DATE 04/25/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000024428

APPLICANT ROGER RUNYON PHONE 362-2548

ADDRESS 13907 120TH STREET LIVE OAK FL 32060

OWNER BRIAN WILKERSON PHONE 561 213-2414

ADDRESS 185 SW WOODLEAF COURT LAKE CITY FL 32025

CONTRACTOR ROGER RUNYON PHONE 386.362.2548

LOCATION OF PROPERTY 90-W TO EMERALD COVE S/D, TL, TO WOODLEAF CT,TR AND IT'S THE 5TH LOT ON THE L.

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 145150.00

HEATED FLOOR AREA 2093.00 TOTAL AREA 3695.00 HEIGHT 25.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

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

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

PARCEL ID 33-3S-16-02438-121 SUBDIVISION EMERALD COVE

LOT 21 BLOCK PHASE 1 UNIT TOTAL ACRES 0.50

00001059		CGC045489	Roger N. Runyon	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"X32'MITERED	06-0322-n	Blk	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE.

Check # or Cash 3747

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 $ 730.00 CERTIFICATION FEE $ 18.48 SURCHARGE FEE $ 18.48

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ N/C **TOTAL FEE** 841.96

INSPECTORS OFFICE CH CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application CK# 3747

Revised 9-23-04

For Office Use Only Application # 0604-03 Date Received 4/3/06 By GT Permit # 1059/24428

Application Approved by - Zoning Official BLK Date 24.04.06 Plans Examiner OK JTH Date 4-20-06

Flood Zone X per survey Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Den.

Comments [redacted] / AOL

Applicants Name Roger W. Runyon Phone 386-362-2548

Address 13907 120th Street, Live Oak, FL 32060

Owners Name Brian Wilkerson Phone 561-213-2414

911 Address 185 Woodleaf Ct. SW, Lake City, FL 32025

Contractors Name Roger W. Runyon Phone 386-362-2548

Address 13907 120th Street, Live Oak, FL 32060

Fee Simple Owner Name & Address Brian Wilkerson 17790 127th Dr. N, Jupiter, FL 33478

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Repasky

Mortgage Lenders Name & Address Country Wide Home Loans 1425 Village Square Blvd, Tallahassee, FL 32312

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

Property ID Number 33-3S-16-02438-121 Estimated Cost of Construction 319,000.00

Subdivision Name Emerald Cove Lot 21 Block ____ Unit ____ Phase 1

Driving Directions Hwy 90 west, left into Emerald Cove Subdivision, Right on Woodleaf Ct. SW, 5th on left

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage ½ acre Lot Size ____ Do you need a - (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 45' Side 15' Side 18' Rear 88'

Total Building Height 25' Number of Stories 2 Heated Floor Area 2903 Roof Pitch 7/12

Porch 72 Garage 476 TOTAL 3695

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

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

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

Roger W. Runyon — Owner Builder or Agent (including Contractor)

Roger W. Runyon — Contractor Signature

Contractors License Number CGC 045489

Competency Card Number ____

STATE OF FLORIDA
COUNTY OF COLUMBIA

GALE TEDDER MY COMMISSION # DD 332894 EXPIRES: June 28, 2008 Bonded Thru Notary Public Underwriters — NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 3rd day of April 2006.

Personally known ____ or Produced Identification DL

DL # [redacted]

Gale Tedder — Notary Signature

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0322N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.

See attached

tes:

e Plan submitted by: Roger W. Lewis (Signature) Agent (Title)

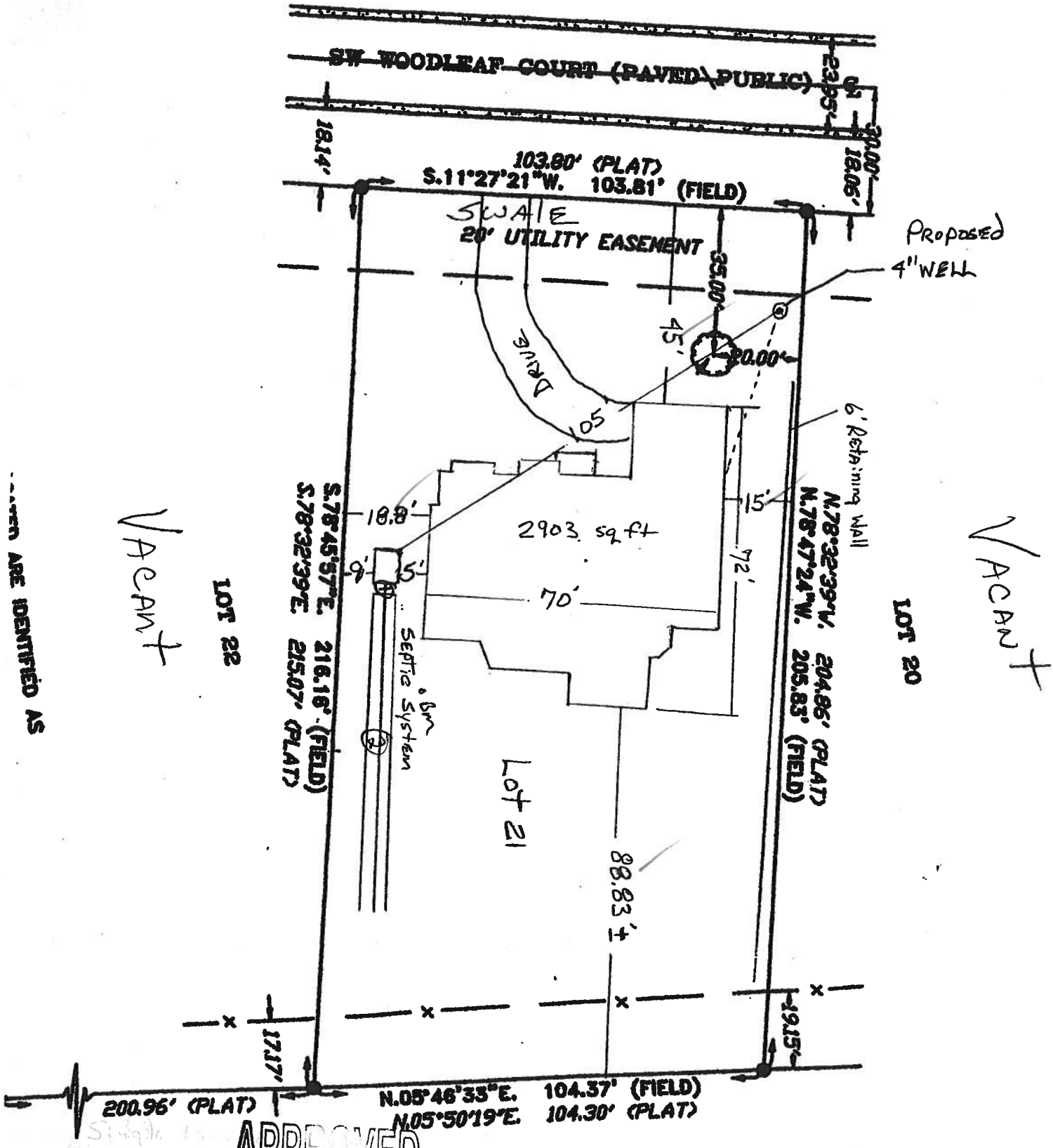
n Approved Not Approved Date 4/10/06

APPROVED Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

15, 10/96 (Replaces HRS-H Form 4015 which may be used)
Number: 5744-002-4015-0

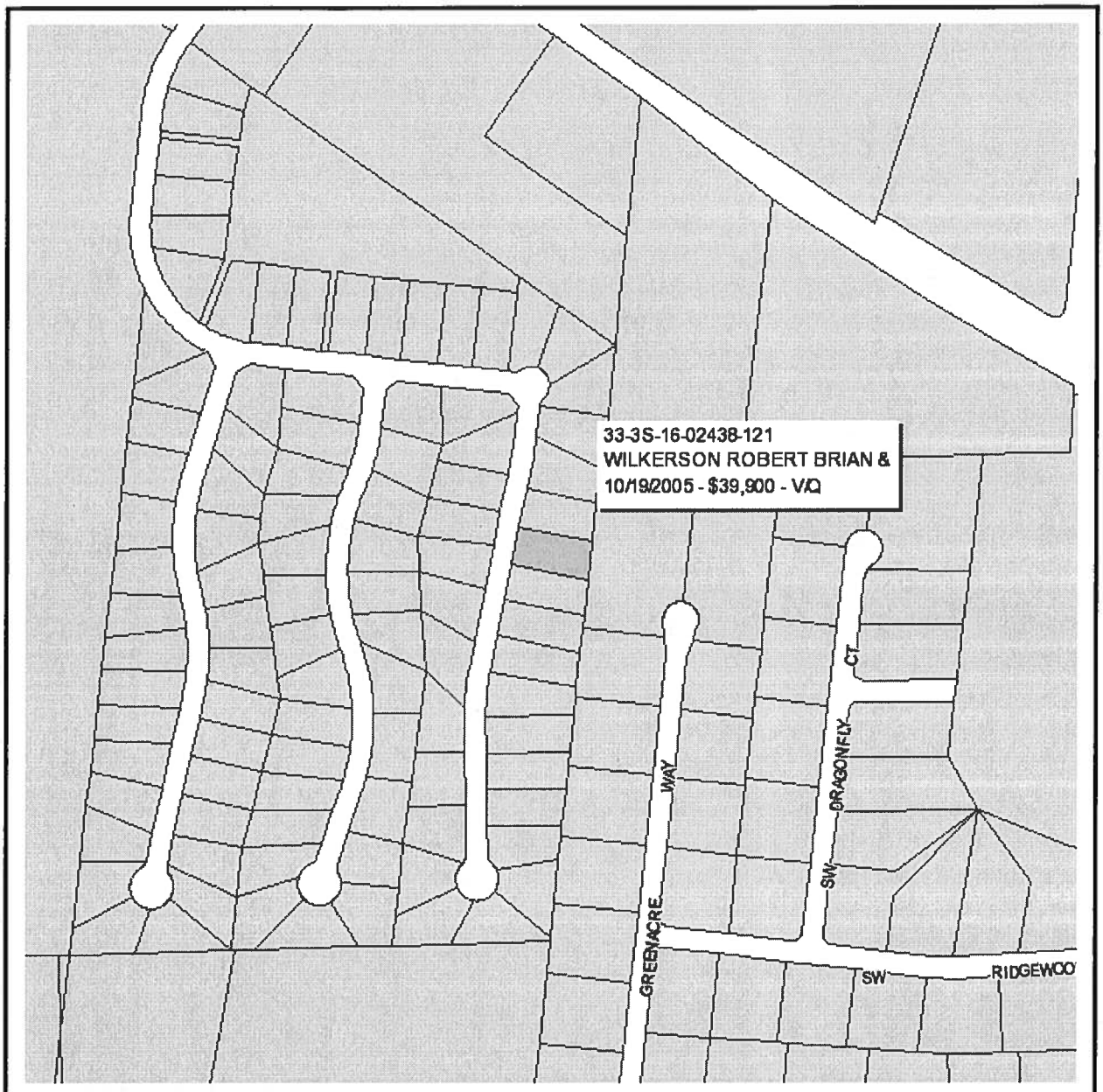
WILKERSON RESIDENCE
LOT 21, EMERALD COVE
PARCEL ID # 33-35-16-02438-121



APPROVED

Roger W. Lupo

SCALE
1"=30'



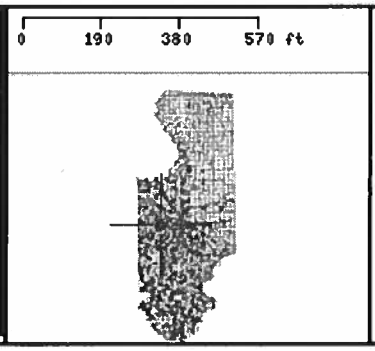
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 33-3S-16-02438-121 - VACANT (000000)

LOT 21 EMERALD COVE S/D PHS 1. WD 1062-2197.

Name:	WILKERSON ROBERT BRIAN &	LandVal	$32,500.00
Site:	WOODLEAF	BldgVal	$0.00
	FRANCINE R	ApprVal	$32,500.00
Mail:	17790 127TH DR NORTH	JustVal	$32,500.00
	JUPITER, FL 33478	Assd	$32,500.00
Sales Info	10/19/2005 $39,900.00V / Q	Exmpt	$0.00
		Taxable	$32,500.00



This information, GIS Map Updated: 4/6/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

PREPARED BY AND RETURN TO:

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

Inst:2005026445 Date:10/24/2005 Time:13:02
Doc Stamp-Deed : 279.30
DC,P.DeWitt Cason,Columbia County B:1062 P:2197

Property Appraiser's
Identification Number - 02438-000
& 02421-000

TM File No: 05-640

WARRANTY DEED

This Warranty Deed, made this 19th day of ~~September~~ October, 2005, BETWEEN D D P CORPORATION, a Florida corporation, whose post office address is 4158 US Highway 90 West, Lake City, Florida 32055, of the County of Columbia, State of Florida, grantor, and ROBERT BRIAN WILKERSON AND FRANCINE R. WILKERSON, Husband and Wife whose post office address is 17790 127th Drive North, Jupiter, FL 33478, grantees.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

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

Lot 21, Emerald Cove, Phase 1, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 35-36, public records, Columbia County, Florida.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

(Signature of First Witness)

Karen M. Wright
(Typed Name of First Witness)

(Signature of Second Witness)

DeEtte F. Brown
(Typed Name of Second Witness)

D D P CORPORATION

BY: _____ (SEAL)
O. P. Daughtry, III,
President

(Corporate Seal)

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 6th day of September, 2005, by O. P. Daughtry, III, President of D D P Corporation, a Florida corporation, on behalf of said corporation, who is/are personally known to me or who has/have produced _____ as identification and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

KAREN M. WRIGHT
Notary Public - State of Florida
My Commission Expires Jan 23, 2006
Commission # DD068234
Bonded By National Notary Assn.

Inst:2005026445 Date:10/24/2005 Time:13:02
Doc Stamp-Deed : 279.30
DC,P.DeWitt Cason,Columbia County B:1062 P:2198

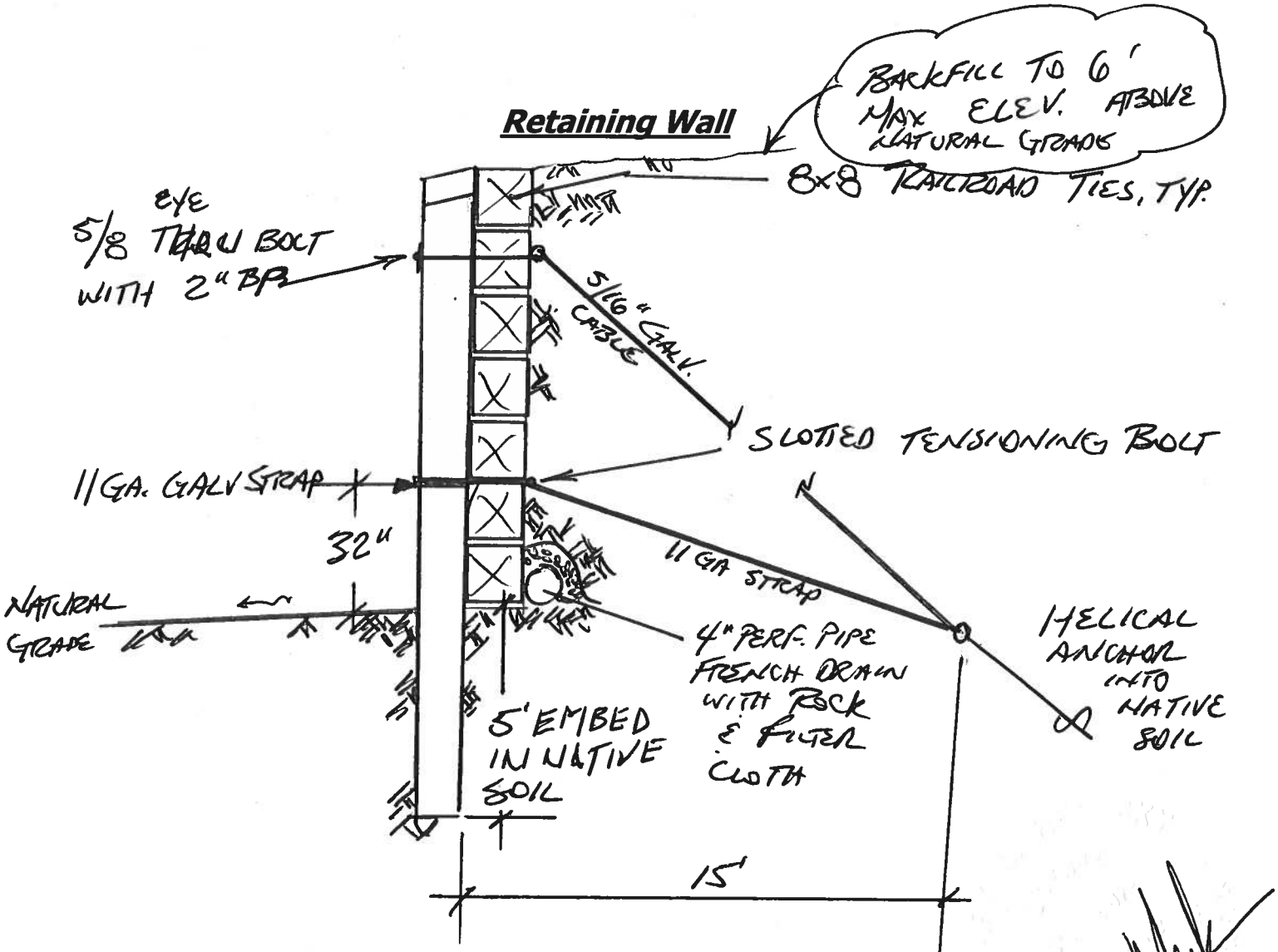
Mark D. Repasky PE
2009 West Randolph Circle
Tallahassee, Florida 32308

Phone: (850) 561-1111
Fax: (850) 385-1832
Email: repaskymd@aol.com

3/30/2006

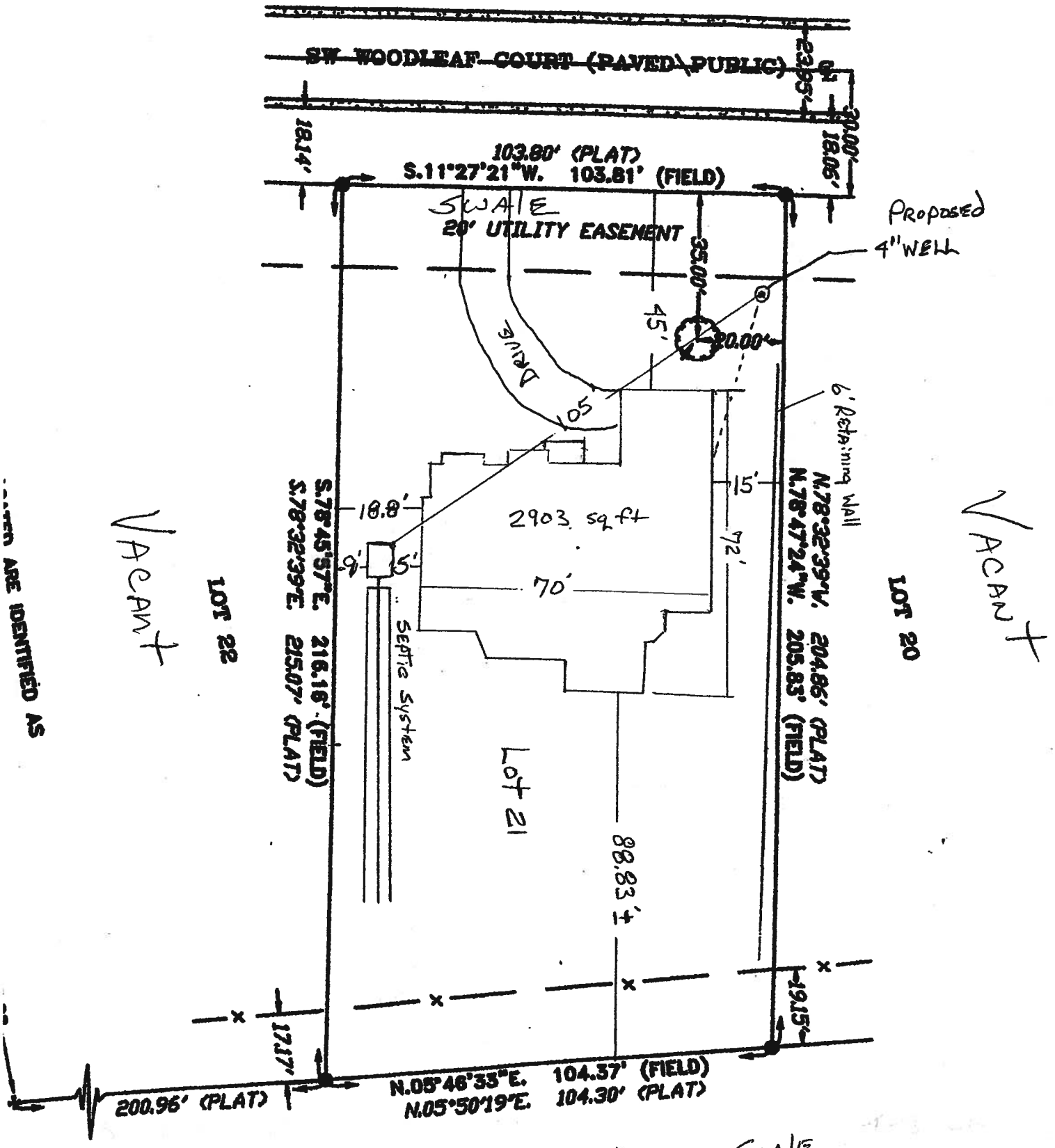
Our Friends at the Columbia County Building Department
Joe Haltiwanger , Building Official

Project/Permit Wilkerson/Lot 21 Emerald Cove



Mark D. Repasky PE
Florida Civil 36872

WILKERSON RESIDENCE
LOT 21, EMERALD COVE
PARCEL ID # 33-3S-16-02438-121



SCALE
1" = 30'

Roger W. Lupo

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

OWNER Brian Wilkerson
185 Woodleaf Ct. SW, Lake City, FL
PARCEL ID # 33-3S-16-02438-121
Contractor Roger W. Runyon - CGC 045489

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001059

DATE 04/25/2006 PARCEL ID # 33-3S-16-02438-121

APPLICANT ROGER RUNYON PHONE 362-2548

ADDRESS 13907 120TH STREET LIVE OAK FL 32060

OWNER BRIAN WILKERSON PHONE 561 213-2414

ADDRESS 185 SW WOODLEAF COURT LAKE CITY FL 32025

CONTRACTOR ROGER RUNYON PHONE 362-2548

LOCATION OF PROPERTY 90W, TL INTO EMERALD COVE, TR ON WOODLEAF COURT, 5TH LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT EMERALD COVE 21 1

SIGNATURE Roger Runyon

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid no Charge [redacted]

COLUMBIA COUNTY GATEWAY TO FLORIDA

Cal-Tech Testing, Inc.

• Engineering
• Geotechnical
• Environmental
Laboratories

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

24428

JOB NO.: 06-217
DATE TESTED: 4/10/2006
DATE REPORTED: 4/11/2006

REPORT OF IN-PLACE DENSITY TEST

PROJECT:	Emerald Cove, Lot #21, Lake City
CLIENT:	Roger Runyon, 13907 120th St., Live Oak, FL 32060
GENERAL CONTRACTOR:	Roger Runyon
EARTHWORK CONTRACTOR:	Roger Runyon
INSPECTOR:	David Brown

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

SPECIFICATION REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	LIFT/ TEST DEPTH	WET DENSITY (lb/ft^3)	MOISTURE PERCENT	DRY DENSITY (lb/ft^3)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	15' S of N edge, 30' W of E End	L1/12:	132.5	12.6	117.7	1	118.6	99.2%
2	31' S of N edge, 10' W of E end	L1/12:	126.9	12.1	113.2	1	118.6	95.4%
3	8' W of E edge, 5' S of N End	L2/12"	128.5	12.4	114.3	1	118.6	96.4%
4	12' E of W edge, 20' N of S end	L2/12"	129.2	13.1	114.2	1	118.6	96.3%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS

TEST NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft^3)	OPT. MOIST.	TYPE
1	Tan Slightly Clayey Sand	118.6	13.8	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer

Linda M. Creamer
President - CEO

Reviewed By:

John C. Dorman

John C. Dorman, P.E., PhD
Florida Registration No.: 52612
Date: 4/12/06

1cc: Client
1cc: File

SC

Notice of Treatment 12026

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: BAY HOC
City LC Phone 752-1705

Site Location: Subdivision Emerald Cove
Lot # 21 Block# _____ Permit # ~~2xxx~~ *24428
Address 185 SW Woodleaf CT

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☑ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	3200	240	26

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 _____.

6/1/06 Date | 1740 Time | F254 Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

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

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32256

Tel. (904) 755-3633 • Fax (904) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

"Excellence in Engineering & Geoscience"

JOB NO: 06-217

DATE TESTED: 6-1-06

24428

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ✓ D-2922 (Nuclear) ___D-2937 (Drive Cylinder) ___Other ___

PROJECT: Emerald Cove Lot 21

CLIENT: Roger Rumyor

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: SAC #24428

SOIL USE: (1) SPECIFICATION REQUIREMENTS: 95 %

TECHNICIAN: P. Geiger

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698): ___

TEST NO.	TEST LOCATION	TEST ___DEPTH ___ELEV. ___LIFT#	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST. PERCENT	% MAX.DENS.
8	10'S X8'E of NW Corner	12"	1	121.5	112.7	7.8	95.0
9	7'N X18' E of SE Corner	"	1	123.8	114.9	7.7	96.9
10	Ctr of House Pad	"	1	127.4	118.8	7.3	100.2
11	15'W X6'S of NE Corner	"	1	124.0	115.9	7.0	97.7

REMARKS: ___

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT.MOIST.
1	Tan Slightly Clayey Sand	118.6	13.8

NOTE: SOIL USES: 1. Building Pad Fill 2. Trench Backfill 3. Base Course 4. Subbase-Stabilized Subgrade 5. Embankment 6. Subgrade - Natural Soil 7. Other

TRANSMITTAL: ENGINEERING LETTER

Columbia County Building Department
135 NE Hernando Ave
Suite B21
Lake city, Fl 32055
Fax number: 386-752-2160

24428

Attention:	Harry Dicks
Reference:	Wilkerson foundation
Permit Number	24428
CMU stem wall to be:	6 courses, all cells filled solid Reinforcing per print

Thank you for your kind assistance with this matter,

Mark D. Repasky, PE
FL Civil 36782

Mark 27 Jun 06

Mark D. Repasky, PE 0036872
656-D Capital Circle NE
Tallahassee FL 32301
850-251-7743 Mobile
repaskymd@aol.com

VIA FAX / HARDCOPY TO FOLLOW

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 33-3S-16-02438-121 **Building permit No.** 000024428

Use Classification SFD,UTILITY **Fire:** 61.38

Permit Holder ROGER RUNYON **Waste:** 184.25

Owner of Building BRIAN WILKERSON **Total:** 245.63

Location: 185 SW WOODLEAF CT(EMERALD COVE, LOT 21)

Date: 11/14/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**WILKERSON LOT 21**	Builder:	**COMMERCIAL VAULT**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	
Owner:	**WILKERSON**	Jurisdiction Number:	
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	2903 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 459.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 531.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 255.5(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Concrete, Int Insul, Exterior	R=50.0, 1965.0 ft²	
b.	Concrete, Int Insul, Adjacent	R=50.0, 225.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 2902.7 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 70.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 60.0 kBtu/hr	
		SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	PTHP	Cap: 60.0 kBtu/hr	
		COP: 3.40	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 80.0 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)	CF,	

Glass/Floor Area: 0.18

Total as-built points: 34986
Total base points: 41163

PASS

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

PREPARED BY: Larry Resmondo a/c

DATE: 3/1/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2903.0	20.04	10471.7	Double, Clear	W	1.5	7.0	42.0	38.52	0.94	1524.1	
				Double, Clear	S	1.5	2.0	4.0	35.87	0.57	81.1	
				Double, Clear	E	1.5	8.0	55.0	42.06	0.96	2211.1	
				Double, Clear	N	1.5	7.0	24.0	19.20	0.96	441.0	
				Double, Clear	NE	8.0	8.0	35.0	29.56	0.59	605.5	
				Single, Clear	S	10.0	9.0	72.0	40.81	0.50	1483.4	
				Double, Clear	W	7.5	7.0	12.0	38.52	0.51	237.4	
				Double, Clear	S	1.5	5.0	24.0	35.87	0.81	694.6	
				Double, Clear	N	1.5	3.0	12.0	19.20	0.83	191.5	
				Double, Clear	E	1.5	6.0	22.5	42.06	0.91	863.8	
				Double, Clear	W	1.5	7.0	32.5	38.52	0.94	1179.4	
				Double, Clear	E	1.5	7.0	54.0	42.06	0.94	2138.3	
				Double, Clear	E	1.5	7.0	12.0	42.06	0.94	475.2	
				Double, Clear	N	1.5	4.0	9.0	19.20	0.88	152.0	
				Double, Clear	W	1.5	5.0	12.5	38.52	0.88	421.6	
				Double, Clear	E	12.0	7.0	54.0	42.06	0.41	925.8	
				Double, Clear	NE	1.5	7.0	24.0	29.56	0.95	671.6	
				Double, Clear	N	1.5	6.0	22.5	19.20	0.94	405.5	
				Double, Clear	W	1.5	5.0	8.0	38.52	0.88	269.8	
				As-Built Total:				**531.0**				**14972.8**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	225.0	0.70	157.5	Concrete, Int Insul, Exterior	50.0	1965.0	0.10	196.5
Exterior	1965.0	1.70	3340.5	Concrete, Int Insul, Adjacent	50.0	225.0	0.10	22.5
Base Total:	**2190.0**		**3498.0**	**As-Built Total:**		**2190.0**		**219.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Wood	35.0	6.10	213.5
Exterior	56.0	6.10	341.6	Exterior Insulated	21.0	4.10	86.1
Base Total:	**56.0**		**341.6**	**As-Built Total:**	**56.0**		**299.6**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2902.7	1.73	5021.7	Under Attic	30.0	2902.7	1.73 X 1.00	5021.7
Base Total:	**2902.7**		**5021.7**	**As-Built Total:**		**2902.7**		**5021.7**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BSPM	=	Points	Type	R-Value	Area X	SPM	=	Points
Slab	255.5(p)	-37.0		-9453.5	Slab-On-Grade Edge Insulation	0.0	255.5(p	-41.20		-10526.6
Raised	0.0	0.00		0.0						
Base Total:				**-9453.5**	**As-Built Total:**		**255.5**			**-10526.6**
INFILTRATION	Area X	BSPM	=	Points			Area X	SPM	=	Points
	2903.0	10.21		29639.6			2903.0	10.21		29639.6
Summer Base Points: 39519.1					**Summer As-Built Points:**					**39626.1**
Total Summer Points	X System Multiplier	=	Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
					(sys 1: Central Unit 60000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)					
					39626	1.00	(1.09 x 1.147 x 1.11)	0.263	0.950	13715.5
39519.1	**0.4266**			**16858.9**	**39626.1**	**1.00**	**1.388**	**0.263**	**0.950**	**13715.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BWPM	= Points
.18	2903.0	12.74	6657.2

WALL TYPES

	Area X	BWPM	= Points
Adjacent	225.0	3.60	810.0
Exterior	1965.0	3.70	7270.5
Base Total:	**2190.0**		**8080.5**

DOOR TYPES

	Area X	BWPM	= Points
Adjacent	0.0	0.00	0.0
Exterior	56.0	12.30	688.8
Base Total:	**56.0**		**688.8**

CEILING TYPES

	Area X	BWPM	= Points
Under Attic	2902.7	2.05	5950.5
Base Total:	**2902.7**		**5950.5**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF =	Points
Double, Clear	W	1.5	7.0	42.0	20.73	1.02	884.1
Double, Clear	S	1.5	2.0	4.0	13.30	2.27	120.5
Double, Clear	E	1.5	8.0	55.0	18.79	1.02	1054.8
Double, Clear	N	1.5	7.0	24.0	24.58	1.00	590.7
Double, Clear	NE	8.0	8.0	35.0	23.57	1.04	861.3
Single, Clear	S	10.0	9.0	72.0	20.24	2.91	4241.8
Double, Clear	W	7.5	7.0	12.0	20.73	1.17	292.1
Double, Clear	S	1.5	5.0	24.0	13.30	1.20	382.1
Double, Clear	N	1.5	3.0	12.0	24.58	1.01	297.7
Double, Clear	E	1.5	6.0	22.5	18.79	1.04	437.8
Double, Clear	W	1.5	7.0	32.5	20.73	1.02	684.2
Double, Clear	E	1.5	7.0	54.0	18.79	1.03	1040.7
Double, Clear	E	1.5	7.0	12.0	18.79	1.03	231.3
Double, Clear	N	1.5	4.0	9.0	24.58	1.01	222.5
Double, Clear	W	1.5	5.0	12.5	20.73	1.03	268.1
Double, Clear	E	12.0	7.0	54.0	18.79	1.43	1446.5
Double, Clear	NE	1.5	7.0	24.0	23.57	1.00	567.6
Double, Clear	N	1.5	6.0	22.5	24.58	1.00	554.3
Double, Clear	W	1.5	5.0	8.0	20.73	1.03	171.6
As-Built Total:				**531.0**			**14349.7**

Type	R-Value	Area X	WPM =	Points
Concrete, Int Insul, Exterior	50.0	1965.0	1.30	2554.5
Concrete, Int Insul, Adjacent	50.0	225.0	1.20	270.0
As-Built Total:		**2190.0**		**2824.5**

Type	Area X	WPM =	Points
Exterior Wood	35.0	12.30	430.5
Exterior Insulated	21.0	8.40	176.4
As-Built Total:	**56.0**		**606.9**

Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	30.0	2902.7	2.05 X 1.00	5950.5
As-Built Total:		**2902.7**		**5950.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	255.5(p)	8.9	2273.9	Slab-On-Grade Edge Insulation	0.0	255.5(p	18.80		4803.4
Raised	0.0	0.00	0.0						
Base Total:			**2273.9**	**As-Built Total:**		**255.5**			**4803.4**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	2903.0	-0.59	-1712.8			2903.0	-0.59		-1712.8
Winter Base Points:			**21938.2**	**Winter As-Built Points:**					**26822.3**
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: PTHP 60000 btuh ,EFF(3.4) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
				26822.3	1.000	(1.069 x 1.169 x 1.10)	0.294	1.000	10844.3
21938.2	**0.6274**		**13764.0**	**26822.3**	**1.00**	**1.375**	**0.294**	**1.000**	**10844.3**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4	2635.00	10540.0		80.0	0.93	4	1.00	2606.67	1.00	10426.7
				As-Built Total:						**10426.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
16859	**13764**	**10540**	**41163**	**13715**	**10844**	**10427**	**34986**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir 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* = 85.4

The higher the score, the more efficient the home.

WILKERSON, , , ,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family		a.	Central Unit	Cap: 60.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	4		b.	N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	2903 ft²		c.	N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
a.	U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 459.0 ft²		13.	Heating systems	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 531.0 ft²		a.	PTHP	Cap: 60.0 kBtu/hr
8.	Floor types					COP: 3.40
a.	Slab-On-Grade Edge Insulation	R=0.0, 255.5(p) ft		b.	N/A	
b.	N/A					
c.	N/A			c.	N/A	
9.	Wall types					
a.	Concrete, Int Insul, Exterior	R=50.0, 1965.0 ft²		14.	Hot water systems	
b.	Concrete, Int Insul, Adjacent	R=50.0, 225.0 ft²		a.	Electric Resistance	Cap: 80.0 gallons
c.	N/A					EF: 0.93
d.	N/A			b.	N/A	
e.	N/A					
10.	Ceiling types			c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 2902.7 ft²		15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	CF,
b.	N/A					
c.	N/A					
11.	Ducts					
a.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 70.0 ft				
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.*

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

DUCT SYSTEM SUMMARY
Entire House
LARRY RESMONDO A/C

Job: WILKERSON LOT 21
EMERALD COVE 3/1/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: COMMERCIAL VAULT ENTERPRISES
13907 120TH STREET, LIVE OAK, FL 32060
Phone: 386-362-2548 Fax: 386-362-5671

	HEATING	COOLING
External Static Pressure:	***0.10*** in H2O	0.00 in H2O
Pressure Losses:	0.50 in H2O	0.50 in H2O
Available Static Pressure:	-0.4 in H2O	-0.5 in H2O
Friction Rate:	***0.100*** in/100ft	***0.100*** in/100ft
Actual AVF:	1150 cfm	1150 cfm

Total Effective Length (TEL): 120 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
FIRST FLOOR	3614	3864	112	112	0.100	421	7	0x 0	VlFx	st1
FIRST FLOOR-A	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1A
FIRST FLOOR-B	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1A
FIRST FLOOR-C	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1B
FIRST FLOOR-D	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1
FIRST FLOOR-E	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1
FIRST FLOOR-F	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1
FIRST FLOOR-G	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1
FIRST FLOOR-H	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1
FIRST FLOOR-I	3610	3858	111	112	0.100	420	7	0x 0	VlFx	st1
BONUS ROOM	1131	956	35	28	0.100	256	5	0x 0	VlFx	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1150	1150	824	16	0 x 0	RectFbg	
st1A	Peak AVF	334	337	617	10	0 x 0	RectFbg	st1
st1B	Peak AVF	111	112	572	6	0 x 0	RectFbg	st1A

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	37239	39540	1150	1150	0.100	651	18	0x 0	VlFx	

RIGHT-J BUILDING ANALYSIS REPORT
Entire House
LARRY RESMONDO A/C

Job: WILKERSON LOT 21
EMERALD COVE 3/1/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: COMMERCIAL VAULT ENTERPRISES
13907 120TH STREET, LIVE OAK, FL 32060
Phone: 386-362-2548 Fax: 386-362-5671

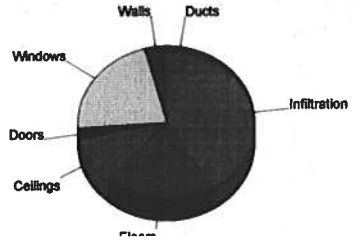
Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration	
Method	Simplified
Construction quality	Average
Fireplaces	0

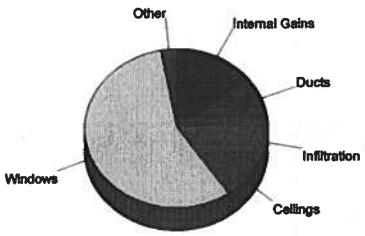
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	0.7	1544	4.1
Windows	15.3	8126	21.8
Doors	18.8	1054	2.8
Ceilings	1.2	3544	9.5
Floors	30.0	7657	20.6
Infiltration	23.1	13538	36.4
Ducts		1773	4.8
Total		**37236**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.2	547	1.4
Windows	42.2	22390	56.6
Doors	10.5	587	1.5
Ceilings	1.1	3161	8.0
Floors	0.0	0	0.0
Infiltration	6.1	3554	9.0
Ducts		3594	9.1
Internal gains		5700	14.4
Total		**39534**	**100.0**



Cooling at 84 % SHR = 3.8 ton
Cooling at 70 % SHR = 4.6 ton
Cooling air flow = 302 cfm/ton
Cooling at 400 cfm/ton = 2.9 ton
Overall U-Value = 0.100 Btuh/ft²-°F

Data entries checked.

RIGHT-J LOAD AND EQUIPMENT SUMMARY
Entire House
LARRY RESMONDO A/C

Job: WILKERSON LOT 21
EMERALD COVE 3/1/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: COMMERCIAL VAULT ENTERPRISES
13907 120TH STREET, LIVE OAK, FL 32060
Phone: 386-362-2548 Fax: 386-362-5671

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Building heat loss	37236	Btuh
Ventilation air	0	cfm
Ventilation air loss	0	Btuh
Design heat load	37236	Btuh

Sensible Cooling Equipment Load Sizing

Structure	39534	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	0.97	
Total sens. equip. load	38348	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2903	2903
Volume (ft³)	28453	28453
Air changes/hour	0.7	0.4
Equiv. AVF (cfm)	333	190

Latent Cooling Equipment Load Sizing

Internal gains	690	Btuh
Ventilation	0	Btuh
Infiltration	6663	Btuh
Total latent equip. load	7353	Btuh
Total equipment load	45701	Btuh

Heating Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-060JA

Efficiency	3.4 HSPF	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temp rise	0	°F
Actual heating fan	1150	cfm
Heating air flow factor	0.031	cfm/Btuh

Space thermostat

Cooling Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-060JA
UBHJ-25+RCHJ-61A1

Efficiency	13.0 SEER	
Sensible cooling	37450	Btuh
Latent cooling	16050	Btuh
Total cooling	53500	Btuh
Actual cooling fan	1150	cfm
Cooling air flow factor	0.029	cfm/Btuh
Load sensible heat ratio	84	%

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

RIGHT-J SHORT FORM
Entire House

LARRY RESMONDO A/C

Job: WILKERSON LOT 21
EMERALD COVE 3/1/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: COMMERCIAL VAULT ENTERPRISES
13907 120TH STREET, LIVE OAK, FL 32060
Phone: 386-362-2548 Fax: 386-362-5671

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-060JA

Efficiency	3.4 HSPF	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temperature rise	0	°F
Actual heating fan	1150	cfm
Heating air flow factor	0.031	cfm/Btuh

Space thermostat

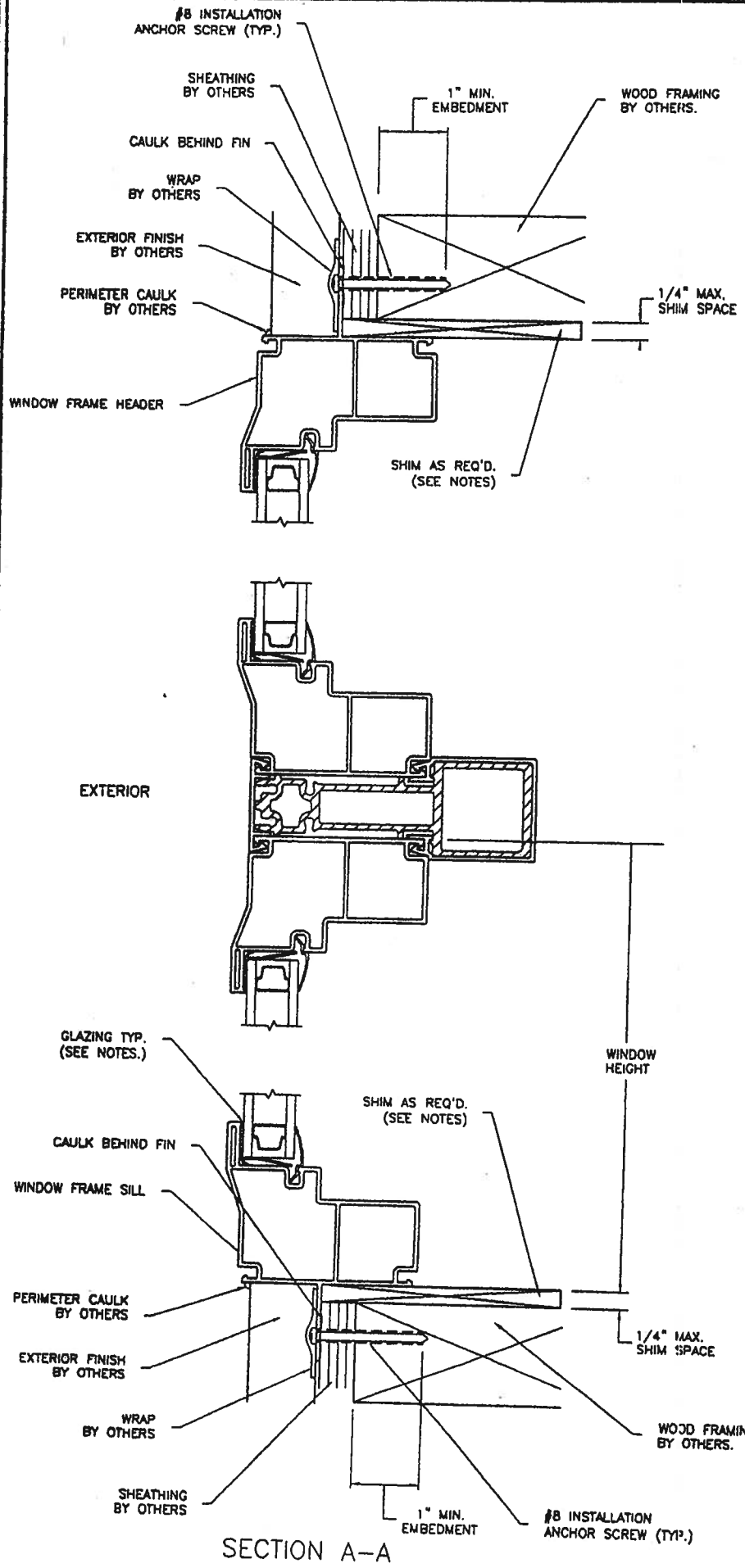
COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-060JA
UBHJ-25+RCHJ-61A1

Efficiency	13.0 SEER	
Sensible cooling	37450	Btuh
Latent cooling	16050	Btuh
Total cooling	53500	Btuh
Actual cooling fan	1150	cfm
Cooling air flow factor	0.029	cfm/Btuh
Load sensible heat ratio	84	%

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
FIRST FLOOR	2616	36105	38578	1115	1122
BONUS ROOM	287	1131	956	35	28
Entire House d	2903	37236	39534	1150	1150
Ventilation air		0	0		
Equip. @ 0.97 RSM			38348		
Latent cooling			7353		
TOTALS	2903	37236	45701	1150	1150

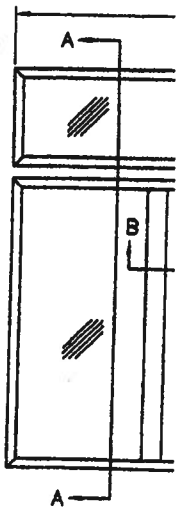
Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



SECTION A–A

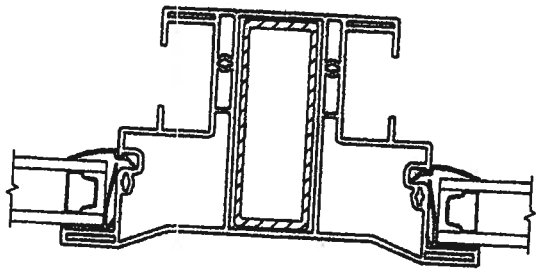
NOTES:
HORIZONTAL MULLION LOAD CAPAC

MULL SPAN> WOW. HGT.V	24.000	36.000
36.000	1656	491
48.000	1656	491
54.000	1656	491
60.000	1656	491
66.000	1656	491
72.000	1656	491
78.000	1656	491
84.000	1656	491
90.000	1656	491
96.000	1656	491

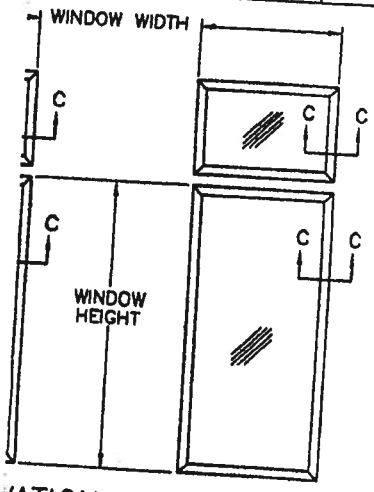


NOTES:
1) SHIM AS REQ'D AT EACH INSTALLATION AN
BEARING SHIM. MAX. ALLOWABLE SHIM STACK
WHERE SPACE OF 1/16" OR GREATER IS PR
2) WINDOW FRAME MATERIAL: POLYVINYL CHL
3) INSTALLATION ANCHORS, #8 SCREWS OF S
ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD
INSTALLATION ANCHORS AT 6" MAX. FROM CC
4) MULLION ANCHOR CLIPS ARE SECURED TC
#8 X 3/4" SCREWS. CLIP IS SECURED TO C
INSTALLATION ANCHORS THAT SECURE FIN..
5) USE LATEX CAULK FOR PERIMETER SEAL
WINDOW FRAME.
6) USE LATEX CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VERY PER REQUIRE
8) JORDAN WINDOW SERIES 8900 CONTINOUS
WINDOW STACKED OVER SERIES 8900 PICTURE
9) INSTALLATION AS STATED HEREIN COMPLIES
BUILDING CODE. DESIGN PRESSURE CAPACITY
IS 50.0 PSF.

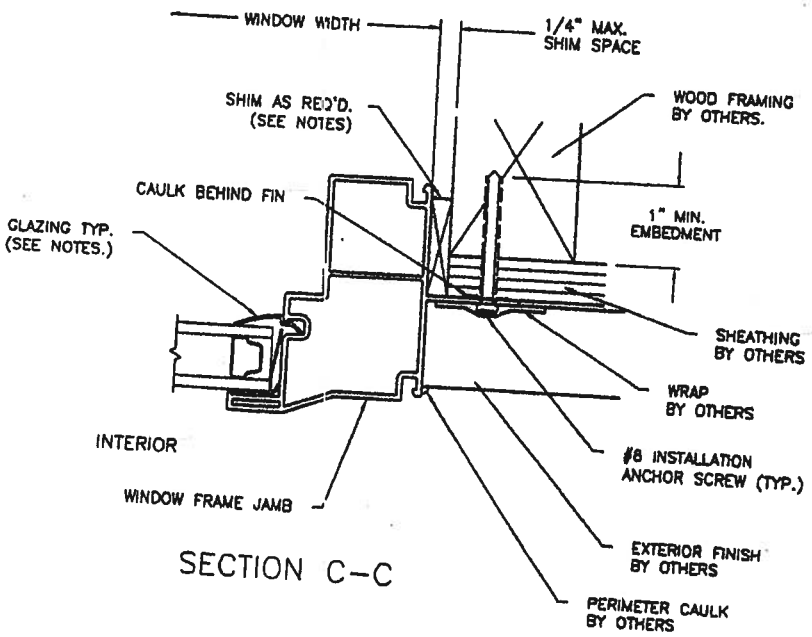
60.000	72.000	84.000	96.000	108.000
117	72	44	27	18
108	65	40	25	16
107	64	39	24	15
106	62	38	23	15
106	62	37	22	14
106	61	36	22	14
106	61	36	21	14
106	61	36	21	14
106	61	36	21	13
106	61	36	21	13



SECTION B–B



/ATION
OM EXTERIOR



SECTION C–C

H LOAD
/4". SHIM

LENGTH TO
SPACE.
ND MAX. 24" O.C.
USING FOUR
ION USING SAME

XTERIOR OF

F ASTM E1300.
SILL AND PICTURE
S ARE SHOWN.
E FLORIDA
W & INSTALLATION

5/23/03

JORDAN

P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

DESCRIPTION 8900 HORIZONTAL MULL INSTALLATION DETAIL

FILE NAME 8900 HORIZONTAL MULL INSTALLATION DETAIL

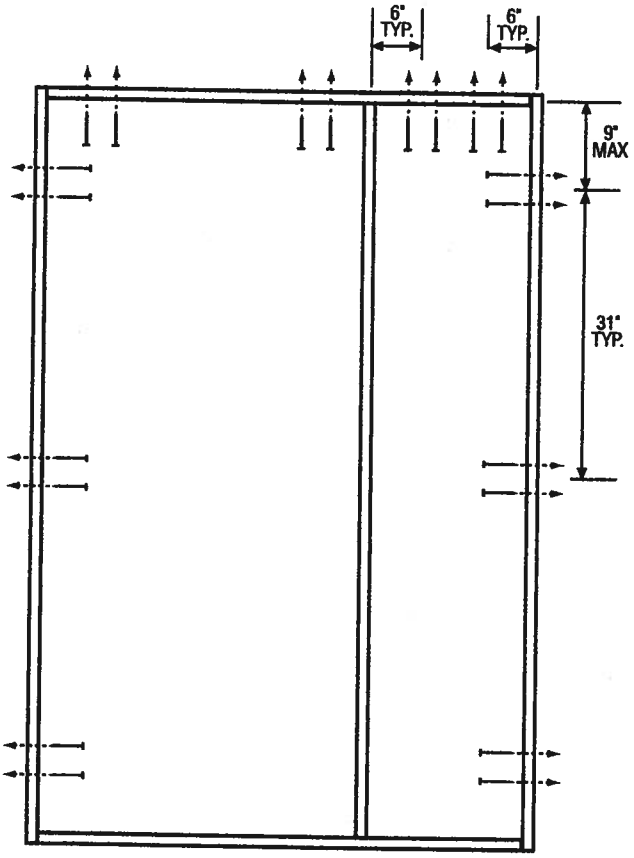
DATE 5-14-02

DRAWN BY CLIFF SIMMONS

XO or **OX**
Unit

MID-WL-MA0003-02

SINGLE DOOR WITH 1 SIDELITE



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

Latching Hardware:

- [1] Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 5-1/2" centerline.
- [2] Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 10-1/2" centerline **OR** that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed @ 5-1/2" centerline with 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts installed on latch side of active door panel – (1) at top and (1) at bottom.
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Hardware requirements not footnoted on COP documents shall comply with item 1 as shown above.

Notes:

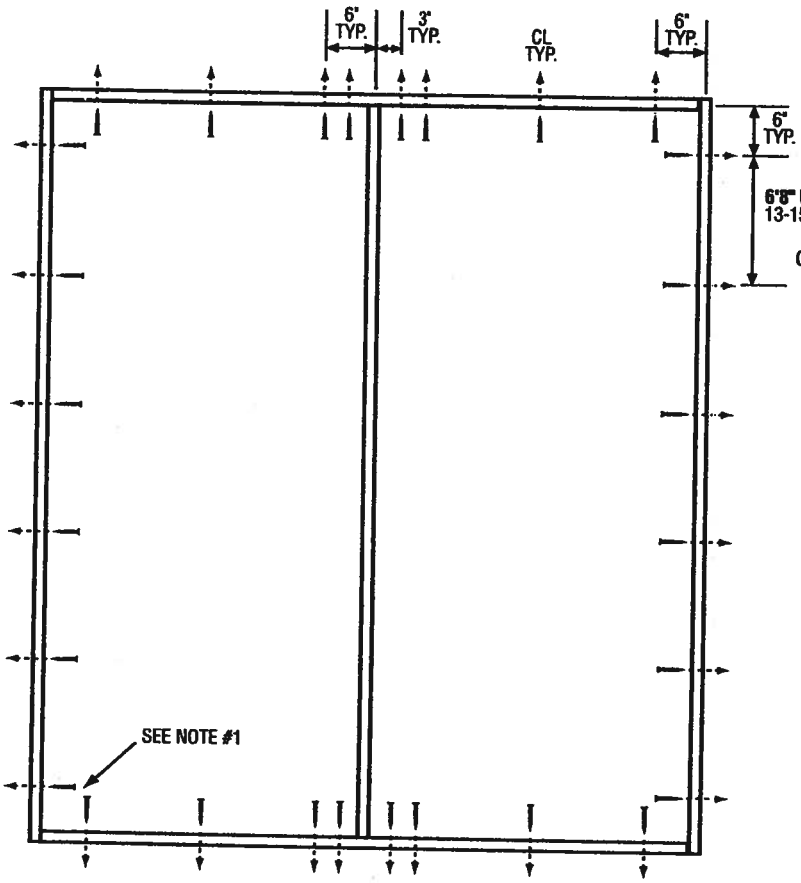
1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include 10d common nails. A physical shim must be placed in shim space at each anchor location. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite®

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

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Hardware requirements not footnoted on COP documents shall comply with item 1 as shown above.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. A physical shim must be placed in shim space at each anchor location. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

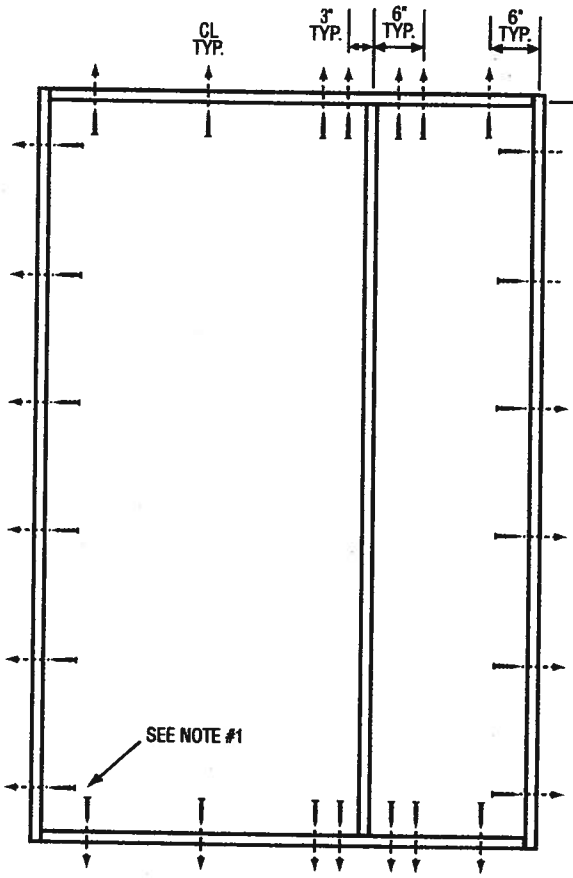
October 27, 2003

Masonite®

XO or OX
Unit

MID-WL-MA0003-02

SINGLE DOOR WITH 1 SIDELITE



Minimum Fastener Count

- 6 per vertical framing member
- 7 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

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Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. A physical shim must be placed in shim space at each anchor location. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

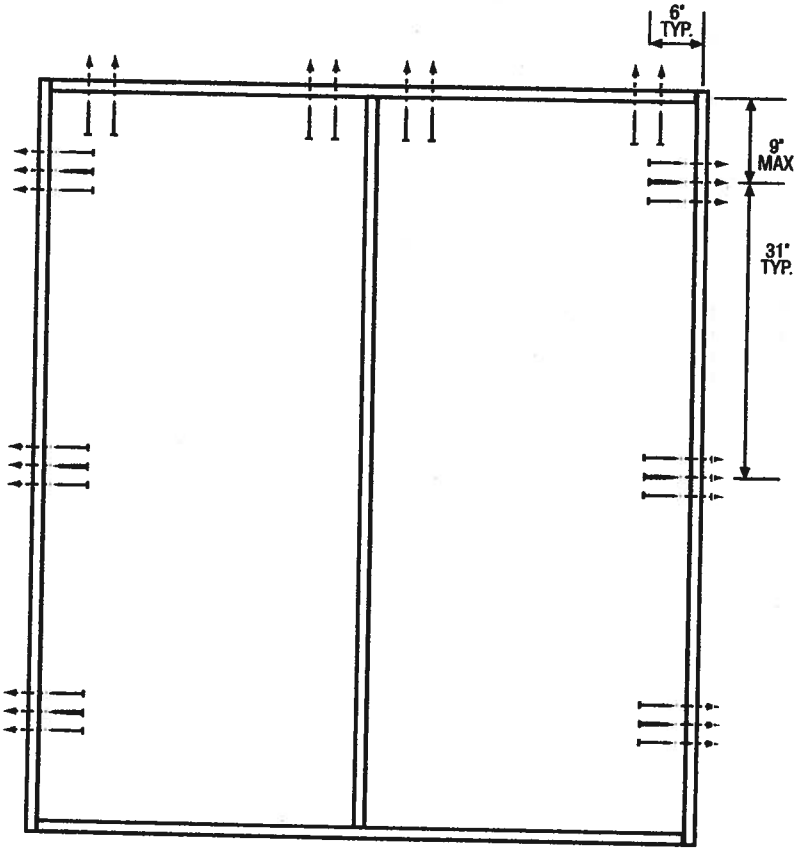
October 27, 2003

Masonite®

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

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Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 wood screws and 10d common nails. A physical shim must be placed in shim space at each anchor location. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw and common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

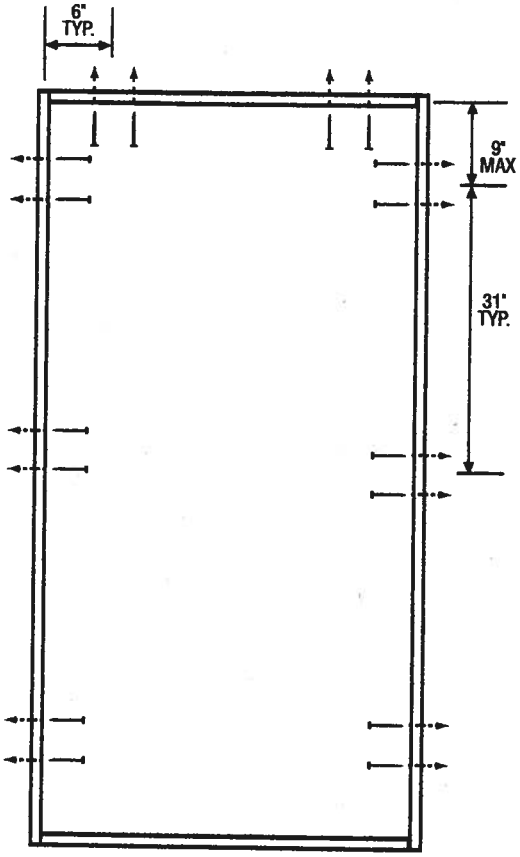
October 27, 2003

Masonite®

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" height and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 4 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

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2. The common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

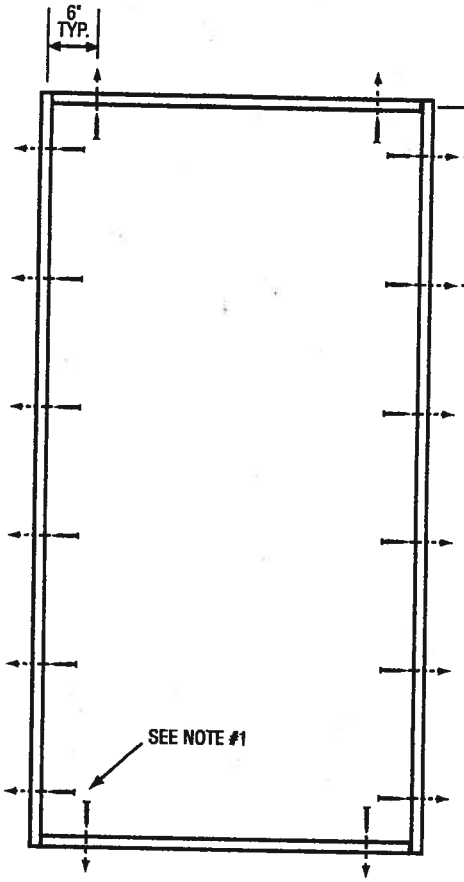
October 27, 2003

Masonite®

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

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Hardware requirements not footnoted on COP documents shall comply with item 1 as shown above.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. A physical shim must be placed in shim space at each anchor location. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
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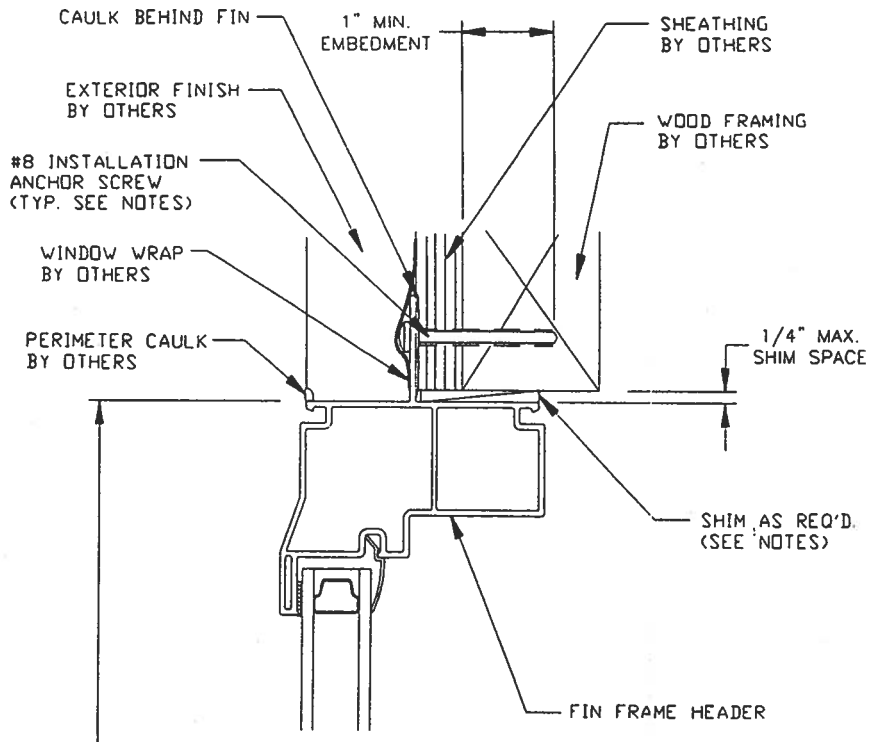
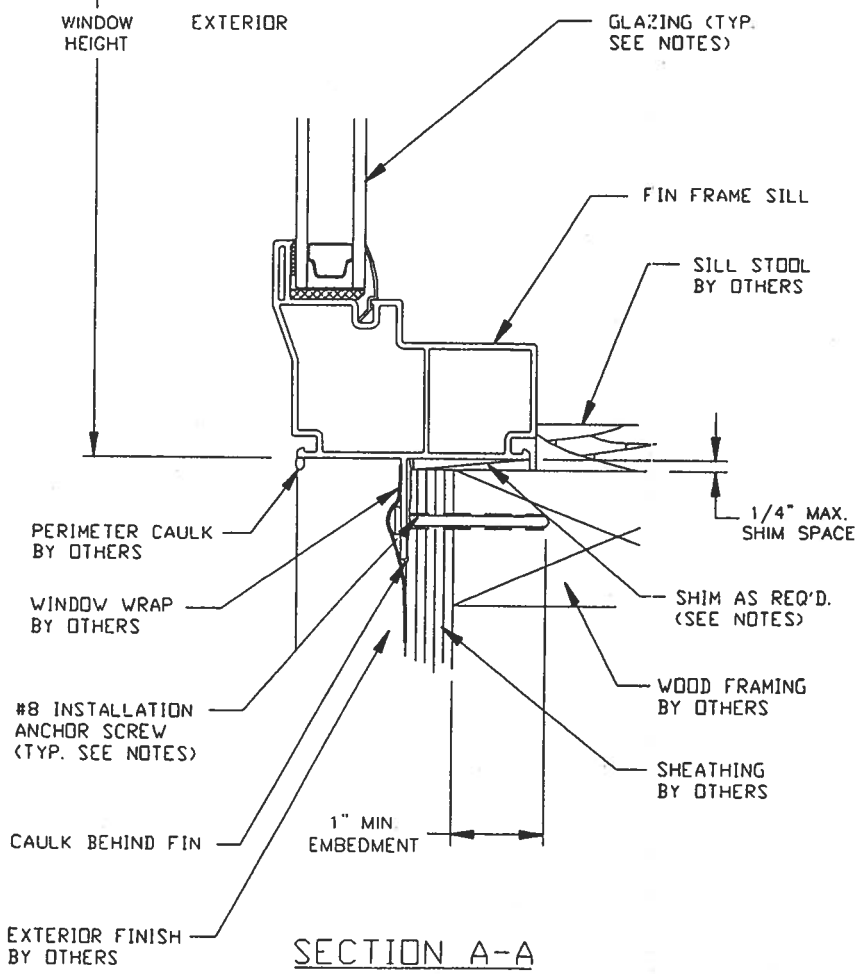
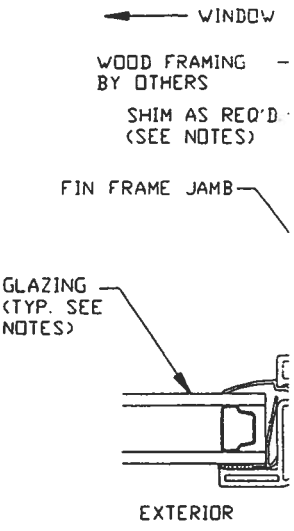
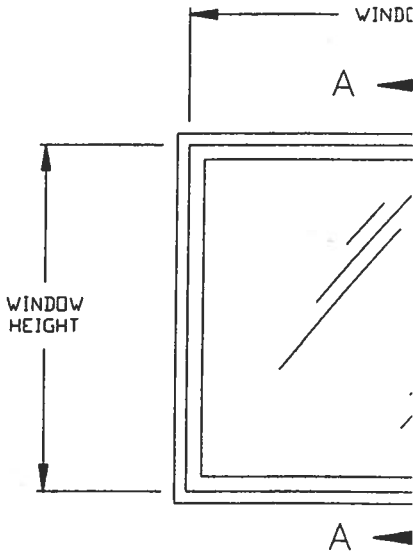
Masonite®



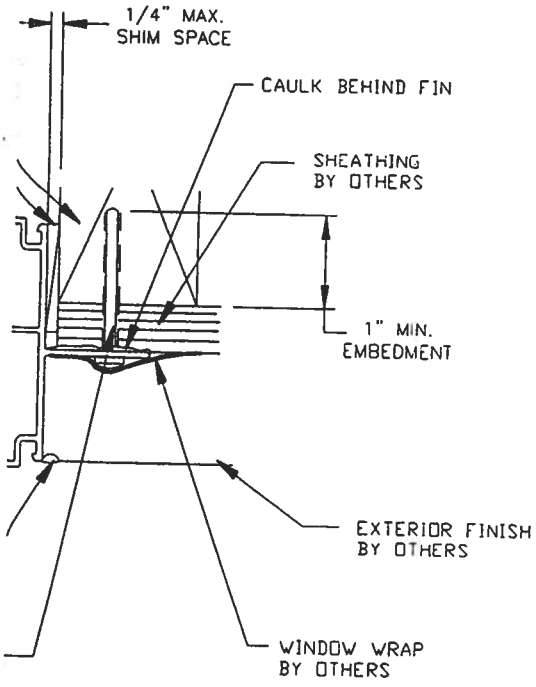


SECTION A-A



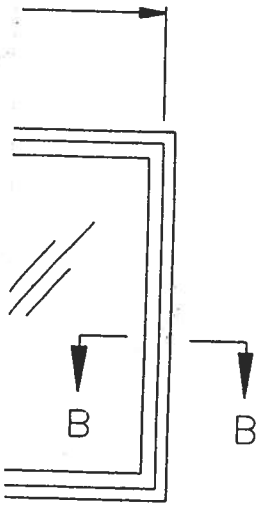


ELEVA
VIEWED FRO



TION B-B

COMPARATIVE ANALYSIS & ANCHOR CHART						
WINDOW SIZE (INCHES)	DESIGN PRESSURE CAPACITY IN PSF		NO. OF #8 SCREWS REQ'D. IN FRAME		NO. OF 0.090 DIA. NAILS REQ'D. IN FRAME	
WIDTH/HEIGHT	EXTERIOR	INTERIOR	HEAD & SILL	@ EA. JAMB	HEAD & SILL	@ EA. JAMB
11-5/8 X 8-5/8	315	-315	2	2	2	2
11-5/8 X 23-5/8	205	-205	2	2	2	3
11-5/8 X 35-5/8	165	-165	2	3	2	5
11-5/8 X 47-5/8	150	-150	2	3	2	6
11-5/8 X 51-5/8	147	-147	2	3	2	6
11-5/8 X 59-5/8	143	-143	2	3	2	7
11-5/8 X 71-5/8	138	-138	2	4	2	8
11-5/8 X 77-5/8	136	-136	2	4	2	8
17-5/8 X 8-5/8	235	-235	2	2	3	2
17-5/8 X 23-5/8	132	-132	2	2	2	3
17-5/8 X 35-5/8	74	-74	2	3	2	3
17-5/8 X 47-5/8	55	-55	2	3	2	3
17-5/8 X 51-5/8	53	-53	2	3	2	3
17-5/8 X 59-5/8	50	-50	2	3	2	4
17-5/8 X 71-5/8	50	-50	2	4	2	4
17-5/8 X 77-5/8	50	-50	2	4	2	5
23-5/8 X 8-5/8	205	-205	2	2	3	2
23-5/8 X 23-5/8	109	-109	2	2	3	3
23-5/8 X 35-5/8	71	-71	2	2	2	3
23-5/8 X 47-5/8	50	-50	2	2	2	4
23-5/8 X 51-5/8	50	-50	2	2	2	4
23-5/8 X 59-5/8	50	-50	2	2	2	4
23-5/8 X 71-5/8	50	-50	2	4	2	5
23-5/8 X 77-5/8	50	-50	2	4	2	6
35-5/8 X 8-5/8	165	-165	3	2	5	2
35-5/8 X 23-5/8	71	-71	3	2	3	2
35-5/8 X 35-5/8	51	-51	3	3	3	3
35-5/8 X 47-5/8	50	-50	3	3	3	4
35-5/8 X 51-5/8	50	-50	3	3	3	5
35-5/8 X 59-5/8	50	-50	3	3	3	6
35-5/8 X 71-5/8	50	-50	3	4	4	8
35-5/8 X 77-5/8	50	-50	3	4	4	9
47-5/8 X 8-5/8	149	-149	3	2	6	2
47-5/8 X 23-5/8	50	-50	3	2	3	2
47-5/8 X 35-5/8	50	-50	3	3	4	3
47-5/8 X 47-5/8	50	-50	3	3	4	4
47-5/8 X 51-5/8	50	-50	3	3	4	5
47-5/8 X 59-5/8	50	-50	3	3	4	6
47-5/8 X 71-5/8	50	-50	3	4	4	8
47-5/8 X 77-5/8	50	-50	3	4	4	9
59-5/8 X 8-5/8	143	-143	3	2	7	2
59-5/8 X 23-5/8	50	-50	3	2	4	2
59-5/8 X 35-5/8	50	-50	3	3	6	3
59-5/8 X 47-5/8	50	-50	3	3	6	4
59-5/8 X 51-5/8	50	-50	3	3	7	5
59-5/8 X 59-5/8	50	-50	3	3	7	7
59-5/8 X 71-5/8	50	-50	3	4	7	9
59-5/8 X 77-5/8	50	-50	3	4	7	10



NOTES:

1) SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE SHIM STACK TO BE 1/4". APPLY WHERE SPACE OF 1/16" OR GREATER IS PRESENT.
2) WINDOW FRAME MATERIAL: POLYVINYL CHLORIDE.
3) INSTALLATION ANCHORS, #8 SCREWS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD FRAME.
4) INSTALLATION ANCHORS, 0.099 IN. DIA. NAILS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD FRAME.
5) USE LATEX CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FRAME.
6) USE LATEX CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VARY PER REQUIREMENTS OF ASTM E1300.
8) INSTALLATION AS STATED HEREIN COMPLIES WITH THE FLORIDA BUILDING CODE. DESIGN PRESSURE CAPACITY OF WINDOW & INSTALLATION IS 50.0 PSF.

RIOR

4/4 07/02

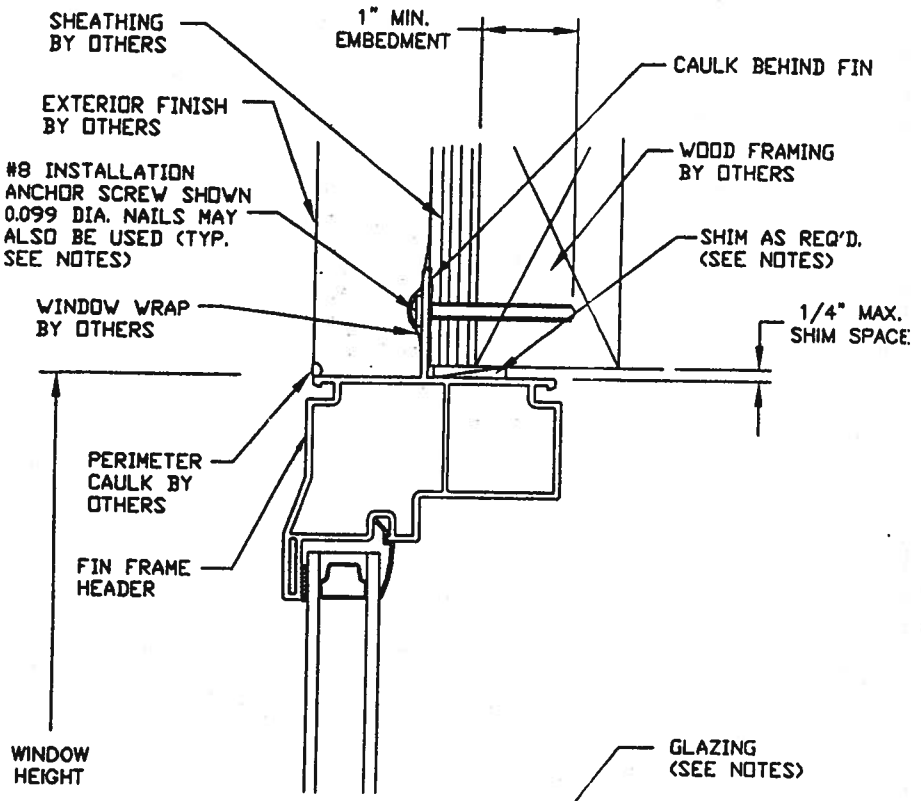
JORDAN RESIDENTIAL

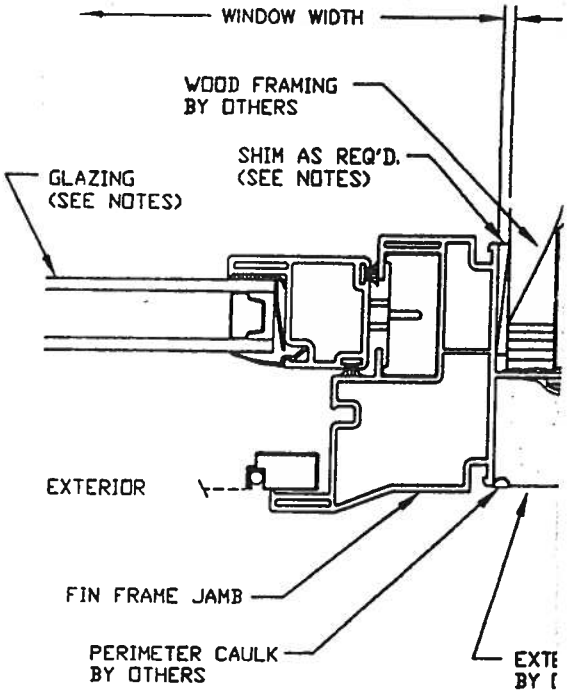
P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

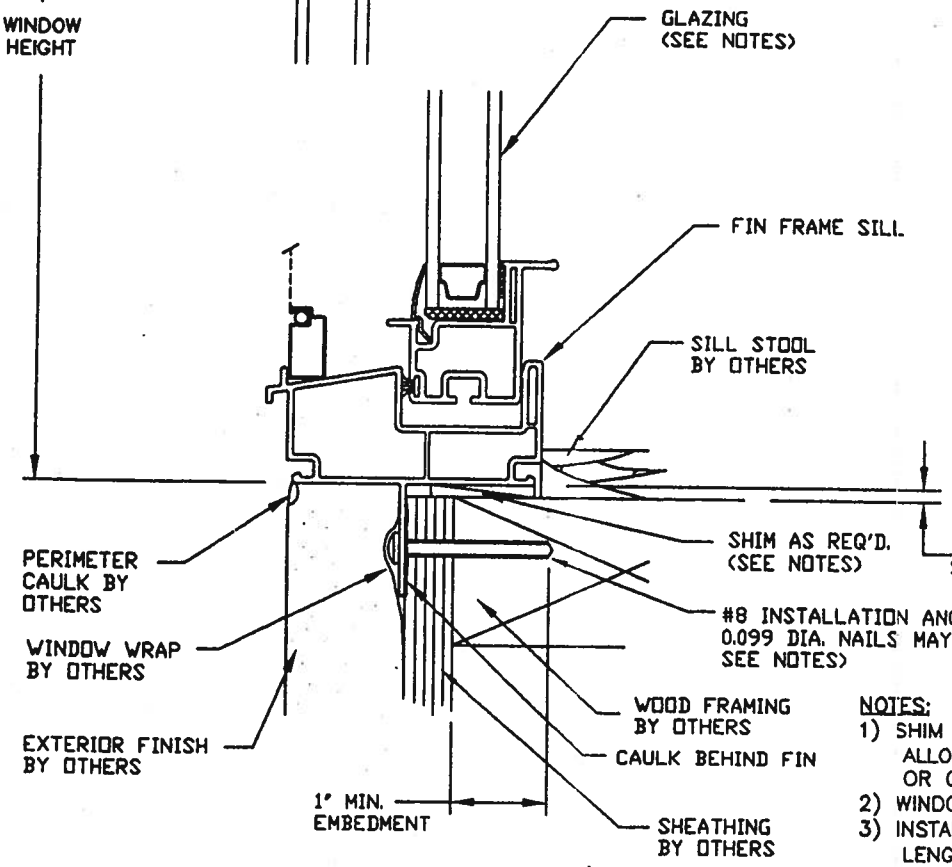
DESCRIPTION: SERIES 8900 PICTURE WINDOW INSTALLATION DETAIL

DATE: 6/26/02 | FILE NAME: JRDN0026 | DRAWN BY: BB

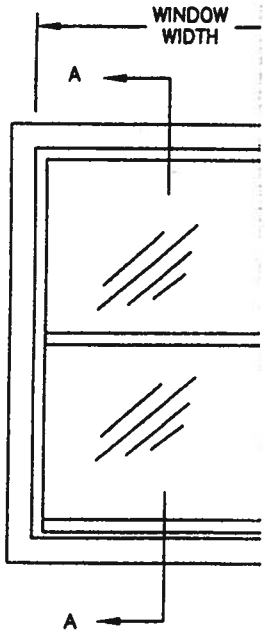
PREPARED BY: PRODUCT TECHNOLOGY CORP., 1150 LOUISIANA AVE., SUITE 6, WINTER PARK, FLORIDA 32789 PHONE 407 622-6334 FAX 407 622-6335







SECTION A-A



ELEVATIO

VIEWED FROM E

NOTES:

1) SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOA ALLOWABLE SHIM STACK TO BE 1/4". APPLY SHIM WHERE OR GREATER IS PRESENT.
2) WINDOW FRAME MATERIAL: POLYVINYL CHLORIDE
3) INSTALLATION ANCHORS, #8 SCREW & .099 DIA. NAILS MU LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD ANCHOR CHART FOR NUMBER OF ANCHORS REQD.
4) IF EXACT WINDOW SIZE IS NOT LISTED USE NEXT LARGER INSTALLATION CHART FOR NUMBER OF ANCHORS REQD.
5) USE CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF V
6) USE CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VARY PER REQUIREMENTS OF ASTM
8) INSTALLATION AS STATED HEREIN COMPLIES WITH THE FLOI DESIGN PRESSURES INDICATED ON THE COMPARATIVE ANAI

REV	DESCRIPTION	DATE
A	REVISED DP CAPACITIES & ANCHOR QNT'YS.	09-03-02

X.
ICE

#8 INSTALLATION ANCHOR SCREW SHOWN 0.099 DIA. NAILS MAY ALSO BE USED (TYP. SEE NOTES)

- CAULK BEHIND FIN

1' MIN. EMBEDMENT

SHEATHING BY OTHERS

WINDOW WRAP BY OTHERS

ISH

B

WINDOW HEIGHT

OR

3 SHIM. MAX. OF 1/16"

SUFFICIENT ISE INSTALLATION

THE

RAME.

DING CODE AT THE ANCHOR CHART.

COMPARATIVE ANALYSIS & ANCHOR CHART

WINDOW SIZE (INCHES)	DESIGN PRESSURE CAPACITY IN PSF		NO. OF #8 SCREWS REQ'D. IN FRAME		NO. OF 0.090 DIA. NAILS REQ'D. IN FRAME	
WIDTH/HEIGHT	EXTERIOR	INTERIOR	HEAD & SILL	@ EA. JAMB	HEAD & SILL	@ EA. JAMB
23-5/8 X 35-5/8	40	120	2	3	3	5
23-5/8 X 43-5/8	40	106	2	3	3	6
23-5/8 X 47-5/8	40	98	2	3	3	6
23-5/8 X 51-5/8	40	91	2	3	3	6
23-5/8 X 59-5/8	40	80	2	4	3	7
23-5/8 X 71-5/8	40	66	2	4	3	7
23-5/8 X 81	40	56	2	4	3	7
27-5/8 X 35-5/8	40	99	2	3	3	5
27-5/8 X 43-5/8	40	91	2	3	3	6
27-5/8 X 47-5/8	40	86	2	3	3	6
27-5/8 X 51-5/8	40	81	2	3	3	6
27-5/8 X 59-5/8	40	71	2	4	3	7
27-5/8 X 71-5/8	40	60	2	4	3	7
27-5/8 X 81	40	53	2	4	3	7
29-5/8 X 35-5/8	40	90	2	3	3	4
29-5/8 X 43-5/8	40	85	2	3	3	6
29-5/8 X 47-5/8	40	81	2	3	3	6
29-5/8 X 51-5/8	40	75	2	3	3	6
29-5/8 X 59-5/8	40	67	2	4	3	7
29-5/8 X 71-5/8	40	56	2	4	3	7
29-5/8 X 81	40	50	2	4	3	7
31-5/8 X 35-5/8	40	83	2	3	3	4
31-5/8 X 43-5/8	40	79	2	3	3	5
31-5/8 X 47-5/8	40	75	2	3	3	6
31-5/8 X 51-5/8	40	71	2	3	3	6
31-5/8 X 59-5/8	40	63	2	4	3	7
31-5/8 X 71-5/8	40	53	2	4	3	7
31-5/8 X 81	40	47	2	4	3	7
35-5/8 X 35-5/8	40	70	3	3	4	4
35-5/8 X 43-5/8	40	69	3	3	4	5
35-5/8 X 47-5/8	40	67	3	3	4	6
35-5/8 X 51-5/8	40	61	3	3	3	6
35-5/8 X 59-5/8	40	56	3	4	3	6
35-5/8 X 71-5/8	40	46	3	4	3	7
35-5/8 X 81	40	42	3	4	3	7
39-5/8 X 35-5/8	40	61	3	3	4	3
39-5/8 X 43-5/8	40	60	3	3	4	4
39-5/8 X 47-5/8	40	58	3	3	4	5
39-5/8 X 51-5/8	40	56	3	3	4	5
39-5/8 X 59-5/8	40	51	3	4	3	6
39-5/8 X 71-5/8	40	43	3	4	3	7
39-5/8 X 81	40	40	3	4	3	7
43-5/8 X 35-5/8	40	53	3	3	4	3
43-5/8 X 43-5/8	40	52	3	3	4	4
43-5/8 X 47-5/8	40	51	3	3	4	5
43-5/8 X 51-5/8	40	49	3	3	4	5
43-5/8 X 59-5/8	40	45	3	4	3	6
43-5/8 X 71-5/8	40	40	3	4	3	7
43-5/8 X 81	40	40	3	4	3	8
44 X 35-5/8	49	52	3	3	4	3
44 X 43-5/8	40	51	3	3	4	4
44 X 47-5/8	40	50	3	3	4	5
44 X 51-5/8	40	48	3	3	4	5
44 X 59-5/8	40	44	3	4	3	6
44 X 71-5/8	40	40	3	4	3	7
44 X 81	40	40	3	4	3	8

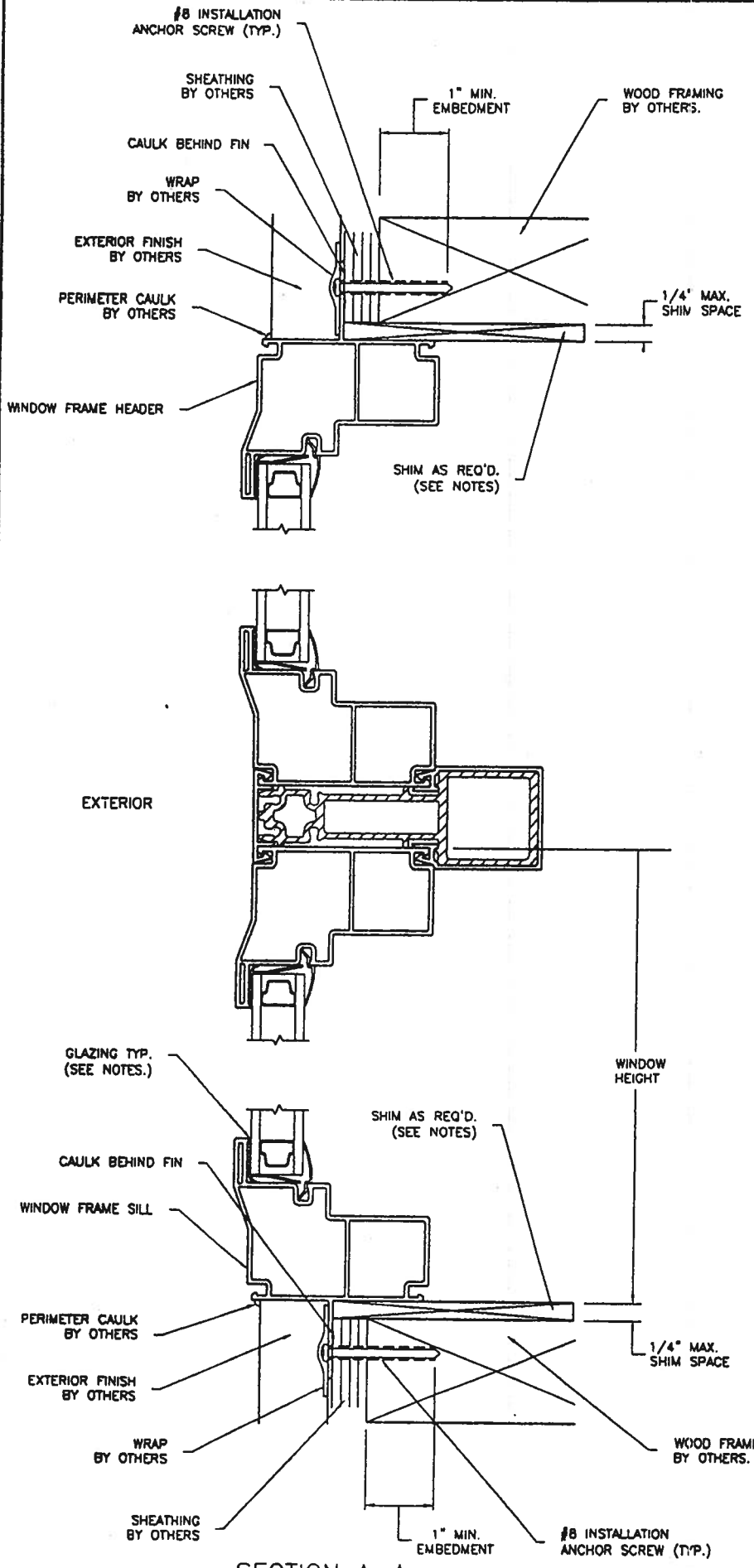
9/9/02

JORDAN

P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

DESCRIPTION: SERIES 8500 SINGLE HUNG INSTALLATION DETAIL

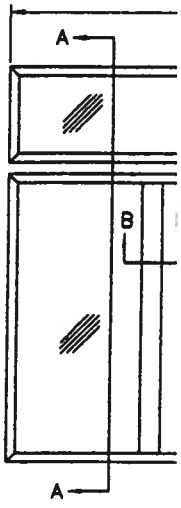
DATE: 6/21/02 | FILE NAME: JRDN0025 | DRAWN BY: BB



SECTION A-A

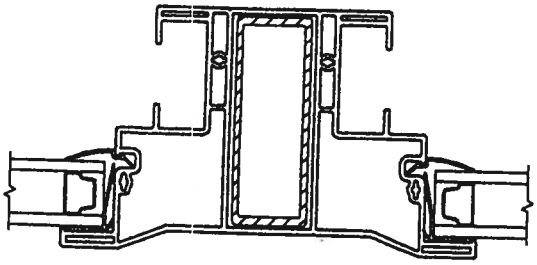
NOTES:
HORIZONTAL MULLION LOAD CAPACI

MULL SPAN> WDW. HGT.V	24.000	36.000
36.000	1656	491
48.000	1656	491
54.000	1656	491
60.000	1656	491
66.000	1656	491
72.000	1656	491
78.000	1656	491
84.000	1656	491
90.000	1656	491
96.000	1656	491

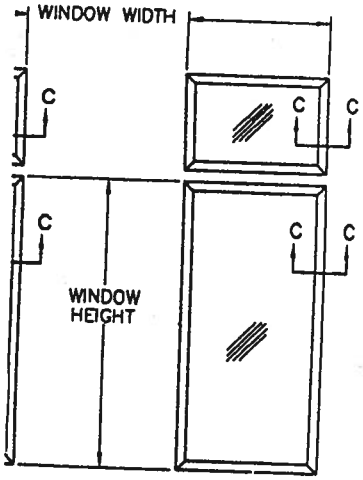


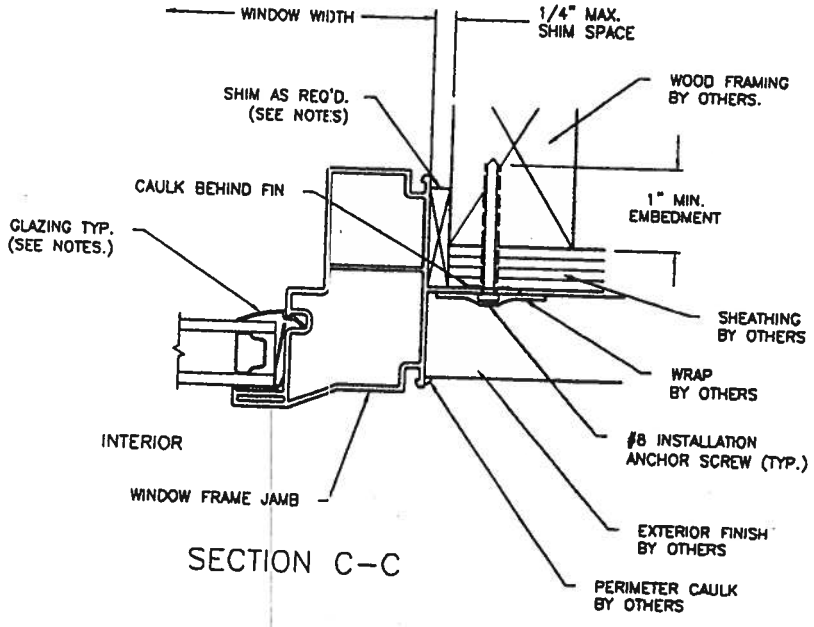
NOTES:
1) SHIM AS REQ'D AT EACH INSTALLATION AN BEARING SHIM. MAX. ALLOWABLE SHIM STACK WHERE SPACE OF 1/16" OR GREATER IS PR
2) WINDOW FRAME MATERIAL: POLYVINYL CHL
3) INSTALLATION ANCHORS, #8 SCREWS OF S ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD INSTALLATION ANCHORS AT 6" MAX. FROM CC
4) MULLION ANCHOR CLIPS ARE SECURED TC #8 X 3/4" SCREWS. CLIP IS SECURED TO C INSTALLATION ANCHORS THAT SECURE FIN..
5) USE LATEX CAULK FOR PERIMETER SEAL WINDOW FRAME.
6) USE LATEX CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VERY PER REQUIR
8) JORDAN WINDOW SERIES 8900 CONTINOUS WINDOW STACKED OVER SERIES 8900 PICTUR
9) INSTALLATION AS STATED HEREIN COMPLIES BUILDING CODE. DESIGN PRESSURE CAPACITY IS 50.0 PSF.

60.000	72.000	84.000	96.000	108.000
117	72	44	27	18
108	65	40	25	16
107	64	39	24	15
106	62	38	23	15
106	62	37	22	14
106	61	36	22	14
106	61	36	21	14
106	61	36	21	14
106	61	36	21	13
106	61	36	21	13



SECTION B–B





SECTION C–C

/ATION
OM EXTERIOR

H LOAD
/4". SHIM

LENGTH TO
SPACE.
ND MAX. 24" O.C.
USING FOUR
ION USING SAME

XTERIOR OF

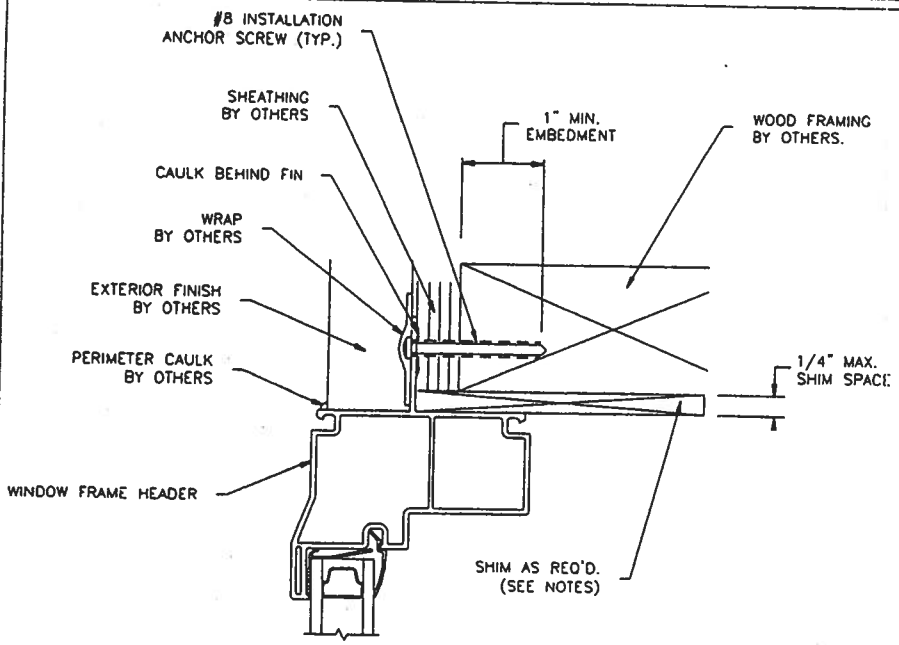
F ASTM E1300.
SILL AND PICTURE
S ARE SHOWN.
IE FLORIDA
OW & INSTALLATION

5/23/03

JORDAN

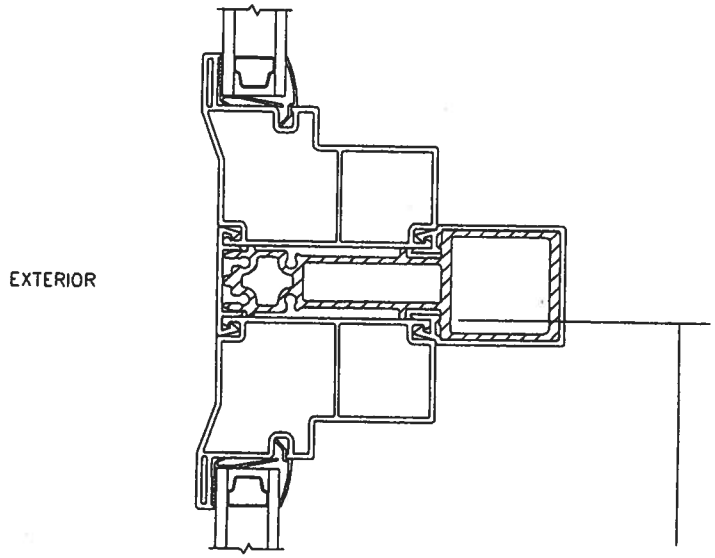
P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

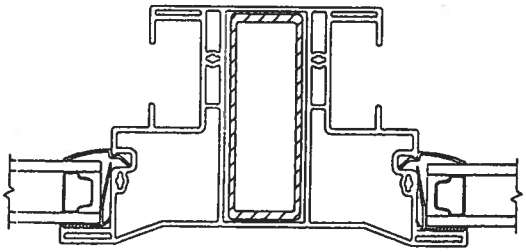
DESCRIPTION	8900 HORIZONTAL MULL INSTALLATION DETAIL
FILE NAME	8900 HORIZONTAL MULL INSTALLATION DETAIL
DATE	5-14-02
DRAWN BY	CLIFF SIMMONS



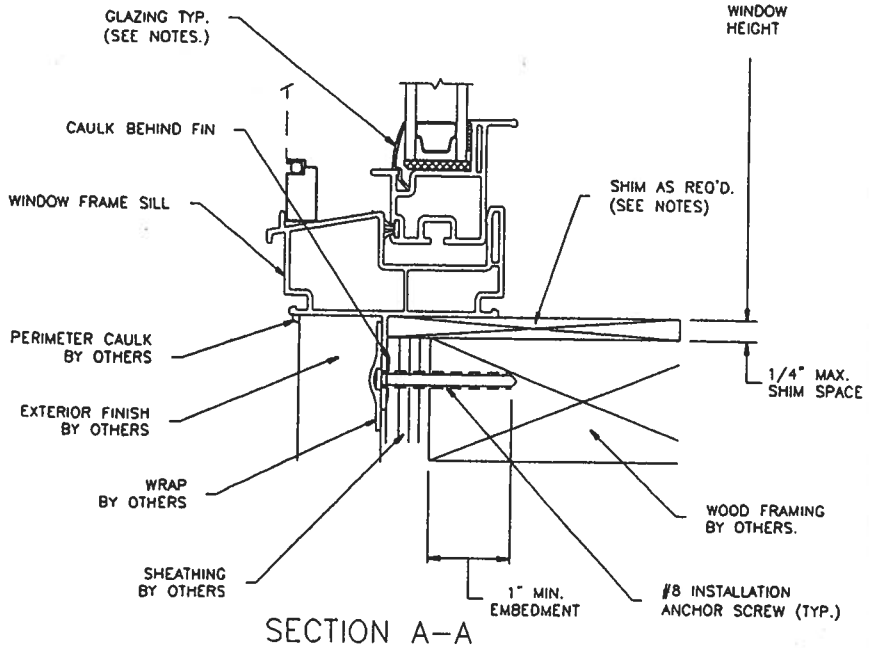
NOTES:
HORIZONTAL MULLION LOAD CAPACITI

MULL SPAN> WDW. HGT.V	24.000	36.000	
36.000	1656	491	
48.000	1656	491	
54.000	1656	491	
60.000	1656	491	
66.000	1656	491	
72.000	1656	491	
78.000	1656	491	
84.000	1656	491	
90.000	1656	491	
96.000	1656	491	





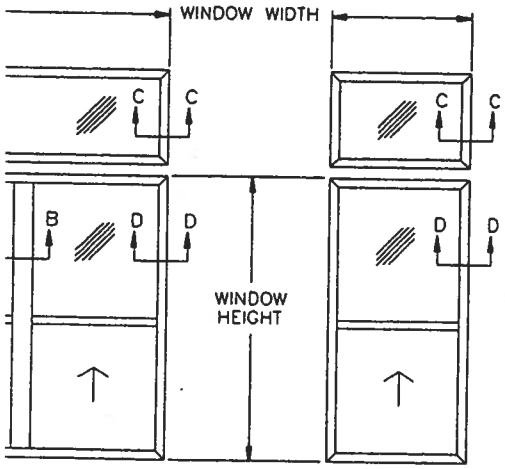
SECTION B-B



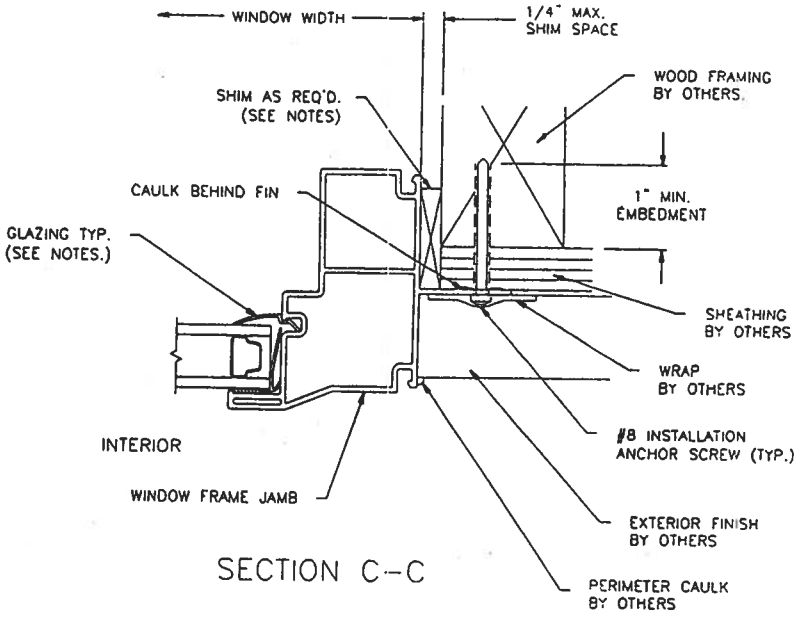
SECTION A-A

NOTES:
1) SHIM AS REQ'D AT EACH INSTALLATION ANCHOR BEARING SHIM. MAX. ALLOWABLE SHIM STACK TO I WHERE SPACE OF 1/16" OR GREATER IS PRESEN
2) WINDOW FRAME MATERIAL: POLYVINYL CHLORIDE
3) INSTALLATION ANCHORS, #8 SCREWS OF SUFFI ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD FRA INSTALLATION ANCHORS AT 6" MAX. FROM CORNER
4) USE LATEX CAULK FOR PERIMETER SEAL AROU WINDOW FRAME.
5) USE LATEX CAULK BEHIND WINDOW FIN.
6) GLASS THICKNESS MAY VERY PER REQUIREMEN
7) JORDAN WINDOW SERIES 8500 CONTINUOS HEA SINGLE HUNG STACKED OVER SERIES 8900 PICTUR
8) INSTALLATION AS STATED HEREIN COMPLIES WI BUILDING CODE. DESIGN PRESSURE CAPACITY OF IS 40.0 PSF.

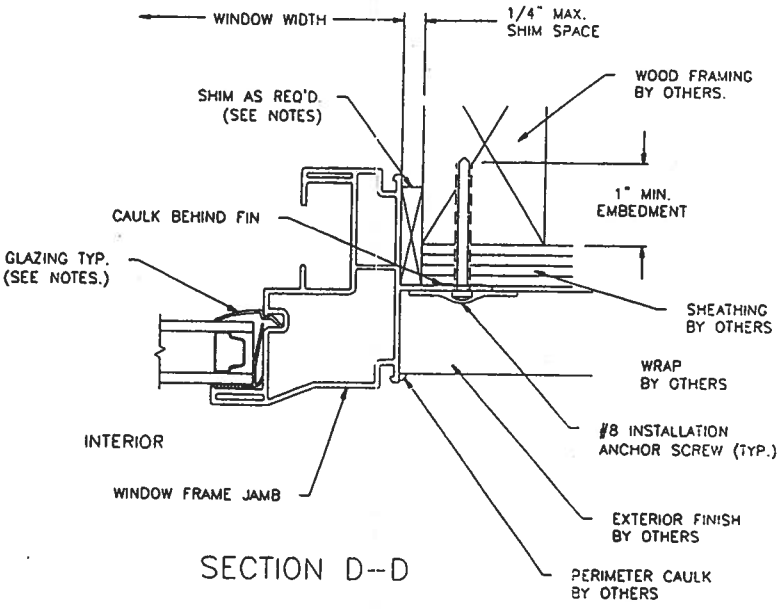
0.000	72.000	84.000	96.000	108.000
117	72	44	27	18
108	65	40	25	16
107	64	39	24	15
106	62	38	23	15
106	62	37	22	14
06	61	36	22	14
06	61	36	21	14
06	61	36	21	14
06	61	36	21	13
06	61	36	21	13



ELEVATION
VIEWED FROM EXTERIOR



SECTION C--C



SECTION D--D

AD
SHIM

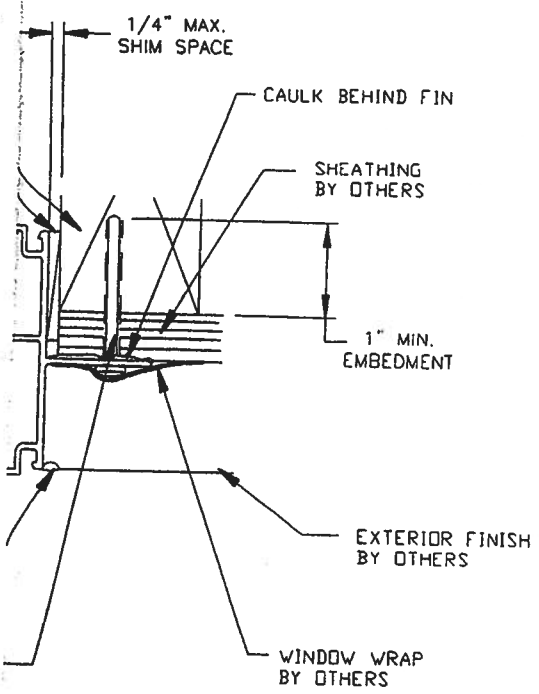
GTH TO

X. 24" O.C.
OR OF

M E1300.
AND
S ARE SHOWN.
ORIDA
INSTALLATION

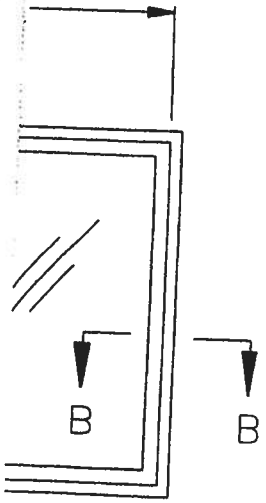
JORDAN
P.O BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

DESCRIPTION	8500 HORIZONTAL MULL INSTALLATION DETAIL
FILE NAME	8500 HORIZONTAL MULL INSTALLATION DETAIL
DATE	5-14-02
DRAWN BY	CLIFF SIMMONS



TION B-B

COMPARATIVE ANALYSIS & ANCHOR CHART						
WINDOW SIZE (INCHES)	DESIGN PRESSURE CAPACITY IN PSF		NO. OF #8 SCREWS REQ'D. IN FRAME		NO. OF 0.090 DIA. NAILS REQ'D. IN FRAME	
WIDTH/HEIGHT	EXTERIOR	INTERIOR	HEAD & SILL	@ EA. JAMB	HEAD & SILL	@ EA. JAMB
11-5/8 X 8-5/8	315	-315	2	2	2	2
11-5/8 X 23-5/8	205	-205	2	2	2	3
11-5/8 X 35-5/8	165	-165	2	3	2	5
11-5/8 X 47-5/8	150	-150	2	3	2	6
11-5/8 X 51-5/8	147	-147	2	3	2	6
11-5/8 X 59-5/8	143	-143	2	3	2	7
11-5/8 X 71-5/8	138	-138	2	4	2	8
11-5/8 X 77-5/8	136	-136	2	4	2	8
17-5/8 X 8-5/8	235	-235	2	2	3	2
17-5/8 X 23-5/8	132	-132	2	2	2	3
17-5/8 X 35-5/8	74	-74	2	3	2	3
17-5/8 X 47-5/8	55	-55	2	3	2	3
17-5/8 X 51-5/8	53	-53	2	3	2	3
17-5/8 X 59-5/8	50	-50	2	3	2	4
17-5/8 X 71-5/8	50	-50	2	4	2	4
17-5/8 X 77-5/8	50	-50	2	4	2	5
23-5/8 X 8-5/8	205	-205	2	2	3	2
23-5/8 X 23-5/8	109	-109	2	2	3	3
23-5/8 X 35-5/8	71	-71	2	2	2	3
23-5/8 X 47-5/8	50	-50	2	2	2	4
23-5/8 X 51-5/8	50	-50	2	2	2	4
23-5/8 X 59-5/8	50	-50	2	2	2	4
23-5/8 X 71-5/8	50	-50	2	4	2	5
23-5/8 X 77-5/8	50	-50	2	4	2	6
35-5/8 X 8-5/8	165	-165	3	2	5	2
35-5/8 X 23-5/8	71	-71	3	2	3	2
35-5/8 X 35-5/8	51	-51	3	3	3	3
35-5/8 X 47-5/8	50	-50	3	3	3	4
35-5/8 X 51-5/8	50	-50	3	3	3	5
35-5/8 X 59-5/8	50	-50	3	3	3	6
35-5/8 X 71-5/8	50	-50	3	4	4	8
35-5/8 X 77-5/8	50	-50	3	4	4	9
47-5/8 X 8-5/8	149	-149	3	2	6	2
47-5/8 X 23-5/8	50	-50	3	2	3	2
47-5/8 X 35-5/8	50	-50	3	3	4	3
47-5/8 X 47-5/8	50	-50	3	3	4	4
47-5/8 X 51-5/8	50	-50	3	3	4	5
47-5/8 X 59-5/8	50	-50	3	3	4	6
47-5/8 X 71-5/8	50	-50	3	4	4	8
47-5/8 X 77-5/8	50	-50	3	4	4	9
59-5/8 X 8-5/8	143	-143	3	2	7	2
59-5/8 X 23-5/8	50	-50	3	2	4	2
59-5/8 X 35-5/8	50	-50	3	3	6	3
59-5/8 X 47-5/8	50	-50	3	3	6	4
59-5/8 X 51-5/8	50	-50	3	3	7	5
59-5/8 X 59-5/8	50	-50	3	3	7	7
59-5/8 X 71-5/8	50	-50	3	4	7	9
59-5/8 X 77-5/8	50	-50	3	4	7	10



NOTES:

1) SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE SHIM STACK TO BE 1/4". APPLY WHERE SPACE OF 1/16" OR GREATER IS PRESENT.
2) WINDOW FRAME MATERIAL: POLYVINYL CHLORIDE.
3) INSTALLATION ANCHORS, #8 SCREWS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD FRAME.
4) INSTALLATION ANCHORS, 0.099 IN. DIA. NAILS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD FRAME.
5) USE LATEX CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FRAME.
6) USE LATEX CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VARY PER REQUIREMENTS OF ASTM E1300.
8) INSTALLATION AS STATED HEREIN COMPLIES WITH THE FLORIDA BUILDING CODE. DESIGN PRESSURE CAPACITY OF WINDOW & INSTALLATION IS 50.0 PSF.

RIOR

7/1/02

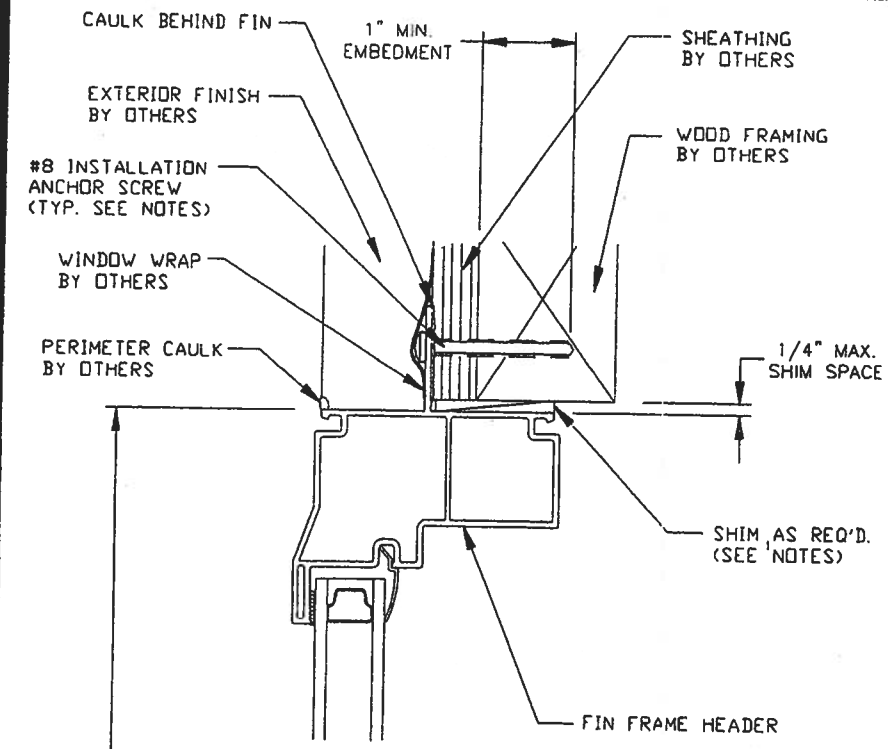
JORDAN RESIDENTIAL

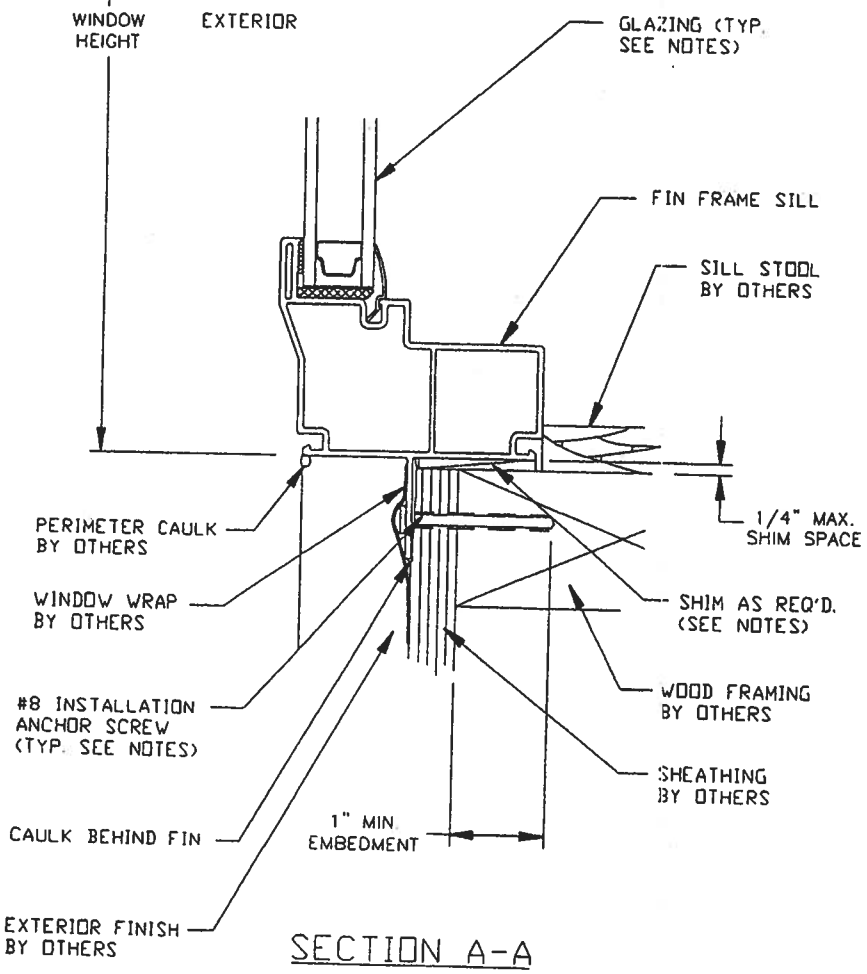
P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

DESCRIPTION: SERIES 8900 PICTURE WINDOW INSTALLATION DETAIL

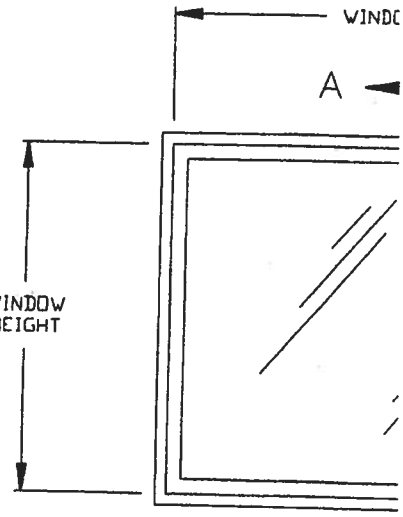
DATE: 6/26/02 | FILE NAME: JRDN0026 | DRAWN BY: BB

PREPARED BY: PRODUCT TECHNOLOGY CORP., 1150 LOUISIANA AVE., SUITE 6, WINTER PARK, FLORIDA 32789 PHONE 407 622-6334 FAX 407 622-6335

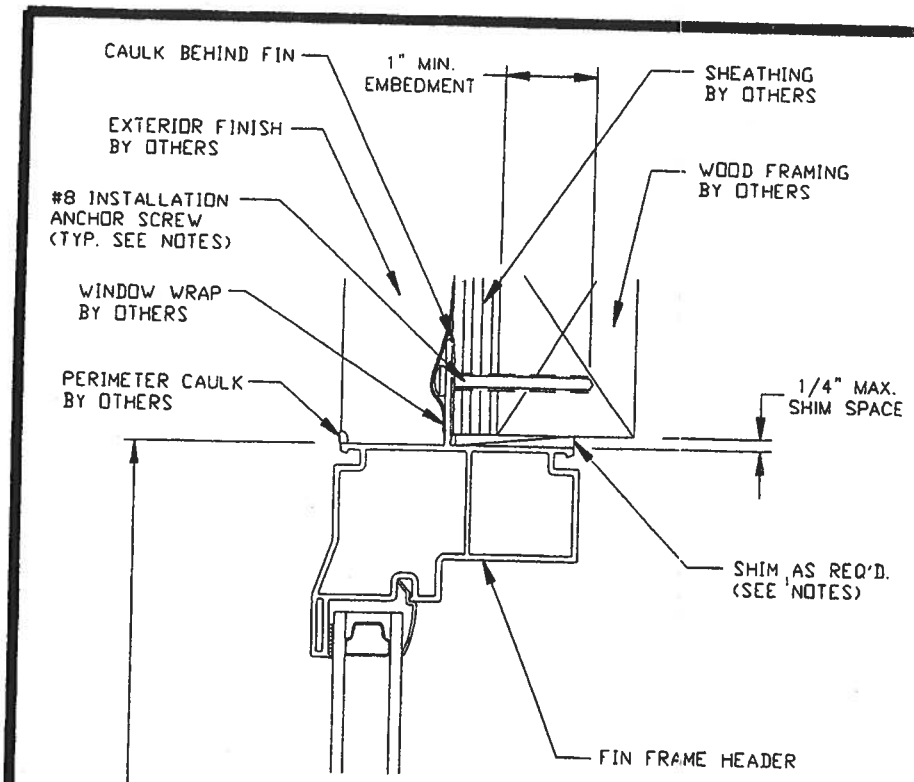


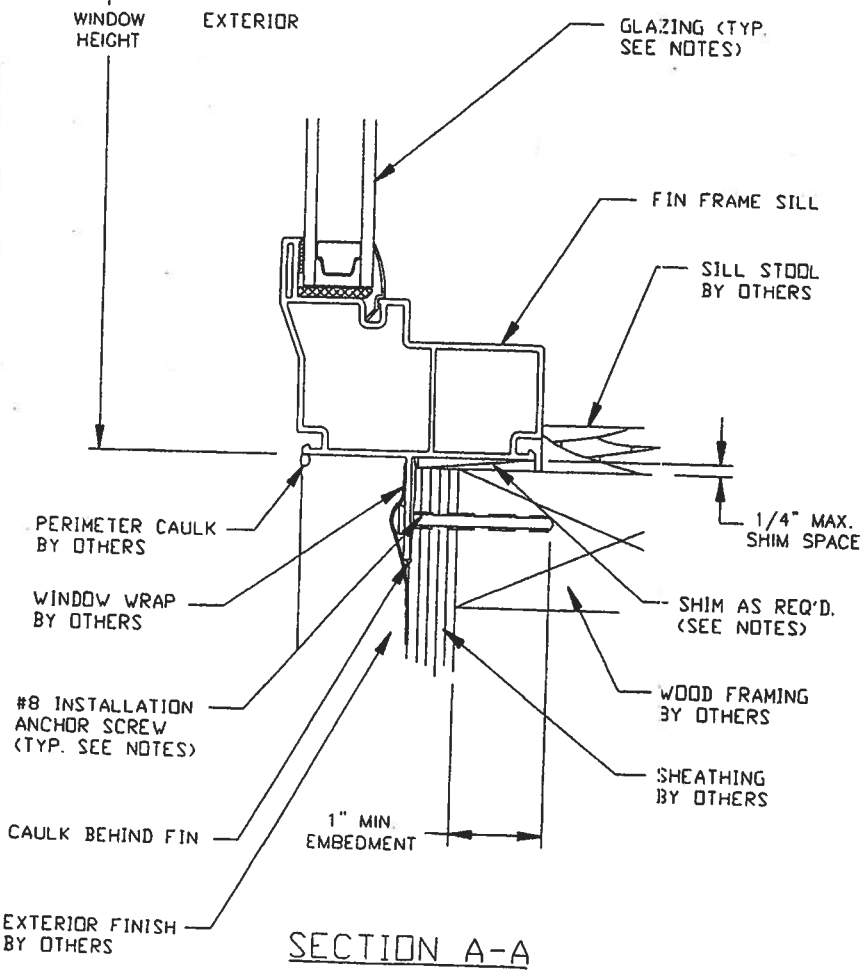


SECTION A-A



ELEVA
VIEWED FRO

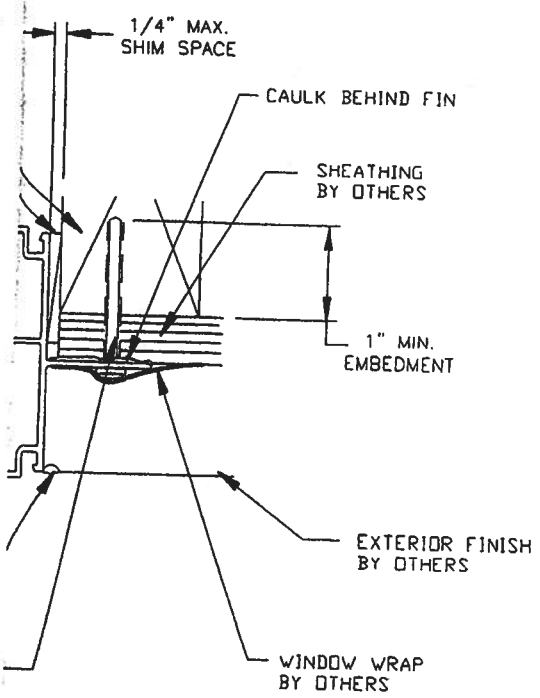




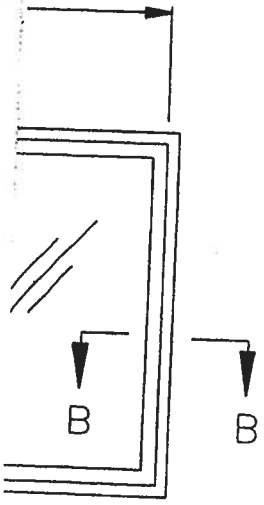
SECTION A-A

ELEVA

VIEWED FRO



TION B-B



RIOR

COMPARATIVE ANALYSIS & ANCHOR CHART						
WINDOW SIZE (INCHES)	DESIGN PRESSURE CAPACITY IN PSF		NO. OF #8 SCREWS REQ'D. IN FRAME		NO. OF 0.090 DIA. NAILS REQ'D. IN FRAME	
WIDTH/HEIGHT	EXTERIOR	INTERIOR	HEAD & SILL	@ EA. JAMB	HEAD & SILL	@ EA. JAMB
11-5/8 X 8-5/8	315	-315	2	2	2	2
11-5/8 X 23-5/8	205	-205	2	2	2	3
11-5/8 X 35-5/8	165	-165	2	3	2	5
11-5/8 X 47-5/8	150	-150	2	3	2	6
11-5/8 X 51-5/8	147	-147	2	3	2	6
11-5/8 X 59-5/8	143	-143	2	3	2	7
11-5/8 X 71-5/8	138	-138	2	4	2	8
11-5/8 X 77-5/8	136	-136	2	4	2	8
17-5/8 X 8-5/8	235	-235	2	2	3	2
17-5/8 X 23-5/8	132	-132	2	2	2	3
17-5/8 X 35-5/8	74	-74	2	3	2	3
17-5/8 X 47-5/8	55	-55	2	3	2	3
17-5/8 X 51-5/8	53	-53	2	3	2	3
17-5/8 X 59-5/8	50	-50	2	3	2	4
17-5/8 X 71-5/8	50	-50	2	4	2	4
17-5/8 X 77-5/8	50	-50	2	4	2	5
23-5/8 X 8-5/8	205	-205	2	2	3	2
23-5/8 X 23-5/8	109	-109	2	2	3	3
23-5/8 X 35-5/8	71	-71	2	2	2	3
23-5/8 X 47-5/8	50	-50	2	2	2	4
23-5/8 X 51-5/8	50	-50	2	2	2	4
23-5/8 X 59-5/8	50	-50	2	2	2	4
23-5/8 X 71-5/8	50	-50	2	4	2	5
23-5/8 X 77-5/8	50	-50	2	4	2	6
35-5/8 X 8-5/8	165	-165	3	2	5	2
35-5/8 X 23-5/8	71	-71	3	2	3	2
35-5/8 X 35-5/8	51	-51	3	3	3	3
35-5/8 X 47-5/8	50	-50	3	3	3	4
35-5/8 X 51-5/8	50	-50	3	3	3	5
35-5/8 X 59-5/8	50	-50	3	3	3	6
35-5/8 X 71-5/8	50	-50	3	4	4	8
35-5/8 X 77-5/8	50	-50	3	4	4	9
47-5/8 X 8-5/8	149	-149	3	2	6	2
47-5/8 X 23-5/8	50	-50	3	2	3	2
47-5/8 X 35-5/8	50	-50	3	3	4	3
47-5/8 X 47-5/8	50	-50	3	3	4	4
47-5/8 X 51-5/8	50	-50	3	3	4	5
47-5/8 X 59-5/8	50	-50	3	3	4	6
47-5/8 X 71-5/8	50	-50	3	4	4	8
47-5/8 X 77-5/8	50	-50	3	4	4	9
59-5/8 X 8-5/8	143	-143	3	2	7	2
59-5/8 X 23-5/8	50	-50	3	2	4	2
59-5/8 X 35-5/8	50	-50	3	3	6	3
59-5/8 X 47-5/8	50	-50	3	3	6	4
59-5/8 X 51-5/8	50	-50	3	3	7	5
59-5/8 X 59-5/8	50	-50	3	3	7	7
59-5/8 X 71-5/8	50	-50	3	4	7	9
59-5/8 X 77-5/8	50	-50	3	4	7	10

NOTES:

1) SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE SHIM STACK TO BE 1/4". APPLY WHERE SPACE OF 1/16" OR GREATER IS PRESENT.
2) WINDOW FRAME MATERIAL: POLYVINYL CHLORIDE.
3) INSTALLATION ANCHORS, #8 SCREWS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD FRAME.
4) INSTALLATION ANCHORS, 0.099 IN. DIA. NAILS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD FRAME.
5) USE LATEX CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FRAME.
6) USE LATEX CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VARY PER REQUIREMENTS OF ASTM E1300.
8) INSTALLATION AS STATED HEREIN COMPLIES WITH THE FLORIDA BUILDING CODE. DESIGN PRESSURE CAPACITY OF WINDOW & INSTALLATION IS 50.0 PSF

4/4
07/02

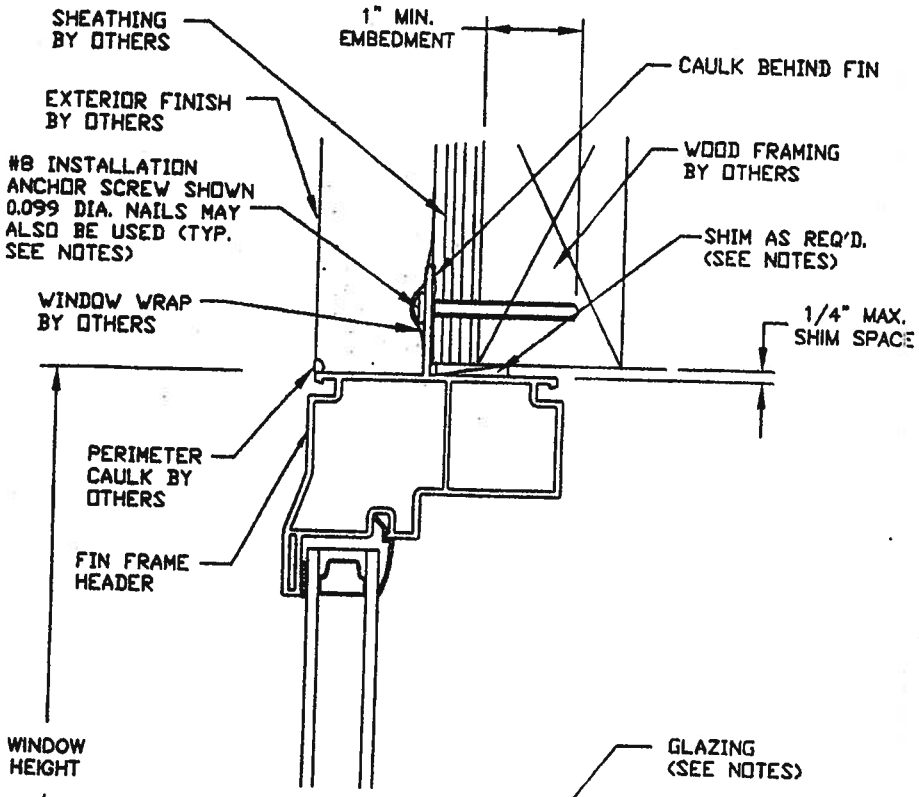
JORDAN RESIDENTIAL

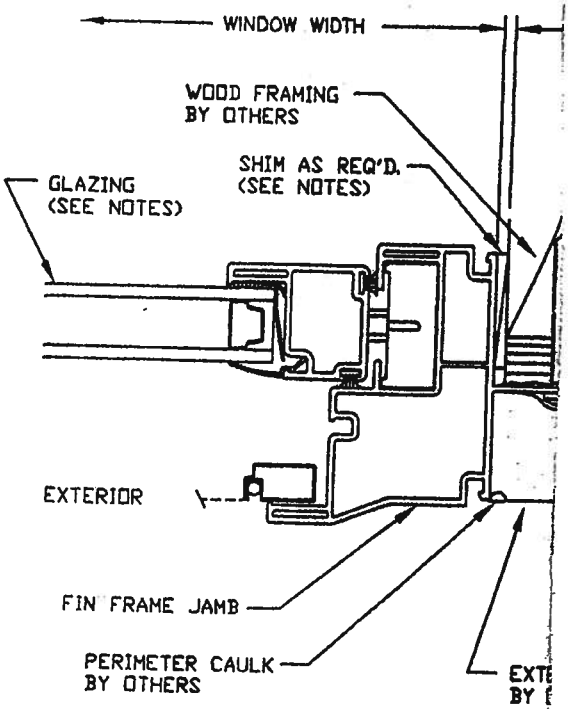
P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

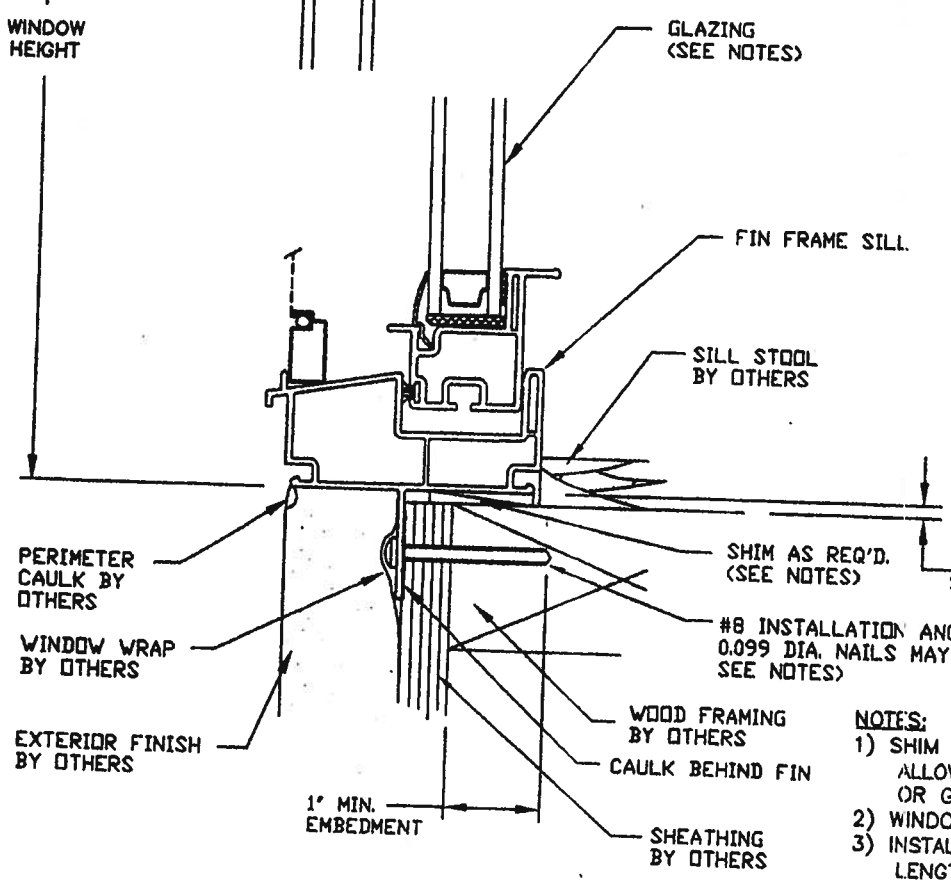
DESCRIPTION: SERIES 8900 PICTURE WINDOW INSTALLATION DETAIL

DATE: 6/26/02 | FILE NAME: JRDN0026 | DRAWN BY: BB

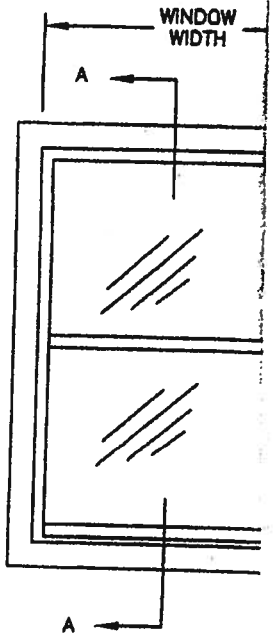
PREPARED BY: PRODUCT TECHNOLOGY CORP. 1150 LOUISIANA AVE., SUITE 6, WINTER PARK, FLORIDA 32789 PHONE 407 622-6334 FAX 407 622-6335







SECTION A-A



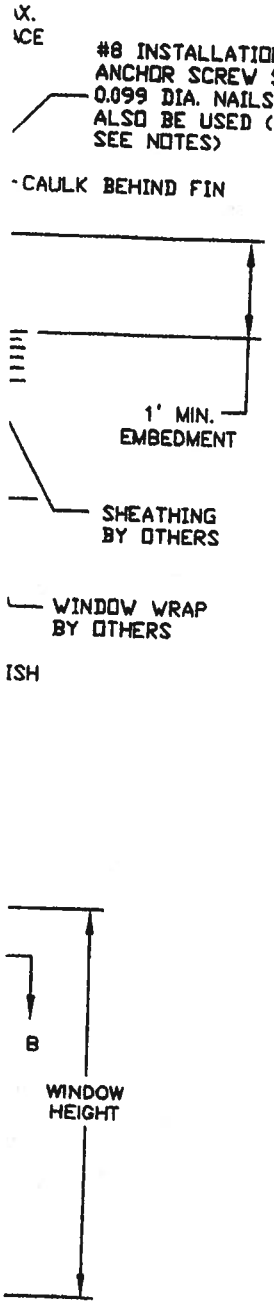
ELEVATIO

VIEWED FROM E

NOTES:

1) SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOA ALLOWABLE SHIM STACK TO BE 1/4". APPLY SHIM WHERE OR GREATER IS PRESENT.
2) WINDOW FRAME MATERIAL: POLYVINYL CHLORIDE
3) INSTALLATION ANCHORS, #8 SCREW & .099 DIA. NAILS MU LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD ANCHOR CHART FOR NUMBER OF ANCHORS REQD.
4) IF EXACT WINDOW SIZE IS NOT LISTED USE NEXT LARGER INSTALLATION CHART FOR NUMBER OF ANCHORS REQD.
5) USE CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF
6) USE CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VARY PER REQUIREMENTS OF ASTM
8) INSTALLATION AS STATED HEREIN COMPLIES WITH THE FLO DESIGN PRESSURES INDICATED ON THE COMPARATIVE ANA

	REVISED DP CAPACITIES & ANCHOR QNT'YS.	09-03-02
EV	DESCRIPTION	DATE



COMPARATIVE ANALYSIS & ANCHOR CHART						
WINDOW SIZE (INCHES)	DESIGN PRESSURE CAPACITY IN PSF		NO. OF #8 SCREWS REQ'D. IN FRAME		NO. OF 0.090 DIA. NAILS REQ'D. IN FRAME	
WIDTH/HEIGHT	EXTERIOR	INTERIOR	HEAD & SILL	@ EA. JAMB	HEAD & SILL	@ EA. JAMB
23-5/8 X 35-5/8	40	120	2	3	3	5
23-5/8 X 43-5/8	40	106	2	3	3	6
23-5/8 X 47-5/8	40	98	2	3	3	6
23-5/8 X 51-5/8	40	91	2	3	3	6
23-5/8 X 59-5/8	40	80	2	4	3	7
23-5/8 X 71-5/8	40	66	2	4	3	7
23-5/8 X 81	40	56	2	4	3	7
27-5/8 X 35-5/8	40	99	2	3	3	5
27-5/8 X 43-5/8	40	91	2	3	3	6
27-5/8 X 47-5/8	40	86	2	3	3	6
27-5/8 X 51-5/8	40	81	2	3	3	6
27-5/8 X 59-5/8	40	71	2	4	3	7
27-5/8 X 71-5/8	40	60	2	4	3	7
27-5/8 X 81	40	53	2	4	3	7
29-5/8 X 35-5/8	40	90	2	3	3	4
29-5/8 X 43-5/8	40	85	2	3	3	6
29-5/8 X 47-5/8	40	81	2	3	3	6
29-5/8 X 51-5/8	40	75	2	3	3	6
29-5/8 X 59-5/8	40	67	2	4	3	7
29-5/8 X 71-5/8	40	56	2	4	3	7
29-5/8 X 81	40	50	2	4	3	7
31-5/8 X 35-5/8	40	83	2	3	3	4
31-5/8 X 43-5/8	40	79	2	3	3	5
31-5/8 X 47-5/8	40	75	2	3	3	6
31-5/8 X 51-5/8	40	71	2	3	3	6
31-5/8 X 59-5/8	40	63	2	4	3	7
31-5/8 X 71-5/8	40	53	2	4	3	7
31-5/8 X 81	40	47	2	4	3	7
35-5/8 X 35-5/8	40	70	3	3	4	4
35-5/8 X 43-5/8	40	69	3	3	4	5
35-5/8 X 47-5/8	40	67	3	3	4	6
35-5/8 X 51-5/8	40	61	3	3	3	6
35-5/8 X 59-5/8	40	56	3	4	3	6
35-5/8 X 71-5/8	40	46	3	4	3	7
35-5/8 X 81	40	42	3	4	3	7
39-5/8 X 35-5/8	40	61	3	3	4	3
39-5/8 X 43-5/8	40	60	3	3	4	4
39-5/8 X 47-5/8	40	58	3	3	4	5
39-5/8 X 51-5/8	40	56	3	3	4	5
39-5/8 X 59-5/8	40	51	3	4	3	6
39-5/8 X 71-5/8	40	43	3	4	3	7
39-5/8 X 81	40	40	3	4	3	7
43-5/8 X 35-5/8	40	53	3	3	4	3
43-5/8 X 43-5/8	40	52	3	3	4	4
43-5/8 X 47-5/8	40	51	3	3	4	5
43-5/8 X 51-5/8	40	49	3	3	4	5
43-5/8 X 59-5/8	40	45	3	4	3	6
43-5/8 X 71-5/8	40	40	3	4	3	7
43-5/8 X 81	40	40	3	4	3	8
44 X 35-5/8	49	52	3	3	4	3
44 X 43-5/8	40	51	3	3	4	4
44 X 47-5/8	40	50	3	3	4	5
44 X 51-5/8	40	48	3	3	4	5
44 X 59-5/8	40	44	3	4	3	6
44 X 71-5/8	40	40	3	4	3	7
44 X 81	40	40	3	4	3	8

)R

SHIM. MAX.
1/16"

SUFFICIENT
E INSTALLATION

E

ME.

IG CODE AT THE
CHOR CHART.

9/9/02

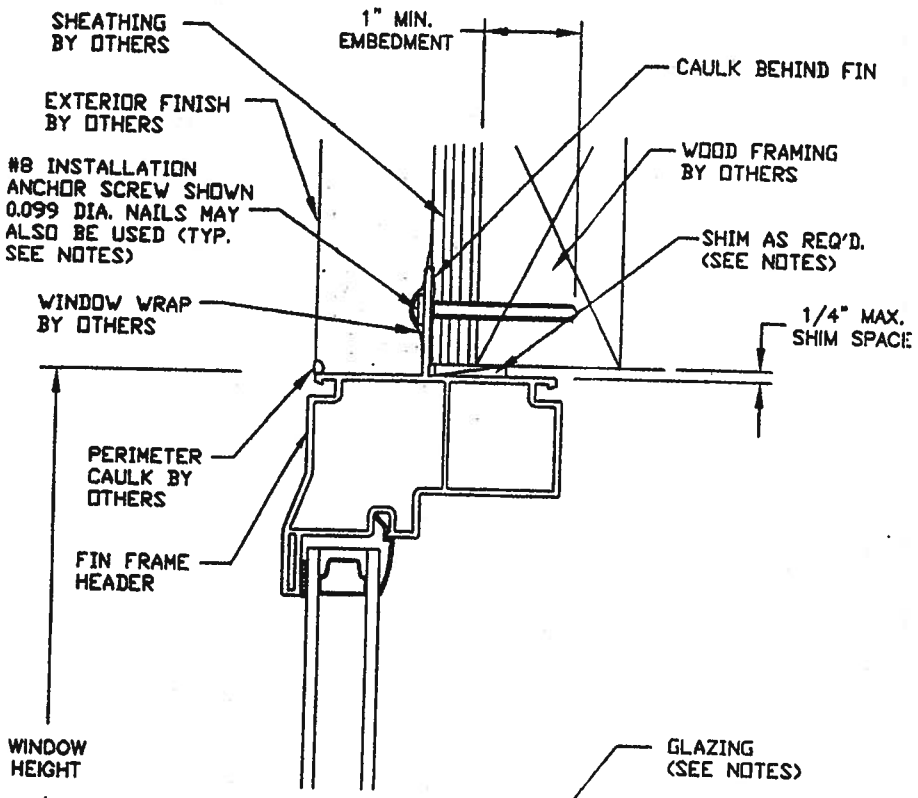
JORDAN

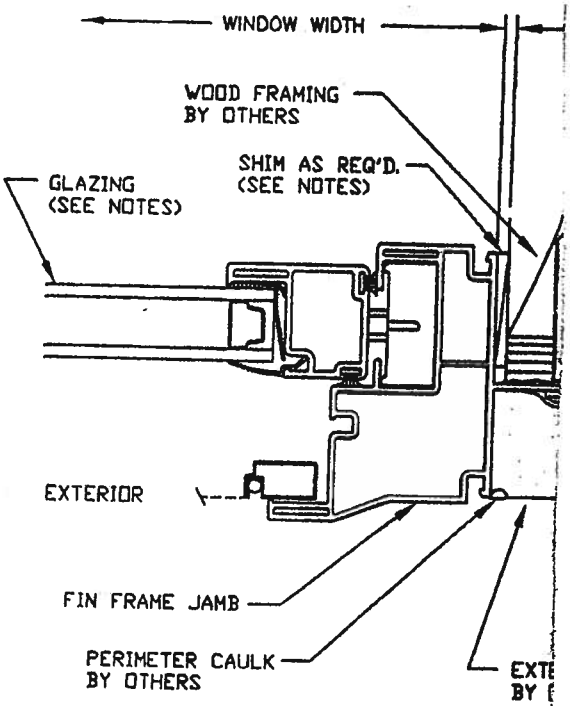
P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

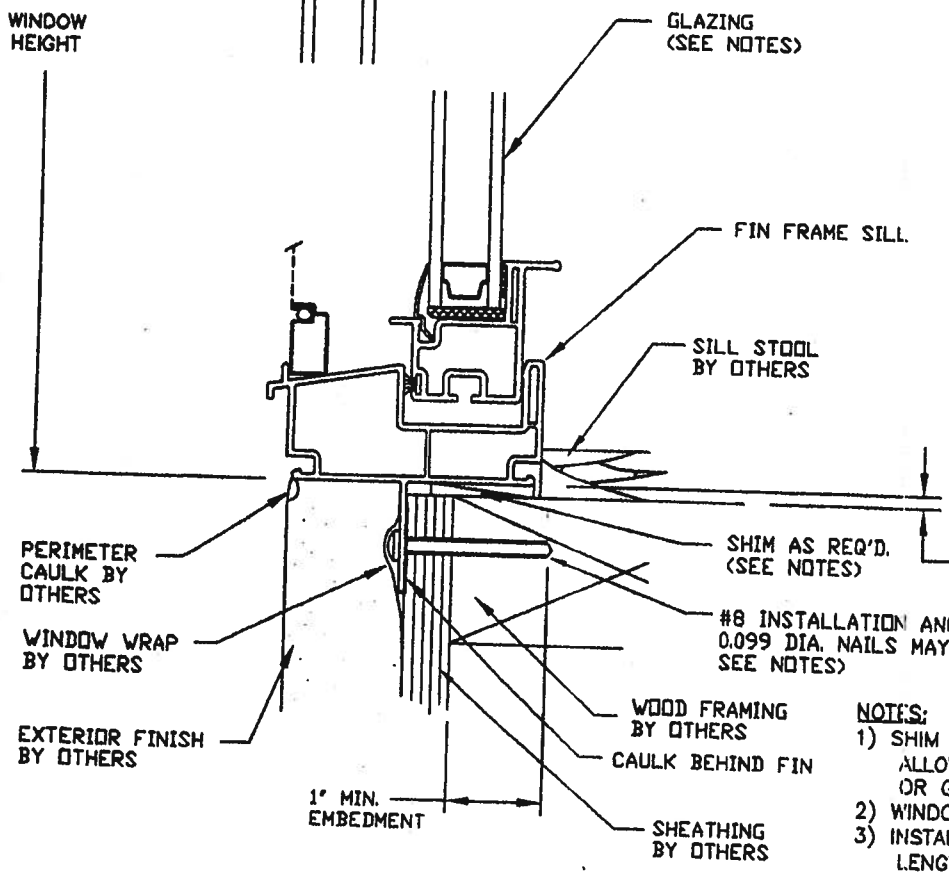
DESCRIPTION: SERIES 8500 SINGLE HUNG INSTALLATION DETAIL

DATE: 6/21/02 | FILE NAME: JRDN0025 | DRAWN BY: BB

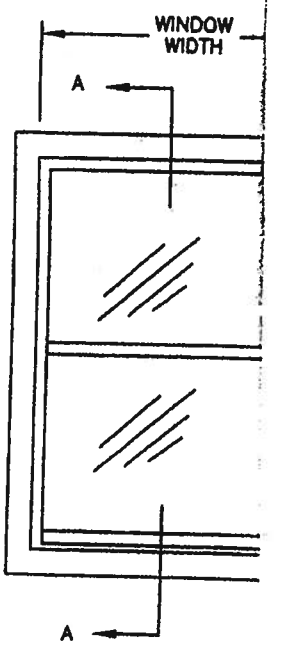
PREPARED BY: PRODUCT TECHNOLOGY CORP., 1150 LOUISIANA AVE., SUITE 6, WINTER PARK, FLORIDA 32789 PHONE 407 622-6334 FAX 407 622-6335







SECTION A-A



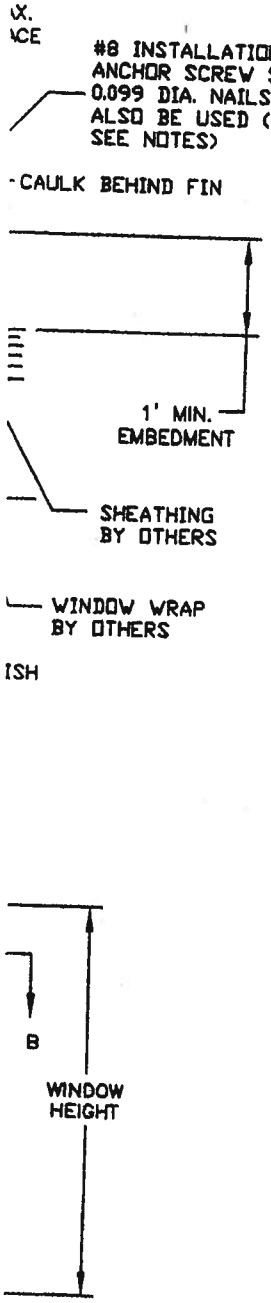
ELEVATIO

VIEWED FROM E

NOTES:

1) SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOA ALLOWABLE SHIM STACK TO BE 1/4". APPLY SHIM WHERE OR GREATER IS PRESENT.
2) WINDOW FRAME MATERIAL: POLYVINYL CHLORIDE
3) INSTALLATION ANCHORS, #8 SCREW & .099 DIA. NAILS MU LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD ANCHOR CHART FOR NUMBER OF ANCHORS REQD.
4) IF EXACT WINDOW SIZE IS NOT LISTED USE NEXT LARGER INSTALLATION CHART FOR NUMBER OF ANCHORS REQD.
5) USE CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF
6) USE CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VARY PER REQUIREMENTS OF ASTM
8) INSTALLATION AS STATED HEREIN COMPLIES WITH THE FLO DESIGN PRESSURES INDICATED ON THE COMPARATIVE ANA

	REVISED DP CAPACITIES & ANCHOR QNT'YS.	09-03-02
EV	DESCRIPTION	DATE



COMPARATIVE ANALYSIS & ANCHOR CHART						
WINDOW SIZE (INCHES)	DESIGN PRESSURE CAPACITY IN PSF		NO. OF #8 SCREWS REQ'D. IN FRAME		NO. OF 0.090 DIA. NAILS REQ'D. IN FRAME	
WIDTH/HEIGHT	EXTERIOR	INTERIOR	HEAD & SILL	@ EA. JAMB	HEAD & SILL	@ EA. JAMB
23-5/8 X 35-5/8	40	120	2	3	3	5
23-5/8 X 43-5/8	40	106	2	3	3	6
23-5/8 X 47-5/8	40	98	2	3	3	6
23-5/8 X 51-5/8	40	91	2	3	3	6
23-5/8 X 59-5/8	40	80	2	4	3	7
23-5/8 X 71-5/8	40	66	2	4	3	7
23-5/8 X 81	40	56	2	4	3	7
27-5/8 X 35-5/8	40	99	2	3	3	5
27-5/8 X 43-5/8	40	91	2	3	3	6
27-5/8 X 47-5/8	40	86	2	3	3	6
27-5/8 X 51-5/8	40	81	2	3	3	6
27-5/8 X 59-5/8	40	71	2	4	3	7
27-5/8 X 71-5/8	40	60	2	4	3	7
27-5/8 X 81	40	53	2	4	3	7
29-5/8 X 35-5/8	40	90	2	3	3	4
29-5/8 X 43-5/8	40	85	2	3	3	6
29-5/8 X 47-5/8	40	81	2	3	3	6
29-5/8 X 51-5/8	40	75	2	3	3	6
29-5/8 X 59-5/8	40	67	2	4	3	7
29-5/8 X 71-5/8	40	56	2	4	3	7
29-5/8 X 81	40	50	2	4	3	7
31-5/8 X 35-5/8	40	83	2	3	3	4
31-5/8 X 43-5/8	40	79	2	3	3	5
31-5/8 X 47-5/8	40	75	2	3	3	6
31-5/8 X 51-5/8	40	71	2	3	3	6
31-5/8 X 59-5/8	40	63	2	4	3	7
31-5/8 X 71-5/8	40	53	2	4	3	7
31-5/8 X 81	40	47	2	4	3	7
35-5/8 X 35-5/8	40	70	3	3	4	4
35-5/8 X 43-5/8	40	69	3	3	4	5
35-5/8 X 47-5/8	40	67	3	3	4	6
35-5/8 X 51-5/8	40	61	3	3	3	6
35-5/8 X 59-5/8	40	56	3	4	3	6
35-5/8 X 71-5/8	40	46	3	4	3	7
35-5/8 X 81	40	42	3	4	3	7
39-5/8 X 35-5/8	40	61	3	3	4	3
39-5/8 X 43-5/8	40	60	3	3	4	4
39-5/8 X 47-5/8	40	58	3	3	4	5
39-5/8 X 51-5/8	40	56	3	3	4	5
39-5/8 X 59-5/8	40	51	3	4	3	6
39-5/8 X 71-5/8	40	43	3	4	3	7
39-5/8 X 81	40	40	3	4	3	7
43-5/8 X 35-5/8	40	53	3	3	4	3
43-5/8 X 43-5/8	40	52	3	3	4	4
43-5/8 X 47-5/8	40	51	3	3	4	5
43-5/8 X 51-5/8	40	49	3	3	4	5
43-5/8 X 59-5/8	40	45	3	4	3	6
43-5/8 X 71-5/8	40	40	3	4	3	7
43-5/8 X 81	40	40	3	4	3	8
44 X 35-5/8	49	52	3	3	4	3
44 X 43-5/8	40	51	3	3	4	4
44 X 47-5/8	40	50	3	3	4	5
44 X 51-5/8	40	48	3	3	4	5
44 X 59-5/8	40	44	3	4	3	6
44 X 71-5/8	40	40	3	4	3	7
44 X 81	40	40	3	4	3	8

)R

SHIM. MAX.
1/16"

SUFFICIENT
E INSTALLATION

E

ME.

IG CODE AT THE
CHOR CHART.

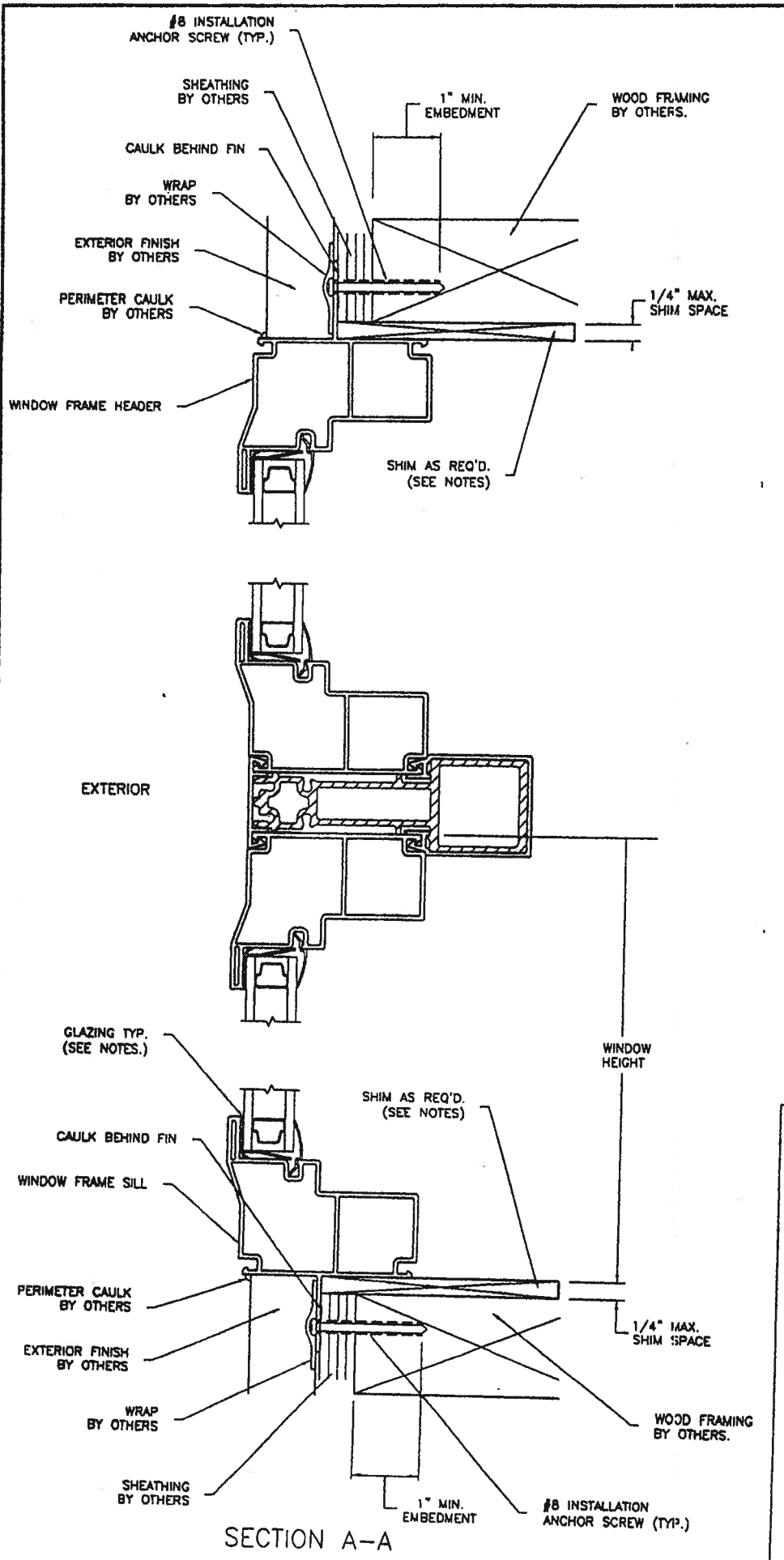
9/9/02

JORDAN

P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

DESCRIPTION: SERIES 8500 SINGLE HUNG INSTALLATION DETAIL

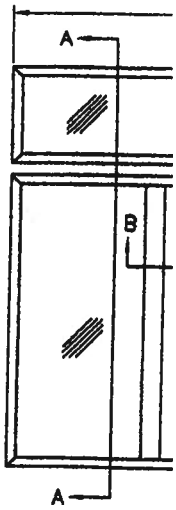
DATE: 6/21/02 | FILE NAME: JRDN0025 | DRAWN BY: BB



SECTION A–A

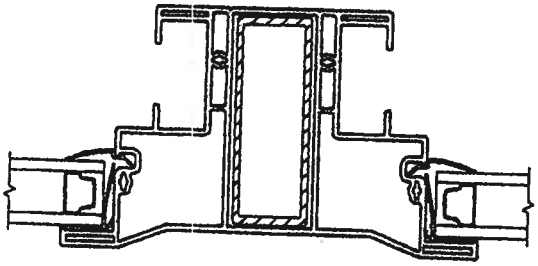
NOTES:
HORIZONTAL MULLION LOAD CAPAC

MULL SPAN> WDW. HGT.V	24.000	36.000
36.000	1656	491
48.000	1656	491
54.000	1656	491
60.000	1656	491
66.000	1656	491
72.000	1656	491
78.000	1656	491
84.000	1656	491
90.000	1656	491
96.000	1656	491

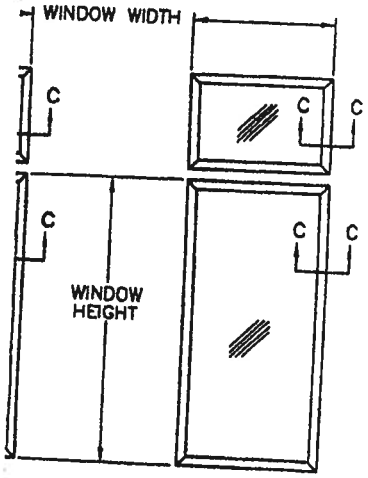


NOTES:
1) SHIM AS REQ'D AT EACH INSTALLATION AN
BEARING SHIM. MAX. ALLOWABLE SHIM STACK
WHERE SPACE OF 1/16" OR GREATER IS PR
2) WINDOW FRAME MATERIAL: POLYVINYL CHL
3) INSTALLATION ANCHORS, #8 SCREWS OF S
ACHIEVE MIN. EMBEDMENT OF 1" INTO WOOD
INSTALLATION ANCHORS AT 6" MAX. FROM CO
4) MULLION ANCHOR CLIPS ARE SECURED TO
#8 X 3/4" SCREWS. CLIP IS SECURED TO C
INSTALLATION ANCHORS THAT SECURE FIN..
5) USE LATEX CAULK FOR PERIMETER SEAL A
WINDOW FRAME.
6) USE LATEX CAULK BEHIND WINDOW FIN.
7) GLASS THICKNESS MAY VERY PER REQUIRE
8) JORDAN WINDOW SERIES 8900 CONTINOUS
WINDOW STACKED OVER SERIES 8900 PICTURE
9) INSTALLATION AS STATED HEREIN COMPLIES
BUILDING CODE. DESIGN PRESSURE CAPACITY
IS 50.0 PSF.

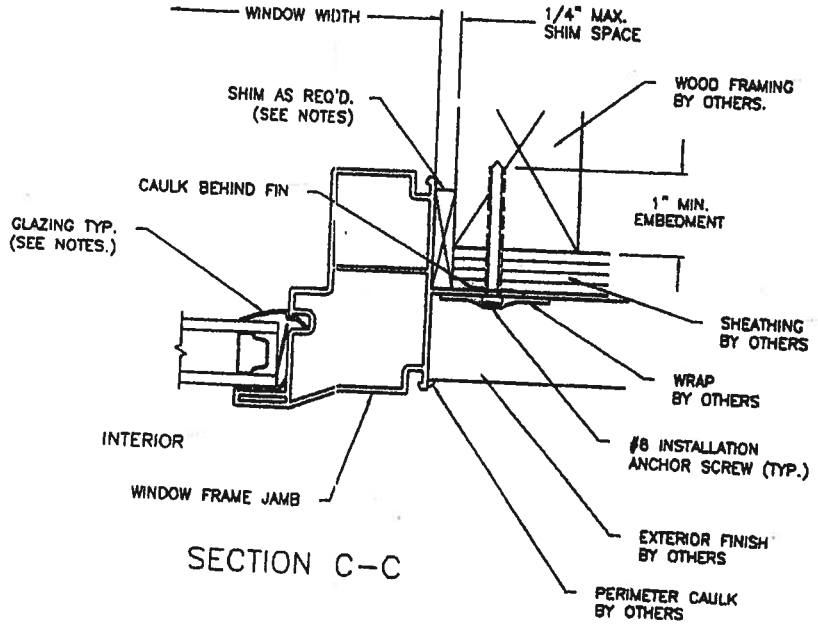
60.000	72.000	84.000	96.000	108.000
117	72	44	27	18
108	65	40	25	16
107	64	39	24	15
106	62	38	23	15
106	62	37	22	14
106	61	36	22	14
106	61	36	21	14
106	61	36	21	14
106	61	36	21	13
106	61	36	21	13



SECTION B-B



VATION
OM EXTERIOR



SECTION C-C

H LOAD
/4". SHIM

LENGTH TO
SPACE.
ND MAX. 24" O.C.
USING FOUR
ION USING SAME

XTERIOR OF

F ASTM E1300.
SILL AND PICTURE
S ARE SHOWN.
E FLORIDA
W & INSTALLATION

5/23/03

JORDAN

P.O. BOX 18377
MEMPHIS, TN. 38118
PHONE (901) 363-2121

DESCRIPTION	8900 HORIZONTAL MULL INSTALLATION DETAIL
FILE NAME	8900 HORIZONTAL MULL INSTALLATION DETAIL
DATE	5-14-02
DRAWN BY	CLIFF SIMMONS

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**WILKERSON LOT 21**	Builder:	**COMMERCIAL VAULT**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	24428
Owner:	**WILKERSON**	Jurisdiction Number:	220000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	2903 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 459.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 531.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 255.5(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Concrete, Int Insul, Exterior	R=50.0, 1965.0 ft²	
b.	Concrete, Int Insul, Adjacent	R=50.0, 225.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 2902.7 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 70.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 60.0 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	PTHP	Cap: 60.0 kBtu/hr COP: 3.40	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 80.0 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)	CF,	

Glass/Floor Area: 0.18

Total as-built points: 34986
Total base points: 41163

PASS

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

PREPARED BY: Larry Resmondo a/c

DATE: 3/1/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2903.0	20.04	10471.7	Double, Clear	W	1.5	7.0	42.0	38.52	0.94	1524.1	
				Double, Clear	S	1.5	2.0	4.0	35.87	0.57	81.1	
				Double, Clear	E	1.5	8.0	55.0	42.06	0.96	2211.1	
				Double, Clear	N	1.5	7.0	24.0	19.20	0.96	441.0	
				Double, Clear	NE	8.0	8.0	35.0	29.56	0.59	605.5	
				Single, Clear	S	10.0	9.0	72.0	40.81	0.50	1483.4	
				Double, Clear	W	7.5	7.0	12.0	38.52	0.51	237.4	
				Double, Clear	S	1.5	5.0	24.0	35.87	0.81	694.6	
				Double, Clear	N	1.5	3.0	12.0	19.20	0.83	191.5	
				Double, Clear	E	1.5	6.0	22.5	42.06	0.91	863.8	
				Double, Clear	W	1.5	7.0	32.5	38.52	0.94	1179.4	
				Double, Clear	E	1.5	7.0	54.0	42.06	0.94	2138.3	
				Double, Clear	E	1.5	7.0	12.0	42.06	0.94	475.2	
				Double, Clear	N	1.5	4.0	9.0	19.20	0.88	152.0	
				Double, Clear	W	1.5	5.0	12.5	38.52	0.88	421.6	
				Double, Clear	E	12.0	7.0	54.0	42.06	0.41	925.8	
				Double, Clear	NE	1.5	7.0	24.0	29.56	0.95	671.6	
				Double, Clear	N	1.5	6.0	22.5	19.20	0.94	405.5	
				Double, Clear	W	1.5	5.0	8.0	38.52	0.88	269.8	
				As-Built Total:				**531.0**			**14972.8**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	225.0	0.70	157.5	Concrete, Int Insul, Exterior	50.0	1965.0	0.10	196.5
Exterior	1965.0	1.70	3340.5	Concrete, Int Insul, Adjacent	50.0	225.0	0.10	22.5
Base Total:	**2190.0**		**3498.0**	**As-Built Total:**		**2190.0**		**219.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Wood	35.0	6.10	213.5
Exterior	56.0	6.10	341.6	Exterior Insulated	21.0	4.10	86.1
Base Total:	**56.0**		**341.6**	**As-Built Total:**	**56.0**		**299.6**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2902.7	1.73	5021.7	Under Attic	30.0	2902.7	1.73 X 1.00	5021.7
Base Total:	**2902.7**		**5021.7**	**As-Built Total:**		**2902.7**		**5021.7**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BSPM	=	Points	Type	R-Value	Area X	SPM	=	Points
Slab	255.5(p)	-37.0		-9453.5	Slab-On-Grade Edge Insulation	0.0	255.5(p	-41.20		-10526.6
Raised	0.0	0.00		0.0						
Base Total:				**-9453.5**	**As-Built Total:**		**255.5**			**-10526.6**
INFILTRATION	Area X	BSPM	=	Points			Area X	SPM	=	Points
	2903.0	10.21		29639.6			2903.0	10.21		29639.6
Summer Base Points: 39519.1					**Summer As-Built Points:**					**39626.1**
Total Summer Points	X System Multiplier	= Cooling Points			Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
					(sys 1: Central Unit 60000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)					
					39626	1.00	(1.09 x 1.147 x 1.11)	0.263	0.950	13715.5
39519.1	**0.4266**	**16858.9**			**39626.1**	**1.00**	**1.388**	**0.263**	**0.950**	**13715.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BWPM	= Points
.18	2903.0	12.74	6657.2

WALL TYPES

	Area	X BWPM	= Points
Adjacent	225.0	3.60	810.0
Exterior	1965.0	3.70	7270.5
Base Total:	**2190.0**		**8080.5**

DOOR TYPES

	Area	X BWPM	= Points
Adjacent	0.0	0.00	0.0
Exterior	56.0	12.30	688.8
Base Total:	**56.0**		**688.8**

CEILING TYPES

	Area	X BWPM	= Points
Under Attic	2902.7	2.05	5950.5
Base Total:	**2902.7**		**5950.5**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF =	Points
Double, Clear	W	1.5	7.0	42.0	20.73	1.02	884.1
Double, Clear	S	1.5	2.0	4.0	13.30	2.27	120.5
Double, Clear	E	1.5	8.0	55.0	18.79	1.02	1054.8
Double, Clear	N	1.5	7.0	24.0	24.58	1.00	590.7
Double, Clear	NE	8.0	8.0	35.0	23.57	1.04	861.3
Single, Clear	S	10.0	9.0	72.0	20.24	2.91	4241.8
Double, Clear	W	7.5	7.0	12.0	20.73	1.17	292.1
Double, Clear	S	1.5	5.0	24.0	13.30	1.20	382.1
Double, Clear	N	1.5	3.0	12.0	24.58	1.01	297.7
Double, Clear	E	1.5	6.0	22.5	18.79	1.04	437.8
Double, Clear	W	1.5	7.0	32.5	20.73	1.02	684.2
Double, Clear	E	1.5	7.0	54.0	18.79	1.03	1040.7
Double, Clear	E	1.5	7.0	12.0	18.79	1.03	231.3
Double, Clear	N	1.5	4.0	9.0	24.58	1.01	222.5
Double, Clear	W	1.5	5.0	12.5	20.73	1.03	268.1
Double, Clear	E	12.0	7.0	54.0	18.79	1.43	1446.5
Double, Clear	NE	1.5	7.0	24.0	23.57	1.00	567.6
Double, Clear	N	1.5	6.0	22.5	24.58	1.00	554.3
Double, Clear	W	1.5	5.0	8.0	20.73	1.03	171.6
As-Built Total:				**531.0**			**14349.7**

Type	R-Value	Area X	WPM	= Points
Concrete, Int Insul, Exterior	50.0	1965.0	1.30	2554.5
Concrete, Int Insul, Adjacent	50.0	225.0	1.20	270.0
As-Built Total:		**2190.0**		**2824.5**

Type	Area X	WPM	= Points
Exterior Wood	35.0	12.30	430.5
Exterior Insulated	21.0	8.40	176.4
As-Built Total:	**56.0**		**606.9**

Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	30.0	2902.7	2.05 X	1.00	5950.5
As-Built Total:		**2902.7**			**5950.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	255.5(p)	8.9	2273.9	Slab-On-Grade Edge Insulation	0.0	255.5(p	18.80		4803.4
Raised	0.0	0.00	0.0						
Base Total:			**2273.9**	**As-Built Total:**		**255.5**			**4803.4**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	2903.0	-0.59	-1712.8			2903.0	-0.59		-1712.8
Winter Base Points:			**21938.2**	**Winter As-Built Points:**					**26822.3**
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: PTHP 60000 btuh ,EFF(3.4) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
				26822.3	1.000	(1.069 x 1.169 x 1.10)	0.294	1.000	10844.3
21938.2	**0.6274**		**13764.0**	**26822.3**	**1.00**	**1.375**	**0.294**	**1.000**	**10844.3**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT						
WATER HEATING									
Number of Bedrooms	X Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4	2635.00	10540.0	80.0	0.93	4	1.00	2606.67	1.00	10426.7
			As-Built Total:						**10426.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
16859	**13764**	**10540**	**41163**	**13715**	**10844**	**10427**	**34986**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir 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* = 85.4

The higher the score, the more efficient the home.

WILKERSON, , , ,

1.	New construction or existing	New		12. Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 60.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	4		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	2903 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area		13. Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 459.0 ft²		a. PTHP	Cap: 60.0 kBtu/hr
b.	SHGC:				COP: 3.40
	(or Clear or Tint DEFAULT)	7b. (Clear) 531.0 ft²		b. N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 255.5(p) ft		c. N/A	
b.	N/A				
c.	N/A			14. Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 80.0 gallons
a.	Concrete, Int Insul, Exterior	R=50.0, 1965.0 ft²			EF: 0.93
b.	Concrete, Int Insul, Adjacent	R=50.0, 225.0 ft²		b. N/A	
c.	N/A				
d.	N/A			c. Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 2902.7 ft²		15. HVAC credits	CF,
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 70.0 ft		MZ-C-Multizone cooling,	
b.	N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

05-640

After Recording Return To:
COUNTRYWIDE HOME LOANS, INC.
MS SV-79 DOCUMENT PROCESSING
P.O.Box 10423
Van Nuys, CA 91410-0423

This document was prepared by:
FELICIA RUSSELL
Countrywide Bank, N.A.

6400 LEGACY DR
PLANO, TX 75024

[Space Above This Line For Recording Data]

126344719
[Loan #]

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: (legal description of property, and street address if available)
SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

Inst:2006003886 Date:02/16/2006 Time:13:36
DC,P.DeWitt Cason,Columbia County B:1074 P:995

Parcel ID Number:

2. General description of improvement: single family dwelling

3. Owner information:
   a. Name and address: ROBERT BRIAN WILKERSON and FRANCINE R. WILKERSON
   17790 127 Drive North, Jupiter, FL 33478
   b. Interest in property:
   c. Name and address of fee simple titleholder (if other than owner):

23991

1263447190000002D537

LOAN #: 126344719

4. Contractor:
   a. Name and address: COMMERCIAL VAULT ENTERPRISES, INC. d/b/a RUNYON CONSTRUCTION
   13907 120TH ST, LIVE OAK, FL 32060
   b. Phone number: (386)362-2548
   c. Fax number (optional, if service by fax is acceptable): (386)362-5671

5. Surety:
   a. Name and address: _____
   b. Amount of bond: $ _____
   c. Phone number: _____
   d. Fax number (optional, if service by fax is acceptable): _____

6. Lender:
   a. Name and address:
   Countrywide Bank, N.A.
   6400 Legacy Drive PTX-137 Plano, TX 75024
   b. Phone number: (800)729-4073
   c. Fax number (optional, if service by fax is acceptable): (800)219-6562

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided in section 713.13(1)(a)7., Florida Statutes:
   a. Name and address: _____
   b. Phone number: _____
   c. Fax number (optional, if service by fax is acceptable): _____

8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lender's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a. Name and address: _____
   b. Phone number: _____
   c. Fax number (optional, if service by fax is acceptable): _____

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's Address: _____
_____
_____

Inst:2006003886 Date:02/16/2006 Time:13:36
_____DC,P.DeWitt Cason,Columbia County B:1074 P:996

CONV
• CCL - FL NOTICE OF COMMENCEMENT
2D537-FL (10/99)

Initials: _____

LOAN #: 126344719

_____(Seal)
- Borrower

BRIAN WILKERSON
17790 127 DR N
JUPITER, FL 33478

_____(Seal)
- Borrower

FRANCINE R. WILKERSON
17790 127 DR N
JUPITER, FL 33478

_____(Seal)
- Borrower

_____(Seal)
- Borrower

STATE OF FLORIDA, COLUMBIA County ss:

The foregoing instrument was acknowledged before me this February 13, 2006 by

BRIAN WILKERSON and FRANCINE R. WILKERSON, Husband and Wife

who is personally known to me or who has produced
as identification.

Notary Public

TERRY MCDAVID
MY COMMISSION # DD 600788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

Inst:2006003886 Date:02/16/2006 Time:13:36
DC,P.DeWitt Cason,Columbia County B:1074 P:997

Prepared by: FELICIA RUSSELL

Countrywide Bank, N.A.

Branch #: 0000484
6400 LEGACY DR
PLANO, TX 75024
Phone: (800)556-6086
Br Fax No.: (888)898-1547

DATE: 02/13/2006
CASE #:
DOC ID #: 126344719
BORROWER: BRIAN WILKERSON
PROPERTY ADDRESS: 185 SW WOOD LEAF CT
LAKE CITY, FL 32024-0634

LEGAL DESCRIPTION EXHIBIT A

Lot 21, EMERALD COVE, Phase 1, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 35-36 of the public records of Columbia County, Florida.

Inst:2006003886 Date:02/16/2006 Time:13:36
DC,P.DeWitt Cason,Columbia County B:1074 P:998

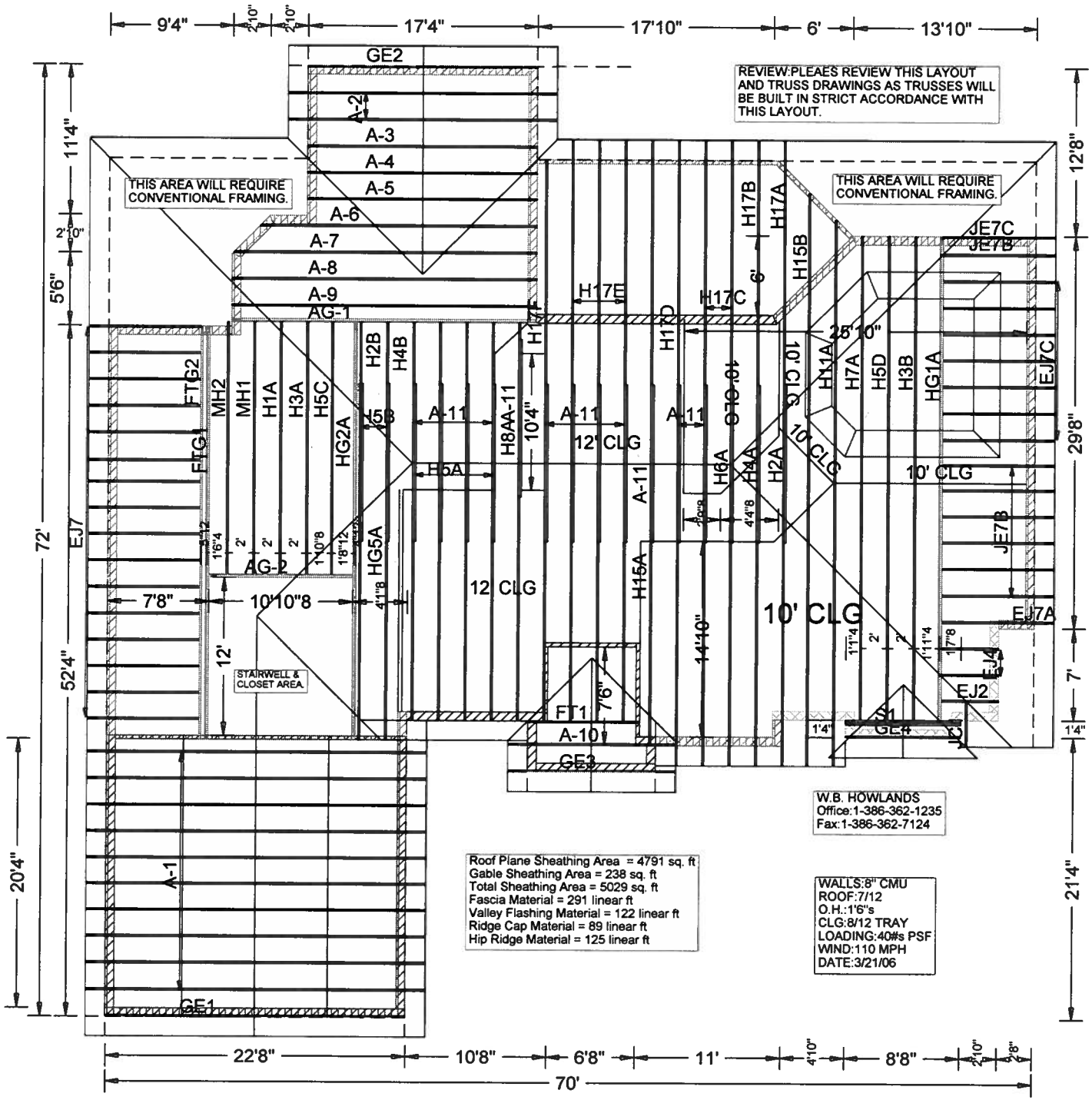
STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY that the above and foregoing
is a true copy of the original filed in this office
P. DeWITT CASON, CLERK OF COURTS
By Sharon Teague
Deputy Clerk
Date 2-16-06

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

FHA/VA/CONV
Legal Description Exhibit A
2C404-XX (04/03)(d)

23991

126344719000002D537



Job Name: ROGER RUNYON/EMRD Cv. LOT
Customer: ROGER RUNYON
Designer: Lynn Bell

JOB NO:
3286

PAGE NO:
1 OF 1

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SVP215-Z0222101207

Truss Fabricator:	W.B. Howland
Job Identification:	3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , **
Truss Count:	57
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

Seal Date: 03/22/2006

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

Notes:

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

Details: BRCLBSUB-A11015EE-GBLLETIN-A11015EN-

#	Ref	Description	Drawing#	Date
1	65939	--A-1	06080088	03/21/06
2	65940	--A-2	06080089	03/21/06
3	65941	--A-3	06080090	03/21/06
4	65942	--A-4	06080091	03/21/06
5	65943	--A-5	06080092	03/21/06
6	65944	--A-6	06080093	03/21/06
7	65945	--A-7	06080093	03/21/06
8	65946	--A-8	06080094	03/21/06
9	65947	--A-9	06081022	03/22/06
10	65948	--A-10	06080095	03/21/06
11	65949	--A-11	06080096	03/21/06
12	65950	--H8A	06080097	03/21/06
13	65951	--AG-1	06081045	03/22/06
14	65952	--AG-2	06081007	03/22/06
15	65953	--EJ2	06081046	03/22/06
16	65954	--EJ4	06080098	03/21/06
17	65955	--EJ7	06080099	03/21/06
18	65956	--EJ7A	06080100	03/21/06
19	65957	--JE7B	06080101	03/21/06
20	65958	--EJ7C	06080102	03/21/06
21	65959	--FT1	06080103	03/21/06
22	65960	--FTG1	06081047	03/22/06
23	65961	--FTG2	06081049	03/22/06
24	65962	--GE1	06080104	03/21/06
25	65963	--GE2	06080105	03/21/06
26	65964	--GE3	06080106	03/21/06
27	65965	--GE4	06080107	03/21/06
28	65966	--H1A	06080108	03/21/06
29	65967	--H2A	06080109	03/21/06
30	65968	--H3A	06080110	03/21/06
31	65969	--H4A	06080111	03/21/06
32	65970	--H5A	06081043	03/22/06
33	65971	--H6A	06080112	03/21/06
34	65972	--H7A	06080113	03/21/06
35	65973	--H11A	06081048	03/22/06
36	65974	--H15A	06080114	03/21/06

#	Ref	Description	Drawing#	Date
37	65975	--H17A	06080115	03/21/06
38	65976	--HG1A	06081050	03/22/06
39	65977	--HG2A	06081051	03/22/06
40	65978	--HG5A	06081044	03/22/06
41	65979	--H2B	06081052	03/22/06
42	65980	--H3B	06081053	03/22/06
43	65981	--H4B	06081054	03/22/06
44	65982	--H5B	06081055	03/22/06
45	65983	--H15B	06081068	03/22/06
46	65984	--H17B	06081056	03/22/06
47	65985	--H5C	06081005	03/22/06
48	65986	--H17C	06081057	03/22/06
49	65987	--H5D	06081058	03/22/06
50	65988	--H17D	06081059	03/22/06
51	65989	--H17E	06081060	03/22/06
52	65990	--H17F	06081061	03/22/06
53	65991	--JC1	06081062	03/22/06
54	65992	--MH1	06081004	03/22/06
55	65993	--MH2	06081006	03/22/06
56	65994	--JE7C	06081063	03/22/06
57	65995	--S1	06081064	03/22/06

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SVP215-Z0222101207

Truss Fabricator:	W.B. Howland
Job Identification:	3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , **
Truss Count:	7
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Seal Date: 03/22/2006

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

Revised Trusses

#	Ref Description	Drawing#	Date
1	65947--A-9	06081022	03/22/06
2	65956--EJ7A	06080100	03/21/06
3	65970--H5A	06081043	03/22/06
4	65973--H11A	06081048	03/22/06
5	65974--H15A	06080114	03/21/06
6	65983--H15B	06081068	03/22/06
7	65995--S1	06081064	03/22/06

Top chord 2x6 SP #2 N :T2, T3 2x6 SP SS:
Bot chord 2x6 SP #2 N :B2, B3 2x6 SP SS:
Webs 2x4 SP #2 N

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

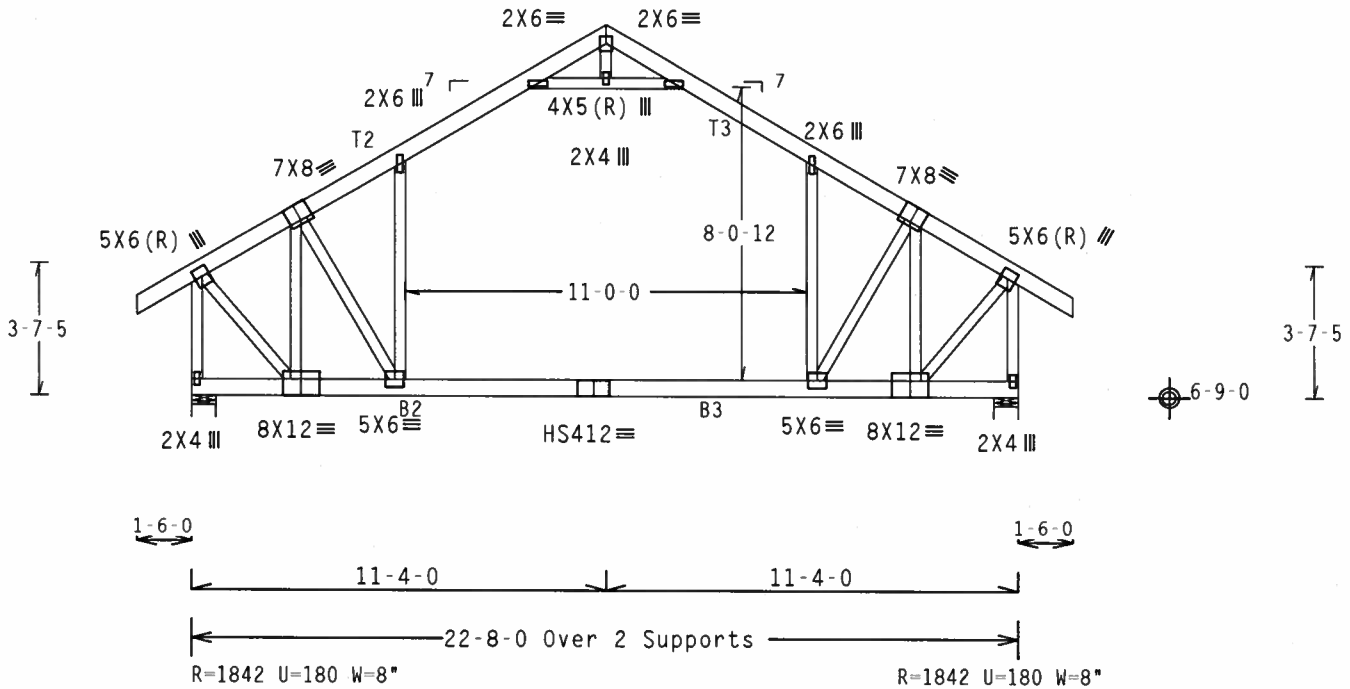
Deflection meets L/240 live and L/180 total load.

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

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.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 5-10-0 to 16-10-0.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave

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

QTY:10 FL/-/5/-/-/R/-

Scale =.1875"/Ft.

ALPINE

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

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

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

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

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65939
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080088
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 18917
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

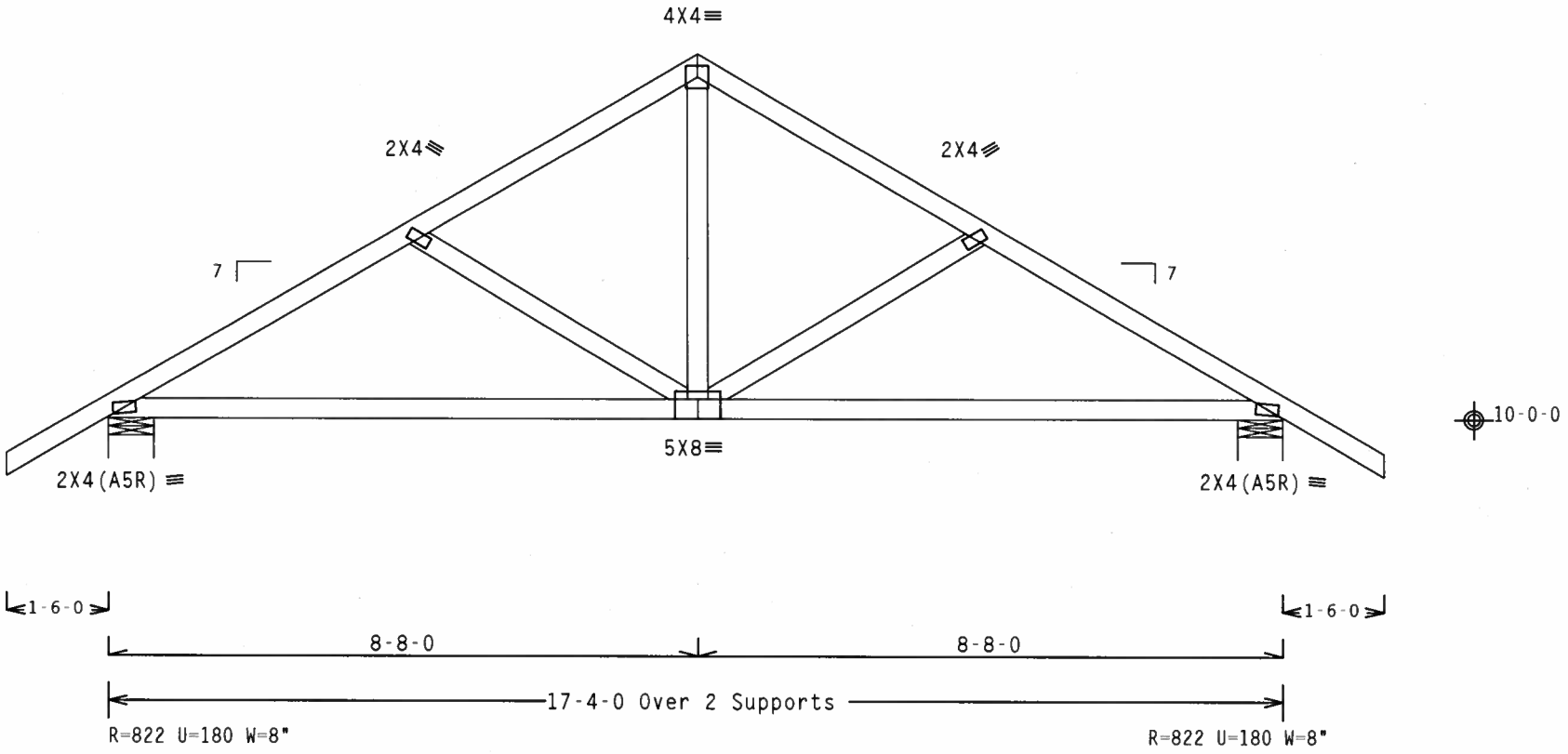
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5-5-0.

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

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

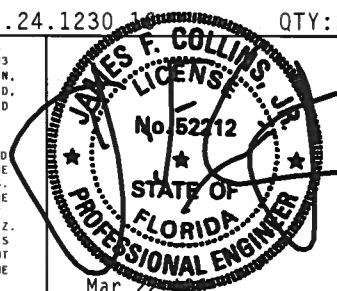


Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.1 QTY:2 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

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



Mar 22 06

TC LL	20.0 PSF	REF R215-- 65940
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080089
BC LL	0.0 PSF	HC-ENG RK/WHK *
TOT.LD.	40.0 PSF	SEQN- 18931
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

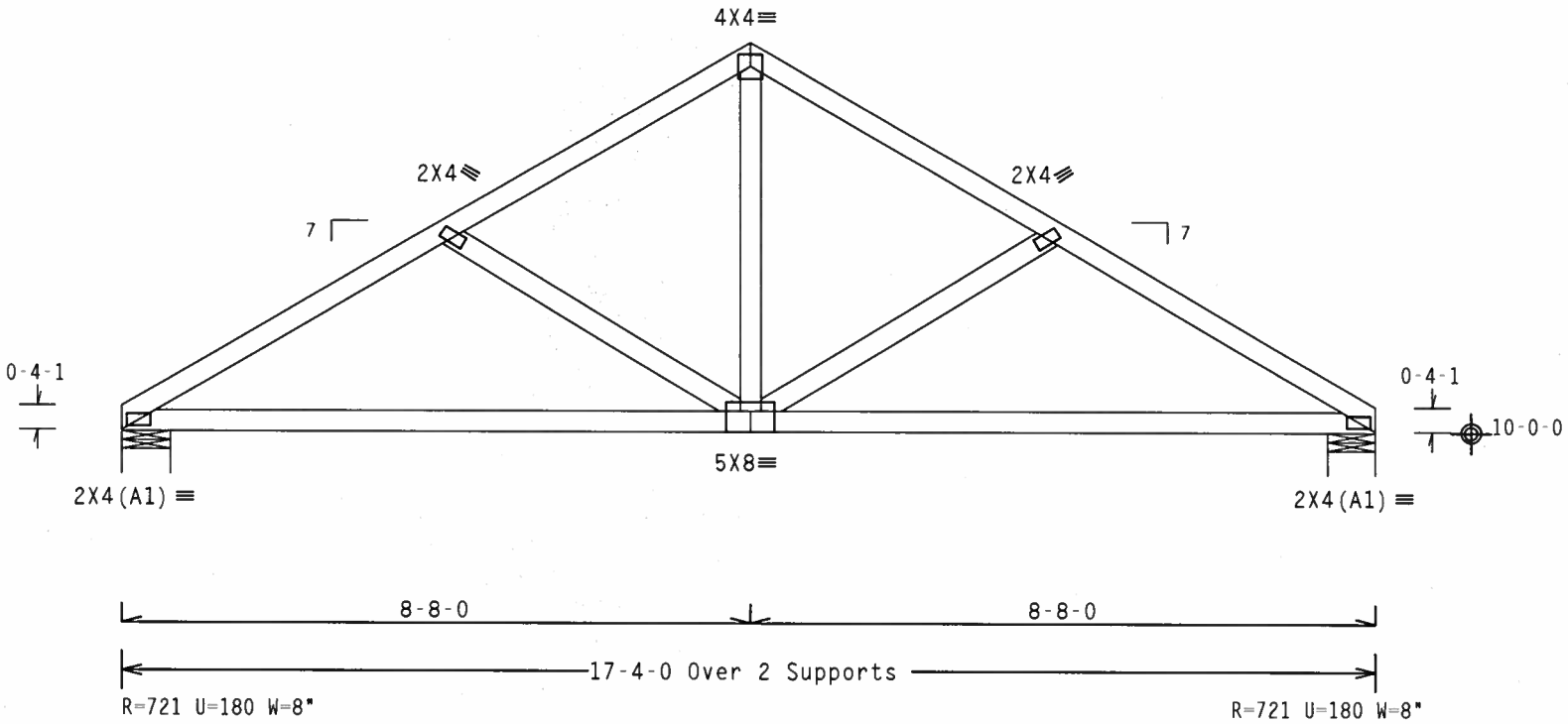
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5-4-15.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

Mar 22

TC LL	20.0 PSF	REF R215-- 65941
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080090
BC LL	0.0 PSF	HC-ENG RK/WHK *
TOT.LD.	40.0 PSF	SEQN- 18929
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

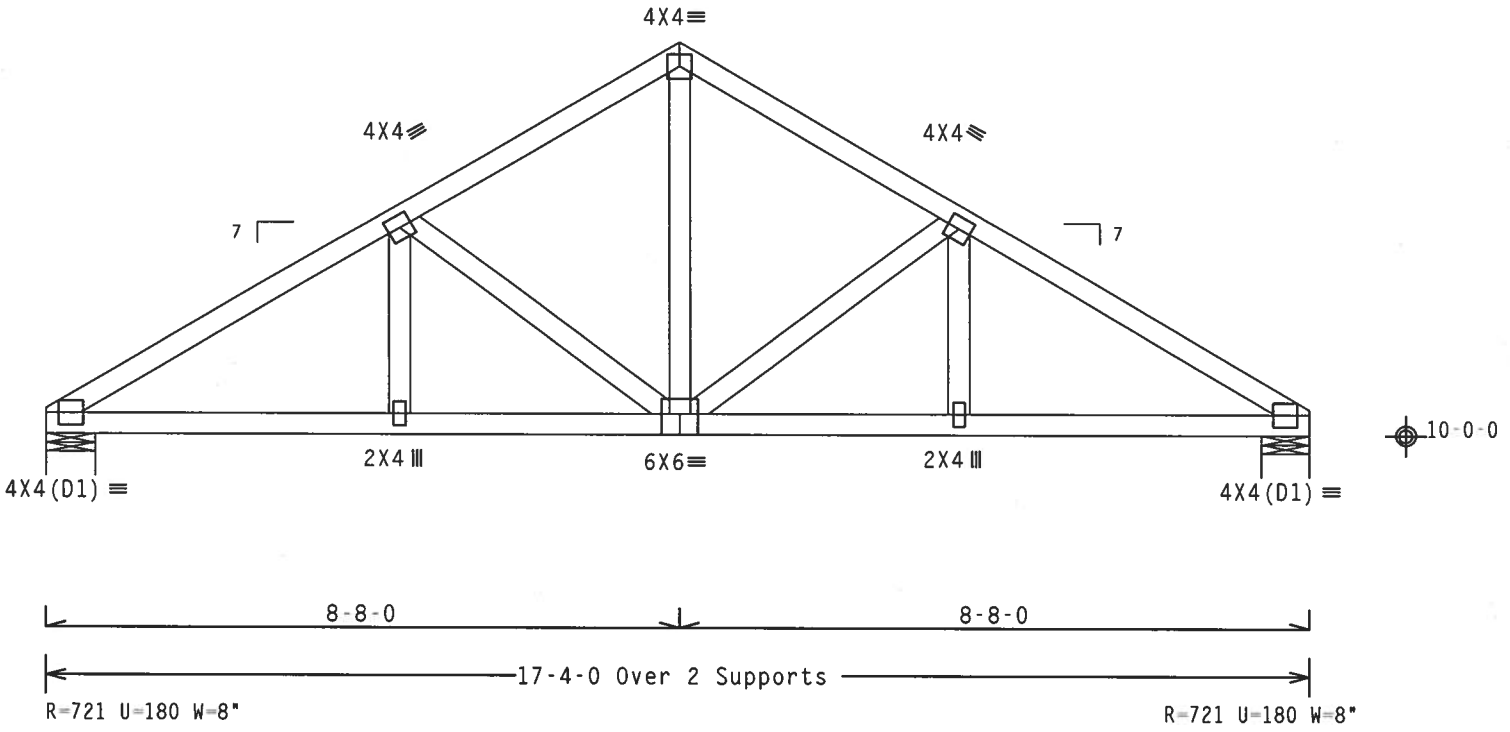
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5-4-15.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 F6

QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65942
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080091
BC LL	0.0 PSF	HC-ENG RK/WHK *
TOT.LD.	40.0 PSF	SEQN- 19239
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

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

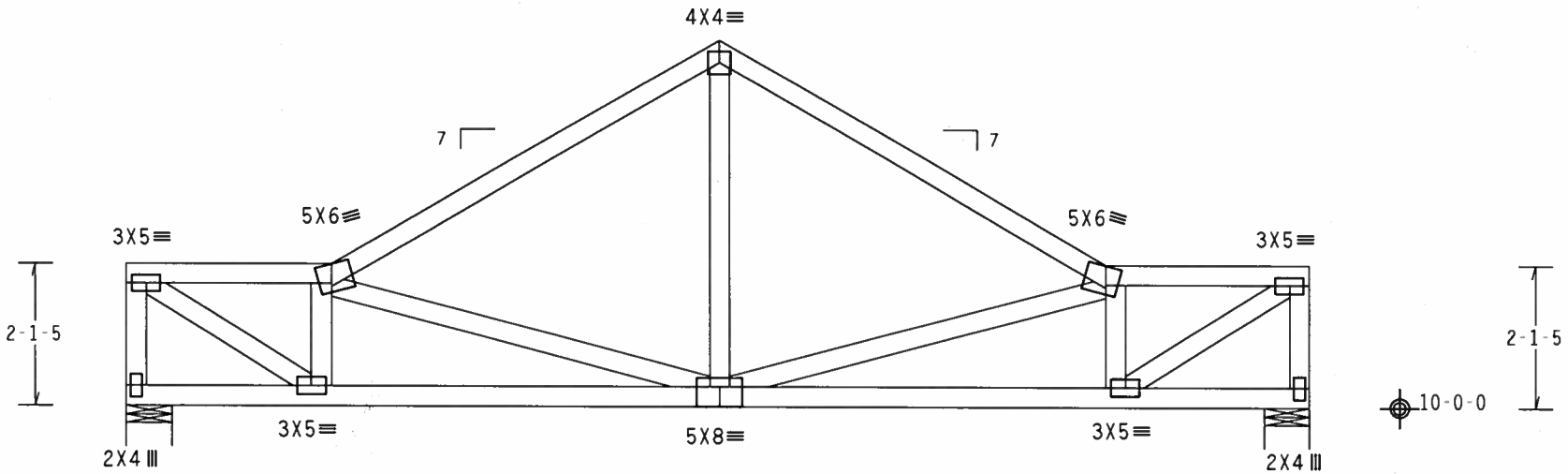
Plates sized for a minimum of 3.00 sq.in./piece.

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

Deflection meets L/240 live and L/180 total load.

Provide for complete drainage of roof.

The overall height of this truss excluding overhang is 5-4-15.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
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JAMES F. COLVINS, JR. LICENSE No. 52217 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65943
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080092
BC LL	0.0 PSF	HC-ENG RK/WHK *
TOT.LD.	40.0 PSF	SEQN- 18955
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

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

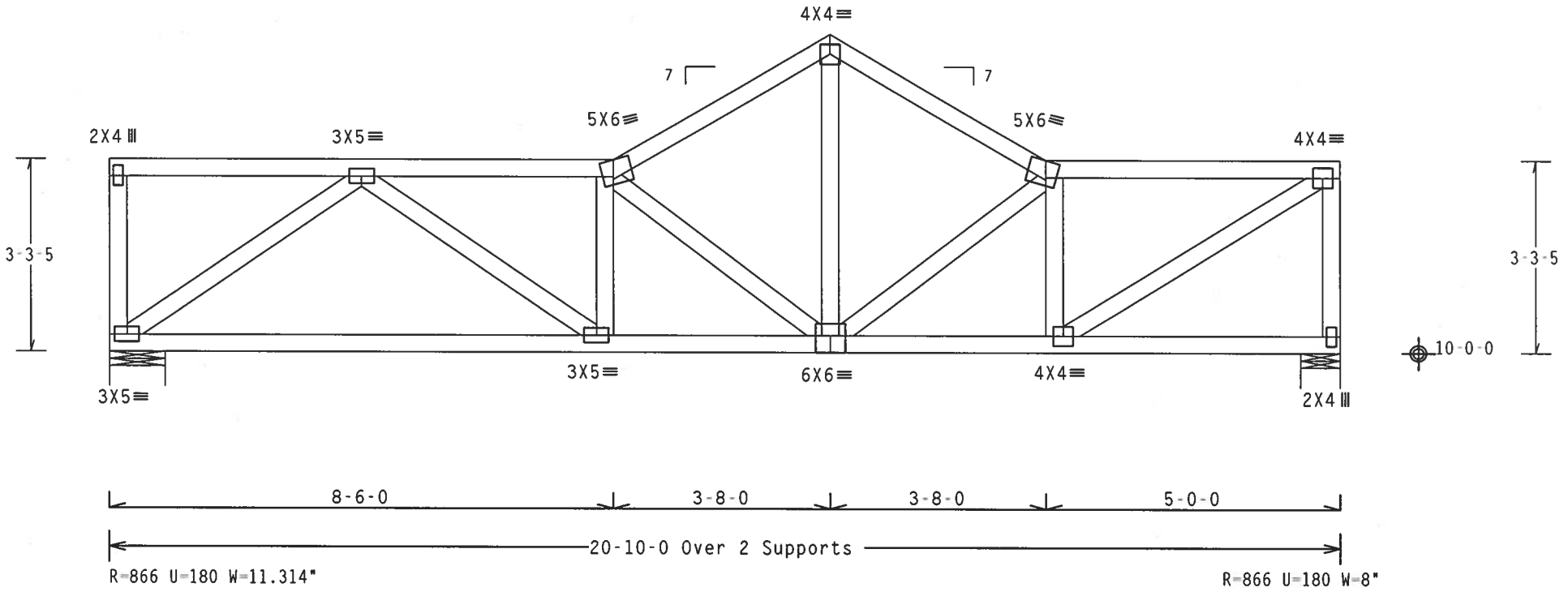
Plates sized for a minimum of 3.00 sq.in./piece.

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

Deflection meets L/240 live and L/180 total load.

Provide for complete drainage of roof.

The overall height of this truss excluding overhang is 5-5-0.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.1

QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65944
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080093
BC LL	0.0 PSF	HC-ENG RK/WHK *
TOT.LD.	40.0 PSF	SEQN- 18941
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - A-7)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

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

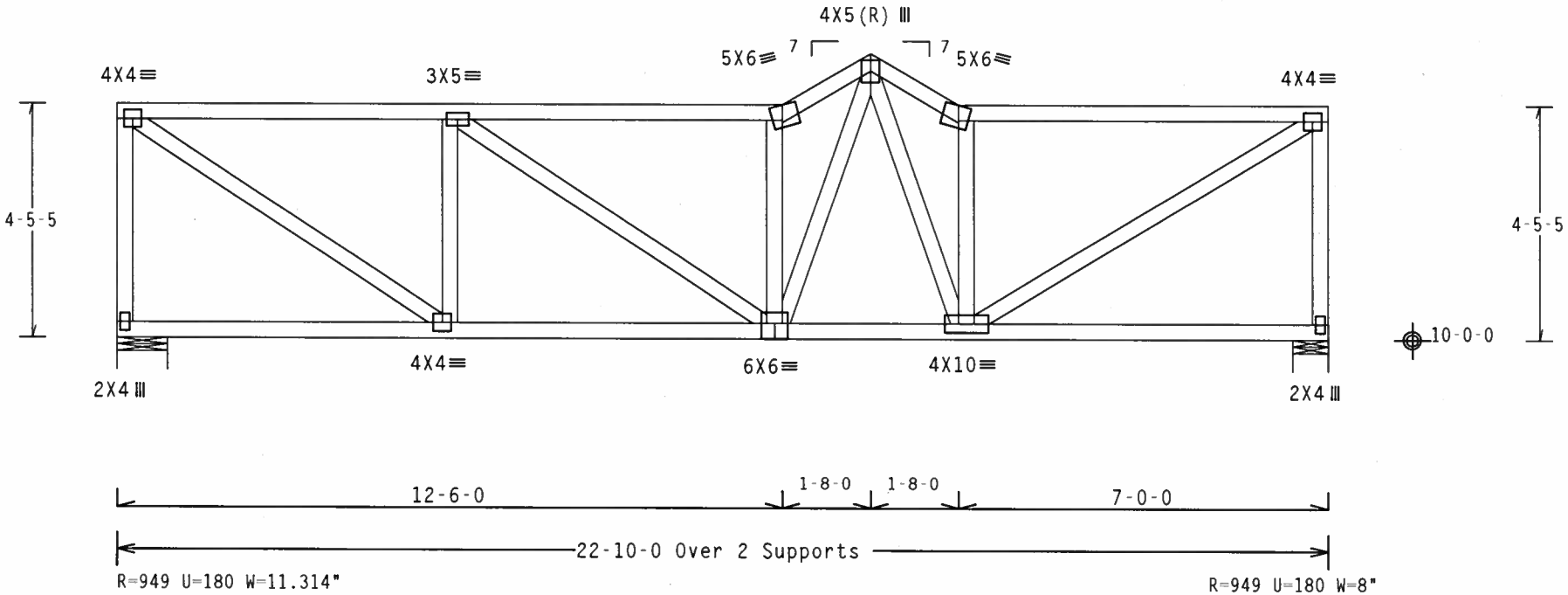
Plates sized for a minimum of 3.00 sq.in./piece.

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

Deflection meets L/240 live and L/180 total load.

Provide for complete drainage of roof.

The overall height of this truss excluding overhang is 5-5-0.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 [illegible] QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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1950 Marley Drive
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FL Certificate of Authorization # 567

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

Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65945
TC DL	10.0 PSF	DATE	03/21/06
BC DL	10.0 PSF	DRW	HCUSR215 06080093
BC LL	0.0 PSF		HC-ENG RK/WHK *
TOT.LD.	40.0 PSF	SEQN-	18970
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - A-8)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

Deflection meets L/240 live and L/180 total load.

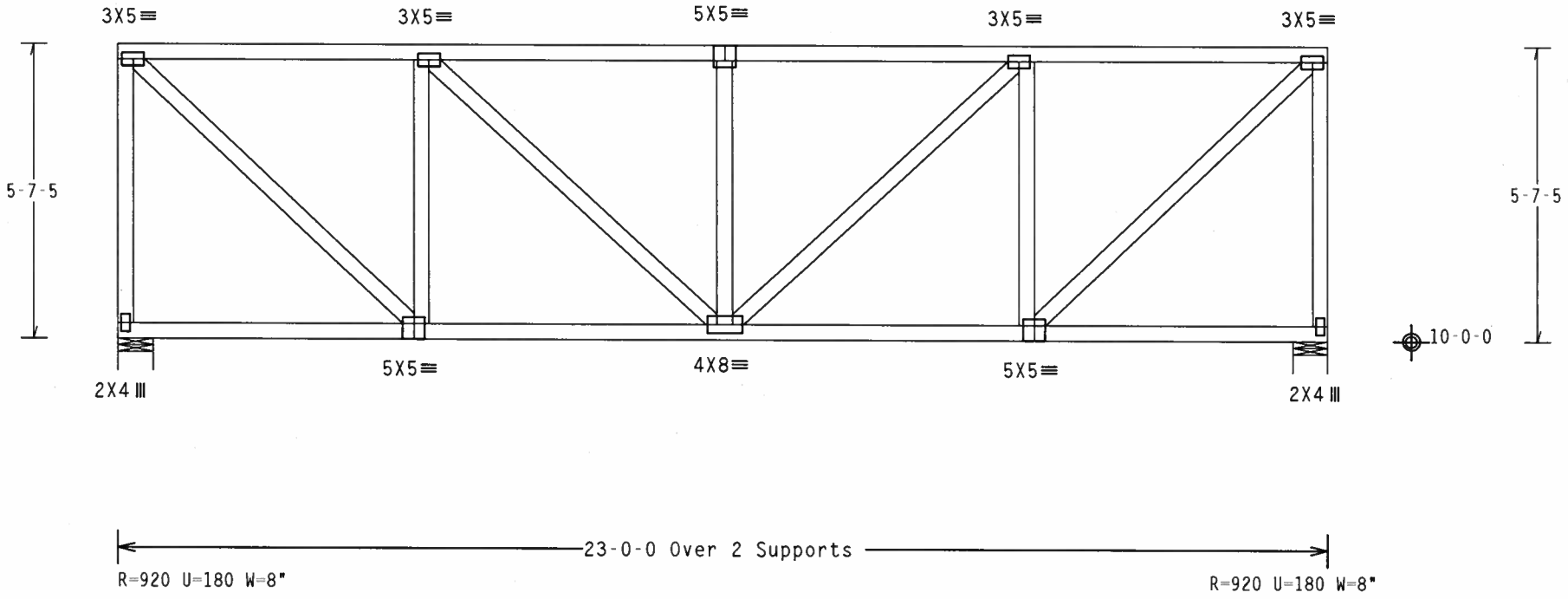
Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 5-7-5.

110 mph wind, 15.61 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.

Provide for complete drainage of roof.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 16

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65946
TC DL	10.0 PSF	DATE	03/21/06
BC DL	10.0 PSF	DRW	HCUSR215 06080094
BC LL	0.0 PSF	HC-ENG	RK/WHK *
TOT.LD.	40.0 PSF	SEQN-	18968
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - A-9)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x6 SP #2 N :T3, T4 2x4 SP #2 N:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

End verticals not exposed to wind pressure.

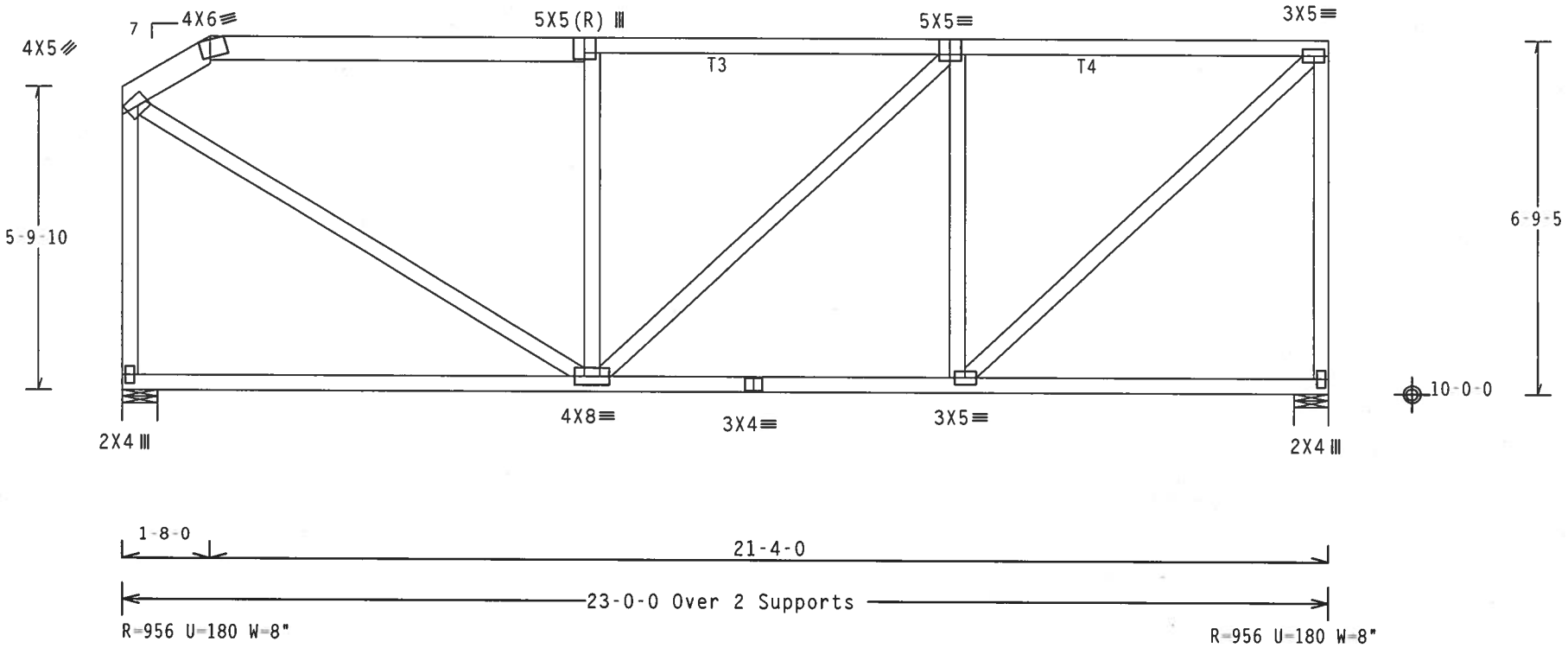
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 23.00
BC - From 20 PLF at 0.00 to 20 PLF at 23.00

110 mph wind, 16.29 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65947
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081022
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	20879 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

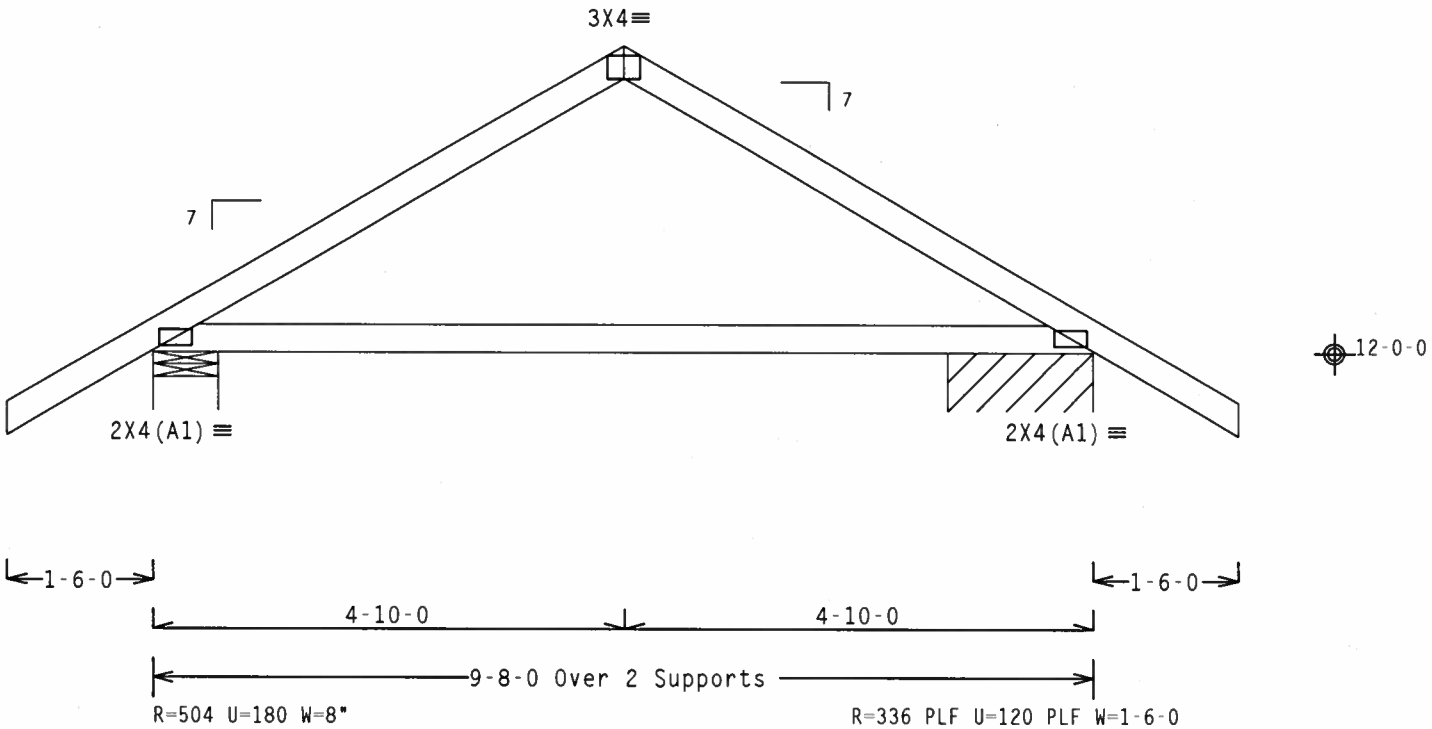
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

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

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.

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



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

PLT TYP. Wave

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

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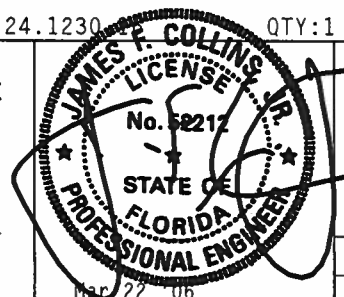


TC LL	20.0 PSF	REF R215-- 65948
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080095
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 18951
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

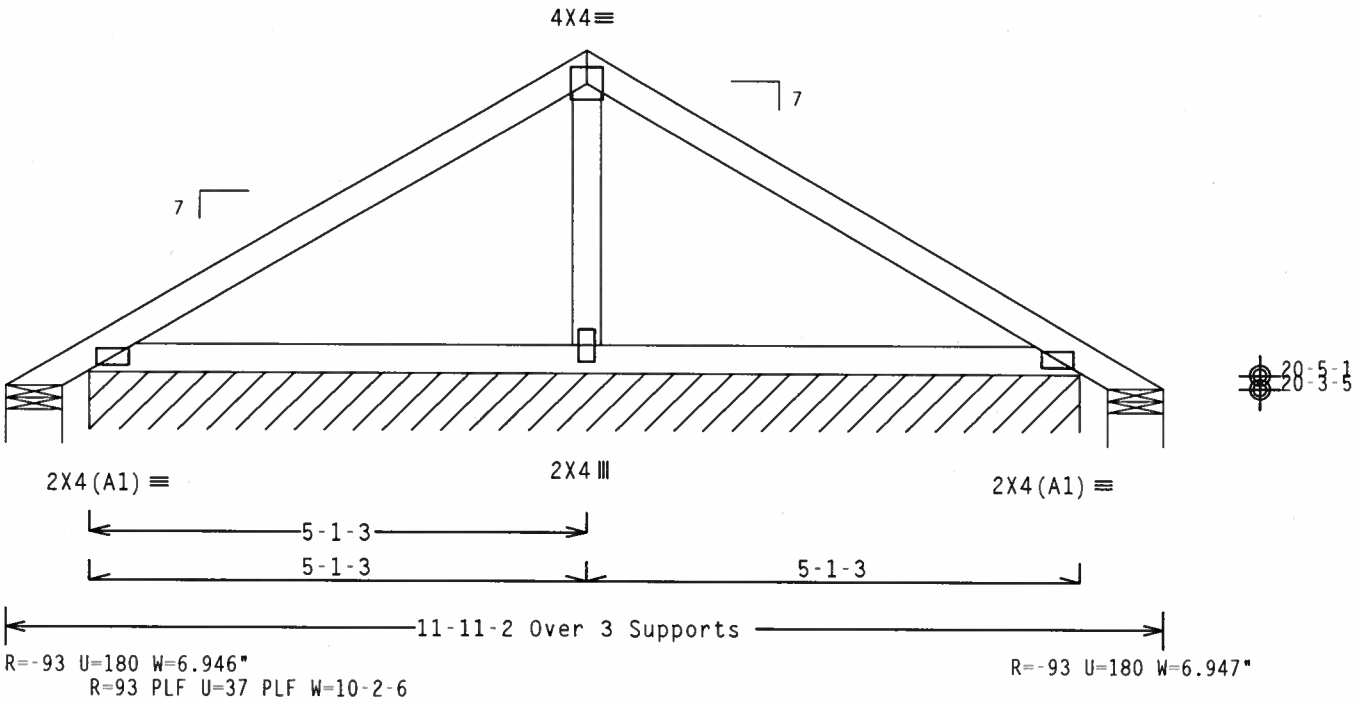
Plates sized for a minimum of 3.00 sq.in./piece.

REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

110 mph wind, 22.01 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 3-5-12.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.16

PLT TYP. Wave

QTY:12 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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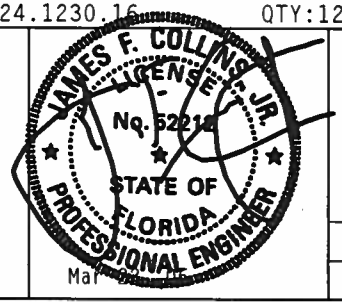


TC LL	20.0 PSF	REF R215-- 65949
TC DL	10.0 PSF	DATE 03/21/06
BC DL	2.0 PSF	DRW HCUSR215 06080096
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN- 18997
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

Left end vertical not exposed to wind pressure.

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

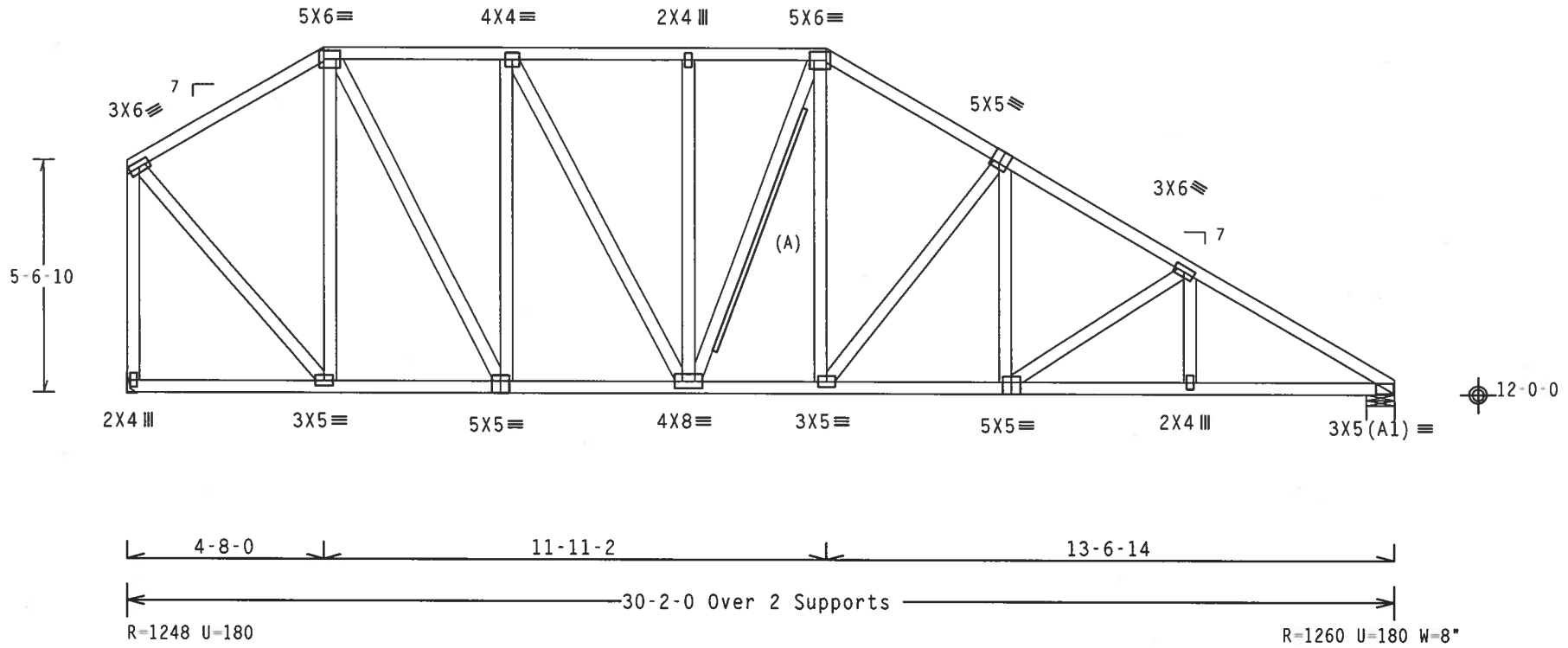
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 16.32 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.

(A) 1x4 #3 or better "T" 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.

The overall height of this truss excluding overhang is 8-3-5.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE

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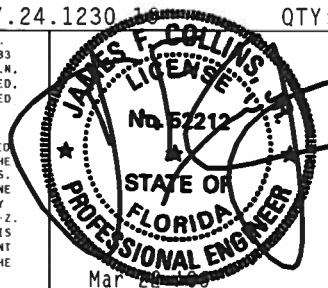


Mar 2[illegible]

TC LL	20.0 PSF	REF R215-- 65950
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080097
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 18924
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - AG-1)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 23.00
BC - From 20 PLF at 0.00 to 20 PLF at 23.00
PLB- 765 LB Conc. Load at (1.73,10.04)
PLB- 795 LB Conc. Load at (3.73,10.04), (5.73,10.04), (7.60,10.04)
PLB- 1487 LB Conc. Load at (9.33,10.04)
PLB- 1311 LB Conc. Load at (9.73,10.04), (11.73,10.04)
PLB- 1248 LB Conc. Load at (13.73,10.04), (15.73,10.04), (17.73,10.04)
(19.73,10.04), (21.73,10.04)

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

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

2 COMPLETE TRUSSES REQUIRED

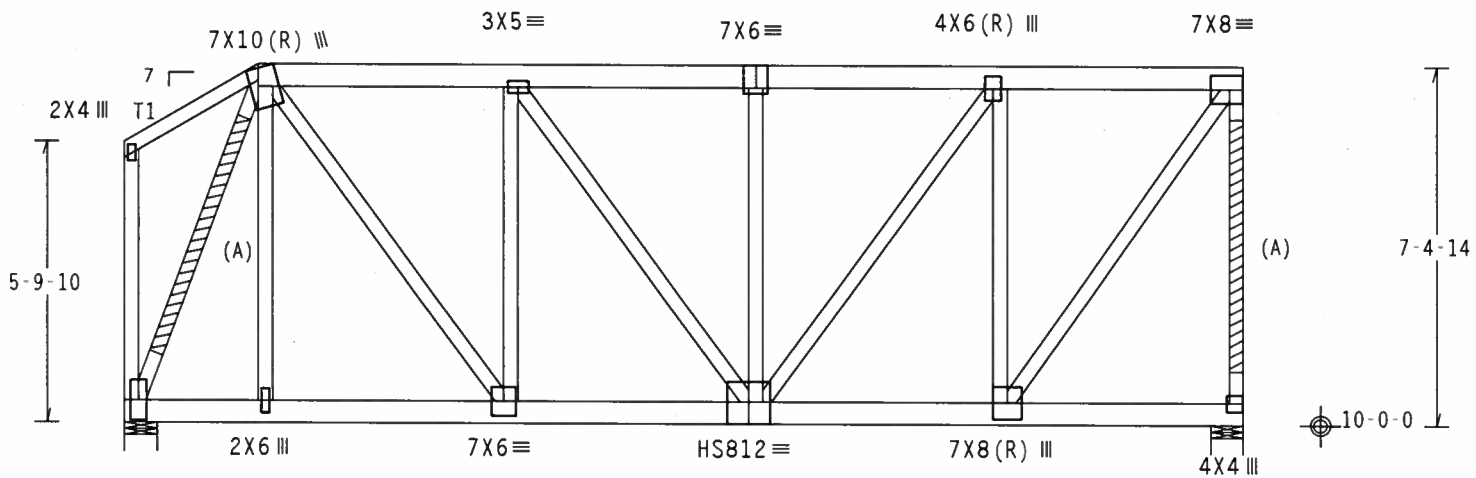
Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

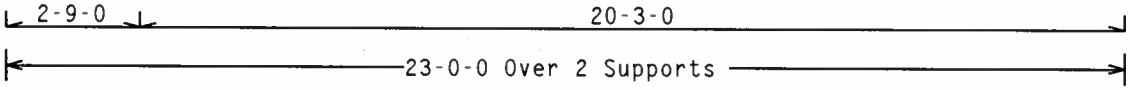
110 mph wind, 16.61 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 7-4-14.





R=7171 U=902 W=8"

R=8240 U=1022 W=8"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY.1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE
Alpine Engineered Products, Inc.
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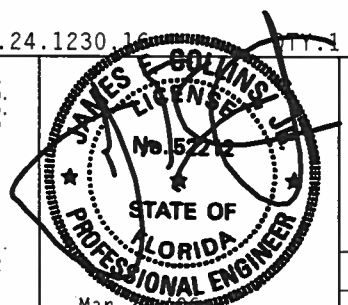


Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65951
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081045
BC LL	0.0 PSF		HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19159
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SVP215_Z02

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 10.88
BC - From 20 PLF at 0.00 to 20 PLF at 10.88
BC - 737 LB Conc. Load at 1.40
BC - 765 LB Conc. Load at 3.40
BC - 795 LB Conc. Load at 5.40, 7.40, 9.27

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

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

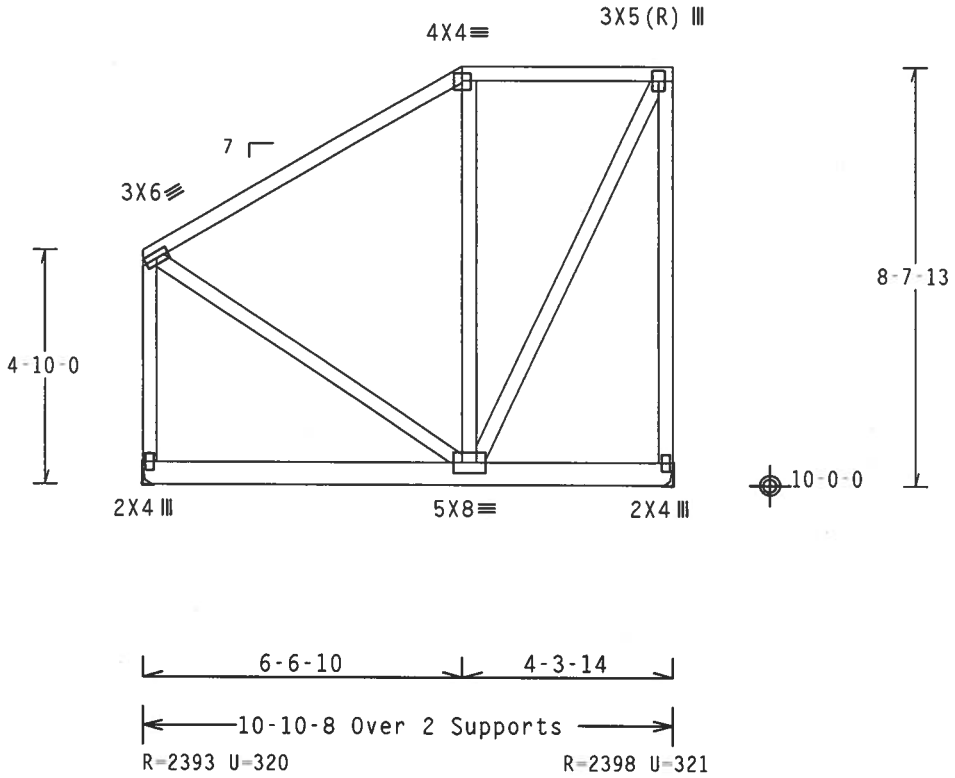
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 16.74 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 8-7-13.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1230 1
QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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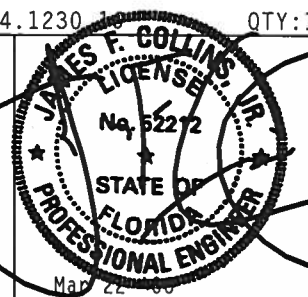


Mar 22 '06

TC LL	20.0 PSF	REF R215-- 65952
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081007
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19287
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Stubbed Wedge 2x4 SP #2 N:

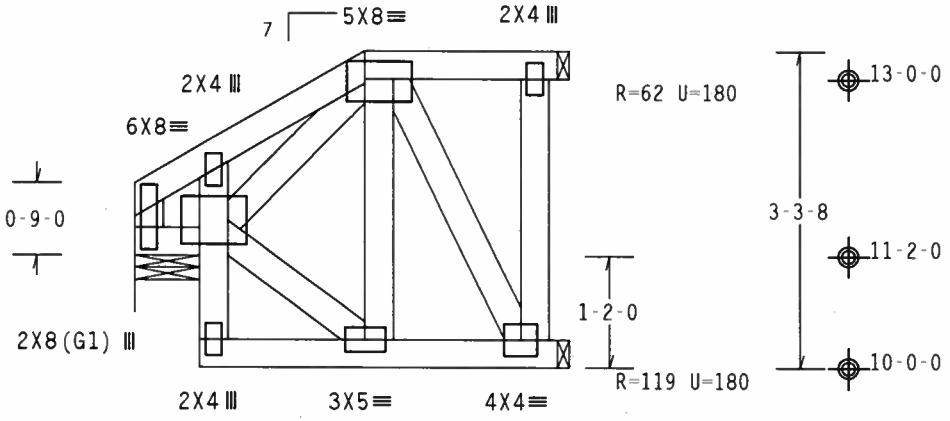
Deflection meets L/240 live and L/180 total load.

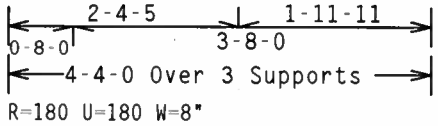
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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 use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 2-1-8.





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

PLT TYP. Wave

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

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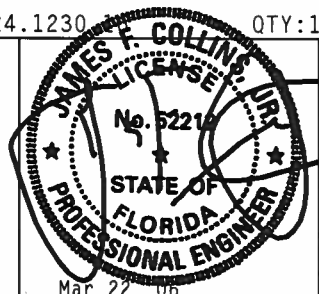


TC LL	20.0 PSF	REF	R215-- 65953
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081046
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	18995
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

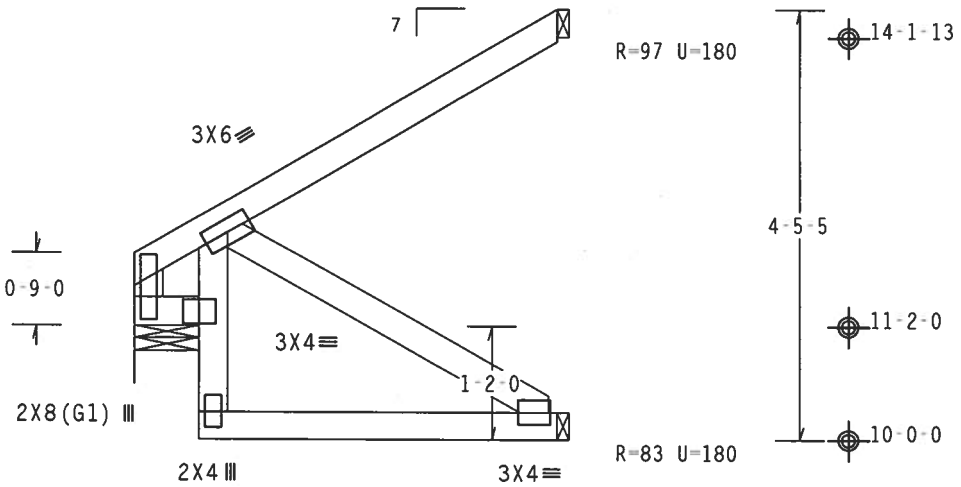
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Stubbed Wedge 2x4 SP #2 N:

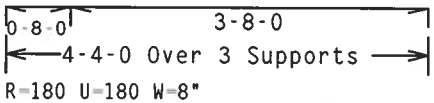
Plates sized for a minimum of 3.00 sq.in./piece.

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

Deflection meets L/240 live and L/180 total load.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1230 [illegible] QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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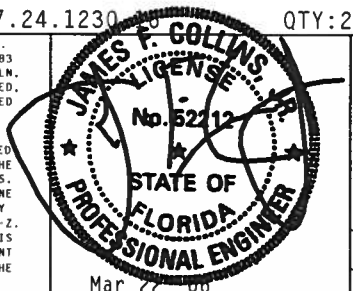


Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65954
TC DL	10.0 PSF	DATE	03/21/06
BC DL	10.0 PSF	DRW	HCUSR215 06080098
BC LL	0.0 PSF	HC-ENG	RK/WHK *
TOT.LD.	40.0 PSF	SEQN-	18993
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - EJ7)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

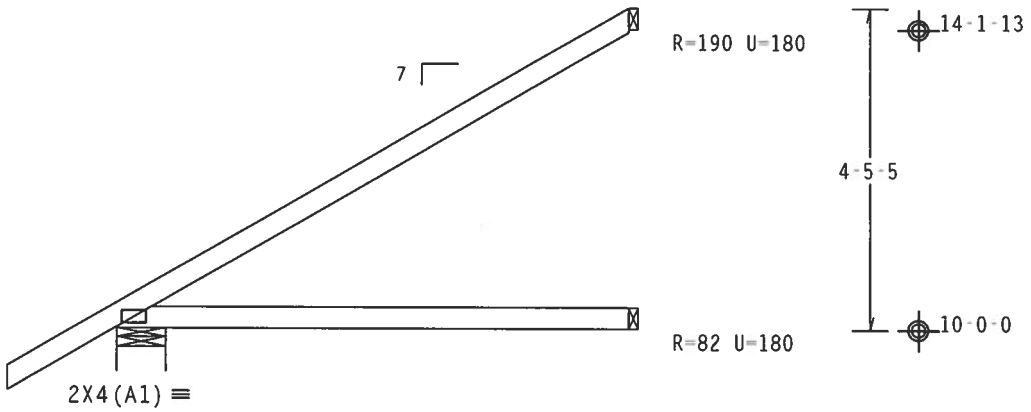
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

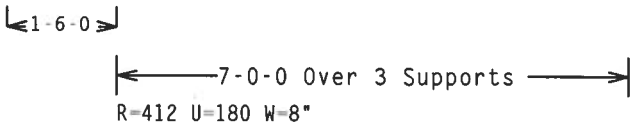
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-5-5.

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

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





Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.1230.10

PLT TYP. Wave

QTY:15 FL/-/5/-/-/R/-

Scale =.375"/Ft.

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

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

Mar 22 [illegible]

TC LL	20.0 PSF	REF R215-- 65955
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080099
BC LL	0.0 PSF	HC-ENG RK/WHK *
TOT.LD.	40.0 PSF	SEQN- 18959
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

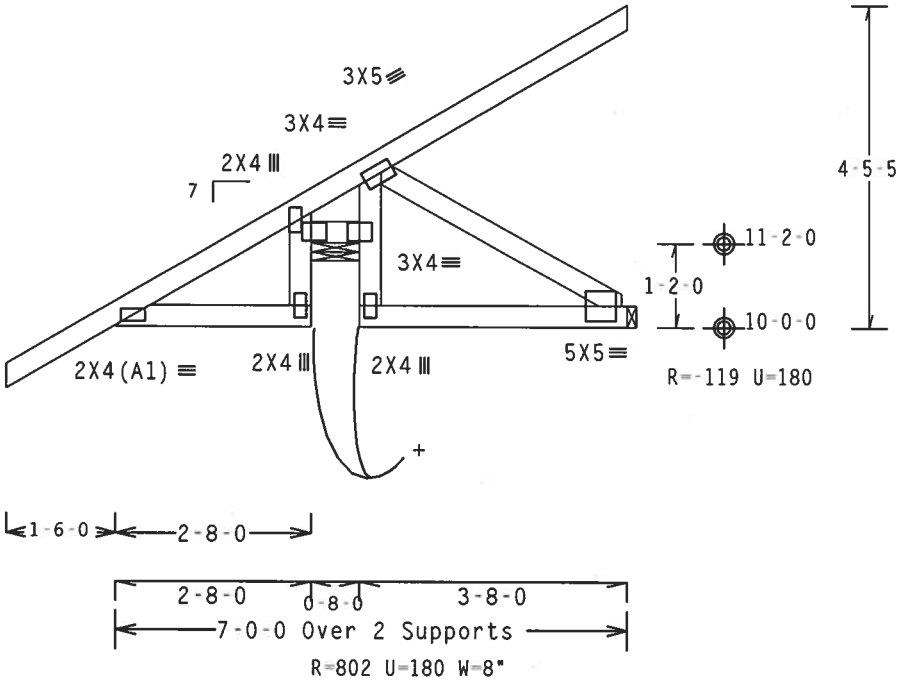
Deflection meets L/240 live and L/180 total load.

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

+SHIM ALL SUPPORTS TO SOLID BEARING.

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.

The overall height of this truss excluding overhang is 4-5-5.



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

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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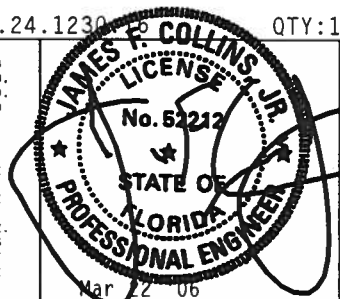
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

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



TC LL	20.0 PSF	REF R215-- 65956
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080100
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19176 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

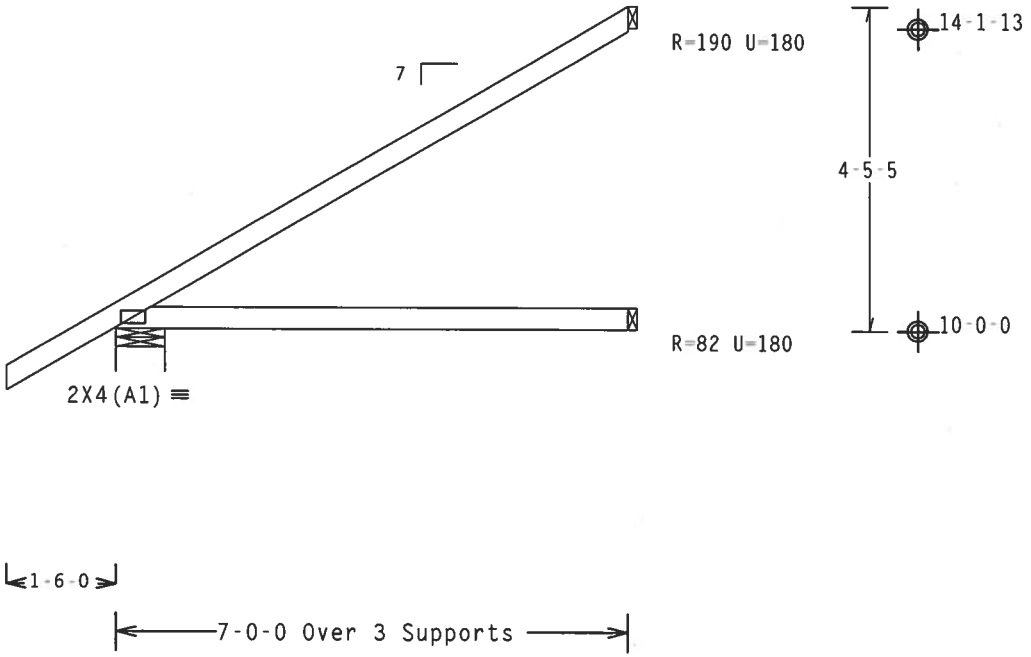
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-5-5.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 F6 QTY:7 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65957
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080101
BC LL	0.0 PSF	HC-ENG RK/WHK *
TOT.LD.	40.0 PSF	SEQN- 19004
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

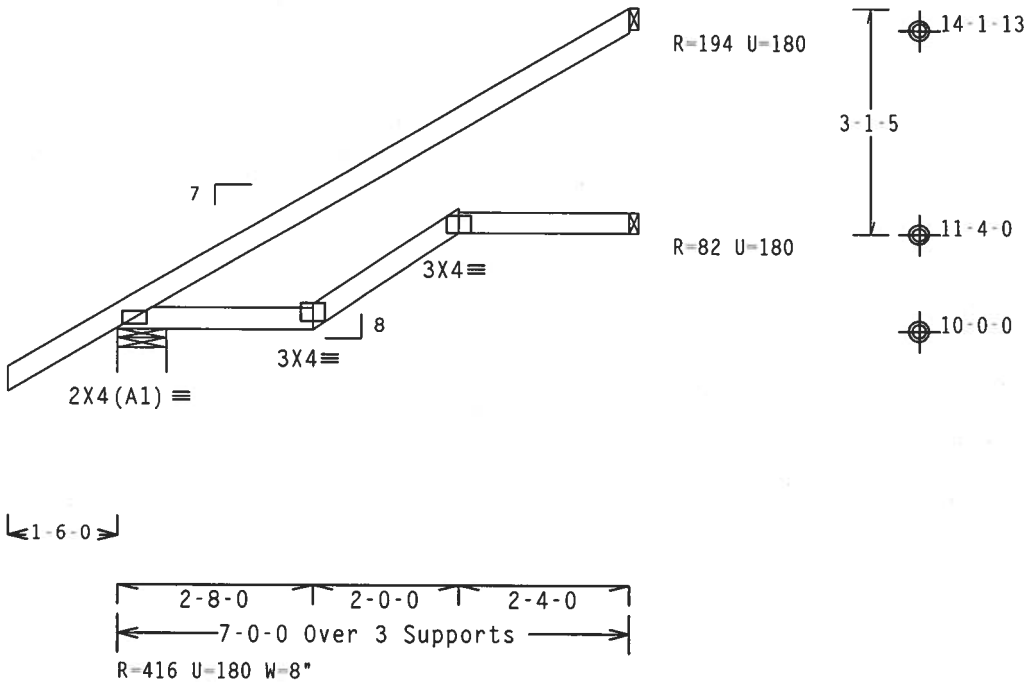
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-5-5.

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

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



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

PLT TYP. Wave

QTY:7 FL/-/5/-/-/R/- Scale =.375"/Ft.

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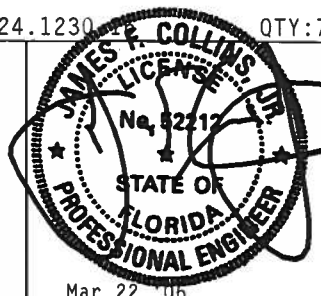


Mar 22 '06

TC LL	20.0 PSF	REF	R215-- 65958
TC DL	10.0 PSF	DATE	03/21/06
BC DL	10.0 PSF	DRW	HCUSR215 06080102
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19006
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

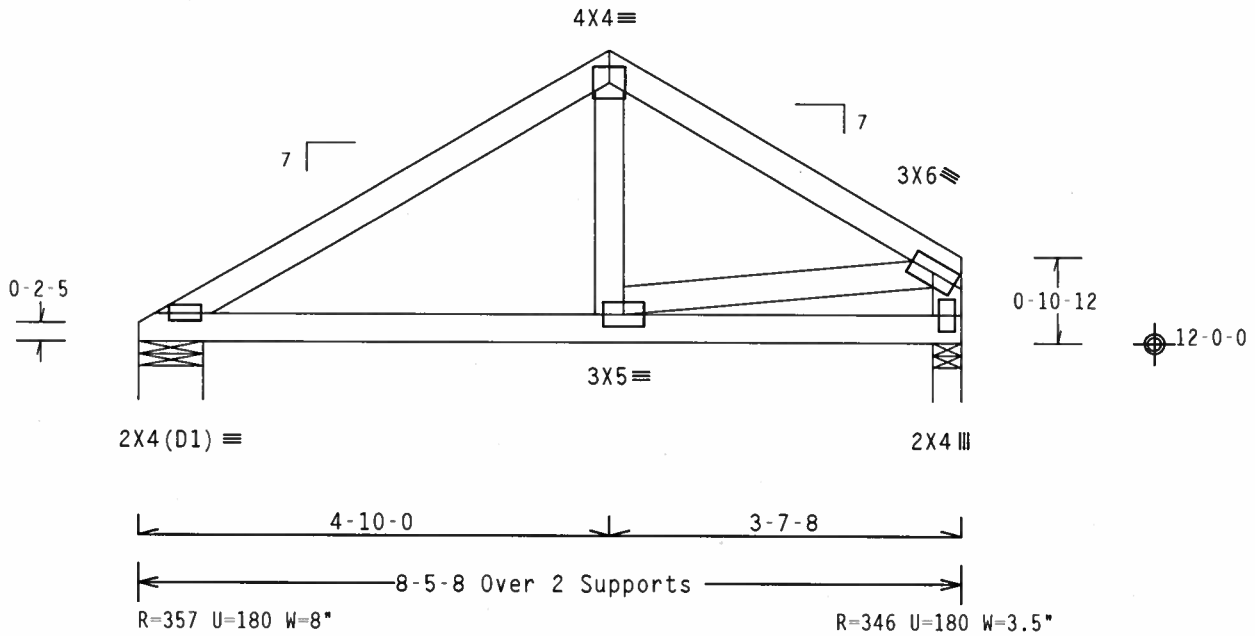
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 3-0-2.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.1

PLT TYP. Wave

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

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

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

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65959
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080103
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 18949
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 31.33
BC - From 20 PLF at 0.00 to 20 PLF at 31.33
BC - 2393 LB Conc. Load at 18.92

Deflection meets L/240 live and L/180 total load.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

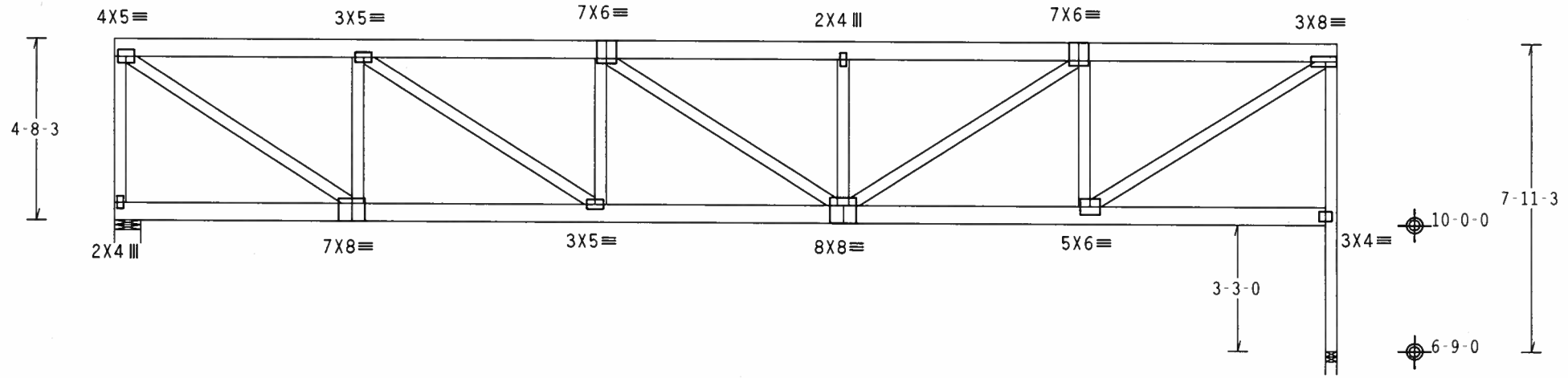
2 COMPLETE TRUSSES REQUIRED

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

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

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

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



31-4-0 Over 2 Supports

R=2189 U=234 W=8"

R=2711 U=290 W=3.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSED No.52211 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22

TC LL	20.0 PSF	REF	R215-- 65960
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081047
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19293
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - FTG2)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N :B2 2x6 SP SS:
Webs 2x4 SP #2 N :W2, W10 2x4 SP #2 Dense:
:W11 2x6 SP #2 N:

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.

Max JT VERT DEFL: LL: 0.26" DL: 0.26" recommended camber 1/2"

(A) Continuous lateral bracing equally spaced on member.

Truss must be installed as shown with top chord up.

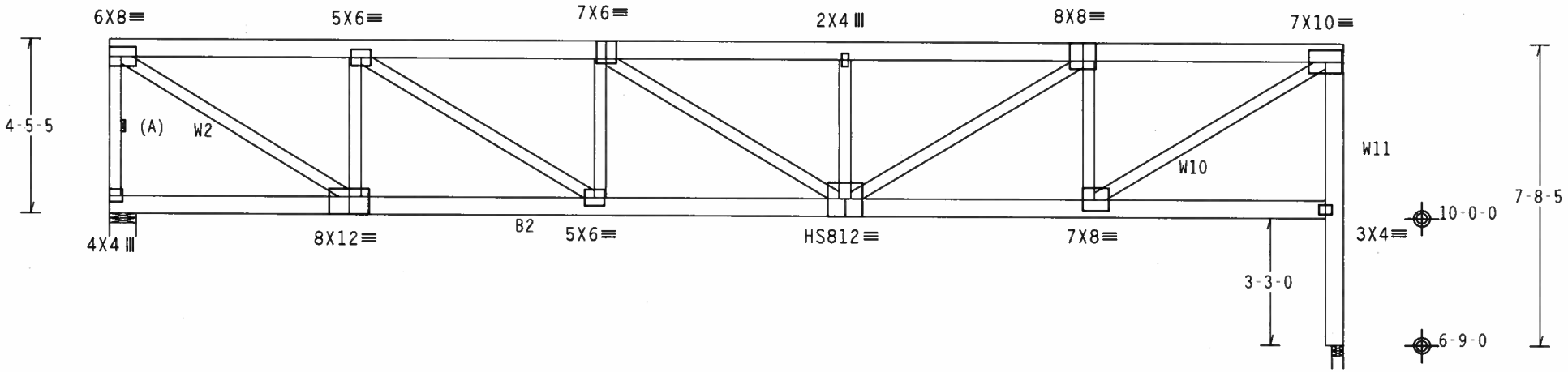
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 31.33
BC - From 20 PLF at 0.00 to 20 PLF at 31.33
TC - 190 LB Conc. Load at 2.06, 4.06, 6.06, 8.06, 10.15 11.77, 13.77, 15.77, 17.77, 19.77, 21.77, 23.77, 25.77, 27.77 29.77
BC - 82 LB Conc. Load at 2.06, 4.06, 6.06, 8.06, 10.15 11.77, 13.77, 15.77, 17.77, 19.77, 21.77, 23.77, 25.77, 27.77 29.77

Deflection meets L/240 live and L/180 total load.

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

The overall height of this truss excluding overhang is 4-5-5.



31-4-0 Over 2 Supports

R=3239 U=492 W=8"

R=3341 U=510 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave

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

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

Scale =.25"/Ft.

ALPINE

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FL Certificate of Authorization # 567

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

Mar 22 '06

TC LL	20.0 PSF	REF	R215-- 65961
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081049
BC LL	0.0 PSF		HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19035
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 N :M1, M12 2x4 SP SS:
:M6, M7 2x6 SP #2 N:

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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

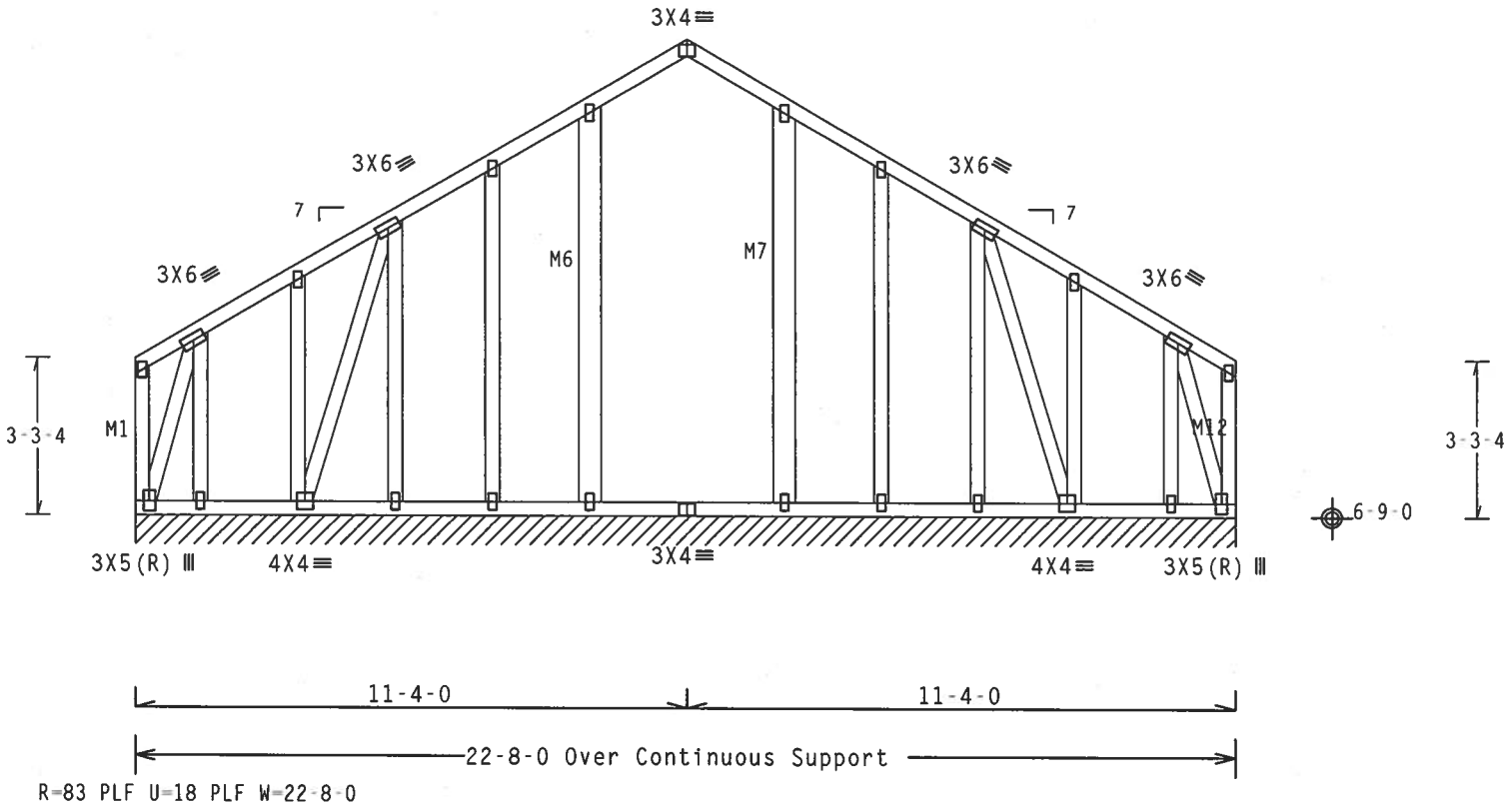
The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

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.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load.

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

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

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

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

Mar

TC LL	20.0 PSF	REF	R215-- 65962
TC DL	10.0 PSF	DATE	03/21/06
BC DL	10.0 PSF	DRW	HCUSR215 06080104
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19327
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

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

Gable end supports 8" max rake overhang.

Deflection meets L/240 live and L/180 total load.

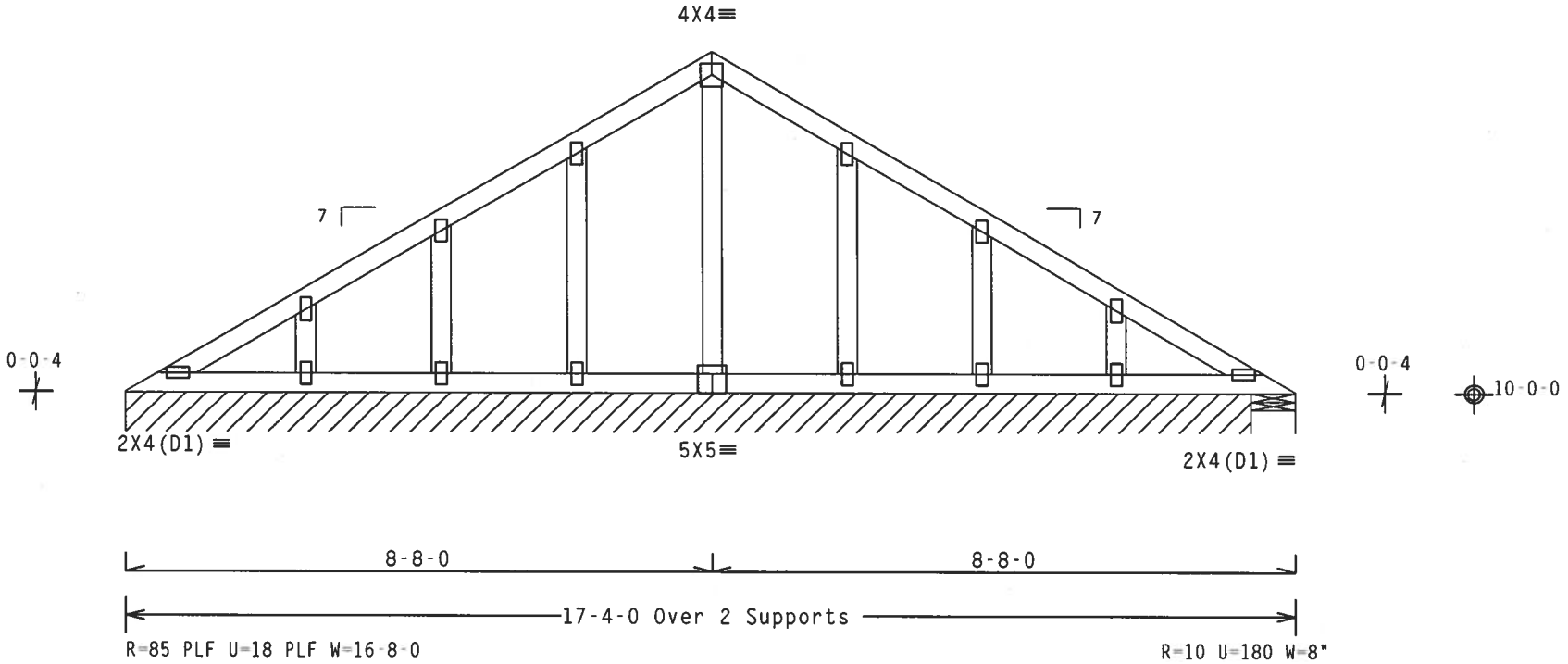
The overall height of this truss excluding overhang is 5-0-15.

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

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

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16

QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

Mar 21,2006

TC LL	20.0 PSF	REF R215-- 65963
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080105
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19332
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

Gable end supports 8" max rake overhang.

Deflection meets L/240 live and L/180 total load.

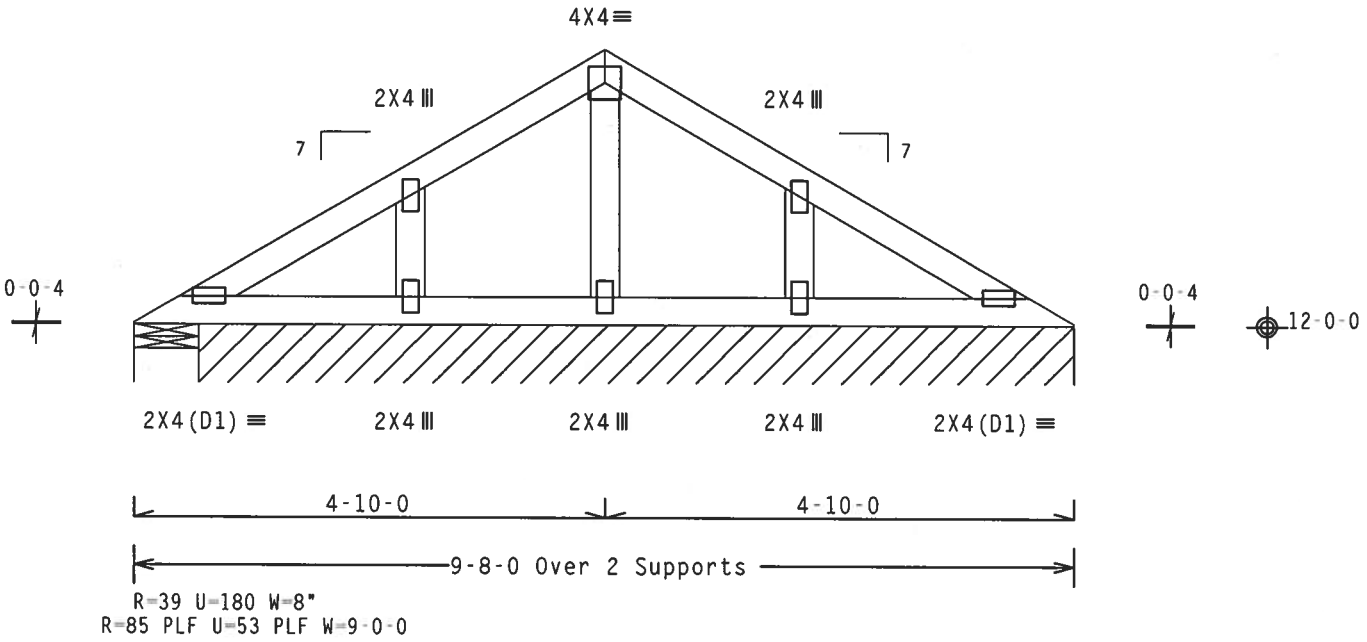
The overall height of this truss excluding overhang is 2-10-1.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

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

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



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

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

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Alpine Engineered Products, Inc.
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Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65964
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080106
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19315
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

Gable end supports 8" max rake overhang.

Deflection meets L/240 live and L/180 total load.

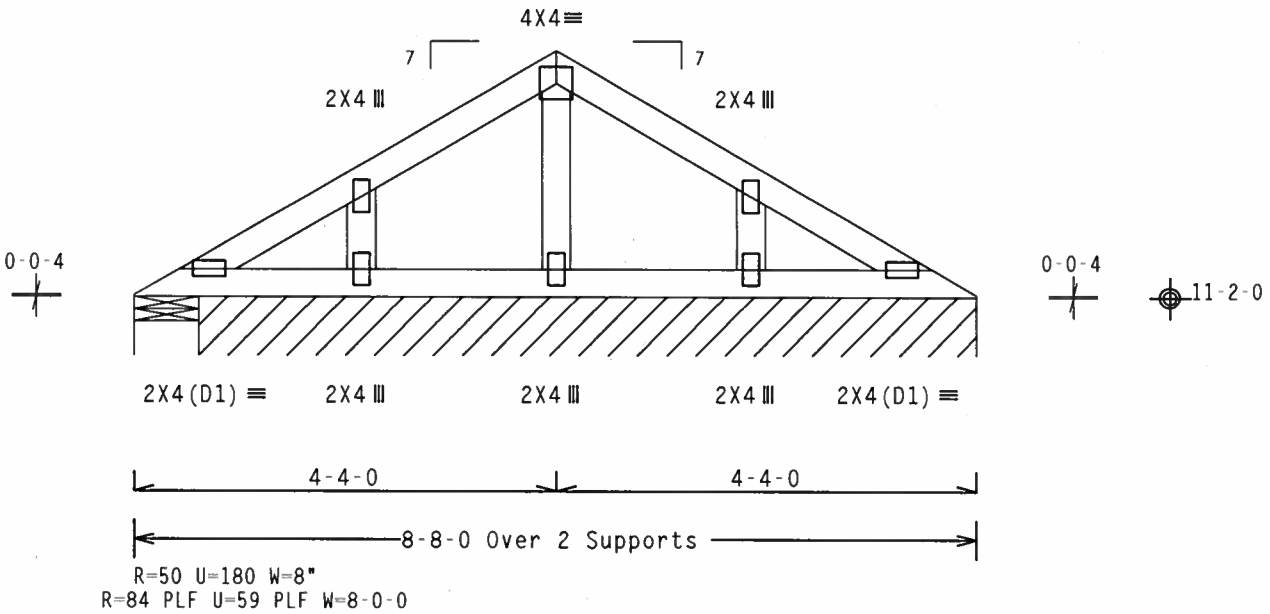
The overall height of this truss excluding overhang is 2-6-9.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

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

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



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

PLT TYP. Wave

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

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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 32212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65965
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080107
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19309
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - H1A)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

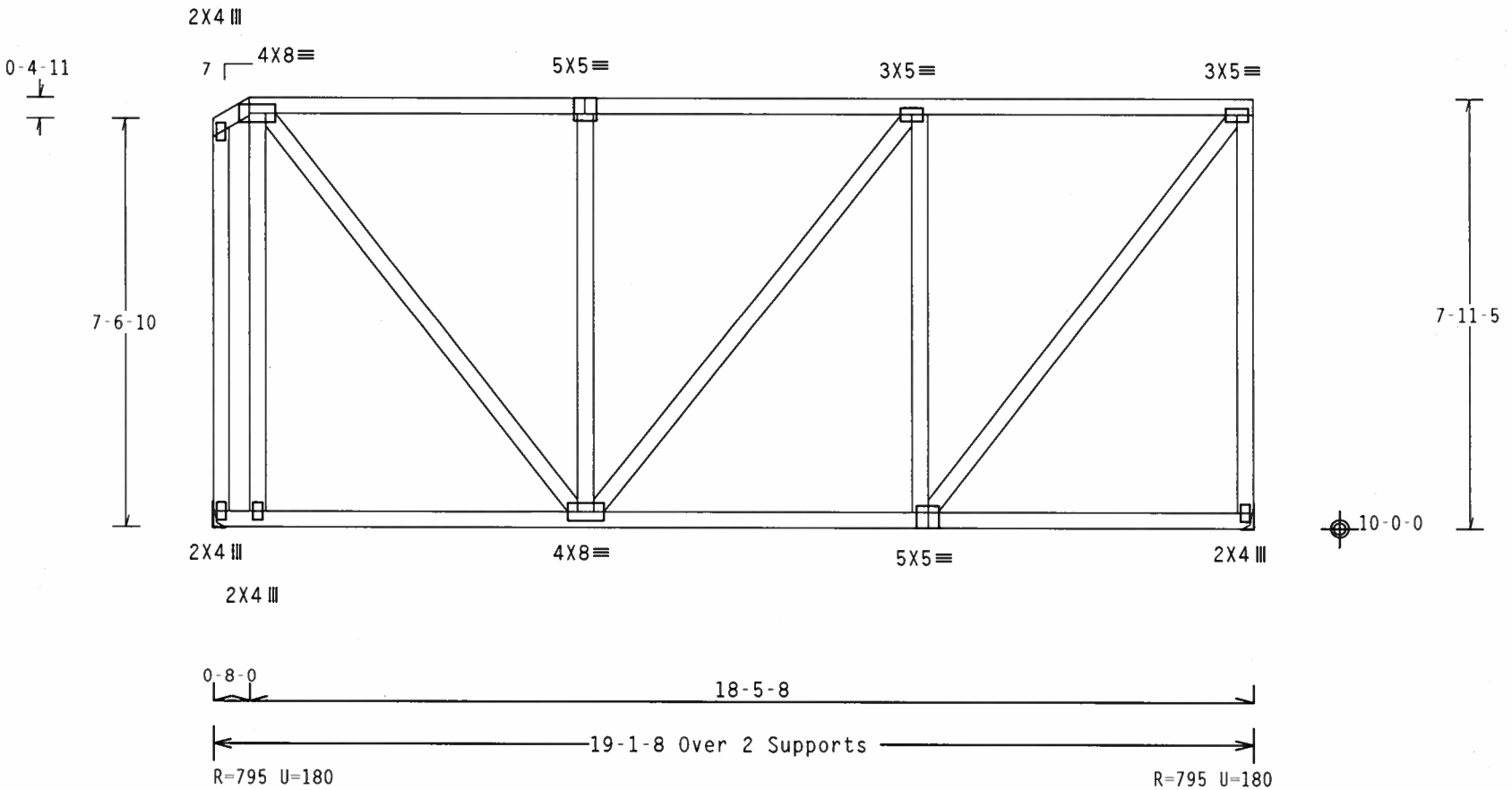
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 7-11-5.

110 mph wind, 17.75 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230.1

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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

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

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65966
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080108
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19060
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

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

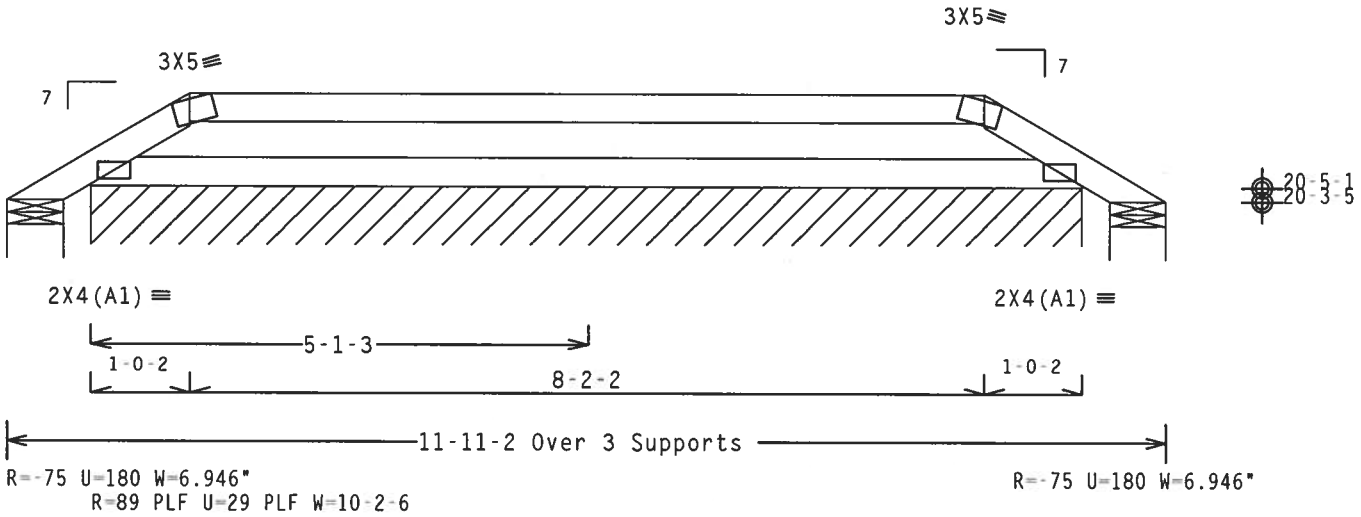
Plates sized for a minimum of 3.00 sq.in./piece.

REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

110 mph wind, 20.82 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 1-1-2.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cg/RT=1.00(1.25)/10(0) 7.24.1230 6 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE

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1950 Marley Drive
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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65967
TC DL	10.0 PSF	DATE 03/21/06
BC DL	2.0 PSF	DRW HCUSR215 06080109
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN- 19013
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - H3A)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

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

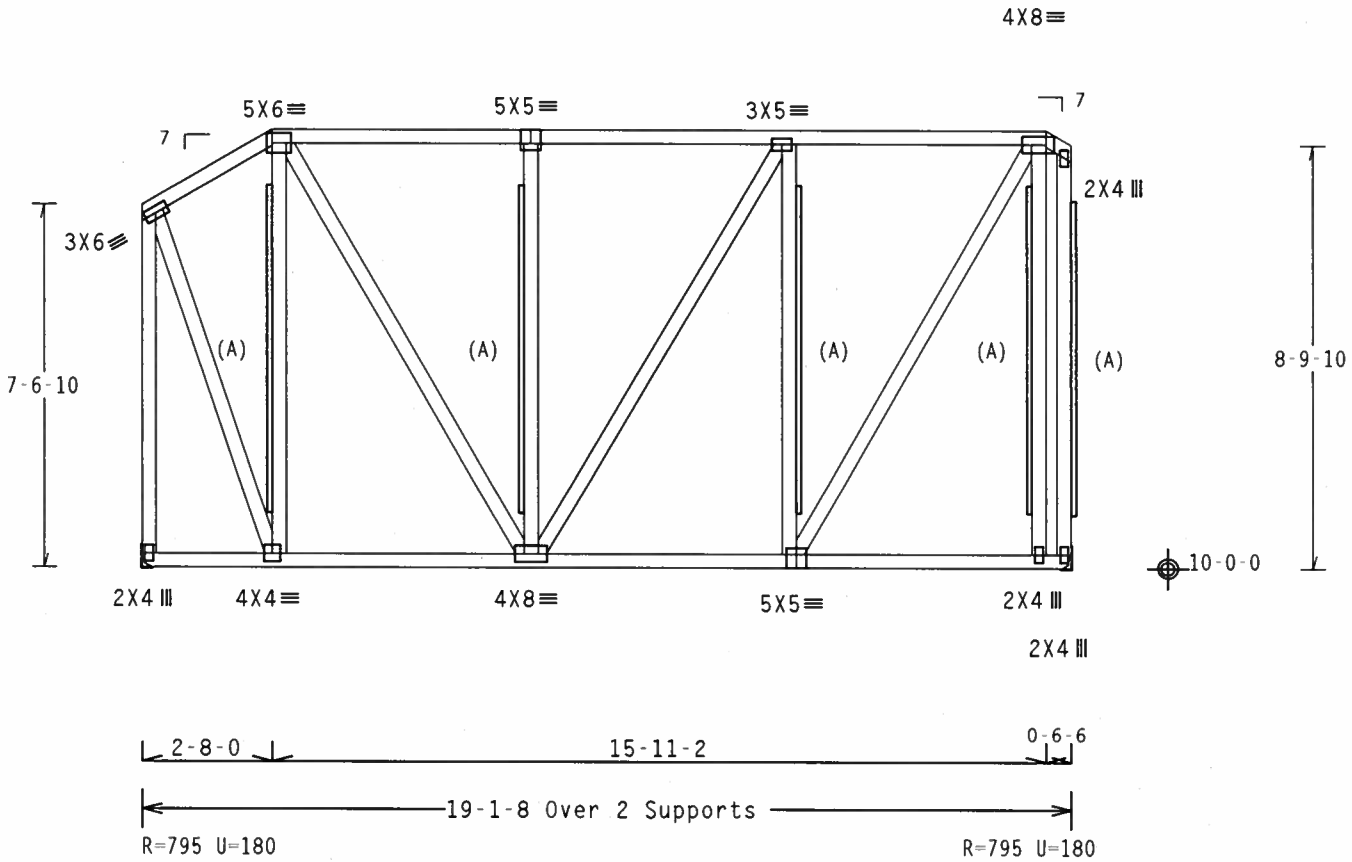
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 9-1-5.

110 mph wind, 18.33 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65968
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080110
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19068
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

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

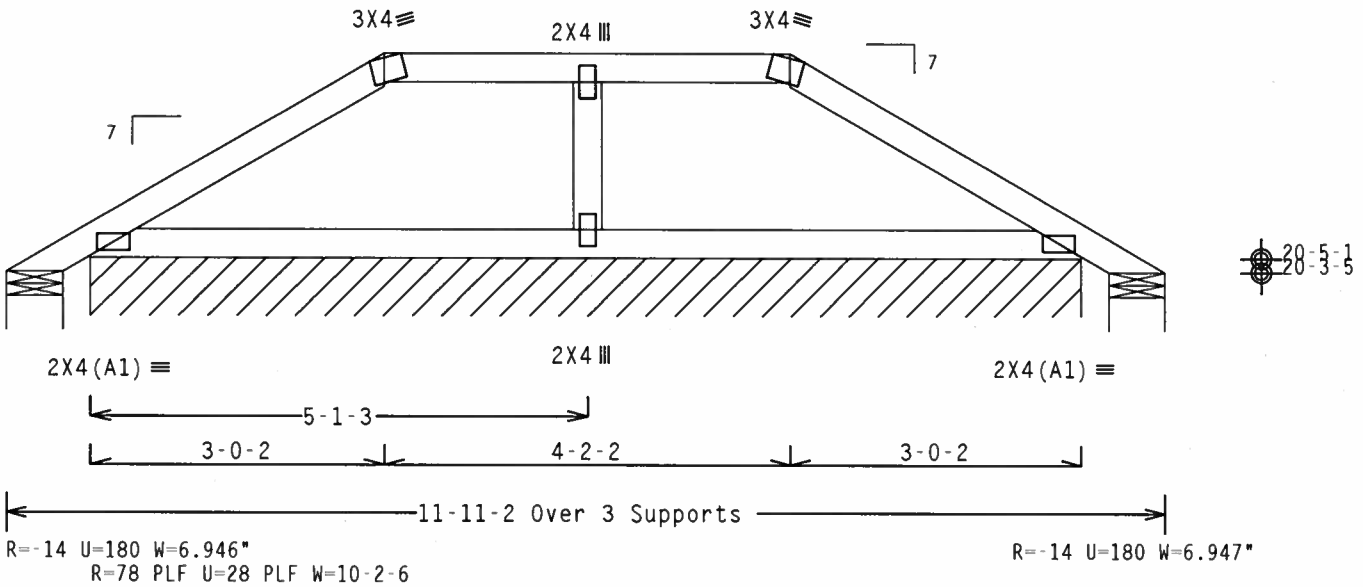
The overall height of this truss excluding overhang is 2-3-2.

REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

110 mph wind, 21.41 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/240 live and L/180 total load.

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



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

PLT TYP. Wave

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

Scale =.5"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65969
TC DL	10.0 PSF	DATE 03/21/06
BC DL	2.0 PSF	DRW HCUSR215 06080111
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN- 19015
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - H5A)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W8 2x4 SP SS:

Left end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

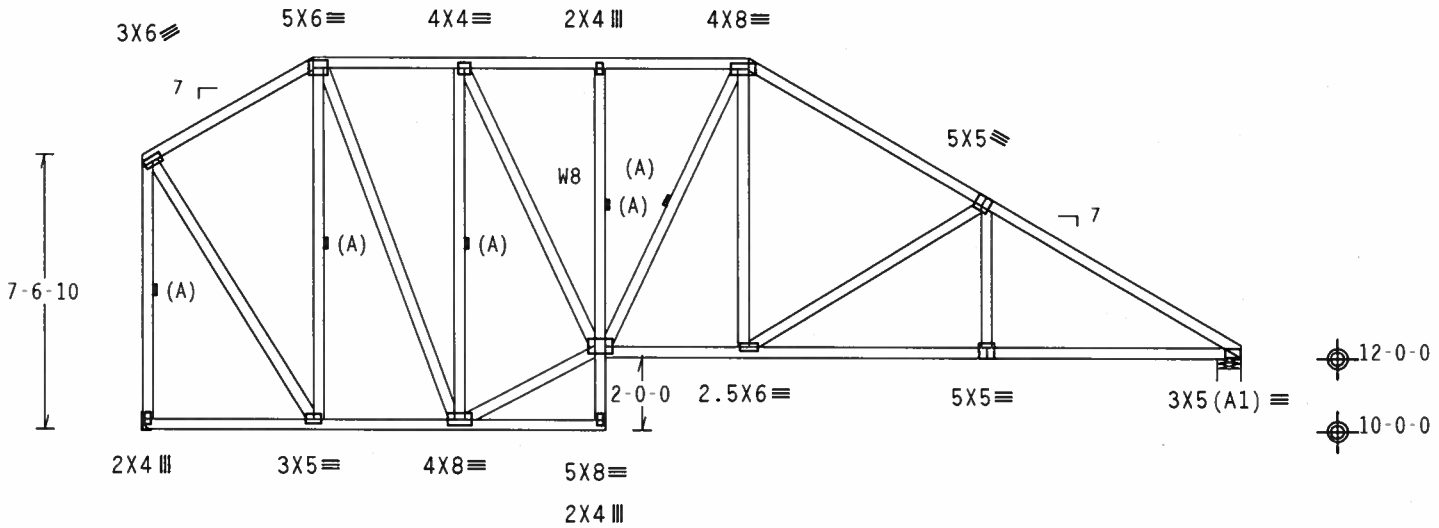
(A) scab brace. 80% length of web member. Same size, species & grade or better. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

110 mph wind, 16.32 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.

(A) Continuous lateral bracing equally spaced on member.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 16

PLT TYP. Wave

QTY:4 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

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

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

Mar 22, 2006

IC LL	20.0 PSF	REF	R215-- 65970
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081043
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	20889 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - H6A)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

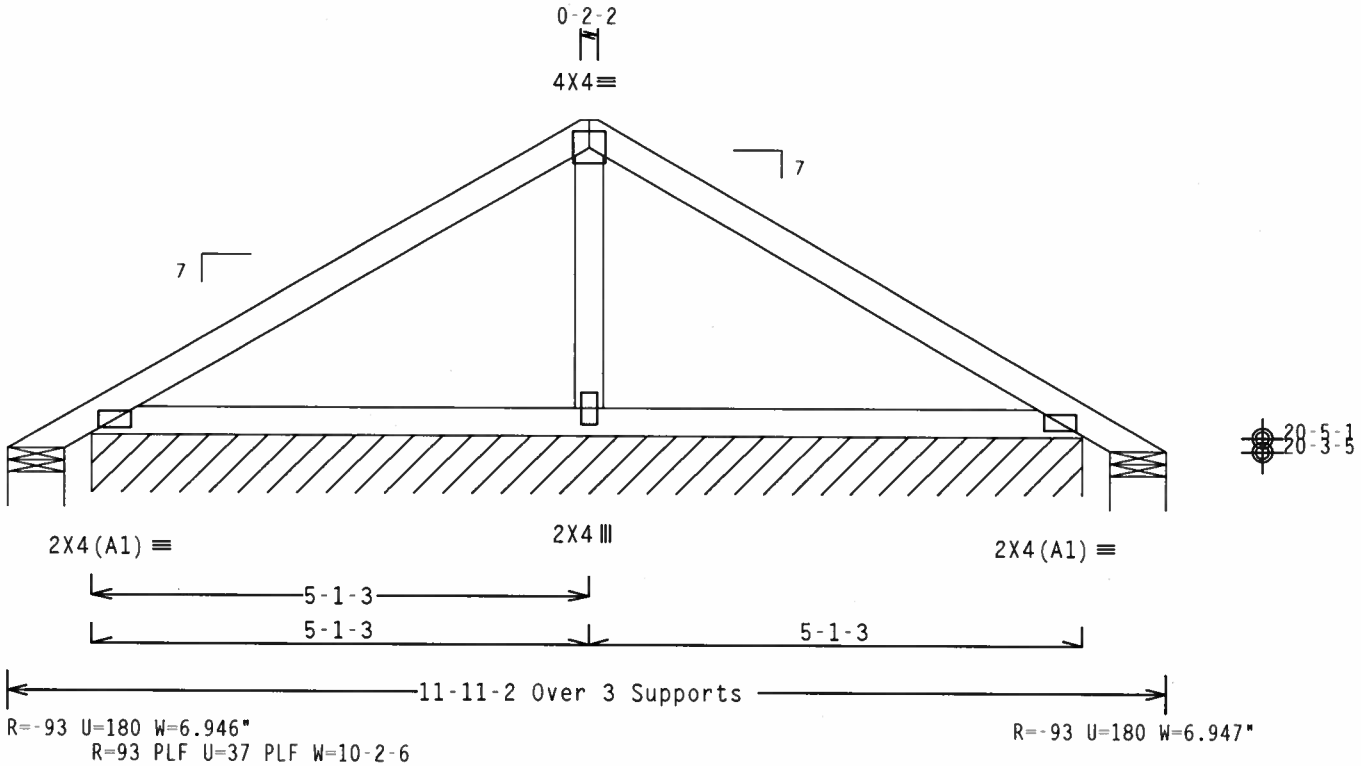
Plates sized for a minimum of 3.00 sq.in./piece.

REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

110 mph wind, 21.99 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 3-5-2.



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

PLT TYP. Wave

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

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JAMES F. COLLINS JR. LICENSE No.52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 '06

TC LL	20.0 PSF	REF R215-- 65971
TC DL	10.0 PSF	DATE 03/21/06
BC DL	2.0 PSF	DRW HCUSR215 06080112
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN- 19010
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

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

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

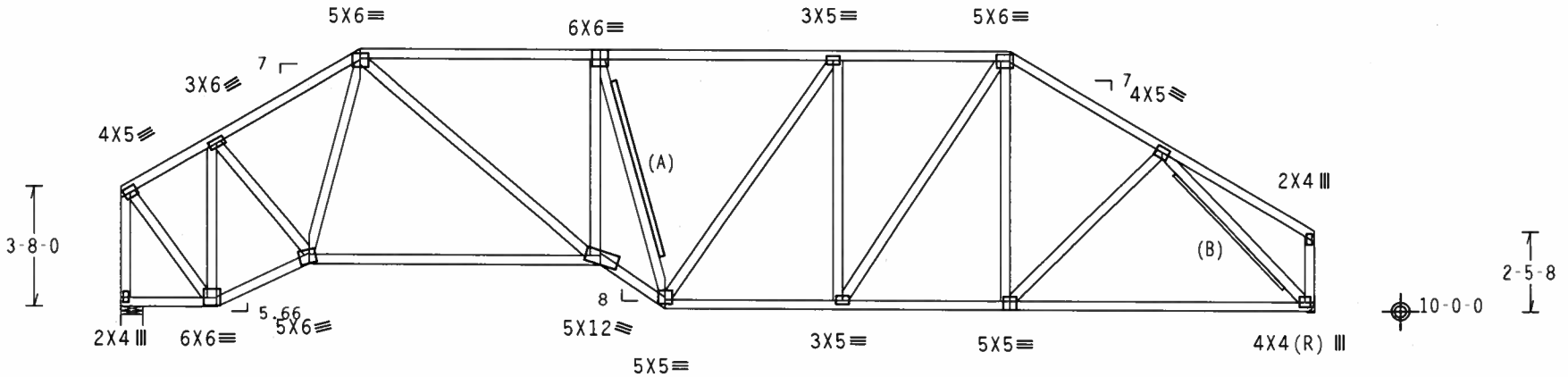
The overall height of this truss excluding overhang is 7-11-5.

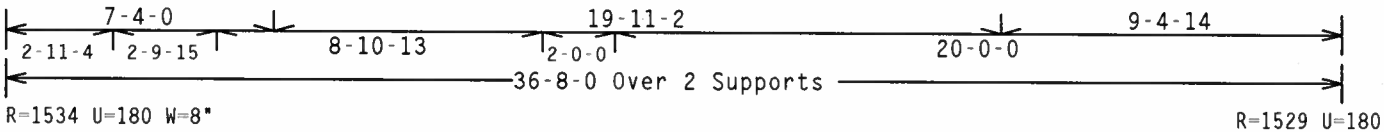
110 mph wind, 15.20 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65972
TC DL	10.0 PSF	DATE	03/21/06
BC DL	10.0 PSF	DRW	HCUSR215 06080113
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	18986
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

Top chord 2x4 SP #2 :T5 2x4 SP SS:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W17 2x4 SP #2:
:Rt Bearing Leg 2x4 SP #3:

Left end vertical not exposed to wind pressure.

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

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

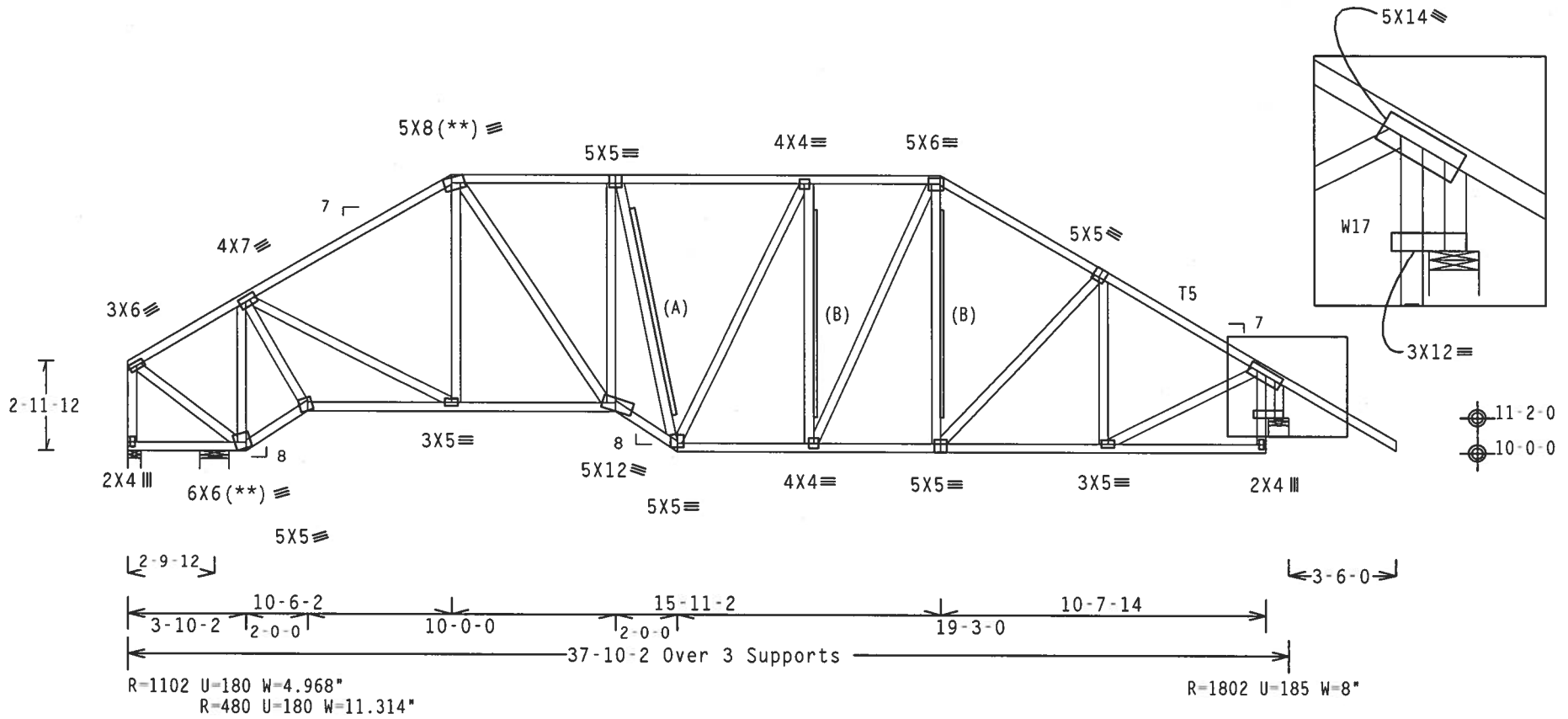
Plates sized for a minimum of 3.00 sq.in./piece.

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.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

Top chord overhangs have been checked only for loads as indicates. Overhangs not checked for man loads or long-term deflection.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 [illegible] QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

Mar 22 [illegible]

TC LL	20.0 PSF	REF R215-- 65973
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081048
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 20905 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

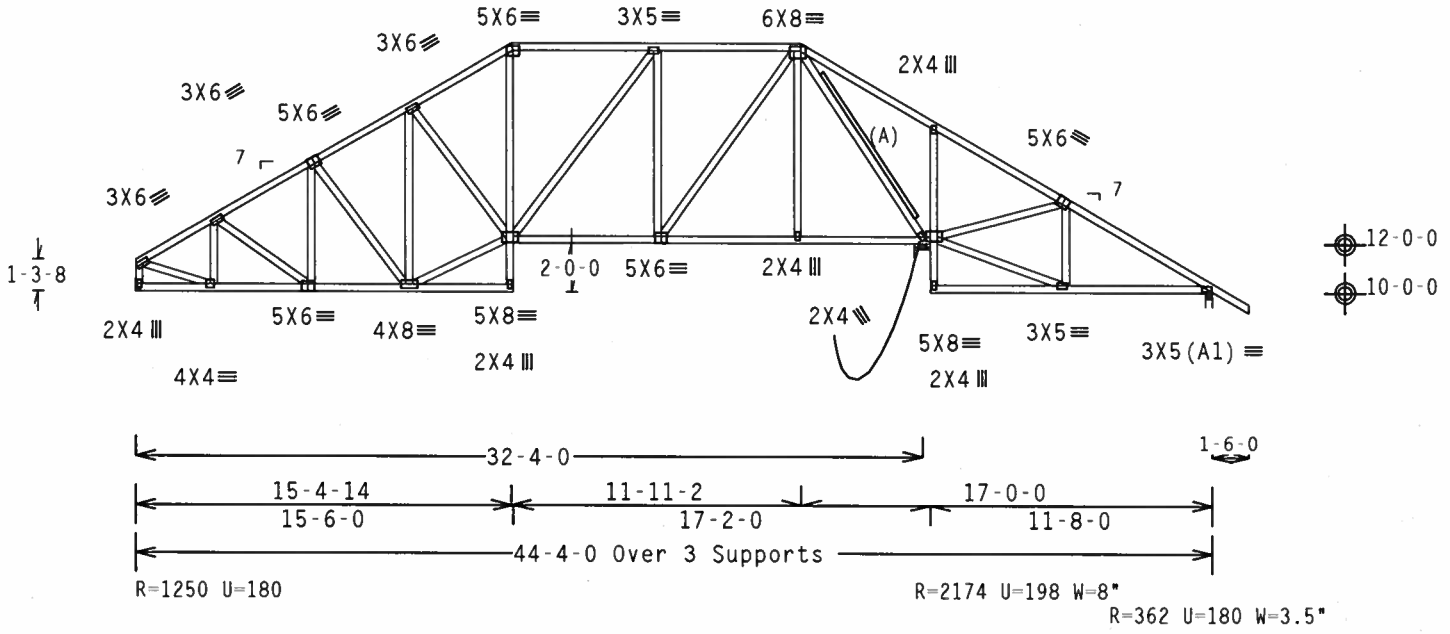
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

Deflection meets L/240 live and L/180 total load.

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



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

PLT TYP. Wave

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

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Haines City, FL 33844
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JAMES F. COLLINS JR. LICENSE No. 52272 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65974
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080114
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19104 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

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

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

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

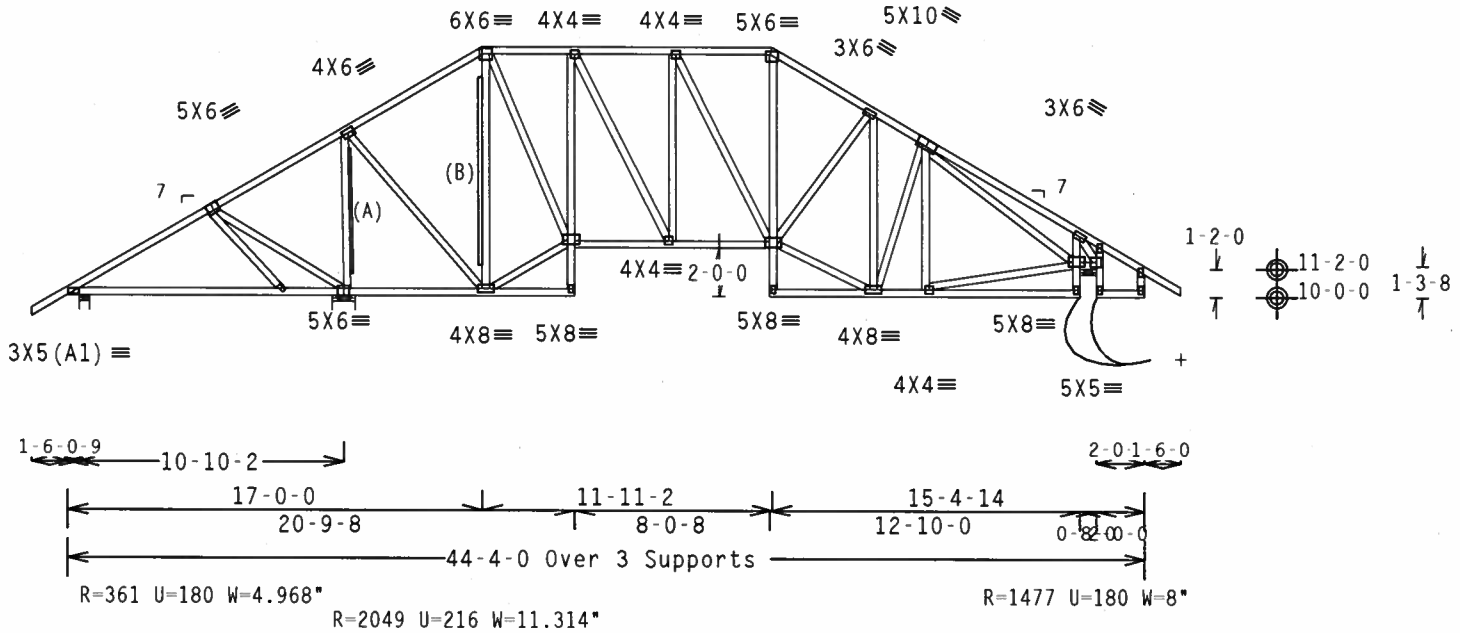
+SHIM ALL SUPPORTS TO SOLID BEARING.

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.

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.1

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

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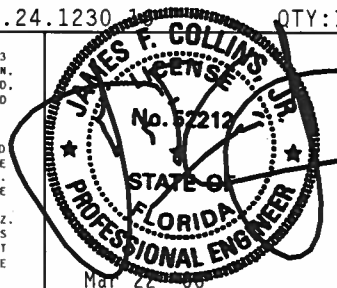


TC LL	20.0 PSF	REF R215-- 65975
TC DL	10.0 PSF	DATE 03/21/06
BC DL	10.0 PSF	DRW HCUSR215 06080115
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19151
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

Top chord 2x6 SP #2 N :T1, T5 2x4 SP #2 N:
Bot chord 2x6 SP #2 N :B3 2x6 SP SS:
Webs 2x4 SP #2 N

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

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

Deflection meets L/240 live and L/180 total load.

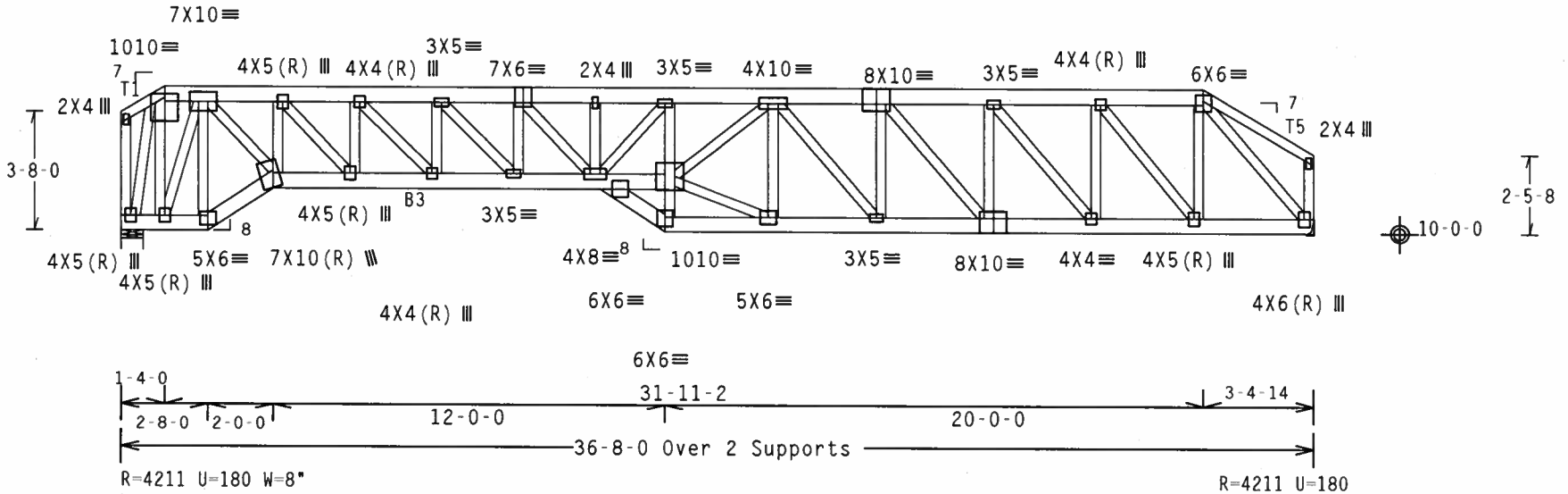
The overall height of this truss excluding overhang is 4-5-5.

2 COMPLETE TRUSSES REQUIRED

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

#1 hip supports 7-0-0 jacks at left side and 1-0-0 jacks at right side W/2 panel TC and no end vert and 2-0-0 split load TC\BC at opposite face.

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



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

ALPINE
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Haines City, FL 33844
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JAMES F. COLLINS LIC. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65976
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081050
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19249
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

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

++Negative reaction(s) of -208# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 20.72 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/240 live and L/180 total load.

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

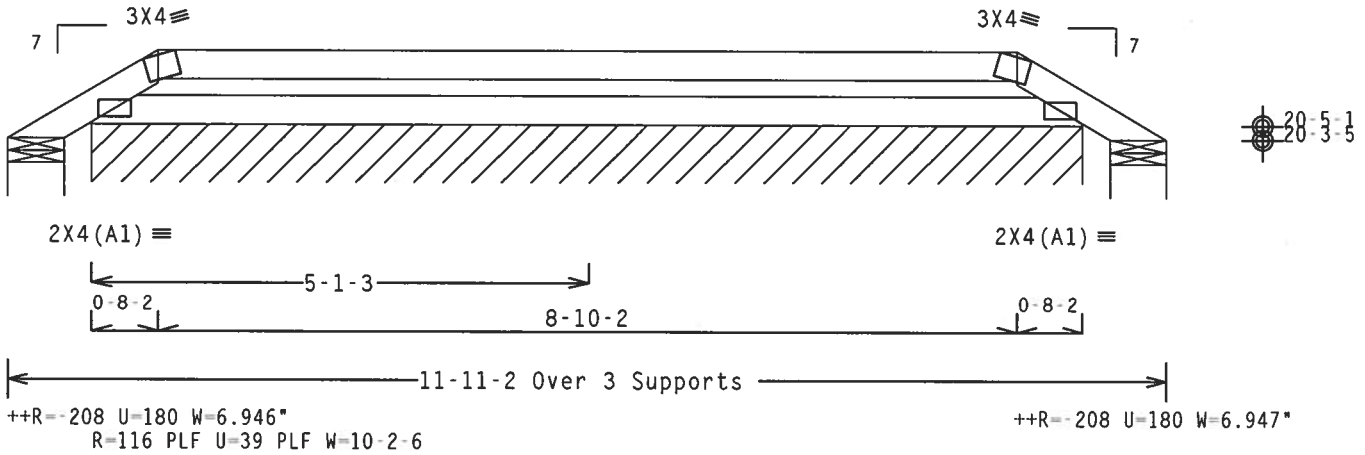
REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

2 COMPLETE TRUSSES REQUIRED

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

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

The overall height of this truss excluding overhang is 0-10-13.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65977
TC DL	10.0 PSF	DATE 03/22/06
BC DL	2.0 PSF	DRW HCUSR215 06081051
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN- 19017
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

Top chord 2x4 SP #2 N :T2 2x6 SP #2 N:
Bot chord 2x6 SP #2 N :B2 2x6 SP SS:
Webs 2x4 SP #2 N

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 31.67
BC - From 20 PLF at 0.00 to 20 PLF at 31.38
BC - 2398 LB Conc. Load at 19.25

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

Deflection meets L/240 live and L/180 total load.

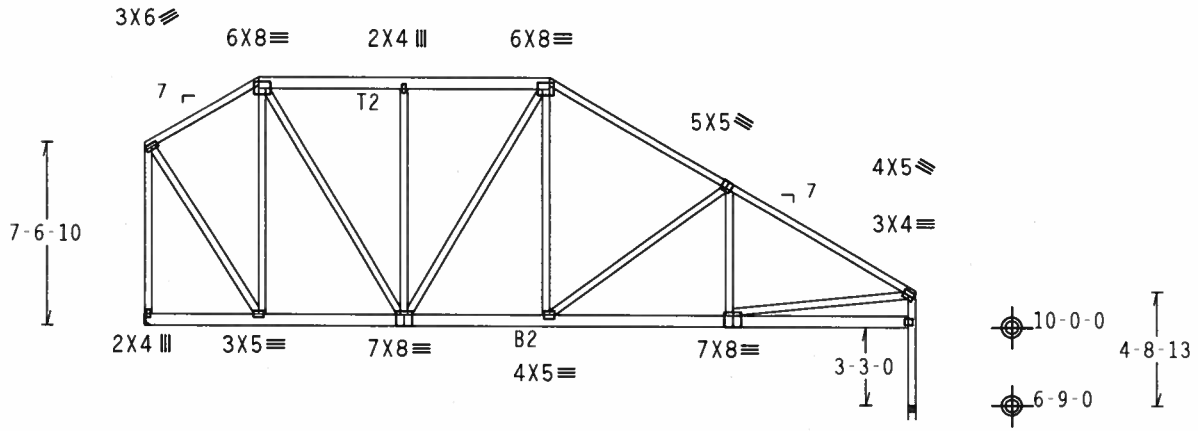
The overall height of this truss excluding overhang is 10-3-5.

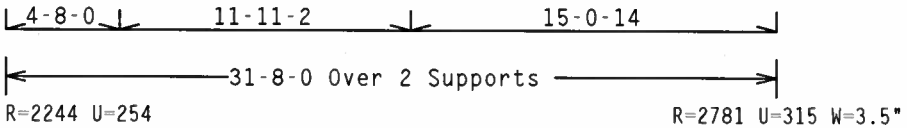
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Row @ 3.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.88 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
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JAMES F. COLLINS JR. LICENSED No. 52712 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65978
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081044
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19298
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

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

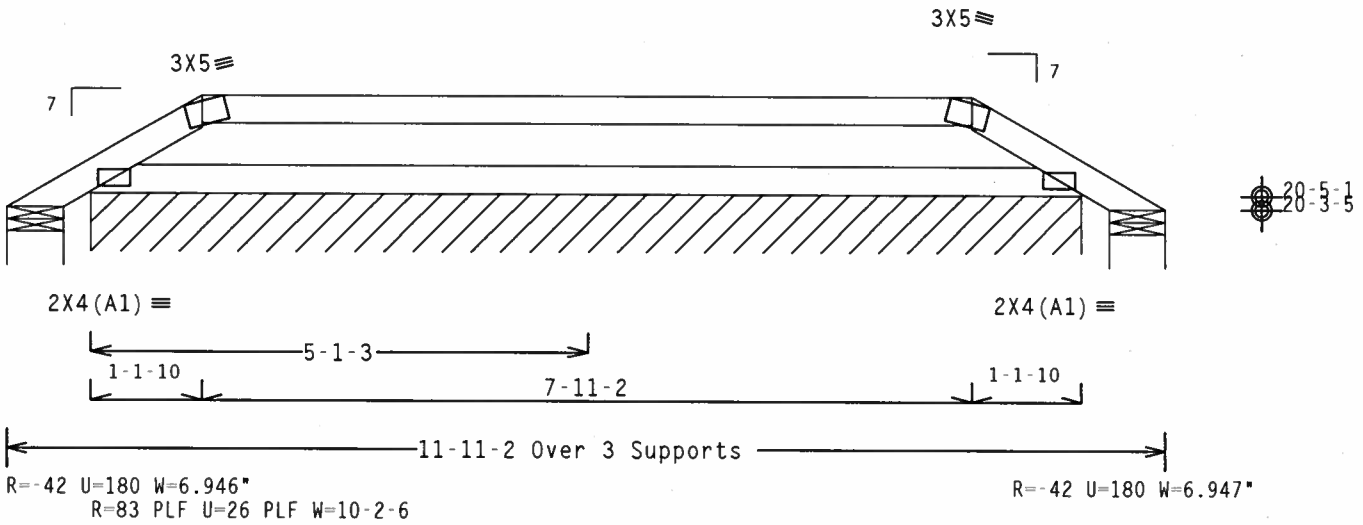
Plates sized for a minimum of 3.00 sq.in./piece.

REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

110 mph wind, 20.86 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 1-2-0.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230 16 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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JAMES F. COLLINS JR. LICENSE NO. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22, 2006

TC LL	20.0 PSF	REF	R215-- 65979
TC DL	10.0 PSF	DATE	03/22/06
BC DL	2.0 PSF	DRW	HCUSR215 06081052
BC LL	0.0 PSF		HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN-	19001
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B1, B2 2x4 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #2 N

(A) 1x4 #3 or better "T" 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.

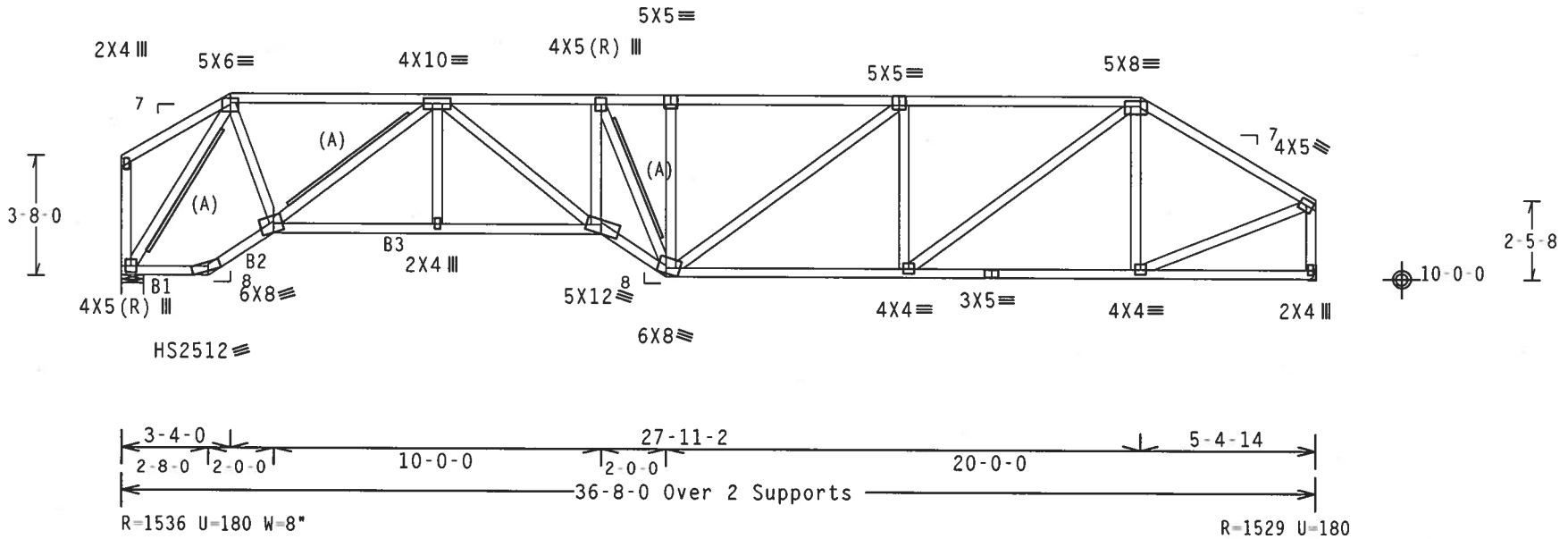
Plates sized for a minimum of 3.00 sq.in./piece.

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

Calculated horizontal deflection is 0.18" due to live load and 0.20" due to dead load.

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

The overall height of this truss excluding overhang is 5-7-5.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE

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FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65980
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081053
BC LL	0.0 PSF		HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN-	18982
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - H4B)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

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

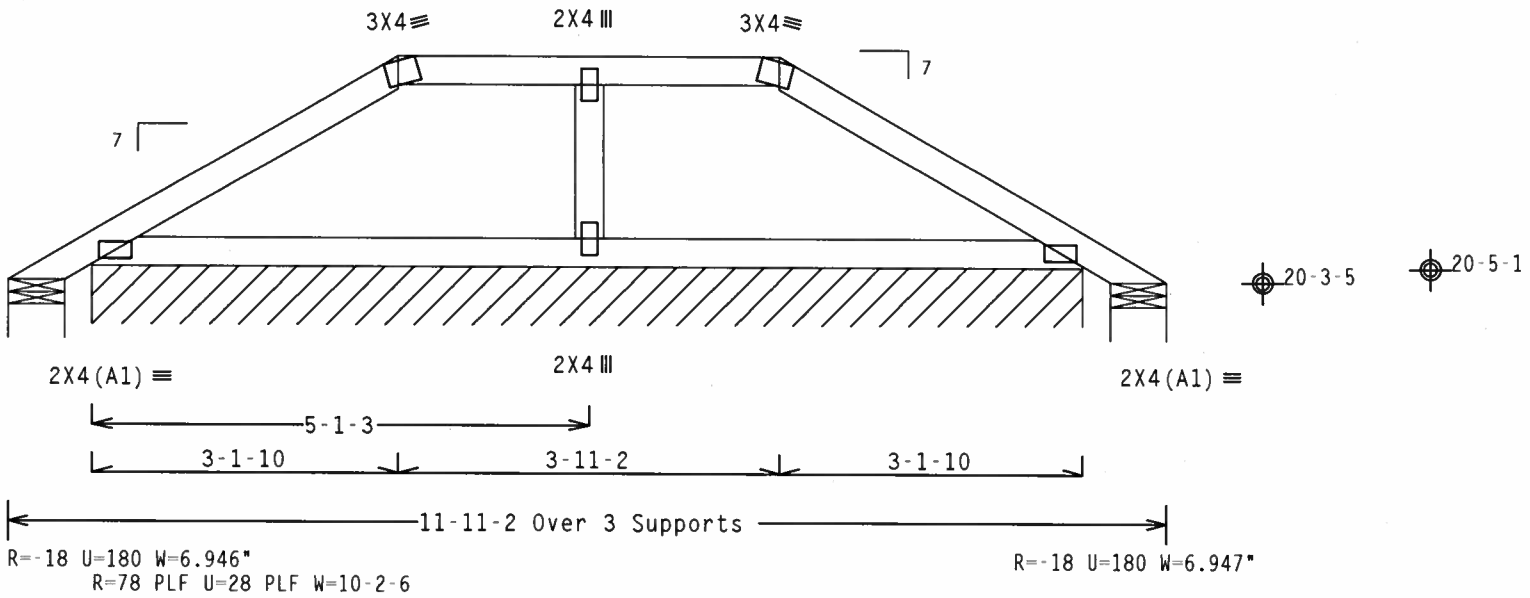
The overall height of this truss excluding overhang is 2-4-0.

REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

110 mph wind, 21.44 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/240 live and L/180 total load.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

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

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

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65981
TC DL	10.0 PSF	DATE 03/22/06
BC DL	2.0 PSF	DRW HCUSR215 06081054
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN- 18999
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

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

(C) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

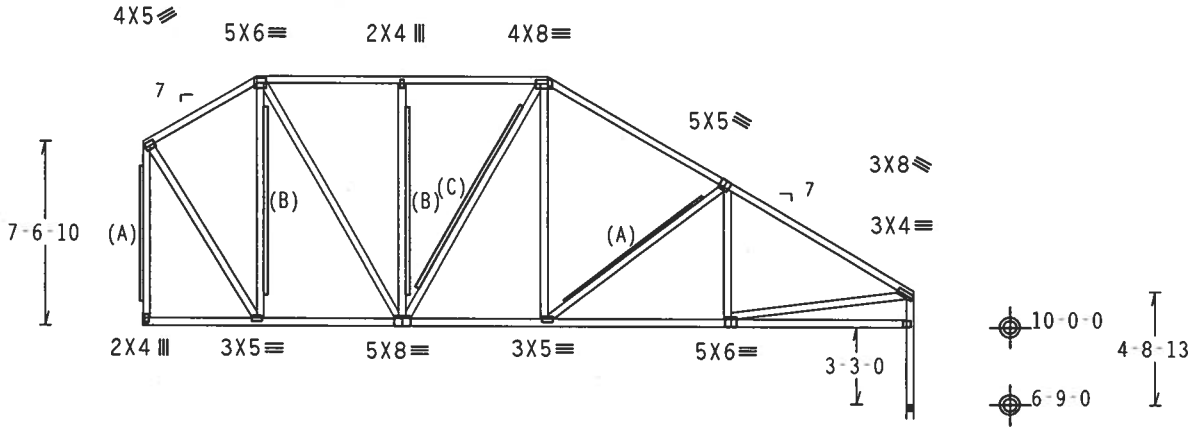
The overall height of this truss excluding overhang is 10-3-5.

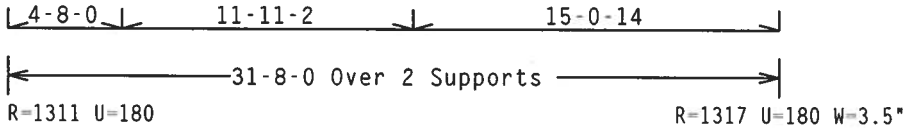
110 mph wind, 15.88 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:2 FL/-/5/-/-/R/- Scale =.125"/Ft.

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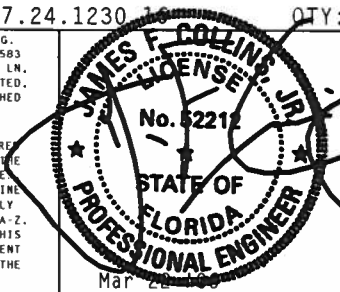


Mar 22, 2006

TC LL	20.0 PSF	REF R215-- 65982
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081055
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 18943
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

Top chord 2x4 SP #2 :T5 2x4 SP SS:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W17 2x4 SP #1 N:
:Rt Bearing Leg 2x4 SP #3:

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

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

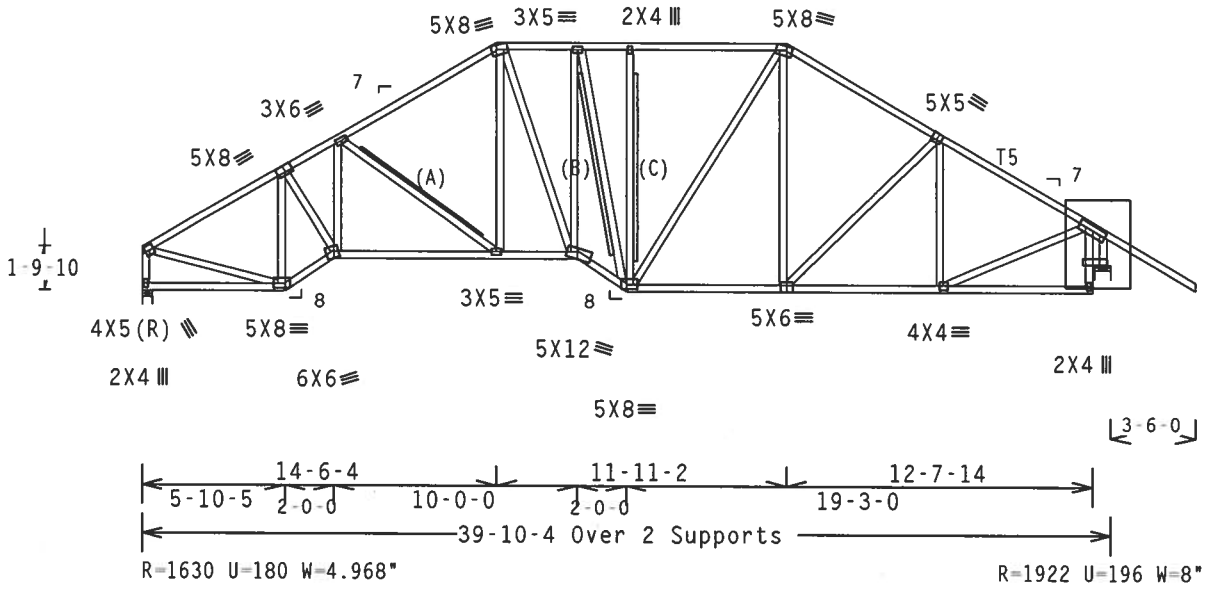
Plates sized for a minimum of 3.00 sq.in./piece.

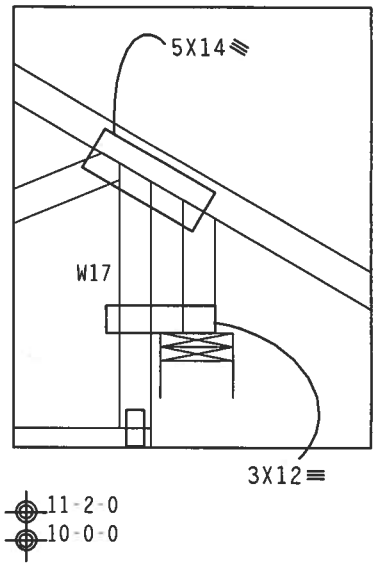
110 mph wind, 15.34 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(C) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Top chord overhangs have been checked only for loads as indicates. Overhangs not checked for man loads or long-term deflection.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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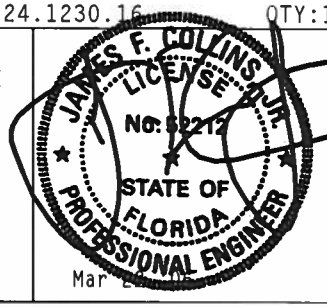
Haines City, FL 33844
FL Certificate of Authorization # 567

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

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



TC LL	20.0 PSF	REF	R215-- 65983
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081068
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	20921 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

Top chord 2x4 SP #2 N :T4, T5 2x6 SP #2 N:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

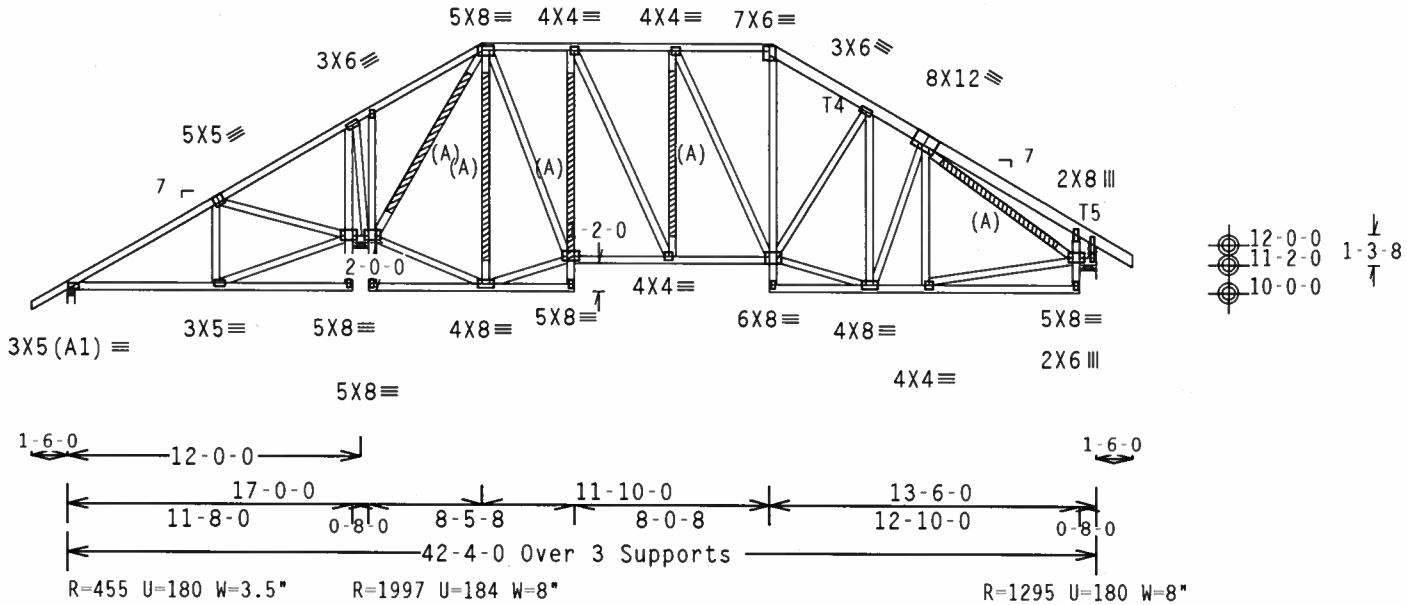
Deflection meets L/240 live and L/180 total load.

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

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

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

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.1

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

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

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JAMES E COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65984
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081056
BC LL	0.0 PSF		HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19145
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

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

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

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

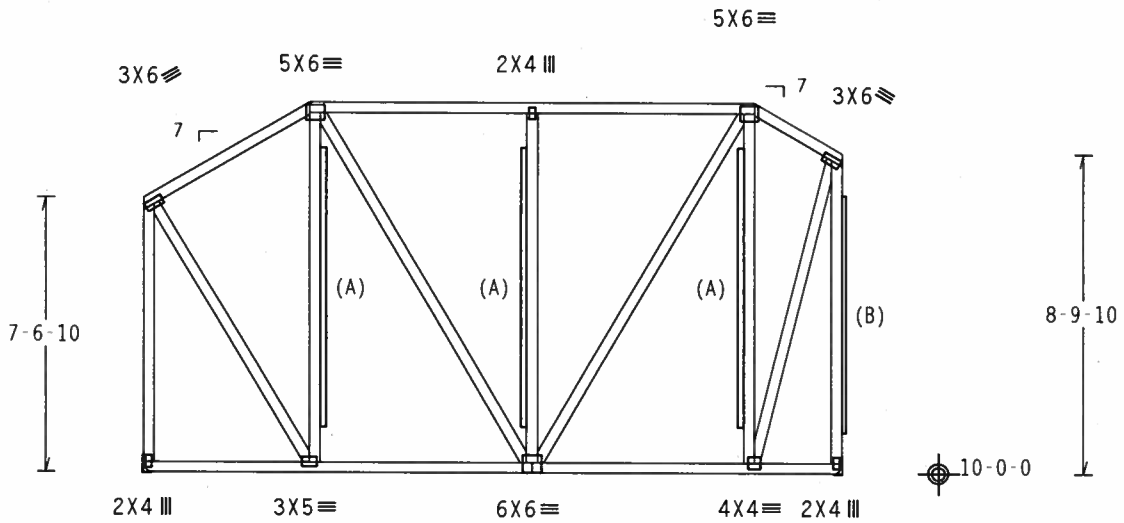
The overall height of this truss excluding overhang is 10-2-7.

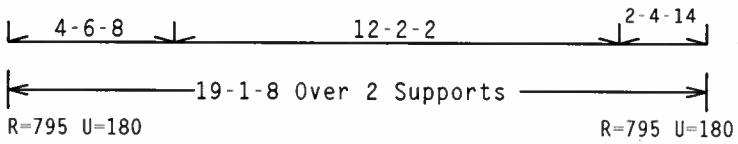
110 mph wind, 18.88 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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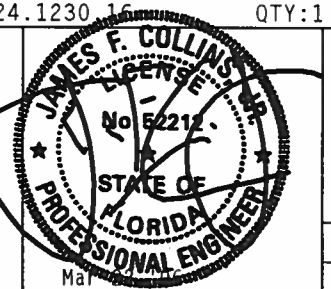


Ma

TC LL	20.0 PSF	REF	R215-- 65985
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081005
BC LL	0.0 PSF	HC-ENG	RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19076
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

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

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

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

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

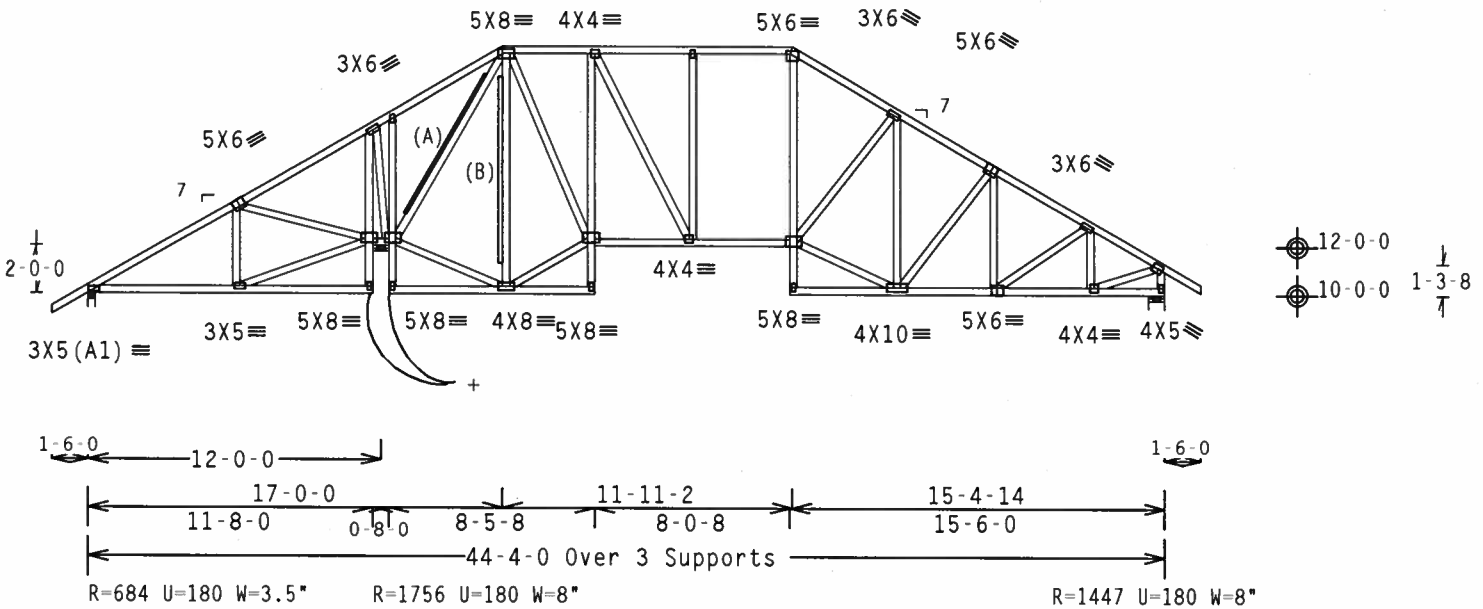
+SHIM ALL SUPPORTS TO SOLID BEARING.

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.

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.10 0.1:2 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

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

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

Mar 22 06

TC LL	20.0 PSF	REF	R215-- 65986
TC DL	10.0 PSF	DATE	03/22/06
BC DL	10.0 PSF	DRW	HCUSR215 06081057
BC LL	0.0 PSF		HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN-	19117
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVP215_Z02

(3286-/ROGER RUNYON/EMRD Cv. LOT /ROGER RUNYON -- , ** - H5D)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

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

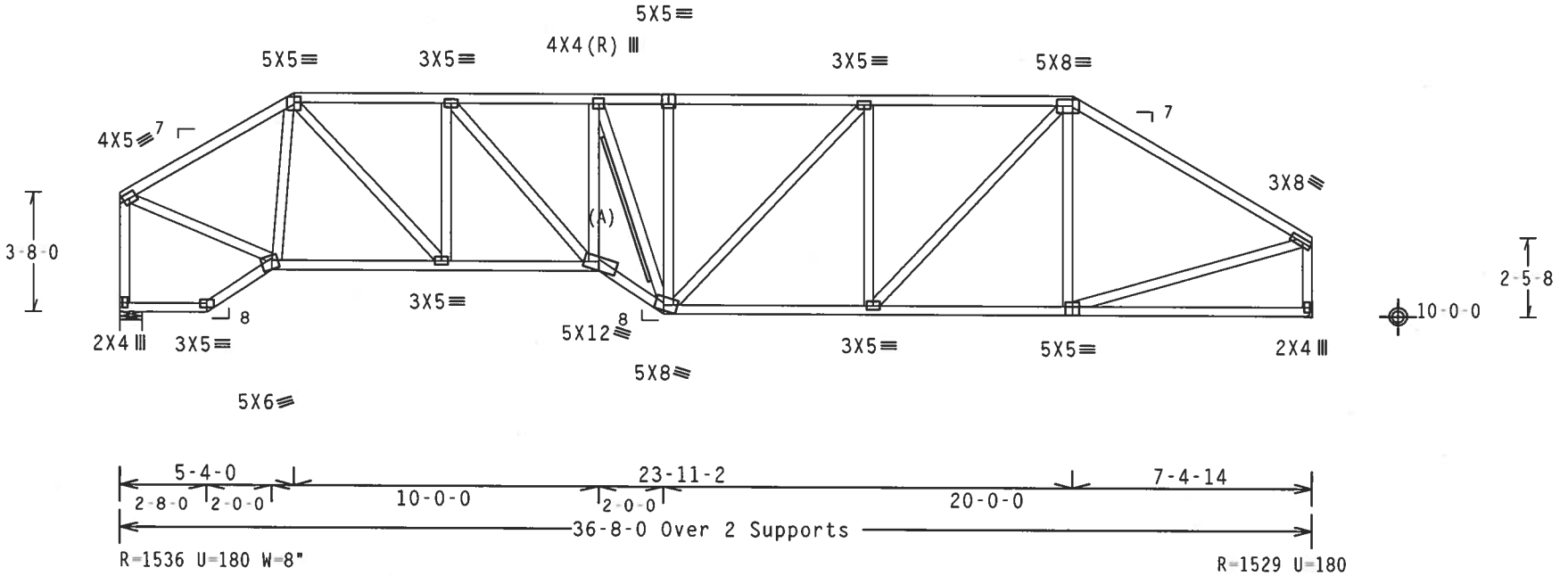
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 6-9-5.

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

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

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



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

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

JAMES E. COKING JR. LICENSE No. 52412 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 22 06

TC LL	20.0 PSF	REF R215-- 65987
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081058
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 18984
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

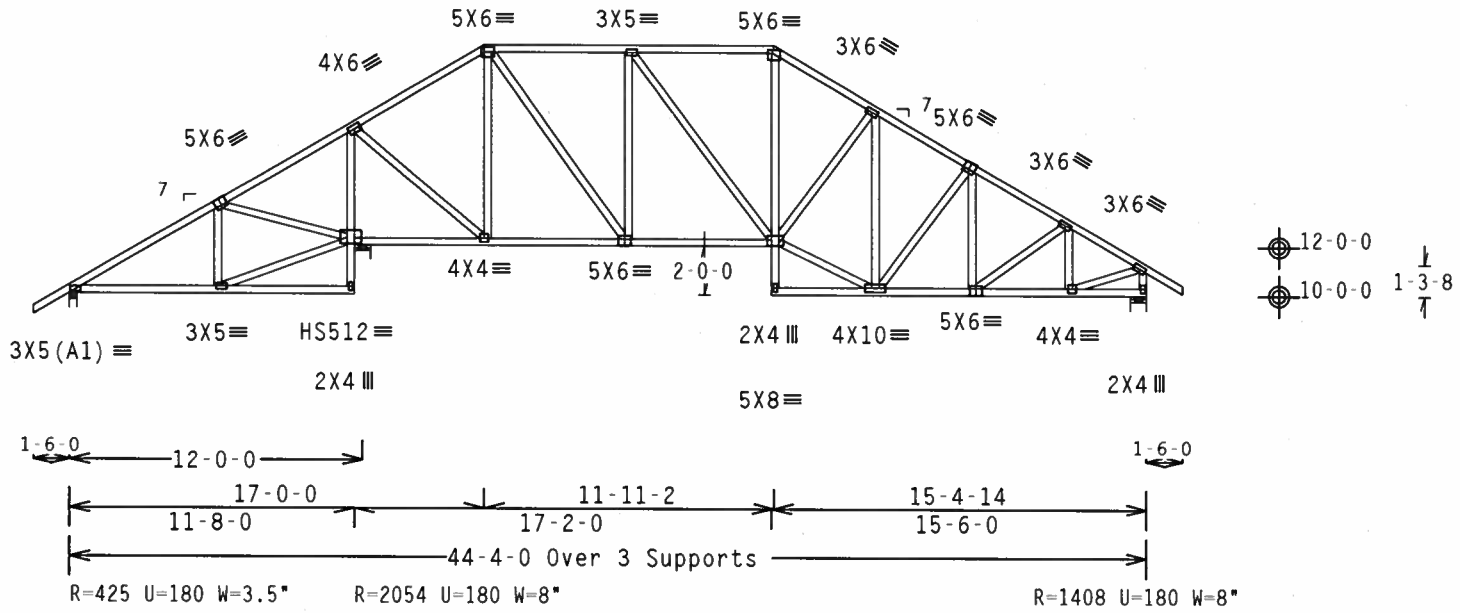
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

Deflection meets L/240 live and L/180 total load.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16

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

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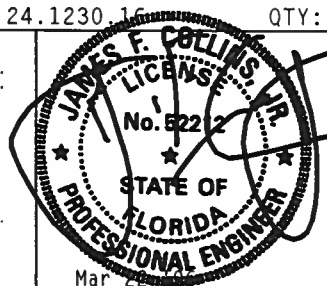


Mar 2

TC LL	20.0 PSF	REF R215-- 65988
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081059
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19110
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

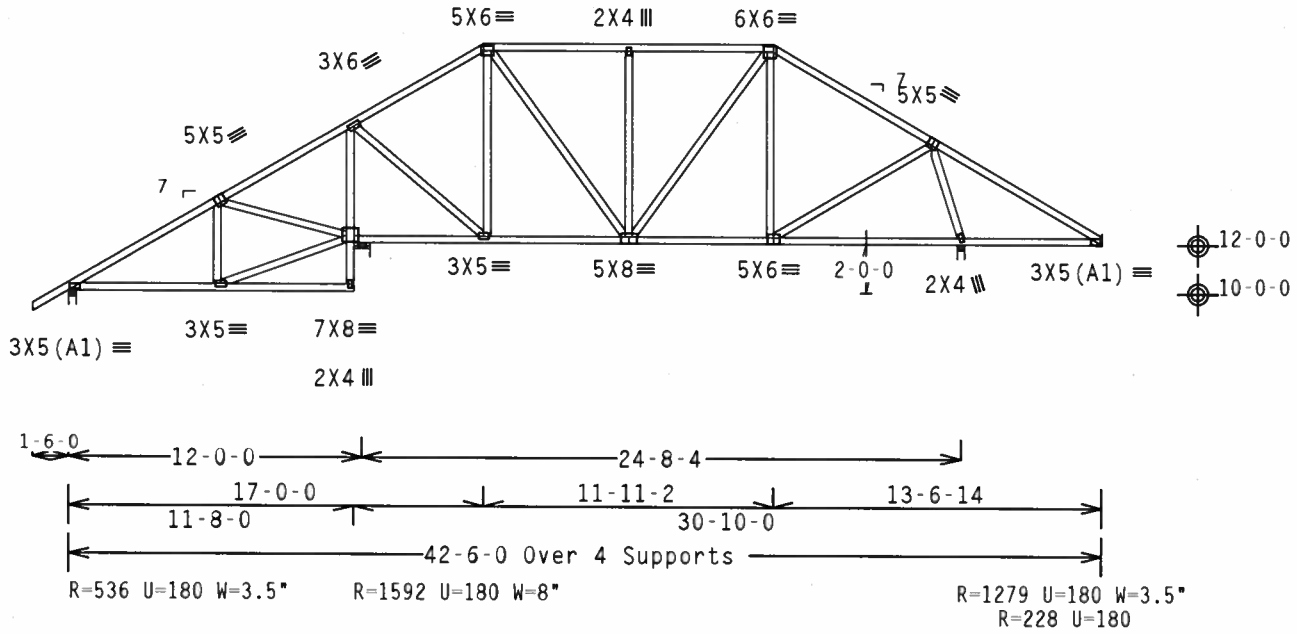
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

Deflection meets L/240 live and L/180 total load.

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



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

PLT TYP. Wave

QTY:3 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65989
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081060
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 18974
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

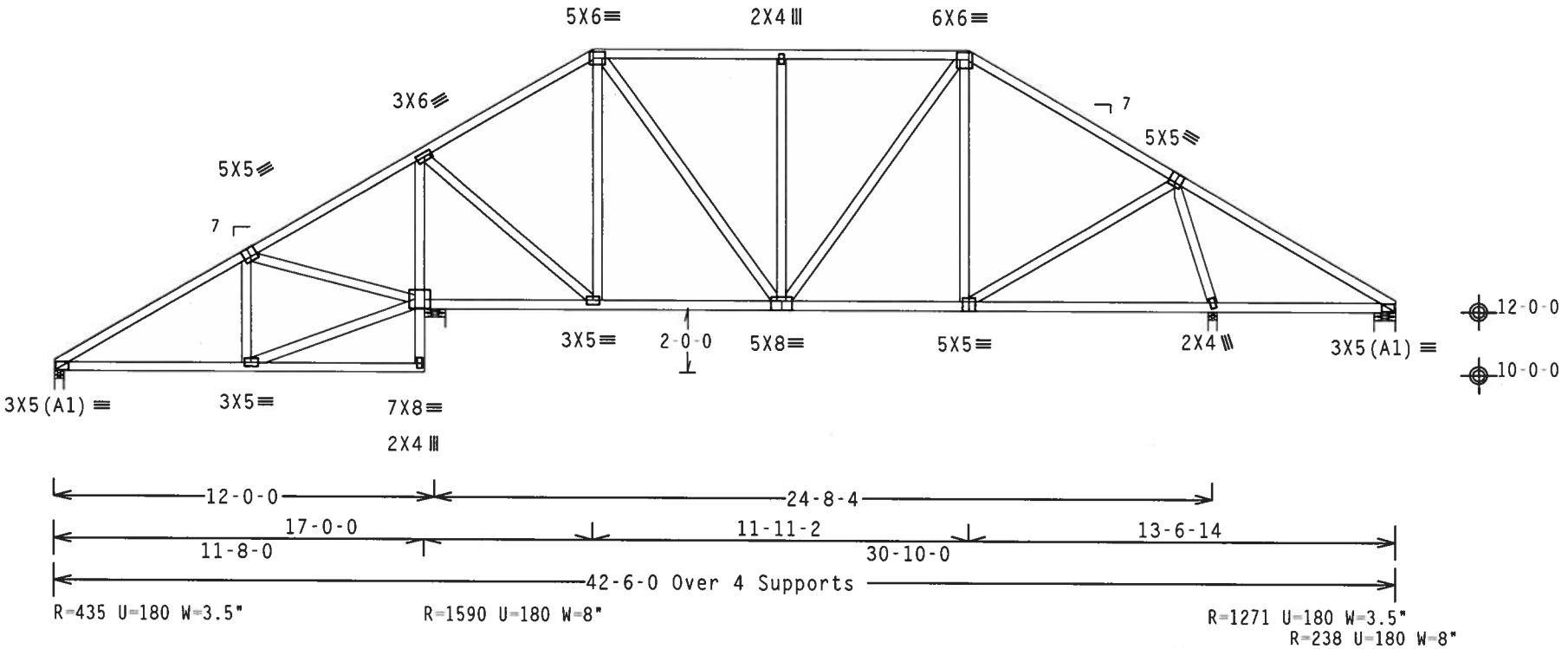
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

110 mph wind, 15.32 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.

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



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

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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JAMES P. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 '06

TC LL	20.0 PSF	REF R215-- 65990
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081061
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19095
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

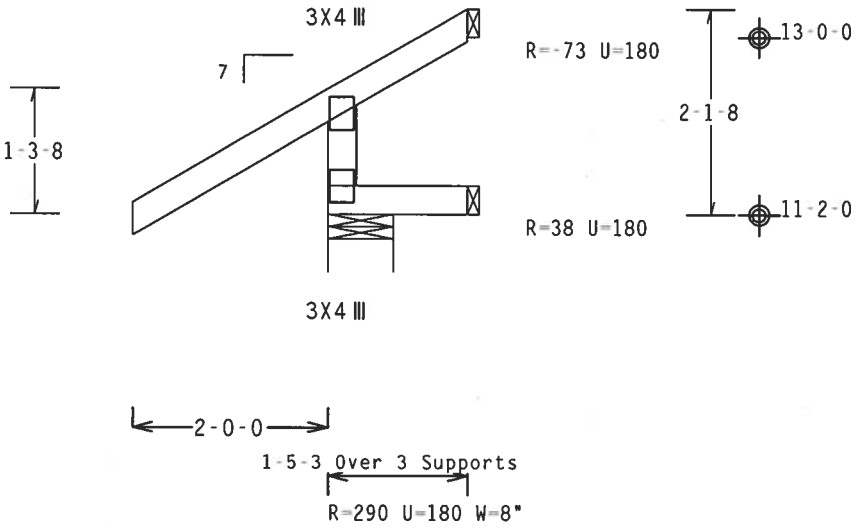
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 2-1-8.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.123 FB QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

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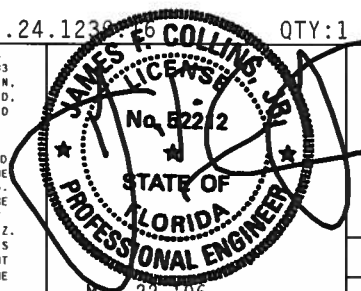


TC LL	20.0 PSF	REF R215-- 65991
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081062
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 18989
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

(A) Continuous lateral bracing equally spaced on member.

Provide for complete drainage of roof.

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

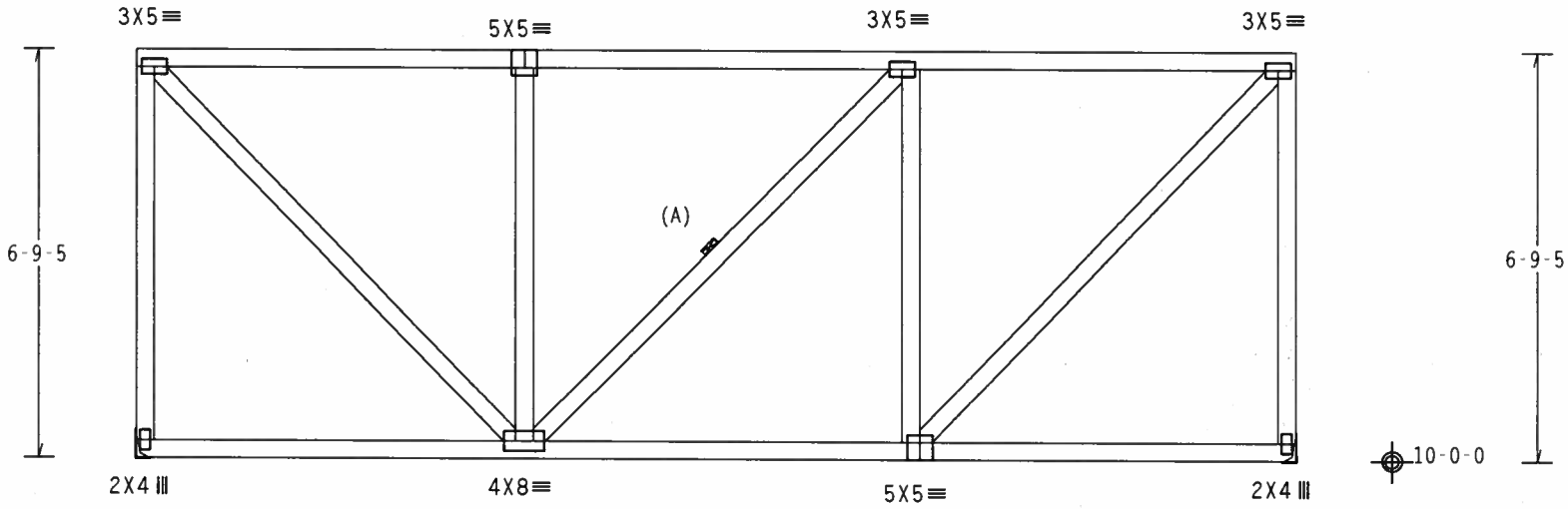
(A) scab brace. 80% length of web member. Same size, species & grade or better. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

110 mph wind, 16.78 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 6-9-5.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
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JAMES F. COLIANS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Mar 2[illegible]06

TC LL	20.0 PSF	REF R215-- 65992
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081004
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19052
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

(A) Continuous lateral bracing equally spaced on member.

Truss must be installed as shown with top chord up.

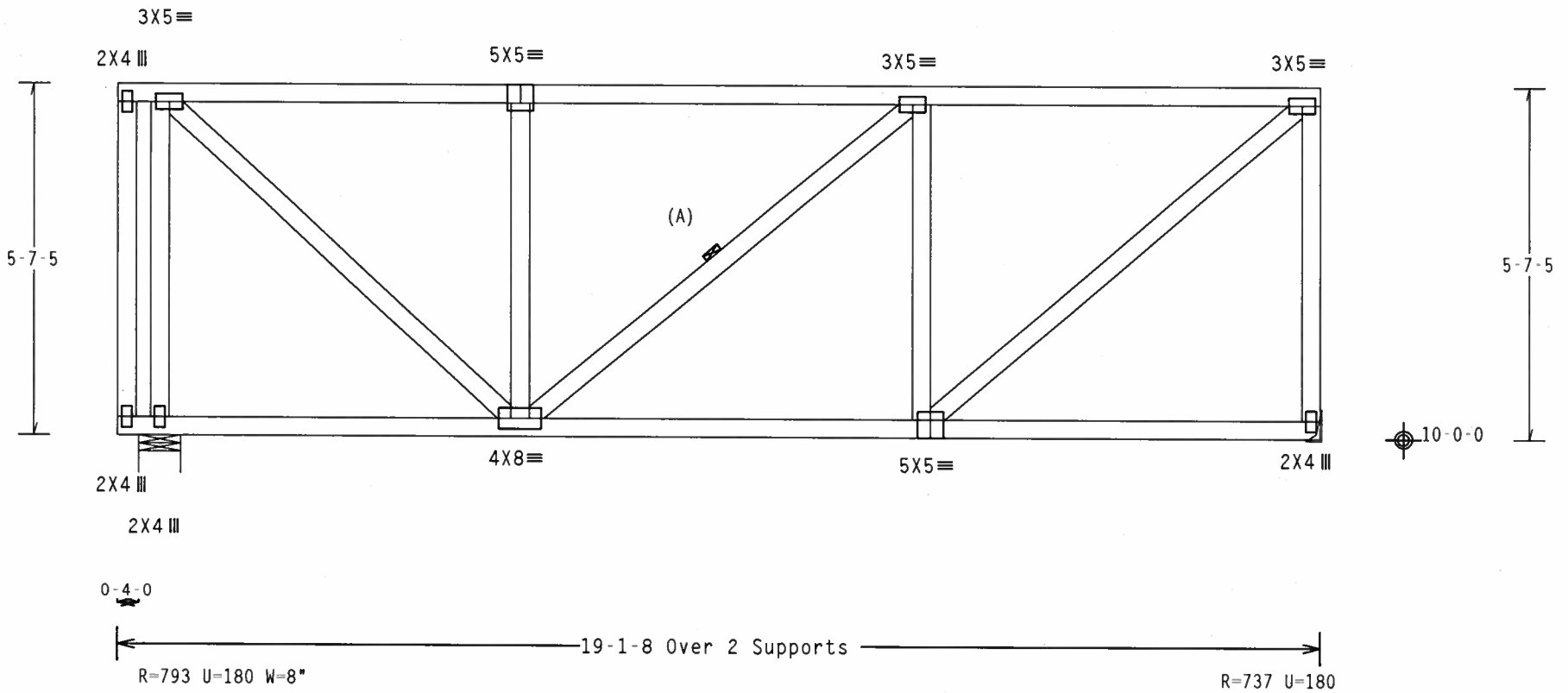
The overall height of this truss excluding overhang is 5-7-5.

(A) scab brace. 80% length of web member. Same size, species & grade or better. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

110 mph wind, 15.61 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.

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



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

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 '06

TC LL	20.0 PSF	REF R215-- 65993
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081006
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19043
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

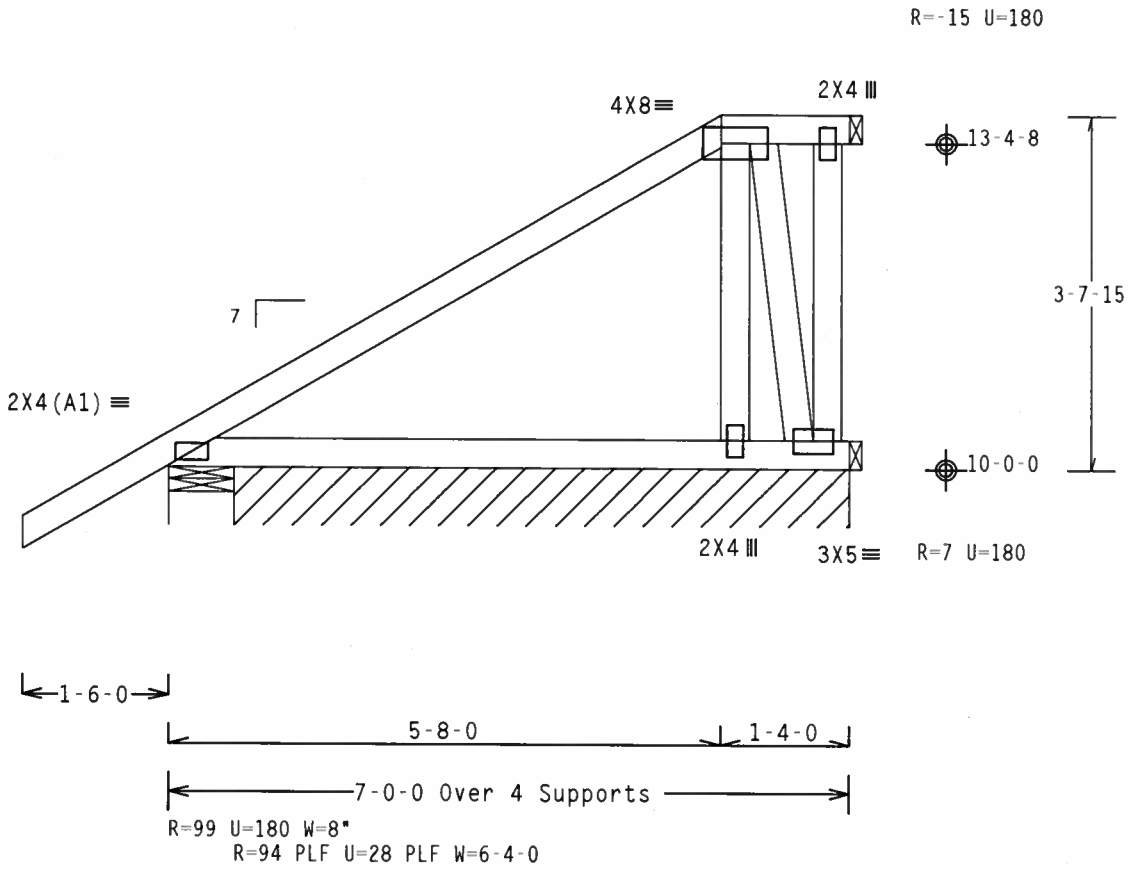
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 3-7-15.

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

Deflection meets L/240 live and L/180 total load.

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



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

PLT TYP. Wave

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

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

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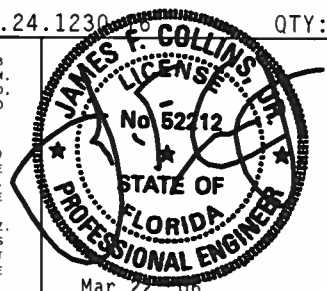


TC LL	20.0 PSF	REF R215-- 65994
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081063
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19244
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

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

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 8.67
BC - From 20 PLF at 0.00 to 20 PLF at 8.67
BC - 1529 LB Conc. Load at 1.10, 3.10, 5.10
BC - 4211 LB Conc. Load at 7.04

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.

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

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.

Laterally brace BC at 24" oc in lieu of rigid ceiling.
Laterally brace BC above filler at 24" oc.
Chord ends to be laterally braced.

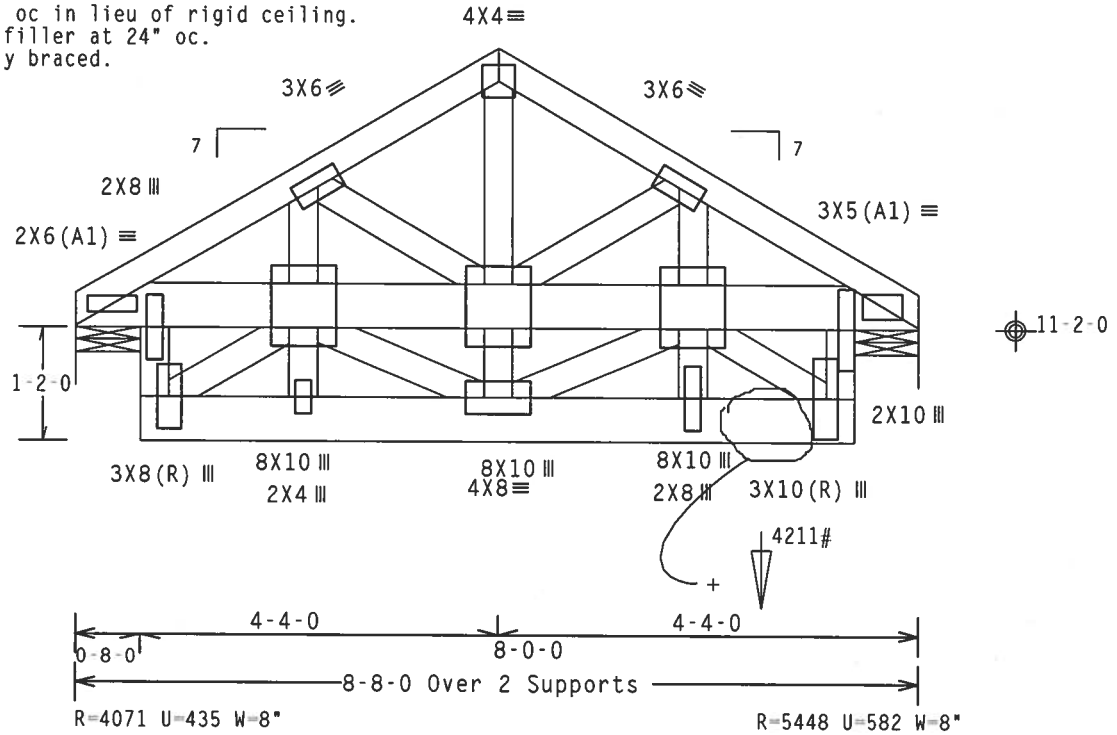
3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 3.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Deflection meets L/240 live and L/180 total load.

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

+ PROVIDE (8) 0.128" X 3.0" NAILS IN AREA OF CONCENTRATED LOAD OPPOSITE HANGER, WITHOUT SPLITTING LUMBER.



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

ALPINE
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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 06

TC LL	20.0 PSF	REF R215-- 65995
TC DL	10.0 PSF	DATE 03/22/06
BC DL	10.0 PSF	DRW HCUSR215 06081064
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 19274 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SVP215_Z02

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

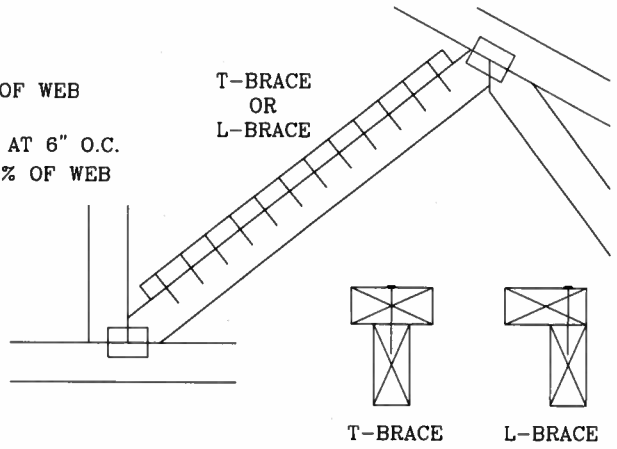
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.

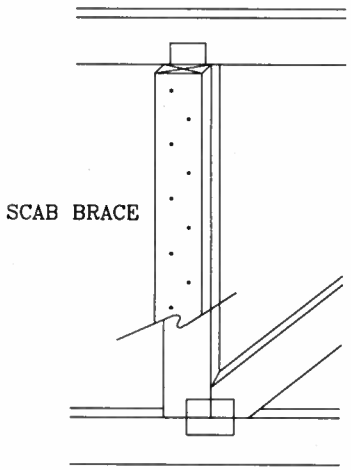
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Mar 22 '06

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

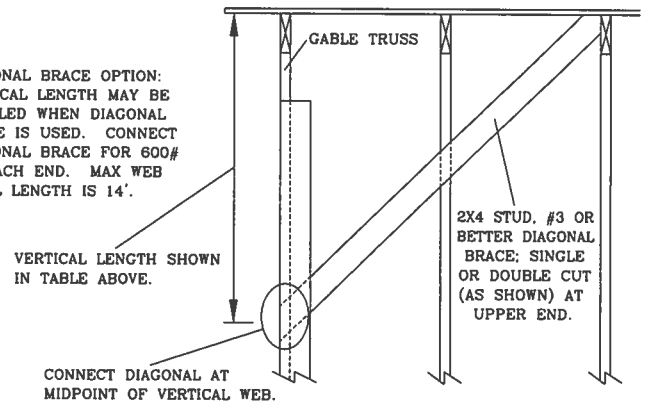
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

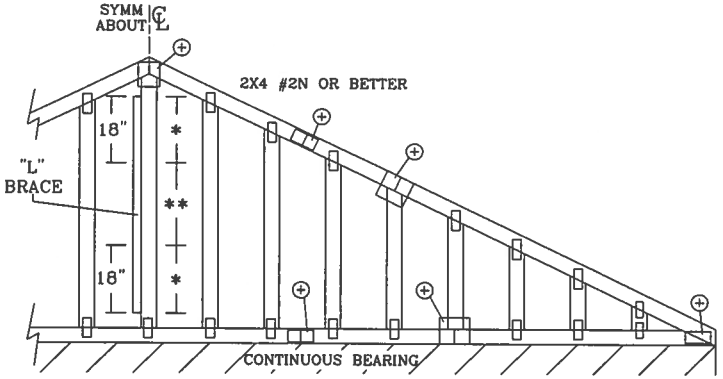
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

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.

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'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL 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.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

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

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

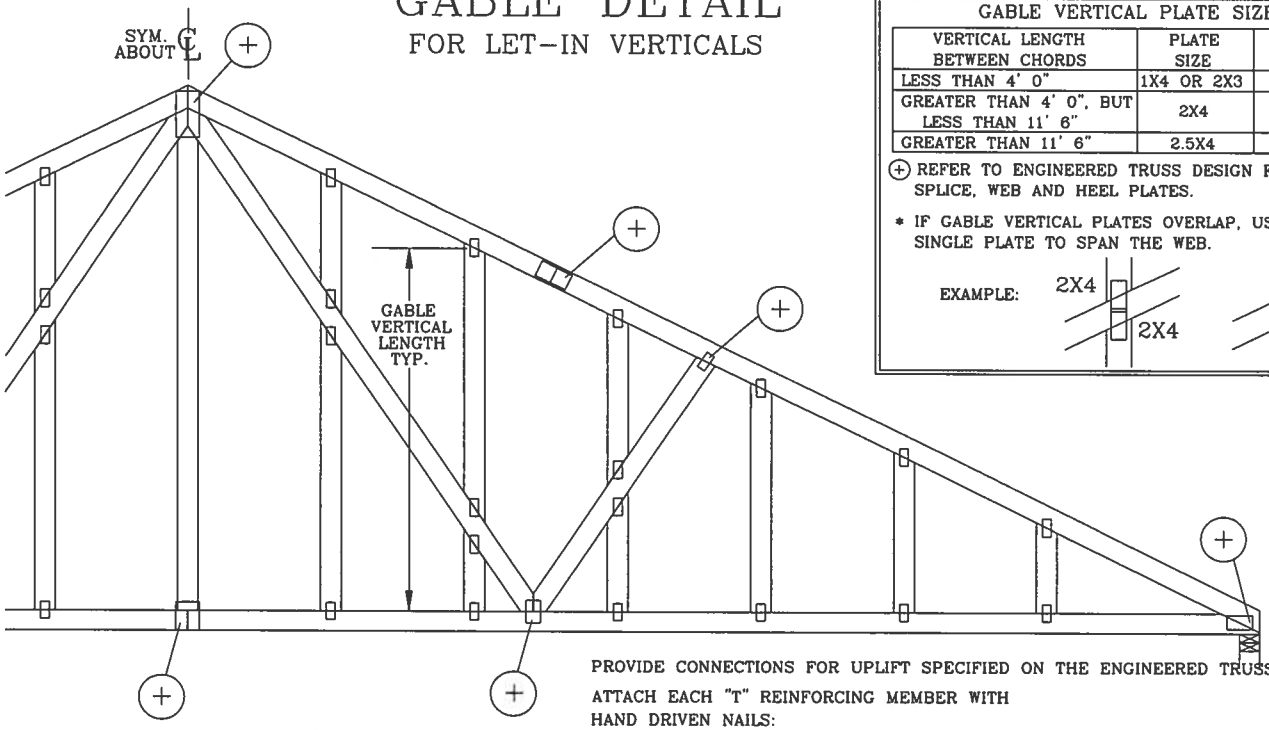
Ma 06

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	04/15/05
DRWG	A11015EE0405
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

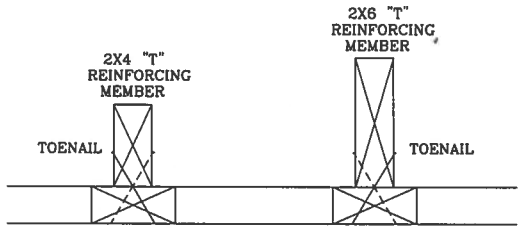


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ 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:



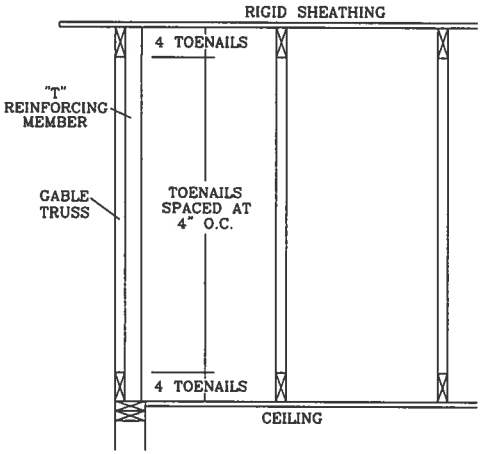
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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"



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
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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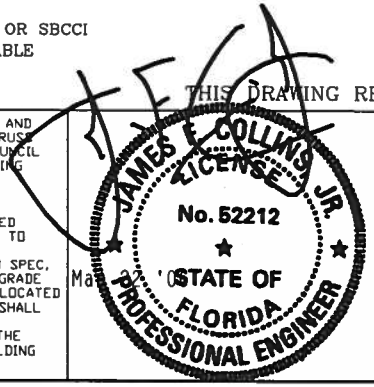


MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLLETIN0405
-ENG	DLJ/KAR

ASCE 7-93: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.05, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

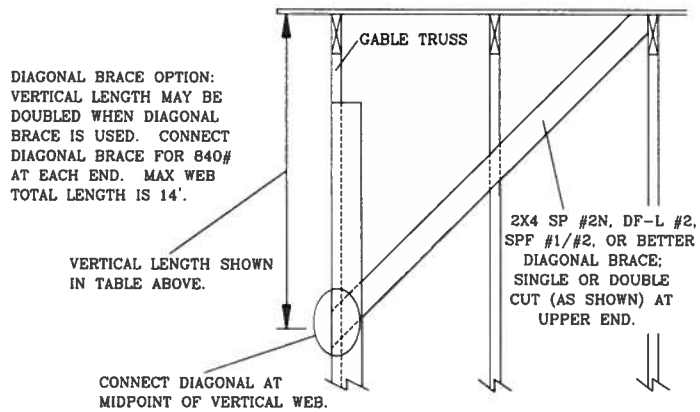
SOUTHERN PINE
#3
STUD
STANDARD

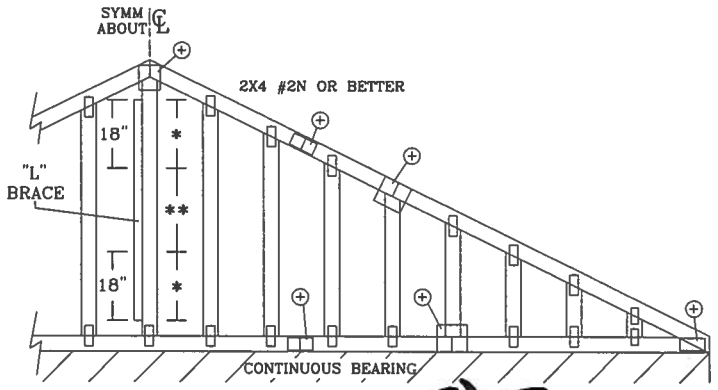
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX. GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 135 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.

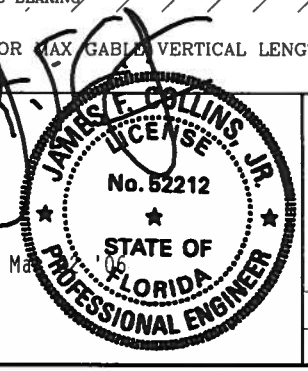
THIS DRAWING REPLACES DRAWING A11015E

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

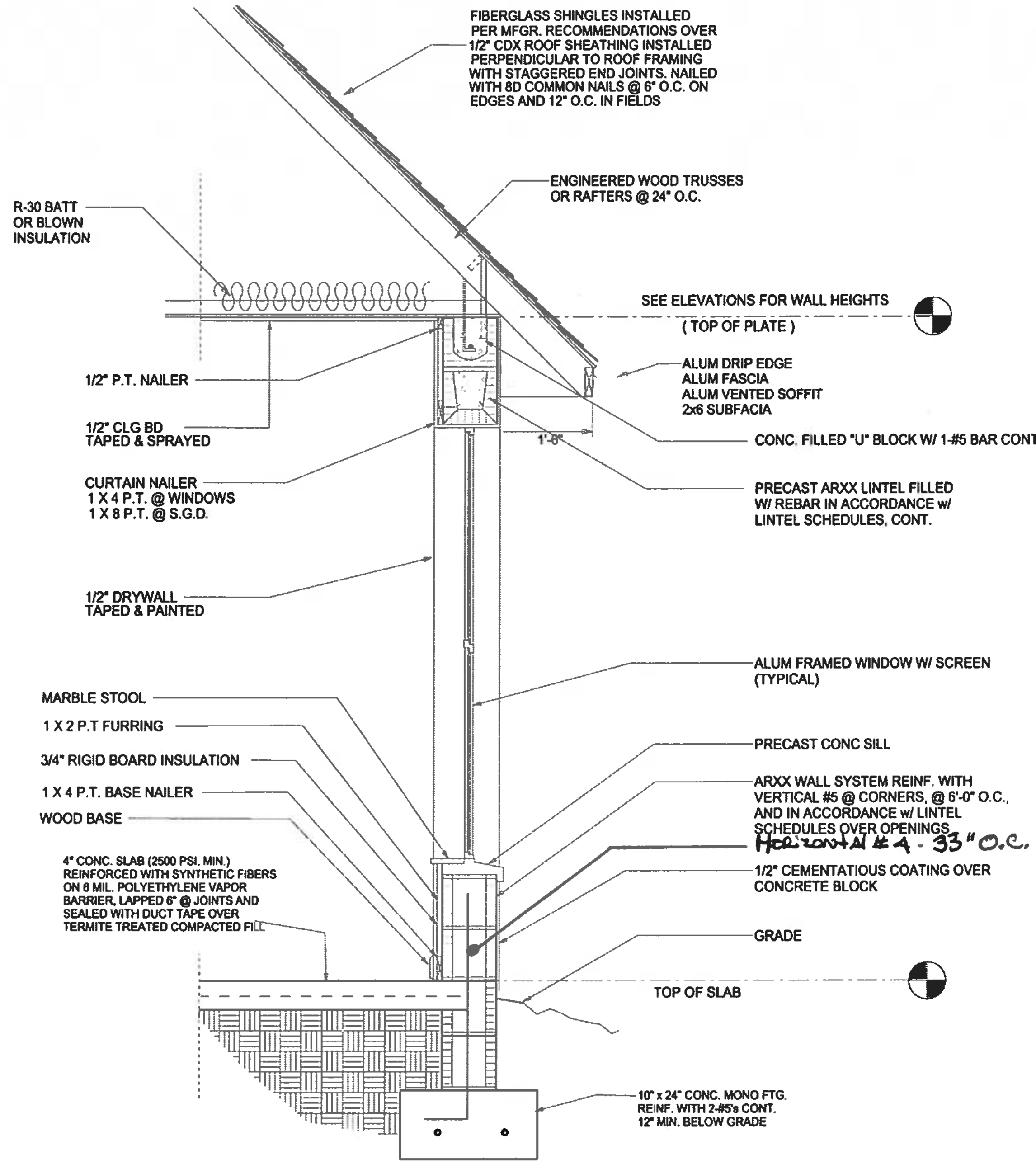
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS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



MAX. TOT. LD. 60 PSF

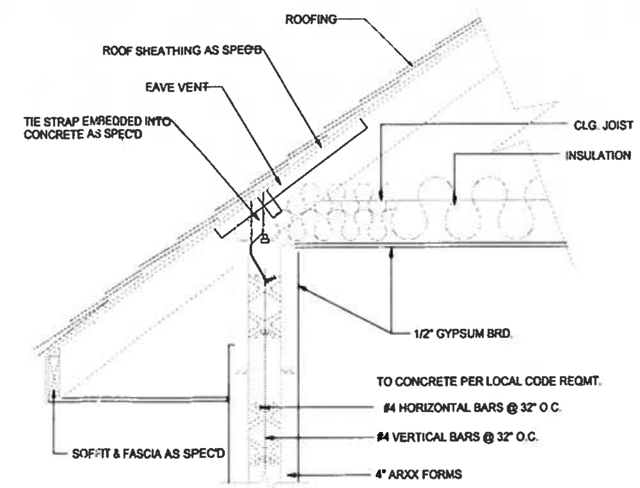
MAX. SPACING 24.0"

REF	ASCE-GAB11015
DATE	11/26/03
DRWG	A11015EN1103
-ENG	



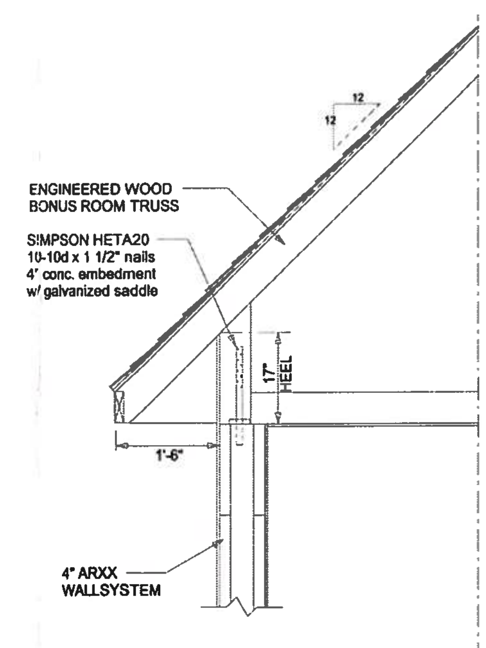
TYPICAL WALL SECTION

SCALE: 1" = 1'-0"



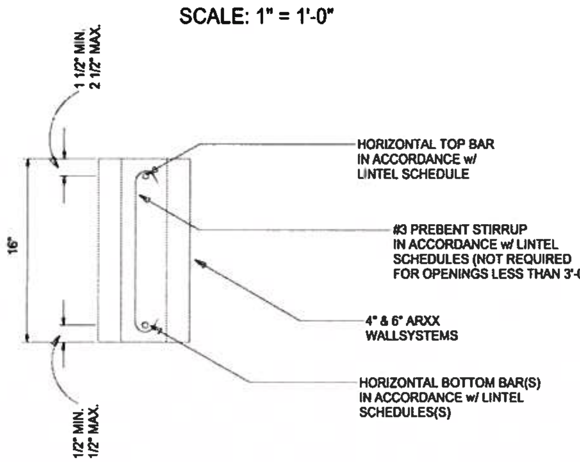
EAVE DETAIL, 4" FORM ROOF RAFTERS,

SCALE 1"=1'-0"



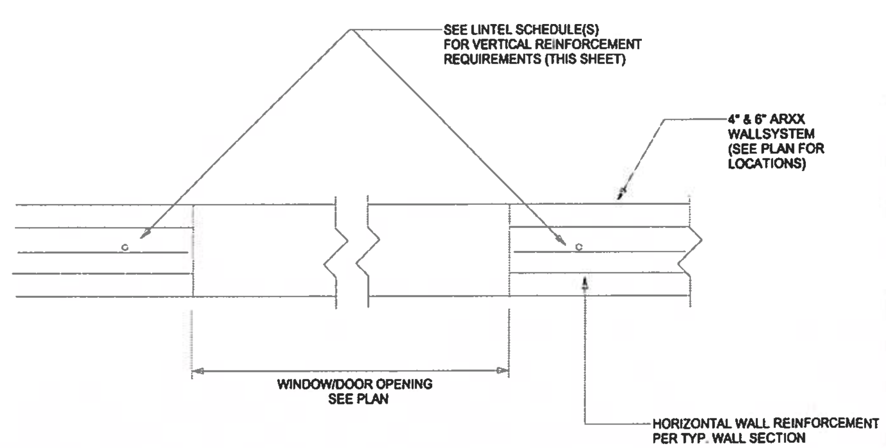
EAVE DETAIL @ GARAGE

SCALE: 3/4" = 1'-0"



TYPICAL LINTEL ABOVE OPENING

SCALE 3/4" = 1'-0"



OPENING REINFORCEMENT DETAIL

SCALE 3/4" = 1'-0"

ARXX 6" CONCRETE LINTEL SCHEDULE (16" MIN. DEPTH)

TOP REBAR: (1) #5	BOTTOM REBAR SIZE	STIRRUP END DISTANCE	NO. OF STIRRUPS @ EA. END
OPENING WIDTH:			
3'-0" OR LESS	1 - # 5	N/A	0
3'-1" TO 4'-0"	1 - # 5	N/A	0
4'-1" TO 6'-0"	1 - # 5	7"	1
6'-1" TO 8'-0"	1 - # 5	14"	2
8'-1" TO 10'-0"	1 - # 5	28"	4
10'-1" TO 12'-0"	1 - # 5	42"	6
12'-1" TO 14'-0"	2 - # 5's	56"	8
14'-1" TO 16'-0"	2 - # 5's	63"	9
16'-1" TO 18'-0" *	2 - # 5's	63"	9

NOTES:
1. LINTELS DESIGNED IN ACCORDANCE WITH ACI 318 (CURRENT ED.)
2. REINFORCING STEEL Fy = 60 ksi
3. SHEAR STIRRUPS Fy = 40 ksi

* - REQUIRES (2) #5 TOP REBAR

STIRRUP END DISTANCE SPACING: (d/2 = 8", approx.)

ARXX 4" CONCRETE LINTEL SCHEDULE (16" MIN. DEPTH)

TOP REBAR: (1) #4	BOTTOM REBAR SIZE	STIRRUP END DISTANCE	NO. OF STIRRUPS @ EA. END
OPENING WIDTH:			
3'-0" OR LESS	1 - # 4's	N/A	0
3'-1" TO 4'-0"	1 - # 4's	N/A	0
4'-1" TO 6'-0"	1 - # 4's	7"	1
6'-1" TO 8'-0"	1 - # 4's	14"	2
8'-1" TO 10'-0"	1 - # 4's	28"	4
10'-1" TO 12'-0"	2 - # 4's	42"	6
12'-1" TO 14'-0"	2 - # 5's	56"	8
14'-1" TO 16'-0"	2 - # 5's	63"	9

NOTES:
1. LINTELS DESIGNED IN ACCORDANCE WITH ACI 318 (CURRENT ED.)
2. REINFORCING STEEL Fy = 60 ksi
3. SHEAR STIRRUPS Fy = 40 ksi

STIRRUP END DISTANCE SPACING: (d/2 = 8", approx.)

ARXX CONCRETE NOTES:

WALLS FORMED WITH ARXX WALLSYSTEM SHALL HAVE A MINIMUM CONCRETE THICKNESS OF 6.25" FOR BASEMENT WALLS AND 4" FOR ABOVE GRADE WALLS.
READY-MIXED CONCRETE TO ARXX WALLSYSTEM WALLS SHALL MEET THE REQUIREMENTS WITH ASTM C 143 . MAXIMUM SLUMP AND AGGREGATE SIZE REQUIREMENTS SHALL BE IN ACCORDANCE WITH ARXX BUILDING PRODUCTS, INC.'S RECOMMENDATIONS AND MEET THE CONCRETE COMPREHENSIVE STRENGTH REQUIREMENTS HEREIN.
THE MINIMUM COMPREHENSIVE STRENGTH OF CONCRETE SHALL BE 3,000 PSI AT 28 DAYS AS DETERMINED WITH ASTM C 31 AND ASTM C 39.

ARXX REINFORCING STEEL NOTES:

REINFORCING STEEL USED IN ARXX WALLSYSTEM WALLS SHALL MEET THE REQUIREMENTS OF ASTM A 615-617 OR ASTM A 706. THE MINIMUM YEILD STRENGTH OF THE REINFORCING STEEL SHALL BE GRADE 60. REINFORCEMENT SHALL BE SECURED IN THE PROPER LOCATION IN THE FORMS WITH TIE WIRE OR OTHER BAR SUPPORT SYSTEM SUCH THAT DISPLACEMENT WILLNOT OCCUR DURING THE CONCRETE PLACEMENT OPERATION. STEEL REINFORCEMENT SHALL HAVE A MINIMUM 3/4" CONCRETE COVER.
HORIZONTAL WALL REINFORCEMENT SHALLNOT VARY OUTSIDE OF THE MIDDLE THIRD OF BEAMS, COLUMNS, LINTELS, HORIZONTAL AND VERTICAL CORES, AND WALLS FOR ALL WALL THICKNESSES.
EXCEPTION: HORIZONTAL WALL REINFORCEMENT IN FOUNDATION WALLS IS PERMITTED TO BE PLACED CLOSER TO THE INSIDE FACE OF THE WALL PROVIDED THAT IT DOES NOT CONFLICT WITH THE MINIMUM REQUIRED COVER OF 3/4".
VERTICAL WALL REINFORCEMENT IN ABOVE-GRADE ARXX WALLS SHALL BE PLACED IN THE CENTER OF THE WALL. VERTICAL WALL REINFORCEMENT IN BELOW-GRADE ARXX WALLS SHALL BE PLACED 1 13/16" FROM THE INSIDE FACE OF THE WALLS IN ACCORDANCE WITH ARXX BUILDING PRODUCTS, INC'S SPECIFICATIONS.
VERTICAL AND HORIZONTAL WALL REINFORCEMENT SHALL BE CONSTRUCTED FROM THE LONGEST LENGTHS PRACTICAL. WHERE JOINS OCCUR IN THE VERTICAL WALL REINFORCEMENT, A LAP SPLICE SHALL BE PROVIDED. LAP SPLICES SHALL BE A MINIMUM OF 40d IN LENGTH, WHERE d IS THE DIAMETER OF THE SMALLER BAR. THE MAXIMUM GAP BETWEEN NON-CONTACT PARALLEL BARS AT A LAP SPLICE SHALL NOT EXCEED 8d.

6301 Randol Mill Rd.
Ft Worth, Texas 76112
1(817) 451-3131

LOT 21 Emerald Cove

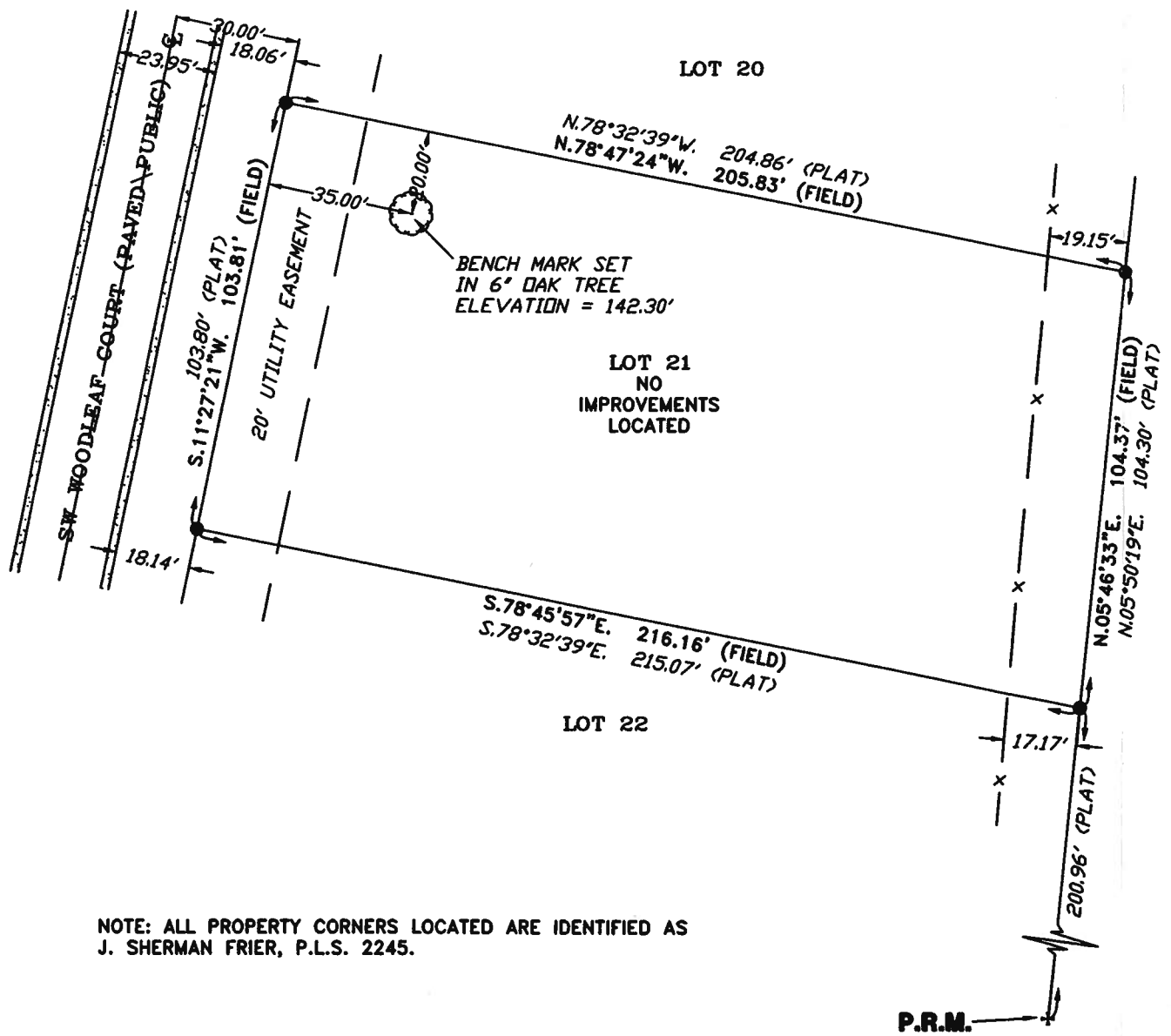
DESIGNER: RONALD K.DICK, RONALD K. DICK DESIGNS
www.creativehomeplans.com

DATE:	
DRAWN BY	CHECKED B
RKD	RKD
STOCK PLAN #	
REVISED BY	JTD
DATE REVISED	5/13/05
CUSTOMER NAME	Wilkerson
SHEET	
OF	

PLAN NUMBER

DETAIL SHEET

BOUNDARY SURVEY IN SECTION 33, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.



NOTE: ALL PROPERTY CORNERS LOCATED ARE IDENTIFIED AS J. SHERMAN FRIER, P.L.S. 2245.

SCALE: 1" = 40'

SYMBOL LEGEND:

- ■ 4"X4" CONCRETE MONUMENT FOUND
- □ 4"X4" CONCRETE MONUMENT SET
- ● IRON PIPE FOUND
- ○ IRON PIN AND CAP SET
- ⊕ POWER POLE
- ▲ WATER METER
- ℄ CENTERLINE
- ✱ WELL
- SATELLITE DISH
- ⊙ TELEPHONE BOX
- —E— ELECTRIC LINES
- —X— WIRE FENCE
- —o— CHAIN LINK FENCE
- —□— WOODEN FENCE

DESCRIPTION:
LOT 21 OF "EMERALD COVE, PHASE 1" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 8, PAGES 35 & 36 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

CERTIFIED TO:

RUNYON CONSTRUCTION OF LIVE OAK
COUNTRY WIDE HOME LOANS

FIELD BOOK: 285 PAGE(S): 24

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

02/04/06 FIELD SURVEY DATE
02/07/06 DRAWING DATE

L. SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

WORK ORDER # L-16963