DATE 09/26/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025014

APPLICANT SUSAN FAIR PHONE 752-1711

ADDRESS 180 NW AMENITY COURT LAKE CITY FL 32055

OWNER CORNERSTONE DEVELOPER PHONE 752-1711

ADDRESS 236 NW KATELYN WAY LAKE CITY FL 32055

CONTRACTOR BRYAN ZECHER PHONE 752-8653

LOCATION OF PROPERTY 90W, TR ON BROWN ROAD, TR ON ETHAN PLACE, TL ON KATELYN WAY, 2ND LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 75000.00

HEATED FLOOR AREA 1500.00 TOTAL AREA 1974.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 18

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

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

PARCEL ID 28-3S-16-02377-136 SUBDIVISION MAGNOLIA HILLS

LOT 36 BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES ____

000001212 ____ CBC054575 Susan Fair

Culvert Permit No. | Culvert Waiver | Contractor's License Number | Applicant/Owner/Contractor

CULVERT | 06-0845-N | BK | 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 2791

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 $ 375.00 CERTIFICATION FEE $ 9.87 SURCHARGE FEE $ 9.87

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

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 494.74

INSPECTORS OFFICE ____ CLERKS OFFICE CN

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.

494.74

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0609-22 Date Received 9/8/06 By G Permit # 12125014

Application Approved by - Zoning Official BLK Date 9.09.06 Plans Examiner OK JTH Date 9-15-06

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

Comments

~~SH~~

Applicants Name SUSAN FAIR Phone 752-1711 fax: 487-0396

Address 180 NW AMENITY CT. LAKE CITY FL 32055

Owners Name CORNERSTONE DEVELOPER Phone 752-1761

911 Address 236 NW KATELYN WAY LAKE CITY FL 32055

Contractors Name BRYAN ZECHER Phone 752-8653

Address PO BOX 815 LAKE CITY, FL. 32056

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address MARK DISOSWAY PO BOX 808 LAKE CITY, FL 32056

Mortgage Lenders Name & Address NA

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

Property ID Number 28-35-16-03377-136 Estimated Cost of Construction 90,000.00

Subdivision Name MAGNOLIA HILLS Lot 36 Block ____ Unit ____ Phase ____

Driving Directions BROWN RD. TO NW ETHAN PLACE, TURN RIGHT. GO TO NW KATELYN WAY & GO LEFT. 2ND LOT ON LEFT.

Type of Construction FRAME & HARDI Number of Existing Dwellings on Property 0

Total Acreage 1/2 acre Lot Size 1/2 acre Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 30'✓ Side 15'✓ Side 15'✓ Rear 105'✓

Total Building Height 18'9" Number of Stories 1 Heated Floor Area 1500 Roof Pitch 6/12

TOTAL 1974

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

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

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CBC054575

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 08 day of September 2006.

Personally known ✓ or Produced Identification

Notary Signature

MIRANDA M. KOON
MY COMMISSION #DD527854
EXPIRES: MAR 13, 2010
Bonded by 1st State Insurance

FROM :COLUMBIA CO BUILDING + ZONING FAX NO. :3864881160 Jun. 16 2006 09:00AM P2

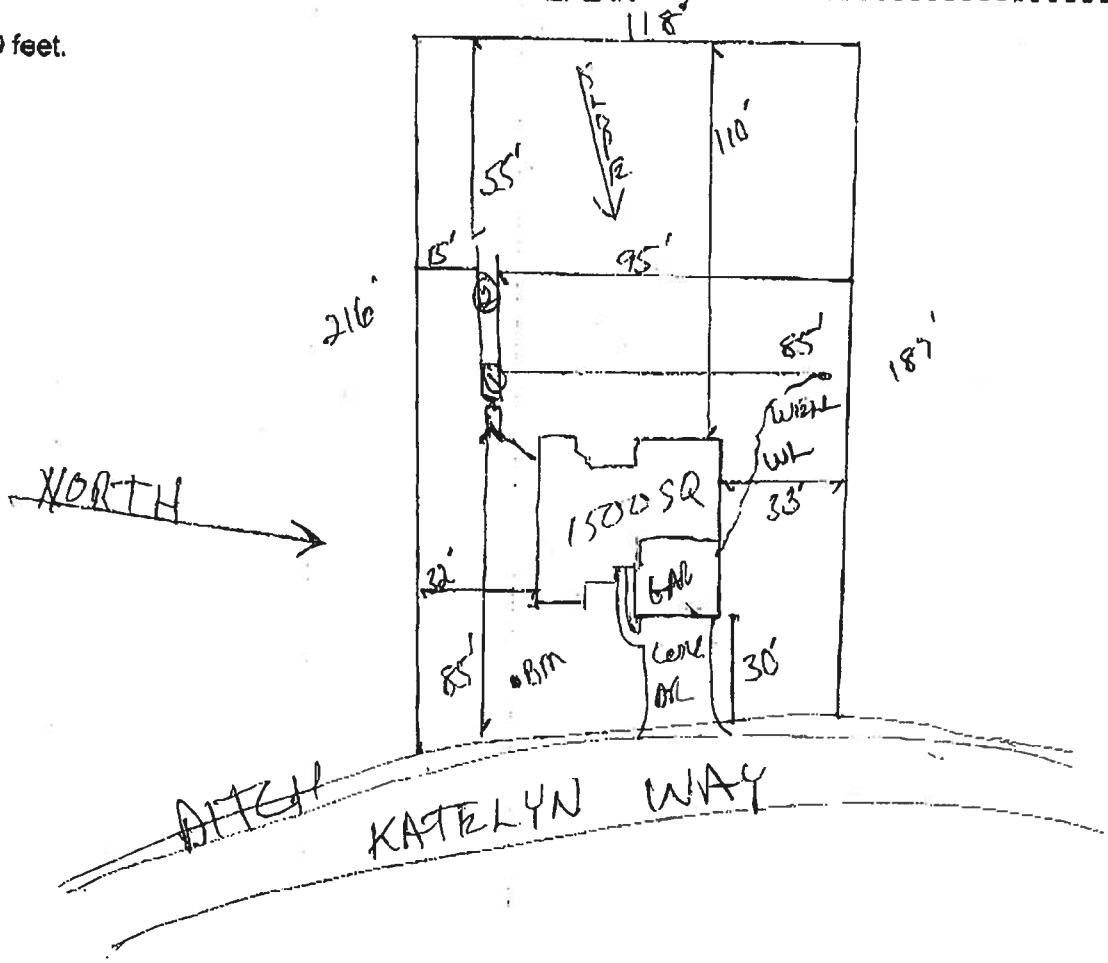
Lot 36, Magnolia Hills

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

Permit Application Number 06-0845N

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: _____

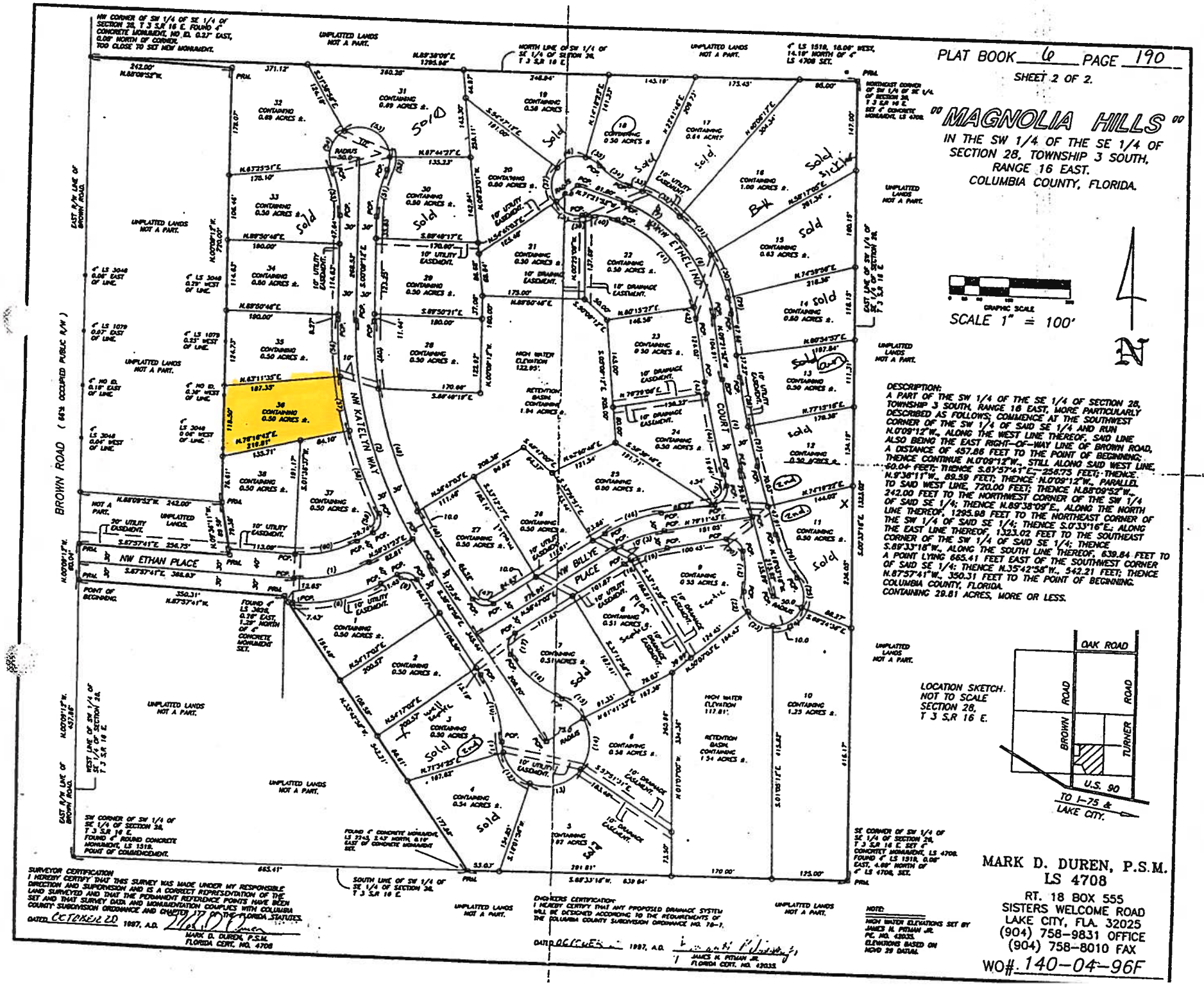
Site Plan submitted by: Rock D 7-0

Plan Approved _____ Not Approved _____ MASTER CONTRACTOR

By _____ Columbia County Health Department Date 9/22/06

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)


PLAT BOOK 6 PAGE 190
SHEET 2 OF 2.
"MAGNOLIA HILLS"
IN THE SW 1/4 OF THE SE 1/4 OF SECTION 28, TOWNSHIP 3 SOUTH, RANGE 16 EAST.
COLUMBIA COUNTY, FLORIDA.
SCALE 1" = 100'
GRAPHIC SCALE
BROWN ROAD (66'± OCCUPIED PUBLIC R/W)
NW ETHAN PLACE
NW KAITLYN WAY
NW ETHEL IND.
NW BILLYE PLACE
COURT
UNPLATTED LANDS NOT A PART.
POINT OF BEGINNING.
DESCRIPTION:
A PART OF THE SW 1/4 OF THE SE 1/4 OF SECTION 28, TOWNSHIP 3 SOUTH, RANGE 16 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF THE SW 1/4 OF SAID SE 1/4 AND RUN N.0°09'12"W., ALONG THE WEST LINE THEREOF, SAID LINE ALSO BEING THE EAST RIGHT-OF-WAY LINE OF BROWN ROAD, A DISTANCE OF 457.66 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N.0°09'12"W., STILL ALONG SAID WEST LINE, 60.04 FEET; THENCE S.87°57'41"E., 256.75 FEET; THENCE N.9°36'11"W., 89.59 FEET; THENCE N.0°09'12"W., PARALLEL TO SAID WEST LINE, 720.00 FEET; THENCE N.88°09'52"W., 242.00 FEET TO THE NORTHWEST CORNER OF THE SW 1/4 OF SAID SE 1/4; THENCE N.89°38'09"E., ALONG THE NORTH LINE THEREOF, 1295.98 FEET TO THE NORTHEAST CORNER OF THE SW 1/4 OF SAID SE 1/4; THENCE S.0°33'16"E., ALONG THE EAST LINE THEREOF, 1323.02 FEET TO THE SOUTHEAST CORNER OF THE SW 1/4 OF SAID SE 1/4; THENCE S.89°33'16"W., ALONG THE SOUTH LINE THEREOF, 639.84 FEET TO A POINT LYING 665.41 FEET EAST OF THE SOUTHWEST CORNER OF SAID SE 1/4; THENCE N.35°42'58"W., 542.21 FEET; THENCE N.87°57'41"W., 350.31 FEET TO THE POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA. CONTAINING 29.81 ACRES, MORE OR LESS.
LOCATION SKETCH. NOT TO SCALE SECTION 28, T 3 S,R 16 E.
OAK ROAD
BROWN ROAD
TURNER ROAD
U.S. 90
TO I-75 & LAKE CITY.
SURVEYOR CERTIFICATION
I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE DIRECTION AND SUPERVISION AND IS A CORRECT REPRESENTATION OF THE LAND SURVEYED AND THAT THE PERMANENT REFERENCE POINTS HAVE BEEN SET AND THAT SURVEY DATA AND MONUMENTATION COMPLIES WITH COLUMBIA COUNTY SUBDIVISION ORDINANCE AND CHAPTER 177 OF THE FLORIDA STATUTES.
DATED OCTOBER 20 1997, A.D.
MARK D. DUREN, P.S.M. FLORIDA CERT. NO. 4708
ENGINEERS CERTIFICATION
I HEREBY CERTIFY THAT ANY PROPOSED DRAINAGE SYSTEM WILL BE DESIGNED ACCORDING TO THE REQUIREMENTS OF THE COLUMBIA COUNTY SUBDIVISION ORDINANCE NO. 76-1.
DATED OCTOBER 1997, A.D.
JAMES H. PITHAN JR. FLORIDA CERT. NO. 43035
NOTE:
HIGH WATER ELEVATIONS SET BY JAMES H. PITHAN JR. PE. NO. 43035. ELEVATIONS BASED ON NGVD 29 DATUM.
MARK D. DUREN, P.S.M.
LS 4708
RT. 18 BOX 555
SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(904) 758-9831 OFFICE
(904) 758-8010 FAX
WO#.140-04-96F

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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.

Tax Parcel ID Number 28-3S-16-02371-136

1. **Description of property: (legal description of the property and street address or 911 address)**
   Lot 36, Magnolia Hills
   236 NW Katelyn Way
   Lake City, FL 32055

2. **General description of improvement:** New Home

3. **Owner Name & Address** Cornerstone Developers LLC, 180 N.W. Amenity Court, Lake City, FL 32055 **Interest in Property** Fee Simple

4. **Name & Address of Fee Simple Owner (if other than owner):**

5. **Contractor Name** Bryan Zepher Construction, Inc. **Phone Number** 386-752-8653
   Address P.O. Box 815, Lake City, FL 32056

6. **Surety Holders Name** N/A **Phone Number**
   Address
   Amount of Bond N/A

7. **Lender Name** N/A **Phone Number**
   Address

Inst:2006014780 Date:06/20/2006 Time:13:04
DC,P.DeWitt Cason,Columbia County B:1087 P:717

8. **Persons within the State of Florida designated by the** (S.T. served as provided by section 718.13 (1)(a) 7; Florida Stat
   Name N/A
   Address

9. **In addition to himself/herself the owner designates** N/A **of** _____ **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –**
   (a) 7. Phone Number of the designee N/A

10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)** N/A

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Sworn to (or affirmed) and subscribed before day of June 19, 2006

Signature of Owner

SUSAN ANN FAIR
MY COMMISSION # DD 342845
EXPIRES: August 14, 2008
Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

Susan Ann Fair
Signature of Notary

Prepared by and return to:

Home Town Title of North Florida
2744 US Highway 90 West
Lake City, FL 32055
386-754-7175
File Number: 2005-2188

Inst:2006003506 Date:02/13/2006 Time:16:16
Doc Stamp-Deed : 3276.00
DC,P.DeWitt Cason,Columbia County B:1073 P:2551

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 9th day of **February, 2006** between **James Lambert Hair, II, a married person not residing on subject property** whose post office address is **314 North Marion Avenue, Lake City, FL 32055**, grantor, and **Cornerstone Developers, LLC, a Florida Limited Liability Company** whose post office address is **180 NW Amenity Court, Lake City, FL 32055**, grantee:

(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 AND NO/100 DOLLARS ($10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in **Columbia County, Florida** to-wit:

Lots 1, 2, 6, 9, 10, 20, 22, 23, 24, 25, 26, 28, 29, 33, 35, 36, 37 and 38 of MAGNOLIA HILLS, according to the plat thereof as recorded in Plat Book 6, Page 189, public records of Columbia County, Florida.

Parcel Identification Number: R023777-101;102,106,109,120,110,122

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 the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to **December 31, 2005.**

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:

Witness Name: BARBARA A. FRADDOSIO

Witness Name: DAWNA W. LANG

James Lambert Hair, II (Seal)

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 9th day of February, 2006 by James Lambert Hair, II, who [ ] is personally known or [X] has produced a driver's license as identification.

[Notary Seal]

Notary Public

Printed Name: DAWNA W. LANG

My Commission Expires:

DAWNA W. LANG
MY COMMISSION # DD 154936
EXPIRES: October 3, 2006
Bonded Thru Notary Public Underwriters

DAWNA W. LANG
MY COMMISSION # DD 154936
EXPIRES: October 3, 2006
Bonded Thru Notary Public Underwriters

Inst:2006003506 Date:02/13/2006 Time:16:16
Doc Stamp-Deed : 3276.00
DC,P.DeWitt Cason,Columbia County B:1073 P:2552

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXXXXXXXXXXXXXX~~
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

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**608231TheSamuelModel**	Builder:	**Bryan Zecher Construction**
Address:	**Lot: 36, Sub: Magnolia Hills, Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, FL**	Permit Number:	25014
Owner:	**Model Home**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 33.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1500 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 33.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 7.30
(or Single or Double DEFAULT) 7a.	(Dble Default) 186.0 ft²	b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b.	(Clear) 186.0 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 192.0(p) ft		EF: 0.93
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
a. Frame, Wood, Adjacent	R=13.0, 183.0 ft²	15. HVAC credits	
b. Frame, Wood, Exterior	R=13.0, 1108.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1558.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 150.0 ft		
b. N/A			

Glass/Floor Area: 0.12 Total as-built points: 23429 Total base points: 23666 **PASS**

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

PREPARED BY: Bryan Zecher

DATE: 9-7-06

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

OWNER/AGENT: Chris D. Cy

DATE: 9-8-06

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: **Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,** PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points
.18 1500.0	20.04	5410.8

WALL TYPES	Area X	BSPM	= Points
Adjacent	183.0	0.70	128.1
Exterior	1108.0	1.70	1883.6
Base Total:	**1291.0**		**2011.7**

DOOR TYPES	Area X	BSPM	= Points
Adjacent	20.0	1.60	32.0
Exterior	40.0	4.10	164.0
Base Total:	**60.0**		**196.0**

CEILING TYPES	Area X	BSPM	= Points
Under Attic	1500.0	1.73	2595.0
Base Total:	**1500.0**		**2595.0**

FLOOR TYPES	Area X	BSPM	= Points
Slab	192.0(p)	-37.0	-7104.0
Raised	0.0	0.00	0.0
Base Total:			**-7104.0**

INFILTRATION	Area X	BSPM	= Points
	1500.0	10.21	15315.0

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
Double, Clear	SE	2.0	5.5	45.0	42.75	0.77	1488.9
Double, Clear	S	6.5	5.5	15.0	35.87	0.49	266.1
Double, Clear	SE	12.0	5.3	45.0	42.75	0.39	759.0
Double, Clear	E	8.5	7.0	10.0	42.06	0.47	196.6
Double, Clear	SW	2.0	1.5	3.0	40.16	0.44	53.0
Double, Clear	NW	9.5	7.5	6.0	25.97	0.60	93.2
Double, Clear	NW	2.0	5.5	30.0	25.97	0.86	666.7
Double, Clear	NW	2.0	8.0	30.0	25.97	0.93	721.1
Double, Clear	NE	1.5	1.5	2.0	29.56	0.59	34.6
As-Built Total:				**186.0**			**4279.2**

Type	R-Value	Area X	SPM	= Points
Frame, Wood, Adjacent	13.0	183.0	0.60	109.8
Frame, Wood, Exterior	13.0	1108.0	1.50	1662.0
As-Built Total:		**1291.0**		**1771.8**

Type	Area X	SPM	= Points
Exterior Insulated	20.0	4.10	82.0
Exterior Insulated	20.0	4.10	82.0
Adjacent Insulated	20.0	1.60	32.0
As-Built Total:	**60.0**		**196.0**

Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	30.0	1558.0	1.73 X 1.00	2695.3
As-Built Total:		**1558.0**		**2695.3**

Type	R-Value	Area X	SPM	= Points
Slab-On-Grade Edge Insulation	0.0	192.0(p	-41.20	-7910.4
As-Built Total:		**192.0**		**-7910.4**

	Area X	SPM	= Points
	1500.0	10.21	15315.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18424.5			**Summer As-Built Points:**					**16346.9**
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 33000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
18424.5	0.4266	7859.9	16347 **16346.9**	1.00 **1.00**	(1.09 x 1.147 x 1.00) **1.250**	0.310 **0.310**	1.000 **1.000**	6341.2 **6341.2**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1500.0	12.74	3439.8	Double, Clear	SE	2.0	5.5	45.0	14.71	1.21	798.3
				Double, Clear	S	6.5	5.5	15.0	13.30	3.03	603.9
				Double, Clear	SE	12.0	5.3	45.0	14.71	2.54	1682.8
				Double, Clear	E	8.5	7.0	10.0	18.79	1.34	252.1
				Double, Clear	SW	2.0	1.5	3.0	16.74	1.76	88.2
				Double, Clear	NW	9.5	7.5	6.0	24.30	1.03	149.9
				Double, Clear	NW	2.0	5.5	30.0	24.30	1.01	734.7
				Double, Clear	NW	2.0	8.0	30.0	24.30	1.00	731.2
				Double, Clear	NE	1.5	1.5	2.0	23.57	1.04	49.2
				As-Built Total:				**186.0**			**5090.4**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	183.0	3.60	658.8	Frame, Wood, Adjacent	13.0	183.0	3.30	603.9
Exterior	1108.0	3.70	4099.6	Frame, Wood, Exterior	13.0	1108.0	3.40	3767.2
Base Total:	**1291.0**		**4758.4**	**As-Built Total:**		**1291.0**		**4371.1**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	20.0	8.40	168.0
Exterior	40.0	8.40	336.0	Exterior Insulated	20.0	8.40	168.0
				Adjacent Insulated	20.0	8.00	160.0
Base Total:	**60.0**		**496.0**	**As-Built Total:**	**60.0**		**496.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1500.0	2.05	3075.0	Under Attic	30.0	1558.0	2.05 X	1.00	3193.9
Base Total:	**1500.0**		**3075.0**	**As-Built Total:**		**1558.0**			**3193.9**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	192.0(p)	8.9	1708.8	Slab-On-Grade Edge Insulation	0.0	192.0(p	18.80	3609.6
Raised	0.0	0.00	0.0					
Base Total:			**1708.8**	**As-Built Total:**		**192.0**		**3609.6**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	1500.0	-0.59	-885.0	1500.0	-0.59	-885.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**12593.0**	**Winter As-Built Points:**					**15876.0**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 33000 btuh ,EFF(7.3) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
			15876.0	1.000	(1.069 x 1.169 x 1.00)	0.467	1.000	9267.5
12593.0	**0.6274**	**7900.8**	**15876.0**	**1.00**	**1.250**	**0.467**	**1.000**	**9267.5**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67	1.00	7820.0
				As-Built Total:							**7820.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7860	**7901**	**7905**	**23666**	**6341**	**9268**	**7820**	**23429**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,** 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* = 83.2

The higher the score, the more efficient the home.

Model Home, Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,

1.	New construction or existing	New		12.	Cooling systems
2.	Single family or multi-family	Single family		a.	Central Unit
3.	Number of units, if multi-family	1			
4.	Number of Bedrooms	3		b.	N/A
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1500 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) 186.0 ft²		a.	Electric Heat Pump
b.	SHGC:				
	(or Clear or Tint DEFAULT)	7b. (Clear) 186.0 ft²		b.	N/A
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 192.0(p) ft		c.	N/A
b.	N/A				
c.	N/A			14.	Hot water systems
9.	Wall types			a.	Electric Resistance
a.	Frame, Wood, Adjacent	R=13.0, 183.0 ft²			
b.	Frame, Wood, Exterior	R=13.0, 1108.0 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, 1558.0 ft²		15.	HVAC credits
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: Garage	Sup. R=6.0, 150.0 ft			MZ-C-Multizone cooling,
b.	N/A				MZ-H-Multizone heating)

Cap: 33.0 kBtu/hr	
SEER: 11.00	
Cap: 33.0 kBtu/hr	
HSPF: 7.30	
Cap: 40.0 gallons	
EF: 0.93	

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: 9-8-06

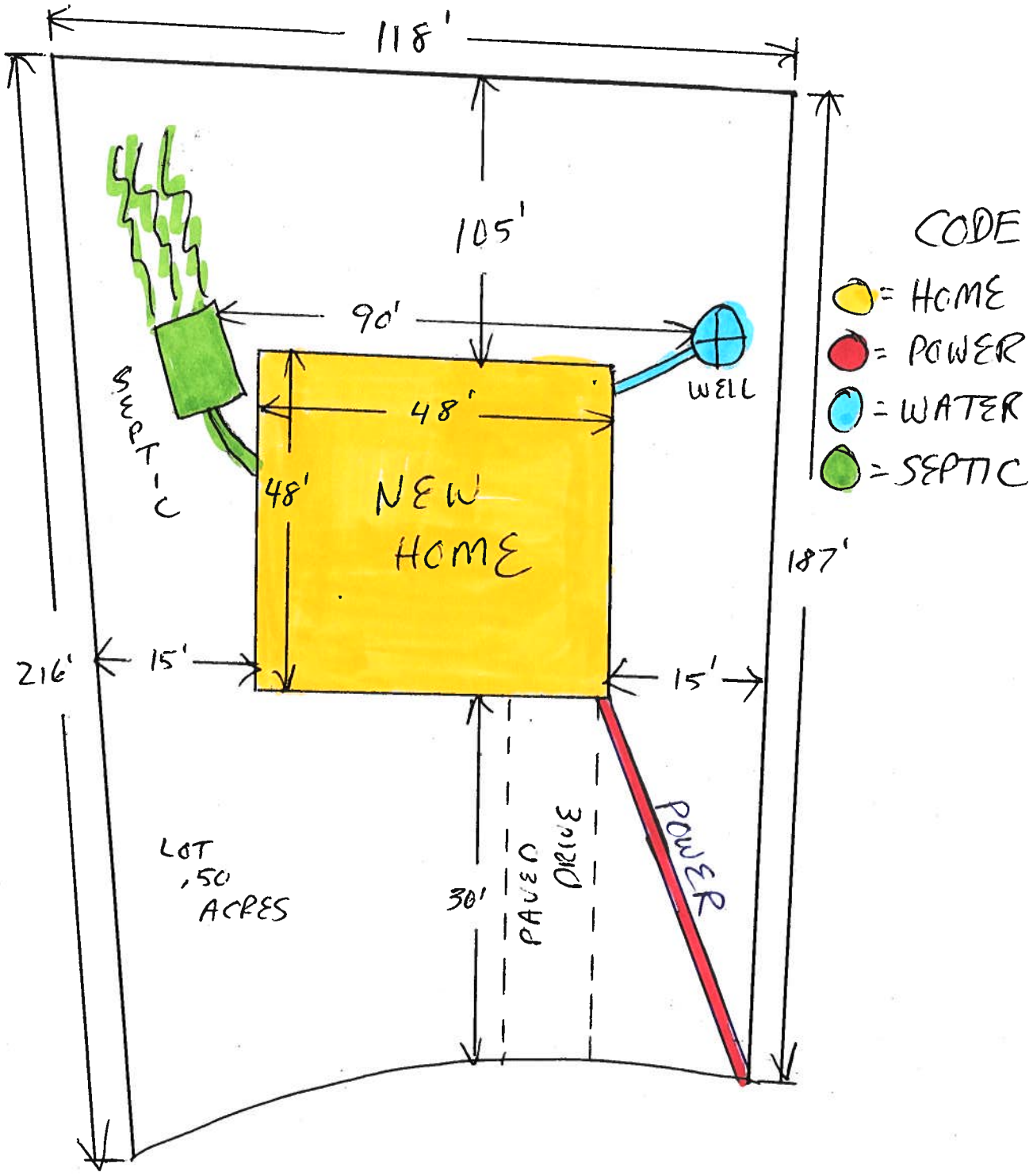
Address of New Home: 236 NW KATELYN WAY City/FL Zip: LAKE CITY FL 32055

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

**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.

MAGNOLIA HILLS
COLUMBIA COUNTY
LOT 36
SITE PLAN



Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001212

DATE 09/26/2006 PARCEL ID # 28-3S-16-02377-136

APPLICANT SUSAN FAIR PHONE 752-1711

ADDRESS 180 NW AMENITY COURT LAKE CITY FL 32055

OWNER CORNERSTONE DEVELOPER PHONE 752-1711

ADDRESS 236 NW KATELYN WAY LAKE CITY FL 32055

CONTRACTOR BRYAN ZECHER PHONE 752-8653

LOCATION OF PROPERTY 90W, TR ON BROWN ROAD, TR ON ETHAN PLACE, TL ON KATELYN WAY, 2ND LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAGNOLIA HILLS 36

SIGNATURE Susan Fair

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

Residential System Sizing Calculation

Summary

Model Home

Starke, FL

Project Title:
608231TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

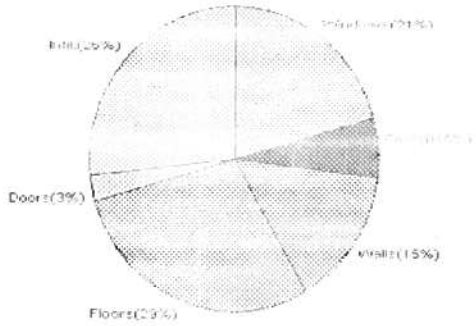
9/7/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	28838	Btuh	Total cooling load calculation	23382	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	114.4	33000	Sensible (SHR = 0.50)	85.7	16500
Heat Pump + Auxiliary(0.0kW)	114.4	33000	Latent	345.1	16500
			Total (Electric Heat Pump)	141.1	33000

WINTER CALCULATIONS

Winter Heating Load (for 1500 sqft)

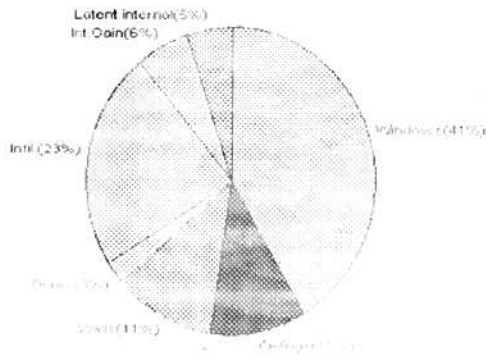
Load component			Load	
Window total	186	sqft	5987	Btuh
Wall total	1291	sqft	4240	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	1558	sqft	1836	Btuh
Floor total	192	sqft	8383	Btuh
Infiltration	188	cfm	7615	Btuh
Duct loss			0	Btuh
Subtotal			28838	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			28838	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1500 sqft)

Load component			Load	
Window total	186	sqft	9641	Btuh
Wall total	1291	sqft	2587	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	1558	sqft	2580	Btuh
Floor total			0	Btuh
Infiltration	98	cfm	1824	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			18600	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			3581	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			4781	Btuh
TOTAL HEAT GAIN			23382	Btuh



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 9-7-06

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Model Home | Project Title: 608231TheSamuelModel | Class 3 Rating

Starke, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 9/7/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	45.0	32.2	1449 Btuh
2	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
3	2, Clear, Metal, 0.87	NW	45.0	32.2	1449 Btuh
4	2, Clear, Metal, 0.87	W	10.0	32.2	322 Btuh
5	2, Clear, Metal, 0.87	NE	3.0	32.2	97 Btuh
6	2, Clear, Metal, 0.87	SE	6.0	32.2	193 Btuh
7	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
9	2, Clear, Metal, 0.87	SW	2.0	32.2	64 Btuh
	Window Total		186 (sqft)		5987 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Adj(0.09)	13.0	183	3.3	601 Btuh
2	Frame - Wood - Ext(0.09)	13.0	1108	3.3	3639 Btuh
	Wall Total		1291		4240 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1558	1.2	1836 Btuh
	Ceiling Total		1558		1836Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	192.0 ft(p)	43.7	8383 Btuh
	Floor Total		192		8383 Btuh
			Zone Envelope Subtotal:		21223 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.94	12000	188.0	7615 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			Sensible Zone Subtotal		28838 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Model Home Starke, FL	Project Title: 608231TheSamuelModel	Class 3 Rating Registration No. 0 Climate: North

9/7/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	28838 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28838 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Model Home
Starke, FL

Project Title:
608231TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 9/7/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, Non[illegible],N,N	NW	2ft.	5.5ft.	45.0	0.0	45.0	29	60	2702 Btuh
2	2, Clear, 0.87, None,N,N	N	6.5ft.	5.5ft.	15.0	0.0	15.0	29	29	434 Btuh
3	2, Clear, 0.87, None,N,N	NW	16ft.	5.5ft.	15.0	0.0	15.0	29	60	901 Btuh
4	2, Clear, 0.87, None,N,N	W	8.5ft.	7ft.	10.0	10.0	0.0	29	60	290 Btuh
5	2, Clear, 0.87, None,N,N	NE	2ft.	1.5ft.	3.0	0.0	3.0	29	60	180 Btuh
6	2, Clear, 0.87, None,N,N	SE	8.5ft.	7.5ft.	6.0	6.0	0.0	29	63	174 Btuh
7	2, Clear, 0.87, None,N,N	SE	2ft.	5.5ft.	30.0	17.2	12.8	29	63	1299 Btuh
8	2, Clear, 0.87, None,N,N	SE	2ft.	8ft.	30.0	2.2	27.8	29	63	1803 Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	1.5ft.	2.0	2.0	0.0	29	63	52 Btuh
	Window Total				186 (sqft)					9041 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Adj	13.0/0.09	183.0	1.5	276 Btuh
2	Frame - Wood - Ext	13.0/0.09	1108.0	2.1	2311 Btuh
	Wall Total		1291 (sqft)		2587 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	60 (sqft)		588 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1558.0	1.7	2590 Btuh
	Ceiling Total		1558 (sqft)		2590 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	192 (ft(p))	0.0	0 Btuh
	Floor Total		192.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		15396 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.49	12000	98.0	1824 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		18600 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Model Home

Starke, FL

Project Title:
608231TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

9/7/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	18600 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	18600 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	18600 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3581 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4781 Btuh
	TOTAL GAIN	23382 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Model Home
Starke, FL

Project Title:
608231TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 9/7/2006
This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	2ft.	5.5ft.	45.0	0.0	45.0	29	60	2702 Btuh
2	2, Clear, 0.87, None,N,N	N	2.5ft.	5.5ft.	15.0	0.0	15.0	23	29	434 Btuh
3	2, Clear, 0.87, None,N,N	NW	10ft.	5.25ft.	45.0	0.0	45.0	29	60	2702 Btuh
4	2, Clear, 0.87, None,N,N	W	5.5ft.	7ft.	13.0	10.0	3.0	29	60	376 Btuh
5	2, Clear, 0.87, None,N,N	NE	2ft.	1.5ft.	3.0	0.0	3.0	29	60	180 Btuh
6	2, Clear, 0.87, None,N,N	SE	0.5ft.	7.5ft.	6.0	6.0	0.0	29	63	174 Btuh
7	2, Clear, 0.87, None,N,N	SE	2ft.	5.5ft.	30.0	17.2	12.8	29	63	1356 Btuh
8	2, Clear, 0.87, None,N,N	SE	2ft.	8ft.	30.0	2.2	27.8	29	63	1803 Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	1.5ft.	2.0	2.0	0.0	29	63	58 Btuh
	Window Total				186 (sqft)					9641 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Adj	13.0/0.09	183.0	1.5	276 Btuh
2	Frame - Wood - Ext	13.0/0.09	1108.0	2.1	2311 Btuh
	Wall Total		1291 (sqft)		2587 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	60 (sqft)		588 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1558.0	1.7	2580 Btuh
	Ceiling Total		1558 (sqft)		2580 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	192 (ft(p))	0.0	0 Btuh
	Floor Total		192.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		15396 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.49	12000	98.0	1824 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		18600 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Model Home

Starke, FL

Project Title:
608231TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

9/7/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	18600 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	18600 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	18600 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3581 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4781 Btuh
	TOTAL GAIN	23382 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

Model Home

Starke, FL

Project Title:
608231TheSamuelModel

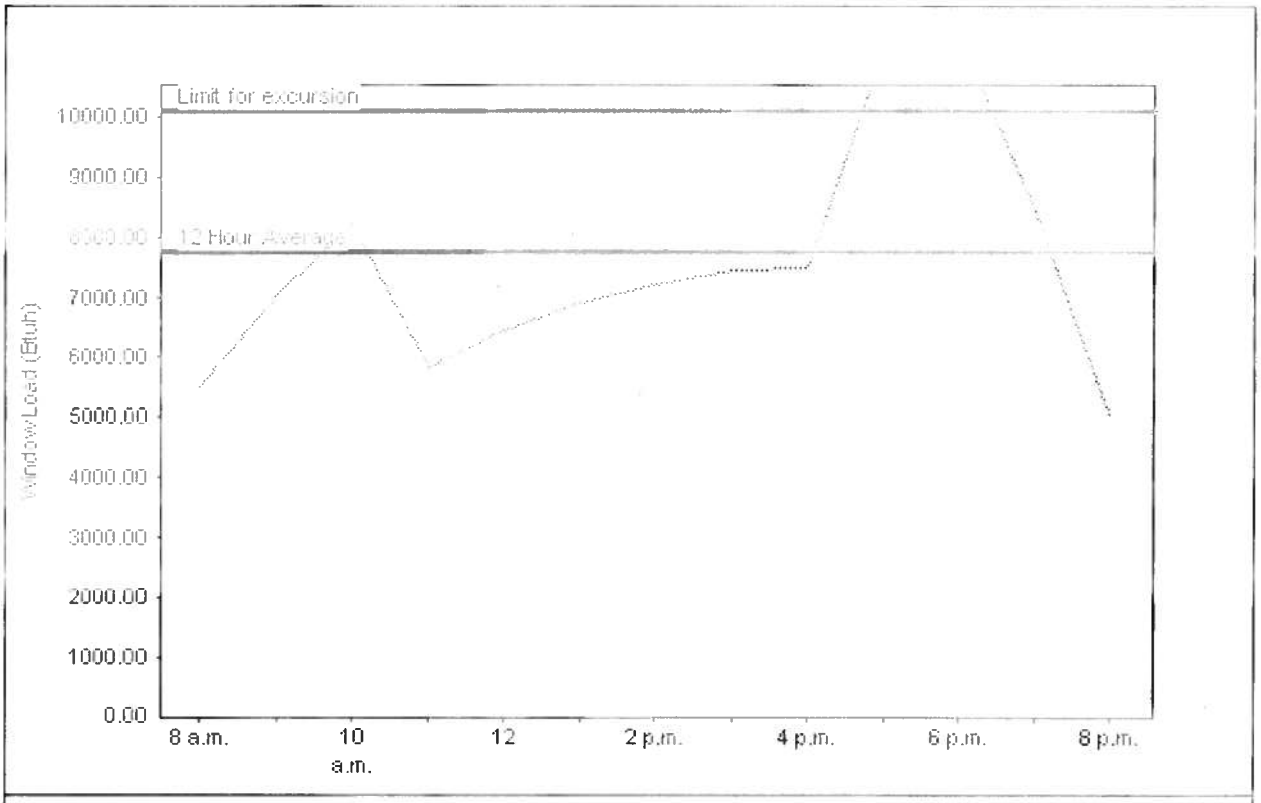
Class 3 Rating
Registration No. 0
Climate: North

9/7/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	7761 Btuh
Summer setpoint	75 F	Peak window load for July	11286 Btu
Summer temperature difference	17 F	Excusion limit(100% of Ave.)	10000 Btu
Latitude	29 North	Window excursion (July)	1197 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

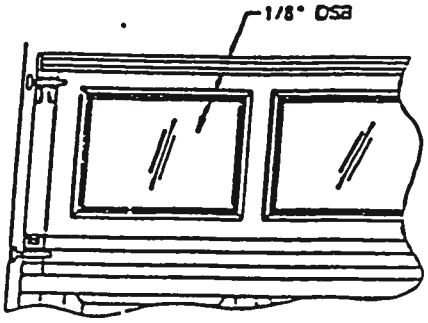
EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 9-7-06

GARAGE DOORS

REVISIONS			
LETTER	DESCRIPTION	DATE	
A	REV PER EN 10130	3/06/98	
B	REV PER EN 10161	3/13/98	
C	REV PER EN 10132	4/28/98	

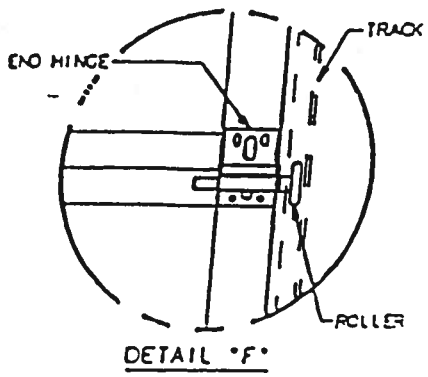
JECTED WITH 5 OR MORE SECTIONS MUST BE
E STRUTS FOR THE ADDITIONAL INTERMEDIATE
ON THE THIRD SECTION.
..L SECTIONS LESS THAN 20.812" MUST BE
THE ACTUAL SECTION HEIGHT & 20.812".
1 X 5/8" LONG TYPE AB HEX HEAD METAL SCREW
4 WIND WARNINGS ISSUED.

2.



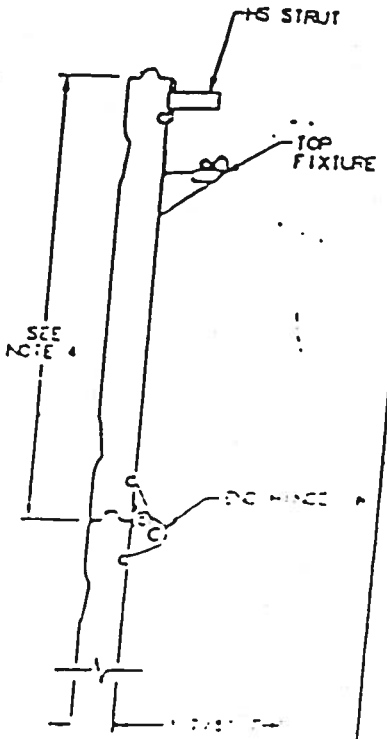
OPTIONAL WINDOW DETAIL

SCALE: 3/32

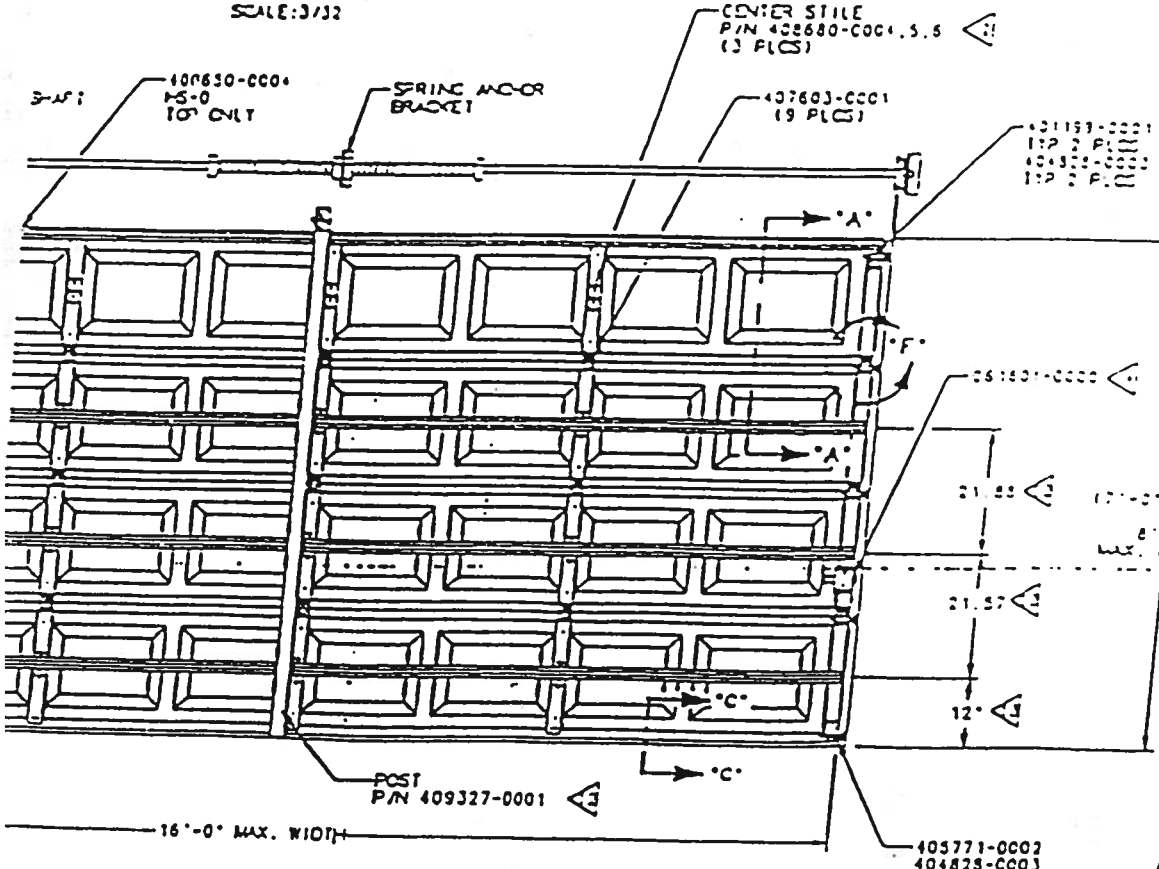


DETAIL "F"

SCALE: 1/4
(16" WIDE)



SECTION "A-A"



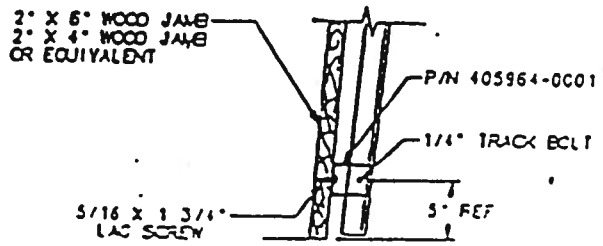
DESIGN LOAD
25 PSF =
TEST LOAD
37.5 PSF =

SCALE: 1/16"=1"

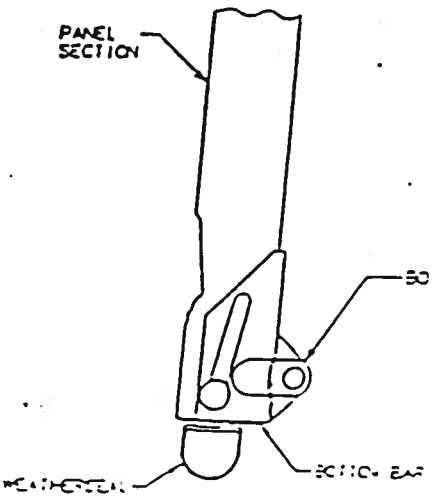
INTERIOR ELEVATION

DRAWN BY: M. TOLNIS	DATE: 01/13/98	DRAWING NAME: SERIES 280 & 180 RESI STL DR. 16'-0" MAX WIDTH, WINDLOAD	
CHECKED BY: DAVID FAX	02/19/98	DRAWING NUMBER: D-409335	
APPROVED BY: DAVID FAX	02/19/98		

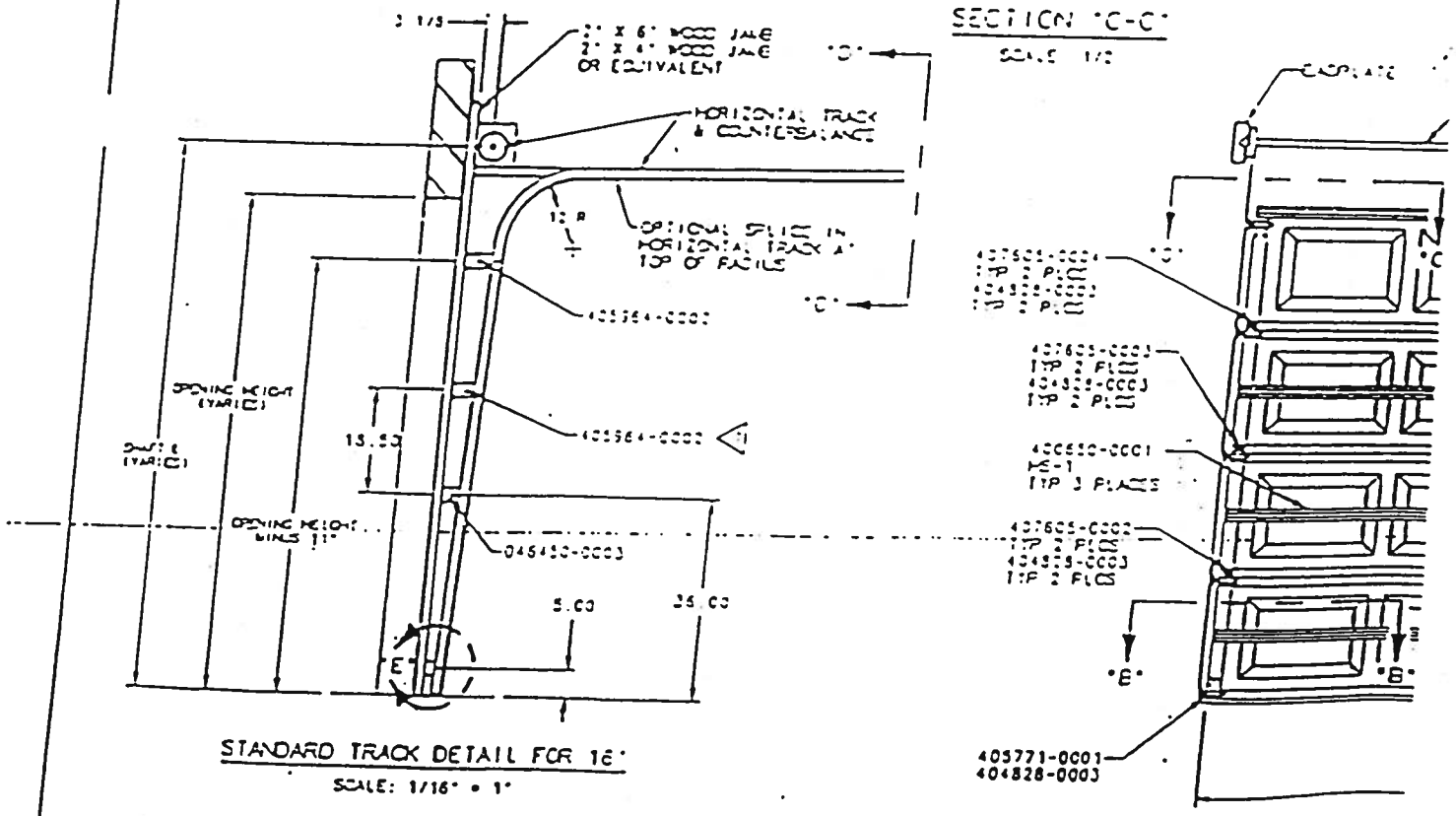
1. TESTED IN ACCORDANCE WITH STANDARD BUILDING CODE, CHAPTER 17, TO A POSITIVE AND NEGATIVE 37.5 PSF.
2. DASH NUMBERS REPRESENT VARIOUS SECTION HEIGHTS.
3. FOUR SECTION 7' HIGH DOOR SHOWN. 8' HIGH DOORS HAVE FIVE SECTIONS.
4. SECTION HEIGHT OF 20.312, 19.00 & 16.75 ARE AVAILABLE AND MAY BE USED IN COMBINATION TO ACHIEVE VARIOUS HEIGHT DOORS.
5. EMBOSSMENT PATTERN OF 14.50 X 20.375 SHOWN. ALTERNATE PATTERNS OF 12.50 X 43.375 AND 12.50 X 20.375 MAY BE USED.
6. TORSION SPRINGS SHOWN. EXTENSION SPRINGS AVAILABLE.
7. USE THIS BRACKET, REF. P/N 405964-0002, ON 8' HIGH DOORS ONLY.
8. WINDOW MAY BE INSTALLED IN THE TOP SECTION OR THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
9. THE STRUT PLACEMENT ON E CONSISTENT WITH THE DOOR SECTIONS ARE TO BE PLACE
10. THE STRUT PLACEMENT DIME REDUCED BY THE DIFFERENCE
11. SCREW P/N 605911-0001 IS
12. POST TO BE INSTALLED ONLY
13. STRUT PLACEMENTS CAN VARY
14. QUANTITY FOR DOORS CAN BE



DETAIL "E"
SCALE: 1/3



VIEW "D-
2" TRACK
.049 THK (VERT



STANDARD TRACK DETAIL FOR 16"
SCALE: 1/16" = 1"

SECTION "C-C"
SCALE 1/2

SERIES 280 THRU 289 ARE EQUIVALENT CONSTRUCTION 25GA STEEL
SERIES 180 ARE SAME CONSTRUCTION AS SERIES 280 ONLY 24GA STEEL AND END CAPS

DOOR TESTED WAS 281 SERIES.

DOOR WIDTH	CENTER STILE	END STILE	ROLLER SHAFT BRACKET	STRUTS/SECT.	ROLLER	VERTICAL TRACK GAGE	JAMB LOAD (# PER FT-HT)	HARDWARE
16'	3	SINGLE		HS1 HS3	2" X 7/16"	.049"	100	STD.

Anthony POWER HEADER®

GARAGE HEADER (84) $26F_b - 1.9E$

ENGINEERED WOOD SECTION PROPERTIES AND LOAD CAPACITIES

ALLOWABLE DESIGN STRESSES (PSI):

FLEXURAL STRESS (F_b) =	2600
COMPRESSION PERP. TO GRAIN ($F_{c\perp}$) =	740
HORIZONTAL SHEAR (F_v) =	225
MODULUS OF ELASTICITY (MOE) =	1.9×10^6

	5527.7	9.0	10.4	11.7	12.9	14.2	15.5
	326	514	789	1115	1521	2014	2604
	8865	12015	15996	20145	24772	29877	35460
	3908	4550	5250	5892	6533	7175	7817

NOTES:

1. Beam weights are based on 38 pcf.
2. Moment capacities are based on a span of 21 feet and must be modified for other spans.
3. Flexural Stress, F_b, shall be modified by the Volume Factor, C_v, as outlined in ATC 117 - Design 1993 and the NDS for Wood Construction 1997.
4. Allowable design properties and load capacities are based on a load duration of 100 percent and dry use conditions.
5. The ATC NER 466 was used in calculating the above allowable design stresses for POWER HEADER®.

GARAGE HEADER COMPARISONS

	810 / 540	3-1/2" x 8-3/8"	3-1/2" x 9-5/8"	3-1/2" x 9"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"**
	950 / 720	3-1/2" x 9-3/4"	3-1/2" x 9-5/8"	3-1/2" x 10-1/2"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"**
	610 / 400	3-1/2" x 12-5/8"	3-1/2" x 13-3/4"	3-1/2" x 13-1/2"	3-1/2" x 14"	3-1/2" x 14"*
	765 / 510	3-1/2" x 14"	3-1/2" x 15-1/8"	3-1/2" x 15"	3-1/2" x 14"	3-1/2" x 16"*
	750 / 490	3-1/2" x 15-3/8"	3-1/2" x 16-1/2"	3-1/2" x 16-1/2"	3-1/2" x 16"	3-1/2" x 18"*
	900 / 600	3-1/2" x 16-3/4"	3-1/2" x 17-7/8"	3-1/2" x 18"	3-1/2" x 16"	—

For more information on POWER HEADER®, or other laminated structural products from Anthony Forest Products Company please call 1-800-221-2326 or FAX at 870-862-6502.

Distributed by:

WOODFORD PLYWOOD, INC.
"Structural Wood Products"

11980 West Beaver Street
Jacksonville, Florida 32220

(904) 695-9080
(800) 447-6568
FAX (904) 695-9160

Anthony POWER HEADER®

26F$_b$ - 1.9E

3-1/2" WIDTH GARAGE HEADER PLF CAPACITY

844	896		1216		1573						
161	207	254	330	390	510	552	669	752	824		
114	145	180	231	277	359	391	510	534	653	707	789

844	975		1322						
161	207	254	330	390	510	552	724	752	897
114	145	180	231	277	359	391	510	534	639	693

562	778	888	1056	1363	1367		1582					
107	153	169	245	260	380	368	540	501	715	664	864	840
76	107	120	171	185	267	261	380	356	521	471	684	609	813

NOTES:

1. Values shown are the maximum uniform loads in pounds per lineal foot (PLF) that can be applied to the header. Header weight has been subtracted from the allowable total load.
2. Tables are based on simple span uniform load conditions using a design span equal to the center-to-center of bearing. Non-shaded areas are based on 3" of bearing at each support, shaded areas on 4.5" of bearing, and shaded & outlined areas on 6" of bearing at supports.
3. Headers are assumed to be loaded on the top edge with continuous lateral support along compression edge.
4. When no live load is listed, total load controls.
5. Deflection limits are listed within the PLF table heading.

GARAGE HEADER SIZING USING PLF TABLES:

To size a garage header supporting roof only, determine the total load & live load in pounds per lineal foot (PLF). Check the appropriate PLF table for a header supporting roof loads only (125% Non-Snow vs. 115% Snow) and select a member with a total load and live load capacity which meets or exceeds the design load for the rough opening size. For a garage header supporting roof, wall, and floor framing, determine the total load and live load in pounds per lineal foot (PLF). Select a header size from the roof, wall, and floor table (100% load duration) which has a total load and live load capacity equal to or greater than the design load for the appropriate rough opening.

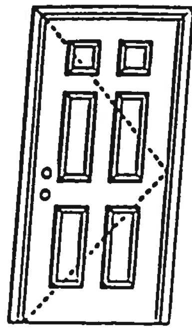
X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door

Design Pressure

+66.0/-66.0

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.ettsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center

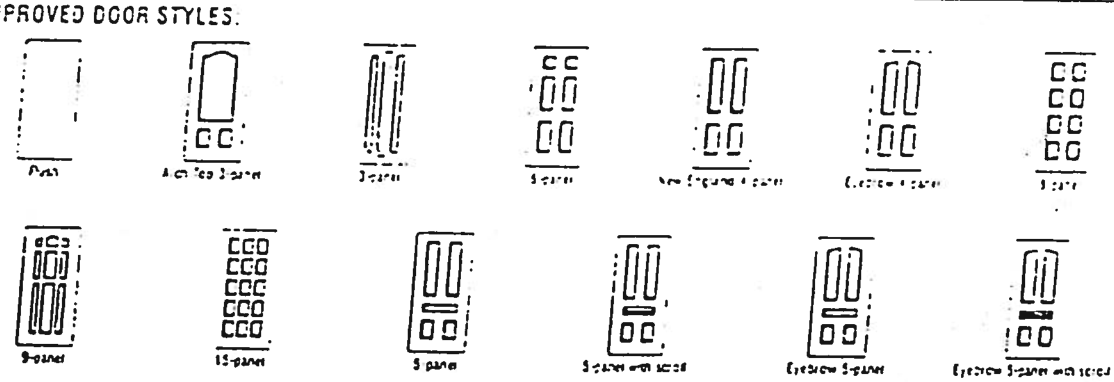
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Johnson EntrySystems

June 17, 2002

PREMDOOR
Exclusively from Masonite
Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

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

Warnock Hersey

Test Data Review Certificate #3025447A and COP/Test Report Variation Matrix #3025447A-001 provides additional information - available from the ITS WH on DVD (www.intertek.com), the Masonite website (www.masonite.com) or the Masonite technical center.

2

Johnson EntrySystems

June 17, 2002

PREMDOOR

Exclusively from Masonite

Masonite International Corporation

WINDOWS

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:mlb

STATE OF FLORIDA PROFESSIONAL ENGINEER

1 APRIL 2002

Architectural Testing

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

Rendered to

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

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

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

Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

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

Allen G. Reuse
1 APRIL 2002

REGISTERED PROFESSIONAL ENGINEER
NO. 19354
STATE OF FLORIDA

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

ALLEN H. REEVES, P.E. CERTIFICATE NO. 13774 STATE OF FLORIDA PROFESSIONAL ENGINEER

Allen H. Reeves
1 APRIL 2002

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

ALLEN H. REEVES, II
CERTIFICATE NO. 18244
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen H. Reeves
1 APRIL 2002

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft²	0.3 cfm/ft² max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

Allen H. Reeves
1 APRIL 2002

ALLEN H. REEVES
CERTIFICATE
NO. 1[illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987)		
	In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.05"	0.18" max.
	@ 70.8 psf (negative)	0.05"	0.18" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

1 APRIL 2002

ALEJANDRO REYES
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

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

MAH.eib
01-41134.01

ALLEN N. REEVES
CERTIFICATE
NO. 19659
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SHINGLES

ELK Premium Roofing

March 6, 2002

Subject: Elk Product Approval Information

All Prestique® and Capstone® products manufactured in Tuscaloosa, AL are certified under the Miami – Dade County Building Code Office (BCCO). These products also meet the requirements for the Florida Building Code since they are MD approved. The following test protocols must be passed by each of the products in order for MD product certification:

ASTM D3462
PA 100 (110 mph uplift and wind driven rain resistance)
PA 107 (Modified ASTM D3161 - 110 mph wind uplift resistance)

The nailing patterns that were used during the PA 100 and PA 107 wind test protocols for the Prestique and Capstone products are listed below. Also listed below are the Miami – Dade Notice of Acceptance Numbers (NOA)

Raised Profile, Prestique High Definition, Prestique 25 or Prestique 30 -
PA 100 = 4 nails
PA 107 = 5 nails
MD NOA# = 01-1226.04

Prestique I 25 or Prestique I* -
PA 100 = 4 nails
PA 107 = 5 nails
MD NOA# = 01-1226.05

Prestique Plus or Prestique Cedar Collection* -
PA 100 = 4 nails
PA 107 = 4 nails
MD NOA# = 01-1226.03

Capstone*
PA 100 = 4 Nails
PA 107 = 4 Nails
MD NOA# = 01-0523.01

* As per the Elk Limited Warranty, six nails are required for the Elk high wind warranty

If there are any questions please contact:

Mike Reed – Technical Manager or Daniel Delemette – QA Engineer
(205) 342-0287 (205) 342-0293

Notice of Treatment 12281

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: Bank Ave
City Lake City Phone 752 1703

Site Location: Subdivision Magnolia Hills
Lot # 36 Block# _____ Permit # 25014
Address 236 NW Katelyn Way

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	1774	672	8

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

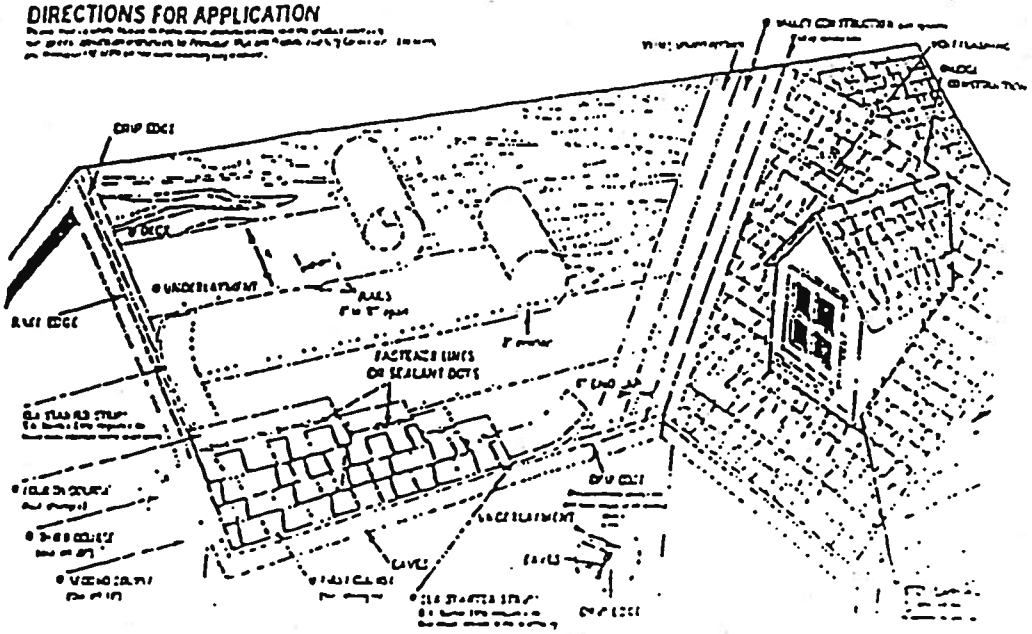
If this notice is for the final exterior treatment, initial this line _____.

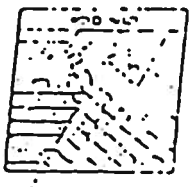
11/14/06 Date | 1430 Time | Fred Guenn Print Technician's Name

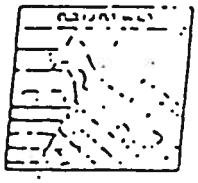
Remarks: _____

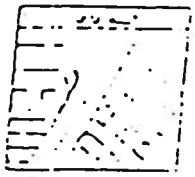
Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

DIRECTIONS FOR APPLICATION









ELK

www.elkcorp.com

PRESTIQUE®
HIGH DEFINITION®

RAISED PROFILE®

HIP AND RIDGE SHINGLES

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Consultants in: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing
4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

CLIENT: Cornerstone Developers

PROJECT: Magnolia Hills Lot 36 PERMIT # 25014

AREA TESTED: Fill & prop Bldg. pad

COURSE: F/G DEPTH OF TEST: 0-1'

TYPE OF TEST: Astm 2922 DATE TESTED: 09-28-06

NOTE: The below tests DO/DO NOT meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		112.0			12.0
App. 10' SE of NW corner of prop Bldg. pad	106.7		95.3	6.0	
App. Center of prop Bldg pad	107.9		96.3	7.4	
App. 10' NW of SE corner of prop Bldg. pad	107.6		96.1	6.8	

TECH. CS

4404

UNIVERSAL
ENGINEERING SCIENCES
Consultant In: Geotechnical Engineering,
Environmental Sciences, Construction Materials Testing
4475 SW 35th Terrace, Gainesville, Florida 32608 (352) 372-3392

Ier No.: 27915-008-01
Report No.: 6881
Date: October 11, 2006

REPORT ON
IN-PLACE DENSITY TESTS

25014

Client: Cornerstone Development
P.O. Box 1867
Lake City, FL 32056

Project: Magnolia Hills, Lot No. 36, Lake City, Columbia County, FL

Area Tested: Fill Beaneath Proposed Building Pad

Course: Final Grade

Depth of Test: 0-1'

Type of Test: ASTM D-2922

Date Tested: 09-28-06

Remarks: The tests below meet the minimum 95 percent relative soil compaction requirement of Laboratory Modified Proctor maximum dry density (ASTM D-1557).

TEST LOCATION	LABORATORY RESULTS		FIELD TEST RESULTS		
Description of Test Location	Maximum Density (pcf)	Optimum Moisture (%)	Dry Density (pcf)	Field Moisture (%)	Soil Compaction (%)
1. Approximately 10' Southeast of Northwest Corner of Proposed Building Pad	112.0	12.0	106.7	6.0	95.3
2. Approximate Center of Proposed Building Pad	112.0	12.0	107.9	7.4	96.3
3. Approximately 10' Northwest of Southeast Corner of Proposed Building Pad	112.0	12.0	107.6	6.8	96.1

Technician: CS/sc

10/16/06
Keith L. Butts, P.E.
FL Professional Engineer No. 53986

UNIVERSAL
ENGINEERING SCIENCES
Consultant In: Geotechnical Engineering,
Environmental Sciences, Construction Materials Testing
4475 SW 35th Terrace, Gainesville, Florida 32608 (352) 372-3392

Order No.: 27915-008-01
Report No.: 6881
Date: October 11, 2006

REPORT ON IN-PLACE DENSITY TESTS

Permit 25014

Client: Cornerstone Development
P.O. Box 1867
Lake City, FL 32056

Project: Magnolia Hills, Lot No. 36, Lake City, Columbia County, FL

Area Tested: Fill Beaneath Proposed Building Pad

Course: Final Grade

Depth of Test: 0-1'

Type of Test: ASTM D-2922

Date Tested: 09-28-06

Remarks: The tests below meet the minimum 95 percent relative soil compaction requirement of Laboratory Modified Proctor maximum dry density (ASTM D-1557).

TEST LOCATION	LABORATORY RESULTS		FIELD TEST RESULTS		
Description of Test Location	Maximum Density (pcf)	Optimum Moisture (%)	Dry Density (pcf)	Field Moisture (%)	Soil Compaction (%)
1. Approximately 10' Southeast of Northwest Corner of Proposed Building Pad	112.0	12.0	106.7	6.0	95.3
2. Approximate Center of Proposed Building Pad	112.0	12.0	107.9	7.4	96.3
3. Approximately 10' Northwest of Southeast Corner of Proposed Building Pad	112.0	12.0	107.6	6.8	96.1

Technician: CS/sc

Keith L. Butts, P.E. 10/16/06
FL Professional Engineer No. 53986

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Consultants In: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing
4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

Permit # 025014

CLIENT: Cornerstone Development

PROJECT: Magnolia Hills Lot 36 Lake City - Columbia Co.

AREA TESTED: Fill & Prop. Bldg. Found

COURSE: Fill DEPTH OF TEST: 0-1'

TYPE OF TEST: D-2922 DATE TESTED: 10-17-06

NOTE: The below tests ~~DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		115.5			10.0
App. cntr of E. Ext. Found	110.5		95.7	5.8	
App. cntr of cntr Interior Found.	116.0		96.1	5.4	
App. cntr of N.E. corner of Ext. Found.	110.3		95.5	6.0	

TECH. SC

4404

UNIVERSAL
ENGINEERING SCIENCES
Consultant In: Geotechnical Engineering,
Environmental Sciences, Construction Materials Testing
4475 SW 35th Terrace, Gainesville, Florida 32608 (352) 372-3392

Project No.: 27915-008-01
Report No.: 7332
Date: October 25, 2006

REPORT ON
IN-PLACE DENSITY TESTS

PERMIT # 25014

Client: Cornerstone Development
P.O. Box 1867
Lake City, FL 32056

Project: Magnolia Hills, Lot No. 36, Permit No. 025014, Lake City, Columbia County, FL

Area Tested: Fill Beneath Proposed Building Pad

Course: Final Grade **Depth of Test:** 0-1'

Type of Test: ASTM D-2922 **Date Tested:** 10-17-06

Remarks: The tests below meet the minimum 95 percent relative soil compaction requirement of Laboratory Modified Proctor maximum dry density (ASTM D-1557).

TEST LOCATION	LABORATORY RESULTS		FIELD TEST RESULTS		
Description of Test Location	Maximum Density (pcf)	Optimum Moisture (%)	Dry Density (pcf)	Field Moisture (%)	Soil Compaction (%)
1. Approximately 10' Northwest of the Southeast Corner of Pad	115.5	10.0	110.5	4.0	95.7
2. Approximate Center of Pad	115.5	10.0	110.0	3.5	95.2
3. Approximately 10' Northeast of the Southwest Corner of Pad	115.5	10.0	111.5	4.3	96.5

Technician: DH/lm

Keith L. Butts, P.E.
FL Professional Engineer No. 53986

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 28-3S-16-02377-136 **Building permit No.** 000025014

Use Classification SFD,UTILITY **Fire:** 50.22

Permit Holder BRYAN ZECHER **Waste:** 150.75

Owner of Building CORNERSTONE DEVELOPER **Total:** 200.97

Location: 236 NW KATELYN WAY(MAGNOLIA HILLS, LOT 36)

Date: 01/18/2007

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SZN8025Z0410143702

Truss Fabricator:	Manning Building Supplies - Ocala
Job Identification:	06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL
Truss Count:	36
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.24, 7.25.
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 - 33.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Partially Enclosed

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: HCUSR8025

Seal Date: 08/10/2006

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

Details: -

#	Ref	Description	Drawing#	Date
1	25416--T-7		06222069	08/10/06
2	25417--T-8		06222070	08/10/06
3	25418--T-9		06222071	08/10/06
4	25419--T-4		06222072	08/10/06
5	25420--T-5		06222073	08/10/06
6	25421--T-6		06222074	08/10/06
7	25422--T-3		06222075	08/10/06
8	25423--T-2		06222076	08/10/06
9	25424--T-1	2 PLY	06222077	08/10/06
10	25425--T-10		06222116	08/10/06
11	25426--T-16		06222117	08/10/06
12	25427--T-18		06222114	08/10/06
13	25428--T-19		06222124	08/10/06
14	25429--T-20		06222109	08/10/06
15	25430--T-21		06222123	08/10/06
16	25431--T-17		06222113	08/10/06
17	25432--T-23		06222122	08/10/06
18	25433--T-24		06222108	08/10/06
19	25434--T-22		06222115	08/10/06
20	25435-HJ10	DOUBLE BEVE	06222110	08/10/06
21	25436-HJ7	DOUBLE BEVEL	06222118	08/10/06
22	25437--J7	NO BEVEL	06222112	08/10/06
23	25438--CJ5	BEVEL 3L 3R	06222111	08/10/06
24	25439--J5	NO BEVEL	06222121	08/10/06
25	25440--CJ3	BEVEL 5L 5R	06222119	08/10/06
26	25441--CJ1	BEVEL 5L 5R	06222120	08/10/06
27	25442--J7A	no bevel	06222078	08/10/06
28	25443-HJ10A	DBL BEVEL	06222079	08/10/06
29	25444--CJ5A	DBL BEVEL	06222080	08/10/06
30	25445--CJ3A	DBL BEVEL	06222081	08/10/06
31	25446-CJ1A	CUT DOWN T	06222082	08/10/06
32	25447--T-11		06222083	08/10/06
33	25448--T-12		06222084	08/10/06
34	25449--T-13		06222085	08/10/06
35	25450--T-14		06222087	08/10/06
36	25451--T-15		06222086	08/10/06

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SZN8025Z0410143702

Truss Fabricator:	Manning Building Supplies - Ocala
Job Identification:	06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL (LOT 28 GRAND VIEW PARK , FL)
Truss Count:	1
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.24, 7.25.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 33.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-02 -Partially Enclosed

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: HCUSR8025

Seal Date: 08/10/2006

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

Revised Trusses

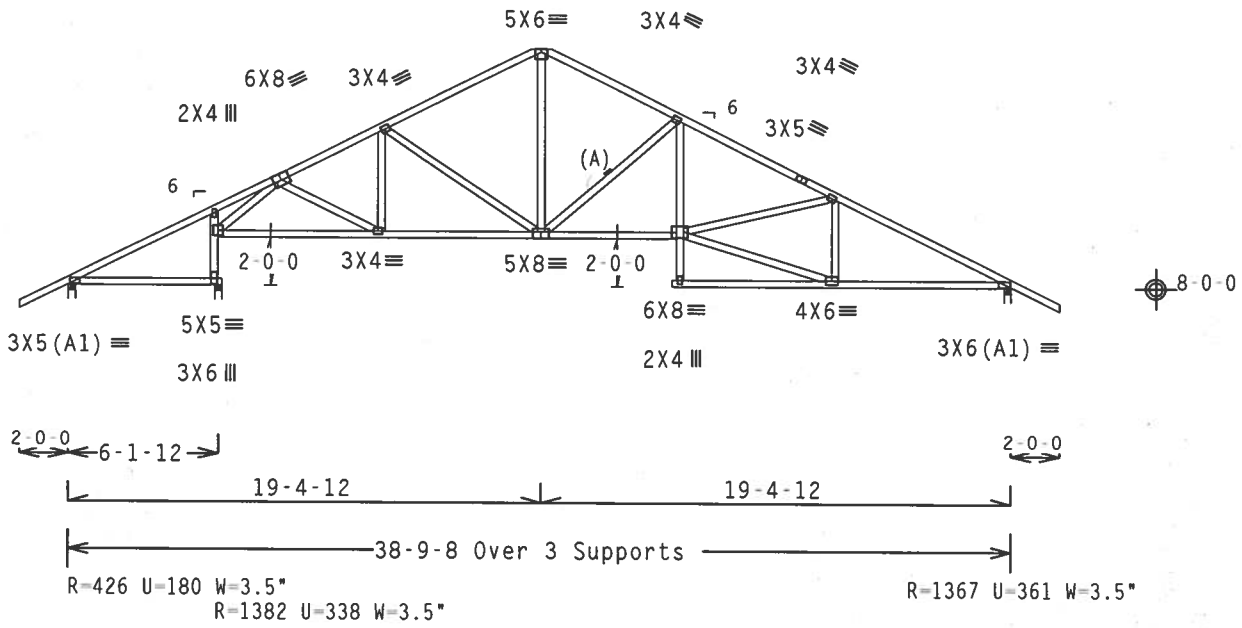
#	Ref	Description	Drawing#	Date
1	25450--T-14		06222087	08/10/06

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/3/-/E/-/- Scale =.125"/Ft.

ALPINE

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

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

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

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

Aug 10 06

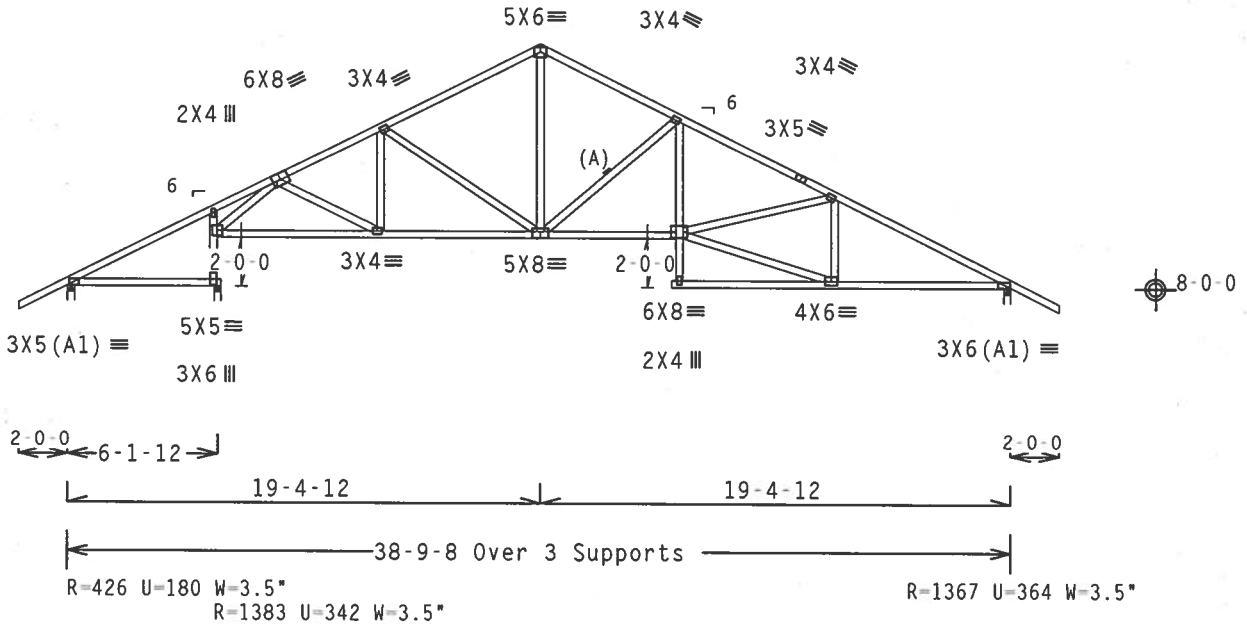
TC LL	20.0 PSF	REF R8025- 25416
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222069
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27655
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 [illegible] QTY:1 FL/-/3/-/E/-/- Scale =.125"/Ft.

ALPINE

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

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

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

Aug 10, 06

TC LL	20.0 PSF	REF R8025- 25417
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222070
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27651
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

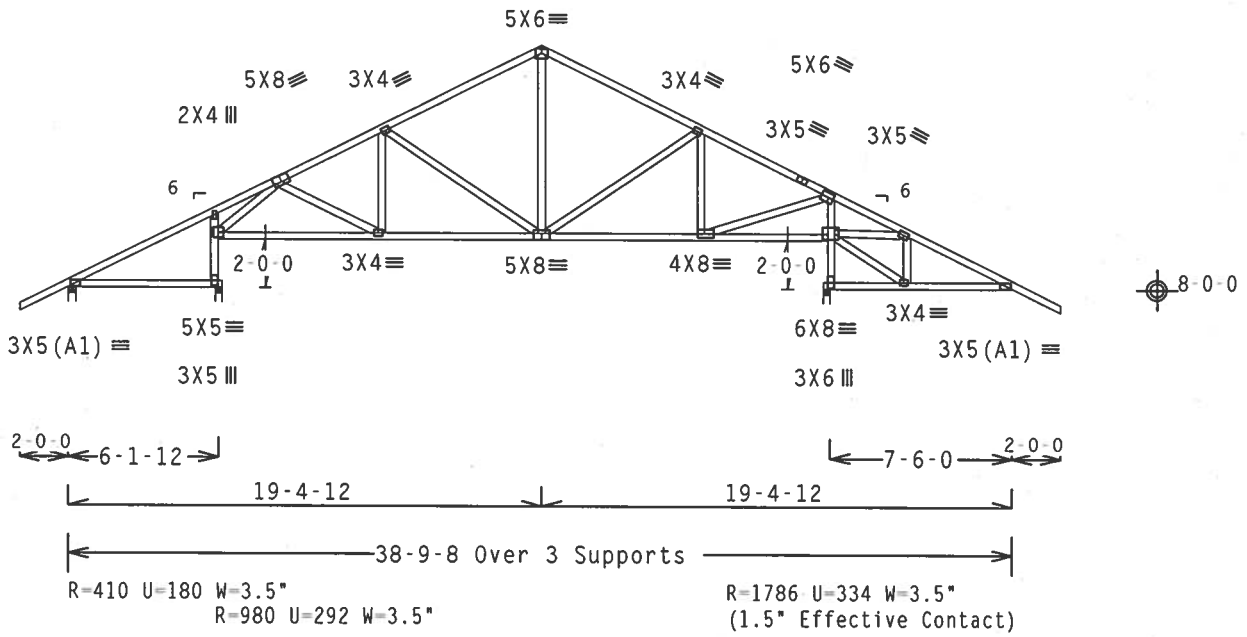
(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-9)

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

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.



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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- Scale =.125"/Ft.

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

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

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Aug 10 06

TC LL	20.0 PSF	REF R8025- 25418
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222071
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27646
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

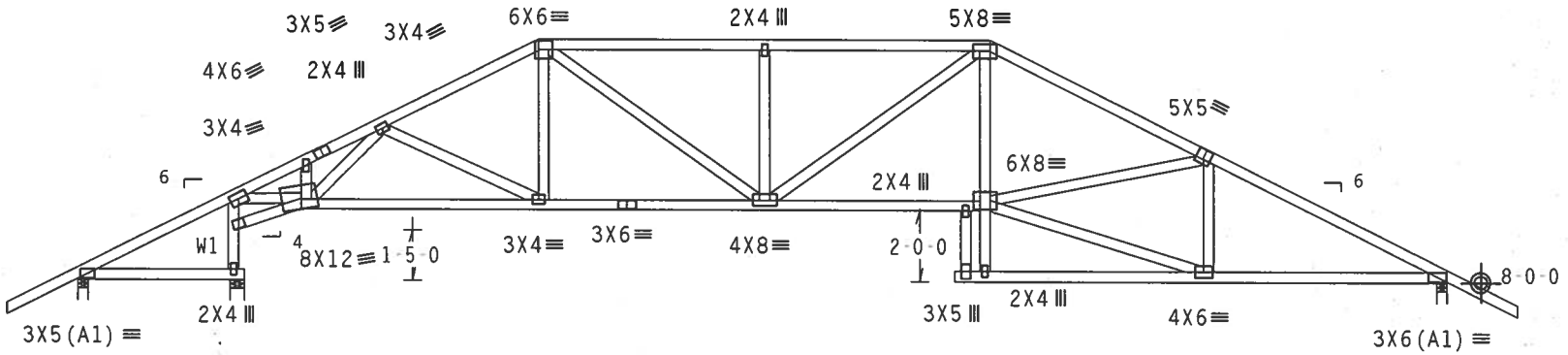
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

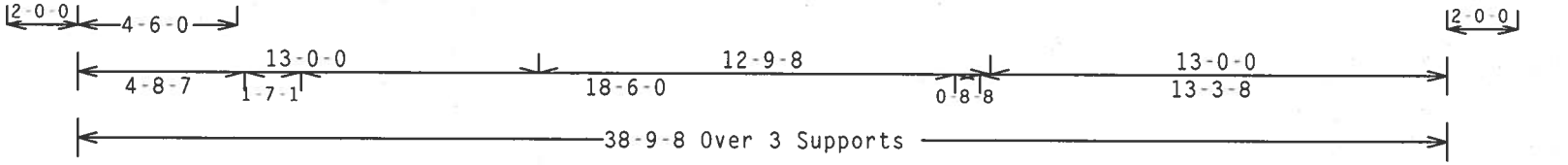
Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3 :W1 2x4 SP #2Dense or M-14:

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.





R=203 U=180 W=3.5"
R=1558 U=402 W=4.95"

R=1416 U=381 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 17 [illegible] QTY.1

FL/-/3/-/E/-/- Scale =.1875"/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

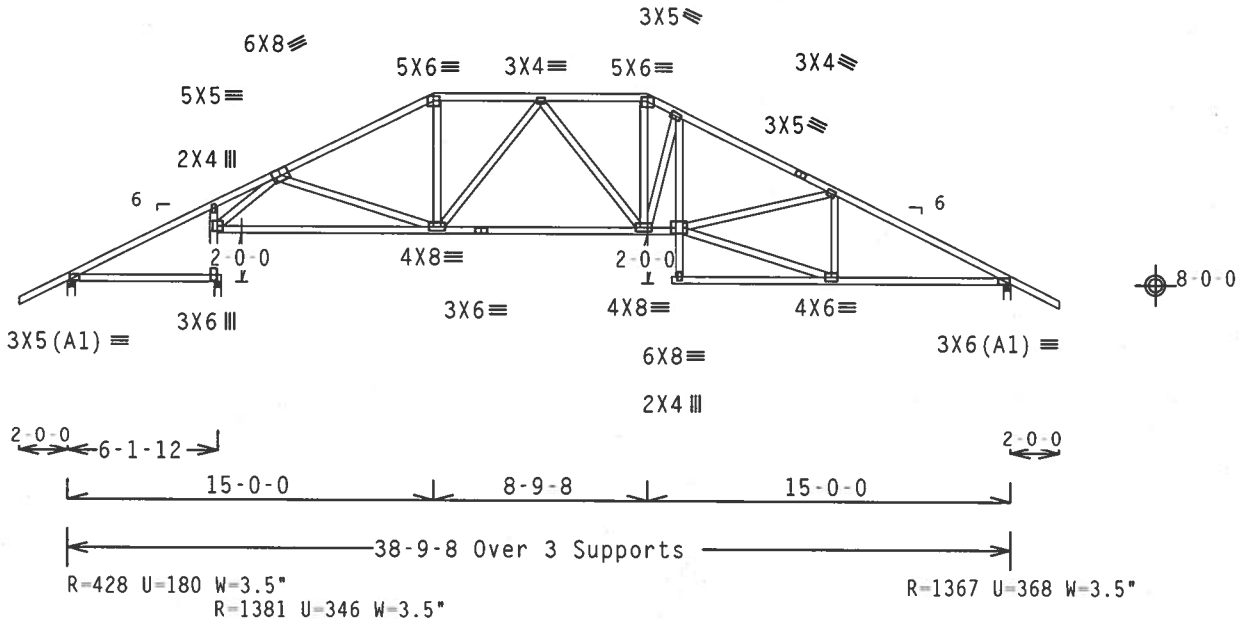
Aug 10, 2006

TC LL	20.0 PSF	REF	R8025- 25419
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222072
BC LL	0.0 PSF	HC-ENG	SSB/AF
TOT.LD.	37.0 PSF	SEQN-	27624
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 17

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- 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

Aug 10 '06

TC LL	20.0 PSF	REF	R8025- 25420
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222073
BC LL	0.0 PSF		HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN-	27664
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

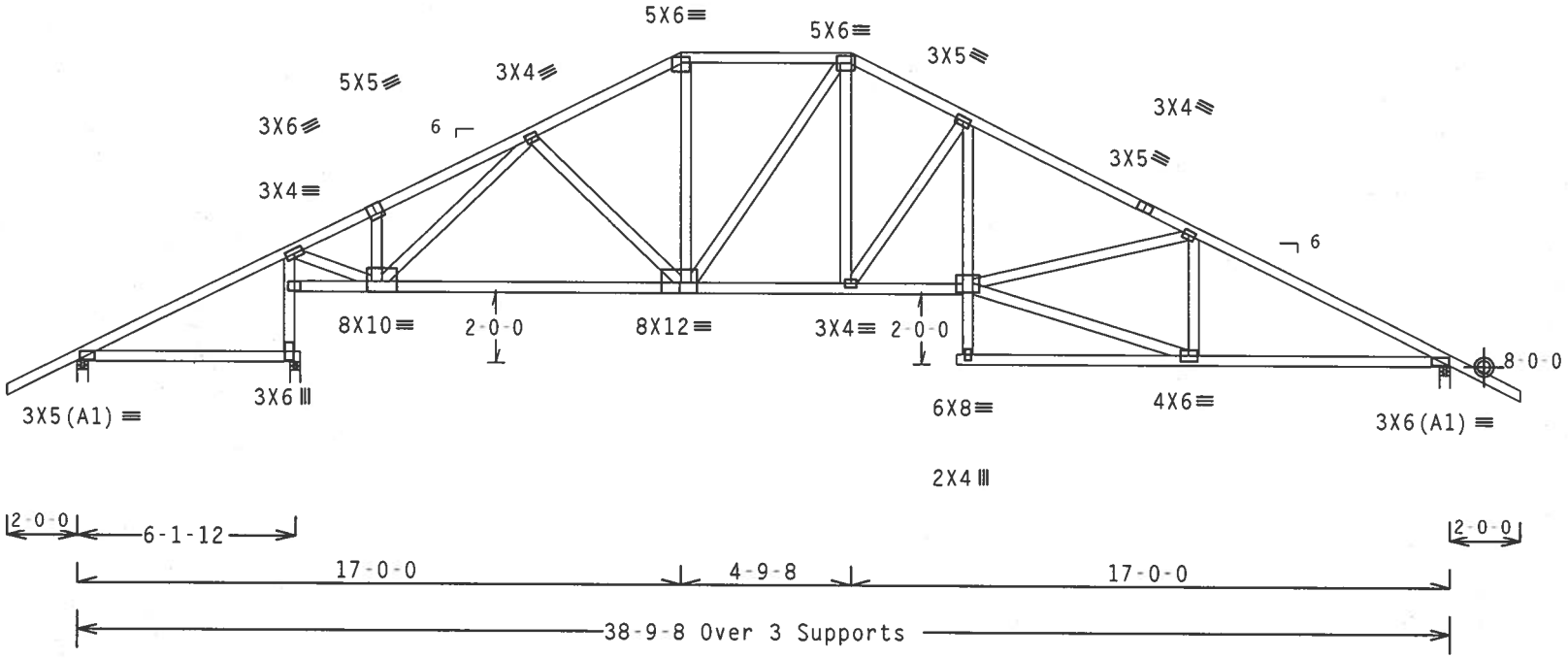
(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-6)

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

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.



R=428 U=180 W=3.5"

R=1381 U=344 W=3.5"

R=1367 U=366 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

QTY:1 FL/-/3/-/E/-/- Scale =.1875"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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JAMES E. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Aug

TC LL	20.0 PSF	REF R8025- 25421
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222074
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27630
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-3)

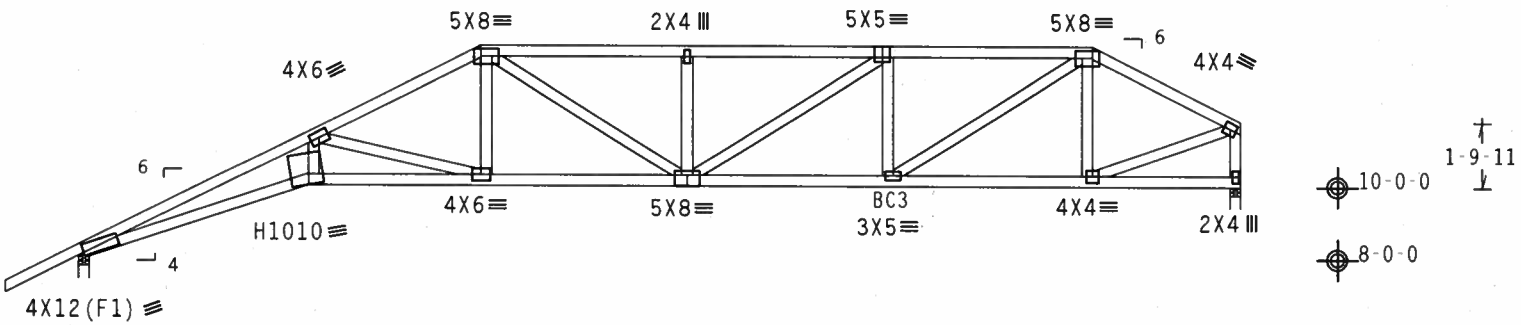
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

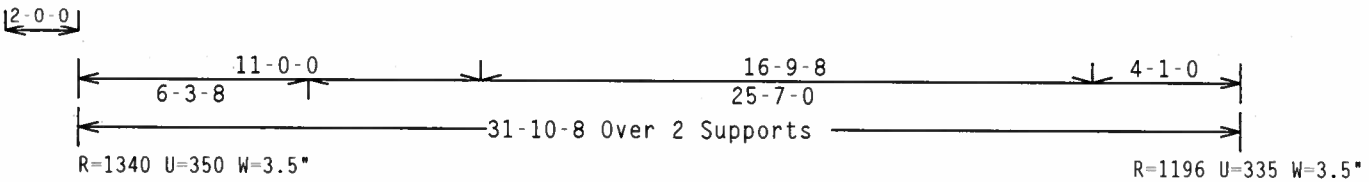
Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP SS :BC3 2x4 SP #2Dense or M-14:
Webs 2x4 SP #3

Calculated horizontal deflection is 0.18" due to live load and 0.16" due to dead load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave

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

QTY:1 FL/-/3/-/E/-/- Scale =.1875"/Ft.

ALPINE

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

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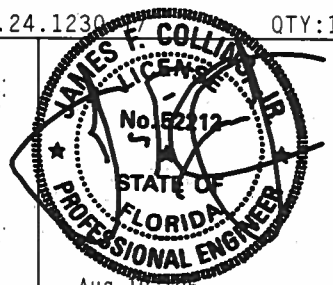


Aug 10 06

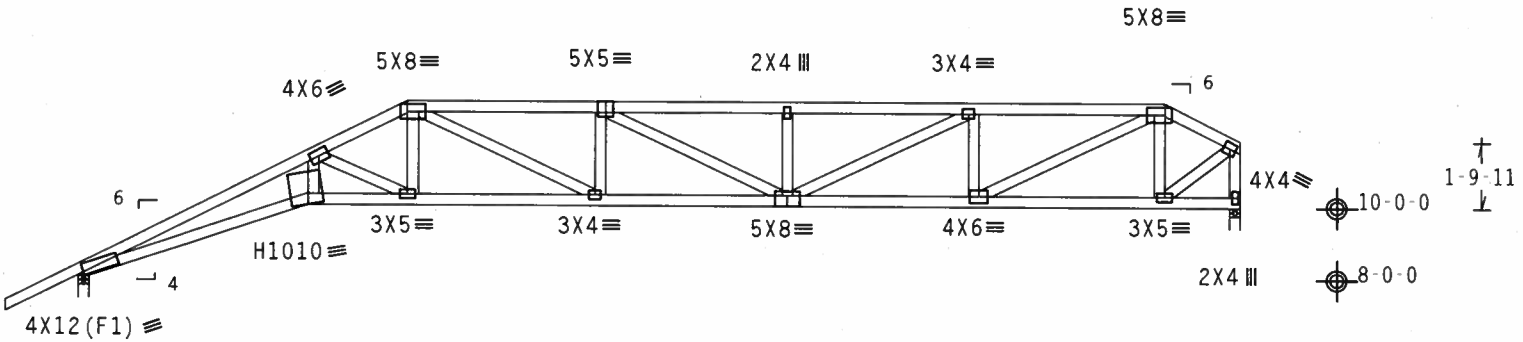
TC LL	20.0 PSF	REF	R8025- 25422
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222075
BC LL	0.0 PSF	HC-ENG	SSB/AF
TOT.LD.	37.0 PSF	SEQN-	27621
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

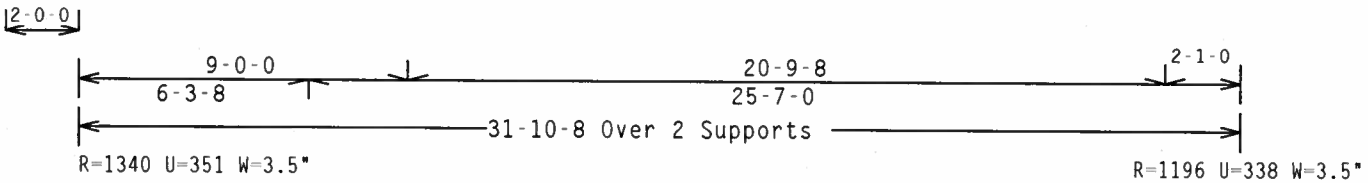
Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP SS
Webs 2x4 SP #3

Calculated horizontal deflection is 0.20" due to live load and 0.17" due to dead load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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





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/-/3/-/E/-/- Scale =.1875"/Ft.

ALPINE
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Haines City, FL 33844
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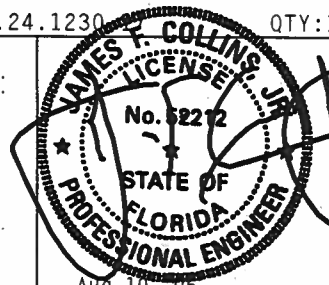


Aug 10 '06

TC LL	20.0 PSF	REF R8025- 25423
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222076
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27617
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x6 SP #1 Dense :BC1 2x6 SP 1950f-1.7E:
Webs 2x4 SP #3 :W11, W13 2x4 SP #2Dense or M-14:

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.28" due to live load and 0.32" due to dead load.

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

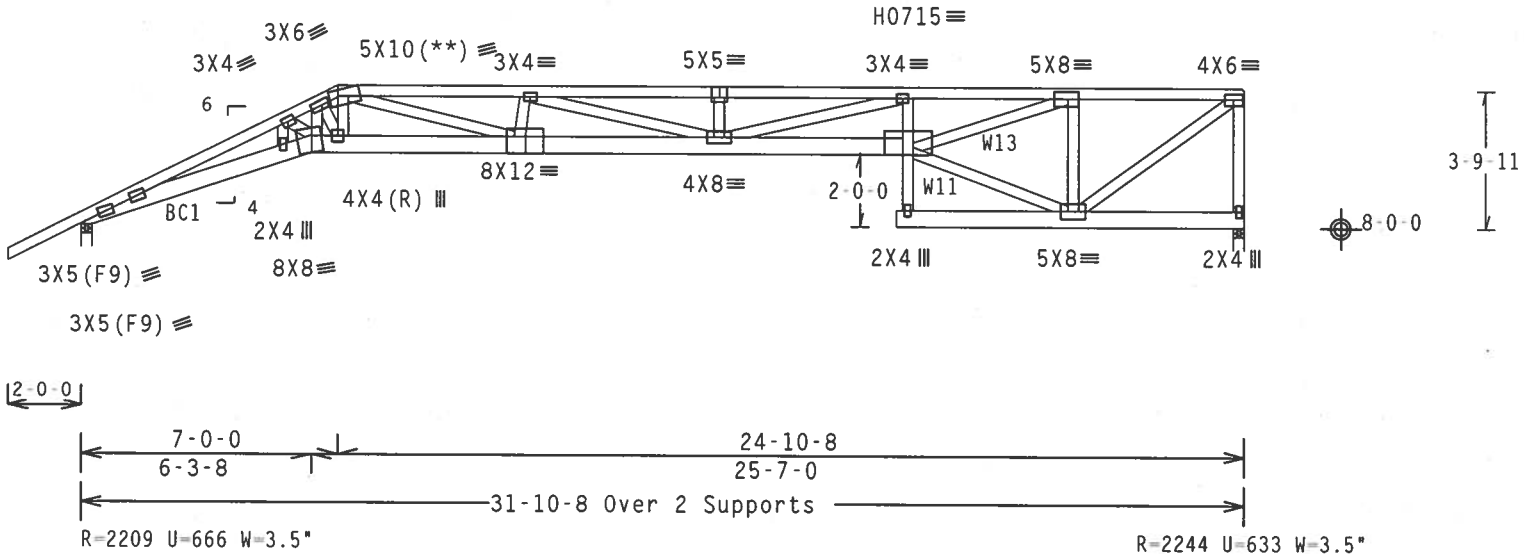
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.128"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) 1/2"_bolts MAY BE USED FOR (2) 0.128"x3"_Gun_nails ON THE BOTTOM CHORD ONLY.

Right end vertical not exposed to wind pressure.

#1 hip supports 7-0-0 jacks with no webs.

Calculated vertical deflection is 0.59" due to live load and 0.67" due to dead load at X = 17-5-4.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/3/-/E/-/- Scale =.1875"/Ft.

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

TC LL	16.0 PSF	REF R8025- 25424
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222077
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	33.0 PSF	SEQN- 27692
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-10)

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

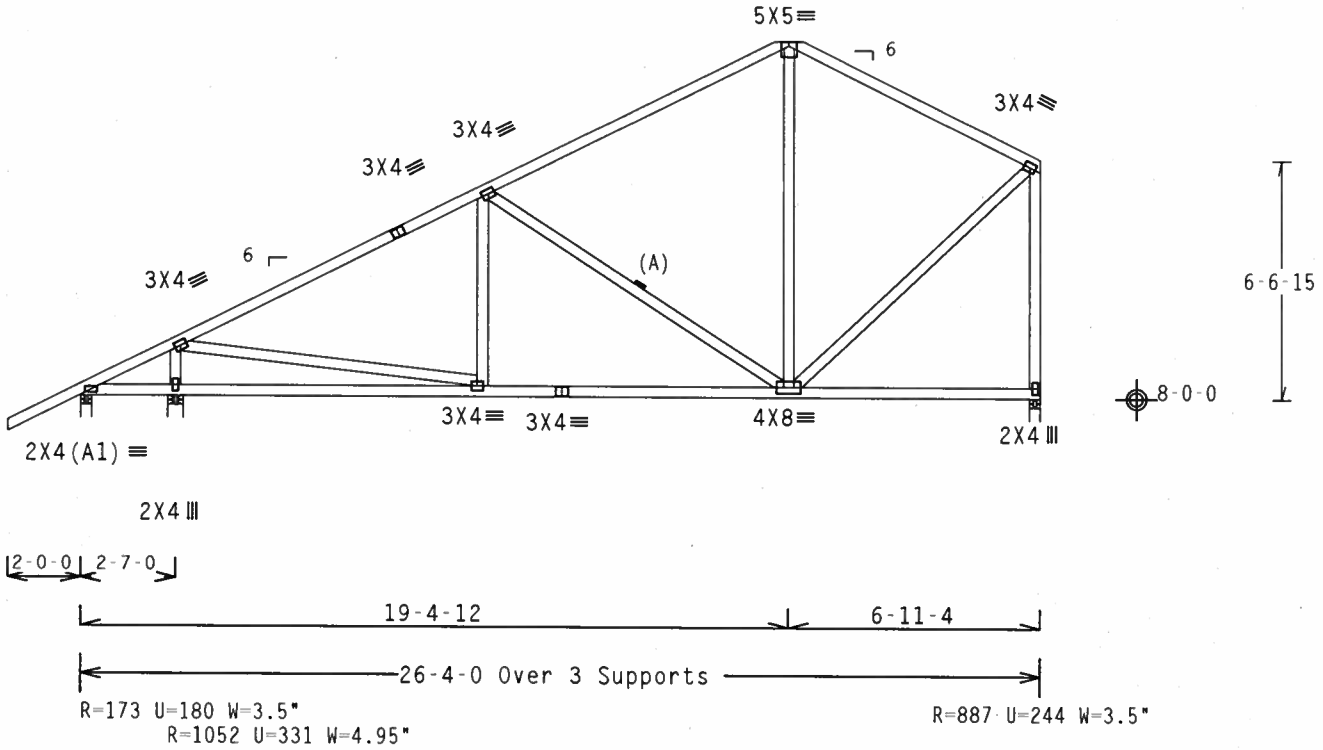
Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

QTY:1 FL/-/3/-/E/-/- 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.

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

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

Aug 10,2006

TC LL	20.0 PSF	REF	R8025- 25425
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222116
BC LL	0.0 PSF	HC-ENG	HD/WHK
TOT.LD.	37.0 PSF	SEQN-	2914
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-16)

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

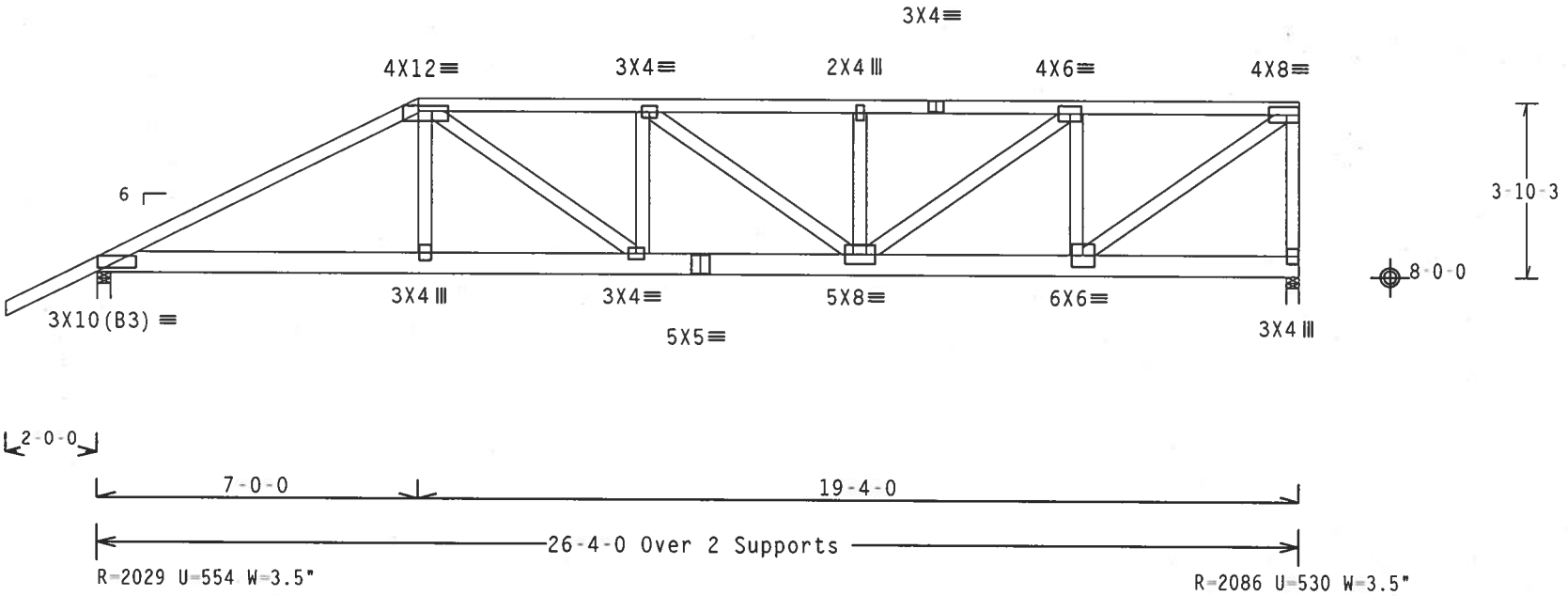
Top chord 2x4 SP #2Dense or M-14
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

#1 hip supports 7-0-0 jacks with no webs.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 3.0

QTY:1 FL/-/3/-/E/-/- Scale =.25"/Ft.

ALPINE

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

Aug 10,2006

TC LL	20.0 PSF	REF	R8025- 25426
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222117
BC LL	0.0 PSF	HC-ENG	HD/WHK
TOT.LD.	37.0 PSF	SEQN-	2807
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

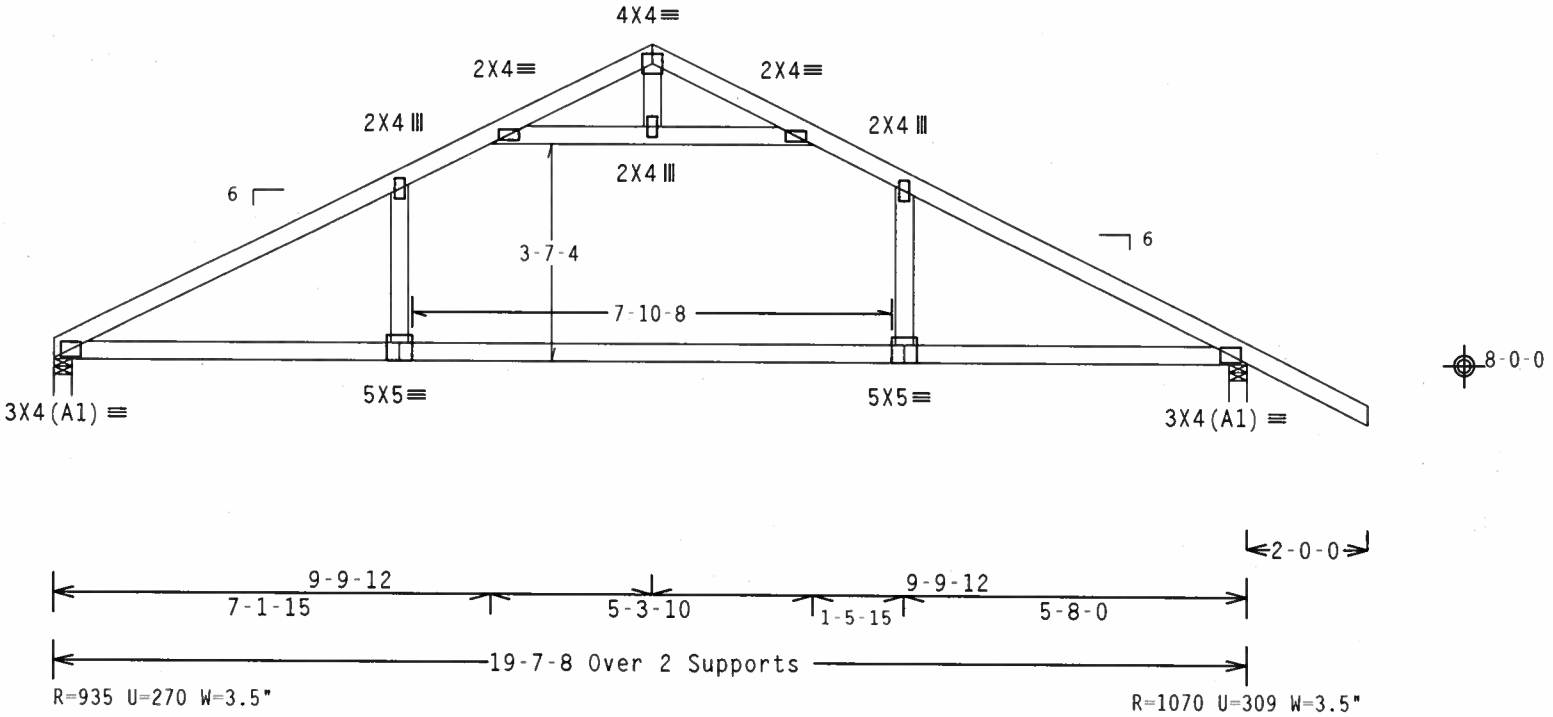
Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 56 PLF at 0.00 to 56 PLF at 21.63
BC - From 20 PLF at 0.00 to 20 PLF at 5.81
BC - From 70 PLF at 5.81 to 70 PLF at 13.81
BC - From 20 PLF at 13.81 to 20 PLF at 19.63
BC - From 4 PLF at 19.63 to 4 PLF at 21.63

COLLAR-TIE BRACED WITH CONTINUOUS LATERAL BRACING AT 24" OC.OR RIGID CEILING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

QTY:1 FL/-/3/-/E/-/- Scale =.3125"/Ft.

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JAMES E COLLINS JR. LICENSE No. 62213 STATE OF FLORIDA PROFESSIONAL ENGINEER

Aug 10-06

TC LL	20.0 PSF	REF	R8025- 25427
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222114
BC LL	0.0 PSF		HC-ENG HD/WHK
TOT.LD.	37.0 PSF	SEQN-	26897
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-19)

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

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

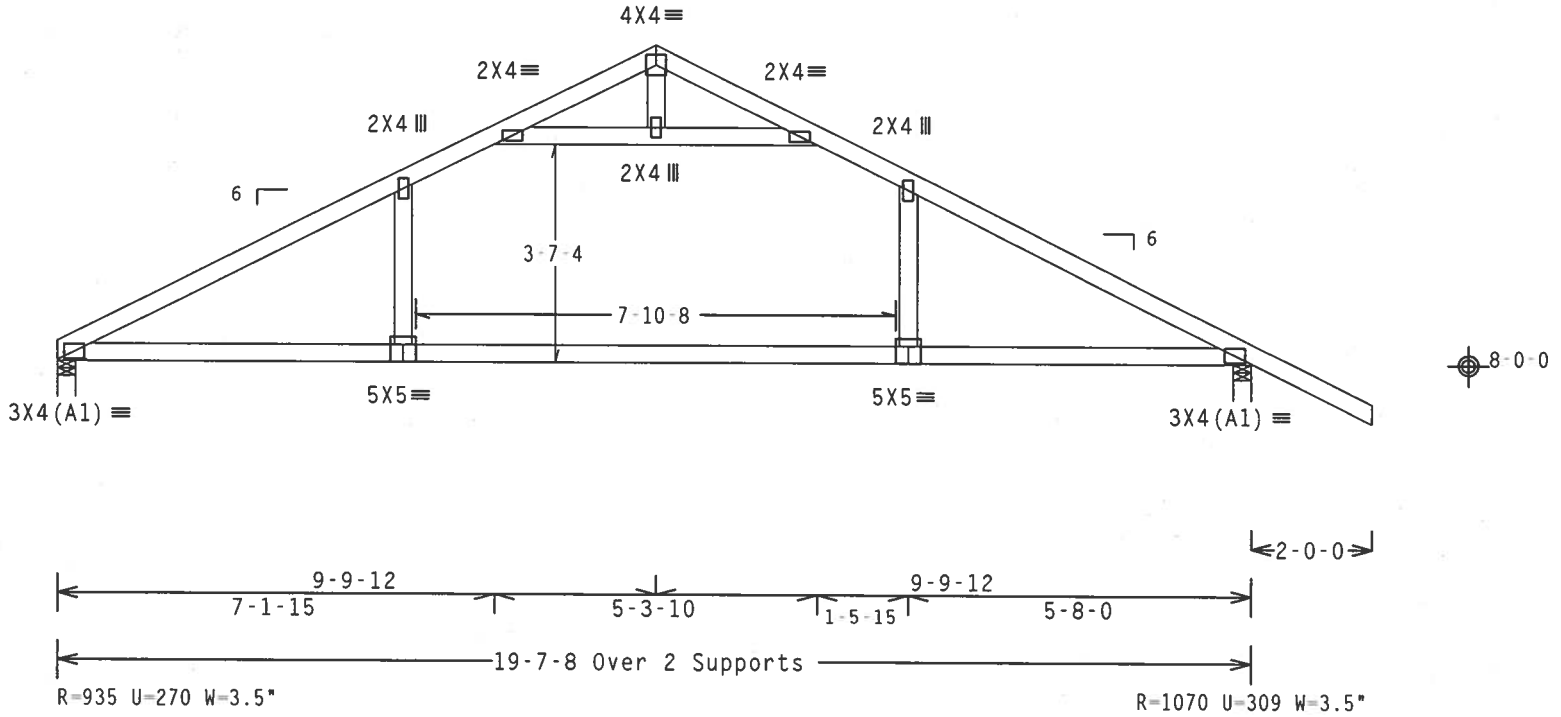
SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	56 PLF at	0.00 to	56 PLF at	21.63
BC - From	20 PLF at	0.00 to	20 PLF at	5.81
BC - From	70 PLF at	5.81 to	70 PLF at	13.81
BC - From	20 PLF at	13.81 to	20 PLF at	19.63
BC - From	4 PLF at	19.63 to	4 PLF at	21.63

COLLAR-TIE BRACED WITH CONTINUOUS LATERAL BRACING AT 24" OC.OR RIGID CEILING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/3/-/E/-/- Scale =.3125"/Ft.

Alpine Engineered Products, Inc.
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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
Aug 10 06

TC LL	20.0 PSF	REF	R8025- 25428
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222124
BC LL	0.0 PSF	HC-ENG	HD/WHK
TOT.LD.	37.0 PSF	SEQN-	26897
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-20)

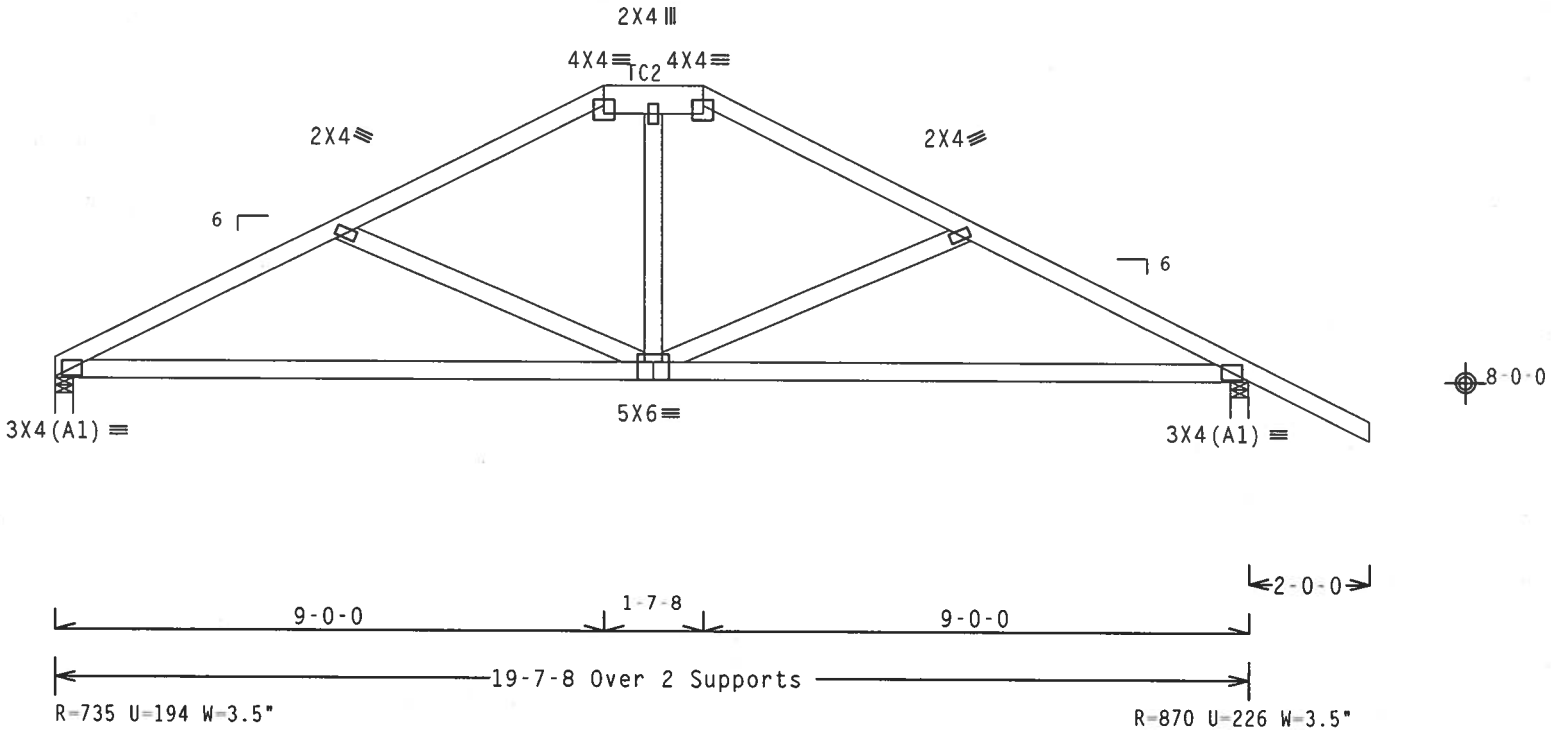
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14 :TC2 2x6 SP #1 Dense:
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 56 PLF at 0.00 to 56 PLF at 21.63
BC - From 20 PLF at 0.00 to 20 PLF at 19.63
BC - From 4 PLF at 19.63 to 4 PLF at 21.63

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/3/-/E/-/- Scale =.3125"/Ft.

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

TC LL	20.0 PSF	REF	R8025- 25429
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222109
BC LL	0.0 PSF		HC-ENG HD/WHK
TOT.LD.	37.0 PSF	SEQN-	2779
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-21)

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

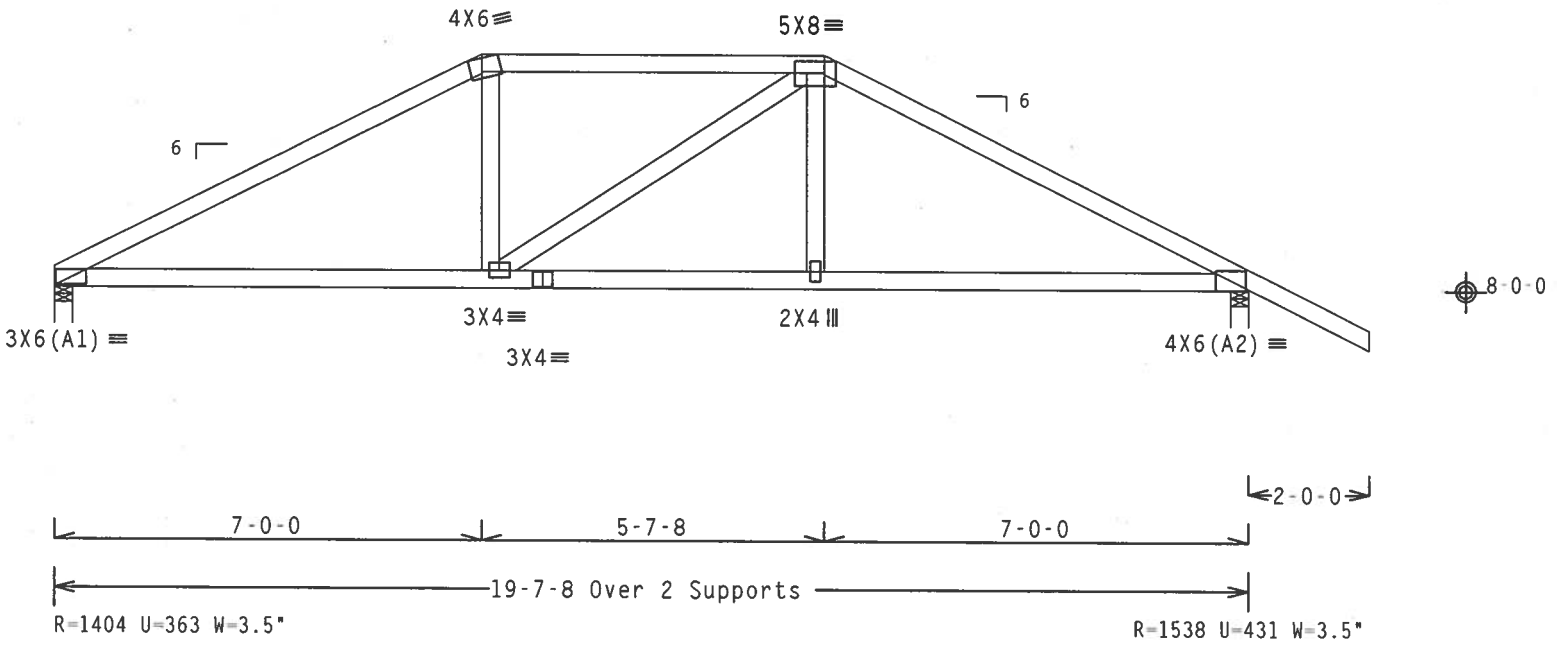
Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

#1 hip supports 7-0-0 jacks with no webs.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/3/-/E/-/- Scale =.3125"/Ft.

ALPINE

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

Aug 16

TC LL	20.0 PSF	REF R8025- 25430
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222123
BC LL	0.0 PSF	HC-ENG HD/WHK
TOT.LD.	37.0 PSF	SEQN- 2775
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-17)

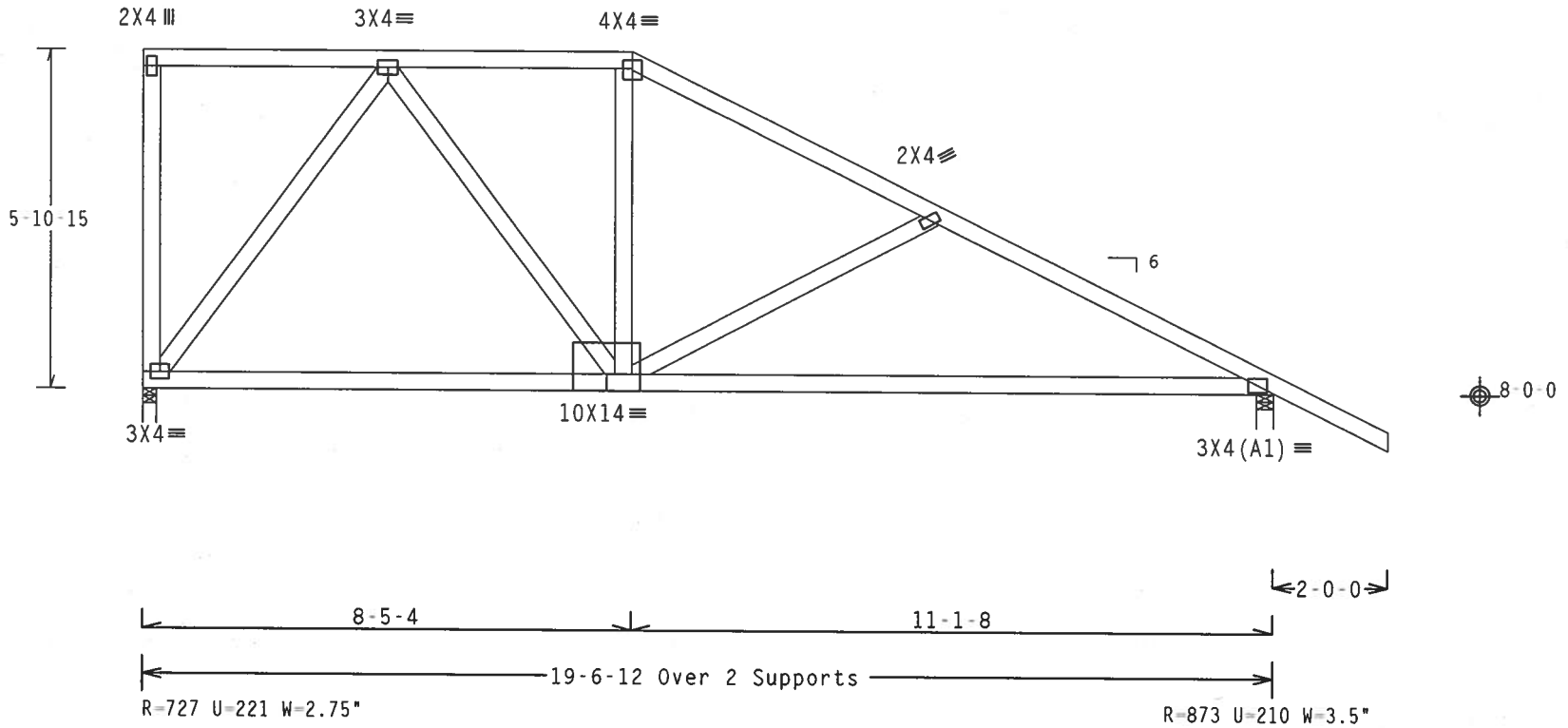
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/3/-/E/-/- Scale =.3125"/Ft.

ALPINE

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FL Certificate of Authorization # 567

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

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

Aug 10 06

TC LL	20.0 PSF	REF R8025- 25431
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222113
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	37.0 PSF	SEQN- 2796
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

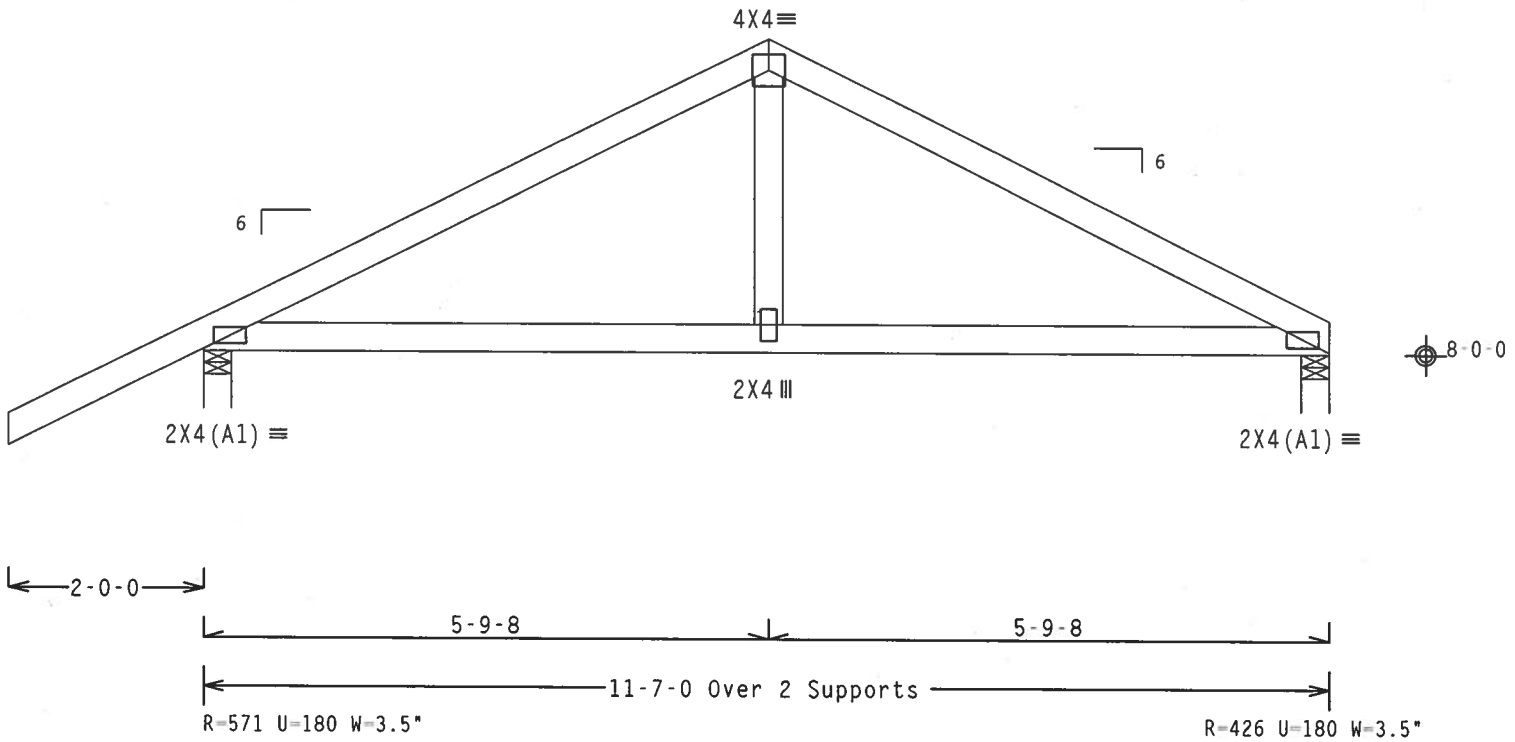
(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-23)

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

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.16 QTY:1 FL/-/3/-/E/-/- 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

TC LL	20.0 PSF	REF	R8025- 25432
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222122
BC LL	0.0 PSF		HC-ENG CC/WHK *
TOT.LD.	37.0 PSF	SEQN-	2759
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-24)

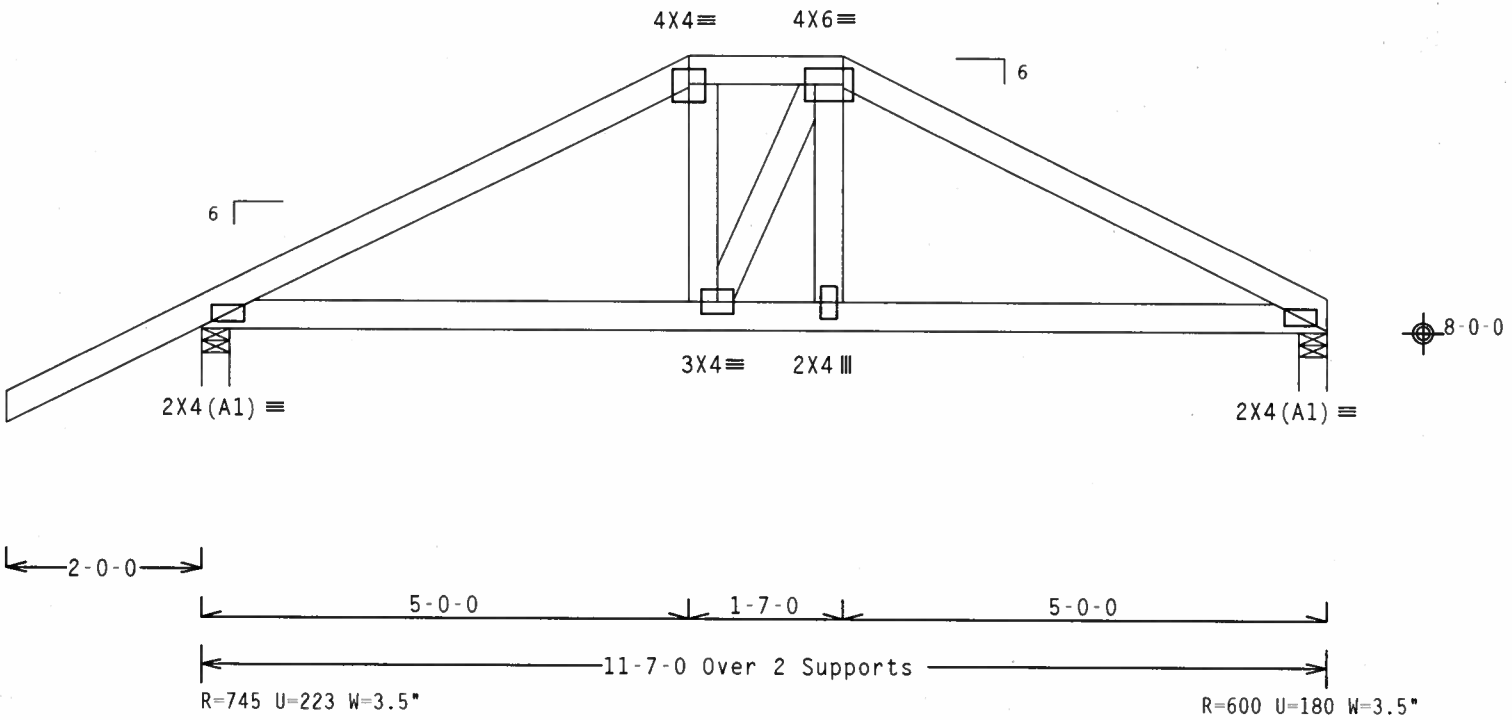
THIS BAG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

#1 hip supports 5-0-0 jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cg/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/3/-/E/-/- 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
Aug 10 '06

TC LL	20.0 PSF	REF	R8025- 25433
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222108
BC LL	0.0 PSF		HC-ENG HD/WHK
TOT.LD.	37.0 PSF	SEQN-	10200
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-22)

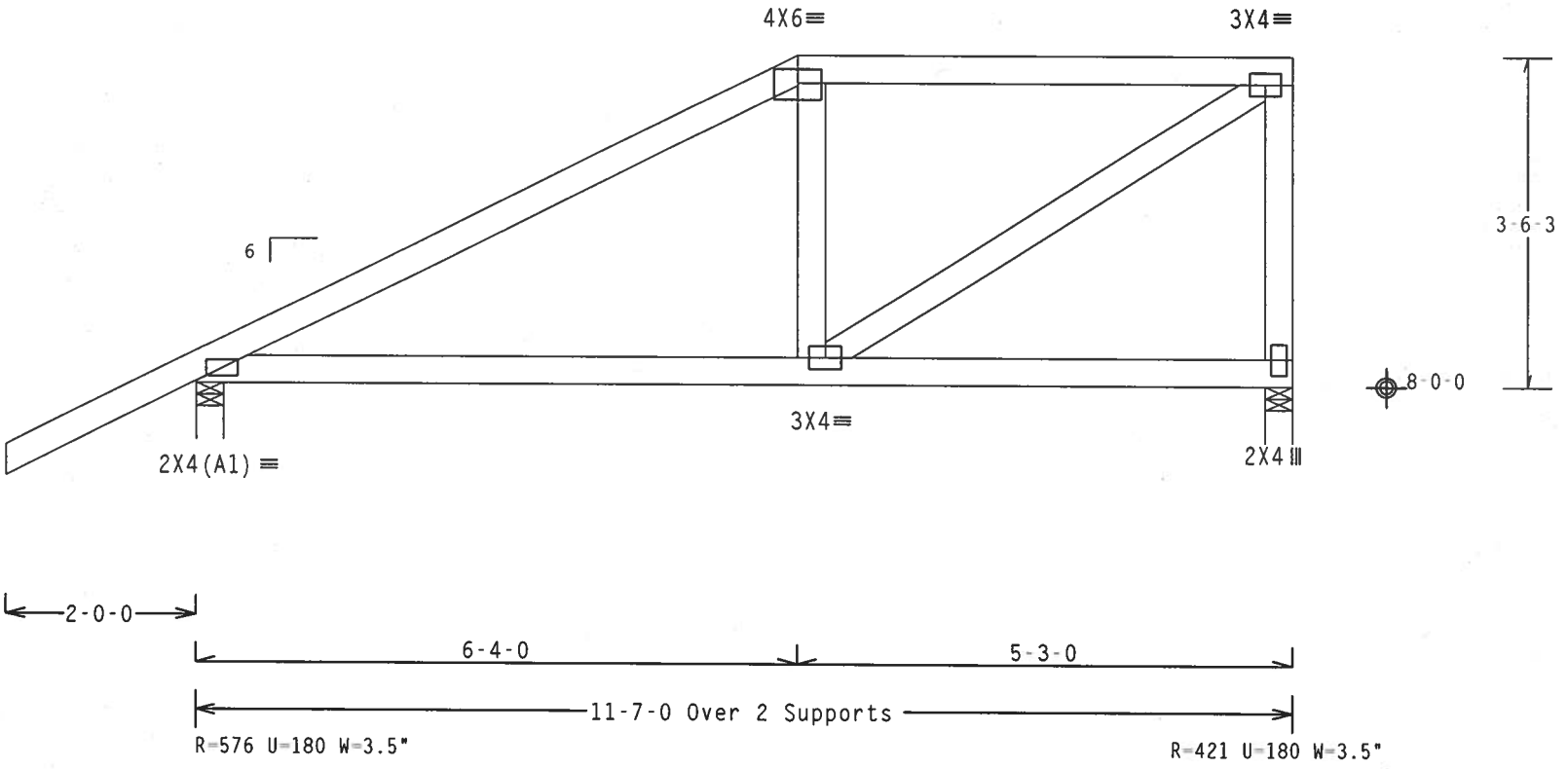
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 16

QTY:1 FL/-/3/-/E/-/- 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

Aug 10 06

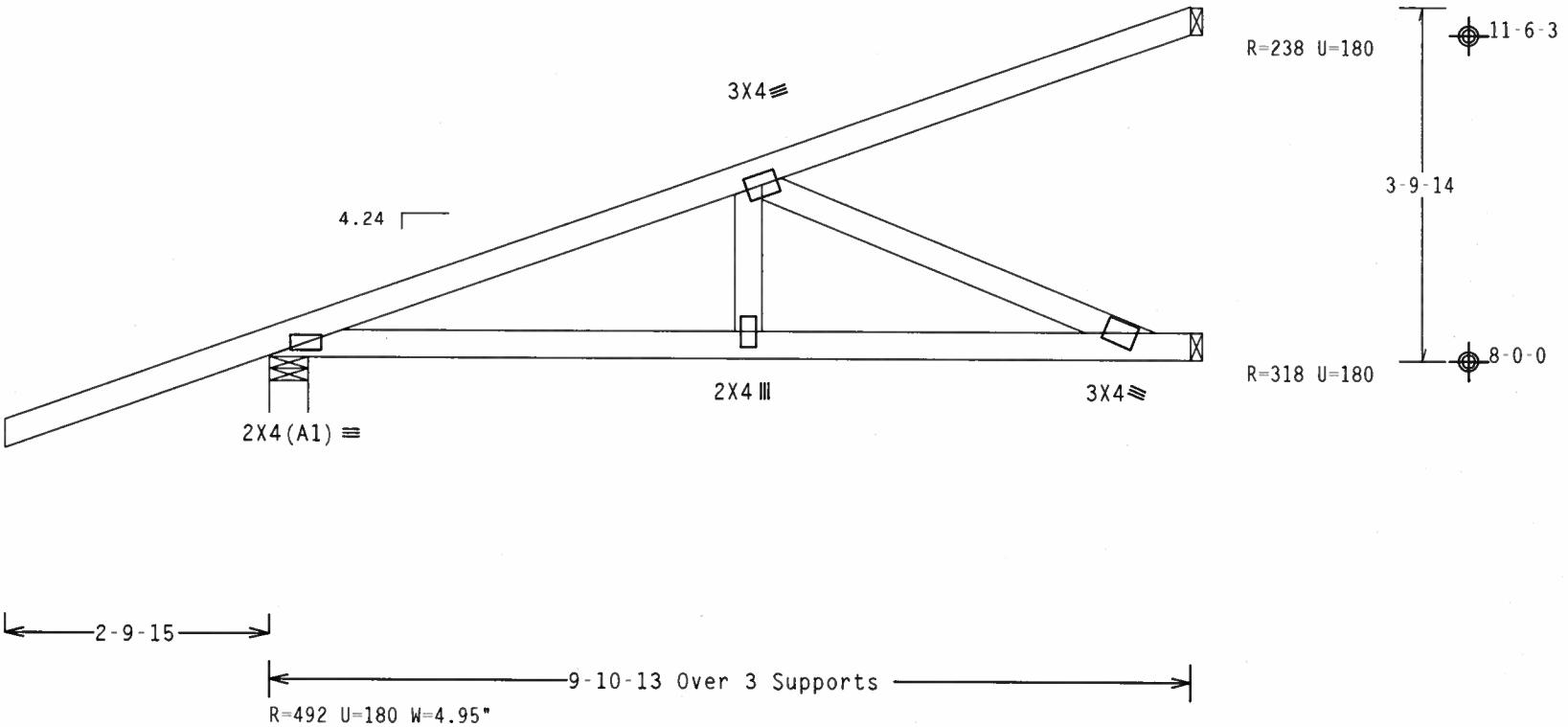
TC LL	20.0 PSF	REF R8025- 25434
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222115
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	37.0 PSF	SEQN- 2762
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/3/-/E/-/- 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. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Aug 10 06

TC LL	20.0 PSF	REF R8025- 25435
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222110
BC LL	0.0 PSF	HC-ENG HD/WHK
TOT.LD.	37.0 PSF	SEQN- 10191
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - HJ7 DOUBLE BEVEL)

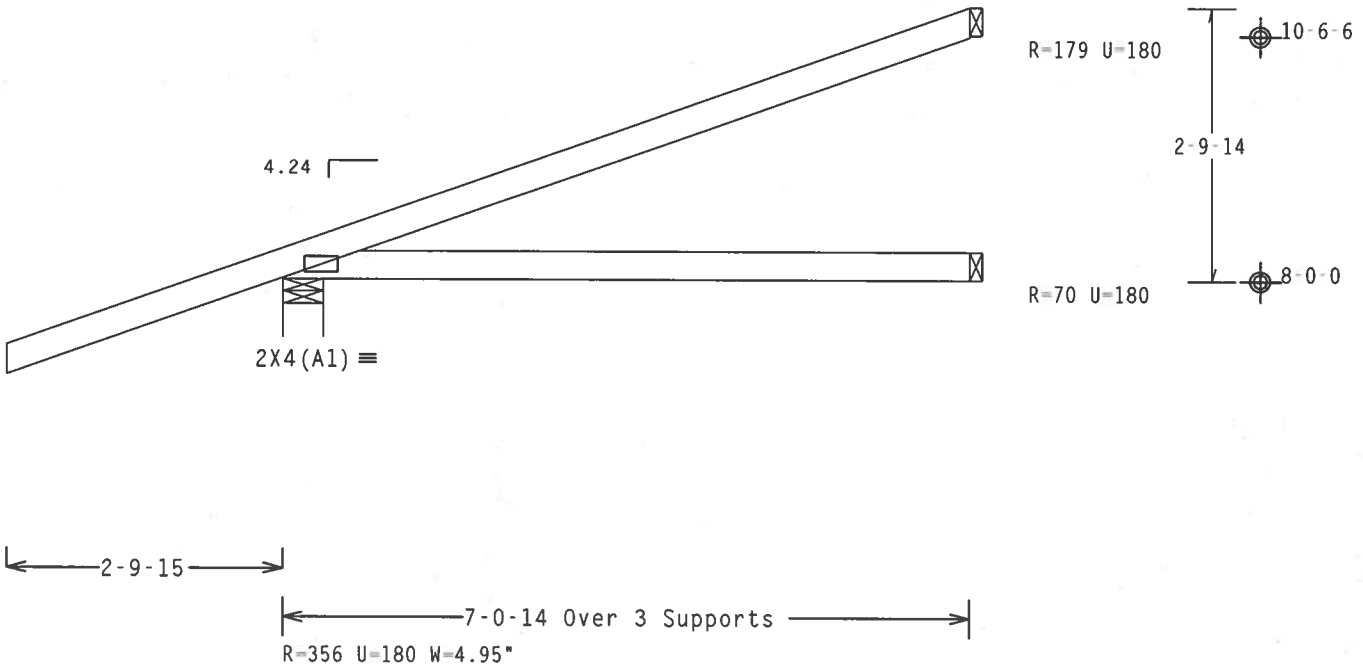
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

QTY:1 FL/-/3/-/E/-/- 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 LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

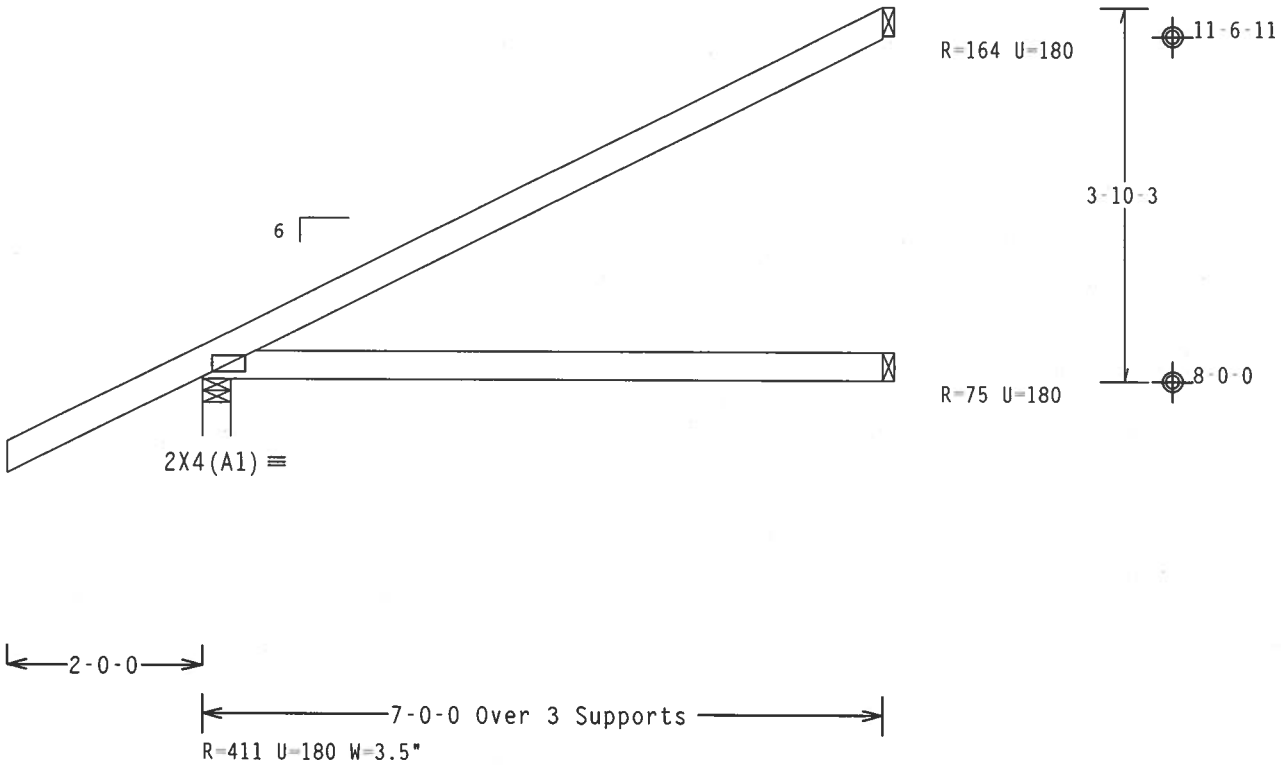
Aug 10 06

TC LL	20.0 PSF	REF R8025- 25436
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222118
BC LL	0.0 PSF	HC-ENG HD/WHK
TOT.LD.	37.0 PSF	SEQN- 10189
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1230 1
QTY:1 FL/-/3/-/E/-/- Scale =.5"/Ft.

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

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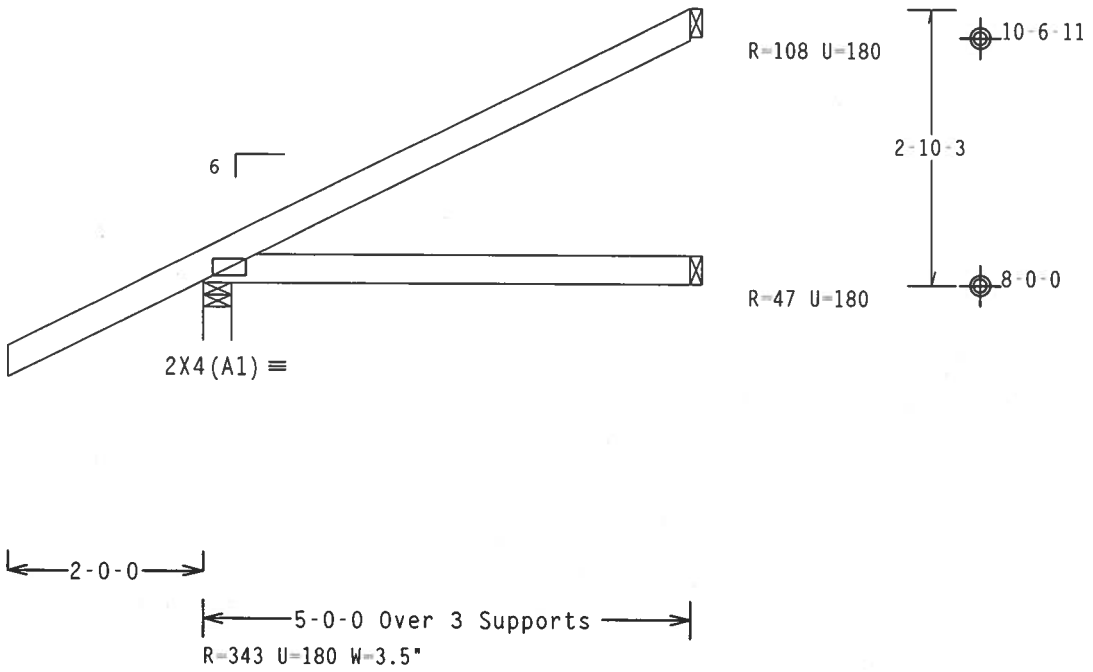
JAMES F. COLVINS, JR. LICENSE No. 52219 STATE OF FLORIDA PROFESSIONAL ENGINEER
Aug 10 06

TC LL	20.0 PSF	REF	R8025- 25437
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222112
BC LL	0.0 PSF	HC-ENG	CC/WHK *
TOT.LD.	37.0 PSF	SEQN-	10185
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.



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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- Scale =.5"/Ft.

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

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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

Aug

TC LL	20.0 PSF	REF R8025- 25438
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222111
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	37.0 PSF	SEQN- 10197
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

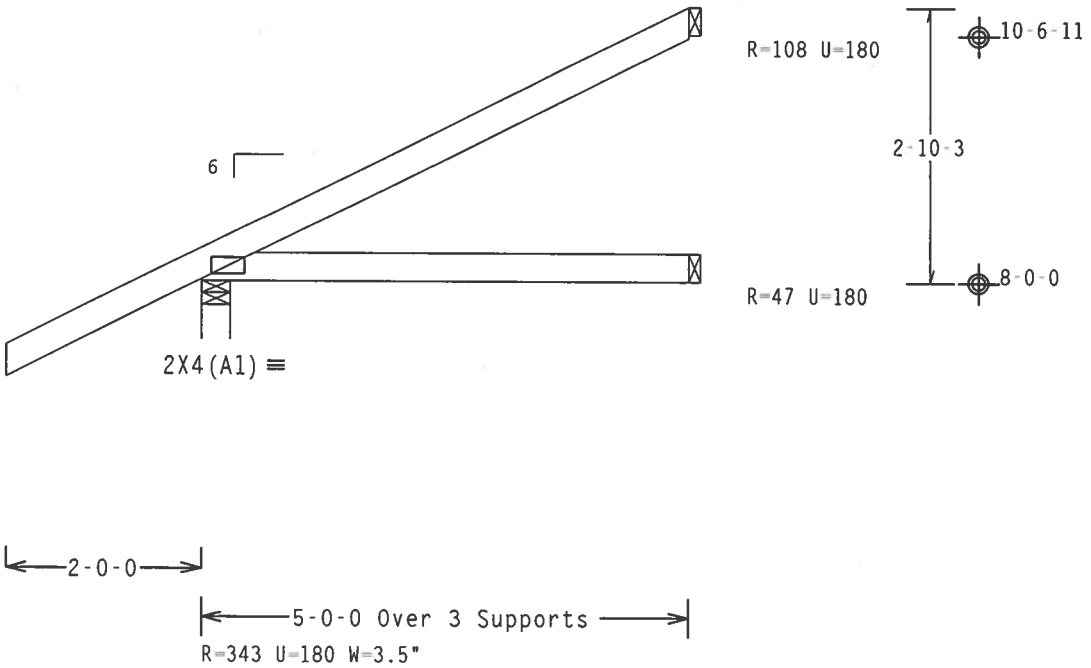
(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - J5 NO BEVEL)

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

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.



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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- 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 LICENSEE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

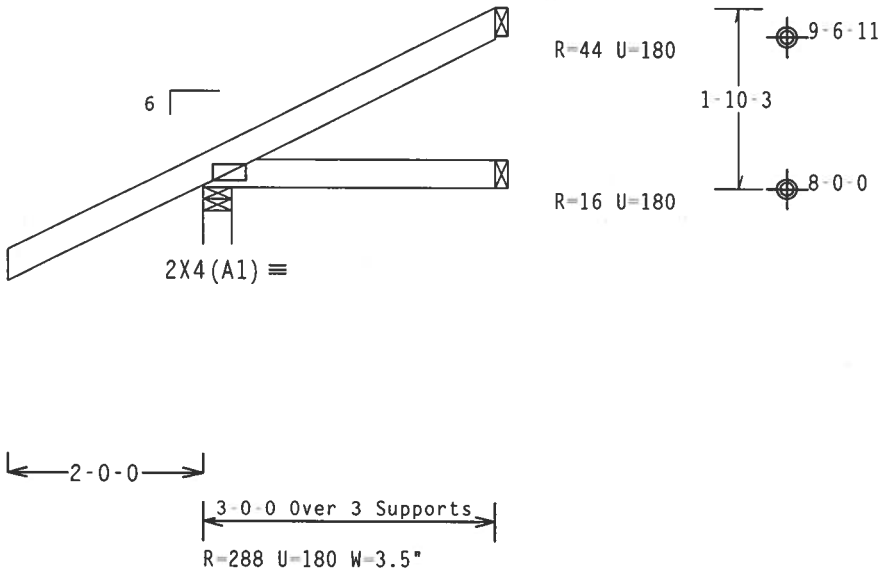
Aug

TC LL	20.0 PSF	REF	R8025- 25439
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222121
BC LL	0.0 PSF		HC-ENG CC/WHK *
TOT.LD.	37.0 PSF	SEQN-	10195
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.



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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- Scale =.5"/Ft.

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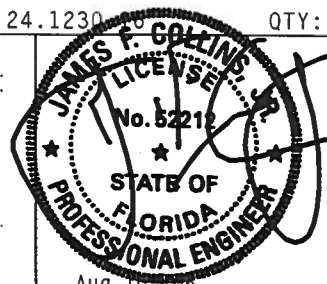


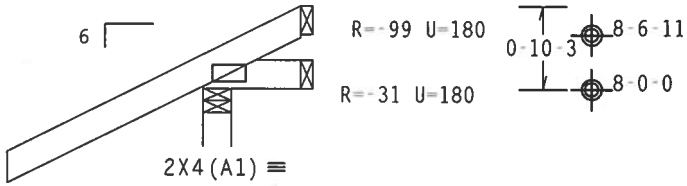
Aug 10 06

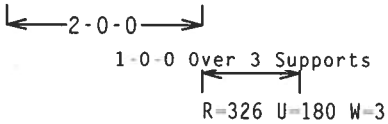
TC LL	20.0 PSF	REF R8025- 25440
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222119
BC LL	0.0 PSF	HC-ENG CC/WHK *
TOT.LD.	37.0 PSF	SEQN- 10193
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.





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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- Scale =.5"/Ft.

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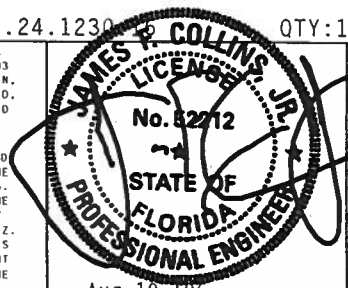


Aug 10 '06

TC LL	20.0 PSF	REF R8025- 25441
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222120
BC LL	0.0 PSF	HC-ENG HD/WHK
TOT.LD.	37.0 PSF	SEQN- 10187
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. LOT 36 SAMUEL W/TRAY HIP -- , FL - J7A no bevel)

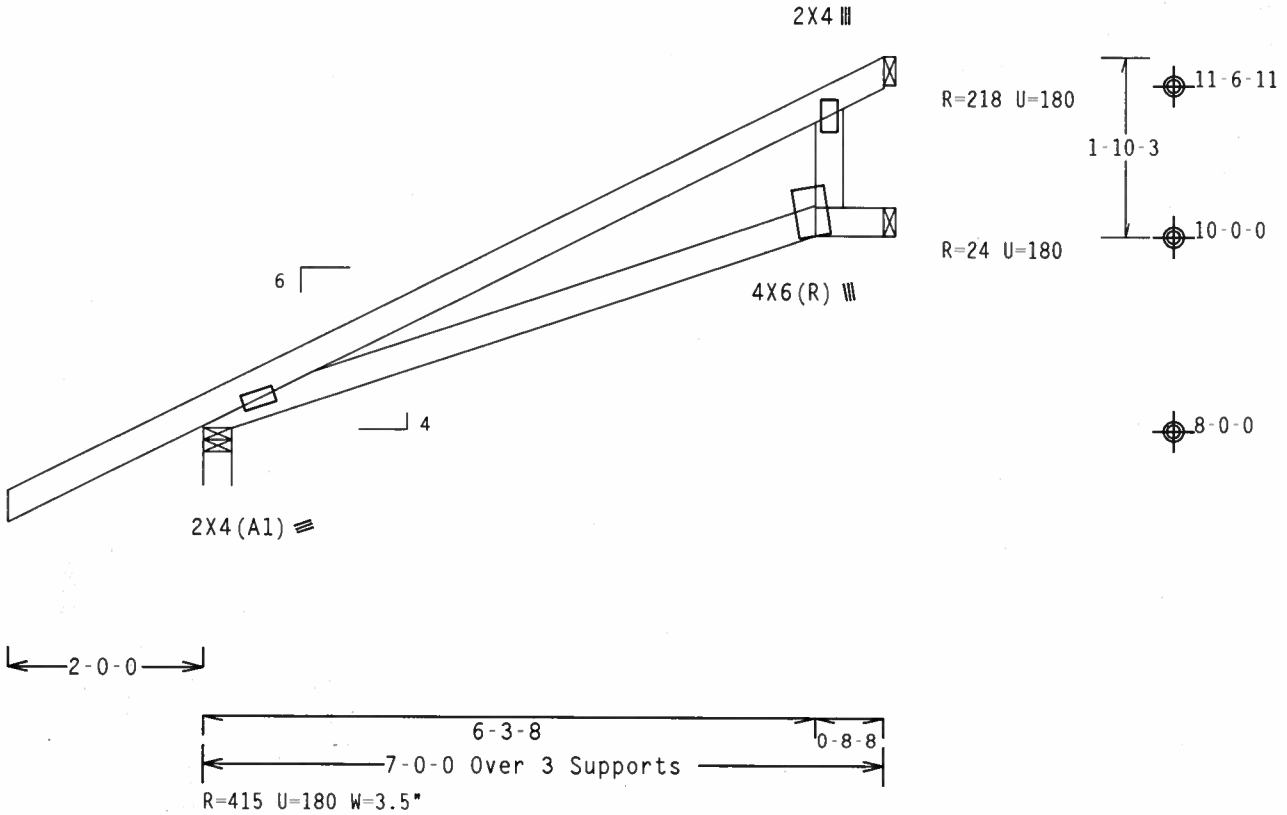
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Shim all supports to solid bearing.



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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Aug 10 '06

TC LL	20.0 PSF	REF R8025- 25442
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222078
BC LL	0.0 PSF	HC-ENG SSB/AF *
TOT.LD.	37.0 PSF	SEQN- 27682
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP , FL - HJ10A DBL BEVEL)

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

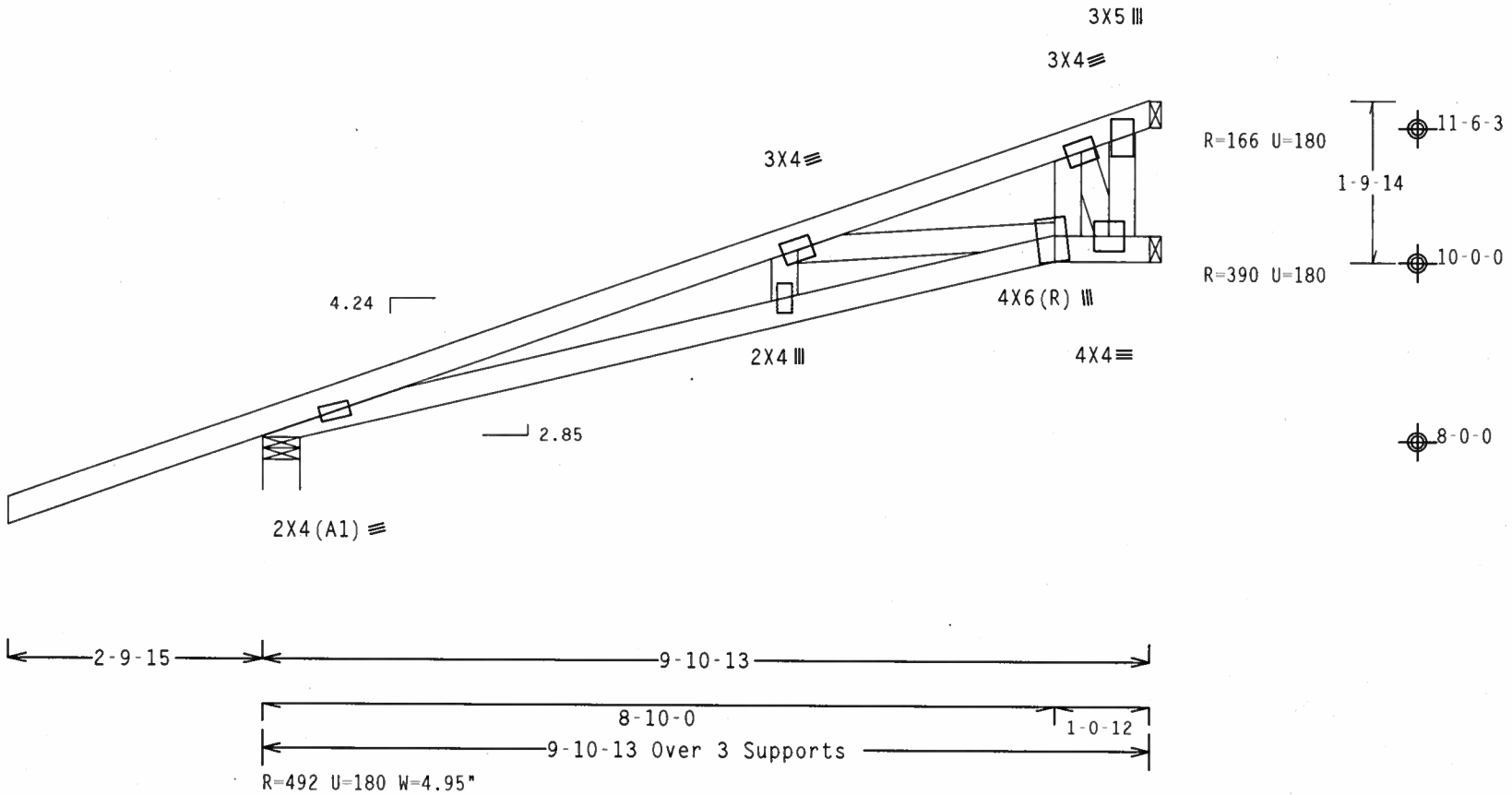
Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14
Webs 2x4 SP #3

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

Shim all supports to solid bearing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

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



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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- 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 LICENSE No. 52217 STATE OF FLORIDA PROFESSIONAL ENGINEER

Aug 10,2006

TC LL	20.0 PSF	REF	R8025- 25443
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222079
BC LL	0.0 PSF	HC-ENG	SSB/AF
TOT.LD.	37.0 PSF	SEQN-	27701
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - CJ5A DBL BEVEL)

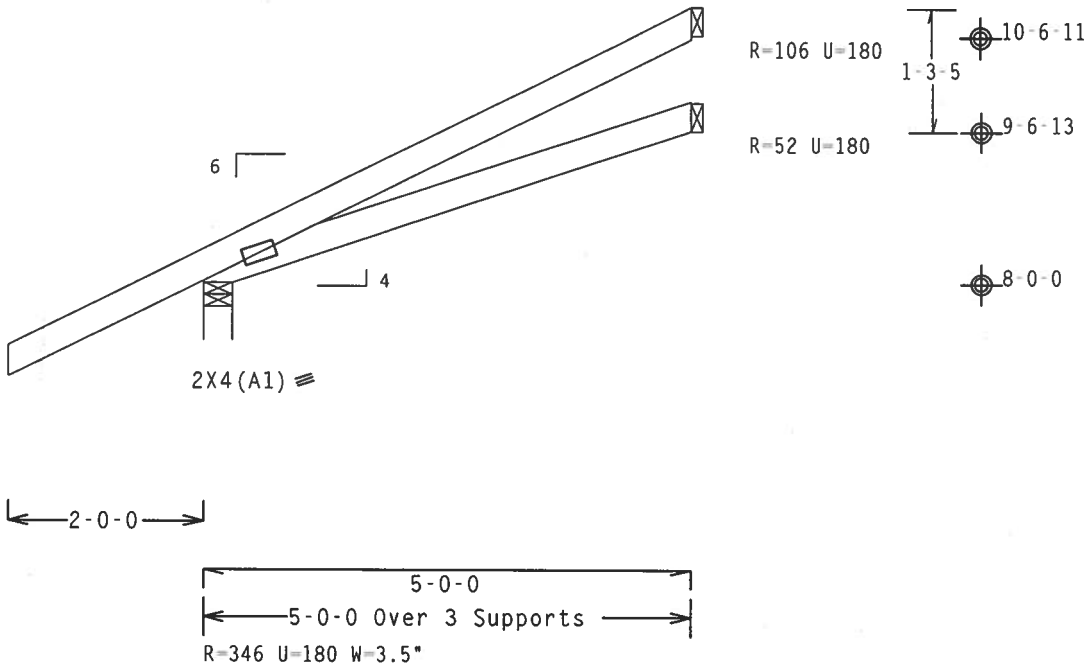
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Shim all supports to solid bearing.



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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R8025- 25444
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222080
BC LL	0.0 PSF	HC-ENG	SSB/AF *
TOT.LD.	37.0 PSF	SEQN-	27705
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

ALPINE
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Aug 10 06

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - CJ3A DBL BEVEL)

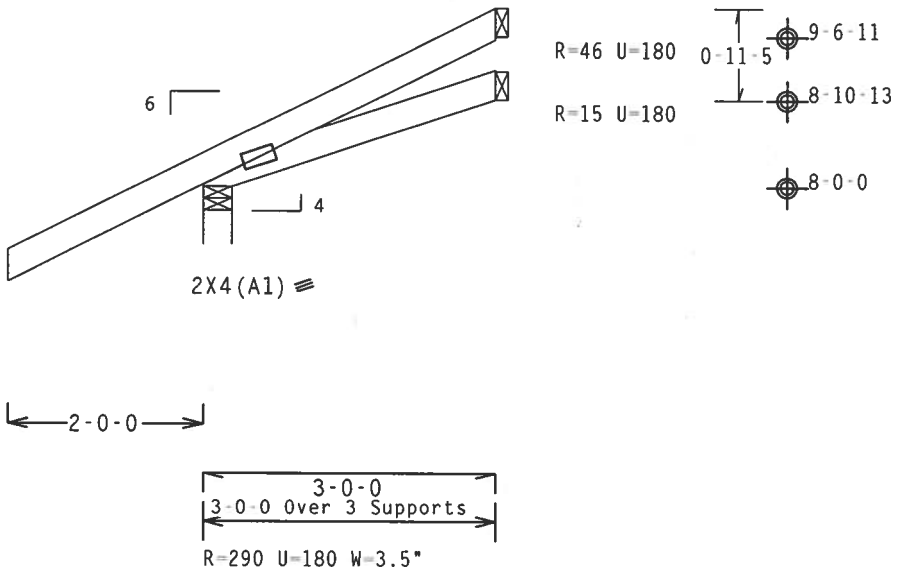
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg,
Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Shim all supports to solid bearing.



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

PLT TYP. Wave QTY:1 FL/-/3/-/E/-/- Scale =.5"/Ft.

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Haines City, FL 33844
FL Certificate of Authorization # 567

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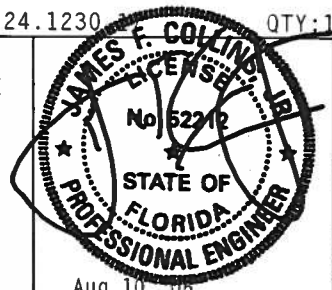
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS 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.



Aug 10 06

TC LL	20.0 PSF	REF R8025- 25445
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222081
BC LL	0.0 PSF	HC-ENG SSB/AF *
TOT.LD.	37.0 PSF	SEQN- 27708
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - CJ1A CUT DOWN TO 1' JACKS DBL BEVEL)

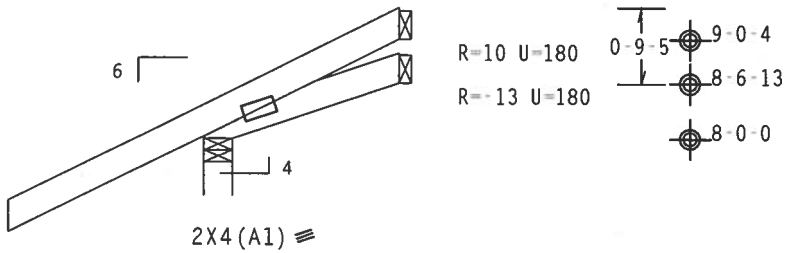
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg,
Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind
BC DL=5.0 psf.

Shim all supports to solid bearing.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cg/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/3/-/E/-/- Scale =.5"/Ft.

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

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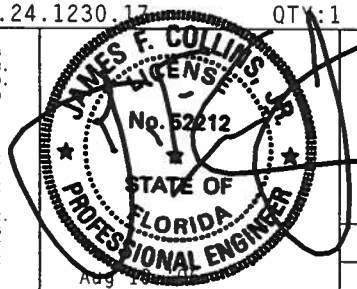


TC LL	20.0 PSF	REF R8025- 25446
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222082
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27717
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-11)

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

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14 :BC2 2x4 SP SS:
Webs 2x4 SP #3 :W1 2x6 SP #1 Dense:

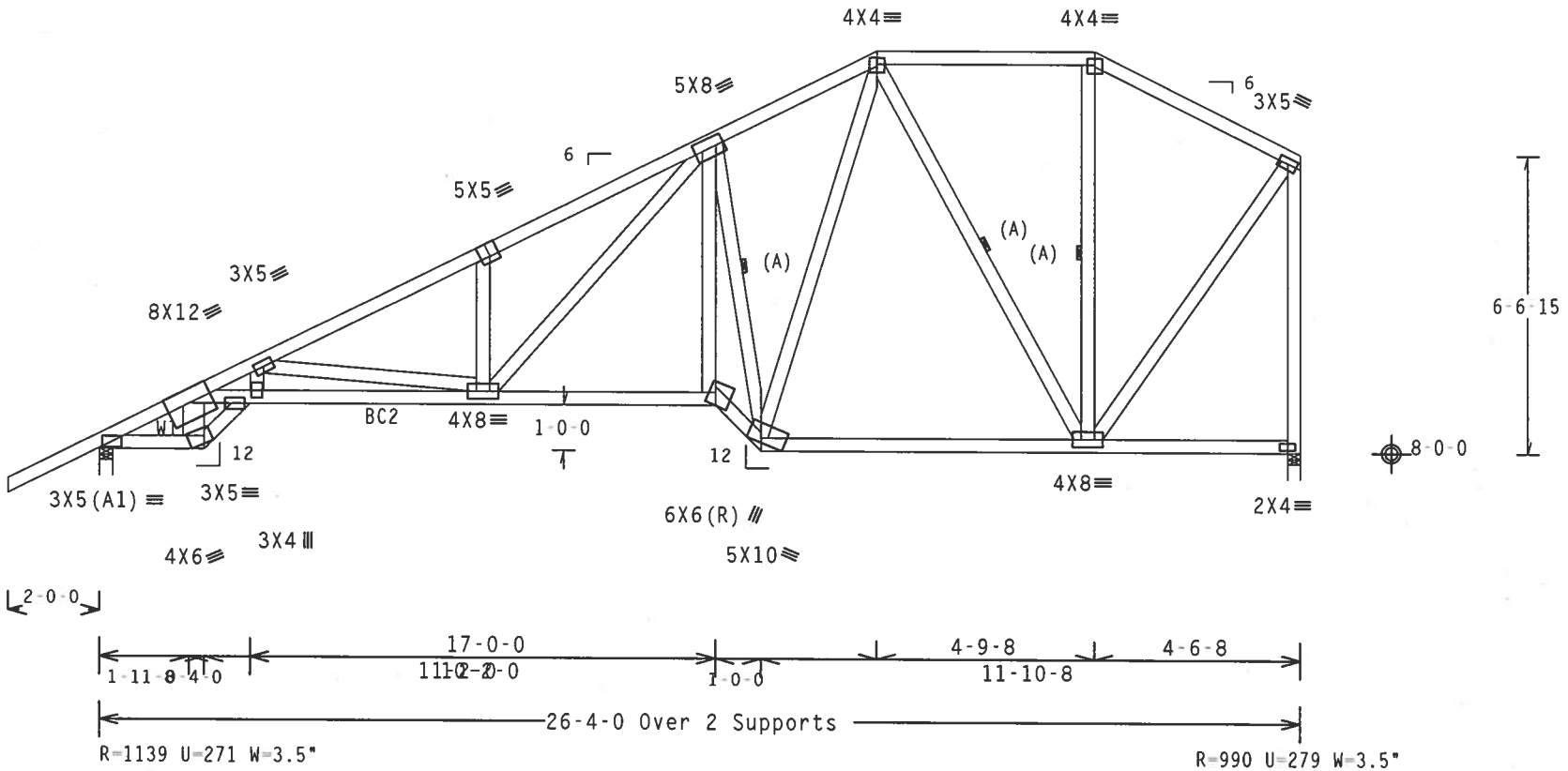
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230 ... QTY:1 FL/-/3/-/E/-/- Scale =.25"/Ft.

ALPINE

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

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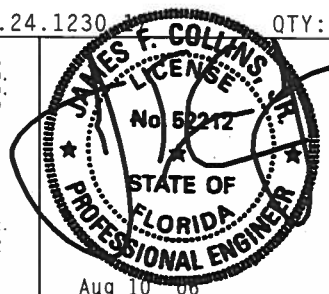


Aug 10 06

TC LL	20.0 PSF	REF	R8025- 25447
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222083
BC LL	0.0 PSF		HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN-	27798
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14 :BC2 2x4 SP SS:
Webs 2x4 SP #3 :W1 2x6 SP #1 Dense:

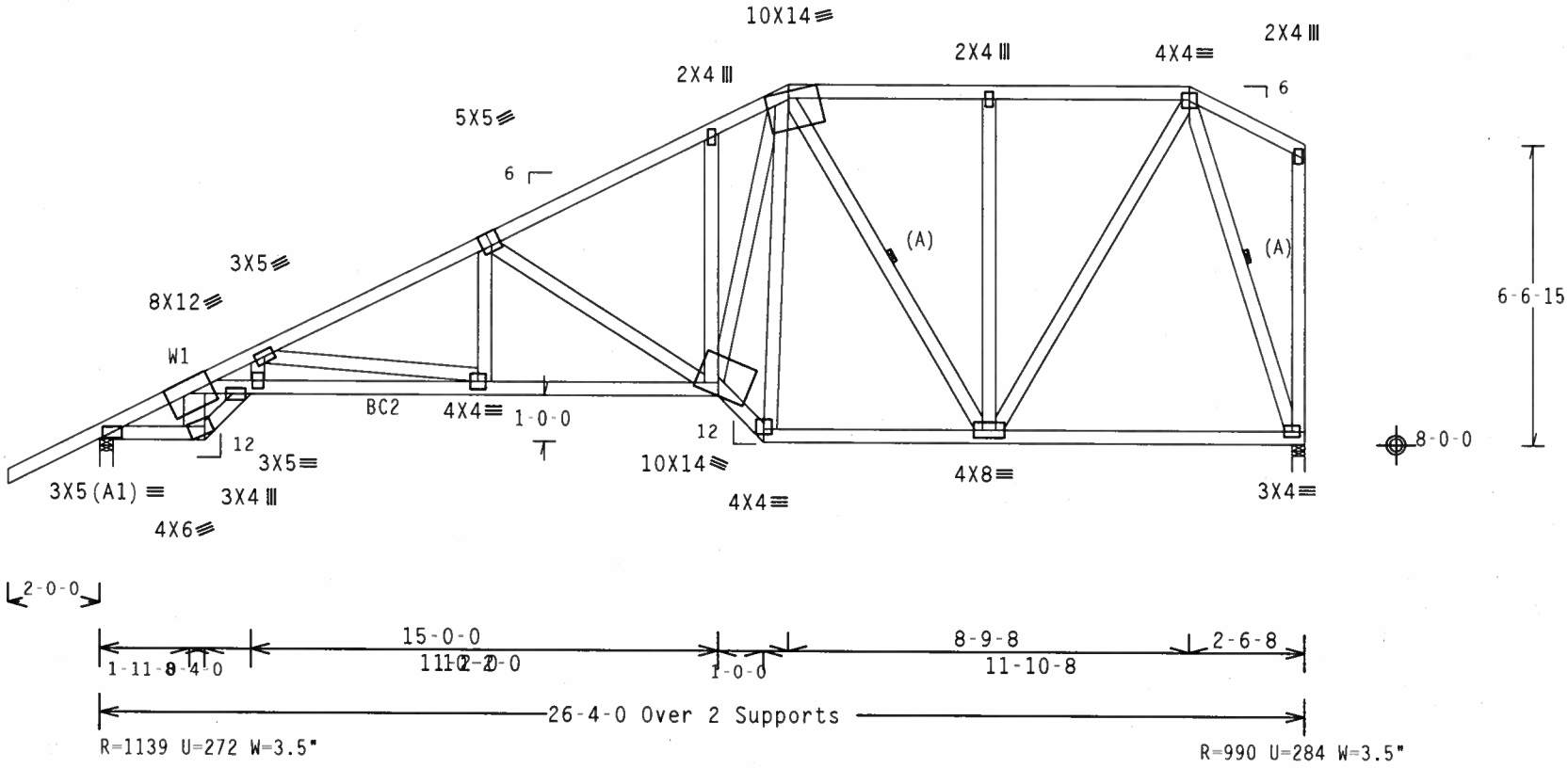
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



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

PLT TYP. Wave

QTY:1 FL/-/3/-/E/-/- Scale =.25"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
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JAMES F. COLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8025- 25448
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222084
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27795
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-13)

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14 :BC2 2x4 SP SS:
Webs 2x4 SP #3 :W1 2x6 SP #1 Dense:

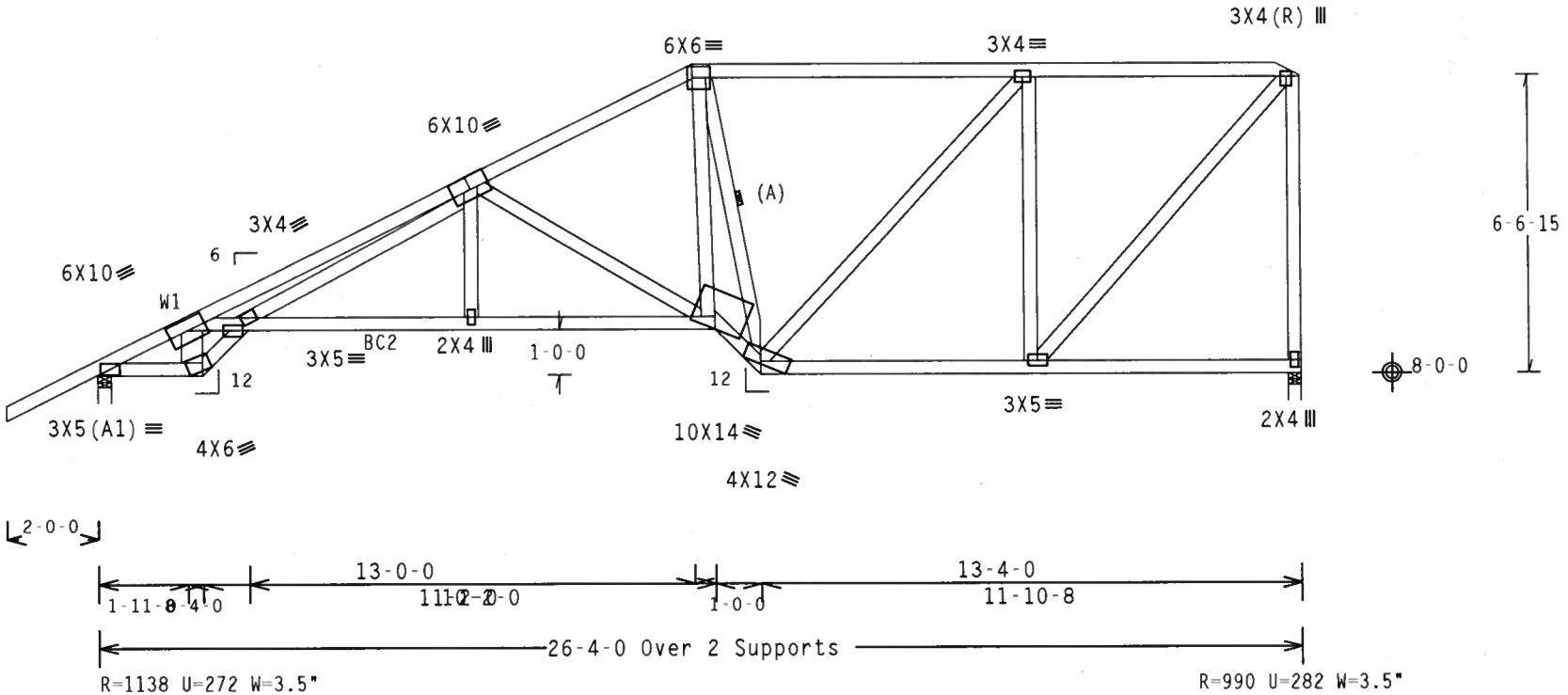
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/3/-/E/-/- Scale =.25"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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JAMES F. COLLINS LICENSE No.52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Aug 10 '06

TC LL	20.0 PSF	REF R8025- 25449
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222085
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27792
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :BC2 2x4 SP SS:
Webs 2x4 SP #3 :W1 2x6 SP #1 Dense:

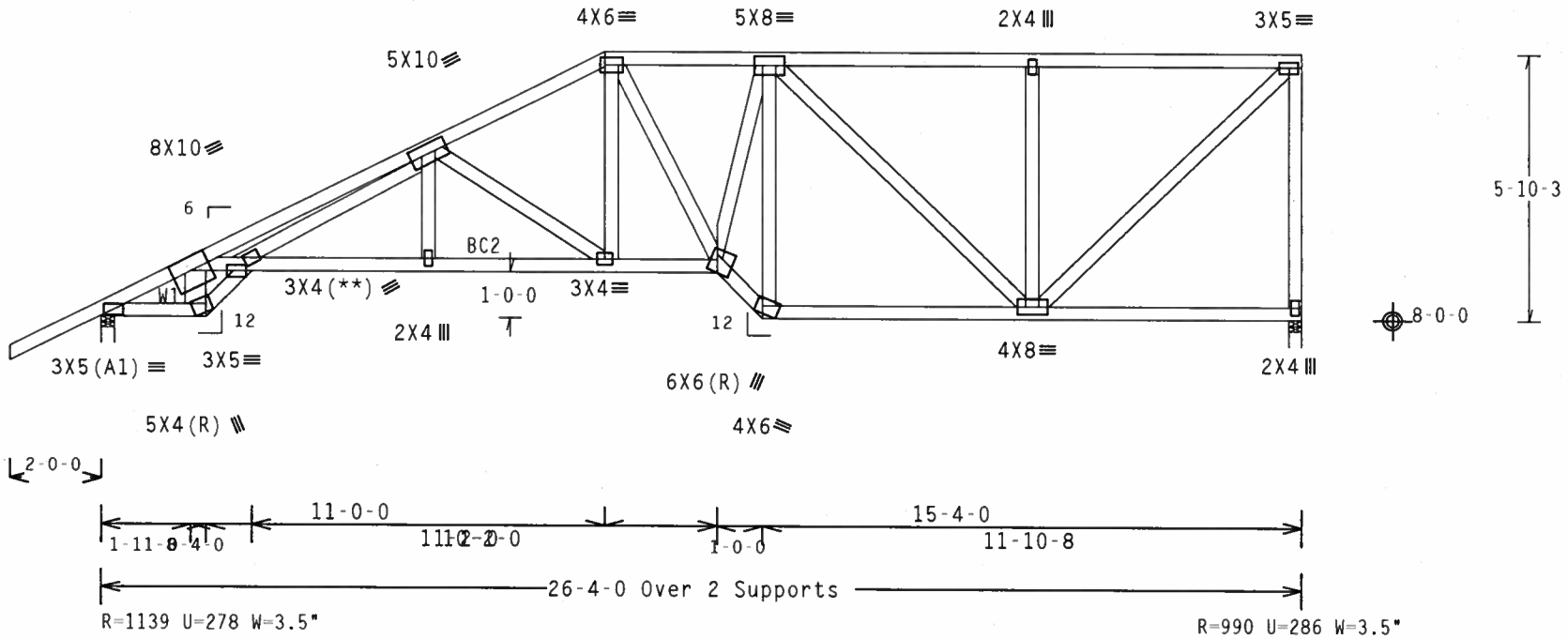
Deflection meets L/360 live and L/240 total load.

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

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.25.0411 [illegible] QTY:1 FL/-/3/-/E/-/- Scale =.25"/Ft.

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Aug 10 06

TC LL	20.0 PSF	REF	R8025- 25450
TC DL	7.0 PSF	DATE	08/10/06
BC DL	10.0 PSF	DRW	HCUSR8025 06222087
BC LL	0.0 PSF	HC-ENG	SSB/AF
TOT.LD.	37.0 PSF	SEQN-	68629 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SZN8025Z04

(06-0102--CORNERSTONE DEV. -LOT 36 SAMUEL W/TRAY HIP -- , FL - T-15)

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

Top chord 2x4 SP #2Dense or M-14
Bot chord 2x4 SP #2Dense or M-14 :BC2 2x4 SP SS:
Webs 2x4 SP #3 :W1 2x6 SP #1 Dense:

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

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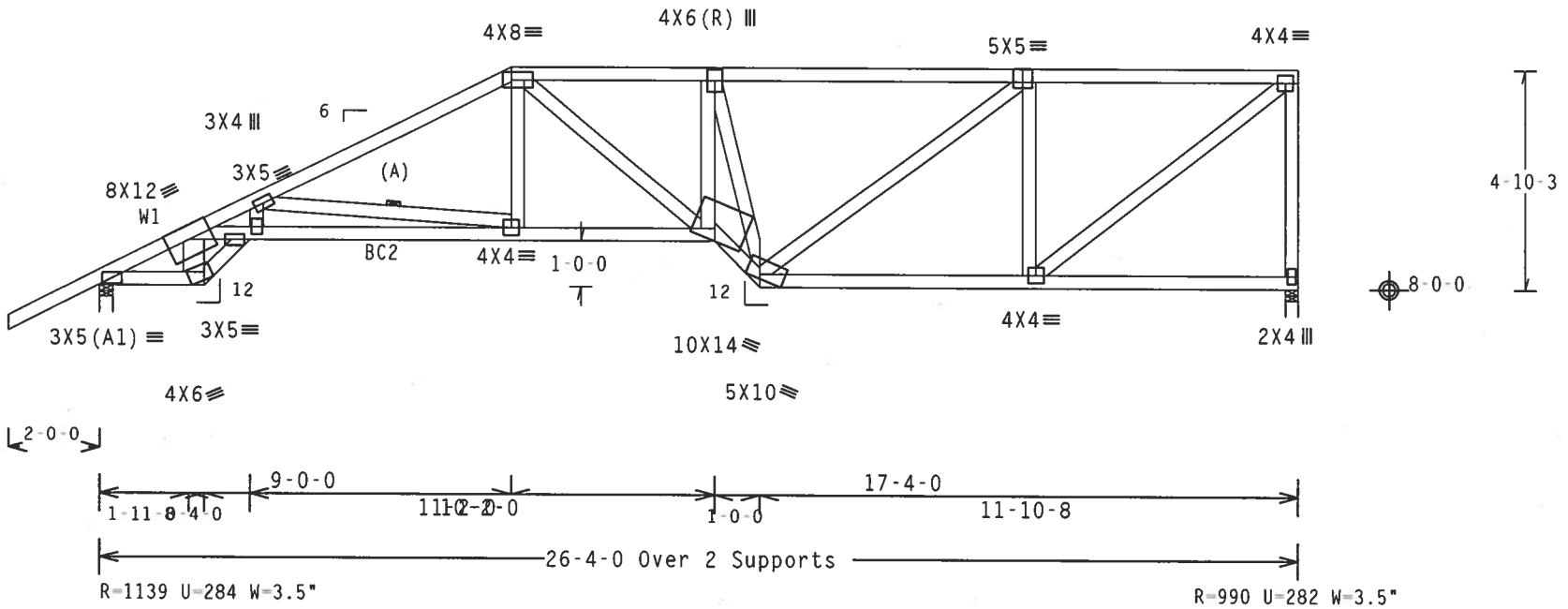
Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 QTY:1 FL/-/3/-/E/-/- Scale =.25"/Ft.

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

Aug

TC LL	20.0 PSF	REF R8025- 25451
TC DL	7.0 PSF	DATE 08/10/06
BC DL	10.0 PSF	DRW HCUSR8025 06222086
BC LL	0.0 PSF	HC-ENG SSB/AF
TOT.LD.	37.0 PSF	SEQN- 27789
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SZN8025Z04

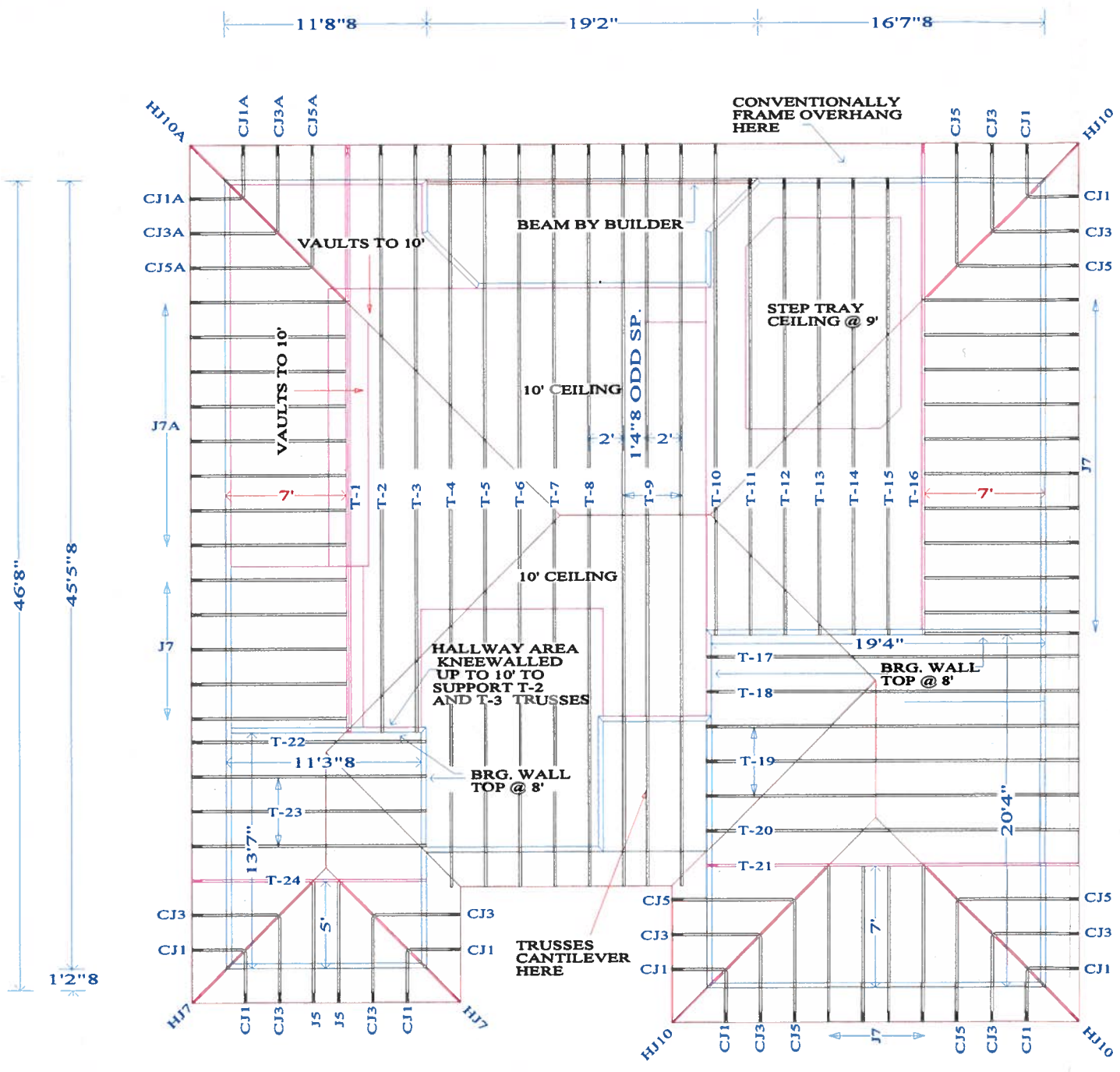

PLATE HEIGHTS

8'-0" PLATE

manning BUILDING SUPPLIES INCORPORATED

530 NW 1ST AVE
OCALA, FL 34475
(352) 622-8175

ORDER NUMBER:	06-0076
CUSTOMER:	CORNERSTONE
JOB DESCRIPTION:	LOT 28 GRANDVIEW
JOB LOCATION:	ALACHUA COUNTY, FL.
TRUSS DESIGNER:	SEAN RUSH
SQ FT UNDER ROOF:	1974
PITCH:	6/12
OVERHANG:	24" O.H.
OVERHANG CUT:	PLUMB
BEARING SIZE:	3.5"
BEAT PLATES:	NO
CEILING:	8'0" FLAT U.N.O.
ENG. LOADING:	37# TOTAL SHINGLE ROOF LOAD
TRUSS SPACING:	24" O.C. U.N.O
WIND SPEED:	110 MPH CLOSED
DATE:	07-26-06

TRUSS LAYOUT, DESIGN AND ENGINEERING MUST BE APPROVED & SIGNED BEFORE FABRICATION OF TRUSSES.

X _____

DATE: ____/____/____

NOTICE

MANNING TRUSS WILL NOT ACCEPT ANY BACKCHARGES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE AND APPROVED.

BUILDER TO CONVENTIONALLY FRAME ROOF, VALLEYS AND OVERHANGS AS NEEDED

BUILDER TO FRAME DOWN CEILINGS AS NEEDED

BUILDER TO BUILD UP WALLS AS NEEDED TO MATCH TRUSSES AT RAISED PLATE HEIGHTS

ALL WALLS SHOWN ARE TO BE LOAD BEARING UNLESS OTHERWISE NOTED

VERIFY ALL SPANS AND QUANTITIES AS TRUSSES WILL BE BUILT IN STRICT ACCORDANCE WITH THIS LAYOUT

**********HANGERS**********
NONE

THIS TRUSS LAYOUT HAS BEEN DESIGNED USING THE VIEW PROGRAM, BY ALPINE ENGINEERING.

TRUSS PLATE FLORIDA PRODUCT APPROVAL # IS FL 1995

** DO NOT CUT OR MODIFY TRUSSES **