

DATE 04/11/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024378

APPLICANT SAMMY KEEN PHONE 386.497.2289
ADDRESS 764 SW RIVERSIDE AVENUE FT. WHITE FL 32038
OWNER CEDRIC & SHELLIE MAY PHONE
ADDRESS 250 SW BRIGHTON COURT FT. WHITE FL 32038
CONTRACTOR GUY WILLIAMS PHONE 386.497.2289
LOCATION OF PROPERTY 47-S TO US 27 PAST BANK TO BRIGHTON CT.,TL (HOLL. EST.)
EST., 2ND LOT FOM END OF ROAD ON LEFT.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 100000.00
HEATED FLOOR AREA 2000.00 TOTAL AREA 2539.00 HEIGHT 26.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC
LAND USE & ZONING FORT WHITE MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT REAR SIDE
NO. EX.D.U. 0 FLOOD ZONE FW DEVELOPMENT PERMIT NO.

PARCEL ID 34-6S-16-04059-225 SUBDIVISION HOLLINGSWORTH ESTATES
LOT 5 BLOCK B PHASE UNIT TOTAL ACRES 0.50

CBC050690
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
FORT WHITE 06-0292-N FW JTH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. TOWN OF FT. WHITE LETTER ATTACHED.

Check # or Cash 8636

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 \$ 500.00 CERTIFICATION FEE \$ 12.70 SURCHARGE FEE \$ 12.70
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 525.40

INSPECTORS OFFICE CLERKS OFFICE

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 # 0604-17 Date Received 4/5 By JW Permit # 24378
 Application Approved by - Zoning Official _____ Date _____ Plans Examiner OK JTH Date 4-12-06
 Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
 Comments Joining 7 H White, CENs attached

Applicants Name SLK Construction Inc. Phone 386 497 2289
 Address 764 SW Riverside Av. Ft White FL 32038
 Owners Name Shellie + Cedric May Phone _____
 911 Address 250 SW Brighton Ct. Ft White FL 32038
 Contractors Name Guy N Williams Phone 386 352 0004
 Address 231 NW Burk Av. Lake City FL, 32055

Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address None
 Architect/Engineer Name & Address Tena Ruffo Mark Disosway PE POB 868 LC FL 32056
 Mortgage Lenders Name & Address Mercantile Bank Lake City FL

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

Property ID Number 4059-225 Estimated Cost of Construction 172,000.00
 Subdivision Name Hollingsworth Estates I Lot 5 Block B Unit _____ Phase _____
 Driving Directions 47 to Ft White, Left on 27 past Bank
Left on Brighton Ct. of Hollingsworth Estates 2nd Lot from End of
Road on Left.

Type of Construction New Home - 590 Number of Existing Dwellings on Property 0
 Total Acreage 1.02 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 75 Side 8 Side 21 Rear 150'
 Total Building Height 26' Number of Stories _____ Heated Floor Area 2000 Roof Pitch 8/12
Porches 539 TOTAL 2539

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 COMMENCEMENT 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.

SLK Construction Inc.
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 6 day of April

Personally known ☒ or Produced Identification _____

SLK Construction Inc.
 Contractor Signature
 Contractors License Number CBC-050690
 Competency Card Number 1020000054
 NOTARY STAMP/SEAL



Notary Signature

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **508221 CEDRIC & SHELLIE MAY RESIDENCE**
 Address: **LOT 5 Hollingsworth Estates**
 City, State: **Fort White, FL 32038-**
 Owner:
 Climate Zone: **North**

Builder:
 Permitting Office: *Columbia*
 Permit Number: *24378*
 Jurisdiction Number: *281000*

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) 2000 ft² ☐
7. Glass area & type Single Pane Double Pane
 - a. Clear glass, default U-factor 0.0 ft² 292.0 ft² ☐
 - b. Default tint, default U-factor 0.0 ft² 0.0 ft² ☐
 - c. Labeled U-factor or SHGC 0.0 ft² 0.0 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 186.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1382.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 2088.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 180.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 40.0 kBtu/hr SEER: 10.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 40.0 kBtu/hr HSPF: 7.00 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 40.0 gallons EF: 0.93 ☐
 - 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: 0.15

Total as-built points: 28638

Total base points: 29041

PASS

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

PREPARED BY: *[Signature]*
 DATE: 9/21/08

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: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: LOT 5 Hollingsworth Estates, Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2000.0	20.04	7214.4	Double, Clear	N	1.5	5.5	16.0	19.20	0.93	285.2
				Double, Clear	N	1.5	6.5	60.0	19.20	0.95	1091.5
				Double, Clear	N	12.0	9.0	20.0	19.20	0.67	256.7
				Double, Clear	N	12.0	6.5	15.0	19.20	0.63	181.3
				Double, Clear	E	0.0	0.0	30.0	42.06	1.00	1261.9
				Double, Clear	S	1.5	6.5	60.0	35.87	0.88	1886.9
				Double, Clear	S	8.0	6.5	60.0	35.87	0.49	1056.1
				Double, Clear	S	8.0	8.0	10.0	35.87	0.52	186.7
				Double, Clear	S	8.0	2.0	5.0	35.87	0.43	77.5
				Double, Clear	W	0.0	0.0	16.0	38.52	1.00	616.4
				As-Built Total:		292.0			6900.2		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1382.0		1.50 2073.0		
Exterior	1382.0	1.70	2349.4								
Base Total: 1382.0 2349.4				As-Built Total:		1382.0			2073.0		
DOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			30.0 4.10		123.0		
Exterior	50.0	6.10	305.0	Exterior Insulated			20.0 4.10		82.0		
Base Total: 50.0 305.0				As-Built Total:		50.0			205.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2000.0	1.73	3460.0	Under Attic	30.0		2088.0 1.73 X 1.00		3612.2		
Base Total: 2000.0 3460.0				As-Built Total:		2088.0			3612.2		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	186.0(p)	-37.0	-6882.0	Slab-On-Grade Edge Insulation	0.0		186.0(p) -41.20		-7663.2		
Raised	0.0	0.00	0.0								
Base Total: -6882.0				As-Built Total:		186.0			-7663.2		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
2000.0 10.21 20420.0				2000.0 10.21 20420.0							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: LOT 5 Hollingsworth Estates, Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
Summer Base Points:		26866.8		Summer As-Built Points:						25547.2	
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
26866.8		0.4266	11461.4	25547.2 25547.2	1.000 1.00	(1.090 x 1.147 x 0.91) 1.138	0.341 0.341	1.000 1.000	1.000 1.000	9920.0 9920.0	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: LOT 5 Hollingsworth Estates, Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2000.0	12.74	4586.4	Double, Clear	N	1.5	5.5	16.0	24.58	1.00	394.4
				Double, Clear	N	1.5	6.5	60.0	24.58	1.00	1477.5
				Double, Clear	N	12.0	9.0	20.0	24.58	1.02	502.2
				Double, Clear	N	12.0	6.5	15.0	24.58	1.02	377.7
				Double, Clear	E	0.0	0.0	30.0	18.79	1.00	563.8
				Double, Clear	S	1.5	6.5	60.0	13.30	1.09	872.9
				Double, Clear	S	8.0	6.5	60.0	13.30	3.07	2450.9
				Double, Clear	S	8.0	8.0	10.0	13.30	2.73	363.2
				Double, Clear	S	8.0	2.0	5.0	13.30	3.66	243.3
				Double, Clear	W	0.0	0.0	16.0	20.73	1.00	331.7
				As-Built Total:				292.0		7577.6	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1382.0	3.40		4698.8	
Exterior	1382.0	3.70	5113.4								
Base Total:		1382.0	5113.4	As-Built Total:		1382.0		4698.8			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			30.0	8.40		252.0	
Exterior	50.0	12.30	615.0	Exterior Insulated			20.0	8.40		168.0	
Base Total:		50.0	615.0	As-Built Total:		50.0		420.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2000.0	2.05	4100.0	Under Attic	30.0		2088.0	2.05 X 1.00		4280.4	
Base Total:		2000.0	4100.0	As-Built Total:		2088.0		4280.4			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	186.0(p)	8.9	1655.4	Slab-On-Grade Edge Insulation	0.0		186.0(p)	18.80		3496.8	
Raised	0.0	0.00	0.0								
Base Total:			1655.4	As-Built Total:		186.0		3496.8			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
		2000.0	-0.59					2000.0	-0.59		-1180.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: LOT 5 Hollingsworth Estates, Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		14890.2		Winter As-Built Points:				19293.6			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
14890.2		0.6274	9342.1	19293.6 19293.6		1.000 1.00	(1.069 x 1.169 x 0.93) 1.162	0.487 0.487	1.000 1.000	10923.1 10923.1	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: LOT 5 Hollingsworth Estates, Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT						
WATER HEATING				Tank	EF	Number of	X	Tank	X	Multiplier X Credit = Total
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio		Multiplier
Bedrooms										
3		2746.00		8238.0	40.0	0.93	3	1.00	2598.37	1.00 7795.1
				As-Built Total:						7795.1

CODE COMPLIANCE STATUS

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
11461		9342		8238		29041	9920		10923		7795		28638

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: LOT 5 Hollingsworth Estates, Fort White, FL, 32038-

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 6-12. 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* = 83.0

The higher the score, the more efficient the home.

, LOT 5 Hollingsworth Estates, Fort White, FL, 32038-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 40.0 kBtu/hr ___
3. Number of units, if multi-family	1	___		SEER: 10.00 ___
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft²)	2000 ft²	___		___
7. Glass area & type	Single Pane	Double Pane		___
a. Clear glass, default U-factor	0.0 ft²	292.0 ft²	13. Heating systems	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	a. Electric Heat Pump	Cap: 40.0 kBtu/hr ___
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²		HSPF: 7.00 ___
8. Floor types			b. N/A	___
a. Slab-On-Grade Edge Insulation	R=0.0, 186.0(p) ft	___	c. N/A	___
b. N/A	___	___		___
c. N/A	___	___	14. Hot water systems	
9. Wall types			a. Electric Resistance	Cap: 40.0 gallons ___
a. Frame, Wood, Exterior	R=13.0, 1382.0 ft²	___		EF: 0.93 ___
b. N/A	___	___	b. N/A	___
c. N/A	___	___	c. Conservation credits	___
d. N/A	___	___	(HR-Heat recovery, Solar	
e. N/A	___	___	DHP-Dedicated heat pump)	
10. Ceiling types			15. HVAC credits	
a. Under Attic	R=30.0, 2088.0 ft²	___	(CF-Ceiling fan, CV-Cross ventilation,	
b. N/A	___	___	HF-Whole house fan,	
c. N/A	___	___	PT-Programmable Thermostat,	
11. Ducts			MZ-C-Multizone cooling,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 180.0 ft	___	MZ-H-Multizone heating)	
b. N/A	___	___		
	___	___		
	___	___		

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.*

EnergyGauge® (Version: FLR2PB v3.4)

20110-100

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 5 Hollingsworth Estates
Lot 5 SW Brighton Court Ft. White, FL 32038
2. General Description of Improvements: Residential Construction
3. Name and Address of Owner: Cedric N. May & Shellee C. May
P.O. Box 477
Ft. White, FL 32038
- Interest in Property: Fee Simple
- Name and Address of Fee Simple Titleholder (if other than owner): N/A
4. Name and Address of Contractor: S.L.K. Construction, Inc.
764 S.W. Riverside Ave.
Fort White, FL 32038
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
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: Cedric N. May & Shellee C. May

Cedric N. May
Shellee C. May

STATE OF FLORIDA
COUNTY OF: Columbia

I HEREBY CERTIFY that before me personally appeared _____
to me personally known or who has produced _____ 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 _____
of _____ 2005.

Columbia County and State, this 24th day



Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Troy Pain - Insurance, Inc. 800-385-7019

Notary Public
Print Name: _____

My Commission Expires: _____

Inst: 2006005131 Date: 03/02/2006 Time: 09:16
P. 7 DC, P. Dewitt Cason, Columbia County B: 1075 P: 2422

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 5
Lot 5 SW Brighton Court Hollingsworth Estates
Pt. White, FL 32038
2. General Description of Improvements: Residential Construction
3. Name and Address of Owner: Cedric N. May & Shellee C. May
P.O. Box 477
Ft. White, FL 32038

Interest in Property: Fee Simple
Name and Address of Fee Simple Titleholder (If other than owner): N/A
4. Name and Address of Contractor: S.L.K. Construction, Inc.
764 S.W. Riverside Ave.
Fort White, FL 32038
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
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: Cedric N. May & Shellee C. May

Cedric N. May
Shellee C. May

STATE OF FLORIDA

COUNTY OF: Columbia

I HEREBY CERTIFY that before me personally appeared _____ 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 Columbia County and State, this 24th day of February, 2005.

Martha Bryan

Commission # DD232534

Expires August 10, 2007

Bonded Troy Pain - Insurance, Inc. 800-385-7019

Notary Public

Print Name: _____

My Commission Expires: _____

Inst: 2006005131 Date: 03/02/2006 Time: 09:16
 7-DC, P. Dewitt Cason, Columbia County B:1075 P:2422



Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129
Town Hall - (386) 497-2321 • Public Works - (386) 497-3345
Email: townofftwhite@alltel.com • Web site: Townoffortwhitefl.com

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort
White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Cedric & Shellie May

ADDRESS: 250 SW Brighton Ct. Fort White, FL 32038

PROPERTY DESCRIPTION: parcel #4059-225
(parcel number if possible) Hollingsworth Estates Lot 5 Block B

DEVELOPMENT: Single Family Dwelling RSF-1

You are hereby authorized to issue the appropriate building permits.

07 MAR 06

DATE


LAND DEVELOPMENT REGULATION
ADMINISTRATOR
TOWN OF FORT WHITE

District #1
Donald Cook
497-1086

District #2
Henry Maini
497-2992

District #3
John Gloskowski
497-3999

District #4
Demetric Jackson
497-2078

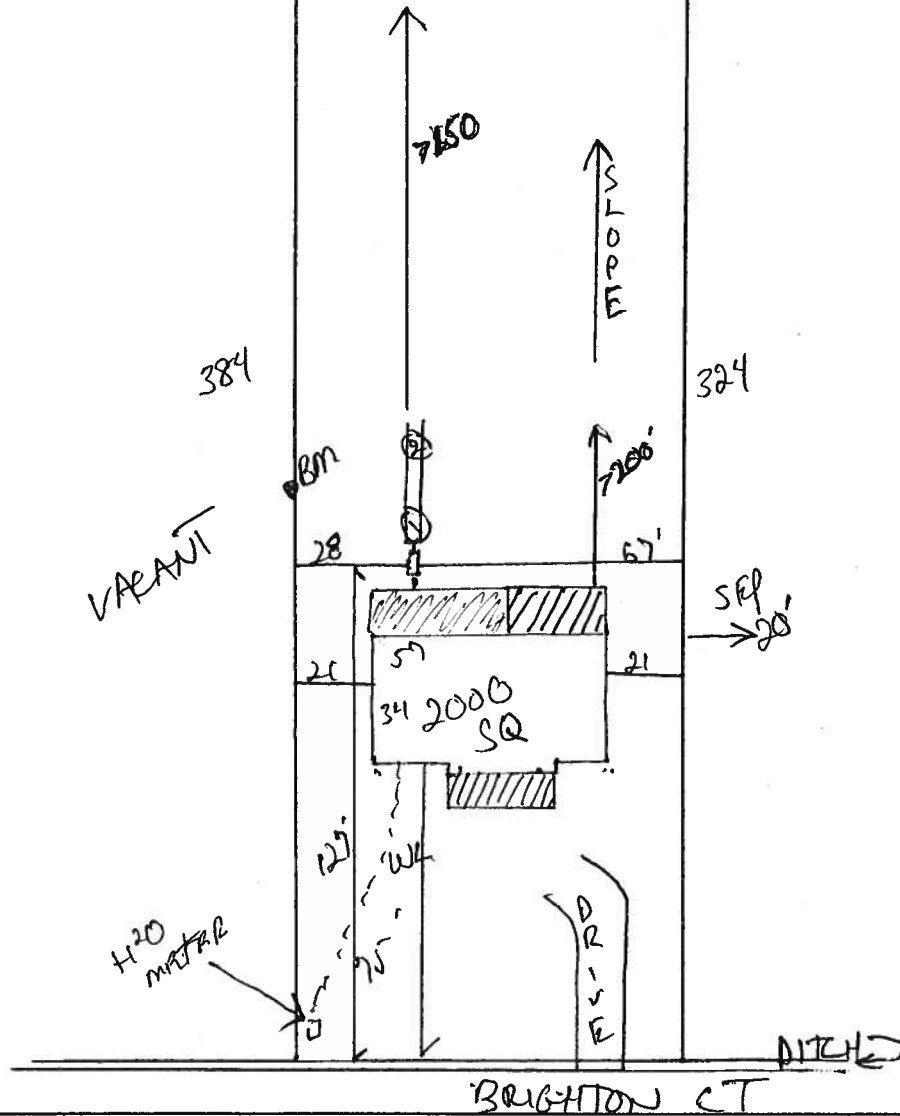
Mayor
Truett George
497-4741

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0292N

----- PART II - SITEPLAN -----

Scale: 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Rod D F

MASTER CONTRACTOR

Plan Approved ☒ Not Approved ☐

Date 3/31/06

By Mr D F County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 • FAX: (386) 758-1365 • Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 2/23/2006 **DATE ISSUED:** 3/2/2006

ENHANCED 9-1-1 ADDRESS:

250 SW BRIGHTON CT

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

34-6S-16-04059-225

Remarks:

LOT 5 BLOCK B HOLLINGSWORTH ESTATES S/D

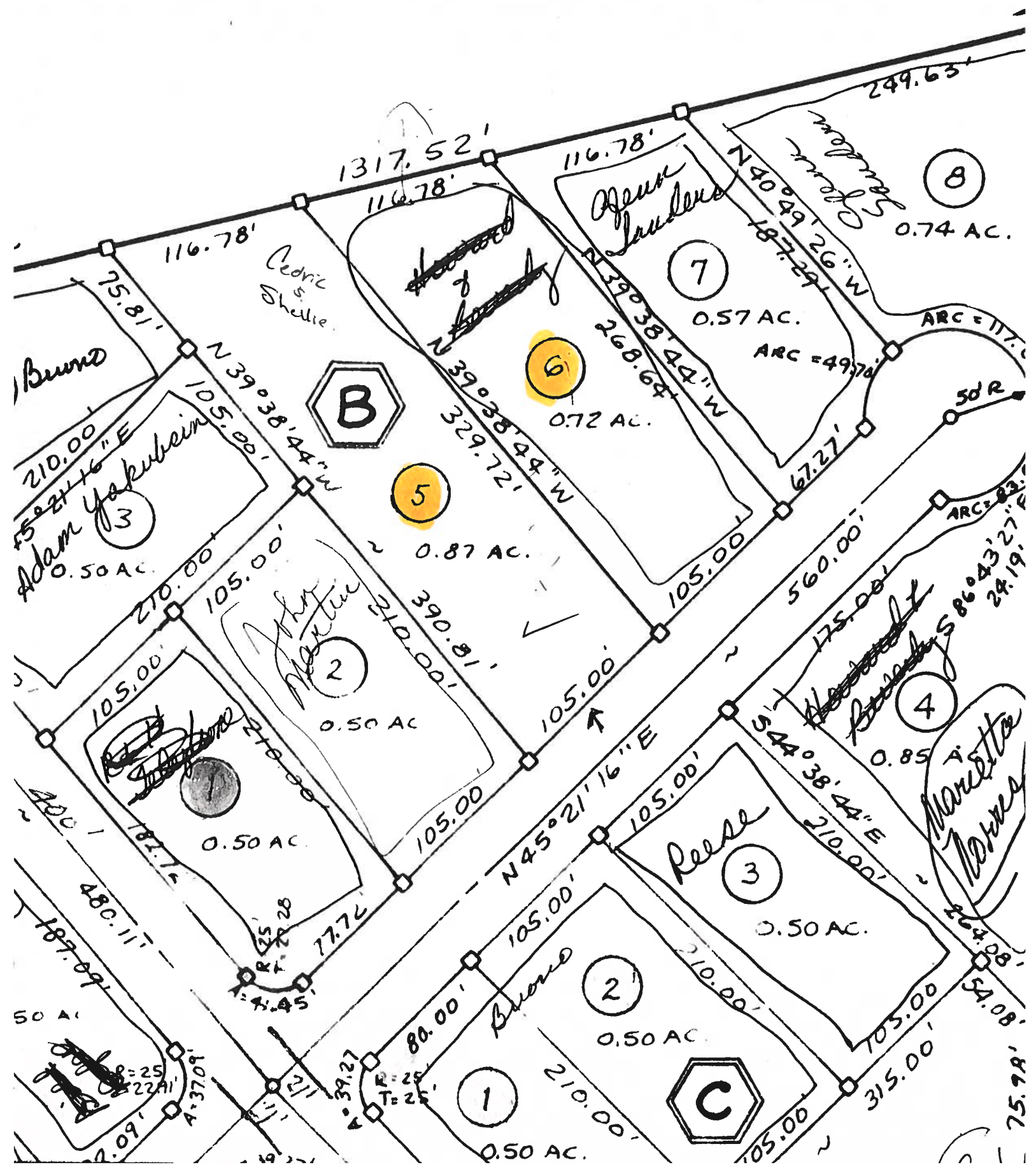
Address Issued By:


Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

91

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED



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Columbia County
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 AG 000
 Bldg 000
 Xfea 000
 17000 TOTAL B

MAY CEDRIC N & SHELLIE C

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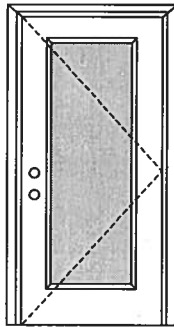
Mnt 3/10/2006 KYLIE

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

X

Glazed Inswing Unit

COP-WL-MA0141-02

FIBERGLASS 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".



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.itswh.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

Single Door

Maximum unit size = 3'0" x 6'8"

Design Pressure

+52.0/-52.0

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is 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 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



133, 135 Series



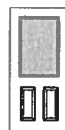
136 Series



822 Series

1/2 GLASS:

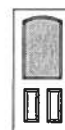
105 Series



106, 160 Series*



129 Series*

12 R/L, 23 R/L, 24 R/L
Series*

107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door style: Eyebrow 5-panel with scroll.

Oakcraft™
Wood-grain & Textured
FIBERGLASS ENTRY DOORS

ARTEK™
Non-Textured Fiberglass Entry Doors

PREMDOR™ Collection
Premium Quality Doors

Exclusively from
Masonite®
Masonite International Corporation

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

X

Glazed Inswing Unit

COP-WL-MA0141-02

FIBERGLASS DOORS**APPROVED DOOR STYLES:
3/4 GLASS:**

404 Series



410 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

CTLA-805W-2

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. Interior cavity of slab filled with rigid polyurethane foam core. Slab 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 PA202

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).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



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.itswh.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

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Oakcraft
Wood-Grain Textured
FIBERGLASS ENTRY DOORS

ARTEK
Non-Textured Fiberglass Entry Doors

PREMDOR Collection
Premium Quality Doors

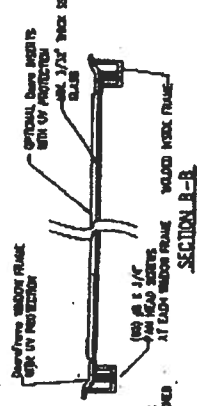
Exclusively from
Masonite
Masonite International Corporation

June 17, 2002

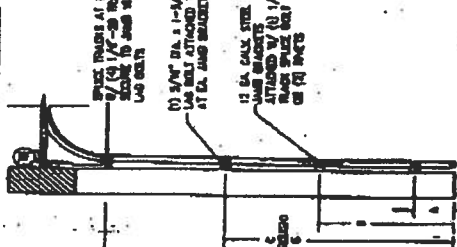
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

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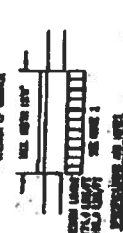
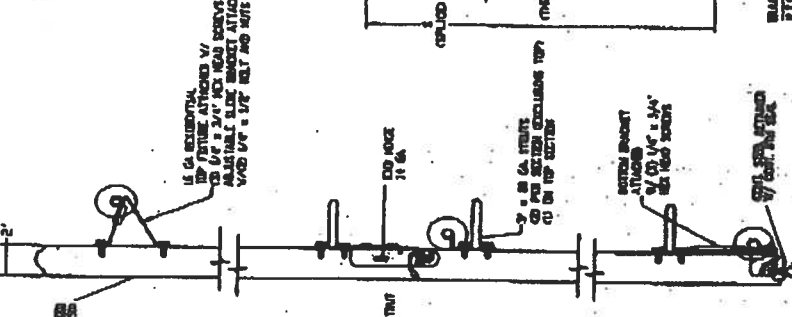
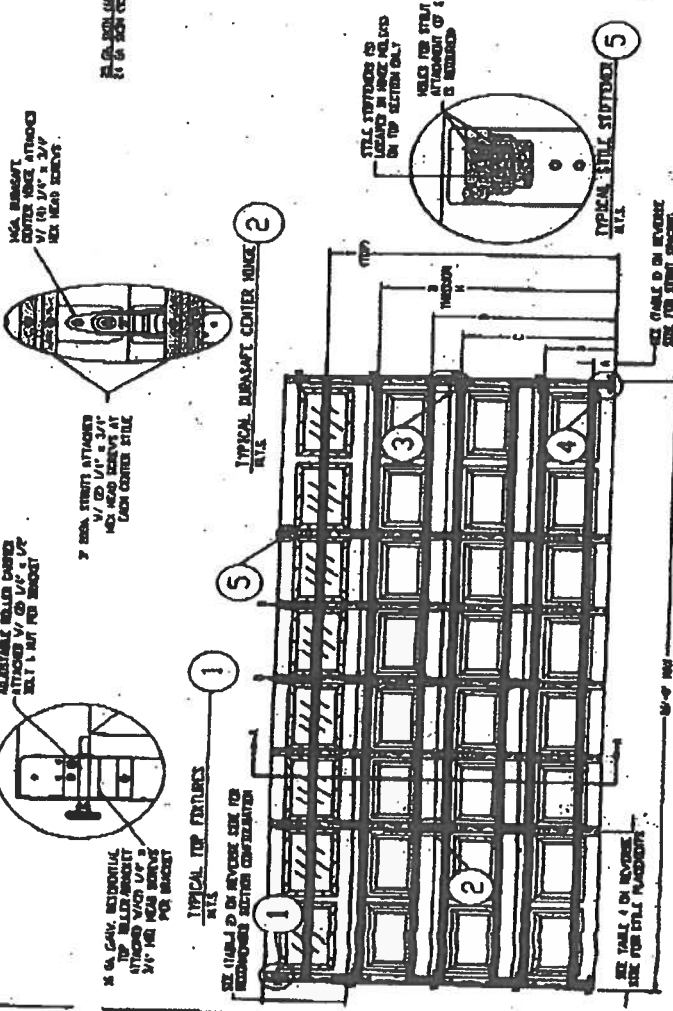
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NEW YORK 17, N.Y.

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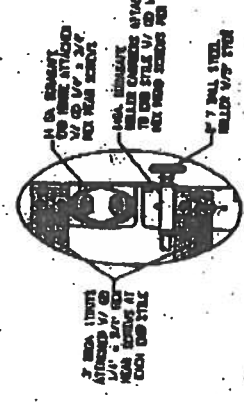
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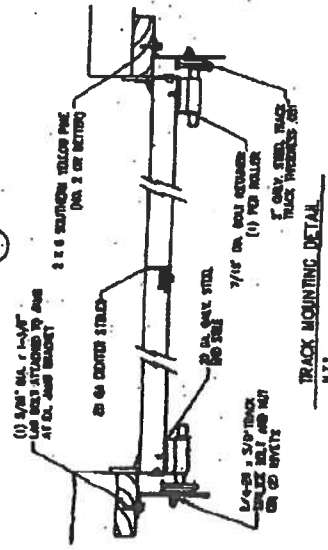
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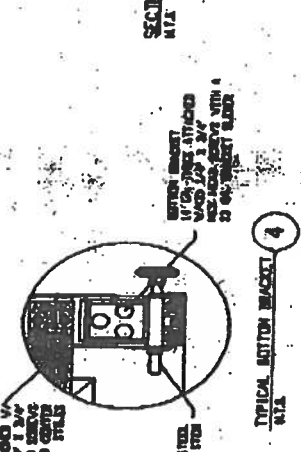
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RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ——— 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ——— 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u> Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m ²) to be used for the design of exterior component and cladding materials not specifi ally designed by the registered design professional.
☒	☐	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation

d) Location, size and height above roof of chimneys.

e) Location and size of skylights

f) Building height

e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned.

b) Shear walls identified.

c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).

d) Show safety glazing of glass, where required by code.

e) Identify egress windows in bedrooms, and size.

f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).

g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.

h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.

b) All posts and/or column footing including size and reinforcing

c) Any special support required by soil analysis such as piling

d) Location of any vertical steel.

Roof System:

a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:

1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiteicide or alternative method)
10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

- ☒
- ☐

- 10 of 10

Page 10 of 10

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- 1000

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1 / 1

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Location: Lots 3465 1604059-225

Project Name: May

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Capital		
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed	Capital		
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	EIK		
2. Underlayments	Tamco		
3. Roofing Fasteners	Sincro		
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

Residential System Sizing Calculation

Summary

LOT 5 Hollingsworth Estates
Fort White, FL 32038-

508221 CEDRIC & SHELLIE MAY RESIDENCE

Class 3 Rating
Registration No. 0
Climate: North

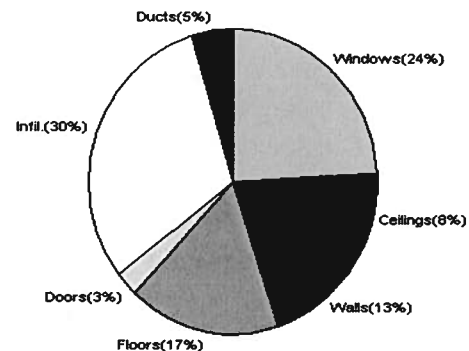
9/21/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	33992 Btuh	Total cooling load calculation	32621 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.7 40000	Sensible (SHR = 0.75)	125.3 30000
Heat Pump + Auxiliary(0.0kW)	117.7 40000	Latent	115.2 10000
		Total (Electric Heat Pump)	122.6 40000

WINTER CALCULATIONS

Winter Heating Load (for 2000 sqft)

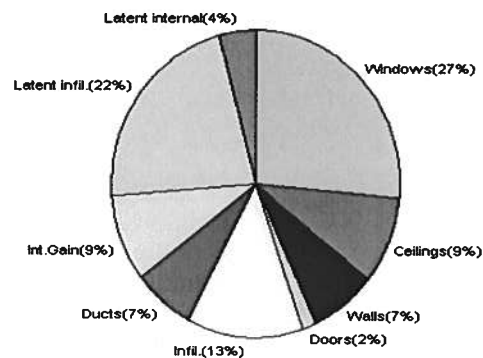
Load component		Load	
Window total	292 sqft	8264	Btuh
Wall total	1382 sqft	4284	Btuh
Door total	50 sqft	917	Btuh
Ceiling total	2088 sqft	2714	Btuh
Floor total	186 ft	5878	Btuh
Infiltration	240 cfm	10317	Btuh
Subtotal		32373	Btuh
Duct loss		1619	Btuh
TOTAL HEAT LOSS		33992	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2000 sqft)

Load component		Load	
Window total	292 sqft	8724	Btuh
Wall total	1382 sqft	2405	Btuh
Door total	50 sqft	507	Btuh
Ceiling total	2088 sqft	2965	Btuh
Floor total		0	Btuh
Infiltration	210 cfm	4166	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		21767	Btuh
Duct gain		2177	Btuh
Total sensible gain		23944	Btuh
Latent gain(infiltration)		7297	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		8677	Btuh
TOTAL HEAT GAIN		32621	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE:

9/21/05

System Sizing Calculations - Winter

Residential Load - Component Details

LOT 5 Hollingsworth Estates
Fort White, FL 32038-

508221 CEDRIC & SHELLIE MAY RESIDENCE

Project Title:

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

9/21/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	16.0	28.3	453 Btuh
2	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
3	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
4	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
5	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
6	2, Clear, Metal, DEF	S	60.0	28.3	1698 Btuh
7	2, Clear, Metal, DEF	S	60.0	28.3	1698 Btuh
8	2, Clear, Metal, DEF	S	10.0	28.3	283 Btuh
9	2, Clear, Metal, DEF	S	5.0	28.3	142 Btuh
10	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
Window Total			292		8264 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1382	3.1	4284 Btuh
Wall Total			1382		4284 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		30	18.3	550 Btuh
2	Insulated - Exter		20	18.3	367 Btuh
Door Total			50		917Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2088	1.3	2714 Btuh
Ceiling Total			2088		2714Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	186.0 ft(p)	31.6	5878 Btuh
Floor Total			186		5878 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	18000(sqft)	240	10317 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				240	10317 Btuh

Totals for Heating	Subtotal	32373 Btuh
	Duct Loss(using duct multiplier of 0.05)	1619 Btuh
	Total Btuh Loss	33992 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

LOT 5 Hollingsworth Estates
Fort White, FL 32038-

508221 CEDRIC & SHELLIE MAY RESIDENCE

Project Title:

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

9/21/2005

Window	Type		Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	5.5	16.0	0.0	16.0	22	22	352	Btuh
2	2, Clear, DEF, N, N	N	1.5	6.5	60.0	0.0	60.0	22	22	1320	Btuh
3	2, Clear, DEF, N, N	N	12	9	20.0	0.0	20.0	22	22	440	Btuh
4	2, Clear, DEF, N, N	N	12	6.5	15.0	0.0	15.0	22	22	330	Btuh
5	2, Clear, DEF, N, N	E	0	0	30.0	0.0	30.0	22	72	2160	Btuh
6	2, Clear, DEF, N, N	S	1.5	6.5	60.0	60.0	0.0	22	37	1320	Btuh
7	2, Clear, DEF, N, N	S	8	6.5	60.0	60.0	0.0	22	37	1320	Btuh
8	2, Clear, DEF, N, N	S	8	8	10.0	10.0	0.0	22	37	220	Btuh
9	2, Clear, DEF, N, N	S	8	2	5.0	5.0	0.0	22	37	110	Btuh
10	2, Clear, DEF, N, N	W	0	0	16.0	0.0	16.0	22	72	1152	Btuh
	Window Total				292					8724	Btuh
Walls 1	Type		R-Value		Area			HTM		Load	
	Frame - Exterior		13.0		1382.0			1.7		2405 Btuh	
	Wall Total				1382.0					2405 Btuh	
Doors 1 2	Type				Area			HTM		Load	
	Insulated - Exter				30.0			10.1		304 Btuh	
	Insulated - Exter				20.0			10.1		203 Btuh	
	Door Total				50.0					507 Btuh	
Ceilings 1	Type/Color		R-Value		Area			HTM		Load	
	Under Attic/Dark		30.0		2088.0			1.4		2965 Btuh	
	Ceiling Total				2088.0					2965 Btuh	
Floors 1	Type		R-Value		Size			HTM		Load	
	Slab-On-Grade Edge Insulation		0.0		186.0 ft(p)			0.0		0 Btuh	
	Floor Total				186.0					0 Btuh	
Infiltration	Type		ACH		Volume			CFM=		Load	
	Natural		0.70		18000			210.4		4166 Btuh	
	Mechanical							0		0 Btuh	
	Infiltration Total							210		4166 Btuh	

Internal gain	Occupants		Btuh/occupant		Appliance	Load
	6		X 300 +			
						1200
						3000 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

LOT 5 Hollingsworth Estates
Fort White, FL 32038-

Project Title:
508221 CEDRIC & SHELLIE MAY RESIDENCE

Class 3 Rating
Registration No. 0
Climate: North

9/21/2005

Totals for Cooling	Subtotal	21767 Btuh
	Duct gain(using duct multiplier of 0.10)	2177 Btuh
	Total sensible gain	23944 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7297 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	32621 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

in swing

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: The Ceco Series Single Flush / Embossed Inswing Commercial Steel Doors -Impact

APPROVAL DOCUMENT: Drawing No RD0728, titled "3-0 x 7-0, Series Regent, Omega, Imperial, Versa door", prepared by manufacturer, sheets 1 through 9 of 9 dated 05/22/02 and latest revised on 10-10-02, 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.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: 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", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA 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 NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No 02-0807.04
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1

Frame Corners Welded (T3)

40" Max

12 ga (.093" min) Closer Reinforcement (Optional)

Caulk Frame Perimeter

4

X

15 16

Viewer Optional

Deadbolt Optional w/ Lock 1

1A

Options

1 2 3

Stroke

Dim 'A' Door Max

88" Max

41 13/16"

Dim 'B'

Flush Design

4

Caulk Underneath Threshold

Y

X

26

27

Honeycomb Dr Urethane Foam Core

20

*All Dimensions Are Inches.

In-Swing Door (Exterior View)

Dim 'A' Dim 'B'

3/4" Undercut 83 1/8 3/4

3/8" Undercut 83 1/2 3/8

Approved as complying with the Florida Building Code

Date: OCTOBER 31, 2002

NOA# 02-0807-04

National Door Products Company

By: [Signature]

1-774-9964

Frame Corners Welded (T3)

40" Max

12 ga (.093" min) Closer Reinforcement (Optional)

Caulk Frame Perimeter

4

X

15 16

Viewer Optional

Deadbolt Optional w/ Lock 1

1A

Options

1 2 3

Stroke

Dim 'A' Door Max

88" Max

41 13/16"

Dim 'B'

Embossed Design

4

Caulk Underneath Threshold

Y

X

20

Water Optional

20

*All Dimensions Are Inches.

In-Swing Door (Exterior View)

Dim 'A' Dim 'B'

3/4" Undercut 83 1/8 3/4

3/8" Undercut 83 1/2 3/8

Approved as complying with the Florida Building Code

Date: OCTOBER 31, 2002

NOA# 02-0807-04

National Door Products Company

By: [Signature]

1-774-9964

Design Pressure Rating

Where Water Infiltration Requirement Is Needed	Where Water Infiltration Requirement Is Not Needed
Positive	Not Approved
Negative	Not Approved
	+70 PSF
	-70 PSF

Notes:

- 1) In-swing Not Approved For Water Infiltration Protection System
- 2) This Door Does Not Need A Hurricane Protection System
- 3) Hinge Spacing Is 33" O.C., 13" From Top Of Frame & 9" From The Bottom.

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

3-0 x 7-0 Series

Regent, Omega, Imperial, & Versadoor In-Swing Elevation Drawing

CECO DOOR PRODUCTS

Milan, Tennessee 38358

ISSUE

REVISIONS

DRAWN BY: LT

DATE: 5/22/02

DRAWING NUMBER: RD0728

Sheet 1 of 9

Revised Per Marked-Up Drawings From Ismaq Change.

Revised Per Marked-Up Drawings From Ismaq Change.

Masonry 'T' Anchor

Min. 3500 PSI

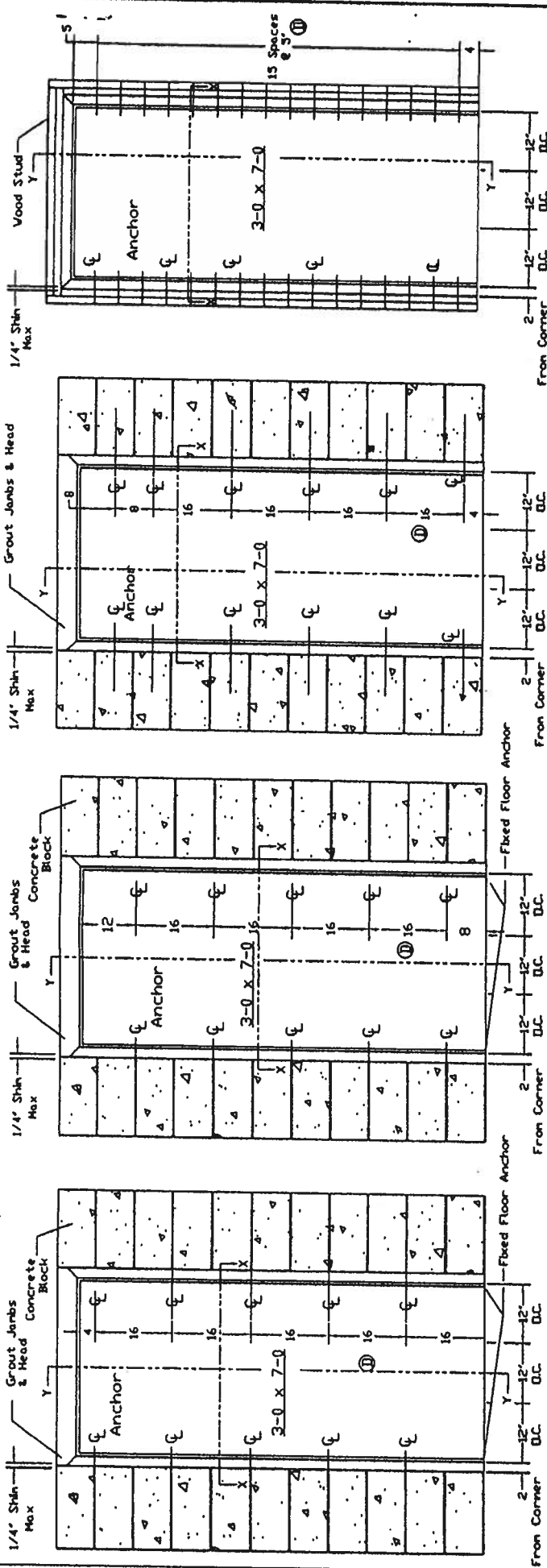
Masonry Wire Anchor

Min. 3500 PSI

Existing Opening V/Lockbolt or Sleeve Anchor Into Block

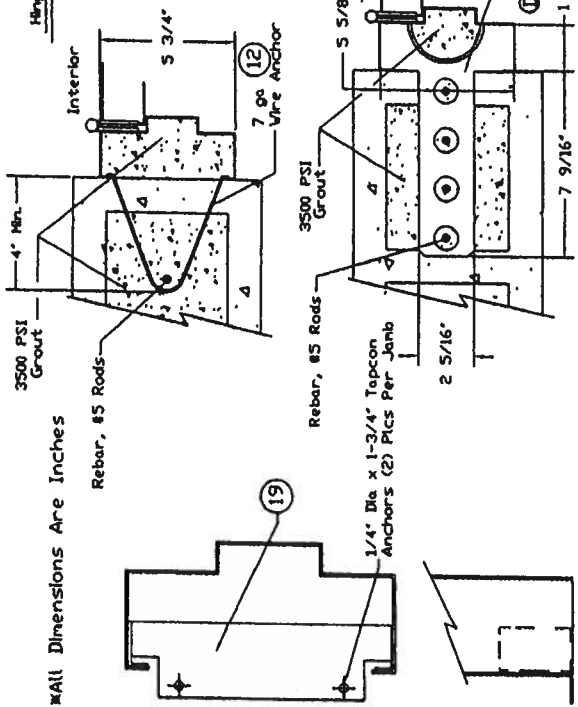
Min. 3500 PSI

Existing Opening Anchor Into Wood Stud



ALL Dimensions Are Inches

Installation Details
Huge Jamb / Lock Jamb



Approved as complying with the
Florida Building Code
Date OCT 31, 2002
NOAH 02-03-07-04
Miami Dade Product Control
Division
By: Greg J. Chavira

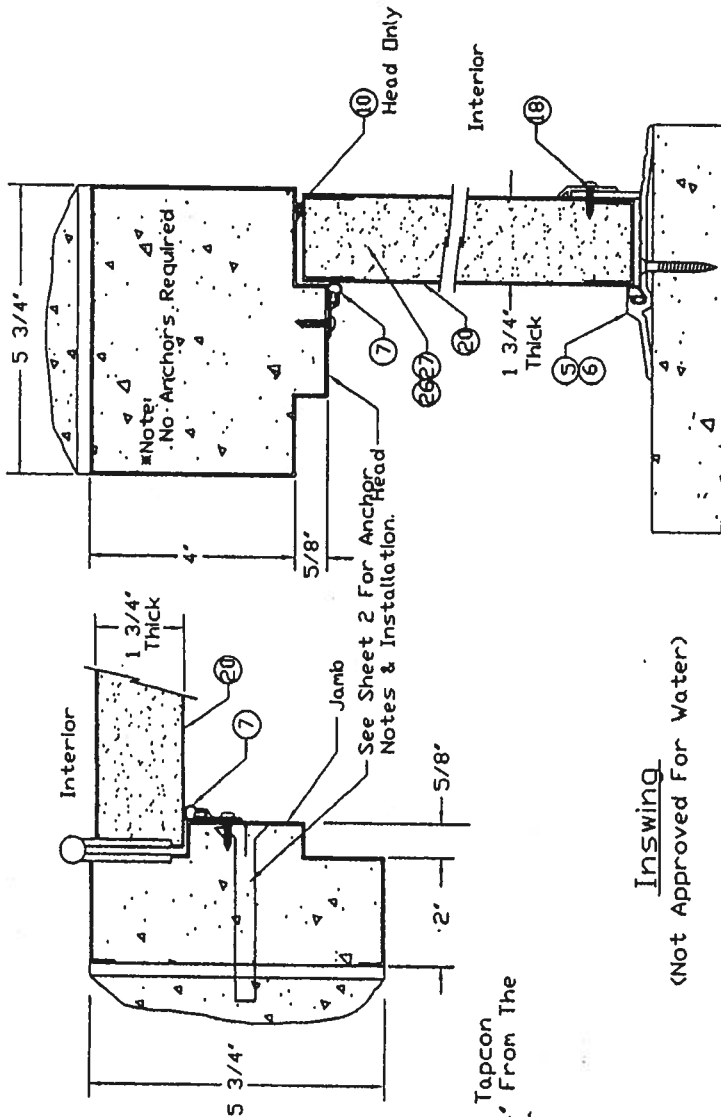
Revised Per Marked
Up Drawings From
Ishaq Chandra.

ISSUE	REVISIONS
A	Revised Per Marked Up Drawings From Ishaq Chandra.
LT	DATE: 5/22/02
DRAWN BY:	LT
DRAWING NUMBER:	RD0728
	Sheet 2 of 9

Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

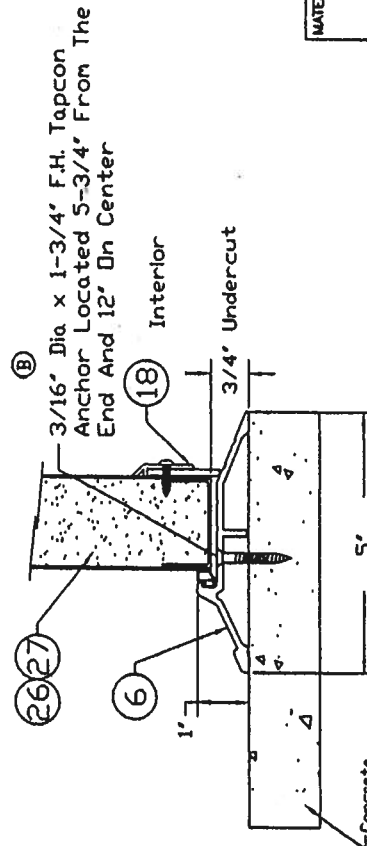
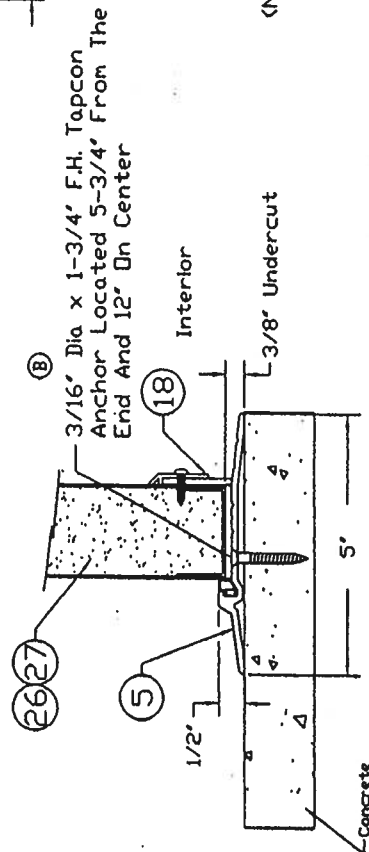
*Note: Structural Member At Header Must Be Designed To Carry 58.3#/ft. load Imposed And Must Be Reviewed By Building Official.



Section Y-Y

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.



Approved as complying with the
Florida Building Code
Date: OCT 31, 2002
NOAH 02-0307.04
Miami Dade Product Control
Division
By: [Signature]

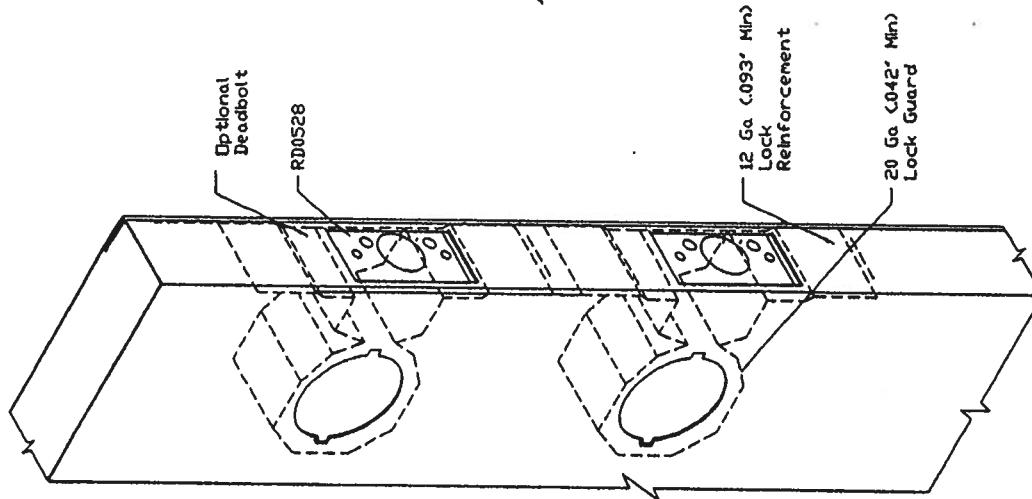
ISSUE	REVISIONS
D	Revised Per Marked-Up
L.T.	Brassings From Ishuaq
C	Revised Per Marked-Up
L.T.	Brassings From Ishuaq

DRAWN BY	DATE
LT	5/22/02

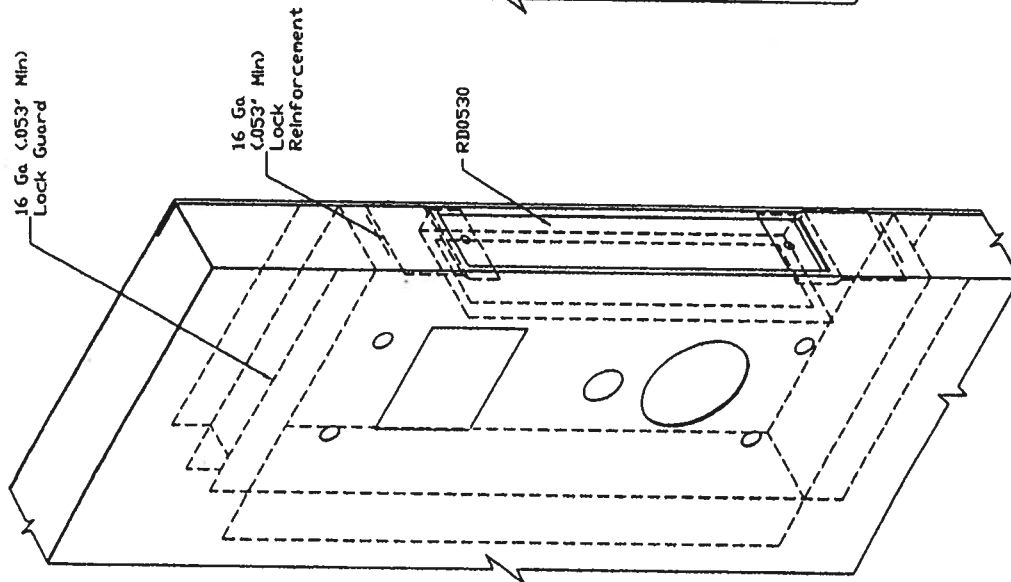
RD0728
Sheet 3 of 9

Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

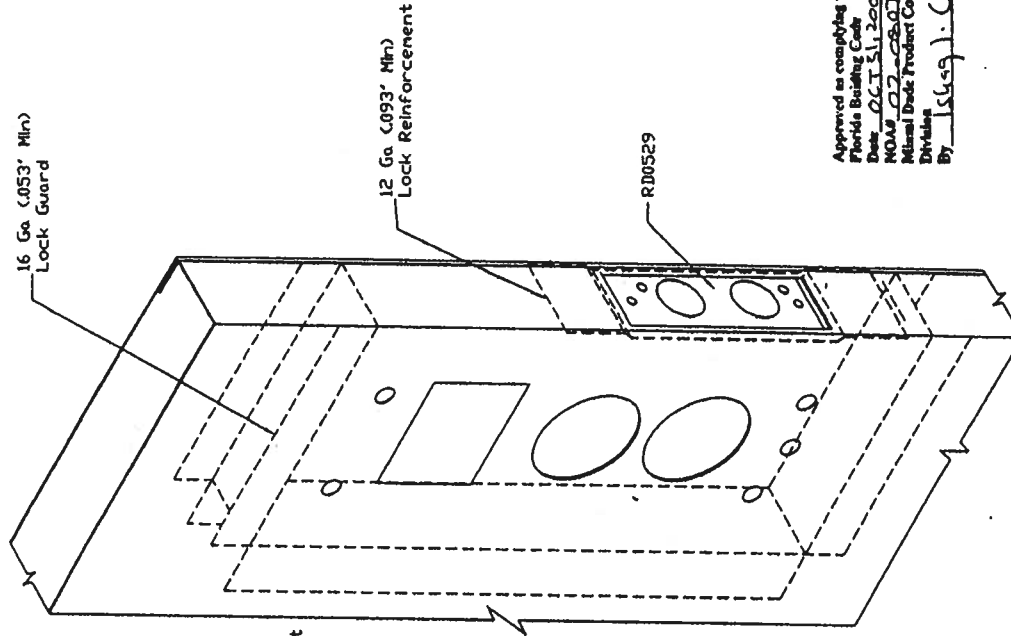
CECO DOOR PRODUCTS
Milan, Tennessee 38358



Schlage AL53PD



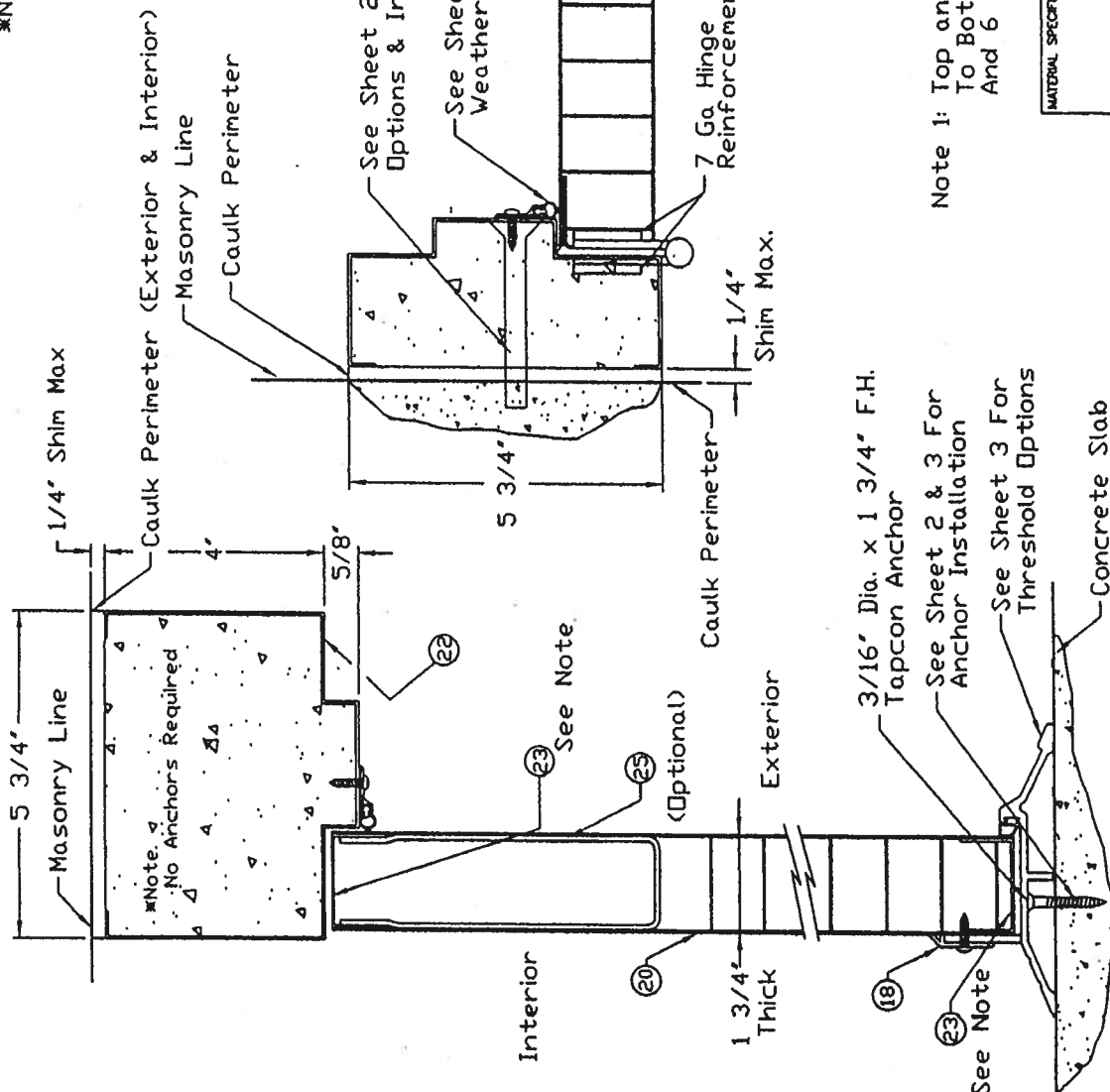
Saflok MI



Saflok Premier SL2500

Approved as complying with the
Florida Building Code
Date: OCT 11, 2002
MOAW OCT 11, 2002
Minimal Trade Product Control
Division
By: [Signature]

Schlage AL53PD		Saflok MI		Saflok Premier SL2500							
MATERIAL SPECIFICATIONS:						Lock Reinforcement (Inswing Doors)					
						Regent, Omega, Imperial, Versadoor Reinforcement Details					
						 CECO DOOR PRODUCTS					
						Milan, Tennessee 38358					
A		Added RD0528, RD0529 & RD0530.		ISSUE		REVISIONS					
9/28/02		LT		DRAWN BY: LT		DATE: 5/28/02					
				DRAWING NUMBER:		RD0728					
						Sheet 4 of 9					



Section X-X

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

MATERIAL SPECIFICATIONS:

Cross Section View
(Inswing Doors)
Regent Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02

RD0728
Sheet 5 of 9

With
Approved as complying with the
Florida Building Code
Date 02/3/2002
NOAA 02-0207.04
National Data Product Center
Division
John B. Land

C LT	Revised Per Marked -up Drawings From Ishaq Chanda.
B LT	Revised Per Marked -up Drawings From Ishaq Chanda.

***Note:** Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

**Cross Section View
(In-Swing Doors)
Omega Handed Door**

MATERIAL SPECIFICATIONS:

CECO DOOR PRODUCTS
Milan, Tennessee 37158

REVISIONS

ISSUE	DATE	BY
A	5/23/02	LT

DRAWING NUMBER: RD0728 Sheet 6 of 9

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

WATERBURY SPECIFICATIONS:

Cross Section View
(In-Swing Doors)
Omega Handed Door

CECO DOOR PRODUCTS
Millon, Tennessee 38358

B 02/02 LT	Revised Per Marked -up Drawings From Ishaq Chando.	A 02/02 LT	Revised Per Marked -up Drawings From Ishaq Chando.
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ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/23/02

DRAWING NUMBER: RD0728
Sheet 6 of 9

Section Y-Y

[illegible]

Detail 'A'

Approved as complying with
Florida Building Code
Date OCT 31 2002
NOAH 02-0807-04
Miami Dade Product Centre
Division
By Shane J. Claude

B	Revised Per Marked- up Drawings From LT Listed Change.
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/23/02
DRAWING NUMBER: RD0728 Sheet 7 of 9	

**Gross Section View
(In-Swing Doors)
Imperial Handed Door**

RD0728
Sheet 7 of 9

Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3\" From Lock Edge And 6 Inches On Center.

Section Y-Y

Labels include: Wood Buck, 1/4\" Shim Max, Caulk Perimeter (Exterior & Interior), Wood Installation, Caulk Perimeter, See Sheet 2 For Anchor Options & Installation, See Sheet 3 For Weatherstrip Options, Exterior, Interior, 7 Ga. Hinge Reinforcement, Caulk Perimeter, 1/4\" Shim Max., Detail 'A', Embossed Skins Optional, 3/16\" Dia. x 1 3/4\" F.H. Tapcon Anchor, See Sheet 2 & 3 For Anchor Installation, See Sheet 3 For Threshold Options, Concrete Slab.

Approved as complying with the Florida Building Code Date: OCT 11, 2002 NOAH Q2-2507-01 Missal Door Product Control Division By: J. L. Casper, J. C. Lytle		Revised Per Marked-up Drawings From LT Isteg Chanda. ISSUE NO. DATE: 5/23/02	
DRAWN BY: LT		CHECKED BY: LT	
PROJECT: RD0728		SHEET: 6 OF 9	

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.

Detail 'A'

Section X-X

Section Y-Y

MATERIAL SPECIFICATIONS:	Cross Section View (In-Swing Doors) Versadoor Handled Door	 CECD DOOR PRODUCTS Miln, Tennessee 38358
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Approved as complying with the
Florida Building Code
Date OCT 21, 2002
NOAH 02-0807-04
Miami Dade Product Control
Division
By 15405 J. Claydon

B w/m LT	Revised Per Marked- Up Drawings From Ishaq Chanda.
----------------	--

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/23/02

RD00728
Sheet 8 of 9

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) ①	Schlage	B100
2	Dr Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Dr Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Penko	2005AV36
6	Dr	Penko	181AV36
7	Weatherstrip	Penko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Dr (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Penko	S88
11	Frame Anchor	Masonary Tee (RD0057)	16 ga (.053' min) Galv Steel Fymin = 30ksi
12	Dr	Wire, Relaxed Dimension 9' x 8'	#7 (.167' min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Dr	Expansion Bolt	3/8" x 5' F.H. Rawl Lok/Bolt Dr 3/8" x 5' F.H. Ramset/RED Head
14	Dr	Wood Lag Screw	3/8" x 4-5/8"
15	Viewer	Hager	1755
16	Dr	MAG Security	8724-C
17	Drip Cap/ Top	Penko	346
18	Sweep	Penko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053' min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053' min)
21	Series SF, Frame Jamb, Double Rabbit Profile, A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	2' Face, 5-3/4' Depth Min. (RD0033)
22	Series SF, Frame Head, Double Rabbit, Profile A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4' Face, 5-3/4' Depth Min. (RD0033)
23	Door Channels/ Spot Welded To Bottom Skin	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1'
24	Glued To Top Skin/ Tack Welded To Both	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1'
25	Door Channels/ Spot Welded To Bottom Skin	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1'
26	Taped To Top Skin/ Tack Welded To Both	12 Ga (.093' min) CS Type B	12 ga (.093' min) x 5-3/8' x 16'
27	Closer Reinforcement (Optional)	Non-impregnated Kraft Paper (E)	2 lb/ft ² Density
28	Honeycomb Core	Foam Enterprises	
29	Urethane Core		

Approved as complying with the
Florida Building Code
Date: Oct 31, 2002
MOA#: 22-0807-04
Allied Dade Product Control
Division
By: 1. C. K. n. l.

B		Revised Per Marked- 10/10/02 Up Drawings From LT	
A		Revised Per Marked- 9/4/02 Up Drawings From LT	
ISSUE		REVISIONS	
DRAWN BY: LT		DATE: 5/28/02	
DRAWING NUMBER: RD0728		Sheet 9 Of 9	

MATERIAL SPECIFICATIONS:		3-0 x 7-0 Series	
		In-Swing Bill Of Materials	
		 CECO DOOR PRODUCTS Milan, Tennessee 38358	



**AAMA/NWWDA 101/L.S.2-97
TEST REPORT SUMMARY**

Rendered to:

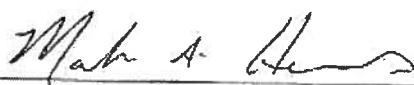
MI HOME PRODUCTS, INC.

**SERIES/MODEL: 650
TYPE: Aluminum Picture Window**

Title of Test	Results
Rating	F-R45 60 x 80
Overall Design Pressure	+45.0 psf -47.2 psf
Air Infiltration	0.04 cfm/ft ²
Water Resistance	8.25 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41135.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:ulb


1 APRIL 2002



Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41135.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650, aluminum picture window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a F-R45 60 x 80 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650

Type: Aluminum Picture Window

Overall Size: 5' 0" wide by 6' 8" high

Daylight Opening Size: 4' 9-1/4" wide by 6' 5-1/4" high

Finish: All aluminum was white.

Glazing Details: The test specimen utilized 7/8" thick, sealed insulating glass constructed from two sheets of 3/16" thick, clear annealed glass and a metal reinforced butyl spacer system. The glass was interior glazed against double-sided adhesive foam tape and secured with aluminum snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen N. Reum
1 APRIL 2002

Test Specimen Description: (Continued)

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss.

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck. #8 x 2-1/2" installation screws were utilized 18" on center around the interior perimeter. Polyurethane was utilized to seal the exterior.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.2	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.04 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance (ASTM E 547-00) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.01" 0.01"	0.41" max. 0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.0" 0.01"	0.29" max. 0.29" max.

Allen H. Reven
1 APRIL 2002

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.8	Forced Entry Resistance (ASTM F 588-97) Type: D Grade: 10 Hand and Tool Manipulation Test	No entry	No entry
<u>Optional Performance</u>			
4.3	Water Resistance (ASTM E 547-00) WTP = 8.25 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds) @ 45.0 psf (positive) @ 47.2 psf (negative)	0.02" 0.02"	0.41" max. 0.41" max.
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds) @ 67.5 psf (positive) @ 70.8 psf (negative)	0.01" 0.02"	0.29" max. 0.29" max.

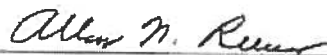
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:



Mark A. Hess
Technician

MAH:nlb
01-41135.01



Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4600.

TAMKO Roofing Products, Inc.

**AAMA/WDMA 101/I.S. 2-97
TEST REPORT****Rendered to:****JORDAN COMPANIES****SERIES/MODEL: 8500
TYPE: PVC Single Hung Window**

Title of Test	Results
AAMA/WDMA Rating	H-R40 (44 x 84)
Uniform Load Deflection Test Pressure	± 40.0 psf
Operating Force	10 lbs max.
Air Infiltration	0.21 cfm/ft²
Water Resistance Test Pressure	6.00 psf
Uniform Load Structural Test Pressure	± 60.0 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to full report for test specimen description and data.

Report No: 02-48976.02
Report Date: 02-26-04
Expiration Date: 02-25-08

849 Western Avenue North
Saint Paul, Minnesota 55117-5245
phone: 651.636.3835
fax: 652.636.3843
www.architest.com

**AAMA/WDMA 101/I.S.2-97 TEST REPORT**

Rendered to:

JORDAN COMPANIES
P.O. Box 18377
Memphis, Tennessee 38118

Report No: 02-48976.02
Test Date: 02/25/04
Report Date: 02/26/04
Expiration Date: 02/25/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Jordan Companies to perform tests on a Jordan Companies Series 8500 Single Hung Window. The sample tested successfully met the performance requirements for a H-R40 44 x 84 rating. Test specimen description and results are reported herein.

Test Procedure: The test specimen was evaluated in accordance with AAMA/NWDMA 101/I.S. 2-97, "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors."

Test Specimen Description:

Series/Model: 8500

Type: PVC Single Hung Window

Overall Size: 3' 8" wide by 7' 0" high

Sash Size: 3' 4-3/8" wide by 2' 5" high

Fixed D.L.O. Size: 3' 4-3/4" wide by 4' 5" high

Screen Size: 3' 4-3/4" wide by 2' 4-1/4" high

Finish: All PVC was white

849 Western Avenue North
Saint Paul, Minnesota 55117-5245
phone: 651.636.3835
fax: 652.636.3843
www.archtest.com

02-48976.02

Page 2 of 4

Test Specimen Description: (Continued)

Glazing Type: The window utilized nominal 3/4" insulating glass comprised of two single-strength annealed sheets in the operating sash and two double-strength sheets in the fixed lite and a desiccant-filled metal spacer system. The glass for the fixed area was set from the interior into a bed of silicone sealant with PVC stops used on the interior. The sash was glazed from the exterior into a bed of silicone sealant with PVC stops used on the exterior.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.260" high by 0.187" backed pile with center fin	1 Row	Sash top and bottom rails
0.260" high by 0.187" backed pile with center fin	2 Rows	Sash stiles

Frame Construction: Frame corners were miter-cut and welded. Aluminum reinforcement was utilized in the fixed meeting rail (Jordan part number H-2447).

Sash Construction: Sash corners were miter-cut and welded. Aluminum reinforcement was utilized in the top rail (Jordan part number H-2448).

Hardware:

Metal cam locks with keepers	2	6" from ends and meeting rail
Plastic tilt latches	2	Sash top rail corners
Metal tilt pins	2	Sash bottom rail corners
Block-and-tackle balances	2	One per jamb

Drainage:

3/16" by 5/8" slots	2	1-3/4" from ends in sill pocket to hollow below
1/8" by 1/2" slots	4	1-3/4" and 2" from each end through sill exterior face

Installation: The unit was installed into a Grade 2 SPF 2" by 8" wood test buck secured through the flange with 1-5/8" screws spaced 4" from corners and 8" on center. The nail fin was sealed to the buck with silicone.

02-48976.02

Page 3 of 4

Test Results: The results are tabulated as follows.

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force		
	Force to initiate motion	10 lbs	30 lbs max.
	Force to keep in motion	8 lbs	30 lbs max.
2.1.2	Air Infiltration per ASTM E 283-97 (See Note #1) @ 1.57 psf (25 mph)	0.21 cfm/ft ²	0.30 cfm/ft ²
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/WDMA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM 547-97 (See Note #2)		
2.1.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #2)		
2.1.4.2	Uniform Load Structural per ASTM E 330-97 (See Note #2)		
<i>Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance."</i>			
2.2.1.6.2	Deglazing Test per ASTM E 987		
	In operating direction @ 70 lbs		
	Top rail	0.04"/8%	0.500"/100%
	Bottom rail	0.06"/12%	0.500"/100%
	In remaining direction @ 50 lbs		
	Left stile	0.04"/8%	0.500"/100%
	Right stile	0.03"/6%	0.500"/100%
2.1.7	Corner Weld Test	Meets as stated	Meets as stated
2.1.8	Forced Entry Resistance per ASTM F 588-97		
	Type A		
	Grade 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

02-48976.02
Page 4 of 4**Test Results: (Continued)**

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance:</u>			
4.3	Water Resistance per ASTM E 547-97 WTP = 6.00 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #3) (Measurements reported were taken on the meeting rail) (Loads were held for 60 seconds)		
	@ 40.0 psf (positive)	0.45"	(See Note #3)
	@ 40.0 psf (negative)	0.52"	(See Note #3)
4.4.2	Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 60.0 psf (positive)	0.03"	0.16" max.
	@ 60.0 psf (negative)	0.03"	0.16" max.

Note #3: The Uniform Load Deflection test is not a AAMA/NWDA 101/I.S. 2-97 requirement for this product designation. The data is recorded in this report for information only.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.



Digitally Signed by: Paul L. Spiess

Paul L. Spiess
Project Manager



Digitally Signed by: Daniel A. Johnson

Daniel A. Johnson
Regional Manager

DAJ/jb
02-48976.02

1023-5000



Architectural Testing

**AAMA/WDMA 101/I.S. 2-97
TEST REPORT**

Rendered to:

JORDAN COMPANIES

**SERIES/MODEL: 8500
TYPE: PVC Single Hung Window**

Title of Test	Results
AAMA/WDMA Rating	H-R40 (44 x 84)
Uniform Load Deflection Test Pressure	± 40.0 psf
Operating Force	10 lbs max.
Air Infiltration	0.21 cfm/ft ²
Water Resistance Test Pressure	6.00 psf
Uniform Load Structural Test Pressure	± 60.0 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to full report for test specimen description and data.

Report No: 02-48976.02
Report Date: 02-26-04
Expiration Date: 02-25-08

849 Western Avenue North
Saint Paul, Minnesota 55117-5245
phone: 651.636.3835
fax: 652.636.3843
www.archtest.com



DP35

5 pages

STRUCTURAL TEST REPORT

Rendered to:

JORDAN COMPANIES

Series/Model: 8500

Type: 3-Wide Mulled PVC Single Hung Window

587 First Street SW
New Brighton, MN 55112
phone: 651.636.3835
fax: 651.636.3843
www.archtest.com

Report No: 02-33516.01
Test Date: 10/04/01
Report Date: 11/13/01
Expiration Date: 10/04/05

**STRUCTURAL TEST REPORT**

Rendered to:

JORDAN COMPANIES
4661 Burbank Road, Box 18377
Memphis, Tennessee 38118

Report No: 02-33516.01
Test Date: 10/04/01
Report Date: 11/13/01
Expiration Date: 10/04/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Jordan Companies to witness performance testing on Jordan Series 8500 3-wide mulled PVC single hung windows. Test specimen description(s) and results are reported herein.

Test Procedure: The test specimens were evaluated in accordance ASTM E 330-97, "Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference."

Test Specimen Description:

Series/Model: 8500

Type: 3-wide mulled PVC single hung window

Overall Size: 8' 11-5/8" wide by 5' 11-5/8" high

Individual Window Size (3): 2' 11-5/8" wide by 5' 11-5/8" high

Finish: All PVC was white.

Glazing Details: The window utilized nominal 3/4" insulating glass comprised of two single-strength annealed sheets and a desiccant-filled spacer system. The glass for the sash was set from the exterior against a bed of silicone with PVC stops used on the exterior.

Test Specimen Description (Continued)**Weatherstripping:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.187" backed pile with center fin	1 Row	Sash top and bottom rails
0.230" high by 0.187" backed pile with center fin	2 Rows	Sash stiles

Frame Construction: Frame corners were miter-cut and welded. Aluminum mullion reinforcement was fastened to one jamb using three #8 by 1-1/4" screws, one at midpoint and one approximately 8" to 12" from each end at the jambs. Silicone was used on the exterior only to seal between the reinforcement and the jambs. PVC mullion couplings were snap-fit onto the interior and exterior.

Sash Construction: Sash corners were miter-cut and welded. Sash meeting rail utilized aluminum reinforcement.

Hardware:

Metal cam locks with keepers	6	6" from ends on meeting rail
Plastic tilt latches	6	Sash top rail corners
Metal tilt pins	6	Sash bottom rail corners
Block-and-tackle balances	6	One per jamb

Drainage:

3/16" by 5/8" slots	6	1-3/4" from ends in sill pocket to hollow below
3/16" by 5/8" slots	6	Ends of sill through interior wall
1/8" by 1/2" slot	6	1-3/4" from ends through sill exterior face

Installation: The unit was installed into a Grade 2 SPF 2" by 6" wood test buck and secured with screws and silicone.

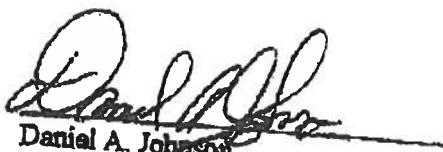
02-33516.01
Page 3 of 3**Test Results**

<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
Uniform Load Structural per ASTM E 330-97 (Permanent set measurements reported were taken on the intermediate mullion)		
@ 52.5 psf (positive)	0.03"	0.4% L = 0.286" max.
@ 52.5 psf (negative)	0.06"	0.4% L = 0.286" max.

A copy of this report will be retained by ATI for a period of four years. This report is the exclusive property of the client so named herein and is applicable to the sample tested. Results obtained are tested values and do not constitute an opinion or endorsement by this laboratory.

For ARCHITECTURAL TESTING, INC.


Paul L. Spiess
Project Manager


Daniel A. Johnson
Regional Manager

PLS/jb
02-33516.01

DOCUMENT CONTROL ADDENDUM 02-33516.00

Current Issue Date: 11/13/01

Report No. 02-33516.01

Requested by: Darrel Booth

Purpose: Structural testing on 8500 3-wide mulled PVC single hung windows

Issue Date: 11/13/01

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 5369 E Bayview

City Lake City Phone 752-1903

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # 02437

Address 250 SLS Brighton Ct. Ft. White

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

Dwlg

2745

220

2 1/2

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 _____.

5-19-06

Date

8:23

Time

Bob Blackwell

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



COLUMBIA COUNTY OFFICE 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 34-6S-16-04059-225

Building permit No. 000024378

Use Classification SFD/UTILITY

Fire: 55.80

Permit Holder GUY WILLIAMS

Waste: 0.00

Owner of Building CEDRIC & SHELLIE MAY

Total: 55.80

Location: 250 SW BRIGHTON CT(HOLLINGSWORTH EST.,LOT 5)

Date: 12/07/2006

Tracy Dicks

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1SVH487-Z0113150228

Truss Fabricator: Anderson Truss Company
Job Identification: 6-092--SLK Construction May -- , **
Truss Count: 16
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: HCUSR487

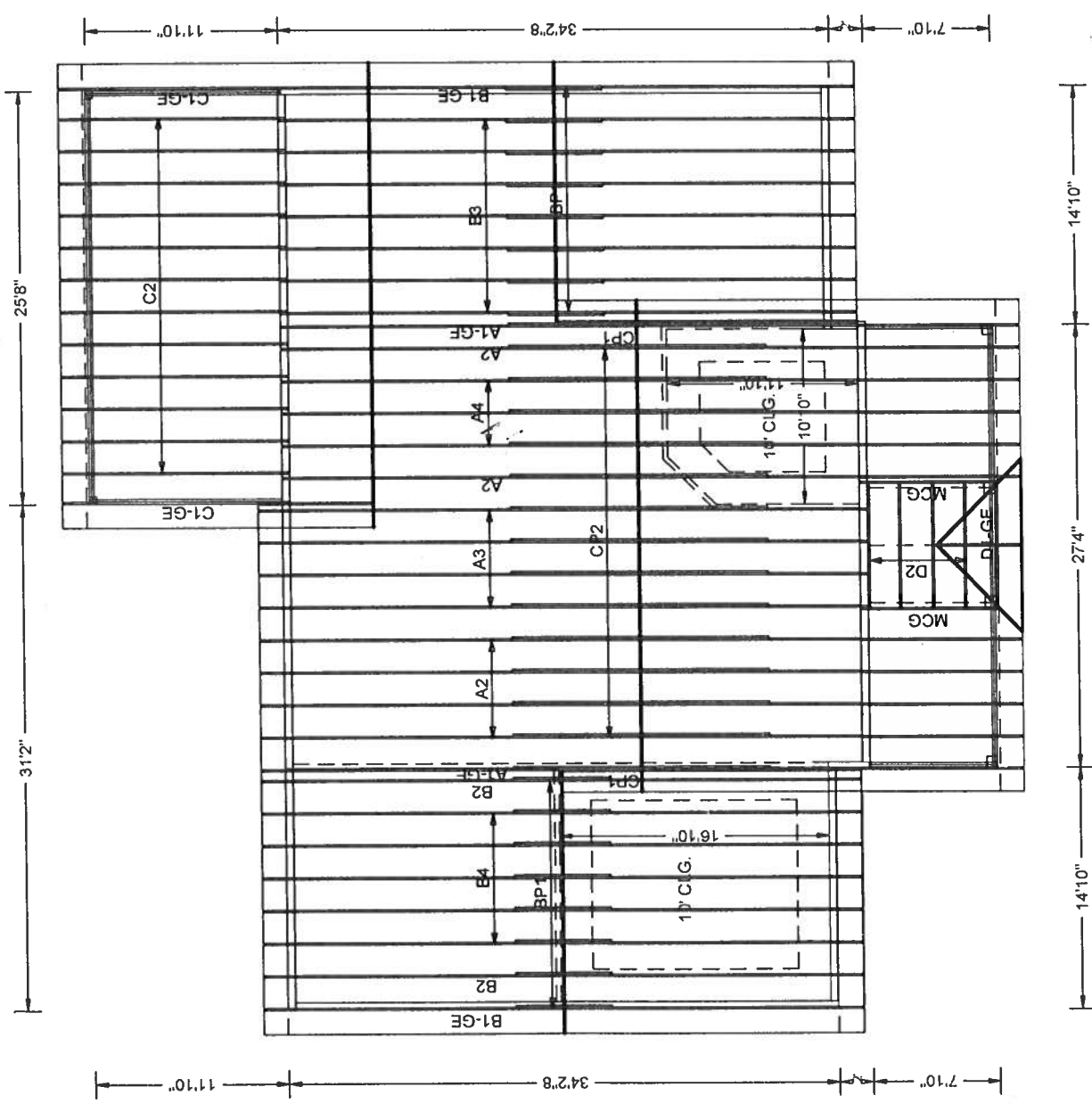
Details: A11015EE-GBLLETIN-PIGBACKB-A11030EE-

Seal Date: 03/13/2006

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	85325--A1-GE		06072012	03/13/06
2	85326--A2		06072002	03/13/06
3	85327--A3		06072003	03/13/06
4	85328--A4		06072004	03/13/06
5	85329--B1-GE		06072009	03/13/06
6	85330--B2		06072005	03/13/06
7	85331--B3		06072006	03/13/06
8	85332--B4		06072007	03/13/06
9	85333--C1-GE		06072013	03/13/06
10	85334--C2		06072008	03/13/06
11	85335--D1-GE		06072014	03/13/06
12	85336--D2		06072001	03/13/06
13	85337--MCG		06072015	03/13/06
14	85338--BP1		06072016	03/13/06
15	85339--CP1		06072010	03/13/06
16	85340--CP2		06072011	03/13/06





#6-092 SLK CONSTRUCTION - MAY

3/10/06

Scale: 3/32" = 1'

497-3620

365-3646 Cell

FL. Certificate of Authorization # 567
Haines City, FL 33844

TC LL	20.0	PSF	REF	R487--	85325
TC DL	10.0	PSF	DATE	03/13/06	
BC DL	10.0	PSF	DRW	HCUSR487	06072012
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	89789	REV
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SVH487_Z01	

Top chord	2x4	SP #2	Dense
Bot chord	2x4	SP #2	Dense
Web	2x4	SP #3	
:Lt Slider	2x6	SP #1	Dense: BLOCK LENGTH = 2.309'
:Rt Slider	2x6	SP #1	Dense: BLOCK LENGTH = 2.309'

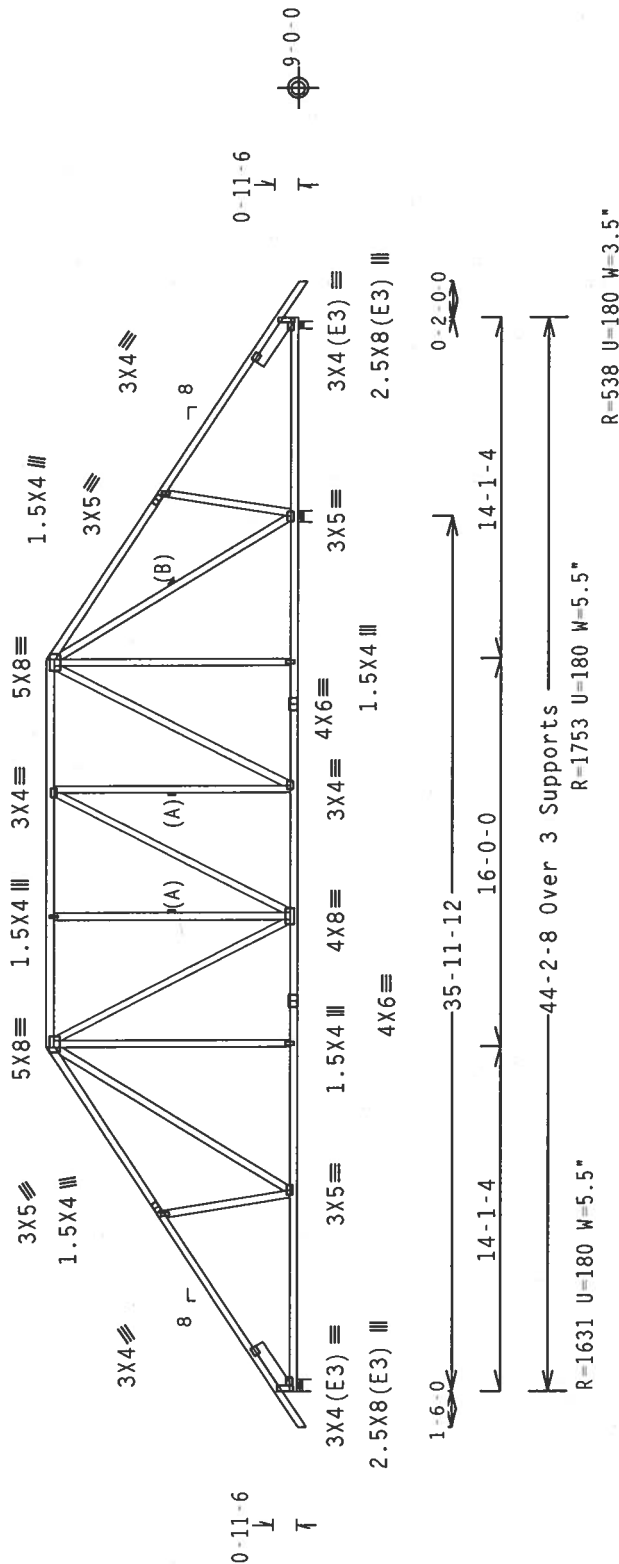
(B) Continuous lateral bracing equally spaced on member. Or 2x6 SP #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

(A) Continuous lateral bracing equally spaced on member. Or 2x4 SP #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.) nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

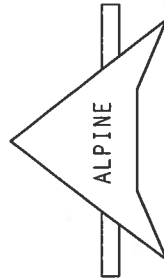
Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)
$$Ca/RT=1.00(1.25)/10(0)$$

FI 1-141-1-1R/-

$$\text{Scale} = 125''/\text{Ft}$$

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLEK INSTITUTE, 1803 D'ORFORD RD., SUITE 200, MAISON, IL 57175) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 100, WILSONVILLE, OR 97150) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES WILL HAVE SAFETY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL WARE PLATED GUSSETING.

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 APPL. CALCS. PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TYPICAL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY 1) SHALL BE PER ANNEX A OF TPI1-2002-SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE USER OF THIS CONCRETE FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 2 OF TPI1-2002-SEC.3.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567
Haines City, FL 33844



Mar 23 '06

REF- 1SVH487 Z01

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

: Lt Slider 2x6 SP #1 Dense: BLOCK LENGTH = 2.309'

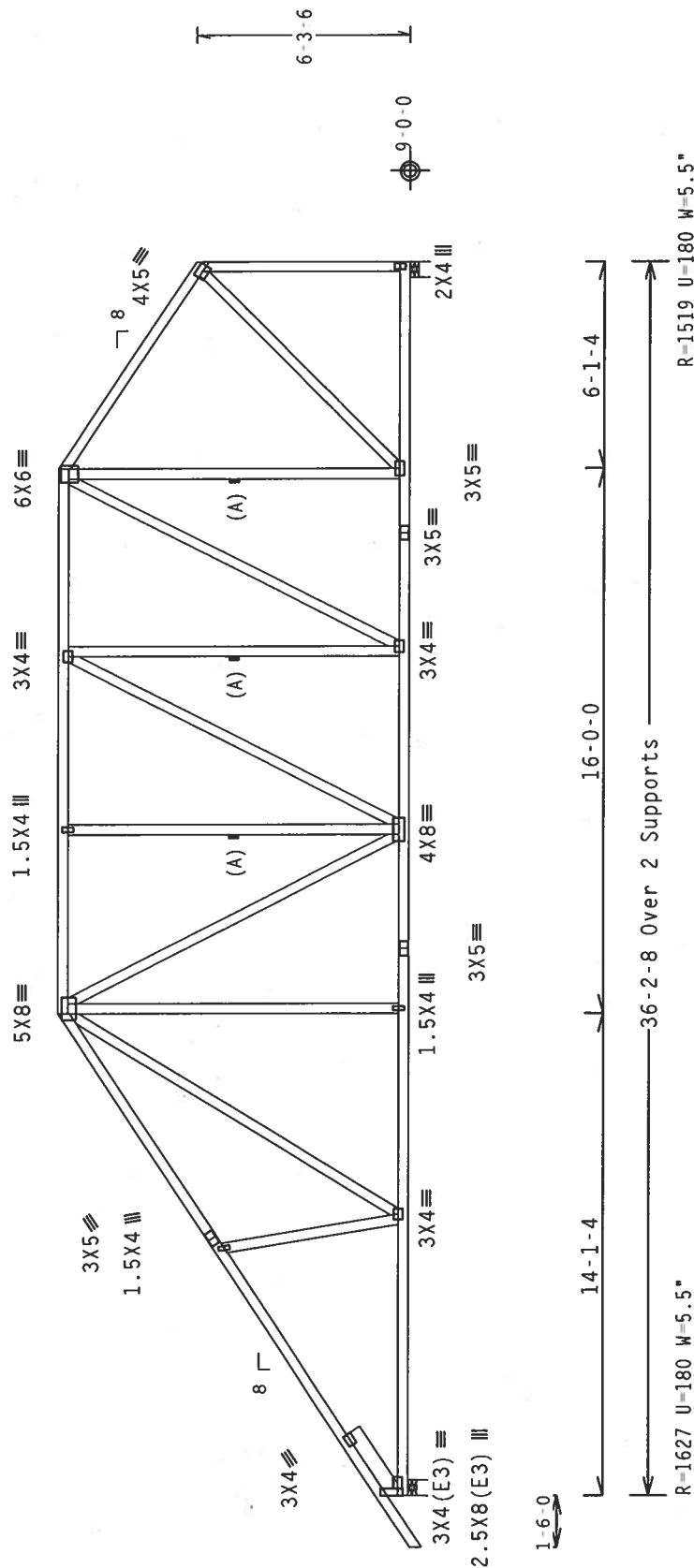
(A) Continuous lateral bracing equally spaced on member. Or 2x4 SP #3 or better "I" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC. BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.5$

12

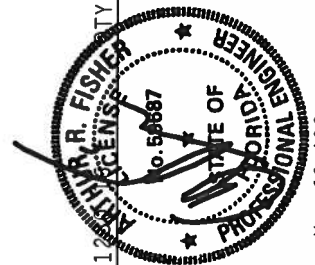
ITY: 1

FI 1-141-1-1R/-

Scale = 1875"/Ft

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. DEFECTS TO BECS (BUILDING CODES) AND SAFETY COMPLIANCE. PUBLISHED BY API (RUSS PULP INSTITUTE, 183 S. HENRIETTA ST., CHICAGO, ILL. 60606) AND THE NATIONAL ASSOCIATION OF MANUFACTURERS OF CORRUGATED BOARD (NACORB, 1501 N. MADISON, J. 53719). FOR SAFETY PURPOSES TO PERFORMING THESE CONDITIONS, UNLESS OTHERWISE ATTACHED TO TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TO RIGID CELLING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERED TRUSSES, 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 TRUSSES. ALL TRUSSES SHALL BE MANUFACTURED TO THE FOLLOWING SPECIFICATIONS: TPI: 1. ALL TRUSSES SHALL BE PLATES TO EACH FACE OF PLYSSED AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI: 2002-SEC.3. 3. A SEAL ON THE DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. THE ENGINEER'S SIGNATURE AND SEAL SHALL BE AFFIXED TO THE DRAWING. THE ENGINEER'S SIGNATURE SHALL BE AFFIXED TO THE DRAWING.



Mar 13 '06

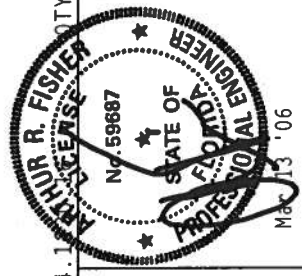
ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

Haines City, FL 33844
Fl. Certificate of Authorization # 567



FL/-/4/-/-/R/-		Scale = .125"/Ft.	
TC LL	20.0 PSF	REF	R487-- 85328
TC DL	10.0 PSF	DATE	03/13/06
BC DL	10.0 PSF	DRW	HCUSR487 06072004
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	89776
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVH487_201



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BES1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND WEGA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES CRITICAL TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL CHORD SHALL HAVE PROPERLY ATTACHED PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. HAS RESPONSIBILITY FOR THE DESIGN, MANUFACTURING, SHIPPING, INSTALLING AND BRACING OF TRUSSES IN CONFORMANCE WITH TP1. FOR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (M H₂/K) ASTM A653 GRADE 40/60 (M, K/H-SI) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANSI 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/TP1 1 SEC. 2.



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

10-032--SLK Construction May 11, 2011

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers.
Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

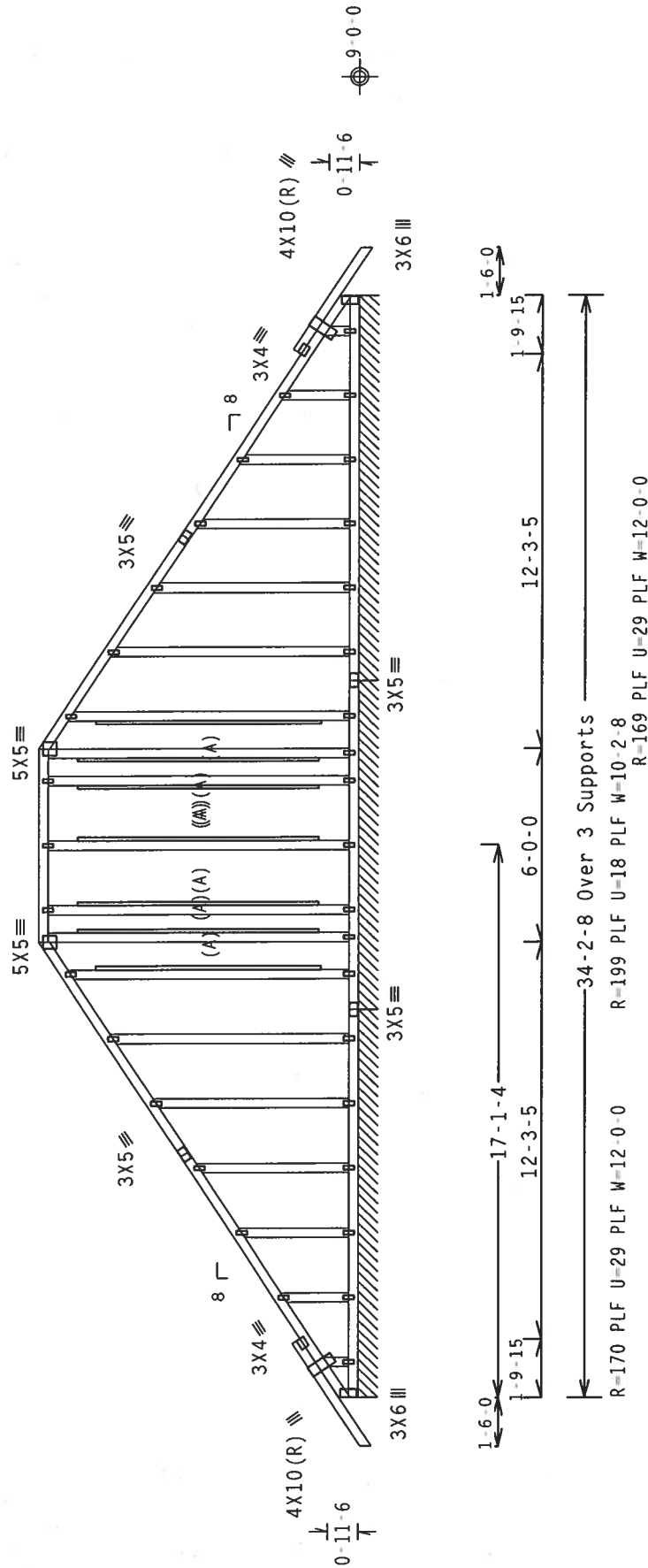
(A) 1x4 SP #3 or better "L" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, 8C @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.24.1

PLT TYP. Wave

Scale = 1.875" / Ft.

FL / - 4 / - / - R / -

TY: 1

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

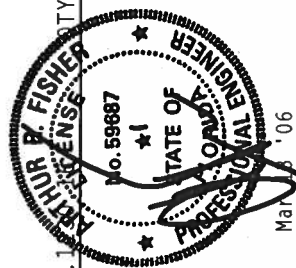
BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

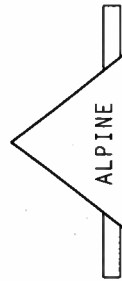
SPACING 24.0"

JREF- 1SVH487_201



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSS 1.0-3, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (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. 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. CONNECTOR PLATES ARE MADE OF 2018/16GA (W. H/2.5) ASTM A653 GRADE 40/60 (W. K/H.5) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. 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 Engineering Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

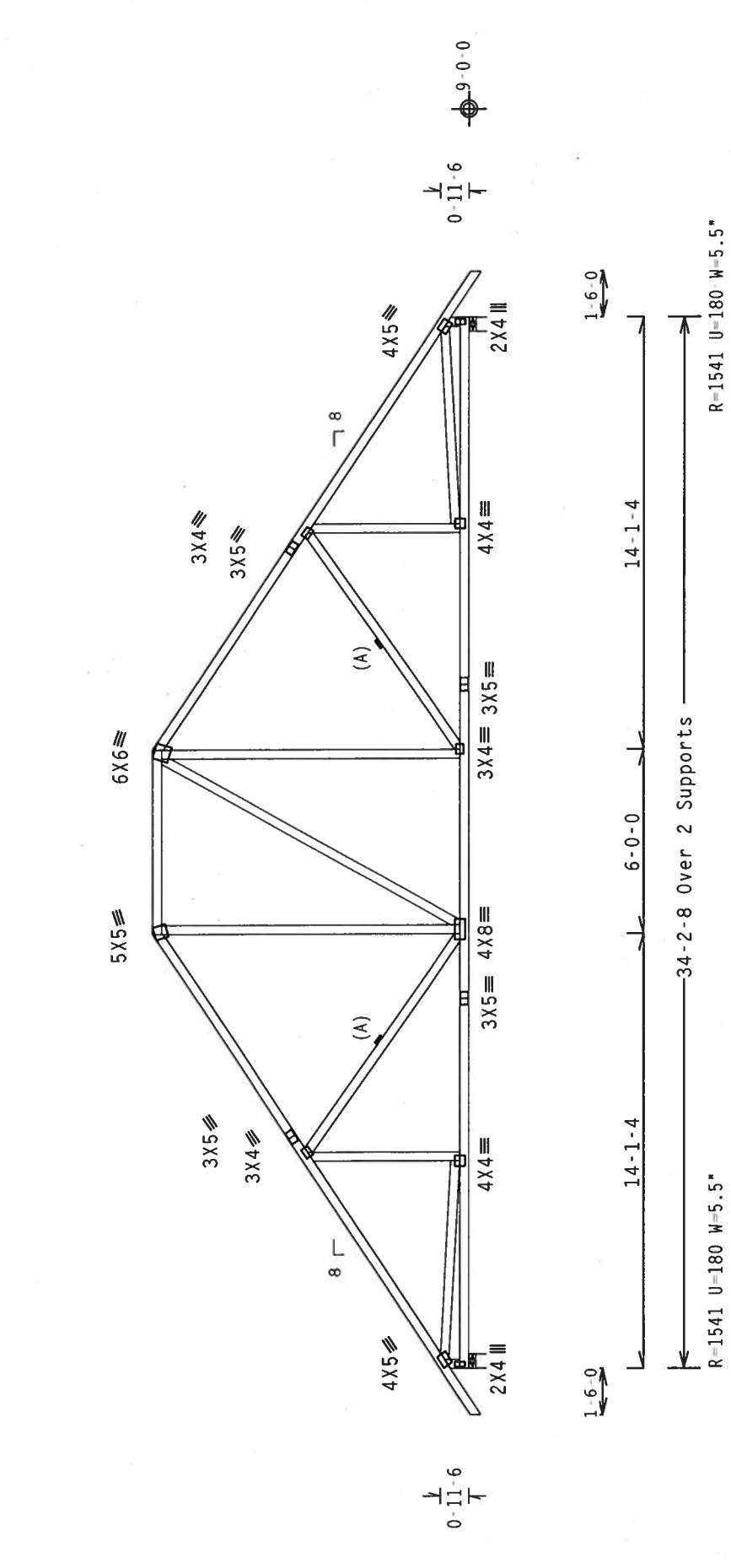
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

Scale = .1875"/Ft.

REF	R487--	85330
DATE	03/13/06	
DRW	HCUSR487	06072005
HC-ENG	JB/AF	
SEQN-	89661	
DUR.FAC.	1.25	
SPACING	24.0"	

ALPINE

Alpine Engineered Products, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 593 O'CONNOR DR., SUITE 200, MADISON, WI 53719, AND WCA (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. 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 2018/16GA (M-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 TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. THIS DRAWING IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF ALPINE ENGINEERED PRODUCTS, INC.

ALPINE R. FISHER
LICENSE
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 23 '06

TY:1 FL/-/4/-/R/- Scale = .1875"/Ft.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

10-092--SLK Construction May 11, 2006, *** b3 ***

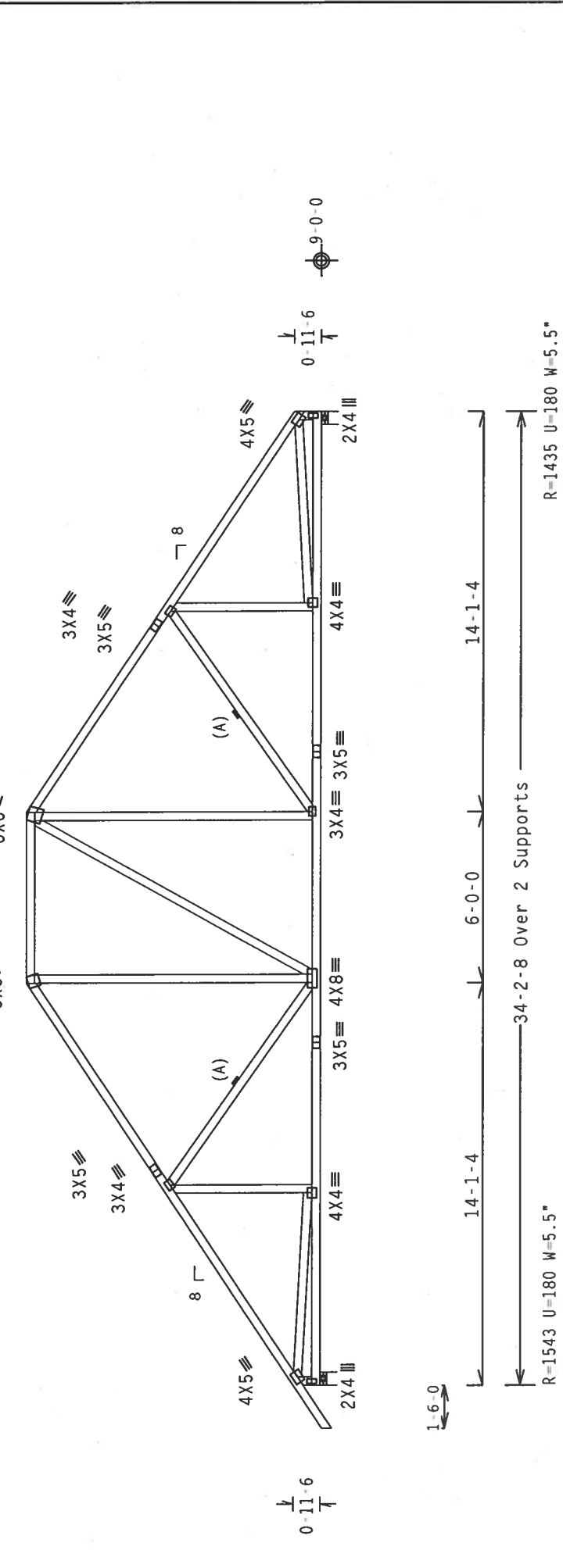
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



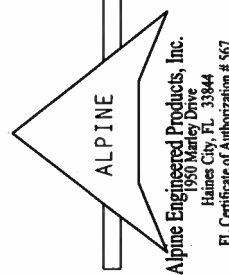
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.14

PLT TYP. Wave	Scale = .1875"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
REF	R487-- 85331
DATE	03/13/06
DRW	HCUSR487 06072006
HC-ENG	JB/AF
SEQN	89666
JREF	1SVH487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PRODUCTS, INC., 1000 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND NCA (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.

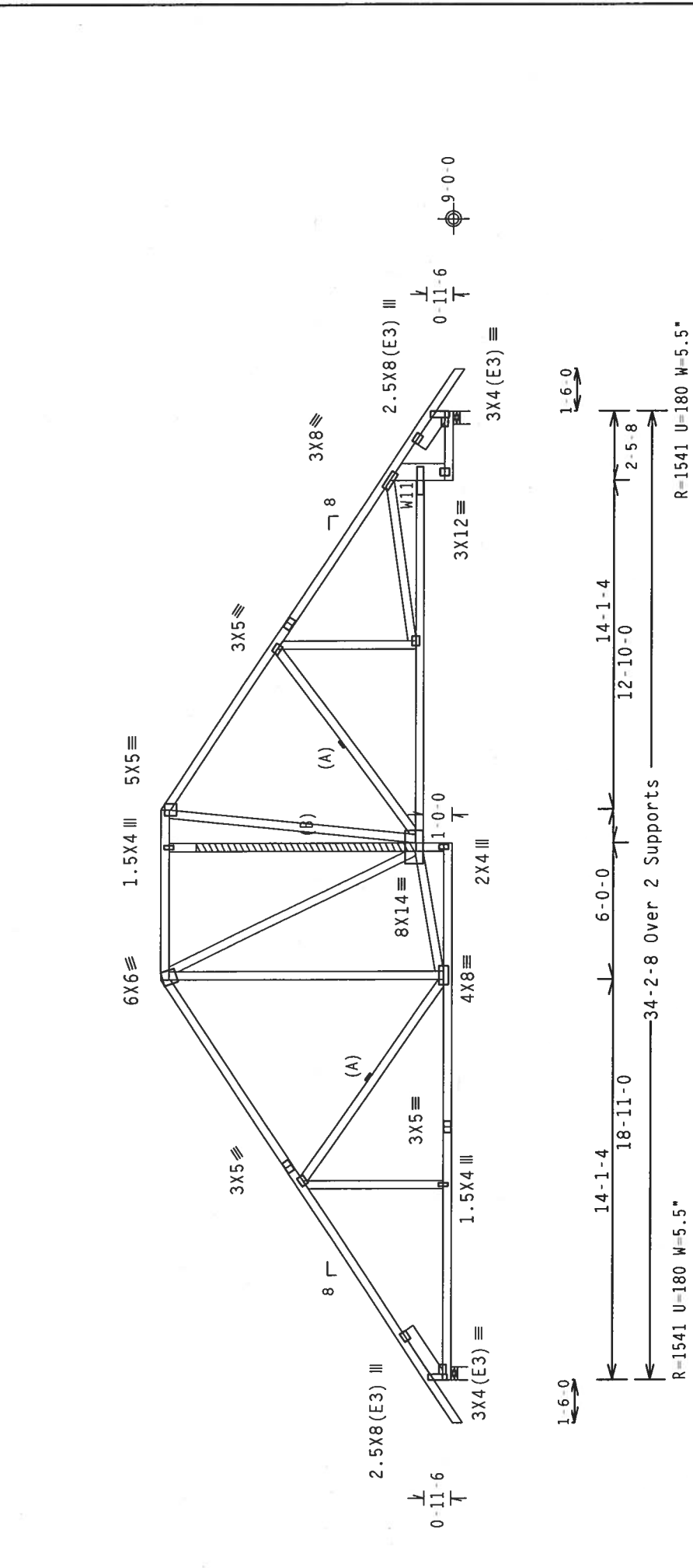
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W.H/S/K) ASTM A553 GRADE 40/60 (N. K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA Z. DRAWING INDICATES ACCEPTABLE PROFILES. SHALLOWER PROFILES SHALL BE USED FOR THE ALPINE 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.



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W11 2x8 SP #1 Dense:
:Lt Slider 2x6 SP #1 Dense: BLOCK LENGTH = 2.194'
:Rt Slider 2x6 SP #1 Dense: BLOCK LENGTH = 1.500'

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1

PLT TYP. Wave

Scale = .1875"/Ft.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF R487-- 85332

DATE 03/13/06

DRW HCUSR487 06072007

HC-ENG JB/AF

SEQN- 89718

JREF- 1SVH487_Z01

ALPINE

Alpine Engineered Products, Inc.

Haines City, FL 33844

FL Certificate of Authorization # 567

Professional Engineer

No. 59687

STATE OF FLORIDA

Professional Engineer

March 3 '06

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RC51 1-03 (BUILDING CODES) AND RC51 1-04 (TRUSS MANUFACTURING) FOR ADDITIONAL INFORMATION. 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 AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (N-N/S/K) ASTM A653 GRADE 40/60 (N, 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 ANNEK A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:
See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

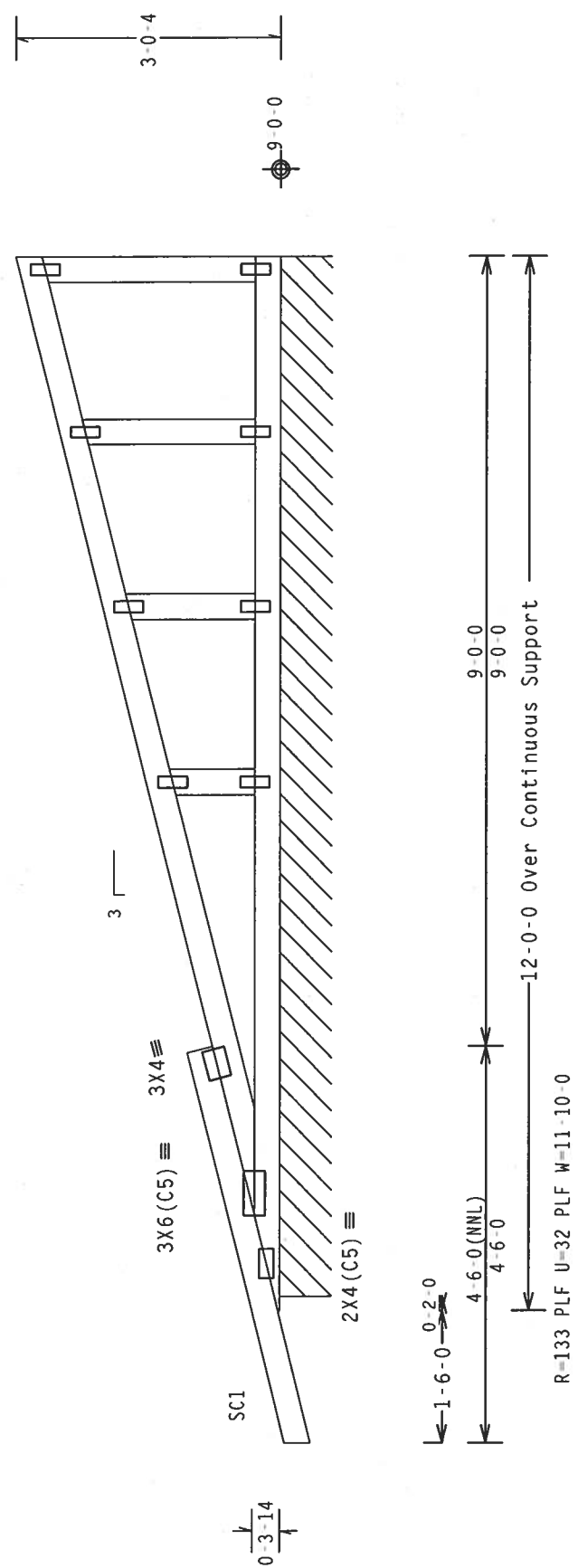
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

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.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7-24-10

PLT TYP. Wave

ALPINE

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487 -	85333
TC DL	10.0 PSF	DATE	03/13/06	
BC DL	10.0 PSF	DRW	HCUSR487	06072013
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	-	89683
DUR.FAC.	1.25			
SPACING	24.0"	JREF	-	1SVH487_Z01

THIR R. ASHER
No. 59887
STATE OF FLORIDA
Professional Engineer
May 13, 2006

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSSES, INC., 10000 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WCA (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.

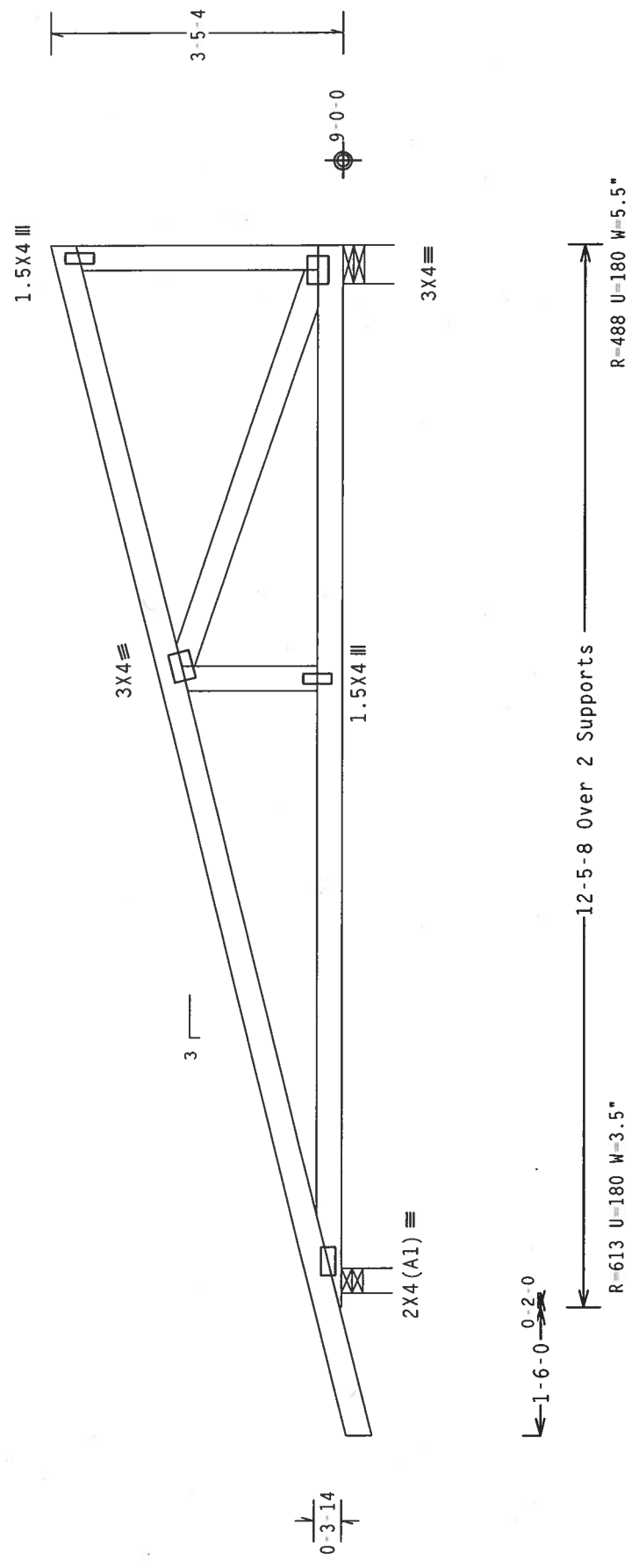
IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/5/M) ASTM A653 GRADE 40/60 (W. K/H.5) 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 TPI-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.

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

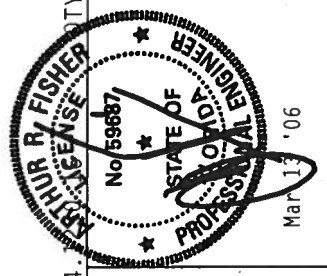
Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Design Crit: $\text{TPI} - 2002(\text{STD}) / \text{FBC}$
 $\text{Ca} / \text{RT} = 1.00 (1.25) /$

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487 - - 85334
TC DL	10.0 PSF	DATE 03/13/06
BC DL	10.0 PSF	DRW HCUSR487 06072008
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 89673
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVH487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO RC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 183 D'INTERO DR., SUITE 200, MADISON, WI 53719), AND WTA (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 AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (W, K/M/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPI-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 Murray Drive
 Haines City, FL 33844
 FL Certificate of Authorization # 567

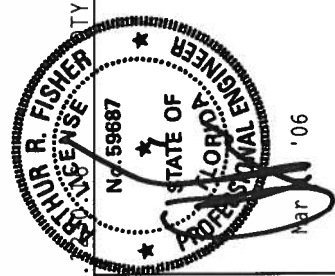
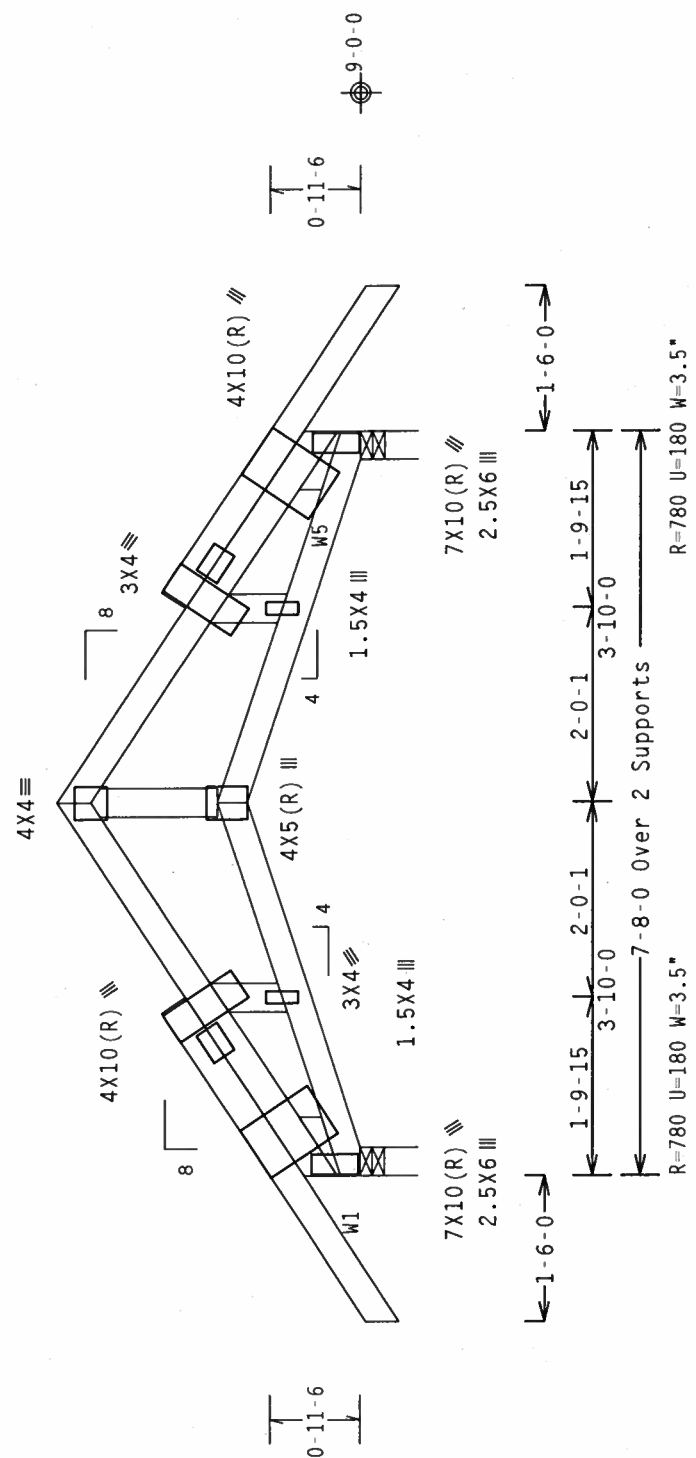
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

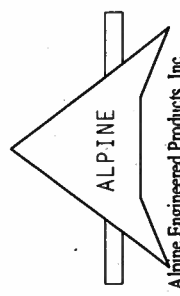
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1, W5 2x8 SP #1 Dense:

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Fasten rated sheathing to one face of this frame.

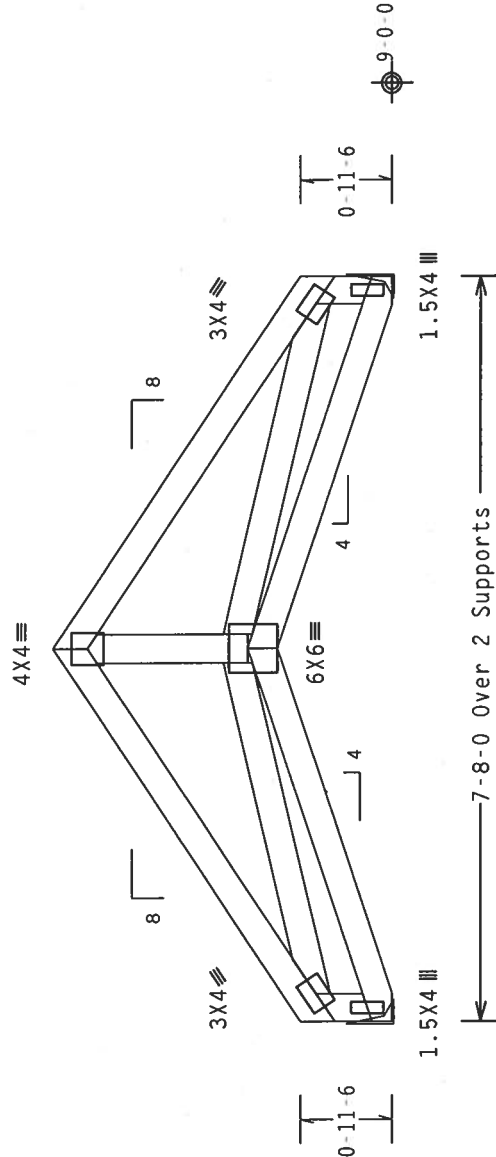


PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.24	TY:1 FL/-4/-/-R/- Scale =.5"/Ft.
 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	TC LL 20.0 PSF	REF R487-- 85335
	TC DL 10.0 PSF	DATE 03/13/06
	BC DL 10.0 PSF	DRW HCUSR487 06072014
	BC LL 0.0 PSF	HC-ENG JB/AF
	TOT.LD. 40.0 PSF	SEON- 89646 REV
DUR.FAC. 1.25		
SPACING 24.0"		JREF- 1SVH487_Z01

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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



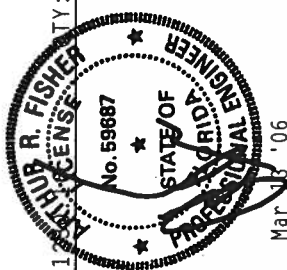
R-326 U-180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

$$C_d/RT = 1.00(1.25)/10(0)$$

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R487 - - 85336
TC DL	10.0 PSF	DATE 03/13/06
BC DL	10.0 PSF	DRW HCURS487 06072001
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 89633
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVH487_Z01

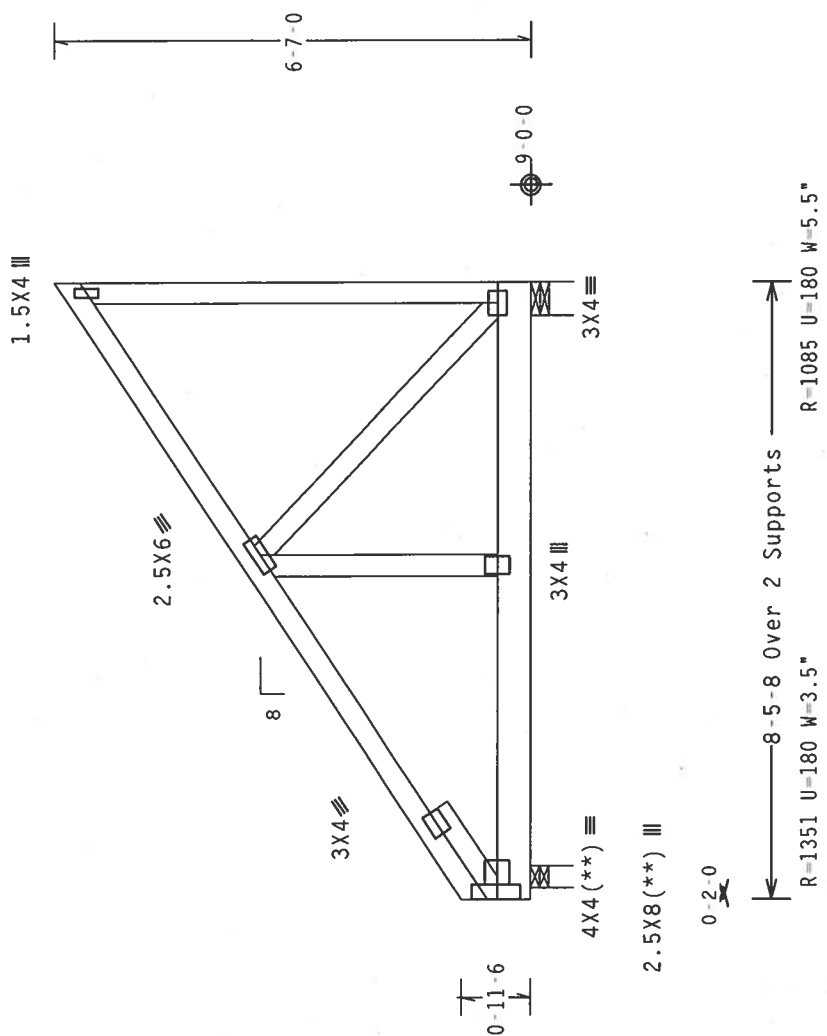


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1950 Marley Drive
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Fl. Certificate of Authorization #567

FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.
(**) Plate relocated as shown.

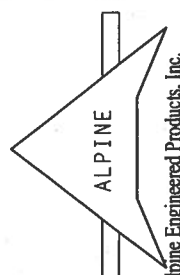
SPECIAL LOADS
----- (LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 8.46
BC - From 0 PLF at 8.46 to 422 LB Conc. Load at 0.06
BC - 326 LB Conc. Load at 2.06, 4.06, 6.06, 7.94
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

Scale = .375"/Ft.



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

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****IMPORTANT**** TURNISH 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 2018/16GA (M/H/5/X) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. Wave



R. FISHER
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Mar 17 '06

TC LL	20.0 PSF	FL / - / 4 / - / R / -	Scale = .375" / Ft.
TC DL	10.0 PSF		REF R487 -- 85337
BC DL	10.0 PSF		DATE 03/13/06
BC LL	0.0 PSF		DRW HCUSR487 06072015
TOT. LD.	40.0 PSF		HC-ENG JB/AF
DUR. FAC.	1.25		SEON- 89652
SPACING	24.0"		JREF- 1SVH487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 20.35 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/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

REFER TO DWG PIGBACKB0405 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24"O.C., UNLESS OTHERWISE SPECIFIED

4x4 ≡ 8

2x4 (A1) ≡ 2x4 (A1) ≡

1.5x4 ≡

2x4 (A1) ≡

2'-2-11" 2'-2-11"

6'-0-0 Over 3 Supports

R=82 PLF U=40 PLF W=4-5-6

R=5 U=180 W=6.31"

SPECIAL LOADS

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

TC - From 64 PLF at 0.00 to 64 PLF at 6.00

BC - From 4 PLF at 0.00 to 4 PLF at 6.00

In lieu of structural panels or rigid ceiling use purlins to brace TC 24" OC, BC @ 24" OC.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1

Scale = .5"/Ft.

REF R487 -- 85338

DATE 03/13/06

DRW HCUSR487 06072016

HC-ENG JB/AF

SEQN- 89613

JREF- 1SVH487_Z01

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.

1950 MARLEY DRIVE

HAINES CITY, FL 33844

FL CERTIFICATE OF AUTHORIZATION # 567

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.

1950 MARLEY DRIVE

HAINES CITY, FL 33844

FL CERTIFICATE OF AUTHORIZATION # 567

James City, FL 33844
 Certificate of Authorization # 567

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/(10/0) 7.24.10
R. R. FISHER
LICENSE
7.24.10

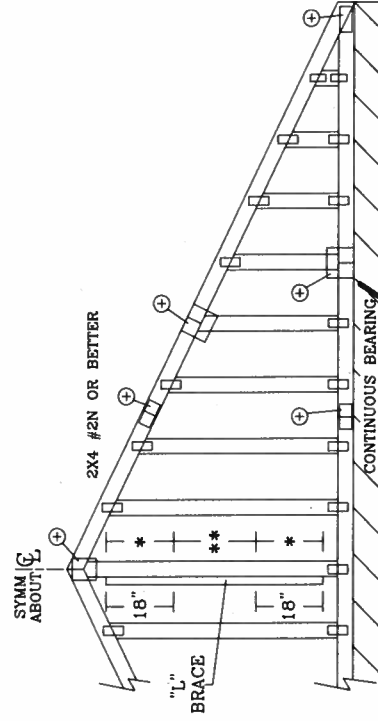
ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

[illegible]

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 600'
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.

PLATE FABRICATING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOSTON BUILDING COMPONENTS, INC., 1000 CENTRE STREET, BOSTON, MASSACHUSETTS 02111, FOR LITERATURE. PLATE INSTITUTE, 580 UNIVERSITY DRIVE, SUITE 200, MADISON, WI 53719, AND VITCO, 1000 TRUSS COIL DRIVE, PLATE, INDEPENDENCE, MO 64601, ARE THE ONLY MANUFACTURERS OF TRUSSES IN THE U.S. WHO CAN PROVIDE THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED TO PERFORMING STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CLING.

WE/PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. WE/PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE INSTALLATION CONTRACTOR'S ALPINE ENGINEERED BUILDING TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BUILDING THE TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NSF (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/X/2) ASTM A653 GRADE 40/460 (W/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE THE DESIGNER'S RESPONSIBILITY. THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE TPI WEBSITE FOR THE DESIGNER'S SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

REF ASCE7-02-CAR11015

DATE 04/15/05

DRWG A11015FE0405

-ENG

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

POMPANO BEACH, FLORIDA

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SFRUCE-FINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

SOUTHERN PINE

STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE #1

DOUGLAS FIR-LARCH #1

GABLE TRUSS DETAIL, NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER
CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

CABLE END SUPPORTS LOAD FROM 4' 0"
OUTLOOKERS WITH 2' 0" OVERHANG, OR 12"
PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C.

**IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.**

IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPICES
-----------------	-----------

VERTICAL LENGTH	NO. OF PCE
LESS THAN 4' 0"	1X4 OR 2X3

GREATER THAN 4' 0", BUT	254
-------------------------	-----

LESS THAN 11' 6"	2A4
------------------	-----

GREATER THAN 11' 6"	2.5X4
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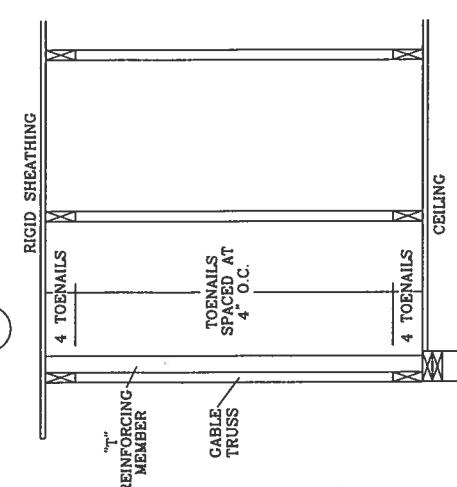
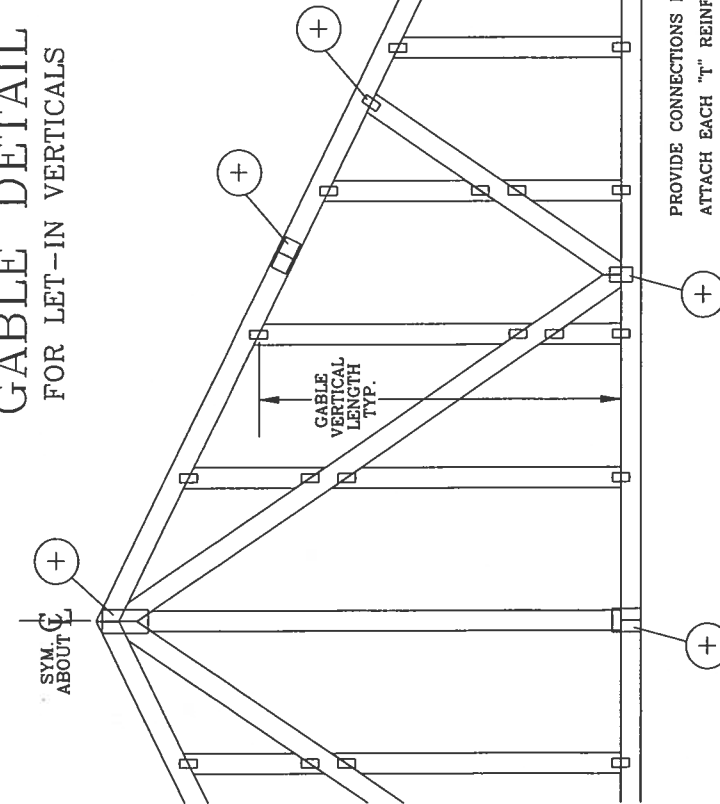
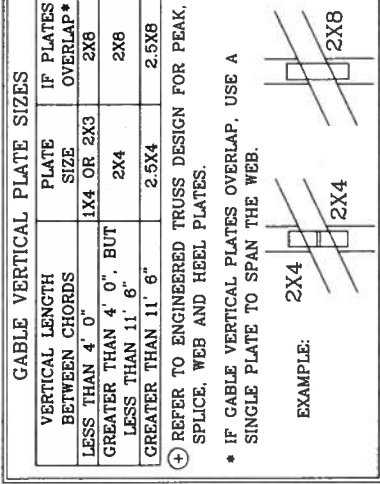
+ REFER TO COMMON TRUSS DESIGN PEAK SPLICE AND HEEL PLATES.

GABLE DETAIL FOR LET-IN VERTICALS

GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*	
LESS THAN 4' 0"	1X4 OR 2X3	2X8	
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	2X8	
GREATER THAN 11' 6"	2.5X4	2.5X8	

(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.
 * IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

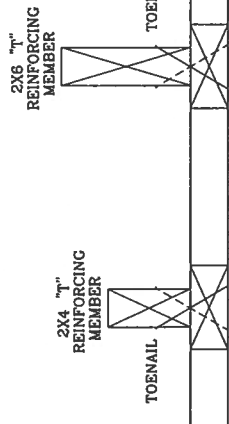
EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.
 ATTACH EACH "T" REINFORCING MEMBER WITH
 HAND DRIVEN NAILS:
 10d COMMON (0.148" X 3" MIN) TOENAILS AT 4" O.C. PLUS
 (4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.
 GUN DRIVEN NAILS:
 8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS
 (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE
 OR SBCCI WIND LOAD.
 ASCE 7-93 GABLE DETAIL DRAWINGS
 A11015ENI103, A10015ENI103, A09015ENI103, A08015ENI103, A07015ENI103
 A11030ENI103, A10030ENI103, A09030ENI103, A08030ENI103, A07030ENI103
 ASCE 7-98 GABLE DETAIL DRAWINGS
 A13015ECI103, A12015ECI103, A11015ECI103, A10015ECI103, A08015ECI103
 A13030ECI103, A12030ECI103, A11030ECI103, A10030ECI103, A08030ECI103
 ASCE 7-02 GABLE DETAIL DRAWINGS
 A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08015EE0405,
 A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08030EE0405

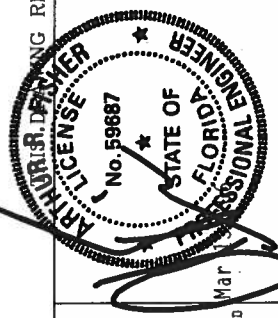
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI
 WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE
 VERTICAL LENGTH.



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS,
 MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE
 VERTICAL SPECIES, GRADE AND SPACING) FOR (1)
 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE
 APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR
 SBCCI WIND LOAD.
 MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL
 LENGTH IS 14' FROM TOP TO BOTTOM CHORD.
 WEB LENGTH INCREASE W/ "T" BRACE

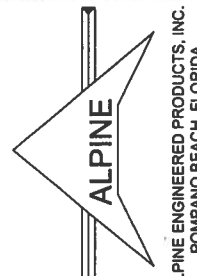
WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
 ASCE WIND SPEED = 100 MPH
 MEAN ROOF HEIGHT = 30 FT
 GABLE VERTICAL = 24' O.C. SP #3
 "T" REINFORCING MEMBER SIZE = 2X4
 "T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
 (1) 2X4 "L" BRACE LENGTH = 6' 7"
 MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
 1.10 x 6' 7" = 7' 3"



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 DUNDRIED DR., SUITE 200, MADISON, WI 53719) AND WTC (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 CHORD 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 2018/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE THE RESPONSIBILITY OF THE INSPECTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE BUILDING SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
 POMPANO BEACH, FLORIDA

REPLACES DRAWINGS GAB98117 876,719 & HC26294035			
REF	LET-IN VERT		
DATE	04/14/05		
DRWG	GBLLETIN0405		
-ENG	DLJ/KAR		
MAX TOT. LD. 60 PSF			
DUR. FAC. ANY			
MAX SPACING 24.0"			

PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C;

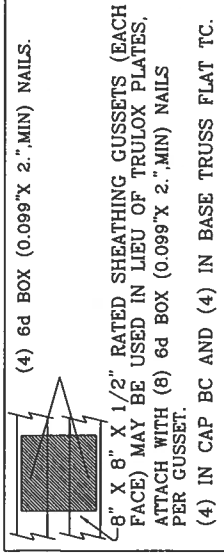
WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC

ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

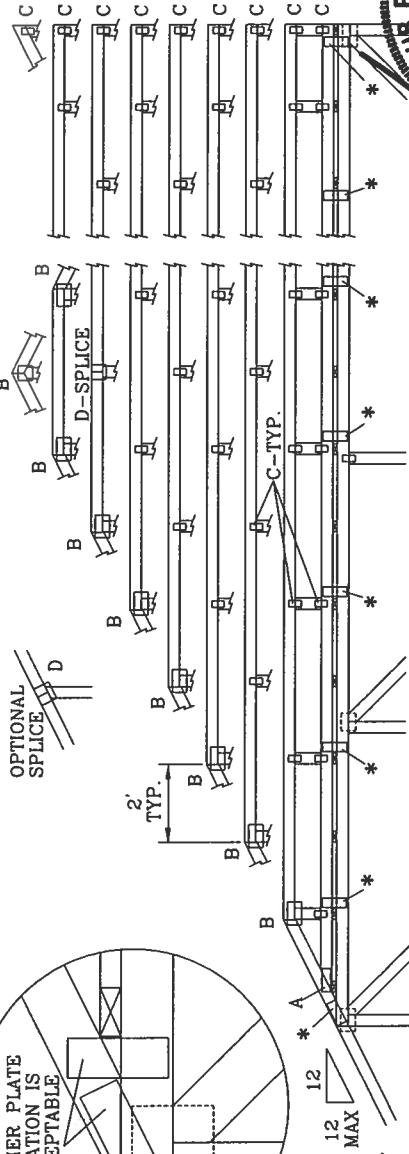
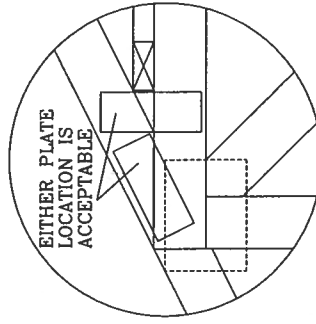
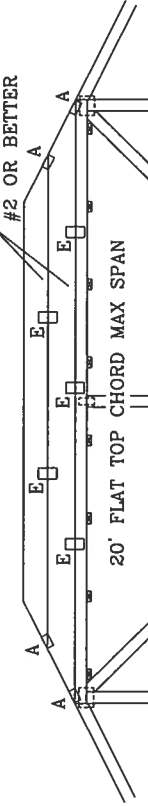
WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

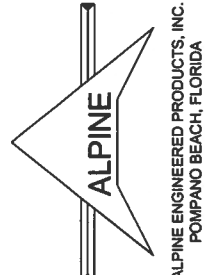
MAX SIZE OF 2X12 #2 OR BETTER



*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

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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 6061-T6 ALUMINUM (V.H.S/K) ASTM A633 SPEC. 40/60 (V.H.S/K) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE THE RESPONSIBILITY OF THE INSPECTOR. THE DESIGNER OF THE TRUSS CONSENTS TO THE DESIGN, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

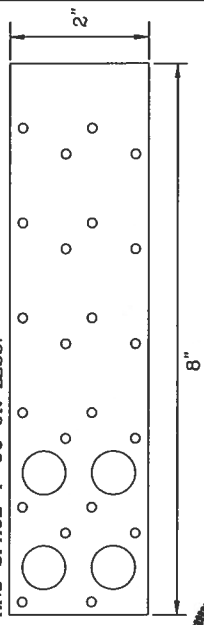
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 6d BOX (0.113" X 2.5" MIN) NAILS AT 4' OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135" X 3.5" MIN) NAILS AT 4' OC.

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



REPLACES DRAWINGS 634,016 634,017 & 847,045

ARTHUR R. FISHER
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER

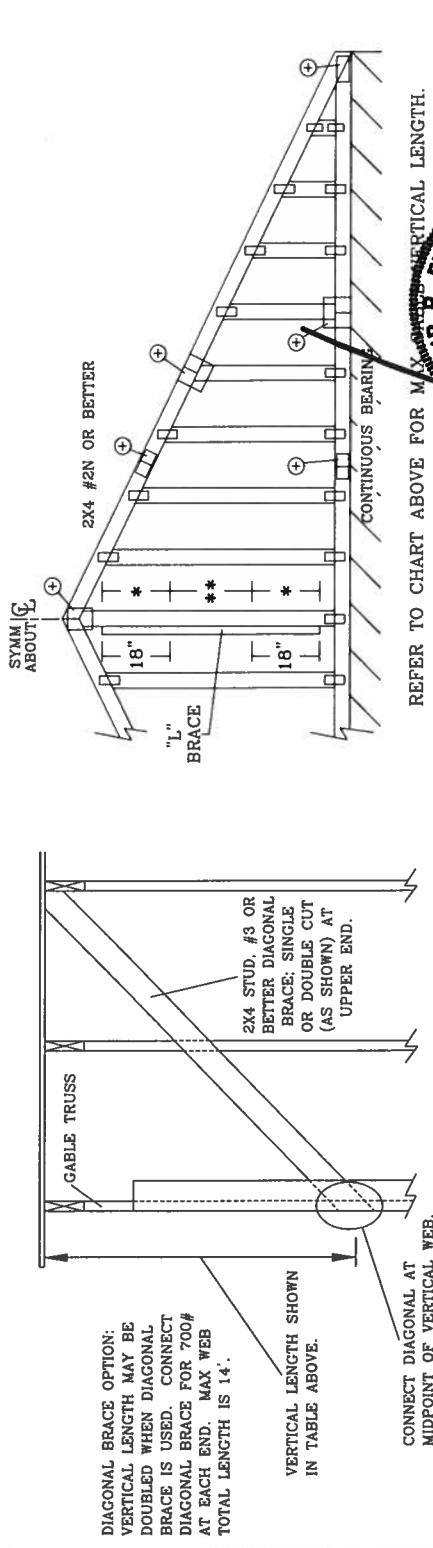
MAX LOADING
55 PSF AT
1.33 DUR. FAC.
50 PSF AT
1.25 DUR. FAC.
47 PSF AT
1.15 DUR. FAC.

REF PIGGYBACK
DATE 04/14/05
DRWG PIGBACKB0405
-ENG DLJ/KAR

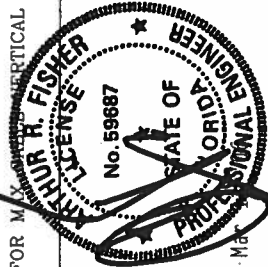
SPACING 24.0"

ASCE 7-02: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH		BRACE		NO BRACES		(1) 1X4 "L" BRACE *		(2) 2X4 "L" BRACE *		(1) 2X6 "L" BRACE **		(2) 2X6 "L" BRACE **	
						GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	GABLE VERTICAL SPACING	SPF	#1 / #2	3' 8"	6' 4"	7' 6"	7' 8"	8' 11"	8' 11"	9' 2"	9' 2"	11' 9"	11' 9"
		HF	#3	3' 7"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	8' 11"	8' 11"	11' 2"	11' 2"
			STUD	3' 7"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	8' 11"	8' 11"	11' 1"	11' 1"
			STANDARD	3' 7"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	8' 3"	8' 3"	9' 6"	9' 6"
24" O.C.		SP	#1	4' 0"	6' 4"	7' 6"	8' 1"	8' 11"	8' 11"	9' 7"	9' 7"	11' 9"	12' 8"
			#2	3' 11"	6' 4"	7' 6"	8' 1"	8' 11"	8' 11"	9' 7"	9' 7"	11' 9"	12' 8"
		DFL	#3	3' 9"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	9' 5"	9' 5"	11' 5"	11' 5"
			STUD	3' 9"	5' 6"	7' 3"	7' 3"	8' 11"	8' 11"	9' 5"	9' 5"	11' 4"	11' 4"
16" O.C.		SPF	#1 / #2	4' 2"	7' 3"	8' 7"	8' 10"	10' 3"	10' 3"	10' 6"	10' 6"	13' 5"	13' 10"
		HF	#3	4' 1"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	10' 3"	10' 3"	13' 5"	13' 5"
			STUD	4' 1"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	10' 3"	10' 3"	13' 5"	13' 5"
			STANDARD	4' 1"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	10' 1"	10' 1"	11' 8"	11' 8"
12" O.C.		SP	#1	4' 7"	7' 3"	8' 7"	9' 3"	10' 3"	10' 3"	11' 0"	11' 0"	13' 5"	14' 0"
			#2	4' 6"	7' 3"	8' 7"	9' 3"	10' 3"	10' 3"	11' 0"	11' 0"	13' 5"	14' 0"
		DFL	#3	4' 4"	6' 10"	8' 7"	9' 0"	10' 3"	10' 3"	10' 9"	10' 9"	13' 5"	14' 0"
			STUD	4' 4"	6' 9"	8' 7"	8' 7"	10' 3"	10' 3"	10' 9"	10' 9"	13' 5"	14' 0"
12" O.C.		SPF	#1 / #2	4' 7"	5' 10"	7' 8"	7' 8"	10' 3"	10' 3"	10' 4"	10' 4"	11' 11"	11' 11"
		HF	#3	4' 6"	8' 0"	9' 5"	9' 5"	11' 3"	11' 3"	11' 3"	11' 3"	14' 0"	14' 0"
			STUD	4' 6"	8' 0"	9' 5"	9' 5"	11' 3"	11' 3"	11' 3"	11' 3"	14' 0"	14' 0"
			STANDARD	4' 6"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	11' 3"	11' 3"	13' 6"	13' 6"
12" O.C.		SP	#1	5' 1"	8' 0"	9' 5"	10' 2"	11' 3"	11' 3"	12' 1"	12' 1"	14' 0"	14' 0"
			#2	4' 11"	8' 0"	9' 5"	10' 2"	11' 3"	11' 3"	12' 1"	12' 1"	14' 0"	14' 0"
		DFL	#3	4' 9"	7' 11"	9' 5"	9' 11"	11' 3"	11' 3"	11' 10"	11' 10"	14' 0"	14' 0"
			STUD	4' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 3"	11' 10"	11' 10"	14' 0"	14' 0"



REFER TO CHART ABOVE FOR MAXIMUM VERTICAL LENGTH.



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ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STUD	#3 STANDARD

DOUGLAS FIR-LARCH

#3 STUD	SOUTHERN PINE
STANDARD	#3 STUD
	STANDARD

GROUP B:

HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR #1	#1 #2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.
PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

REF	ASCE7-02-CAB11030
DATE	04/14/05
DRWG	A11030EE0405
	-ENG
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0"	