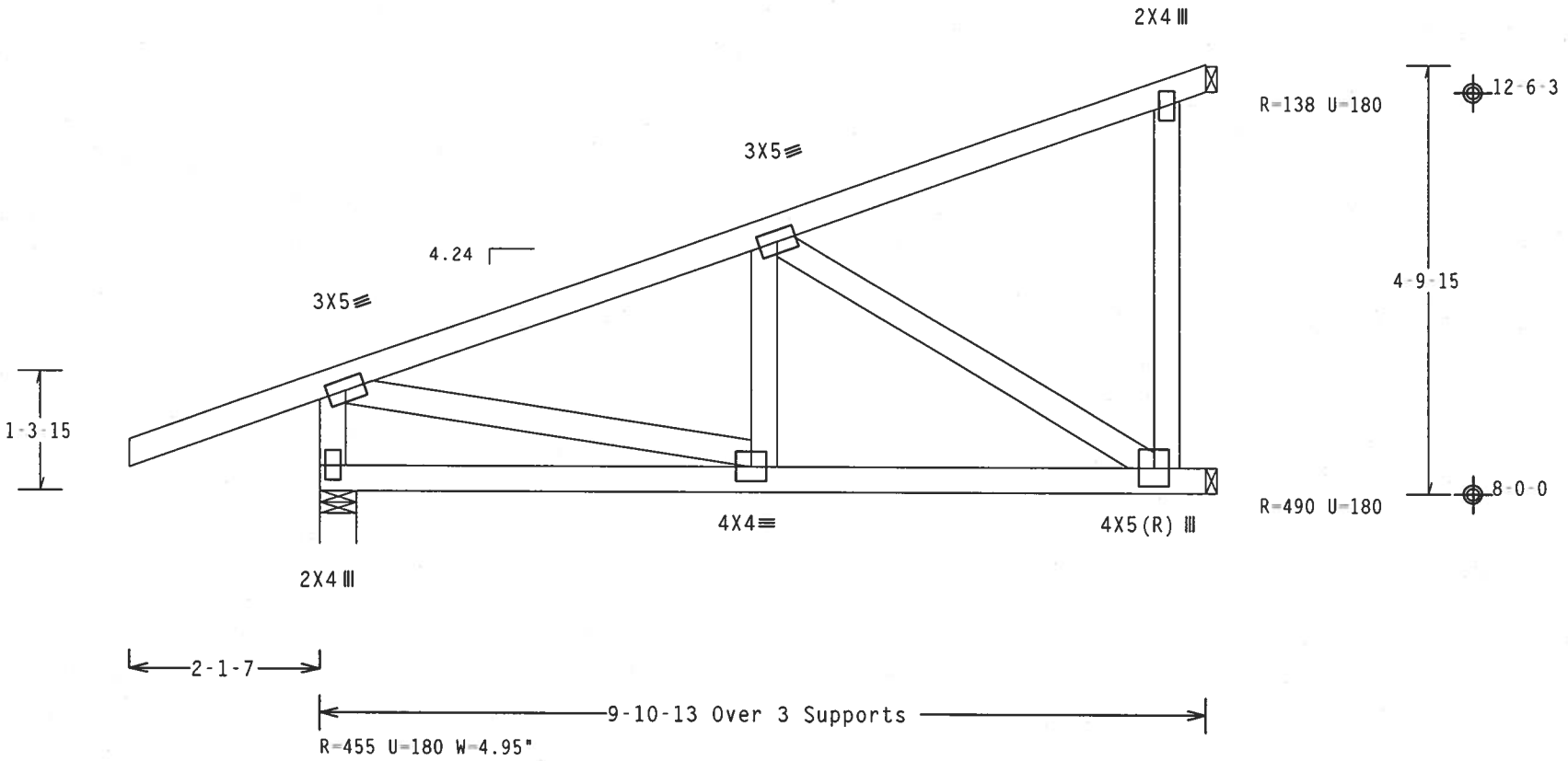
Toe nailing based on average reaction.

Provide (3) 0.162"x3.5" 16D common nails, toe nailed at Top chord.
Provide (3) 0.162"x3.5" 16D common nails, toe nailed at Bottom chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-9-15.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R
Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF R215-- 3653
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150218
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123531
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

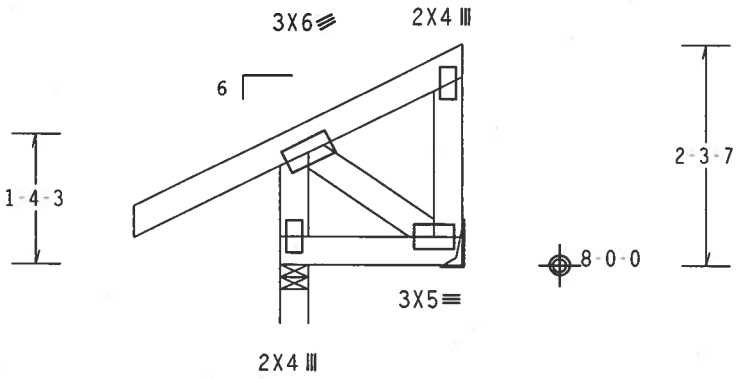
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 1.87
BC - 206 LB Conc. Load at 0.85

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 2-3-7.



R=140 U=180 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May

TC LL	20.0 PSF	REF R215-- 3654
TC DL	10.0 PSF	DATE 05/30/06
BC DL	10.0 PSF	DRW HCUSR215 06150225
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	40.0 PSF	SEQN- 123495
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

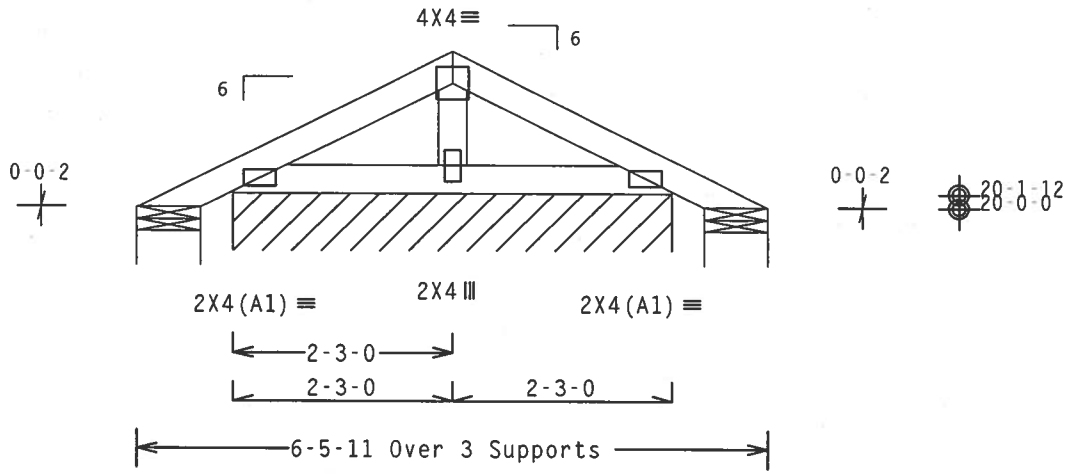
Plates sized for a minimum of 3.00 sq.in./piece.

See DRW HCUSR001 02086006 for piggyback details. Top chord of supporting truss under piggyback to be laterally braced at 24" oc, unless specified otherwise.

110 mph wind, 20.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-7-7.



R=12 U=180 W=7.826"
(7.576" Effective Contact)

R=80 PLF U=40 PLF W=4-6-1

R=12 U=180 W=7.826"
(7.576" Effective Contact)

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 30 06

TC LL	20.0 PSF	REF R215-- 3655
TC DL	10.0 PSF	DATE 05/30/06
BC DL	2.0 PSF	DRW HCUSR215 06150215
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	32.0 PSF	SEQN- 123594
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

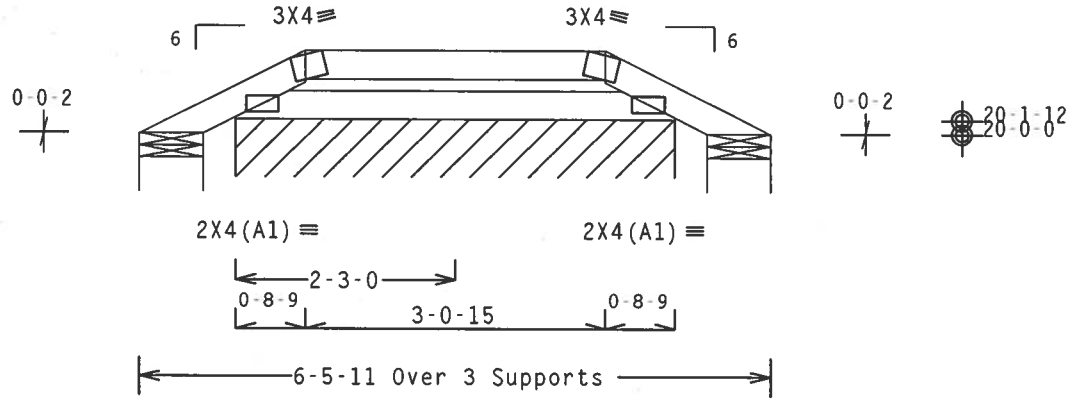
Plates sized for a minimum of 3.00 sq.in./piece.

See DRW HCUSR001 02086006 for piggyback details. Top chord of supporting truss under piggyback to be laterally braced at 24" oc, unless specified otherwise.

110 mph wind, 20.43 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 0-10-3.



R=3 U=180 W=7.826"
(7.576" Effective Contact)

R=84 PLF U=40 PLF W=4-6-1

R=3 U=180 W=7.826"
(7.576" Effective Contact)

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 30 '06

TC LL	20.0 PSF	REF R215-- 3656
TC DL	10.0 PSF	DATE 05/30/06
BC DL	2.0 PSF	DRW HCUSR215 06150216
BC LL	0.0 PSF	HC-ENG CC/WHK
TOT.LD.	32.0 PSF	SEQN- 123597
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SXN215_Z05

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

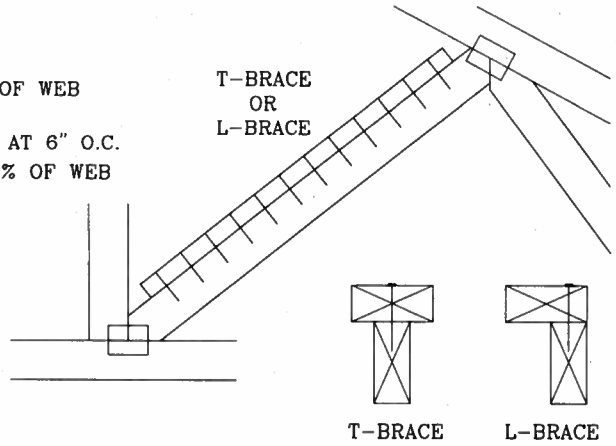
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

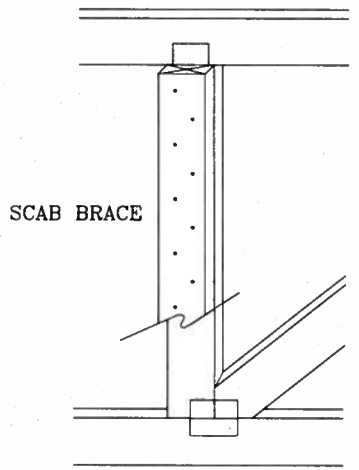
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

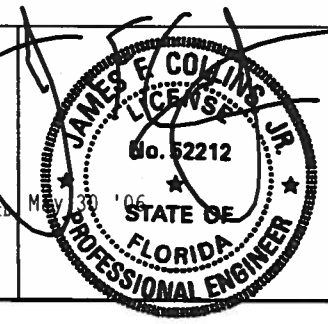


THIS DRAWING REPLACES DRAWING 579,640

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 11/26/03
BC DL	PSF	DRWG BRCLBSUB1103
BC LL	PSF	-ENG MLH/KAR
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

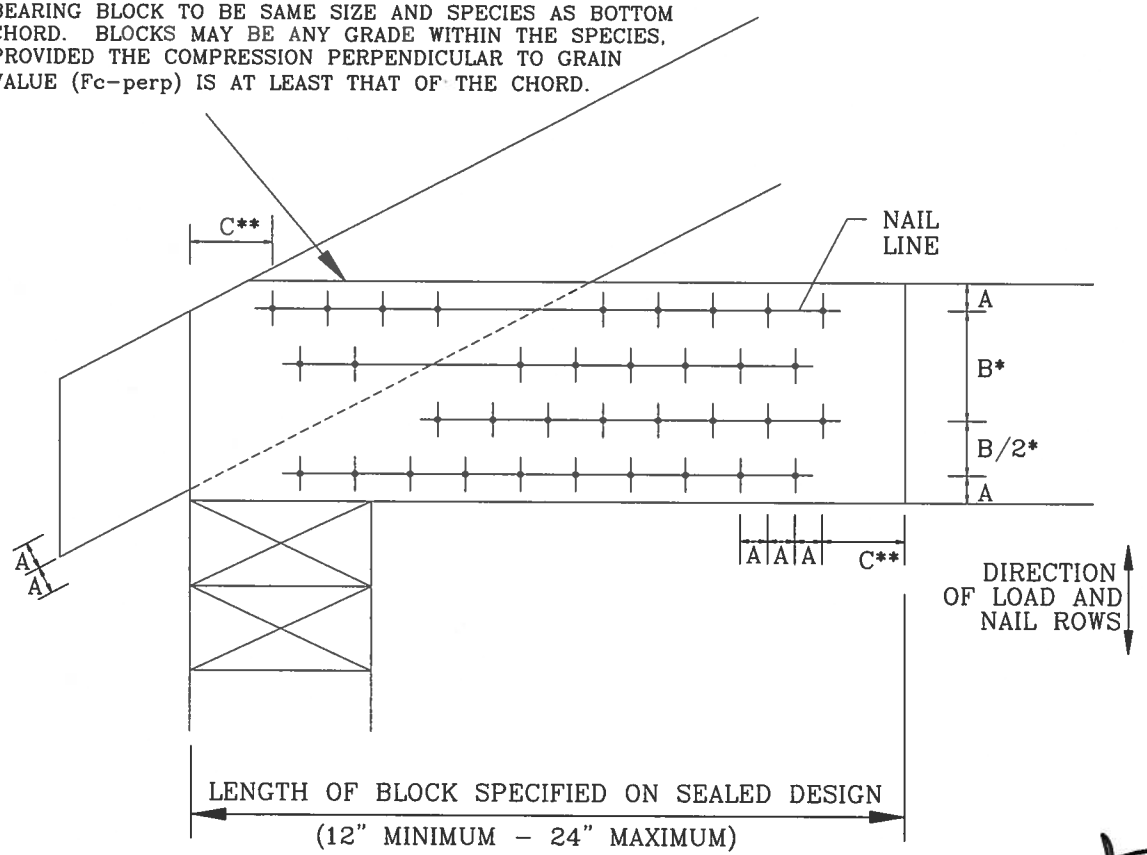
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

A – EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B – SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C – END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
- • SPACING MAY BE REDUCED BY 50%
- •• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE 2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X2.5")	3	6	9	12	15
10d BOX (0.128"X3")	3	5	7	10	12
12d BOX (0.128"X3.25")	3	5	7	10	12
16d BOX (0.135"X3.5")	3	5	7	10	12
20d BOX (0.148"X4")	2	4	5	6	8
8d COMMON (0.131"X2.5")	3	5	7	10	12
10d COMMON (0.148"X3")	2	4	6	8	10
12d COMMON (0.148"X3.25")	2	4	6	8	10
16d COMMON (0.162"X3.5")	2	4	6	8	10
0.120"X2.5" GUN	3	6	8	11	14
0.131"X2.5" GUN	3	5	7	10	12
0.120"X3.0" GUN	3	6	8	11	14
0.131"x3.0" GUN	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**
8d BOX (0.113"X2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X3")	7/8"	1 5/8"	2"
12d BOX (0.128"X3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"X3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"X3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X3.5")	1'	2"	2 1/2"
0.120"X2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"X2.5" GUN	7/8"	1 5/8"	2"
0.120"X3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W,K/H,S) GAL.V. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 26, 2004

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGBLK1103
-ENG	SJP/KAR

(PIGGYBACK -)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

TOP CHORD 2x4 SP SP #2N
BOT CHORD 2x4 SP #3 OR #2N
WEBS 2x4 SP #3

*,E (4) 0.131"X1.375" SCOTCH NAILS OR EQUAL IN EACH MEMBER. TRULOX PLATE TO BE APPLIED TO EACH FACE AT 2'0" O.C. MAXIMUM SPACING. REFER TO DRAWING 142 FOR TRULOX INFORMATION. PLATES ON THE FRONT FACE OF TRUSS MAY BE OFFSET FROM THE PLATES ON THE BACK FACE AS LONG AS PLATES ARE SPACED 4'0" OC. MAX.

NOTE: PIGGYBACK VERTICALS TO BE SPACED AT 4'0" O.C. MAXIMUM.

** MAXIMUM SIZE OF 2X12, #2 HEM-FIR OR BETTER.

E - 4X6 ALPINE, 3X6 TRULOX AT 2'0" OC. MAX.

++ PIGGYBACY BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH W1.5X3 ALPINE.

* - 3X8 TRULOX PLATE OR ALPINE PIGGYBACK SPECIAL PLATE (SEE DRWG. 847.847)

TRUSSES BUILT PER THIS DETAIL DESIGNED TO BE USED FOR THE FOLLOWING:
140 MPH WIND, 30.0 FT MEAN HGT, ASCE 7-98, PART. ENC.BLDG, CAT II, EXP C.

140 MPH WIND, 30.0 FT MEAN HGT, ASCE 7-02, PART. ENC.BLDG, CAT II, EXP C.

NOTE: THIS DETAIL MAY ALSO BE USED FOR A MONO OR HIP-MONO PIGGYBACK USING A TYPE-C PLATE AT THE HIGH END. AND END VERTICAL WHICH IS GREATER THAN 6-0-0 IN LENGTH AND EXPOSED TO WIND MUST BE VERIFIED BY ALPINE ENGINEERED PRODUCTS.

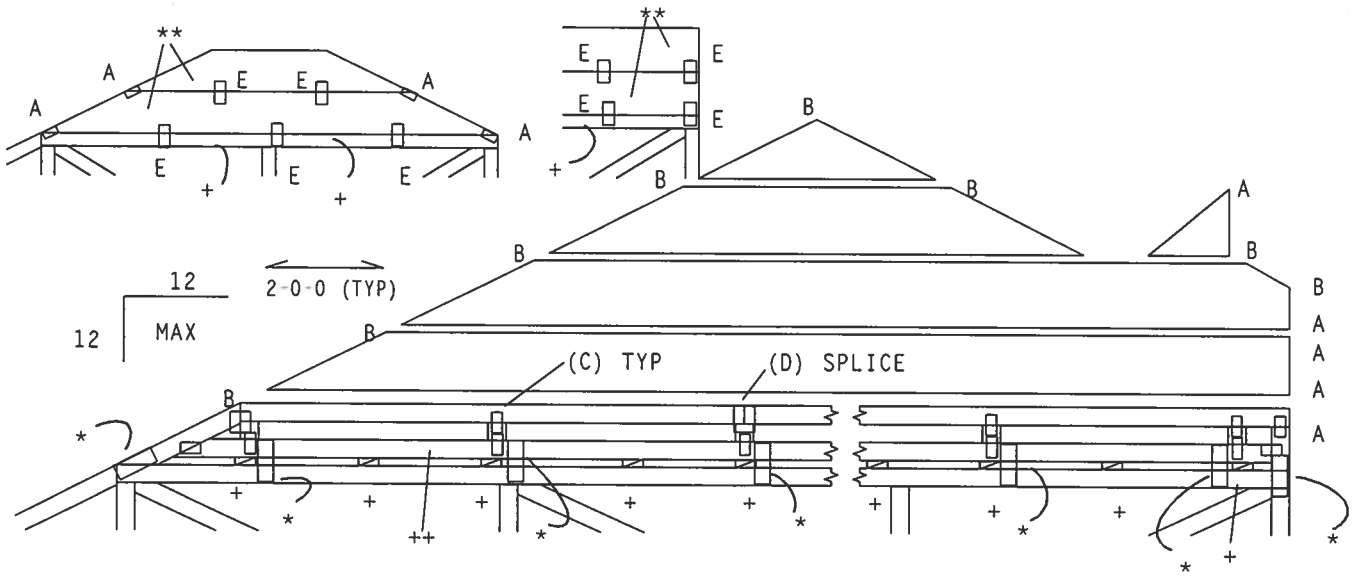
NOTE: TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

+ 2X4 CONTINUOUS LATERAL BRACING AT 24" OC. MAX SPACING. ATTACH TO TOP SIDE OF SUPPORTED TRUSS TOP CHORD WITH 2-16D NAILS IN EACH TRUSS.
OR
1X4 CONTINUOUS LATERAL BRACING AT 24" OC. MAX. SPACING. ATTACH TO BOTTOM SIDE OF SUPPORTED TRUSS TOP CHORD WITH 2-16D NAILS IN EACH TRUSS. BOTTOM CHORD OF PIGGYBACK SHOULD REST DIRECTLY ON THE TOP CHORD OF THE SUPPORTED TRUSS.

NOTE: BRACING MATERIAL IS TO BE ATTACHED TO A SUITABLE SUPPORT AT EACH END, AND MUST BE #3 HEM-FIR OR BETTER.

JOINT TYPE	SPANS UP TO 30'0"	34'0"	38'0"	42'0"
A	W2X4	W2X5	W3X4	W3X5
B	W5X4	W5X5	W5X5	W5X5
C	W1X3	W1X3	W1.5X3	W1.5X3
D	W5X4	W5X4	W5X5	W5X5

WEB BRACING
UP TO 7'9" NO BRACING
7'9" TO 12'3"-1X4 "T" BRACE, SAME GRADE AND LENGTH AS WEB, ATTACH WITH 8D NAILS AT 6" OC.
12'3" TO 14'0"-2X4 "T" BRACE, SAME GRADE AND LENGTH AS WEB, ATTACH WITH 16D NAILS AT 4" OC.



42-0-0 MAXIMUM PIGGYBACK SPAN

ALTERNATE LOADING:

TCLL	20	30 PSF
TCDL	20	OR 15 PSF
BCDL	10	10 PSF
TOTL	50	55 PSF
	1.25	1.33

R1: REVISED FOR ASCE 7-02.
DLJ 09/30/2005

DETAIL: 140PB

PLT TYP. High Strength,Wave TPI-95 Design Criteria: TPI(STD) QTY:1 HI/-/1/-/-/R/-

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

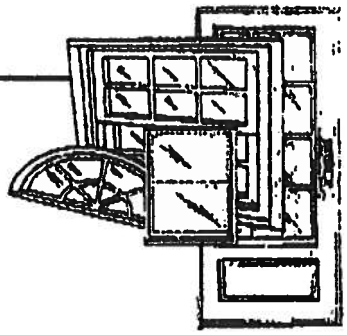
JAMES F. COLLINS JR. LICENSE No.52212 STATE OF FLORIDA May 30, 02 PROFESSIONAL ENGINEER

TC LL	30.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	47.0 PSF
DUR.FAC.	1.33
SPACING	24.0"

REF	R001-- 0
DATE	03/27/02
DRW	HCUSR001 02086006
HC-ENG	DLJ/DLJ
SEQN	- 24938
JREF	- 1SQV001_R38

CERTIFIED TESTING LABORATORIES

Architectural Division • 7252 Narcoossee Rd. • Orlando, Fl. 32822
(407) 384-7744 • Fax (407) 384-7751
Web Site: www.ctlarch.com
E-mail: ctlarch.com



Report Number: CTLA-991W-1-AWT
Report Date: February 18, 2003

STRUCTURAL PERFORMANCE TEST REPORT

Client: ACTION WINDOOR TECHNOLOGY INC
1312 W. CROSBY ROAD
CARROLLTON, TX 75006

Product Type and Series: **AWT Series 3950 Vinyl Fin Frame Single Hung Window with Reinforced Sash Top Rail, Stiles & Meeting Rail H-R40 (36"x 72")**

Test Specifications: AAMA/NWWDA 101/I.S.2-97 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"

Frame: Vinyl Fin frame measured 35.50" wide x 71.50" high overall. Mitered corner weld construction. Fixed meeting rail secured to each frame jamb with one (1) #8 x 2" PH., PH. screw.

Ventilator: Operable sash measured 33.375" wide x 35.25" high overall. Mitered corner weld construction. Clear lite measured 31.5625" high x 33.5625" high. Fixed lite measured 32.50" wide x 33.4375"high.

Weather Stripping: One (1) strip of woolpile .220" high with integral plastic fin frame sill. One (1) strip of woolpile .250" high with integral plastic fin sash top rail exterior. One (1) strip of woolpile .250" high each sash stile exterior leg. One (1) strip of woolpile .250" high with integral plastic fin each sash stile interior leg. One (1) strip of foam filled bulb weatherstrip sash bottom rail.

Hardware & Location: Two (2) metallic sweep locks located on sash top rail approx 8" from each end of rail. Two (2) metallic keepers located on fixed meeting rail. One (1) tilt latch at each end of sash top rail. One (1) block and tackle at each frame jamb. One (1) pivot bar at each end of sash bottom rail.

Glazing: 5/8" insulated annealed glass consisting of .125" glass .375" air space with swiggle .125" glass. Sash exterior glazed. Fixed lite interior glazed adhesive foam strip backbedding and vinyl snap in glazing bead.

Sealant: A silicone type sealant was used on sill and to seal specimen to test buck.

Weep System: Weep notch measuring 2.25" x leg height located each end of sill weeping to the exterior

Muntins: N/A

Reinforcement: Fixed meeting rail has one (1) piece of extruded aluminum reinforcement measuring .662" wide x .755" high x .099" thick x full length. Top rail, and sash stiles has one (1) piece of extruded aluminum reinforcement measuring .590" wide x .995" high x .115" thick x full length.

Additional Description: N/A

Screen: Roll formed aluminum frame, fiberglass mesh with vinyl spline. Two (2) metallic retainer clips and two (2) metallic plungers. Corners secured with plastic corner keys

Installation: Twenty-six (26) 1.75" roofing nails were used to secure the specimen to the wood test buck. Five (5) were located in head and sill measuring 4", 13", 21", 29", and 33" from left jamb. Eight (8) were located in each jamb measuring 4.50", 14.25", 24", 32.75", 42", 57.25", 60.50" and 70" from sill.

Surface Finish: White Vinyl

Comment: Nominal 2 mil polyethylene film was used to seal against air leakage during structural loads. The film was used in a manner that did not influence the test results

Performance Test Results

Paragraph No	Title of Test	Method	Measured	Allowed
2.1.2	Air Infiltration @1.57 psf	ASTM E283-91	.18 cfm/ft²	.34 cfm/ft²
	The tested specimen meets or exceeds the performance levels specified in AAMA/NWWDA 101/I.S.2-97. Results recorded in two (2) decimals at the clients request. Unit tested with shims installed under cam locks.			
2.1.3	Water Resistance @ 5.0 gph/ft²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
	WTP= 6.75 psf	ASTM E331-93 Fifteen (15) minute duration	No Entry	No Entry
	Unit tested with insect screen.			
2.1.3	Water Resistance @ 5.0 gph/ft²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
	WTP= 6 psf	ASTM E331-93 Fifteen (15) minute duration	No Entry	No Entry
	Unit tested without insect screen.			
2.1.4.2	Uniform Load Structural Permanent Deformation	ASTM E330-90 Ten (10) second load		
	@ 60 psf positive		.015"	.134"
	@ 60 psf negative		.005"	.134"
2.1.8	Forced Entry Resistance	AAMA 1302.5-76		
	Test A		0"	½"
	Test B		0"	½"
	Test C		0"	½"
	Test D, E and F		0"	½"
	Test G		0"	½"

Performance Test Results (continued)

Paragraph No	Title of Test		Method	Measured	Allowed
2.2.2.5.1	Operating Force Sash		AAMA/NWWDA 101/I.S.2-97	18 lbs.	30 lbs.
2.2.2.5.2	Deglazing		ASTM E987-88		
	Top Rail	70 lbs.		.039" = 7.8%<100%	
	Bottom Rail	70 lbs.		.038" = 7.6%<100%	
	Left Side	50 lbs.		.050" = 10%<100%	
	Right Side	50 lbs.		.035" = 7.0%<100%	
2.1.7	Welded Corner Test		AAMA/NWWDA 101/ IS2-97	Passed	

Test Date November 21, 2002

Test Completion Date: November 21, 2002

Remarks: Detailed drawings were available for laboratory records and comparison to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by CTL for a period of four (4) years. The results obtained apply only to the specimen tested.

This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and they indicate compliance with the performance requirements (paragraphs as listed) of the above referenced specifications.

Certified Testing Laboratories assumes that all information provided by the client is accurate and that the physical and chemical properties of the components are as stated by the manufacturer.

Certified Testing Laboratories, Inc

James W. Blakely
Vice President
Architectural Division

cc: Action Windoor Technology Inc. (3)
File (1)

Report Number: ETC-04-034-14644.0
Test Start Date: 04/10/03
Test Finish Date: 03/16/04
Report Date: 03/18/04
Expiration Date: 03/18/08

Fenestration Structural Test Report

Rendered To:

Vinyl Building Products, Inc.
One Raritan Road
Oakland, NJ 07436

Series/Model

2900 Horizontal Slider (OX)

Description: The product tested was a vinyl Horizontal Sliding window. The test specimen was glazed with 5/8-inch thick insulating glass units constructed with double strength annealed glass. The frame size was 69 inches wide by 48 inches high by 2-3/4 inches deep. See Appendix A.

Test Specification: ANSI/AAMA/NWWDA 101/I.S.2

Summary of Results

Overall Design Pressure	35.0 psf
Air Leakage Rate	0.18 scfm/ft^2
Maximum Water Pressure Achieved	5.25 psf
Maximum Structural Pressure Achieved	60.0 psf
Forced Entry Resistance - (ASTM)	Grade 10
Product Designation	**H–R35 69 x 48**

TEST REPORT

ETC Laboratories

Specifications: The test specimen was evaluated in accordance with ANSI/AAMA/NWWDA 101/I.S.2 "Voluntary Specification for Aluminum, Vinyl and Wood Windows and Glass Doors". Sections 1, 2 and 4 only. All performance specifications in this standard shall be met for full compliance to the standard and for product certification, labeling or represented as conforming to this standard.

Referenced Test Reports: NONE

Note – The test data in any section below with an "RTR" comment have not been obtained from this specimen but from the Referenced Test Report with a specimen of the same or larger size and identical construction.

Design Pressure (DP): The product tested herein has been first evaluated to the Gateway pressure in the referenced specification for the performance class rating achieved.

Gateway Performance Tests

Specification Paragraph	Title of Test		Results	Allowed
2.1.2	*Air Infiltration – ASTM E283*			
	Test Pressure - 1.57 psf		0.18 scfm/ft^2	0.30 scfm/ft^2
	The tested specimen exceeds the performance levels specified in ANSI/AAMA/NWWDA 101/I.S.2 for air infiltration.			
2.1.3	*Water Resistance -- ASTM E547*			
	5 gal/hr-ft^2 – 4 Test cycles – 24 Minutes			
	Design Pressure - 15.0 psf			
	Test Pressure – 2.86 psf			
	With and Without Screen		Pass	No Leakage
2.1.4.2	*Uniform Structural Load - ASTM E330*			
	Design Pressure - 15.0 psf			
	Test Pressure			
	Positive Load – 22.5 psf (150% x DP)		0.033 in.	0.177 in.
	Negative Load – 22.5 psf (150% x DP)		0.020 in.	0.177 in
	Note: Measurement taken after load from center of the meeting stile			
2.1.7	*Corner Weld*			
	Frame – 4 Corners		Pass	< 100%
	Sashes – 4 Corners		Pass	< 100%
2.1.8	*Forced Entry Resistance - ASTM E588*			
	Lock/Tool Manipulation		Pass	No Entry
	Tests A1 through A7		Pass	No Entry
	Lock/Tool Manipulation		Pass	No Entry
2.2.1.6.1	*Operating Force -- No Standardized Method*			
	Right Sash -- Open/Close		18/18 lbf	20 lbf
2.2.1.6.2	*Deglazing – ASTM E987*			
	Right Sash:	Left Stile - 70 lbf	0.0%	<100%
		Right Stile - 70 lbf	0.0%	<100%
		Top Rail - 50 lbf	0.0%	<100%
		Bottom Rail - 50 lbf	0.0%	<100%

TEST REPORT

ETC Laboratories

Optional Performance Tests

The manufacturer specified herein has successfully achieved all the required criteria in Section 2 of the referenced specification for the Gateway size of the achieved Performance Rating and has further successfully tested the product to higher performance levels as indicated below.

Design Pressure (DP): The product tested herein has been additionally evaluated to the Design Pressure referenced below.

Specification Paragraph	Title of Test	Results	Allowed
4.3	*Water Resistance - ASTM E547* 5 gal/hr-ft^2 – 4 Test cycles – 24 Minutes Design Pressure - 35.0 psf Test Pressure – 5.25 psf (15% x DP) With and Without Screen	Pass	No Leakage
4.4	*Uniform Structural Load - ASTM E330* Design Pressure - 40.0 psf Test Pressure		
	Positive Load – 60.0 psf (150% x DP)	0.069 in.	0.177 in.
	Negative Load – 60.0 psf (150% x DP)	0.066 in.	0.177 in.
	Note: Measurement taken after load from center of meeting stile		

Conditions, Terms, and General Notes Regarding These Tests

The product tested **Has Been** compared to the detailed drawings, bill of materials and fabrication information supplied by the client so named herein. Our analysis, which includes dimensional and component description comparisons, indicate the tested product and engineering information supplied by the client "**Are Equivalent**". **See Appendix A.** The report and representative samples will be retained for four years from the date of initial test.

These test results were obtained by employing all requirements of the designated test methods with no deviations. The test results and specimen supplied for testing are in compliance with the referenced specifications.

The test results are specific to the product tested by this laboratory and of the sample supplied by the client named herein, and they relate to no other product either manufactured by the client, a Fabricator of the client or of installed field performance.

This report does not constitute an AAMA or NWWDA certified product under the certification programs of these organizations. The program administrator of these programs and organizations may only grant product certification.

ETC Laboratories makes no opinions or endorsements regarding this product and its performance. This report may not be reproduced or quoted in partial form without the expressed written approval of ETC Laboratories.

No conclusions of any kind regarding the adequacy of the glass in the test specimen may be drawn from the test. Procedure "A" in ASTM E330 was used for this test.

ETC Laboratories letters, reports, its name or insignia or mark are for the exclusive use of the client so named herein and any other use is strictly prohibited. The report, letters and the name of ETC Laboratories, its seal or mark shall not be used in any circumstance to the general public or in any advertising.

Limitation of Liability: Due diligence was used in rendering this professional opinion. By acceptance of this report, this client agrees to hold harmless and indemnify ETC Laboratories, its employees and offices and owners against all claims and demands of any kind whatsoever, which arise out of or in any manner connected with the performance of work referred to herein.

FOR ETC LABORATORIES

Mark Sennett
AWS Supervisor

Arthur Murray, VP
Manager, Wind Engineering Laboratory

TEST REPORT

ETC Laboratories

Architectural

ELK Premium Roofing

March 6, 2002

Subject: Elk Product Approval Information

All Prestique® and Capstone® products manufactured in Tuscaloosa, AL are certified under the Miami – Dade County Building Code Office (BCCO). These products also meet the requirements for the Florida Building Code since they are MD approved. The following test protocols must be passed by each of the products in order for MD product certification:
ASTM D3462
PA 100 (110 mph uplift and wind driven rain resistance)
PA 107 (Modified ASTM D3161 - 110 mph wind uplift resistance)

The nailing patterns that were used during the PA 100 and PA 107 wind test protocols for the Prestique and Capstone products are listed below. Also listed below are the Miami – Dade Notice of Acceptance Numbers (NOA).

Raised Profile, Prestique High Definition, Prestique 25, or Prestique 30 –
PA 100 = 4 nails
PA 107 = 5 nails
MD NOA# = 01-1226.04

Prestique I 35 or Prestique I* –
PA 100 = 4 nails
PA 107 = 5 nails
MD NOA# = 01-1226.05

Prestique Plus or Prestique Gallery Collection* –
PA 100 = 4 nails
PA 107 = 4 nails
MD NOA# = 01-1226.03

Capstone*
PA 100 = 4 Nails
PA 107 = 4 Nails
MD NOA# = 01-0523.01

* As per the Elk Limited Warranty, six nails are required for the Elk high wind warranty.

If there are any questions please contact:

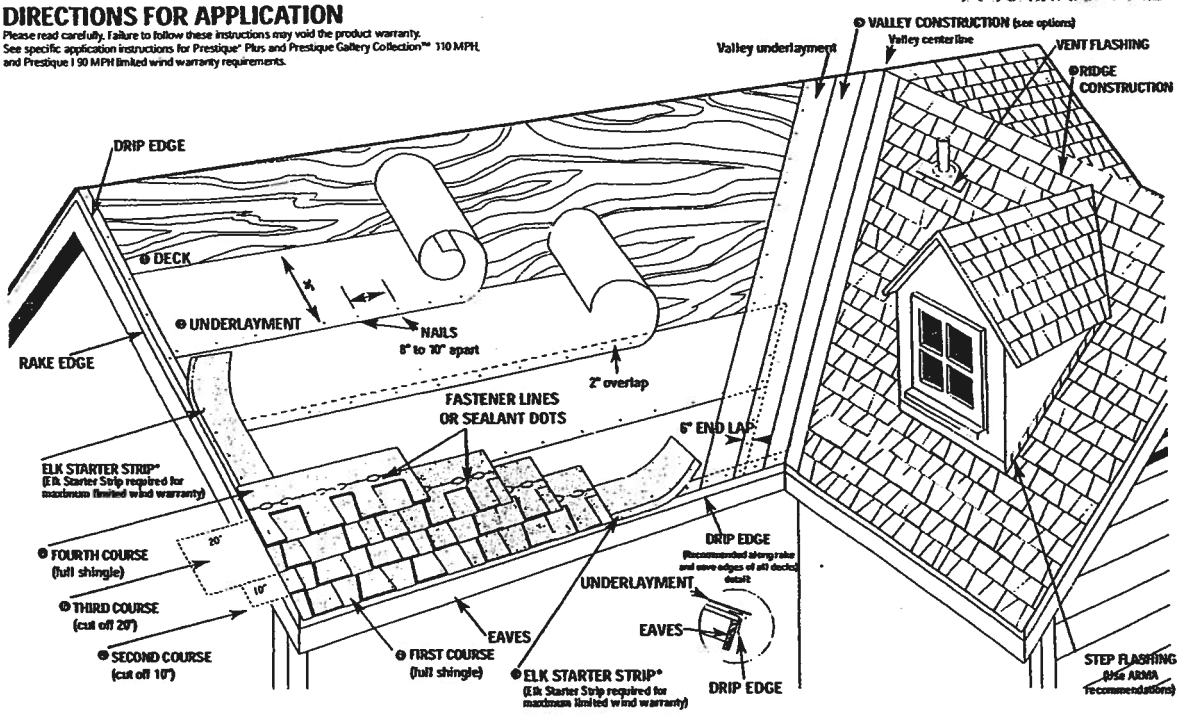
Mike Reed – Technical Manager
(205) 342-0287

or

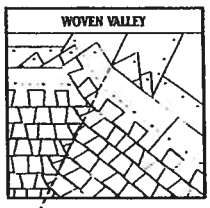
Daniel DeJarnette – QA Engineer
(205) 342-0298

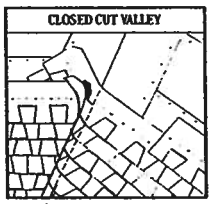
DIRECTIONS FOR APPLICATION

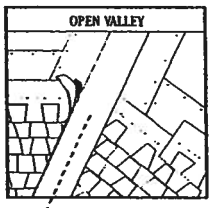
Please read carefully. Failure to follow these instructions may void the product warranty.
See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ 110 MPH and Prestique I 90 MPH limited wind warranty requirements.



⑤ **VALLEY CONSTRUCTION OPTION** (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing Manual.







DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

① DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

② UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Field Service Department for application specifications over other decks and other slopes.

③ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE. With at least 4" trimmed from the end of the first shingle, start at the rake edge overhanging the eave 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side. Shingles may be applied with a course alignment of 45° on the roof.

④ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course.

⑦ SECOND COURSE

Start at the rake with the shingle having 10" trimmed off and continue across roof with full shingles.

⑪ THIRD COURSE

Start at the rake with the shingle having 20" trimmed off and continue across roof with full shingles.

⑫ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof.

⑤ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying 18" metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

⑥ RIDGE CONSTRUCTION

For ridge construction use Class "A" Seal-A-Ridge® with formula *FLX*™ (See ridge package for installation instructions.)

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Always nail or staple through the fastener line or on products without fastener lines, nail or staple between and in line with sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

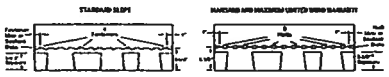
Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

MANSARD APPLICATIONS

Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

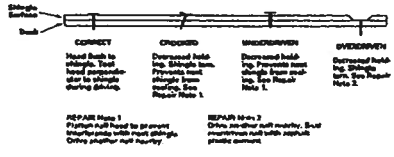
LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.



HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.
All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

ELK
www.elkcorp.com

MEMBER OF The North Central Florida Water Well

Clyatt Well Drilling, Inc.
(Established in 1971)
POST OFFICE BOX 180
WORTHINGTON SPRINGS, FLORIDA 32697

Telephone Number (386)496-2488
FAX Number (386)496-4640

K. Melaine "Red" Clyatt

June 18, 2002

Columbia County Building Department
Post Office Box 1529
Lake City, Florida 32056

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the above-referenced well:

Size of Pump Motor:	1-1/2 Horse Power
Size of Pressure Tank:	220 Gallon Equivalent
Cycle Stop Valve Used:	No

Should you require any additional information, please do not hesitate to contact us.

Respectfully,

CLYATT WELL DRILLING, INC.

K. Melaine "Red" Clyatt
President

MEMBER OF The North Central Florida Water Well

Clyatt Well Drilling, Inc.
(Established in 1971)
POST OFFICE BOX 180
WORTHINGTON SPRINGS, FLORIDA 32697

Telephone Number (386)496-2488
FAX Number (386)496-4640

K. Melaine "Red" Clyatt

PUMP AND TANK SPECIFICATIONS FOR
STANDARD 4" RESIDENTIAL WELLS

PUMPS

1 Horse Power Submersible Pump
20 Gallons Per Minute
Voltage: 240
Phase: (Single) 1

1.5 Horse Power Submersible Pump
25 Gallons Per Minute
Voltage: 240
Phase: (Single) 1

TANK

WF-255 Captive Air Tank
Capacity 81 Gallons
Equivalent 220 Gallons
Draw Down 25 Gallons

SERIES 420/430/440 SLIDING GLASS DOORS

THIS FENESTRATION PRODUCT COMPLIES* WITH THE

NEW FLORIDA BUILDING CODE

FOR RESIDENTIAL BUILDINGS WITH A MEAN ROOF HEIGHT OF 30 FT. OR LESS, EXPOSURE "B" (WHICH IS INLAND OF A LINE THAT IS 1500' FROM THE COAST), AND WALL ZONE "5" (INSTALLED NEAR THE CORNER OF A BUILDING).

PER ASTM E1300, THE CORRECT GLASS THICKNESS, BASED ON THE NEGATIVE DESIGN PRESSURE (DP) LISTED BELOW, HAS BEEN INSTALLED IN THIS UNIT. THE GLASS THICKNESS IS BASED ON ITS' WIDTH, HEIGHT, AND ASPECT RATIO.

STANDARD 6'- 8" HIGH PANELS ARE NON REINFORCED

6'-8" HIGH

2'- 6" WIDE	*DP +54 / -54*
3'- 0" WIDE	*DP +47 / -47*
4'- 0" WIDE	*DP +39 / -39*
5'- 0" WIDE	*DP +35 / -35*

STANDARD 8'- 0" HIGH PANELS ARE STEEL REINFORCED

8'-0" HIGH

2'- 6" WIDE	*DP +57 / -57*
3'- 0" WIDE	*DP +49 / -49*
4'- 0" WIDE	*DP +40 / -40*
5'- 0" WIDE	*DP +35 / -35*

SPECIAL ORDER 6'- 8" HIGH PANELS - WITH STEEL REINFORCEMENT

☐

BOX TO BE CHECKMARKED AT FACTORY IF REINFORCED

2'- 6" WIDE	*DP +71 / -71*
3'- 0" WIDE	*DP +62 / -62*
4'- 0" WIDE	*DP +52 / -52*
5'- 0" WIDE	*DP +46 / -46*

THIS PRODUCT MEETS THE REQUIREMENTS FOR STRUCTURAL LOADS, WATER AND AIR INFILTRATION PER ATTACHED AAMA PERFORMANCE LABEL. BE ADVISED THAT IF LOADS ARE PLACED UP TO OR EXCEEDING THE TESTED LEVELS, THIS PRODUCT MAY BE ALTERED IN SUCH A WAY THAT FUTURE PERFORMANCE WILL BE REDUCED.

* COMPLIANCE MUST INCLUDE INSTALLATION ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND FLORIDA CODE REQUIREMENTS.

MIP-687

NCTL NATIONAL CERTIFIED TESTING LABORATORIES

1464 GEMINI BOULEVARD • ORLANDO, FLORIDA 32837
PHONE (407) 240-1356 • FAX (407) 240-8882

STRUCTURAL PERFORMANCE TEST REPORT

Report No: *NCTL-210-2065-1*
Test Date: *06-21-00*
Report Date: *09-25-00*
Expiration Date: *09-25-04*
Revision Date: *01/31/02*

Client: *MI Home Products*
4314 Route 209
Elizabethville, 17023-8438

Test Specimen: *Better Bilt Aluminum Product's Series "420" Type OXX Aluminum Sliding Glass Door. (SGD-C35)(Single Glazed)(Steel Reinforced)(with and without sill riser).*

Test Method: *AAMA/NWWDA 101/I.S.2-97, "Voluntary Specifications for Aluminum, Vinyl (PVC), and Wood Windows and Glass Doors."*

Revision Note: *Sill leg extension was revised from 1-1/8" to 1-1/4"*

TEST SPECIMEN DESCRIPTION

General: *The sample tested was a three (3) panel type OXX aluminum sliding glass door measuring 15-1-3/4" wide x 8'0-1/8" high overall. The active panel measured 5'0-1/2" wide by 7'11-1/8" high; the fixed panel measured 5'0-7/8" wide by 7'11-1/8" high. Frame and panel member s were not thermally broken. A plastic spacer/guide was used at each panel head/stile corner. The fixed panel was secured to the jamb with two (2) 3" long aluminum angle retainers each fastened to the jamb stile with two (2) (#8 x 3/4") pan head screws. One (1) claw type door lock assembly was located at 40" from the bottom of each active panel lock stile each with two (2) screws. One (1) adjustable metal roller assembly was used at each end of the active bottom rails. The frame was of double screw coped corner construction. Panel corners were of single screw at bottom rail and double screw at the top rail. The interior vertical sill leg employed an extruded aluminum 1-1/4" high extension; an overall height of 2.031. One (1) aluminum panel retainer was fastened at 2" from each of the active panel bottom rail. One (1) extruded aluminum female panel adapter was fastened to the fixed panel but stile with five (5) (#8 x 1/2") screws. One extruded aluminum screen adapter was fastened to the butt stile using five (5) (#8 x 1/2") screws.*

Installation: *The main frame was fastened to the wood test buck using forty-eight (48) (#8 x 1 1/2") FHS. (See fastener diagram.)*

Reinforcement: *One (1) U-shaped glavanized steel reinforcing channel measuring 1-3/4" x 3/4" x 1/16" thick filled the length of the panel adapter stile. One (1) U-shaped galvanized steel reinforcing channel measuring 3/4" x 7/8" x 1/16" thick filled the length of each interlock stile.*

Glazing: *All panels were channel glazed using 3/16" thick clear tempered glass with a flexible vinyl glazing bead.*

Weatherseal: *Double strips of centerfin weatherstrip (0.270" high) were located at each jamb, stile and lock stile. A double strip of centerfin weatherstrip (0.180" high) was located at each interlock stile. A double strip of centerfin weatherstrip (0.250" high) was located at each panel top rail. A double strip of side fin weathrstrip (0.430" high) was located at each panel bottom rail. An adhesive back polypile dust plug measuring 1-3/16" x 13/16" x 0.420" was located on the head and sill at each end of the vertical stile exterior track.*

Weeps: *One (1) weep notch measuring 1-1/2" x leg height was located at each end of the interior sill roller leg, exterior sill roller leg and screen sill roller leg.*

Interior & Exterior Surface Finish: *Non-painted aluminum*

Sealant: *Frame and panel bottom rail corners were sealed with a small-joint sealant.*

Insect Screen: *Two (2) insect screens, one (1) center insect screen measuring 5'0-1/4" wide by 7'11" high; Both were of coped corner construction. The screen employed fiberglass mesh cloth with a hollow vinyl spline. One (1) roller assembly was located at each end of the bottom rails. One (1) claw type lock assembly.*

TEST RESULTS

Par. No.	*Title of Test & Method*		*Measured*	*Allowed*
2.2.1.6.1	*Operating Force*			
	Center Active Panel			
		To open	*20 lbf*	*30 lbf*
		In Motion	*5 lbf*	*30 lbf*
	Right Active Panel			
		To open	*18 lbf*	*30 lbf*
		In Motion	*3 lbf*	*30 lbf*
2.2.1.6.2	*Deglazing - ASTM E987*			
	Center Active Panel			
	Top Rail (50 lbf)		*10.2 % (0.051")*	*<100%*
	Bottom Rail (50 lbf)		*7.8 % (0.039")*	*<100%*
	Left Stile (70 lbf)		*6.0 % (0.030")*	*<100%*
	Right Stile (70 lbf)		*5.4 % (0.027")*	*<100%*

Par. No.	Title of Test & Method	Measured	Allowed
2.2.1.6.2	Deglazing - ASTM E987		
	Right Active Panel		
	Meeting Rail (50 lbf)	8.4 % (0.042")	<100%
	Bottom Rail (50 lbf)	8.4 % (0.042")	<100%
	Left Stile (70 lbf)	8.0 % (0.040")	<100%
	Right Stile (70 lbf)	6.2 % (0.031")	<100%
2.1.2	Air Infiltration 1.57 psf(25mph)	Passed	0.30cfm/ft2
2.1.3	Water Resistance-(5.0GPH/FT/2) WTP=4.50 psf	No entry	No entry
2.1.4.2	Uniform Load Structural - ASTM E330		
	45.0 psf Exterior	0.245"	0.381"
	45.0 psf Interior	0.258"	0.381"

OPTIONAL PERFORMANCE

Par. No.		Title of Test & Method	Measured	Allowed
4.3	*	Water Resistance - ASTM E547 & E331		
		5.0 gph/ft²		
		WTP =5.25 psf	No Entry	No Entry

Note: *At this point in testing, an additional sill riser was attached to the existing main sill's interior vertical leg with the following results being obtained:*

Par. No.		Title of Test & Method	Measured	Allowed
4.3	*	Water Resistance - ASTM E547 & E331		
		5.0 gph/ft²		
		WTP =6.00 psf	No Entry	No Entry
4.4.2		Uniform Load Structural - ASTM E330		
		52.5 psf Exterior	0.379"	0.381"
		52.5 psf Interior	0.380"	0.381"

* *Test performed with and without screen*

TEST COMPLETED07/15/98

Note: *In addition, Better Bilt Auminum Products' Series "430" and "440" also received a SGD-C35 rating being identical in panel construction and interior sill leg heights.*

This test specimen meets the performance criteria level of (SGD-C35) of the AAMA/NWWDA 101/I.S. 2-97 specification. Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four(4) years. The results obtained apply only to the specimen tested.

BETTER BILT ALUMINUM PRODUCTS

FLORIDA DOOR SERIES 420

COMPARATIVE ANALYSIS CHART IN DESIGN PRESSURE

CA980370
07-Jan-2002
98-0801

PANEL WIDTH >>	24	30	36	42	48	54	60
PANEL HEIGHT V							
80	85	71	62	56	52	48	46
96	69	57	49	44	40	37	35

TEST REPORT NOS: NCTL-210-2065-1 & 2
DESIGN PRESSURE ACHEIVED IN TEST: POS. & NEG. 35.0 PSF
WATER TEST PRESSURE: 5.25 PSF (SILL - 1-1/2" HGT.)
6.0 PSF (1-1/2" SILL W/ .500" ADAPTER - 2" HGT. O.A.)
TEST SIZE: 181 3/4" X 96 1/8"
CONFIGURATION TESTED: OXX

GLAZING: 3/16" TEMPERED GLASS
REINFORCING: (1) STL. CHAN. 1-3/4" X 3/4"
X 1/16"@ ADAPTER STILE;
(1) STL. CHAN. 3/4" X 7/8"
X 1/16" @EA. INTRLK. STILE

LIMITATIONS:
THE ABOVE VALUES ARE STRUCTURAL DESIGN LOADS & HAVE NOT BEEN CAPPED BY WATER PERFORMANCE.
WATER PRESSURE REQUIREMENT OF 15% OF DESIGN LOAD APPLIES, POSITIVE DESIGN LOADS WOULD BE LIMITED TO 35 PSF W/ 1-1/2" SILL & 40 PSF W/ 2" SILL.
PANEL WIDTHS AND HEIGHTS ARE NOMINAL.

PREPARED BY:
PRODUCT & APPLICATION ENGINEERING, INC.
250 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0365 FAX 407 805-0366

MANUEL MARTINEZ CERTIFICATE NO. 47182 STATE OF FLORIDA REGISTERED ENGINEER

02-13-01

BETTER BILT ALUMINUM PRODUCTS

FLORIDA DOOR SERIES 420

COMPARATIVE ANALYSIS CHART IN DESIGN PRESSURE

CA980371
07-Jan-2002
98-0801

PANEL WIDTH >>	24	30	36	42	48	54	60
PANEL HEIGHT V							
80	64	54	47	42	39	37	35

TEST REPORT NOS: NCTL-210-2065-4 & 3
DESIGN PRESSURE: POS. & NEG. 35.0 PSF
WATER TEST PRESSURE: 5.25 PSF (SILL - 1-1/2" HGT.)
6.0 PSF (1-1/2" SILL W/ 1/2" ADAPTER - 2" HGT. O.A.)

TEST SIZE: 181 3/4" X 82 1/8"
GLAZING: 3/16" TEMPERED GLASS
REINFORCING: NONE
CONFIGURATION TESTED: OXX

LIMITATIONS:
THE ABOVE VALUES ARE STRUCTURAL DESIGN LOADS & HAVE NOT BEEN CAPPED BY WATER PERFORMANCE.
WATER PRESSURE REQUIREMENT OF 15% OF DESIGN LOAD APPLIES, POSITIVE DESIGN LOADS WOULD BE LIMITED TO 35 PSF W/ 1-1/2" SILL & 40 PSF W/ 2" SILL.
PANEL WIDTHS AND HEIGHTS ARE NOMINAL (IN INCHES).

PREPARED BY:
PRODUCT & APPLICATION ENGINEERING, INC.
250 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0365 FAX 407 805-0366

MANUEL MARTINEZ
CERTIFICATE NO. 47136
STATE OF FLORIDA
REGISTERED ENGINEER

024

ITS Intertek Testing Services

Test Data Review Certificate

Certificate #3026447A

This certifies that Intertek Testing Services/ETL Semko has reviewed structural load test data and documentation supplied by Masonite/Premdor Exterior Door Products on the product lines indicated below to determine the appropriate design load and impact ratings as specified by Miami-Dade County, Florida Protocol PA201, PA202 and PA203.

The data supplied was reviewed for applicability in support of the data contained in the Masonite/Premdor Product Performance Data Manual for the product line and product models indicated below. ITS/ETL Semko certifies that the test reports provided are consistent with the Masonite Certificate of Performance sheets (COP's) contained in the product performance data manual specified herein. The attached Masonite/Premdor COP/Test Report Validation Matrices (uniquely numbered by product model) provides correlation information for each product model reviewed indicating the test lab, report number(s), product size and installation information and ratings for design load and applicability of the large missile impact test. All applicable COP's and Matrices must bear the Warnock Hersey verification stamp .

Product Line: **Johnson Entry Doors**

Product Models:

Wood-Edge Steel Door Units	**(Matrix #3026447A-001)**
Metal-Edge Steel Door Units	**(Matrix #3026447A-002)**
Fiberglass Door Units	**(Matrix #3026447A-003)**

ITS/ETL-Semko has no direct knowledge of the tests conducted and has made no attempt to verify the accuracy or correctness of the data submitted. The review conducted was only to determine that the manufacturer's claims as represented in the COP's are correct representations of the data supplied from the laboratories. ITS/ETL Semko's review was for structural performance results only and did not include review of air infiltration or water penetration test results.

ISSUED: 6-14-02

Revision Date: June 14, 2002
Supersedes Certificate #3026447
Issued June 6, 2002

BY: _____
Jim Turgeson, Project Manager

ITS Intertek Testing Services

Test Data Review Certificate

Certificate #3026447A

This certifies that Intertek Testing Services/ETL Semko has reviewed structural load test data and documentation supplied by Masonite/Premdor Exterior Door Products on the product lines indicated below to determine the appropriate design load and impact ratings as specified by Miami-Dade County, Florida Protocol PA201, PA202 and PA203.

The data supplied was reviewed for applicability in support of the data contained in the Masonite/Premdor Product Performance Data Manual for the product line and product models indicated below. ITS/ETL Semko certifies that the test reports provided are consistent with the Masonite Certificate of Performance sheets (COP's) contained in the product performance data manual specified herein. The attached Masonite/Premdor COP/Test Report Validation Matrices (uniquely numbered by product model) provides correlation information for each product model reviewed indicating the test lab, report number(s), product size and installation information and ratings for design load and applicability of the large missile impact test. All applicable COP's and Matrices must bear the Warnock Hersey verification stamp .

Product Line: **Johnson Entry Doors**

Product Models:

Wood-Edge Steel Door Units	**(Matrix #3026447A-001)**
Metal-Edge Steel Door Units	**(Matrix #3026447A-002)**
Fiberglass Door Units	**(Matrix #3026447A-003)**

ITS/ETL-Semko has no direct knowledge of the tests conducted and has made no attempt to verify the accuracy or correctness of the data submitted. The review conducted was only to determine that the manufacturer's claims as represented in the COP's are correct representations of the data supplied from the laboratories. ITS/ETL Semko's review was for structural performance results only and did not include review of air infiltration or water penetration test results.

ISSUED: 6-14-02

Revision Date: June 14, 2002
Supersedes Certificate #3026447
Issued June 6, 2002

BY: _____
Jim Turgeson, Project Manager

Johnson™ EntrySystems

COP/Test Report Validation Matrix #3026447A-001

WOOD-EDGE STEEL DOORS

COP# (WL-)	Config.	Swing (I/O)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type[1]	+DP (psf)	-DP (psf)	Impact Appr'd	Ref. Test Reports[2] (NCTL-210-)	Ref. Eval. Report (NCTL-210-)	Ass'y Detail (MAD-WL-MA)	Intall Detail (MID-WL-MA)
JH4101-02	X	I	36 x 80	1	36 x 80	0	66.0	66.0	Y	2185 1-3	-	0001-02	0001-02
JH4102-02	XX	I	72 x 80	1, 2	36 x 80	0	45.0	45.0	Y	1905 7-12; 1861 4-6, 10-12, 2185 1-3	2794-1	0002-02	0002-02
JH4103-02	XO/OX	I	50 x 80	1	36 x 80	0	57.0	57.0	Y	1880 7, 9, 10, 12; 1861 4-6, 10-12; 2185 1-3	2794-1	0003-02; 0006/0041-02	0003-02
				SL	14 x 80	IG	57.0	57.0	N				
JH4104-02	OXO	I	108 x 80	1	30 x 80	0			Y	1905 7-12; 1861 4-6, 10-12; 1880 7, 9, 10, 12; 2185 1-3	2794-1	0004-02; 0007/0041-02	0004-02
				SL	14 x 80	IG	57.0	57.0	N				
				SL	36 x 80	IG	45.0	45.0	N				
JH4105-02	OXXO	I	144 x 80	1, 2	36 x 80	0	45.0	45.0	Y	1905 7-12; 1861 4-6, 10-12; 1885 1-3	2794-1	0005/0041-02	0005-02
				SL	36 x 80	IG	45.0	45.0	N				
JH4121-02	X	O	36 x 80	1	36 x 80	0	66.0	66.0	Y	2178 1-3	-	0011-02	0001-02
JH4122-02	XX	O	72 x 80	1, 2	36 x 80	0	45.0	45.0	Y	1905 7-12; 1864 4-8; 2178 1-3	2794-1	0012-02	0002-02
JH4123-02	XO/OX	O	50 x 80	1	36 x 80	0	57.0	57.0	Y	1880 7, 9, 10, 12; 1864 4-8, 10-12; 2178 1-3	2794-1	0013-02 0016/0041-02	0003-02
				SL	14 x 80	IG	57.0	57.0	N				
JH4124-02	OXO	O	108 x 80	1	36 x 80	0			Y	1905 7-12; 1864 5-8; 1880 7-12; 2178 1-3	2794-1	0014-02; 0017/0041-02	0004-02
				SL	14 x 80	IG	57.0	57.0	N				
				SL	36 x 80	IG	45.0	45.0	N				
JH4125-02	OXXO	O	144 x 80	1, 2	36 x 80	0	45.0	45.0	Y	1905 7-12; 1864 5-8; 2178 1-3	2794-1	0015-02; 0018/0041-02	0005-02
				SL	36 x 80	IG	45.0	45.0	N				
JH4141-02	X	I	36 x 80	1	36 x 80	IG	40.5	40.5	N	1897 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0001/0041-02	0001-02
JH4142-02	XX	I	72 x 80	1, 2	36 x 80	IG	40.5	40.5	N	1897 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0002/0041-02	0002-02
JH4143-02	XO/OX	I	72 x 80	1	36 x 80	IG	40.5	40.5	N	1897 2-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0003-02; 0008/0041-02	0003-02
				SL	36 x 80	IG	40.5	40.5	N				
JH4144-02	OXO	I	108 x 80	1	36 x 80	IG	40.5	40.5	N	1897 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0004-02; 0007/0041-02	0004-02
				SL	36 x 80	IG	40.5	40.5	N				
JH4145-02	OXXO	I	144 x 80	1, 2	36 x 80	IG	40.5	40.5	N	1897 7-12; 1861 4-6, 10-12; 2185 1-3	2794-1	0005-02; 0008/0041-02	0005-02
				SL	36 x 80	IG	40.5	40.5	N				

[1] O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
[2] tested in accordance with Metro-Dade Protocols PA201, PA202 and PA203

VERIFIED BY:
Warnock Hersey
June 14, 2002

COP/MAD/MID sheets referenced in this matrix provides additional information – available from the Masonite website (www.masonite.com) or the Masonite technical center.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

ITS Intertek Testing Services

Johnson™ EntrySystems

COP/Test Report Validation Matrix #3026447A-002

METAL-EDGE STEEL DOORS

COP# (WL-)	Config.	Swing (I/O)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type[2]	+DP (psi)	-DP (psi)	Impact Appr'd	Ref. Test Reports[1] (NCTL-210-)	Ref. Eval. Report (NCTL-210-)	Ass'y Detail (MAD-WL-MA)	Intall Detail (MID-WL-MA)
JH3101-02	X	I	36 x 80	1	36 x 80	O	76.0	76.0	Y	2185 1-3	2794-1	0001-02	0001-02
JH3102-02	XX	I	72 x 80	1, 2	36 x 80	O	55.0	55.0	Y	1905 1-6; 1861 1-3, 7-9, 2183 1-3	2794-1	0002-02	0002-02
JH3103-02	XO/OX	I	50 x 80	1	36 x 80	O	76.0	76.0	Y	1880 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0003-02; 0006/0041-02	0003-02
				SL	14 x 80	IG	76.0	76.0	N				
JH3104-02	OXO	I	108 x 80	1	30 x 80	O			Y	1905 1-6; 1861 1-3, 7-9; 1880 1-6; 2183 1-3	2794-1	0004-02; 0007/0041-02	0004-02
				SL	14 x 80	IG	76.0	76.0	N				
				SL	36 x 80	IG	55.0	55.0	N				
JH3105-02	OXXO	I	144 x 80	1, 2	36 x 80	O	55.0	55.0	Y	1905 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0005-02; 0008/0041-02	0005-02
				SL	38 x 80	IG	55.0	55.0	N				
JH3106-02	X	I	36 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0001-02	0001-02
JH3107-02	XX	I	72 x 96	1, 2	36 x 96	O	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0002-02	0002-02
JH3108-02	XO/OX	I	72 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0003-02; 0016/0041-02	0003-02
				SL	36 x 96	IG	48.3	48.3	N				
JH3109-02	OXO	I	108 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0004-02; 0007/0041-02	0004-02
				SL	36 x 96	IG	48.3	48.3	N				
JH3110-02	OXXO	I	144 x 96	1, 2	36 x 96	O	48.3	48.3	Y	1980 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0005-02	0005-02
				SL	36 x 80	IG	48.3	48.3	N				
JH3121-02	X	O	36 x 80	1	36 x 80	O	76.0	76.0	Y	2184 1-3	-	0011-02	0001-02
JH3122-02	XX	O	72 x 80	1, 2	36 x 80	O	55.0	55.0	Y	1905 1-6; 1864 1-4; 2184 1-3	2794-1	0012-02	0002-02
JH3123-02	XO/OX	O	50 x 80	1	36 x 80	O	76.0	76.0	Y	1880 1-6; 1864 1-4; 2184 1-3	2794-1	0013-02; 0016/0014-02	0003-02
				SL	14 x 80	IG	76.0	76.0	N				
JH3124-02	OXO	O	100 x 80	1	36 x 80	O			Y	1880 1-6; 1864 1-4; 1905 1-6; 2184 1-3	2794-1	0014-02; 0017/0041-02	0004-02
				SL	14 x 80	IG	76.0	76.0	N				
				SL	30 x 80	IG	55.0	55.0	N				
JH3125-02	OXXO	O	144 x 80	1, 2	36 x 80	O	55.0	55.0	Y	1905 1-6; 1864 1-4; 2184 1-3	2794-1	0015-02; 0018/0041-02	0005-02
				SL	36 x 80	IG	55.0	55.0	N				
JH3126-02	X	O	36 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0011-02	0001-02
JH3127-02	XX	O	72 x 96	1, 2	36 x 96	O	48.3	48.3	Y	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0012-02	0002-02

[1] O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
[2] tested in accordance with Metro-Dade Protocols PA201, PA202 and PA203

VERIFIED BY:
Warnock Hersey
June 14, 2002

COP/MAD/MID sheets referenced in this matrix provides additional information – available from the Masonite website (www.masonite.com) or the Masonite technical center.

PREMDOR Collection Premium Quality Doors
Exclusively from Masonite®
Masonite International Corporation

ITS Intertek Testing Services

Johnson™ EntrySystems

COP/Test Report Validation Matrix
#3026447A-002

METAL-EDGE STEEL DOORS

COP# (WL-)	Config.	Swing (I/O)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type[1]	+DP (psf)	-DP (psf)	Impact Appr'd	Ref. Test Reports[2] (NCTL-210-)	Ref. Eval. Report (NCTL-210-)	Ass'y Detail (MAD-WL-MA)	Intail Detail (MID-WL-MA)
JH3128-02	XO/OX	O	72 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0013-02; 0016/0041-02	0003-02
				SL	36 x 96	IG	48.3	48.3	N				
JH3129-02	OXO	O	108 x 96	1	36 x 96	O	48.3	48.3	Y	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0014-02; 0017/0041-02	0004-02
				SL	36 x 96	IG	48.3	48.3	N				
JH3130-02	OXXO	O	144 x 96	1, 2	36 x 96	O	48.3	48.3	Y	1980 1-6; 1864 1-4; 2184 1-3	2794-1	0015-02; 0018/0041-02	0005-02
				SL	36 x 96	IG	48.3	48.3	N				
JH3141-02	X	I	36 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0001/0041-02	0001-02
JH3142-02	XX	I	72 x 80	1, 2	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0002/0041-02	0002-02
JH3143-02	XO/OX	I	72 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0003-02; 0006/0041-02	0003-02
				SL	30 x 80		50.5	50.5	N				
JH3144-02	OXO	I	108 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0004-02; 0007/0041-02	0004-02
				SL	36 x 80		50.5	50.5	N				
JH3145-02	OXXO	I	144 x 80	1, 2	36 x 80	IG	50.5	50.5	N	1897 1-6; 1861 1-3, 7-9; 2183 1-3	2794-1	0005-02; 0008/0041-02	0005-02
				SL	36 x 80		50.5	50.5	N				
JH3146-02	X	I	36 x 96	1	36 x 96	IG	43.0	45.0	N	1897 1-12; 1861 1-3, 7-9; 2183 1-3	2794-1	0001/0041-02	0001-02
JH3147-02	XX	I	72 x 96	1, 2	36 x 96	IG	43.0	45.0	N	1897 1-12; 1861 1-3, 7-9; 2183 1-3	2794-1	0002/0041-02	0002-02
JH3161-02	X	O	36 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0011/0041-02	0001-02
JH3162-02	XX	O	72 x 80	1, 2	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0012/0041-02	0002-02
JH3163-02	XO/OX	O	72 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0013-02; 0016/0041-02	0003-02
				SL	36 x 80	IG	50.5	50.5	N				
JH3164-02	OXO	O	108 x 80	1	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0014-02; 0017/0041-02	0004-02
				SL	36 x 80	IG	50.5	50.5	N				
JH3165-02	OXXO	O	144 x 80	1, 2	36 x 80	IG	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2794-1	0015-02; 0018/0041-02	0005-02
				SL	36 x 80	IG	50.5	50.5	N				
JH3166-02	X	O	36 x 96	1	36 x 96	IG	43.0	43.0	N	1897 1-12; 1864 1-4, 7-9; 2184 1-3	2794-1	0011-02	0001-02
JH3167-02	XX	O	72 x 96	1, 2	36 x 96	IG	43.0	45.0	N	1897 1-12; 1864 1-4, 7-9; 2184 1-3	2794-1	0012/0041-02	0002-02

[1] O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
[2] tested in accordance with Metro-Dade Protocols PA201, PA202 and PA203

VERIFIED BY:
Warnock Hersey
June 14, 2002

COP/MAD/MID sheets referenced in this matrix provides additional information – available from the Masonite website (www.masonite.com) or the Masonite technical center.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

ITS Intertek Testing Services

Johnson™ EntrySystems

COP/Test Report Validation Matrix #3026447A-003

FIBERGLASS DOORS

COP# (WL-)	Config.	Swing (I/O)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type[1]	+DP (psf)	-DP (psf)	Impact Appr'd	Ref. Test Reports[2]	Ass'y Detail (MAD-WL-MA)	Intail Detail (MID-WL-MA)
MA0101-02	X	I	36 x 80	1	36 x 80	O	76.0	76.0	N	NCTL 210-1973 1-3	0001-02	0001-02
MA0102-02	XX	I	72 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0002-02	0002-02
MA0103-02	XO/OX	I	50 x 80	1	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0003/0006/0041-02	0003-02
				SL	14 x 80	IG	55.0	55.0	N			
MA0104-02	OXO	I	64 x 80	1	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0004/0007/0041-02	0004-02
				SL	14 x 80	IG	55.0	55.0	N			
MA0105-02	OXXO	I	100 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0005/0008/0041-02	0005-02
				SL	14 x 80	IG	55.0	55.0	N			
MA0106-02	X	I	36 x 96	1	36 x 96	O	70.0	70.0	N	CTLA-772W	0001-02	0001-02
MA0107-02	XX	I	72 x 96	1, 2	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0002-02	0002-02
MA0108-02	XO/OX	I	50 x 96	1	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0003/0006/0041-02	0003-02
				SL	14 x 96	IG	55.0	55.0	N			
MA0109-02	OXO	I	64 x 96	1	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0004/0007/0041-02	0004-02
				SL	14 x 96	IG	55.0	55.0	N			
MA0110-02	OXXO	I	100 x 96	1, 2	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0005/0014-02	0005-02
				SL	14 x 80	IG	55.0	55.0	N			
MA0121-02	X	O	36 x 80	1	36 x 80	O	76.0	76.0	N	NCTL 210-1973 1-3	0011-02	0001-02
MA0122-02	XX	O	72 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0012-02	0002-02
MA0123-02	XO/OX	O	50 x 80	1	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0013/0016/0014-02	0003-02
				SL	14 x 80	IG	55.0	55.0	N			
MA0124-02	OXO	O	64 x 80	1	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0014/0017/0041-02	0004-02
				SL	14 x 80	IG	55.0	55.0	N			
MA0125-02	OXXO	O	100 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2	0015/0018/0041-02	0005-02
				SL	14 x 80	IG	55.0	55.0	N			
MA0126-02	X	O	36 x 96	1	36 x 96	O	70.0	70.0	N	CTLA-772W	0011-02	0001-02
MA0127-02	XX	O	72 x 96	1, 2	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0012-02	0002-02
MA0128-02	XO/OX	O	50 x 96	1	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0013/0016/0041-02	0003-02
				SL	14 x 96	IG	55.0	55.0	N			
MA0129-02	OXO	O	64 x 96	1	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0014/0017/0041-02	0004-02
				SL	14 x 96	IG	55.0	55.0	N			
MA0130-02	OXXO	O	100 x 96	1, 2	36 x 96	O	55.0	55.0	N	CTLA-772W-1	0015/0018/0041-02	0005-02
				SL	14 x 96	IG	55.0	55.0	N			

[1] O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
[2] tested in accordance with Metro-Dade Protocols PA201, PA202 and PA203

VERIFIED BY:
Warnock Hersey
June 14, 2002

COP/MAD/MID sheets referenced in this matrix provides additional information – available from the Masonite website (www.masonite.com) or the Masonite technical center.

PREMDOOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

ITS Intertek Testing Services

Johnson™ EntrySystems

COP/Test Report Validation Matrix #3026447A-003

FIBERGLASS DOORS

COP# (WL-)	Config.	Swing (I/O)	Max. Overall Size (ins.)	Leaf#	Nominal Max. Leaf Size (ins.)	Glazing Type[1]	+DP (psf)	-DP (psf)	Impact Appr'd	Ref. Test Reports[2]	Ass'y Detail (MAD-WL-MA)	Intall Detail (MID-WL-MA)
MA0141-02	X	I	36 x 80	1	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0001/0041-02	0001-02
MA0142-02	XX	I	72 x 80	1, 2	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0002/0041-02	0002-02
MA0143-02	XO/OX	I	72 x 80	1	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0003/0006/0041-02	0003-02
				SL	36 x 80	IG	52.0	52.0	N			
MA0144-02	OXO	I	108 x 80	1	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0004/0007/0041-02	0004-02
				SL	36 x 80	IG	52.0	52.0	N			
MA0145-02	OXXO	I	144 x 80	1, 2	36 x 80	IG	52.0	52.0	N	CTLA-805W-2	0005/0008/0041-02	0005-02
				SL	36 x 80	IG	52.0	52.0	N			
MA0146-02	X	I	36 x 96	1	36 x 96	IG	40.0	40.0	N	CTLA-805W	0001/0041-02	0001-02
MA0147-02	XX	I	72 x 96	1, 2	36 x 96	IG	40.0	40.0	N	CTLA-805W	0002/0041-02	0002-02
MA0148-02	XO/OX	I	72 x 96	1	36 x 96	IG	40.0	40.0	N	CTLA-805W	0003/0006/0041-02	0003-02
				SL	36 x 96	IG	40.0	40.0	N			
MA0149-02	OXO	O	108 x 96	1	36 x 96	IG	40.0	40.0	N	CTLA-805W	0004/0007/0041-02	0004-02
				SL	36 x 96	IG	40.0	40.0	N			
MA0150-02	OXXO	I	144 x 96	1, 2	36 x 96	IG	40.0	40.0	N	CTLA-805W	0005/0007/0041-02	0005-02
				SL	36 x 96	IG	40.0	40.0	N			
MA0161-02	X	O	36 x 80	1	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0011/0041-02	0001-02
MA0162-02	XX	O	72 x 80	1, 2	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0012/0041-02	0002-02
MA0163-02	XO/OX	O	72 x 80	1	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0013/0016/0041-02	0003-02
				SL	36 x 80	IG	55.0	55.0	N			
MA0164-02	OXO	O	108 x 80	1	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0014/0017/0041-02	0004-02
				SL	36 x 80	IG	55.0	55.0	N			
MA0165-02	OXXO	O	144 x 80	1, 2	36 x 80	IG	55.0	55.0	N	CTLA-805W-2	0015/0018/0041-02	0005-02
				SL	36 x 80	IG	55.0	55.0	N			
MA0166-02	X	O	36 x 96	1	36 x 96	IG	47.0	47.0	N	CTLA-805W	0011/0041-02	0001-02
MA0167-02	XX	O	72 x 96	1, 2	36 x 96	IG	47.0	47.0	N	CTLA-805W	0012/0041-02	0002-02
MA0168-02	XO/OX	O	72 x 96	1	36 x 96	IG	47.0	47.0	N	CTLA-805W	0013/0016/0041-02	0003-02
				SL	36 x 96	IG	47.0	47.0	N			
MA0169-02	OXO	O	108 x 96	1	36 x 96	IG	47.0	47.0	N	CTLA-805W	0014/0017/0041-02	0004-02
				SL	36 x 96	IG	47.0	47.0	N			
MA0170-02	OXXO	O	144 x 96	1, 2	36 x 96	IG	47.0	47.0	N	CTLA-805W	0015/0018/0041-02	0005-02

[1] O=opaque; IG=insulating glass with minimum 1/8" tempered glazing
[2] tested in accordance with Metro-Dade Protocols PA201, PA202 and PA203

VERIFIED BY:
Warnock Hersey
June 14, 2002

COP/MAD/MID sheets referenced in this matrix provides additional information – available from the Masonite website (www.masonite.com) or the Masonite technical center.

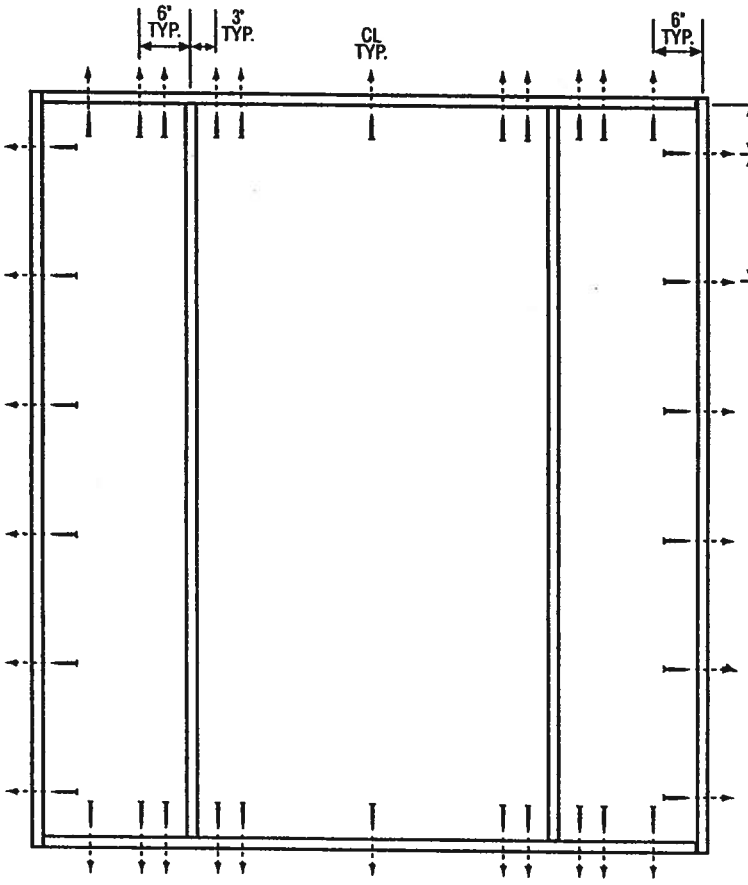
PREMDOR Collection Premium Quality Doors
Exclusively from Masonite®
Masonite International Corporation

ITS Intertek Testing Services

OXO
Unit

MID-WL-MA0004-02

SINGLE DOOR WITH 2 SIDELITES



Minimum Fastener Count

- 6 per vertical framing member
- 11 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3244*, 3249, 3264* or 3269**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

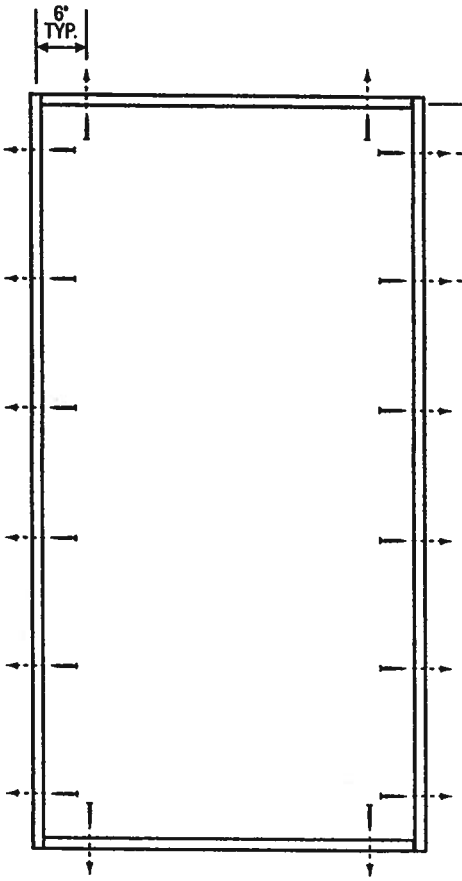
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

June 17, 2002

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etisemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3146, 3166, 3241*, 3246, 3251* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

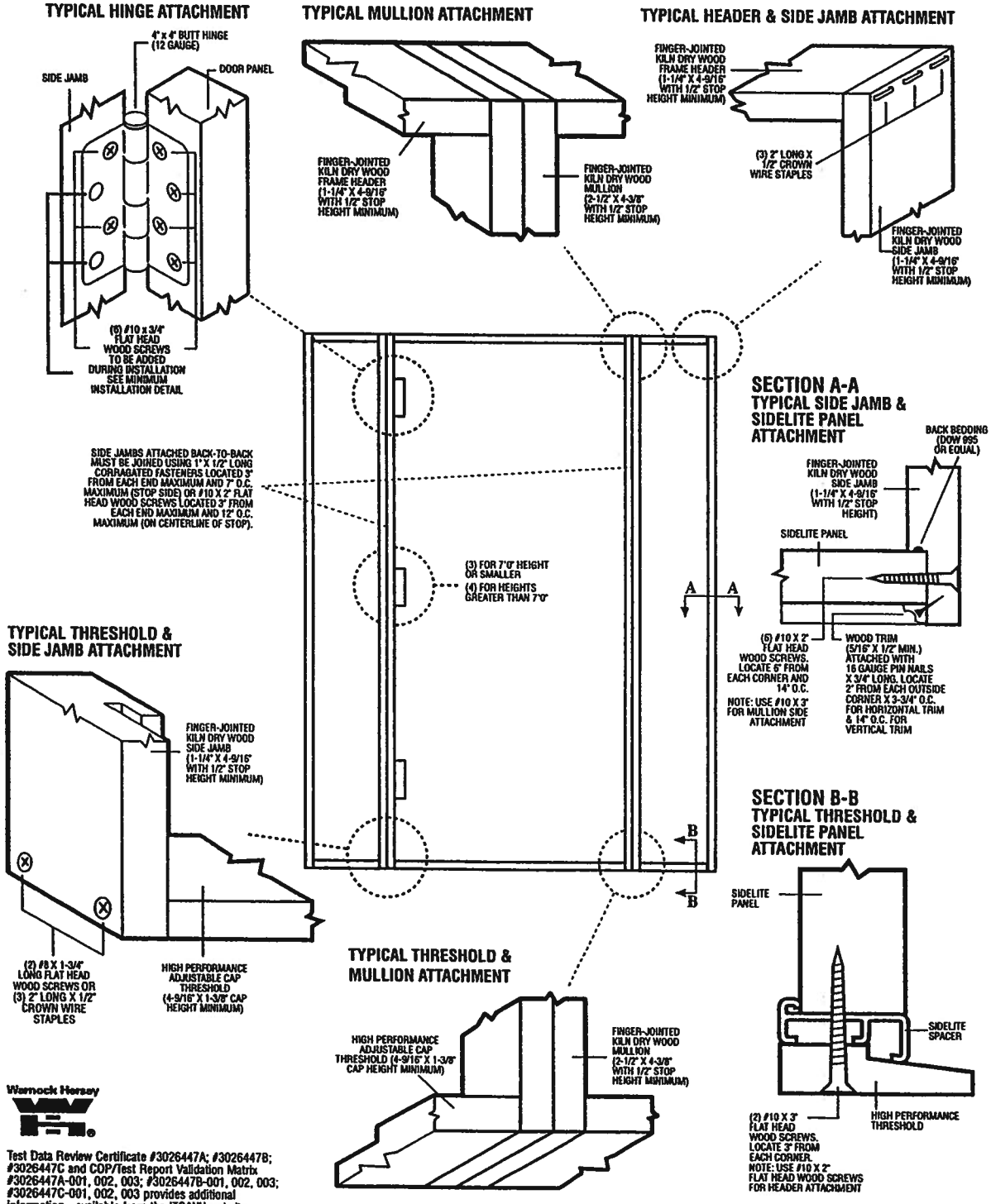
Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

OXO
Unit

MAD-WL-MA0007-02

INSWING UNIT WITH SINGLE DOOR & TWO SIDELITES (BOXED CONSTRUCTION)

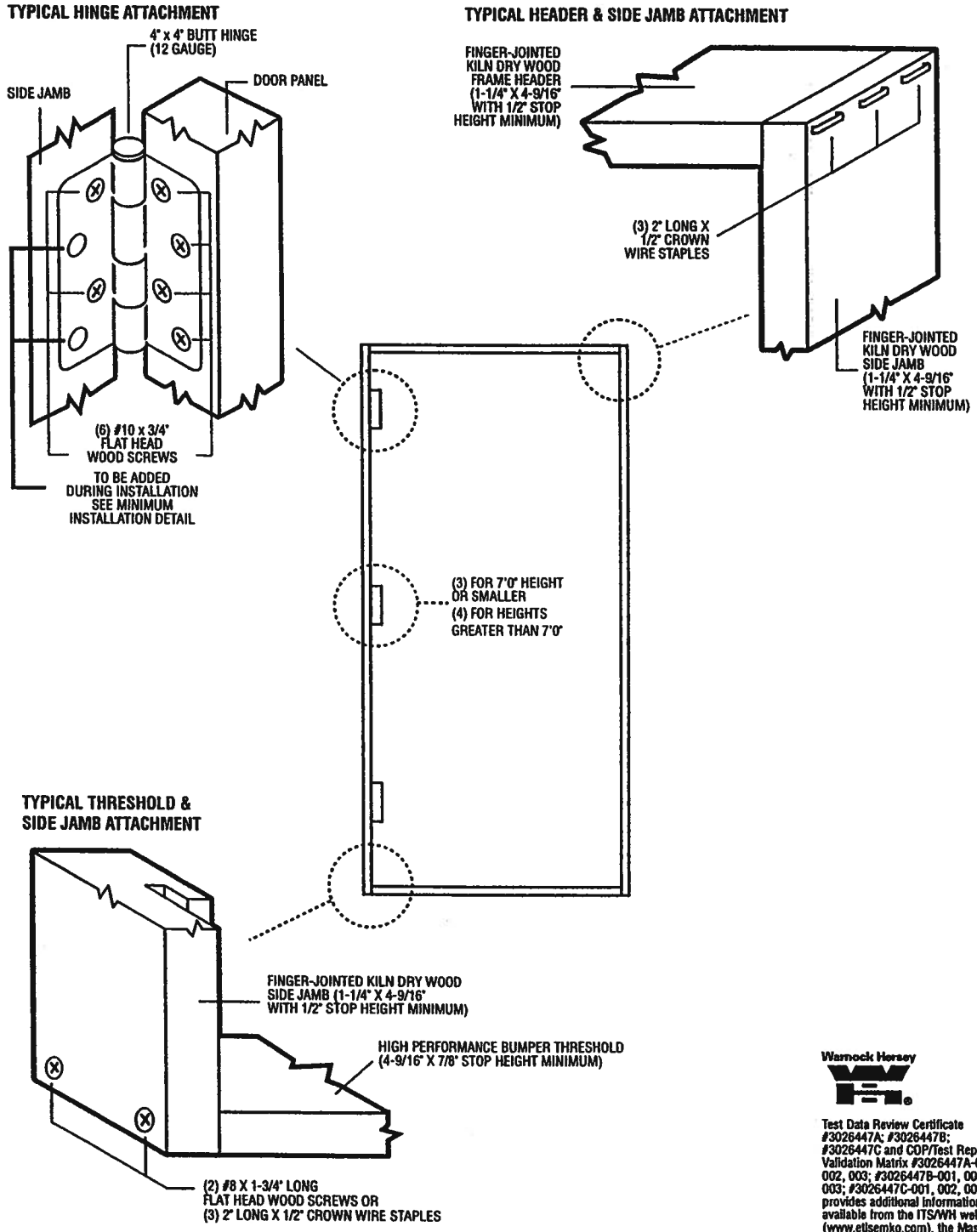


Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

June 17, 2002

OUTSWING UNITS WITH SINGLE DOOR



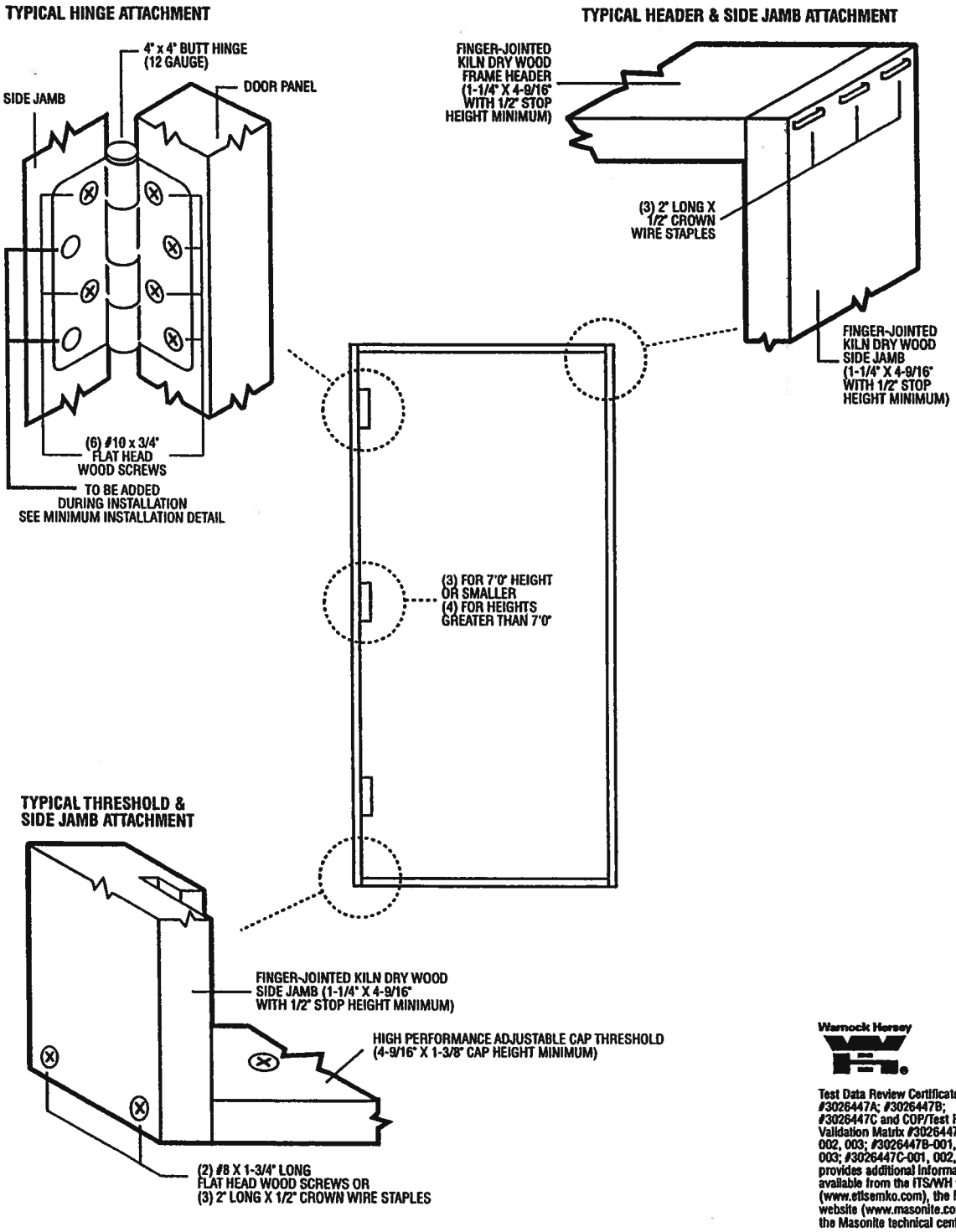
Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and CDP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

X
Unit

MAD-WL-MA0001-02

INSWING UNIT WITH SINGLE DOOR



Warnock Hersey

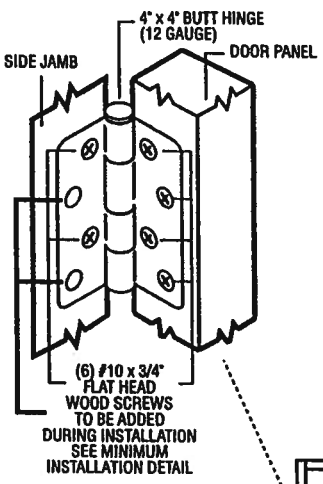
Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

XX
Unit

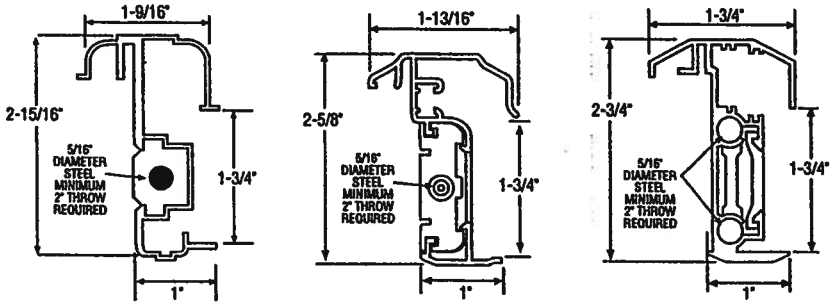
MAD-WL-MA0002-02

INSWING UNIT WITH DOUBLE DOOR

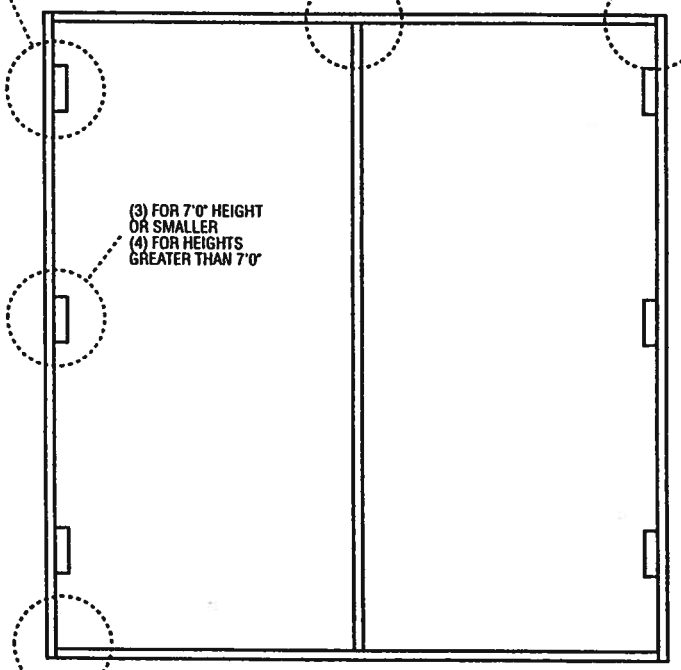
TYPICAL HINGE ATTACHMENT



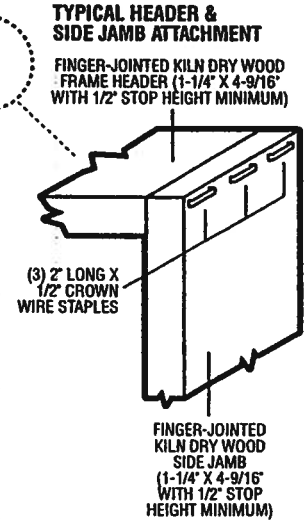
TYPICAL ASTRAGAL PROFILES



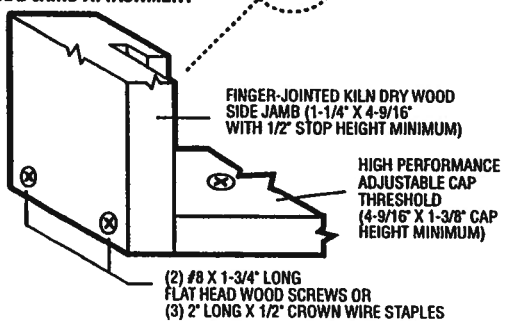
ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

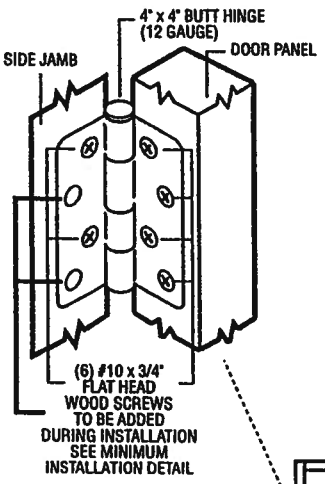
June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

XX
Unit

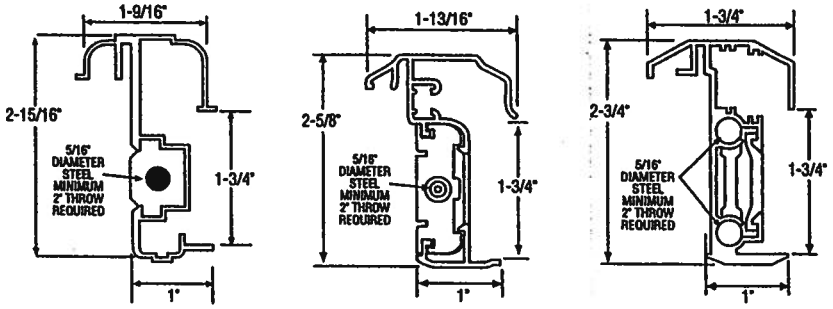
MAD-WL-MA0002-02

INSWING UNIT WITH DOUBLE DOOR

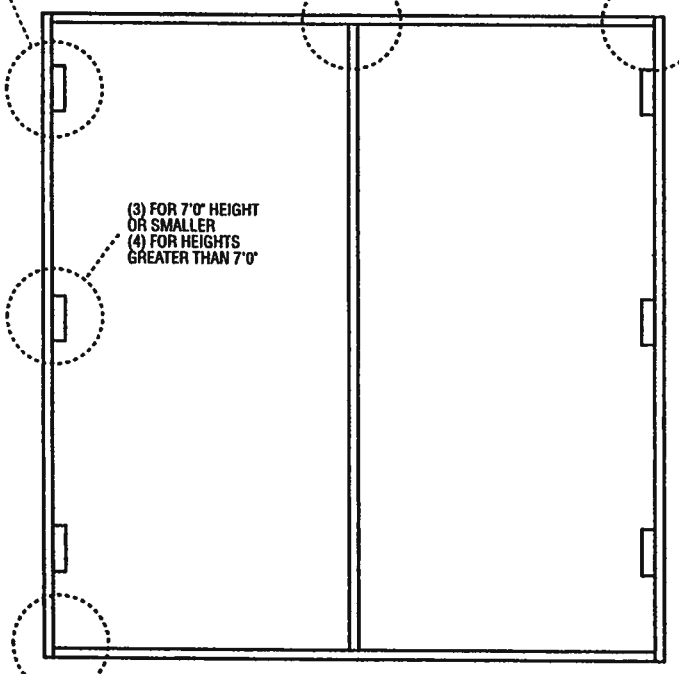
TYPICAL HINGE ATTACHMENT



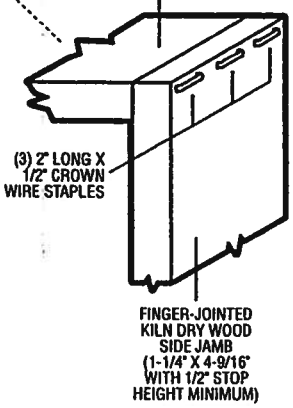
TYPICAL ASTRAGAL PROFILES



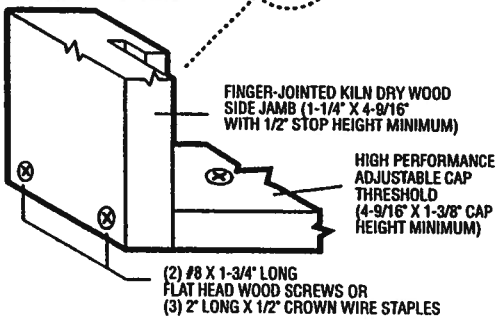
ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



Warnock Hersey

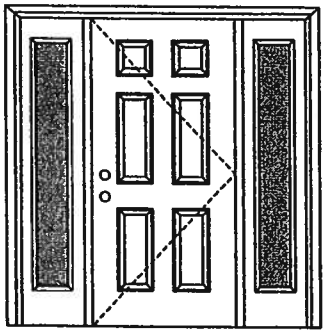
Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

OXO
Opaque Inswing Unit

COP-WL-JH4104-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etisemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Single Door with 2 Sidelites
Maximum unit size = 9'0" x 6'8"

Design Pressure

+57.0/-57.0 with maximum sidelite panel width of 1'2"
+45.0/-45.0 with maximum sidelite panel width of 3'0"
limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED on opaque panels, but is required on glazed panels.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

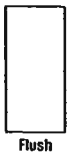
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0004-02.

APPROVED DOOR STYLES:


Flush


Arch Top 3-panel


3-panel


6-panel


New England 4-panel


Eyebrow 4-panel


8-panel


9-panel


15-panel


5-panel


5-panel with scroll


Eyebrow 5-panel


Eyebrow 5-panel with scroll

Johnson™ EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR® Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

OXO
Opaque Inswing Unit

COP-WL-JH4104-02

WOOD-EDGE STEEL DOORS

APPROVED SIDELITE STYLES:


680 Series


129 Series


200 Series


12R, 12L, 23R, 23L, 24R, 24L Series


450 Series


152 Series


149 Series


109 Series


120, 122 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL-210-1880-7, 9, 10, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthz

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

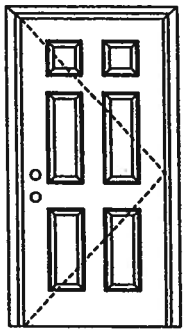
Exclusively from Masonite®
Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:


Flush

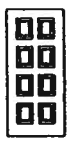

Arch Top 3-panel


3-panel


6-panel


New England 4-panel


Eyebrow 4-panel


8-panel


9-panel


15-panel


5-panel


5-panel with scroll


Eyebrow 5-panel


Eyebrow 5-panel with scroll

Johnson™ EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

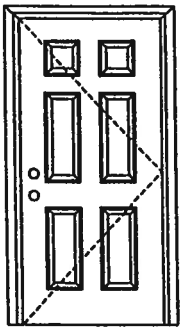
Exclusively from Masonite®
Masonite International Corporation

X
Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

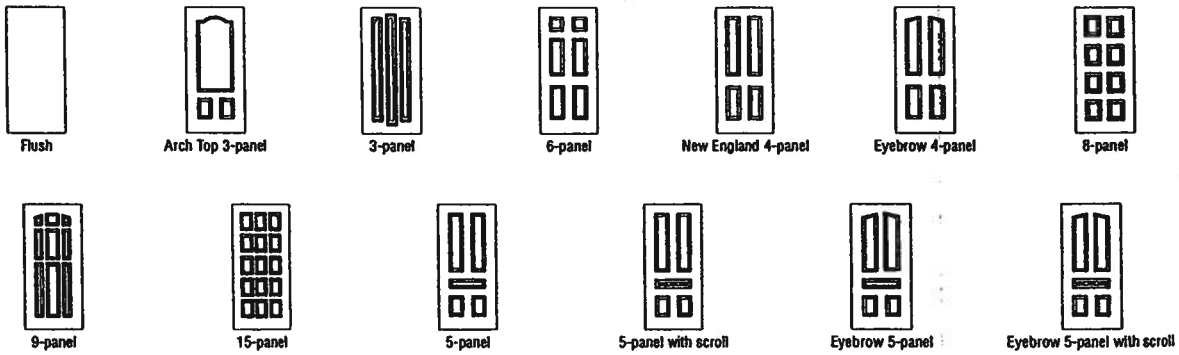
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0011-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:



Johnson™ EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

X
Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
911 E. Jeferson, P.O. Box 76
Pittsburgh ,KS 66762

Your application for Notice of Acceptance (NOA) of:
Entergy 6-8 S/E Inswing Opaque Double w/sidelites Residential Insulated Steel Door
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0314.23
EXPIRES: 04/02/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 06/05/2001

Premdor Entry Systems

ACCEPTANCE No: 01-0314.23

APPROVED : JUN 05 2001

EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews the Notice of Acceptance No. 00-0321.25 which was issued on April 28, 2000. It approves a residential insulated door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series **Entergy 6-8 S/E Inswing Opaque Double Residential Insulated Steel Doors with Sidelites-Impact Resistant Door Slab Only** and its components shall be constructed in strict compliance with the following documents: Drawing No **31-1029-EM-I**, Sheets 1 through 6 of 6, titled "Premdor (Entergy Brand) Double Door with Sidelites in Wood Frames with Bumper Threshold (Inswing)," prepared by manufacturer, dated 7/29/97 with revision C dated 01/11/00, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters):

4.2.1 Door: the installation of this unit **will not require** a hurricane protection system.

4.2.2 Sidelite: the installation of this unit **will require** a hurricane protection system.

5. LABELING

5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Manuel Perez

Manuel Perez, P.E. Product Control Examiner
Product Control Division

Premdor Entry Systems

ACCEPTANCE No.: 01-0314.23

APPROVED : JUN 05 2001

EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.

2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.

3. Renewals of Acceptance will not be considered if:
   a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
   b. The product is no longer the same product (identical) as the one originally approved.
   c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
   d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.

4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.

5. Any of the following shall also be grounds for removal of this Acceptance:
   a. Unsatisfactory performance of this product or process.
   b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.

6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.

7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.

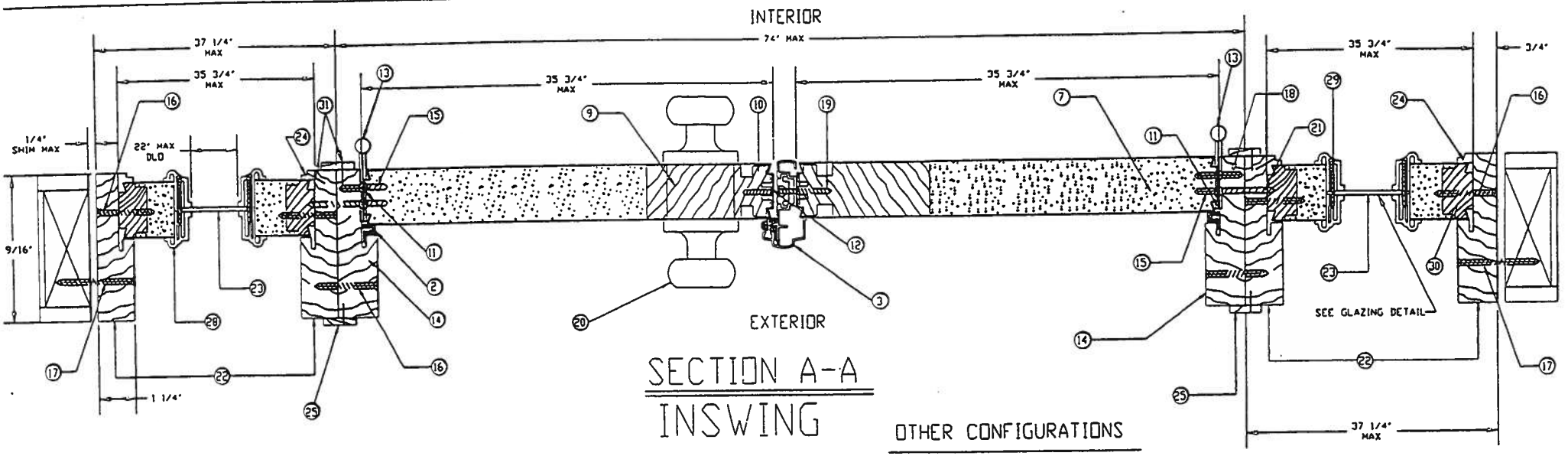
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.

9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

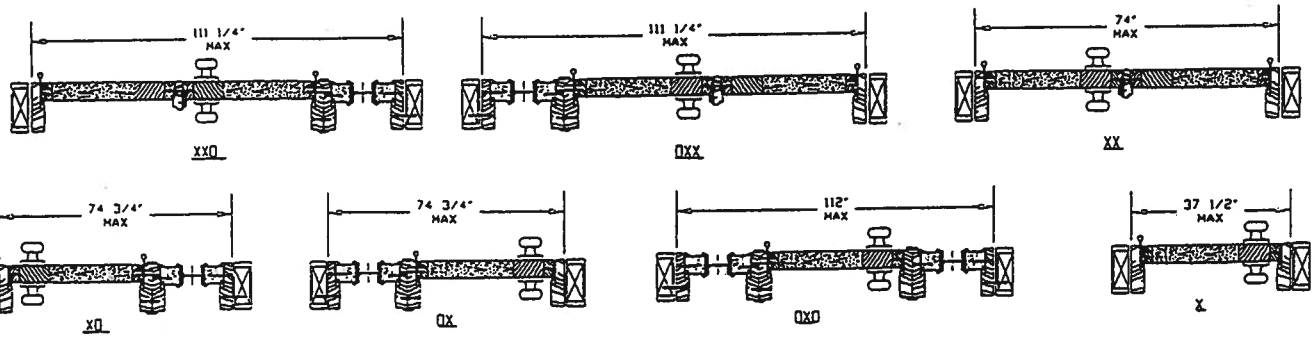
Manuel Perez

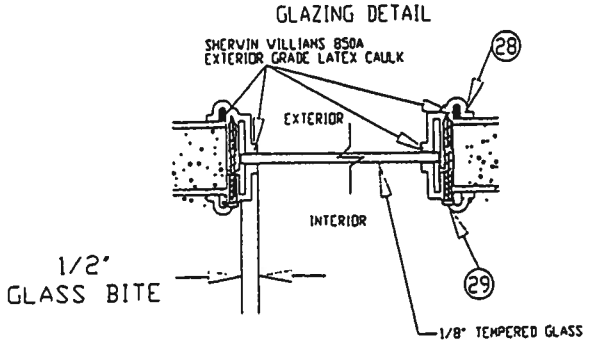
Manuel Perez, P.E., Product Control Examiner
Product Control Division



SECTION A-A
INSWING

OTHER CONFIGURATIONS





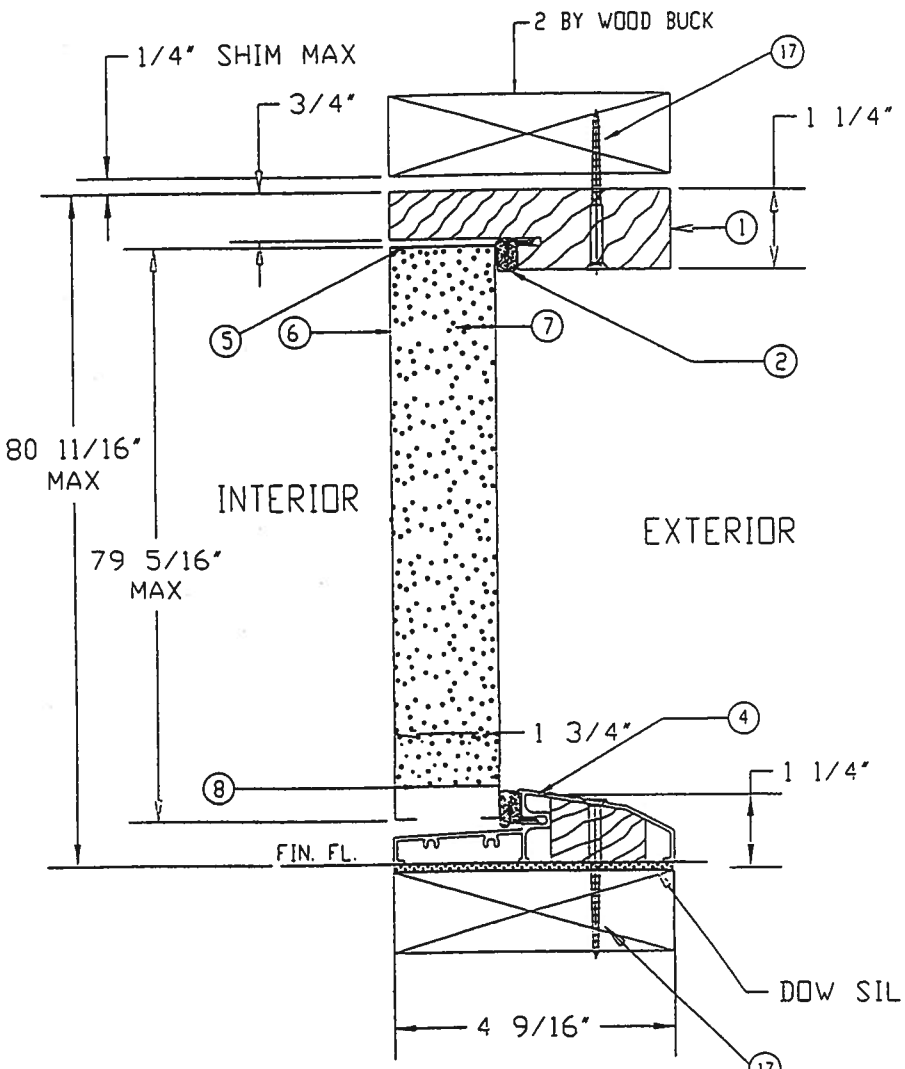
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

C	DADE COUNTY MODIFICATIONS	5/31/01	JD
B	ADDED PAGE 5 (DOOR OPTIONS)	10-5-98	RS
A	ADD SCREWS TO LITE FRAMES & ADD OTHER DOOR CONFIGURATIONS	2-10-97	RS
LTR	REVISIONS	DATE	BY

UNITS UNLESS NOTED FRAC. : DEC : ANG :
EXTRUSIONS UNLESS NOTED, STD COMM. ALLS
ENGINEER:
DRAWN BY: RS DATE: 7-29-97
PART NAME: ENTRY DOOR SYSTEM LITES (4-0)
SCALE: NTS

PREMDOR ENTRY SYSTEMS
901 E. JEFFERSON
PHILLIPSBURG, IL 62352

31-1029-EM-1
SHEET 2 OF 6
REVISION LETTER C



SECTION B-B

MATERIALS LIST

ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
1	WOOD HEAD JAMB	EM-14	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
2	COMPRESSION WEATHERSTRIP	EM-25	LOCKSCREEN BRAND LOXSEAL 9650 (BRONZE)
3	ALUMINUM ASTRAGAL	EM-12	PREMDOR BRAND OR EQUIVALENT- 5/8" ALUMINUM ASTRAGAL
4	ALUMINUM-BUMPER THRESHOLD	EM-15	PREMDOR BRAND OR EQUIVALENT - 1 1/4" x 4 9/16"
5	TOP CHANNEL	EM-08	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
6	STEEL SKIN	26 ga. (.017 +.004 -.000)	MIN YIELD STRENGTH 25,000 PSI MIN THICKNESS PER TENSILE TEST REPORT IS .021"
7	POLYURETHANE FOAM CORE	BASF FOAM - DENSITY 2.0 TO 2.5 lbs./ft^3	
8	BOTTOM CHANNEL	EM-07	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
9	WOOD LOCK BLOCK	EM-09	4" X 9 1/2" MTL. TO BE PINE OR EQUIVALENT
10	STRIKE STILE	EM-06	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
11	HINGE STILE	EM-05	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
12	LOCK PREP FILLER PLATE	EM-10	PREMDOR BRAND - .050" THICK- MTL. TO BE POLYETHYLENE
13	4"x4" HINGE	EM-16	HAGER BRAND HINGE OR EQUIVALENT - .097 THICK (STEEL)
14	WOOD HINGE JAMB	EM-13	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
15	#10-24 x 1/2" F.H.M.S.		(4) SCREWS PER HINGE INTO DOOR
16	#10 X 2" F.H.W.S.		(5) SCREWS THROUGH HINGE JAMB INTO SIDELITE JAMB, 8" DOWN FROM TOP, MAX 18" O.C. THEREAFTER (10) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP MAX 8" O.C. THEREAFTER (6) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX 15" O.C. THEREAFTER
17	#10 F.H.W.S. W/MINIMUM 1 1/2 EMBEDMENT OR 3/16" PTH TAPCONS W/MINIMUM 1 1/2" EMBEDMENT		REFER TO ELEVATION VIEW, FOR # OF SCREWS USED AND LOCATIONS
18	#10 X 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
19	#8 x 2" F.H.W.S.		(2) SCREWS AT EACH STRIKE PLATE
20	LOCKSET		KWIKSET BRAND 200 LOCK OR HARLOC BRAND 100 LOCK
21	#10 X 1 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
22	WOOD SIDELITE JAMB	EM-18	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
23	22" X 64" SINGLE PANEL GLASS	EM-19	TEMPERED GLASS IN POLYPROPYLENE FRAME- DC-1643 - (ODL-2: 1/8" CLEAR TEMPERED GLASS
24	SIDELITE TRIM (WOOD)	EM-20	5/16 x 1/2" MTL. TO BE PINE OR EQUIVALENT
25	WOOD CASING	EM-21	1/8" x 1" MTL. TO BE PINE OR EQUIVALENT - ITEMS ARE MOLDINGS USEI FOR "SIDE BY SIDE JAMBS" AS MULLIONS
26	WOOD SIDELITE HEAD JAMB	EM-22	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
27	WOOD SIDELITE BASE	EM-23	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
28	POLYPROPYLENE LITE FRAME	DC-1643, ODL-2	HP Polypropylene by ODL
29	#6 X 1 1/2" PAN HEAD SCREWS		18 PER FRAME SCREW SPACING TO BE 3" IN FROM EACH CORNER AND NOT TO EXCEED 14" OC THERE AFTER.
30	SIDELITE STILES	EM-26	15/16" X 1 11/16" MTL. TO BE PINE OR EQUIVALENT
31	PIN NAIL		3/4" LONG NAIL, 4" IN FROM END, MAX 8" O.C. THEREAFTER, USED ON MULLIONS AND TRIM

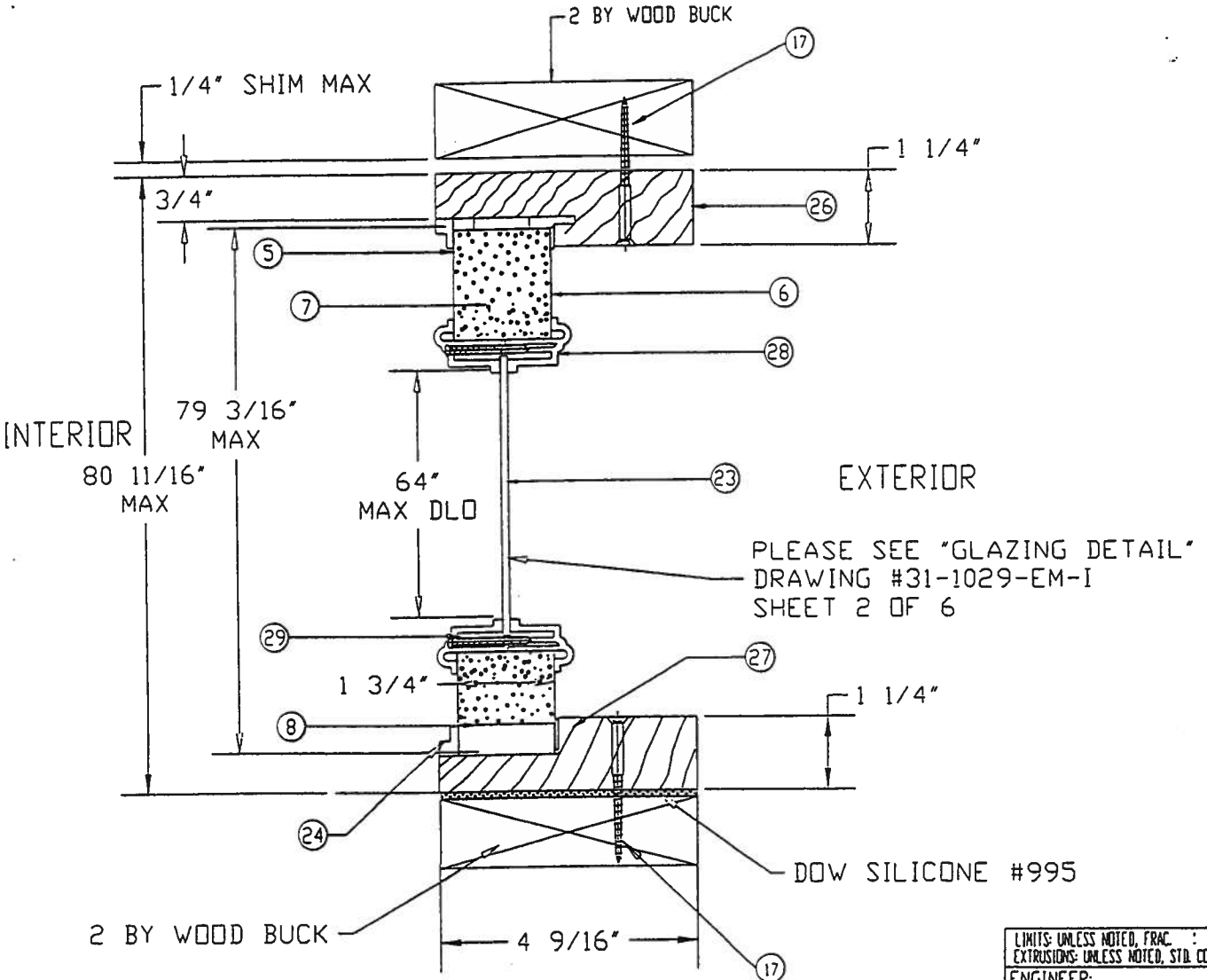
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

LIMITS: UNLESS NOTED, FRAC. : DEC : ANG. : EXTRUSIONS: UNLESS NOTED, STD. COM'L. TOL'S.	B	DADE COUNTY MODIFICATIONS	1/11/01	JD
	A	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
ENGINEER:	LTR.	REVISIONS	DATE	BY
	PART NAME: ENTERGY STEEL EDGE DOOR (B-B)			
DR. BY R.S. DATE 7-29-97	MAT'L:		SCALE:	

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS. 66762

31-1029-EM-I
SHEET 3 OF 6

REVISION LETTER B



SECTION C-C

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

LTR	REVISIONS	DATE	BY
D	DADE COUNTY MODIFICATIONS	1/11/01	JD
C	MATERIAL WAS POLYSTYRENE	6-2-99	RS
B	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
A	ADD SCREWS TO LITE FRAME & MATERIAL LIST	12-18-97	R.S.

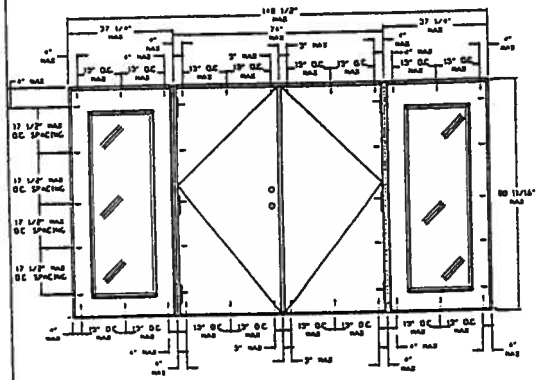
LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :
EXTRUSIONS: UNLESS NOTED, STD. COM'L. TOL'S.
ENGINEER:
DR. BY R.S. | DATE 7-29-97 |
PART NAME: ENTERGY METAL EDGE SIDELITE (C-C)
MAT'L: | SCALE:

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS. 66762

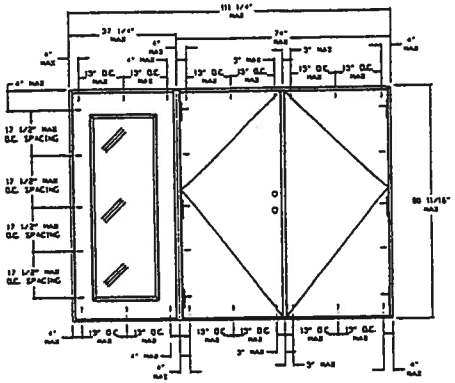
31-1029-EM-I
SHEET 4 OF 6

REVISION LETTER D

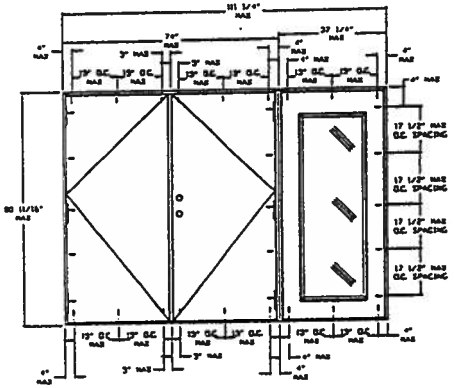
OTHER DOOR CONFIGURATIONS



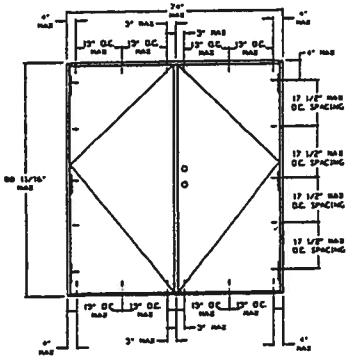
OXXO



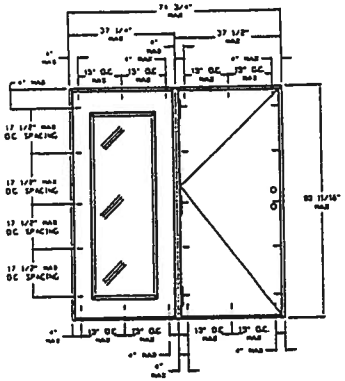
OXX



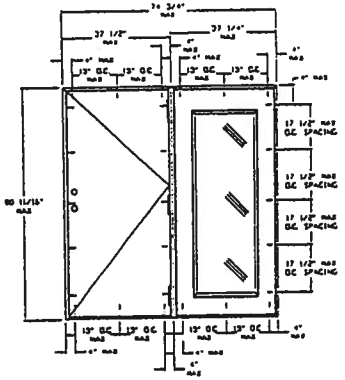
XXO



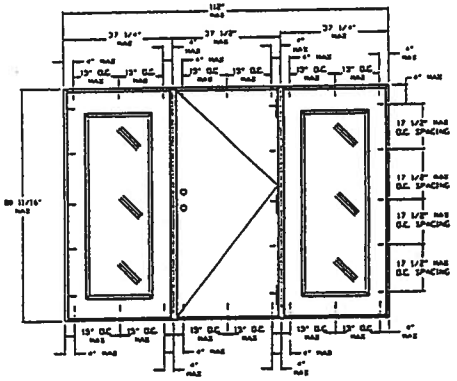
XX



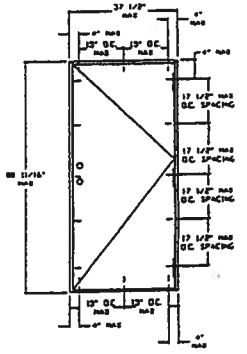
OX



XO



OXO



X

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY Mahmud Sirus
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :
EXTRUSIONS: UNLESS NOTED, STD. COMM. TOL'S.
ENGINEER:
DR. BY J.D. | DATE 1-11-01

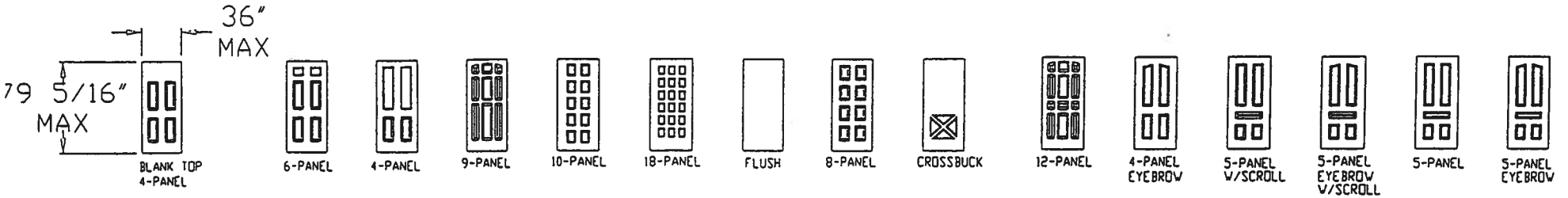
LTR.	REVISIONS	DATE	BY

PART NAME:
MAT'L:
SCALE:

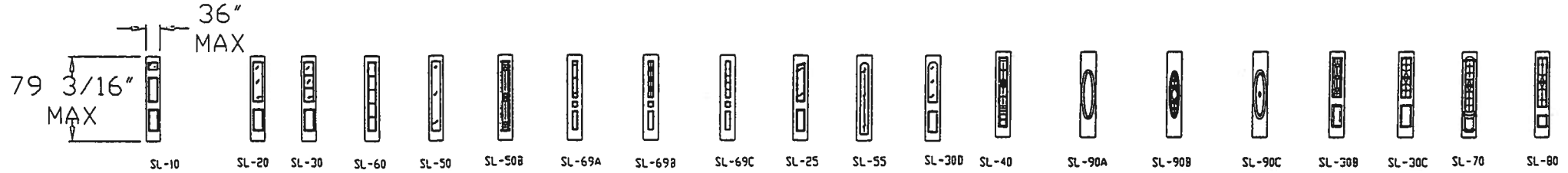
PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS. 66762

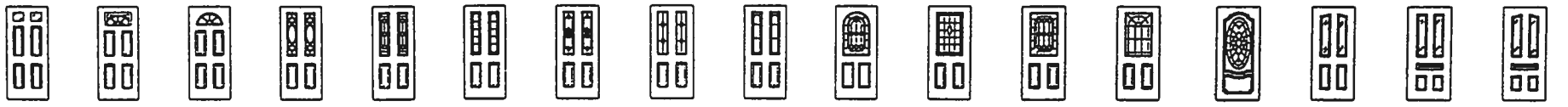
31-1029-EM-I
SHEET 5 OF 6
REVISION LETTER

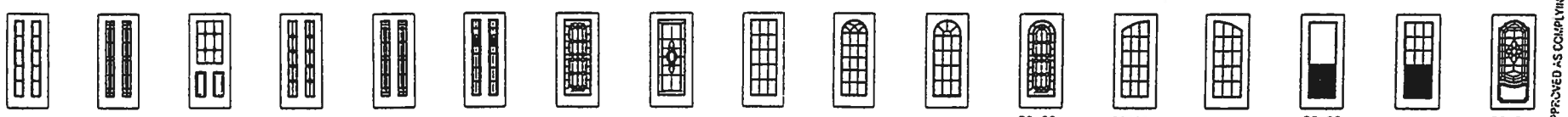
OTHER DOOR PANEL STYLES



OTHER SIDELITE STYLES







APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO 01-0314.23

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :
EXTRUSIONS: UNLESS NOTED, STD. COML. TOL'S.
ENGINEER:
DR. BY J.D. DATE 1/15/01

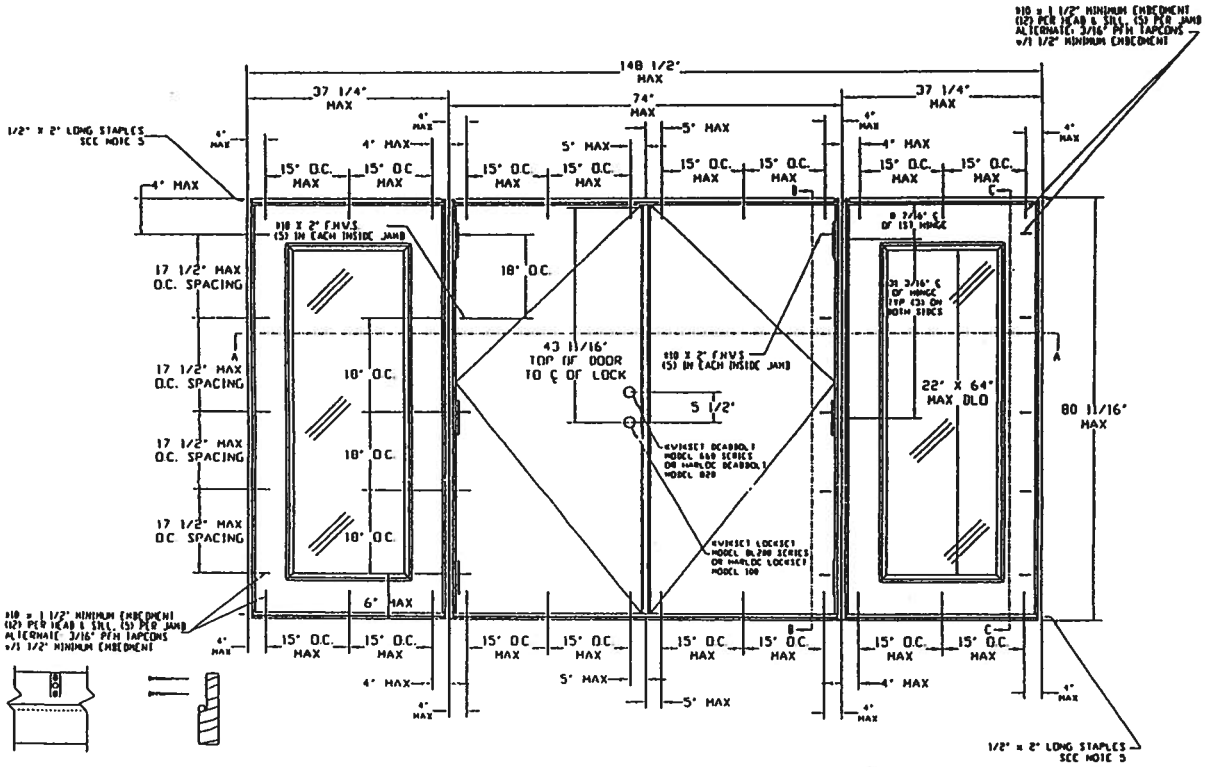
LTR	REVISIONS	DATE	BY

PART NAME: PREMDOR DOOR OPTIONS
MAT'L: SCALE:

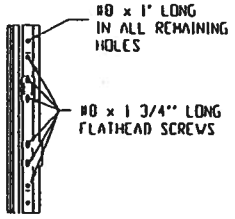
PREMDOR ENTRY SYSTEMS
911 C. JEFFERSON
PITTSBURG, KS. 66762

31-1029-EM-1
SHEET 6 OF 6
REVISION LETTER

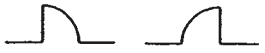
PREMDOR (ENTERGY BRAND) DOUBLE DOOR WITH SIDELITES IN WOOD FRAMES WITH BUMPER THRESHOLD (INSWING)



ATTACH ASTRAGAL THROW BOLT STRIKE PLATE TO THE HEADER AND THRESHOLD WITH #10 x 1 3/4" FLATHEAD SCREWS



ASTRAGAL



NOTES:

1.) WOOD BUCKS BY OTHERS. MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
2.) THE PRECEDING DRAWINGS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.

A. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD OPENING.

B. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY STRUCTURAL WOOD BUCK.

C. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL LINE BY WOOD BUCK.

3. ALL ANCHORING SCREWS TO BE #10 WITH MINIMUM 1 1/2" EMBEDMENT INTO WOOD SUBSTRATE OR 3/16" PFH TAPCONS WITH 1 1/2" MINIMUM EMBEDMENT INTO MASONRY.

4. UNIT MUST BE INSTALLED WITH 'MIAMI-DADE COUNTY APPROVED' SHUTTERS

5. THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES AND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON SIDELITES AND DOOR.

6. LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE JAMBS AND SIDELITES.

7. DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE CORNERS ARE COPED AND BUTT JOINED.

8. DOORS SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY RUST INHIBITIVE PRIMER PAINT WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL

9. FRAMES SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/ WATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.

DESIGN PRESSURE RATINGS		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	NOT APPROVED *	+55.0 psf
Negative	NOT APPROVED *	-55.0 psf

* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES. UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY [signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

	C	DADE COUNTY MODIFICATIONS	6/11/00 JD
LOUTS: UNLESS NOTED, FRAC. : DEC. : ANG. : EXTRUSIONS: UNLESS NOTED, STD COPE TOL'S	B	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98 RS
	A	ADD OTHER DOOR CONFIGURATIONS	12/10/97 RS
ENGINEER:	LTR	REVISIONS	DATE BY
DR BY R.S. DATE 7-29-97	PART NAME: ENERGY METAL CLAD DOUBLE DOOR W/SIDELITES		
	MAT'L:	SCALE: N.T.S.	

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS 66762

31-1029-EM-1
SHEET 1 OF 6

(REPAIR/3565 - B2)

Truss repaired to fix one missing plate and one cracked bottom chord.

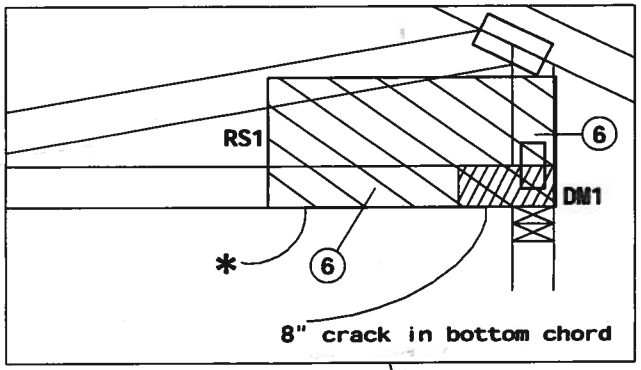
Refer To Drawing HCUSR215 06213035 For Details Not Shown On This Drawing.

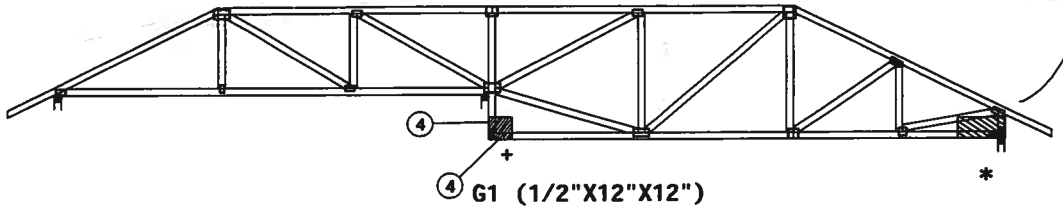
Prior to and during repair operation, this truss and any supported spans must be temporarily braced and shored. The design and positioning of such shall be designed and supplied by others.

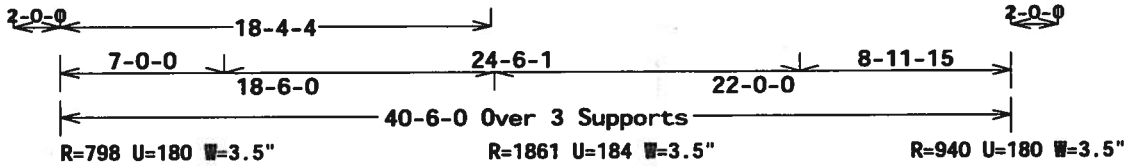
+ (2) 1/2"X12"X12" (G1) AS SHOWN C-D EXT APA PLYWOOD. ATTACH ONE SHEET TO EACH FACE OF TRUSS WITH CLUSTERS OF .099"x2" 6d BOX NAILS AS SPECIFIED IN CIRCLED NUMBERS.

* (2) 2x12x2-0-0 SP #2 OR OR BETTER SCABS. ATTACH ONE SCAB TO EACH FACE OF TRUSS WITH CLUSTERS OF .128"X3" GUN NAILS AS SHOWN BY CIRCLED NUMBER.

#24669







Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R | Cq/RT=1.00(1.25)/10(0) | 7.25.0503.00 | QTY:1 | FL/-/5/-/E/-/- | Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 16 '06

TC LL	20.0 PSF	REF	R215-- 42727
TC DL	10.0 PSF	DATE	11/16/06
BC DL	10.0 PSF	DRW	HCUSR215 06320001
BC LL	0.0 PSF	HC-ENG	KH/WHK
TOT.LD.	40.0 PSF	SEQN-	133004 REV
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T2D215_Z01

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 01-4S-16-02678-209 **Building permit No.** 000024669

Use Classification SFD,UTILITY **Fire:** 22.32

Permit Holder BRIAN CRAWFORD **Waste:** 67.00

Owner of Building FRAN & BILLY GRAHAM **Total:** 89.32

Location: 440 SW COVEY COURT, LAKE CITY, FL

Date: 06/21/2007

Randy Jones

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment 12277

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 630 A Hill
City Lake City Phone 752. 1703

Site Location: Subdivision
Lot # 9 Block# Permit # 24669
Address 440 SW Covey CT

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	3440	809	5

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

11/20/06 Date | 1500 Time | F254 GUNNY Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

The Graham Residence

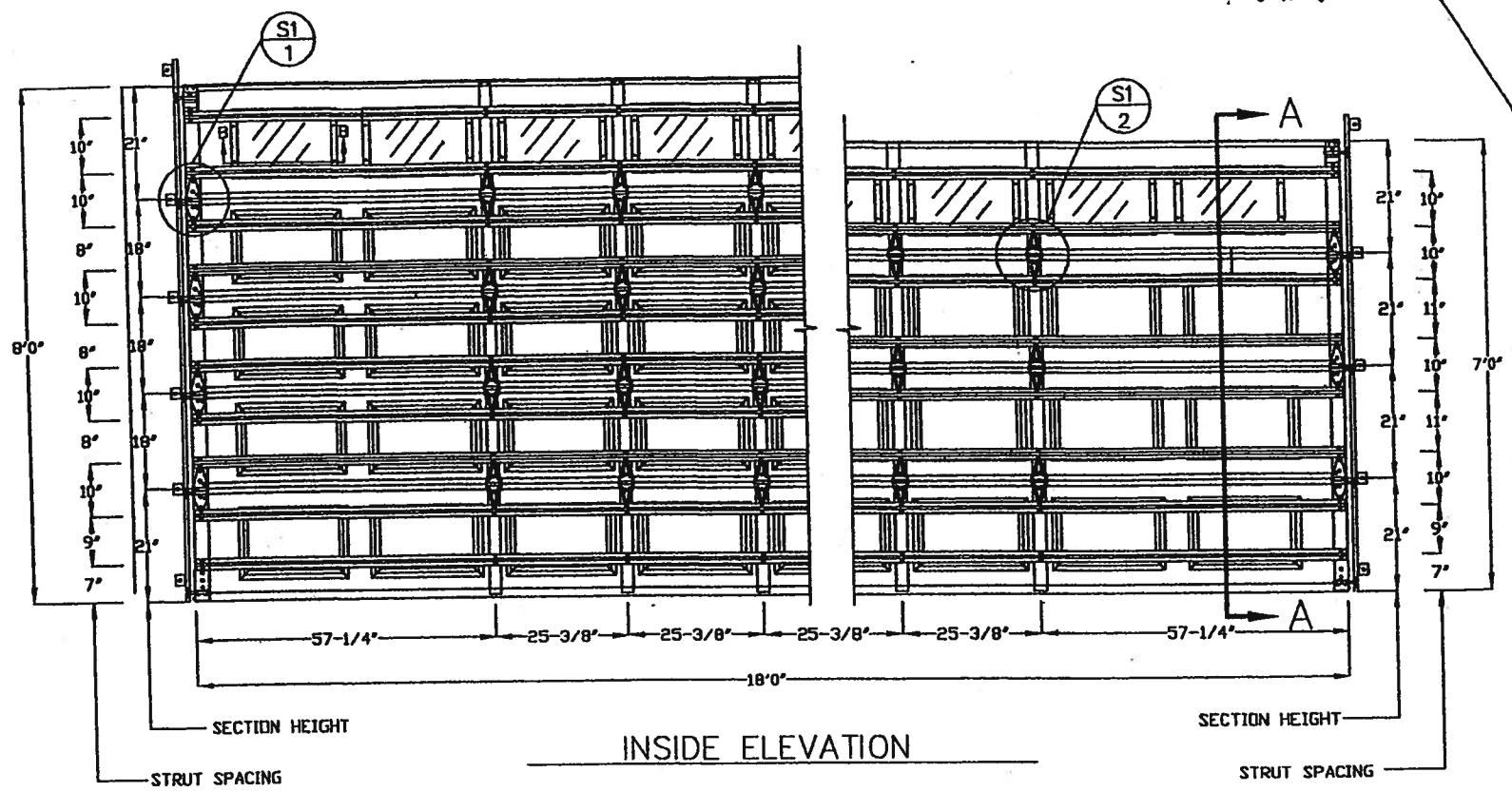
HOMECREST CABINETRY		
Customer Name:		
Scale:	Drawn by:	Date:
Style:		
Approved by:	Date:	

The Graham Residence

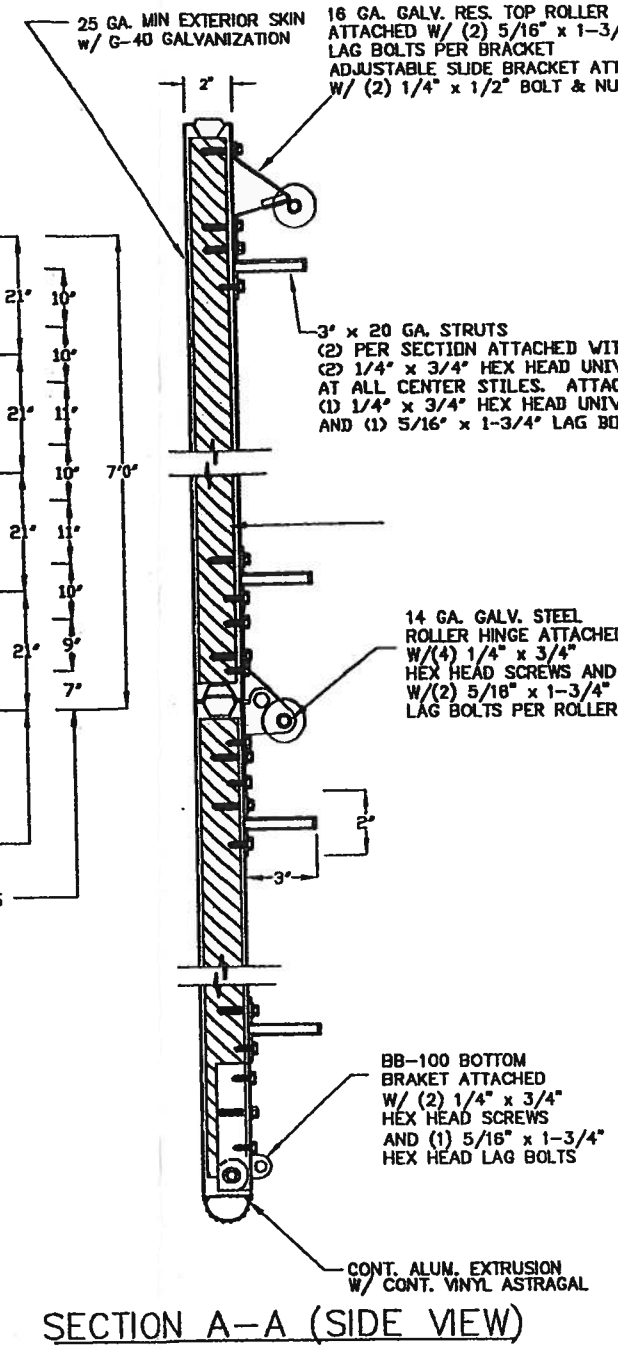
HOMECREST CABINETRY

Customer Name:		
Scale:	Drawn by:	Date:
Style:		
Approved by:	Date:	

18x7



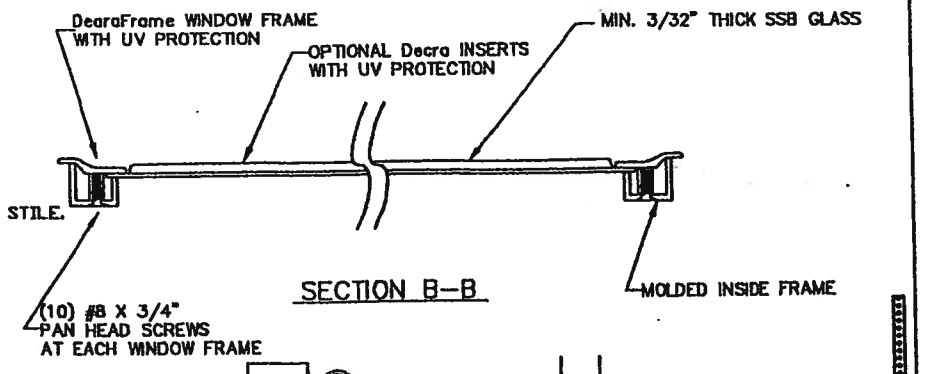
INSIDE ELEVATION



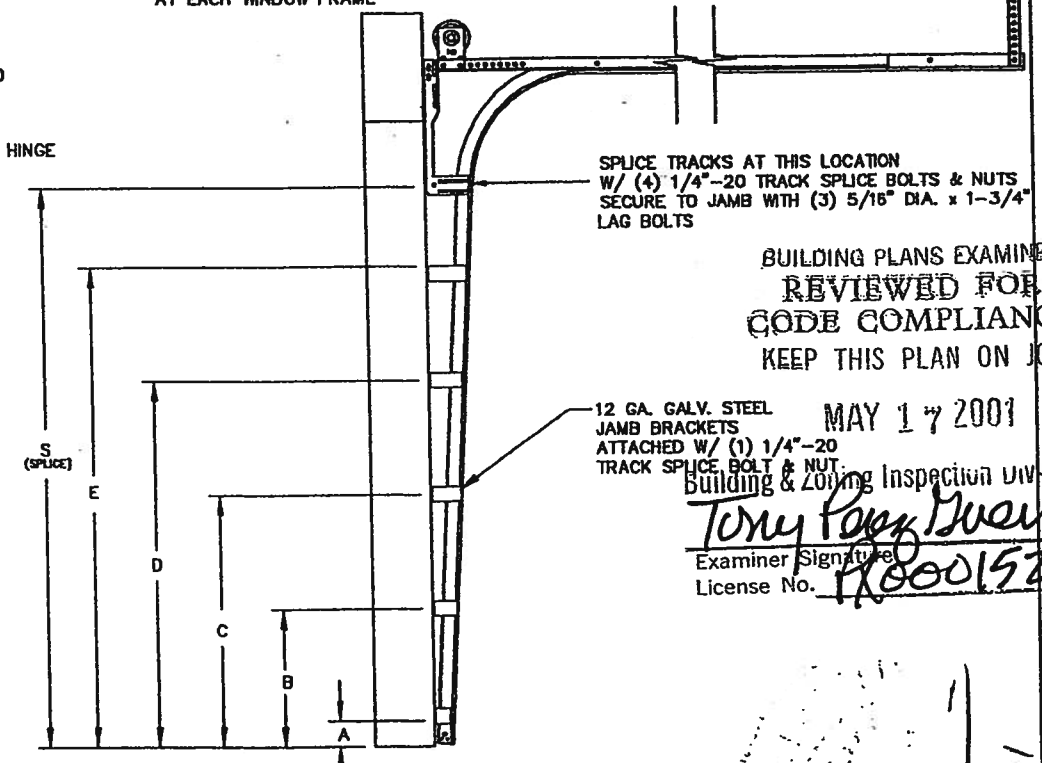
SECTION A-A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISION, EIGHT (8) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 18' X 7' AND 18' X 8' MODEL 600 AND 950 DOORS.



SECTION B-B



TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

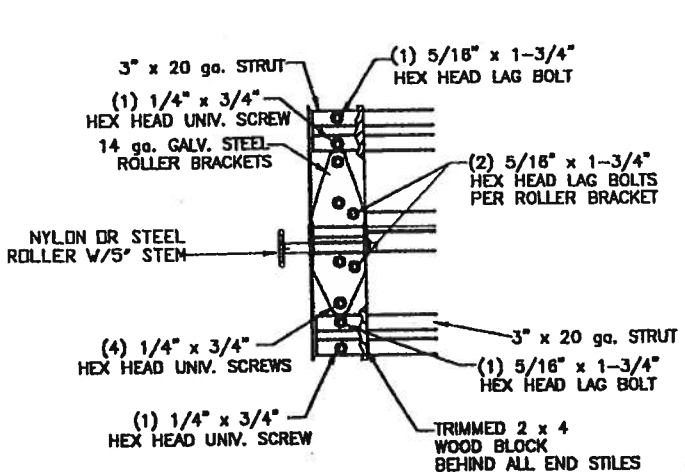
BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
KEEP THIS PLAN ON JOB

MAY 17 2001

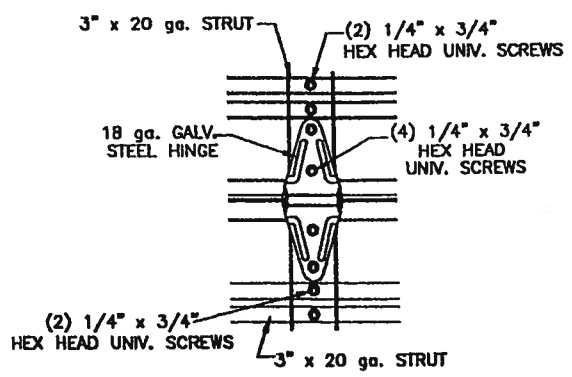
Building & Zoning Inspection Div-Jax., FL.

Examiner Signature

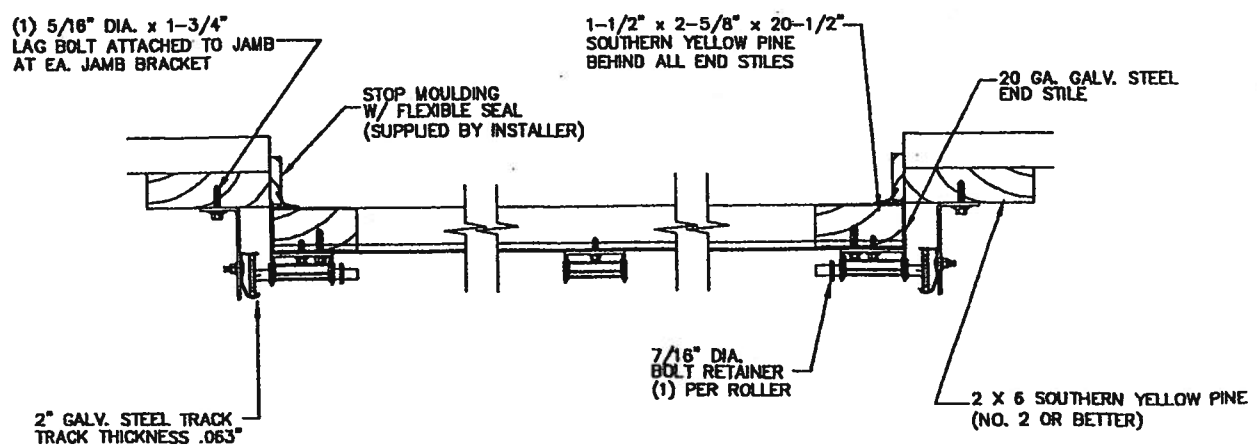
License No. RA0001520



ROLLER BRACKET (TYP) S1/1
NTS



HINGE CONNECTION S1/2
NTS



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 100 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 8" FROM ENDS THEN 16" O.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 16" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 16" O.C.

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6"	4"	21-1/2"	39"	57"		70"
7'-0"	4"	21-1/2"	42"	63"		76"
7'-6"	4"	18"	36"	54"	72"	82"
8'-0"	4"	21-1/2"	39"	57"	75"	88"

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.018") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 100 MPH
   B. DOOR CAN BE INSTALLED WITH 5 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF C

4/25/01

MAX SIZE 18' x 8'

DESIGN LOADS
+23.8 PSF
-24.8 PSF

TEST LOADS
+35.4 PSF
-36.8 PSF

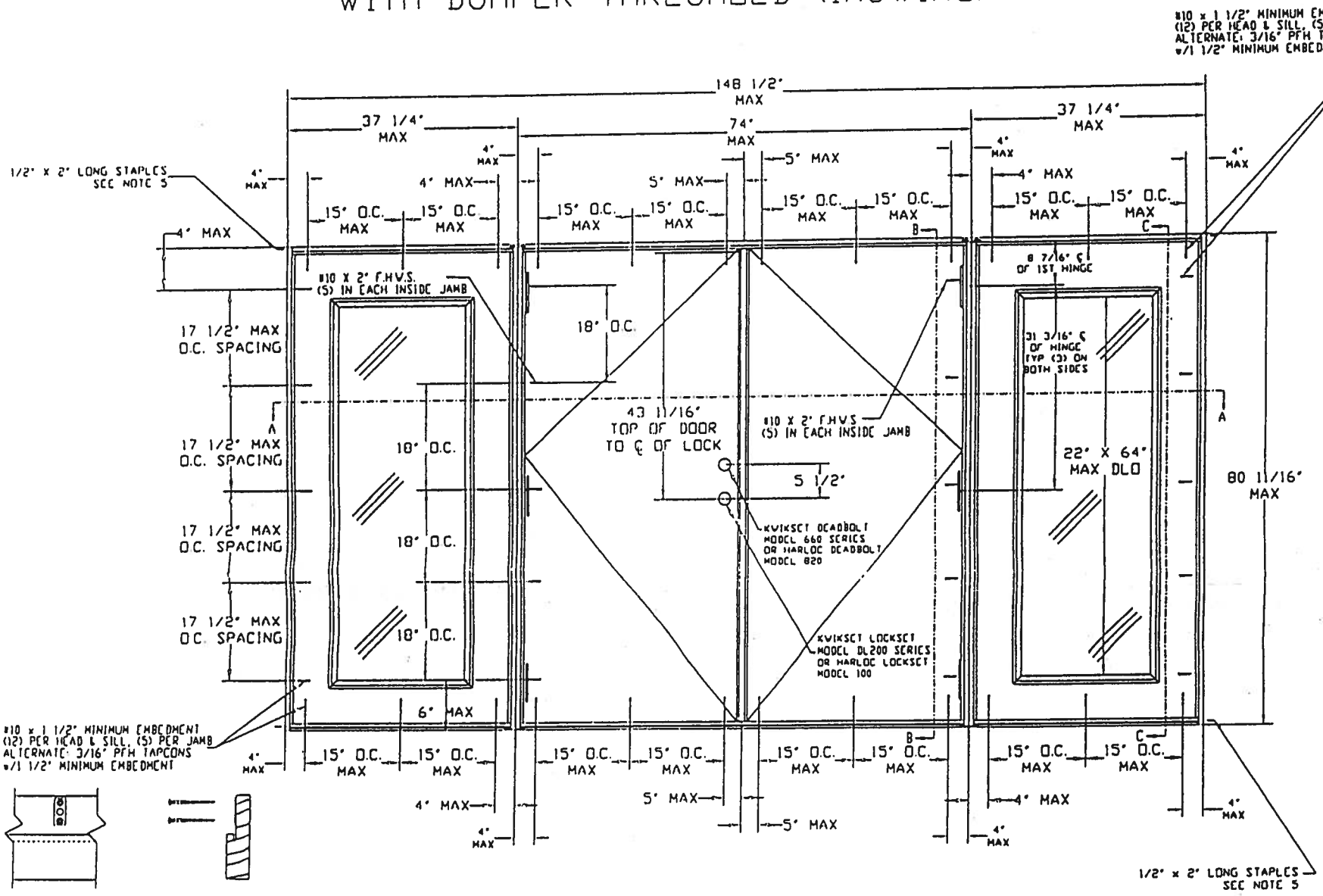
REV	DESCRIPTION OF REVISIONS	DATE	BY

Amarr garage doors
3991 SHARET CHURCH BLVD. WINSTON-SALEM, N.C. 27105

MODEL #600 STRATFORD
MODEL #950 HERITAGE III

SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	CHECKED BY	DATE	SBC-580-017-J
SCALE: NOT TO SCALE			SHEET 1 OF 1

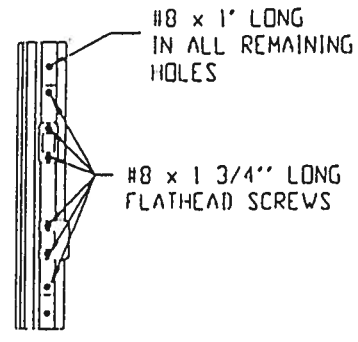
PREMDOR (ENTERGY BRAND) DOUBLE DOOR WITH SIDELITES IN WOOD FRAMES WITH BUMPER THRESHOLD (INSWING)



ATTACH ASTRAGAL THROW BOLT STRIKE PLATE TO THE HEADER AND THRESHOLD WITH #10 x 1 3/4" FLATHEAD SCREWS

NOTES:

) WOOD BUCKS BY OTHERS. MUST BE ANCHORED ROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
.) THE PRECEDING DRAWINGS ARE INTENDED TO UALIFY THE FOLLOWING INSTALLATIONS.
. WOOD FRAME CONSTRUCTION WHERE DOOR YSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD PENING.
. MASONRY OR CONCRETE CONSTRUCTION WHERE OOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY TRUCTURAL WOOD BUCK.
. MASONRY OR CONCRETE CONSTRUCTION WHERE OOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE R MASONRY WITH OR WITHOUT A NON-STRUCTURAL NE BY WOOD BUCK.
ALL ANCHORING SCREWS TO BE #10 WITH INIMUM 1 1/2" EMBEDMENT INTO WOOD SUBSTRATE R 3/16" PFH TAPCONS WITH 1 1/2" MINIMUM EMBEDMENT ITO MASONRY.
UNIT MUST BE INSTALLED WITH "MIAMI-DADE COUNTY PPROVED" SHUTTERS
THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES ND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON DELITES AND DOOR.
LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE AMBS AND SIDELITES.
DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE ORNERS ARE COPED AND BUTT JOINED.
DOORS SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY RUST HIBITIVE PRIMER PAINT WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.
FRAMES SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/ ATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.



ASTRAGAL

L.H. INSWING R.H. INSWING

DESIGN PRESSURE RATINGS		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED x	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	NOT APPROVED *	+55.0 psf
Negative	NOT APPROVED *	-55.0 psf

x UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES. UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY [signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

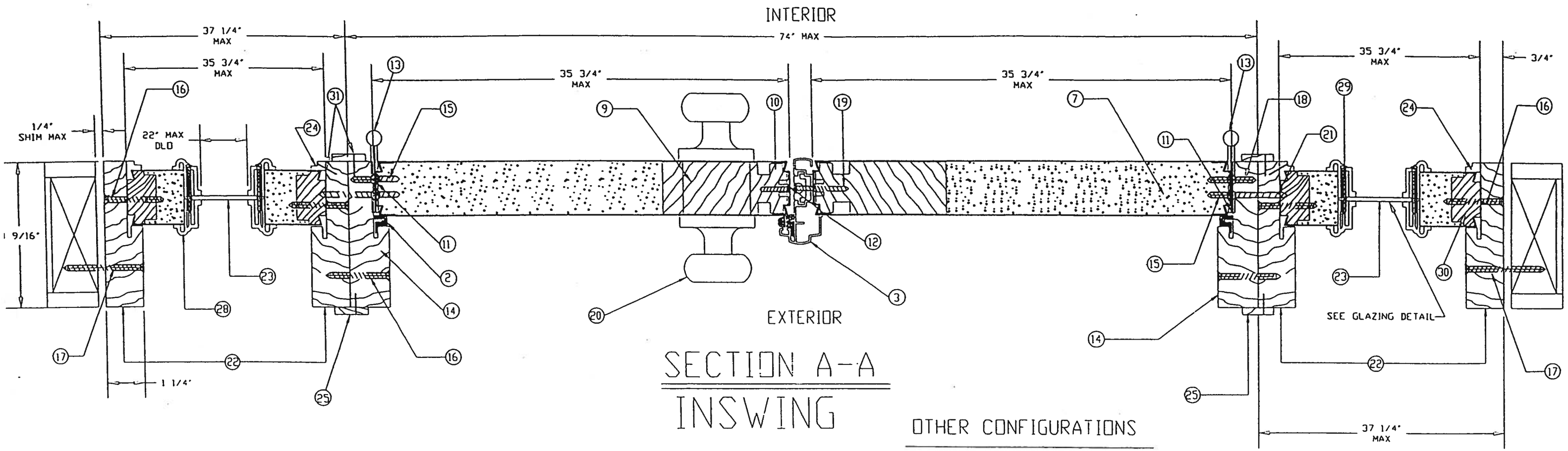
LTR.	REVISIONS	DATE	BY
C	DADE COUNTY MODIFICATIONS	1/11/00	JD
B	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
A	ADD OTHER DOOR CONFIGURATIONS	12/18/97	RS

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :
EXTRUSIONS: UNLESS NOTED, STD. COM'L. TOL'S.
ENGINEER:
PART NAME: (ENTERGY METAL EDCC) DOUBLE DOOR W/SIDELITES
DR. BY R.S. DATE 7-29-97
MAT'L: SCALE: N.T.S.

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS. 66762

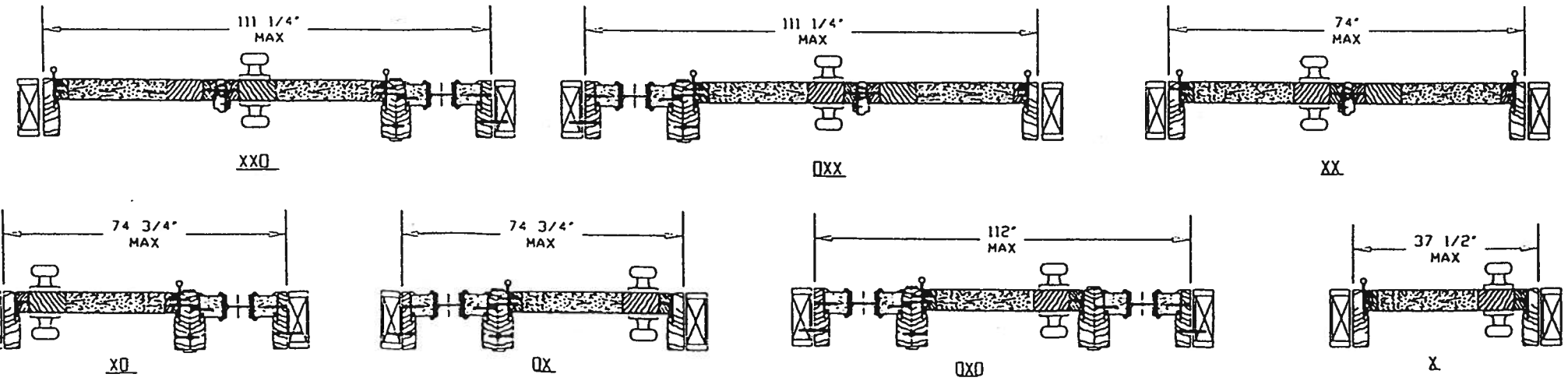
31-1029-EM-I
SHEET 1 OF 6

REVISION LETTER C

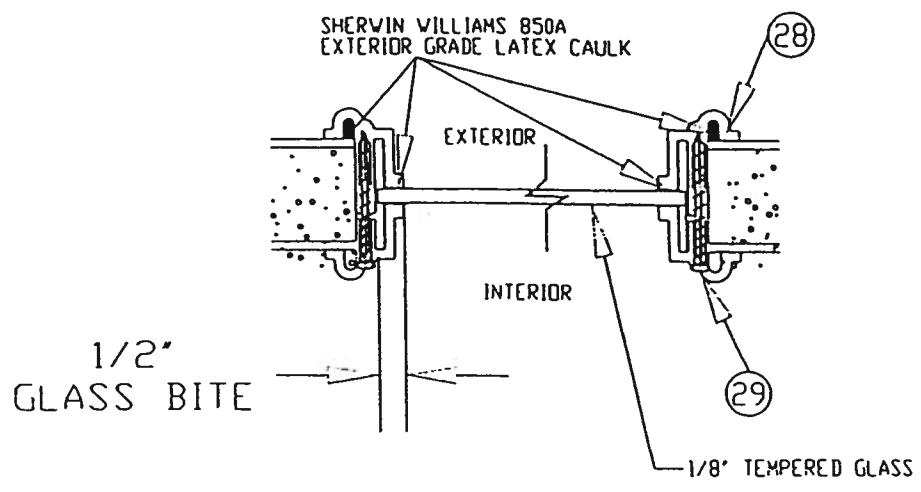


SECTION A-A
INSWING

OTHER CONFIGURATIONS



GLAZING DETAIL



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

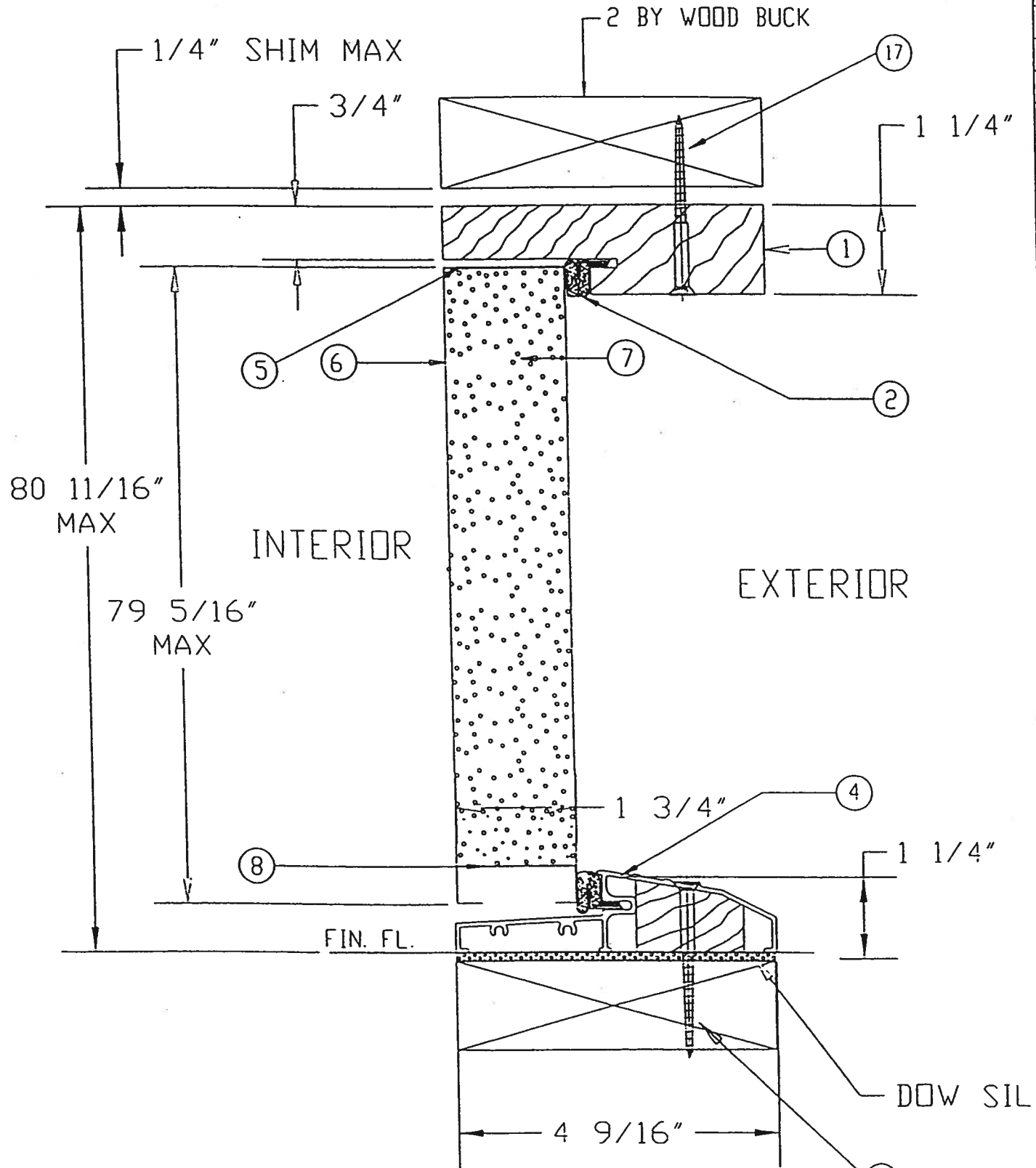
C	DADE COUNTY MODIFICATIONS	5/11/01	JD
B	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
A	ADD SCREWS TO LITE FRAMES & ADD OTHER DOOR CONFIGURATIONS	2-18-97	RS
LTR	REVISIONS	DATE	BY

UNITS UNLESS NOTED, FRAC. : DEC. : ANG. :
EXTRUSIONS UNLESS NOTED, STD. COM. TOL.'S
ENGINEER:
DR. BY R.S. DATE 7-29-97
PART NAME: ENTERGY DOOR W/SIDELITES (A-A)
MAT'L: SCALE: NTS

PREMDOR ENTRY SYSTEMS
511 E. JEFFERSON
PITTSBURG, KS 66762

31-1029-EM-I
SHEET 2 OF 6

REVISION LETTER C



SECTION B-B

MATERIALS LIST

ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
①	WOOD HEAD JAMB	EM-14	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
②	COMPRESSION WEATHERSTRIP	EM-25	LOCKSCREEN BRAND LOXSEAL 9650 (BRONZE)
③	ALUMINUM ASTRAGAL	EM-12	PREMDOR BRAND OR EQUIVALENT- 5/8" ALUMINUM ASTRAGAL
④	ALUMINUM-BUMPER THRESHOLD	EM-15	PREMDOR BRAND OR EQUIVALENT - 1 1/4" x 4 9/16"
⑤	TOP CHANNEL	EM-08	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
⑥	STEEL SKIN	26 ga. (.017 +.004 -.000)	MIN. YIELD STRENGTH 25,000 PSI MIN. THICKNESS PER TENSILE TEST REPORT IS .021"
⑦	POLYURETHANE FOAM CORE	BASF FOAM - DENSITY 2.0 TO 2.5 lbs./ft^3	
⑧	BOTTOM CHANNEL	EM-07	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
⑨	WOOD LOCK BLOCK	EM-09	4" X 9 1/2" MTL. TO BE PINE OR EQUIVALENT
⑩	STRIKE STILE	EM-06	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
⑪	HINGE STILE	EM-05	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
⑫	LOCK PREP FILLER PLATE	EM-10	PREMDOR BRAND - .050" THICK- MTL. TO BE POLYETHYLENE
⑬	4"x4" HINGE	EM-16	HAGER BRAND HINGE OR EQUIVALENT - .097 THICK (STEEL)
⑭	WOOD HINGE JAMB	EM-13	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
⑮	#10-24 x 1/2" F.H.M.S.		(4) SCREWS PER HINGE INTO DOOR
⑯	#10 X 2" F.H.W.S.		(5) SCREWS THROUGH HINGE JAMB INTO SIDELITE JAMB, 8" DOWN FROM TOP, MAX 18" O.C. THEREAFTER (10) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP MAX 8" O.C. THEREAFTER (6) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX 15" O.C. THEREAFTER
⑰	#10 F.H.W.S. W/MINIMUM 1 1/2 EMBEDMENT OR 3/16" PFH TAPCONS W/MINIMUM 1 1/2" EMBEDMENT		REFER TO ELEVATION VIEW, FOR # OF SCREWS USED AND LOCATIONS
⑱	#10 X 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
⑲	#8 x 2" F.H.W.S.		(2) SCREWS AT EACH STRIKE PLATE
⑳	LOCKSET		KWIKSET BRAND 200 LOCK OR HARLOC BRAND 100 LOCK
㉑	#10 X 1 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
㉒	WOOD SIDELITE JAMB	EM-18	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉓	22" X 64" SINGLE PANEL GLASS	EM-19	TEMPERED GLASS IN POLYPROPYLENE FRAME- DC-1643 - (ODL-2) 1/8" CLEAR TEMPERED GLASS
㉔	SIDELITE TRIM (WOOD)	EM-20	5/16 x 1/2" MTL. TO BE PINE OR EQUIVALENT
㉕	WOOD CASING	EM-21	1/8" x 1" MTL. TO BE PINE OR EQUIVALENT - ITEMS ARE MOLDINGS USED FOR "SIDE BY SIDE JAMBS" AS MULLIONS
㉖	WOOD SIDELITE HEAD JAMB	EM-22	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉗	WOOD SIDELITE BASE	EM-23	1 1/4" X 4 9/16" MTL. TO BE PINE OR EQUIVALENT
㉘	POLYPROPYLENE LITE FRAME	DC-1643, ODL-2	HP Polypropylene by ODL
㉙	#6 X 1 1/2" PAN HEAD SCREWS		18 PER FRAME SCREW SPACING TO BE 3" IN FROM EACH CORNER AND NOT TO EXCEED 14" OC THERE AFTER.
㉚	SIDELITE STILES	EM-26	15/16" X 1 11/16" MTL. TO BE PINE OR EQUIVALENT
㉛	PIN NAIL		3/4" LONG NAIL, 4" IN FROM END, MAX 8" O.C. THERAFTER, USED ON MULLIONS AND TRIM

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

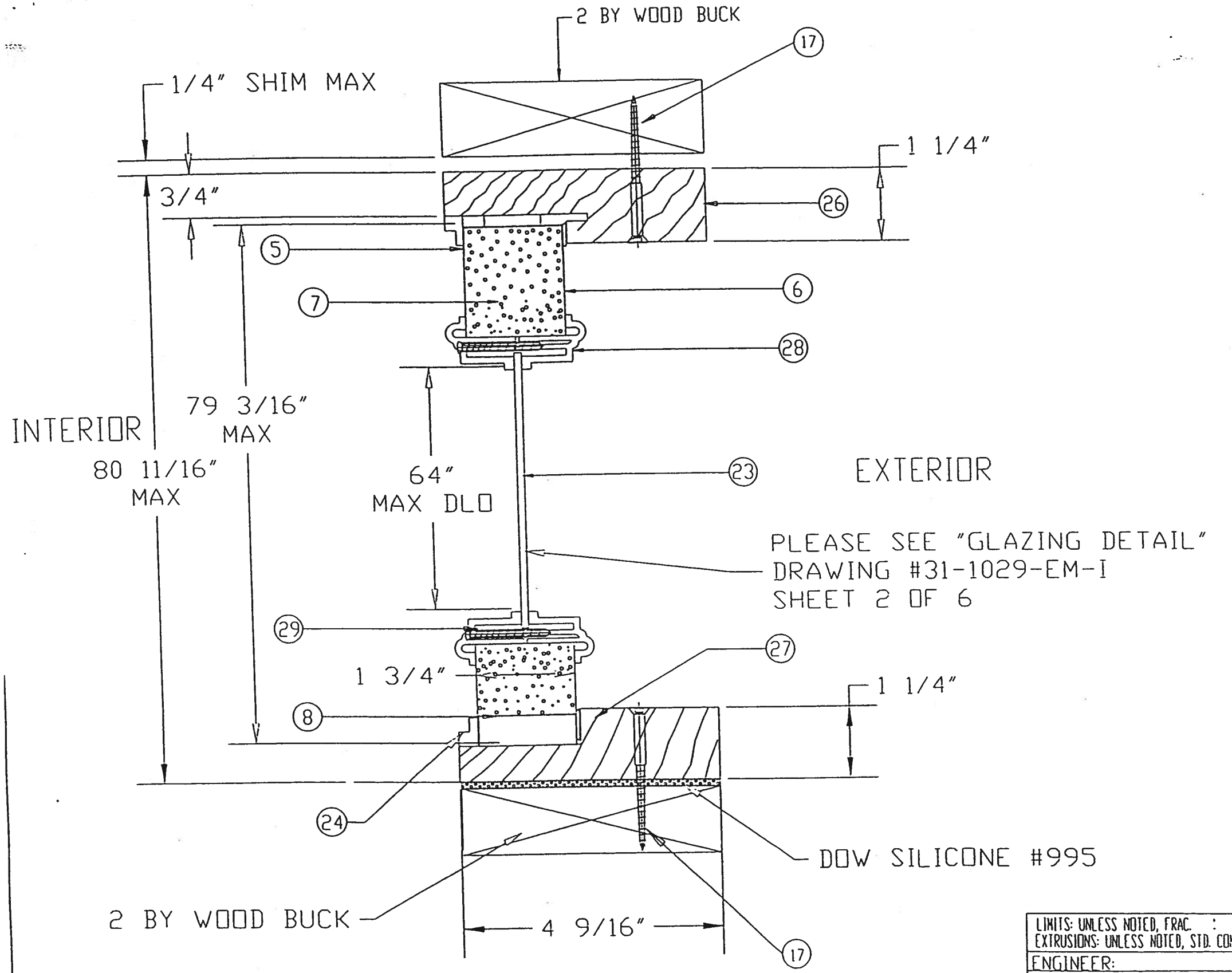
LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :	B	DADE COUNTY MODIFICATIONS	1/11/01 JD
EXTRUSIONS: UNLESS NOTED, STD. COM'L. TOL'S.	A	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98 RS
ENGINEER:	LTR.	REVISIONS	DATE BY
	PART NAME: ENTERGY STEEL EDGE DOOR (B-B)		
DR. BY R.S. DATE 7-29-97	MAT'L:	SCALE:	

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS. 66762

A

31-1029-EM-I
SHEET 3 OF 6

REVISION LETTER B



SECTION C-C

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

LTR.	REVISIONS	DATE	BY
D	DADE COUNTY MODIFICATIONS	1/11/01	JD
C	MATERIAL WAS POLYSTYRENE	6-2-99	RS
B	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
A	ADD SCREWS TO LITE FRAME & MATERIAL LIST	12-18-97	R.S.

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :
EXTRUSIONS: UNLESS NOTED, STD. COM'L. TOL'S.

ENGINEER:

DR. BY R.S. | DATE 7-29-97

PART NAME: ENTERGY METAL EDGE SIDELITE (C-C)

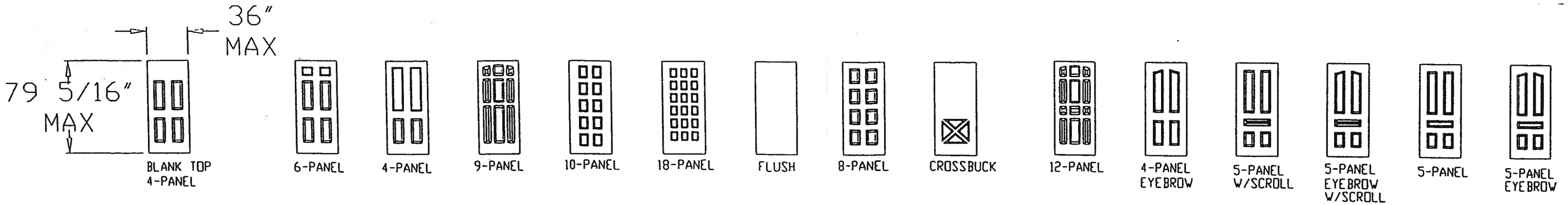
MAT'L: | SCALE:

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS. 66762

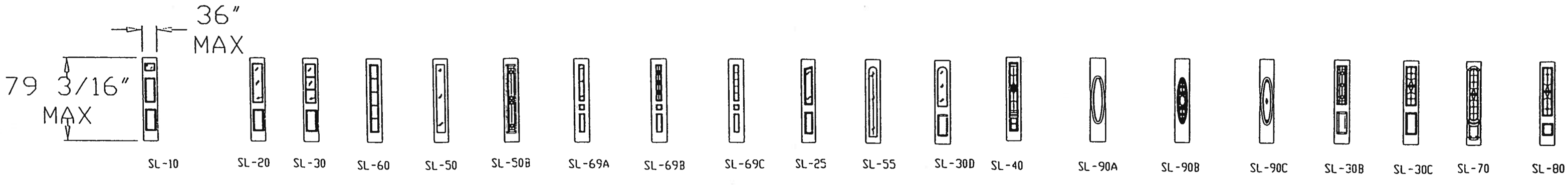
31-1029-EM-I
SHEET 4 OF 6

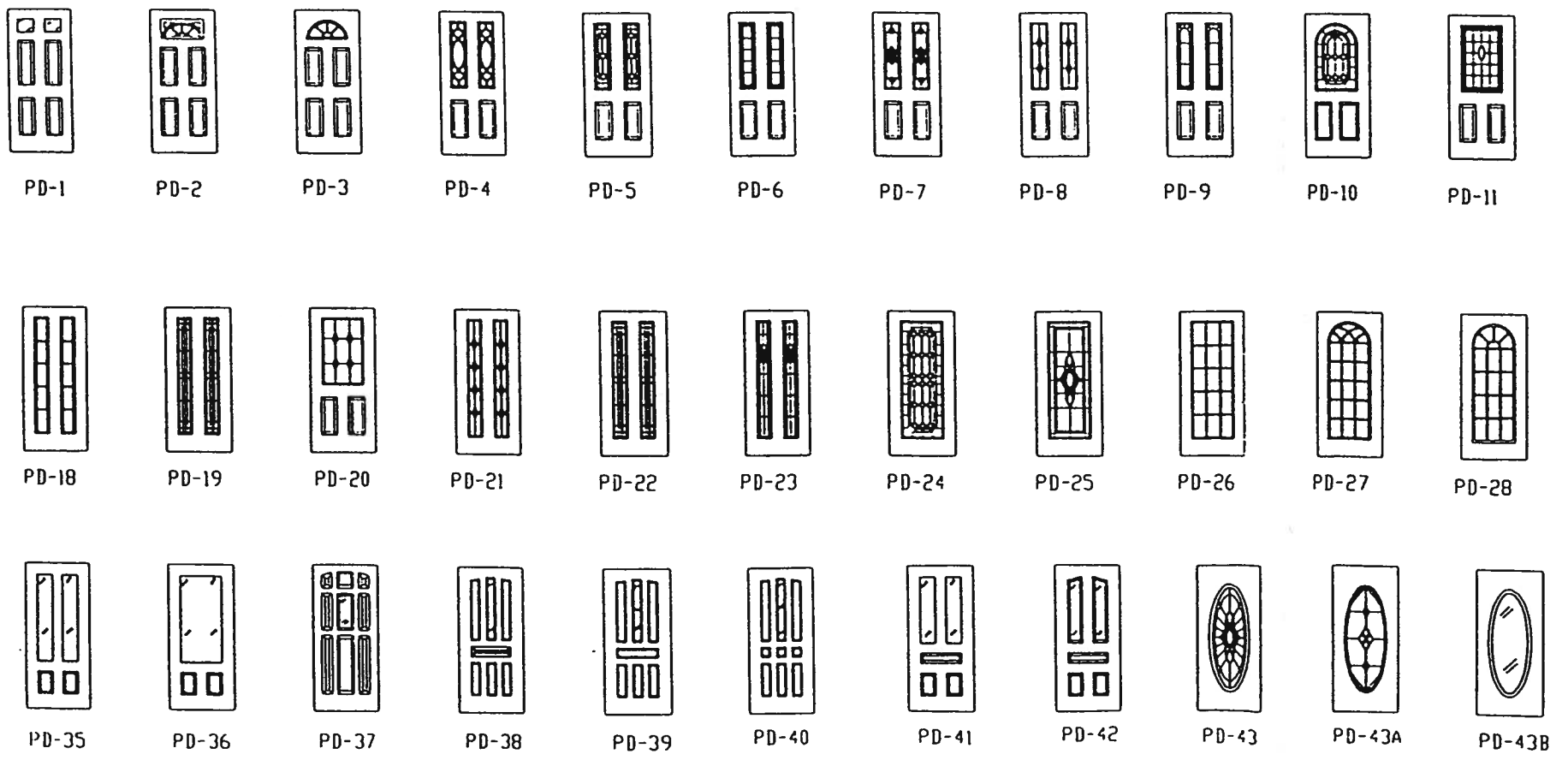
REVISION LETTER D

OTHER DOOR PANEL STYLES



OTHER SIDELITE STYLES





APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO 01-0314.23

LIMITS: UNLESS NOTED, FRAC. : DEC. : ANG. :
EXTRUSIONS: UNLESS NOTED, STD. COM'L. TOL'S.

ENGINEER:

DR. BY J.D. | DATE 1/15/01

LTR.	REVISIONS	DATE	BY

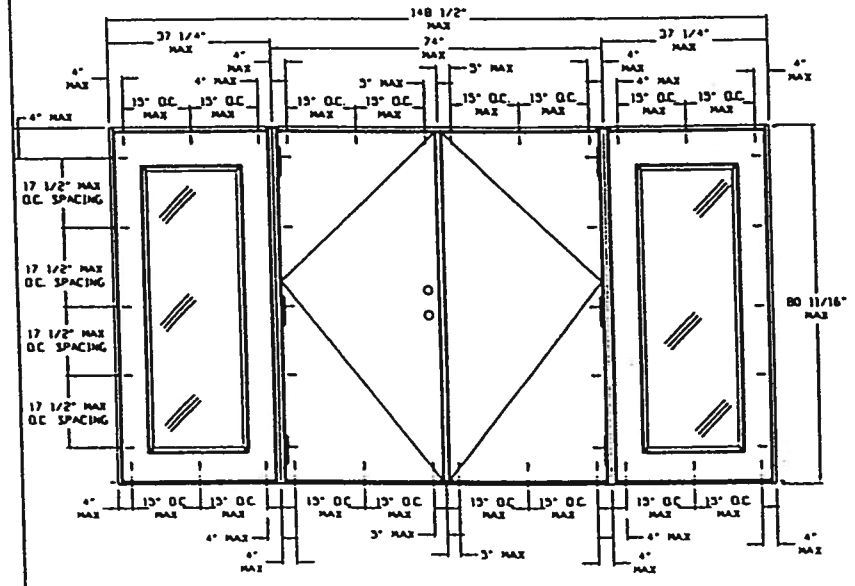
PART NAME: PREMDOR DOOR OPTIONS
MAT'L: | SCALE:

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS. 66762

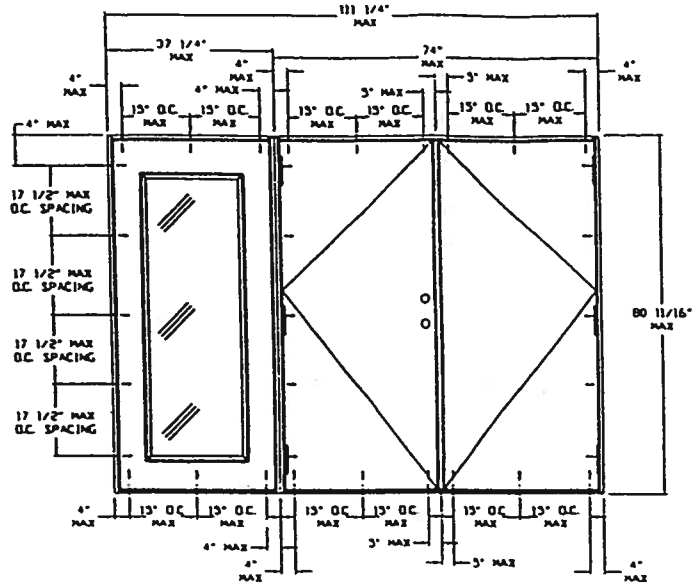
31-1029-EM-I
SHEET 6 OF 6

REVISION LETTER

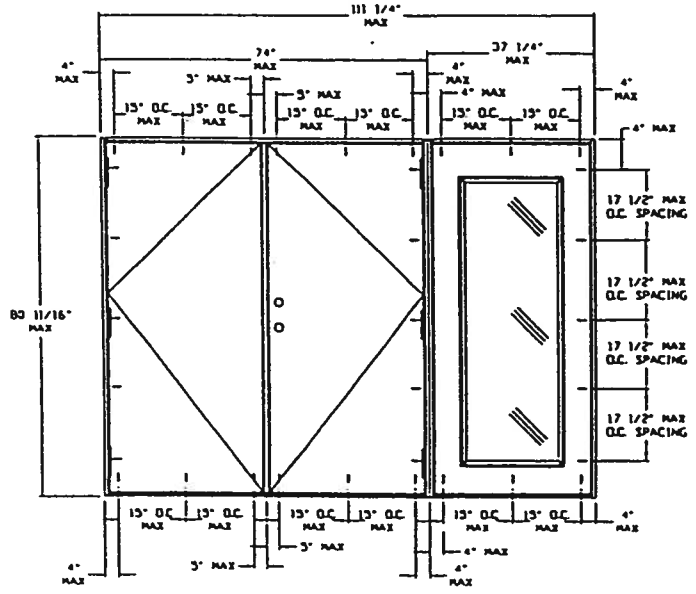
OTHER DOOR CONFIGURATIONS



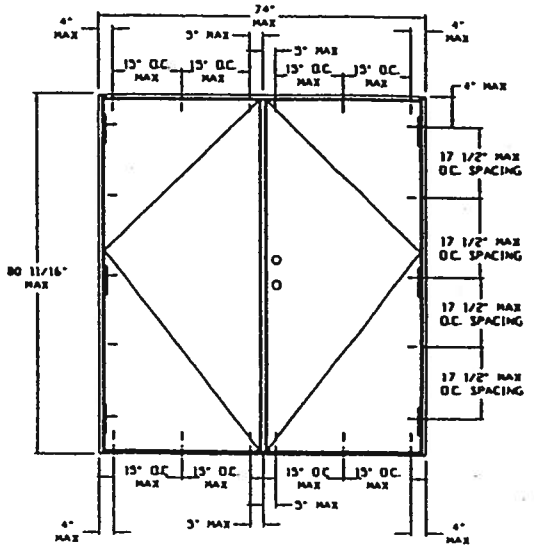
OXXO



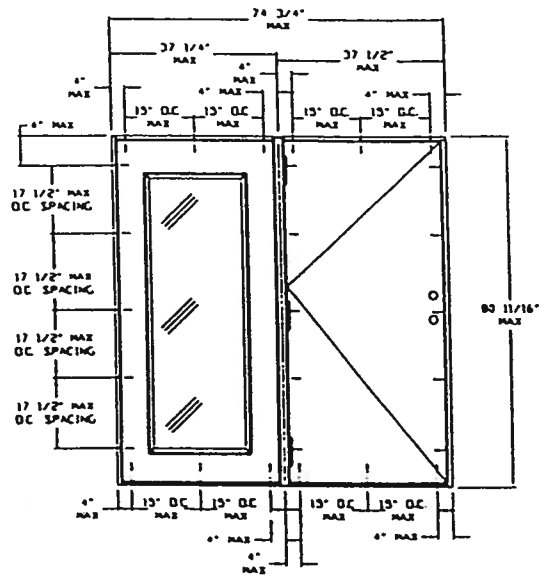
OXX



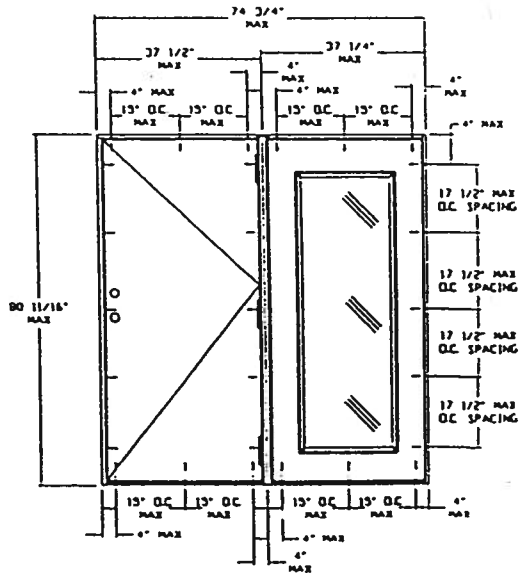
XXO



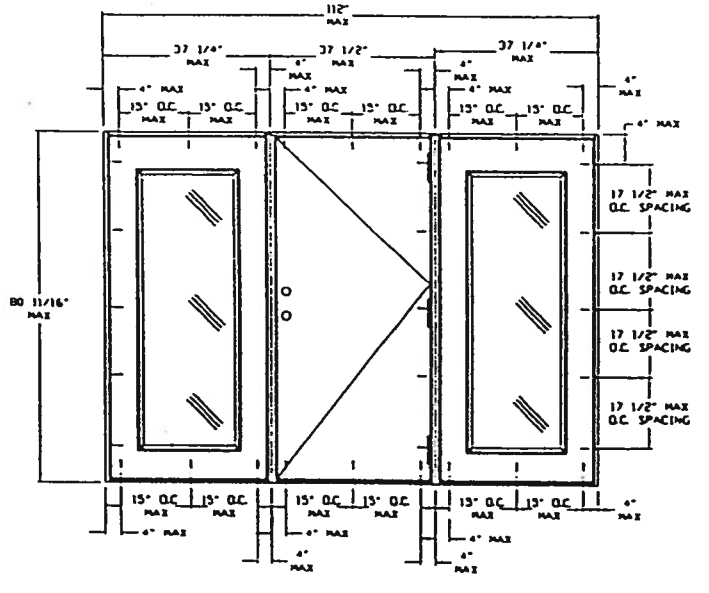
XX



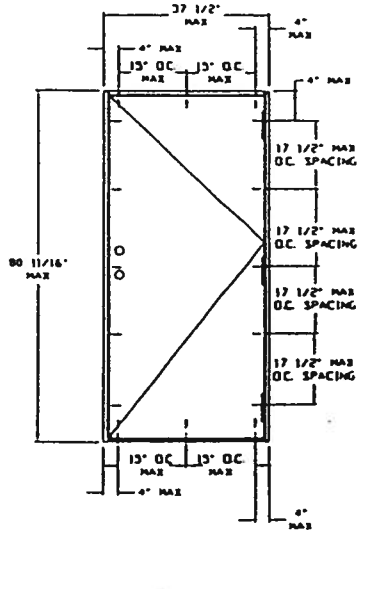
OX



XO



OXO



X

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2001
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

LIMITS: UNLESS NOTED, FRAC : DEC : ANG :
EXTRUSIONS: UNLESS NOTED, STD. COM'L. TOL'S.

ENGINEER:

DR. BY J.D. | DATE 1-11-01

LTR	REVISIONS	DATE	BY

PART NAME:

MAT'L: | SCALE:

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS. 66762

31-1029-EM-I
SHEET 5 OF 6

REVISION LETTER