DATE 07/31/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027227

APPLICANT CURT MCDONALD PHONE 754-5678

ADDRESS PO BOX 2861 LAKE CITY FL 32056

OWNER KAREN TRUESDALE PHONE 961-8293

ADDRESS 210 SE PRESSRUTH DRIVE LAKE CITY FL 32024

CONTRACTOR JL DUPREE CONSTRUCTION PHONE 754-5678

LOCATION OF PROPERTY 90 E R 245 GO 2.5 MILES, R PRESSRUTH DR, 1ST ON RIGHT.

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 237200.00

HEATED FLOOR AREA 4129.00 TOTAL AREA 4744.00 HEIGHT 26.00 STORIES 15

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 14-4S-17-08354-001 SUBDIVISION Curt O McDonald

LOT BLOCK PHASE UNIT TOTAL ACRES 5.10

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CGC060631	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	08-127-N	BK	JH	N

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, MH TO BE REMOVED 45 DAYS OF ISSUING CO

Check # or Cash 16234

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 $ 1190.00 CERTIFICATION FEE $ 23.72 SURCHARGE FEE $ 23.72

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 $ **TOTAL FEE** 1312.44

INSPECTORS OFFICE Laurie Nelson CLERKS OFFICE CH

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

867-3785

Columbia County Building Permit Application

For Office Use Only Application # 0801-165 Date Received 1/31 By JW Permit # 27227

Zoning Official BLK Date 07.02.08 Flood Zone X FEMA Map # NA Zoning A-3

Land Use A-3 Elevation N/A MFE 1ft above RL River N/A Plans Examiner OKTH Date 2-15-06

Comments * MH +- be permitted ; NO OWNER 45 days of issuing CO

☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor

☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 08-0127-N Fax 386-754-5431

Name Authorized Person Signing Permit J.L. DuPree Const Svcs/Curt McDonald Phone 386-754-5678

Address P.O. Box 2861 Lake City, FL 32056

Owners Name Karen Truesdale Phone Jon 466-1023 H 961-8293 H

911 Address 210 SE Press Ruth Drive

Contractors Name J.L. DuPree Construction Services Inc Phone 386-754-5678

Address P.O. Box 2861 Lake City, Fl 32056

Fee Simple Owner Name & Address John & Ericka Truesdale RT 12 Box 86 Lake City, Fl 32056

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Architect- Teena Ruffo 6429 NW Lake Jeffrey Rd. Lake City Fl 32024 Engineer- Mark Disosway P.O. Box 868 Lake City, Fl 32056

Mortgage Lenders Name & Address First Federal 4705 W US 90 Hwy, Lake City, Fl 32055

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

Property ID Number 14-4S-17-08354-001 Estimated Cost of Construction #284,640

Subdivision Name N/A Lot N/A Block N/A Unit N/A Phase N/A

Driving Directions Hwy 90 East (R) 245 Price Creek Rd 2.5 miles (R) Press Ruth Dr. 1st residence on (R)

Number of Existing Dwellings on Property * 1

Construction of a Single Family Home. Total Acreage 5.1 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 26'

Actual Distance of Structure from Property Lines - Front 130' Side 160' Side 80' Rear 440'

Number of Stories 1½ Heated Floor Area 3649 Total Floor Area 4744 Roof Pitch 6:12

4,712.9

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.

(Called the office 7-31-08 LH) # 16224 Spoke to Curt 2/18/08

To: Curt

Columbia County Building Permit Application

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

_____

Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

_____

Contractor's Signature (Permitee)

Contractor's License Number CG-C060631
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.

Personally known_____ or Produced Identification_____

_____ **SEAL:**

State of Florida Notary Signature (For the Contractor)

To: Curt

Columbia County Building Permit Application

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Contractor's License Number CG-C060631
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 1 **day of** August **20**08

Personally known ✓ **or Produced Identification** _____

Renee J Morgan
State of Florida Notary Signature (For the Contractor)

SEAL:

NOTARY PUBLIC-STATE OF FLORIDA
Renee J. Morgan
Commission # DD717617
Expires: SEP. 23, 2011
BONDED THRU ATLANTIC BONDING CO., INC.

RECEIVED
JUL 31 2008

Page 2 of 2 (Both Pages must be submitted together.)

Revised 11-30-07

J.L DuPree Construction Services, Inc.
P.O Box 2861 Lake City, Florida 32056
(386) 754-5678 Fax: (386) 754-5431
CG-C060631

January 31,2008
Re: Building Permits

To Whom it may concern,

I am hereby authorizing Curt McDonald my Project Manager to pull permits in Columbia County. If you have any questions I can be reached at our office 386-754-5678.

Sincerely,

J.L. DuPree

NOTARY PUBLIC-STATE OF FLORIDA
Renee J. Morgan
Commission # DD717617
Expires: SEP. 23, 2011
BONDED THRU ATLANTIC BONDING CO., INC.

Renee J Morgan

Recording Fees: $_____
Documentary Stamps: +_____
Total: $

Prepared By And Return To:
SOUTHEAST TITLE GROUP, LLP
Address: 2015 So. First Street
Lake City, Fl 32056
SE File #99Y-05049/DH

Property Appraisers Parcel I.D. Number(s):
[redacted]
Grantee(s) S.S.#(s): 261-76-4337

99-08934

Documentary Stamp 163.80
Intangible Tax _____
P. DeWitt Cason
Clerk of Court
By GMW D.C.

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, F
1999 MAY 24 PM 12:57
RECORDED IN PUBLIC
R GMW

WARRANTY DEED

THIS WARRANTY DEED made and executed the 21st day of May, 1999 by JON T. TRUESDALE and ERICKA L. TRUESDALE, HIS WIFE, hereinafter called the Grantor, to KAREN TRUESDALE, A SINGLE PERSON, whose post office address is: RT. 7, BOX 370, LAKE CITY, FL 32055, hereinafter called the Grantee:

(Wherever used herein the terms "Grantor" and "Grantee" shall include singular and plural, heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

WITNESSETH: That the Grantor, for and in consideration of the sum of TEN DOLLARS ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee all that certain land situate, lying and being in COLUMBIA County, State of Florida, viz:

A PART OF THE NW¼ OF SECTION 14, TOWNSHIP 4 SOUTH, RANGE 17 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF SAID NW¼ AND RUN S 2°26'26"EAST, ALONG THE WEST LINE THEREOF, 1531.03 FEET FOR A POINT OF BEGINNING; THENCE S 86°17'46"EAST, 631.60 FEET TO A POINT ON THE WEST RIGHT OF WAY LINE OF PRESS RUTH ROAD; THENCE S 2°30'EAST, ALONG SAID WEST RIGHT OF WAY LINE, 313.09 FEET; THENCE S 87°30'WEST, 628.30 FEET TO A POINT ON THE WEST LINE OF SAID NW¼; THENCE N 2°26'26"WEST, ALONG SAID WEST LINE 381.35 FEET TO THE POINT OF BEGINNING. SUBJECT TO POWER LINE EASEMENT.

____**If this box is checked, the Grantor warrants that the above described property is not his/her constitutional homestead as defined by the laws of the State of Florida. He/she resides at** _____.

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, and hereby 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 easements, restrictions and reservations of record,if any, and taxes accruing subsequent to December 31, 1998.

IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered
in the presence of:

Witness: DAWNA HERRINGSHAW

JON T. TRUESDALE
Address: RT. 12, BOX 86
LAKE CITY, FL 32025

Witness:

Witness:

ERICKA L. TRUESDALE
Address: RT. 12, BOX 86
LAKE CITY, FL 32025

BK 0881 PG 0047
OFFICIAL RECORDS

STATE OF FLORIDA
COUNTY OF Columbia

I hereby certify that on this day, before me, an officer duly authorized in the State and County aforesaid to take acknowledgements, personally appeared JON T. TRUESDALE and ERICKA L. TRUESDALE, HIS WIFE, who produced the identification described below, and who acknowledged before me that they executed the foregoing instrument.
Witness my hand and official seal in the county and state aforesaid this 21st day of May, 1999.

Notary Public:

DAWNA W. HERRINGSHAW
MY COMMISSION # CC 666405
EXPIRES: November 11, 2001
Bonded Thru Notary Public Underwriters

\P\WDIND.DEE

Recording Fees: $_____
Documentary Stamps: +_____
Total: $

Prepared By And Return To:
SOUTHEAST TITLE GROUP, LLP
Address: 2015 So. First Street
Lake City, Fl 32056
SE File #99Y-05049/DH

Property Appraisers Parcel I.D. Number(s):
[redacted]
Grantee(s) S.S.#(s): 261-76-4337

99-08934

Documentary Stamp 163.80
Intangible Tax _____
P. DeWitt Cason
Clerk of Court
By _____ D.C.

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1999 MAY 24 PM 12:57
RECORD VERIFIED

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Signed, sealed and delivered
in the presence of:

Witness: DAWNA HERRINGSHAW

JON T. TRUESDALE
Address: RT. 12, BOX 86
LAKE CITY, FL 32025

Witness: Bonita Hodwin

ERICKA L. TRUESDALE
Address: RT. 12, BOX 86
LAKE CITY, FL 32025

Witness: Bonita Hodwin

BK 0881 PG 0047
OFFICIAL RECORDS

STATE OF FLORIDA
COUNTY OF Columbia

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DAWNA W. HERRINGSHAW
MY COMMISSION # CC 666405
EXPIRES: November 11, 2001
Bonded Thru Notary Public Underwriters

\F\WDIND.DEE

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@ CAM112M01        CamaUSA Appraisal System                    Columbia County
 1/31/2008 14:37   Legal Description Maintenance    52100  Land   002   *
Year T Property                        Sel                    AG     000
2008 R 14-4S-17-08354-001                ...        28387  Bldg   001   *
       210 PRESS RUTH RD SE                          1600  Xfea   001
HX     TRUESDALE KAREN                              82087  TOTAL       B*

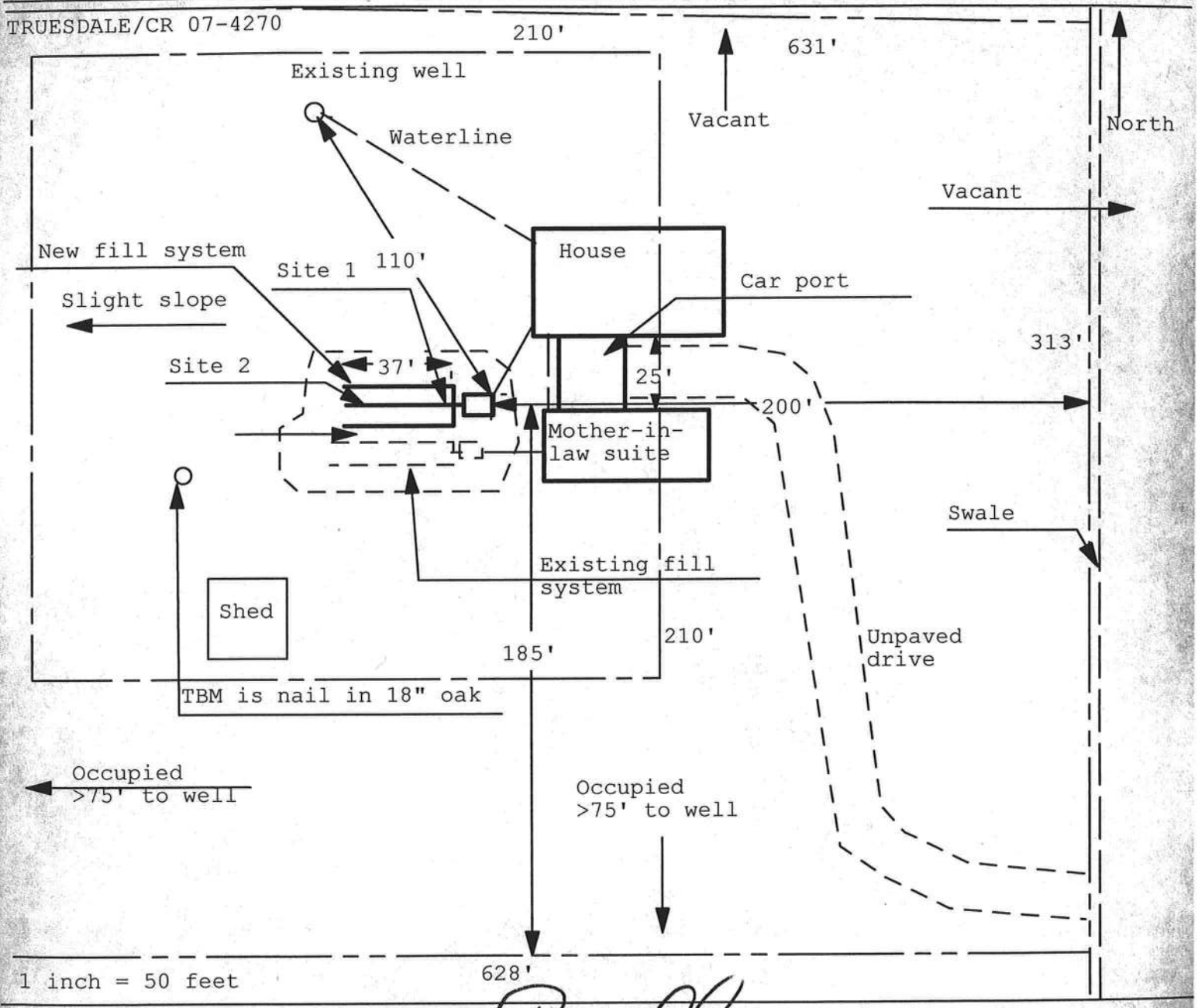
  1  COMM NW COR OF NW1/4, RUN S     1531.03 FT FOR POB, RUN E          2
  3  631.60 FT TO W R/W PRESS-RUTH   RD, RUN S ALONG R/W 313.09 W       4
  5  628.30 FT, N 381.35 FT TO POB   (AKA TRACT 7 NORTH)                6
  7  ORB 881-045, 147,                                                  8
  9                                                                    10
 11                                                                    12
 13                                                                    14
 15                                                                    16
 17                                                                    18
 19                                                                    20
 21                                                                    22
 23                                                                    24
 25                                                                    26
 27                                                                    28
                                                 Mnt 5/27/1999 TERRY
F1=Task  F3=Exit  F4=Prompt  F10=GoTo  PgUp/PgDn  F24=More
```

08-0127-N

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

Permit Application Number: _____

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Lloyd **Date** 11/29/08

Plan Approved ✓ **Not Approved** ____ **Date** 11/30/08

By _____ Columbia **CPHU**

Notes: _____

B9

July 28, 2009

Karen Truesdale
210 SE Press Ruth Drive,
Lake City, FL 32025

Dear Columbia County Board of County Commissioners,

I purchased a permit for a 4,744 square foot home on July 31, 2008 that I had every intention on having built. Since that time financial problems due to the economy and financing have caused me to reduce the size of my new home. It has taken me almost a year to arrange for the construction of a smaller home.

I am requesting the refund of the original permit fee of $1312.44 for permit number 000027227. New plans for a 3,901 square foot home have been turned into the Building Department. Since this home is smaller in size the permit fee will not cost as much.

Your help in this matter is greatly appreciated.

COLUMBIA COUNTY BOARD
OF COUNTY COMMISSIONERS
CHAIRMAN
BCC APPROVED
8/6/09
DATE

Sincerely,

Karen Truesdale

Karen Trusdale

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:	801283Truesdale,Jon&Angel	Builder:	JL Duffee
Address:		Permitting Office:	COLUMBIA
City, State:	, FL	Permit Number:	27227
Owner:	Truesdale, Jon & Angel	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: 39.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2257 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) 286.0 ft²	a. Electric Heat Pump	Cap: 39.0 kBtu/hr
b. SHGC:			HSPF: 7.90
(or Clear or Tint DEFAULT) 7b.	(Clear) 286.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 200.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1542.0 ft²		EF: 0.93
b. N/A		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, 2035.0 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: Interior	Sup. R=6.0, 150.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.13 Total as-built points: 26329 Total base points: 30485 **PASS**

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

PREPARED BY: _____

DATE: 1-30-08

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

OWNER/AGENT: _____ by d.r.

DATE: 1-30-08

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: , , FL, PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2257.0	20.04	8141.5	Double, Clear	E	1.5	6.0	20.0	42.06	0.91	767.9	
				Double, Clear	S	99.0	6.0	20.0	35.87	0.43	309.8	
				Double, Clear	SE	10.0	6.0	15.0	42.75	0.42	268.3	
				Double, Clear	E	13.0	6.0	40.0	42.06	0.38	646.5	
				Double, Clear	S	1.5	0.0	60.0	35.87	0.43	929.5	
				Double, Clear	W	7.0	7.0	72.0	38.52	0.53	1471.1	
				Double, Clear	N	1.5	0.0	4.0	19.20	0.59	45.6	
				Double, Clear	N	1.5	0.0	45.0	19.20	0.59	512.5	
				Double, Clear	N	1.5	0.0	10.0	19.20	0.59	113.9	
				As-Built Total:				**286.0**			**5065.0**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1542.0	1.50		2313.0	
Exterior	1542.0	1.70	2621.4									
Base Total:	**1542.0**		**2621.4**	**As-Built Total:**				**1542.0**			**2313.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10		82.0	
Exterior	40.0	4.10	164.0	Adjacent Insulated				20.0	1.60		32.0	
				Exterior Insulated				20.0	4.10		82.0	
Base Total:	**60.0**		**196.0**	**As-Built Total:**				**60.0**			**196.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1883.0	1.73	3257.6	Under Attic			30.0	2035.0	1.73 X 1.00		3520.6	
Base Total:	**1883.0**		**3257.6**	**As-Built Total:**				**2035.0**			**3520.6**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	200.0(p)	-37.0	-7400.0	Slab-On-Grade Edge Insulation			0.0	200.0(p	-41.20		-8240.0	
Raised	0.0	0.00	0.0									
Base Total:			**-7400.0**	**As-Built Total:**				**200.0**			**-8240.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2257.0	10.21	23044.0					2257.0	10.21		23044.0	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 29860.4			Summer As-Built Points: 25898.5					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 39000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			25899	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	7735.7
29860.4	0.4266	12738.5	25898.5	1.00	1.138	0.263	1.000	7735.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , 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	2257.0	12.74	5175.8	Double, Clear	E	1.5	6.0	20.0	18.79	1.04	389.2	
				Double, Clear	S	99.0	6.0	20.0	13.30	3.66	973.4	
				Double, Clear	SE	10.0	6.0	15.0	14.71	2.38	524.3	
				Double, Clear	E	13.0	6.0	40.0	18.79	1.46	1099.4	
				Double, Clear	S	1.5	0.0	60.0	13.30	3.66	2920.1	
				Double, Clear	W	7.0	7.0	72.0	20.73	1.17	1741.3	
				Double, Clear	N	1.5	0.0	4.0	24.58	1.03	101.0	
				Double, Clear	N	1.5	0.0	45.0	24.58	1.03	1136.2	
				Double, Clear	N	1.5	0.0	10.0	24.58	1.03	252.5	
				As-Built Total:				**286.0**			**9137.5**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1542.0	3.40	5242.8
Exterior	1542.0	3.70	5705.4					
Base Total:	**1542.0**		**5705.4**	**As-Built Total:**		**1542.0**		**5242.8**

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	Adjacent Insulated	20.0	8.00	160.0
				Exterior Insulated	20.0	8.40	168.0
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	1883.0	2.05	3860.1	Under Attic	30.0	2035.0	2.05 X	1.00	4171.8
Base Total:	**1883.0**		**3860.1**	**As-Built Total:**		**2035.0**			**4171.8**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	200.0(p)	8.9	1780.0	Slab-On-Grade Edge Insulation	0.0	200.0(p	18.80	3760.0
Raised	0.0	0.00	0.0					
Base Total:			**1780.0**	**As-Built Total:**		**200.0**		**3760.0**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	2257.0	-0.59	-1331.6	2257.0	-0.59	-1331.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		15685.7	Winter As-Built Points:					21476.4
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 39000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
15685.7	0.6274	9841.2	21476.4	1.000	(1.069 x 1.169 x 0.93)	0.432	1.000	10773.7
			21476.4	1.00	1.162	0.432	1.000	10773.7

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , 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
12738	9841	7905	30485	7736	10774	7820	26329

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.9

The higher the score, the more efficient the home.

Truesdale, Jon & Angel, , , FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 39.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	2257 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) 286.0 ft²		a. Electric Heat Pump	Cap: 39.0 kBtu/hr
	b. SHGC:				HSPF: 7.90
	(or Clear or Tint DEFAULT) 7b.	(Clear) 286.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 200.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1542.0 ft²			EF: 0.93
	b. N/A			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, 2035.0 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: Interior	Sup. R=6.0, 150.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

Residential System Sizing Calculation

Summary

Truesdale, Jon & Angel

, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

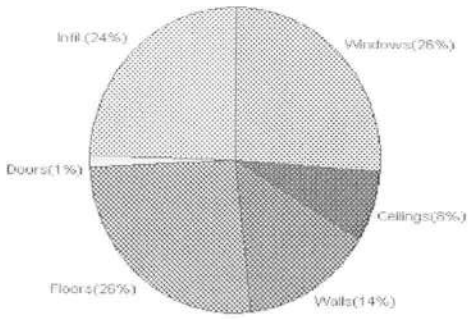
2/5/2008

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	**60513**	**Btuh**	**Total cooling load calculation**	**47470**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.0	72000	Sensible (SHR = 0.75)	136.8	54000
Heat Pump + Auxiliary(0.0kW)	119.0	72000	Latent	225.0	18000
			Total (Electric Heat Pump)	151.7	72000

WINTER CALCULATIONS

Winter Heating Load (for 3649 sqft)

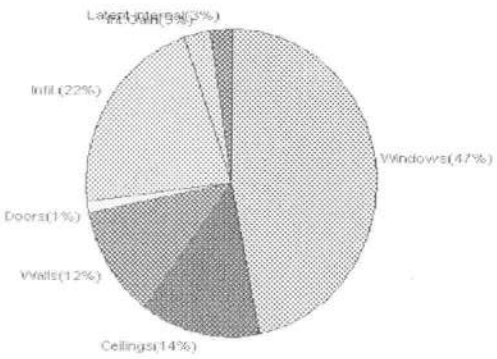
Load component			Load	
Window total	496	sqft	15966	Btuh
Wall total	2644	sqft	8683	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	3871	sqft	4561	Btuh
Floor total	364	sqft	15892	Btuh
Infiltration	361	cfm	14633	Btuh
Duct loss			0	Btuh
Subtotal			**60513**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**60513**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3649 sqft)

Load component			Load	
Window total	496	sqft	22112	Btuh
Wall total	2644	sqft	5515	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	3871	sqft	6411	Btuh
Floor total			0	Btuh
Infiltration	186	cfm	3463	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**39469**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			6801	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**8001**	**Btuh**
TOTAL HEAT GAIN			**47470**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: GB
DATE: 2-5-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

2/5/2008

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
5	2, Clear, Metal, 0.87	NE	60.0	32.2	1931 Btuh
6	2, Clear, Metal, 0.87	SE	72.0	32.2	2318 Btuh
7	2, Clear, Metal, 0.87	SW	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	SW	45.0	32.2	1449 Btuh
9	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
10	2, Clear, Metal, 0.87	NW	60.0	32.2	1931 Btuh
11	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh
12	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
13	2, Clear, Metal, 0.87	SW	90.0	32.2	2897 Btuh
	Window Total		496(sqft)		15966 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2644	3.3	8683 Btuh
	Wall Total		2644		8683 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		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	3871	1.2	4561 Btuh
	Ceiling Total		3871		4561Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	364.0 ft(p)	43.7	15892 Btuh
	Floor Total		364		15892 Btuh
			Zone Envelope Subtotal:		45880 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	32841	361.3	14633 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**60513 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

2/5/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	60513 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	60513 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 - Winter

Residential Load - Room by Room Component Details

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

2/5/2008

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	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
5	2, Clear, Metal, 0.87	NE	60.0	32.2	1931 Btuh
6	2, Clear, Metal, 0.87	SE	72.0	32.2	2318 Btuh
7	2, Clear, Metal, 0.87	SW	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	SW	45.0	32.2	1449 Btuh
9	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
10	2, Clear, Metal, 0.87	NW	60.0	32.2	1931 Btuh
11	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh
12	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
13	2, Clear, Metal, 0.87	SW	90.0	32.2	2897 Btuh
	Window Total		496(sqft)		15966 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2644	3.3	8683 Btuh
	Wall Total		2644		8683 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		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	3871	1.2	4561 Btuh
	Ceiling Total		3871		4561Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	364.0 ft(p)	43.7	15892 Btuh
	Floor Total		364		15892 Btuh
			Zone Envelope Subtotal:		45880 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	32841	361.3	14633 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**60513 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

2/5/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	60513 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	60513 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

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 2/5/2008

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, None,N,N	NW	1.5ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	N	10ft.	6ft.	15.0	0.0	15.0	29	29	434 Btuh
4	2, Clear, 0.87, None,N,N	NW	13ft.	6ft.	40.0	0.0	40.0	29	60	2401 Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	60.0	0.0	60.0	29	60	3602 Btuh
6	2, Clear, 0.87, None,N,N	SE	7ft.	7ft.	72.0	72.0	0.0	29	63	2085 Btuh
7	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	4.0	4.0	0.0	29	63	116 Btuh
8	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	45.0	45.0	0.0	29	63	1303 Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	10.0	10.0	0.0	29	63	290 Btuh
10	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	60.0	0.0	60.0	29	60	3602 Btuh
11	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	30.0	0.0	30.0	29	60	1801 Btuh
12	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	30.0	12.1	17.9	29	63	1468 Btuh
13	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	90.0	90.0	0.0	29	63	2607 Btuh
	Window Total				496 (sqft)					22112 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2644.0	2.1	5515 Btuh
	Wall Total		2644 (sqft)		5515 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
2	Insulated - Adjacent	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	3871.0	1.7	6411 Btuh
	Ceiling Total		3871 (sqft)		6411 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	364 (ft(p))	0.0	0 Btuh
	Floor Total		364.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		34625 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	32841	186.1	3463 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	**39469 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

2/5/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**39469 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**39469 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**39469 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6801 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	**8001 Btuh**
	TOTAL GAIN	**47470 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

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 2/5/2008
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	1.5ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	N	10ft.	6ft.	15.0	0.0	15.0	29	29	434 Btuh
4	2, Clear, 0.87, None,N,N	NW	13ft.	6ft.	40.0	0.0	40.0	29	60	2401 Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	60.0	0.0	60.0	29	60	3602 Btuh
6	2, Clear, 0.87, None,N,N	SE	7ft.	7ft.	72.0	72.0	0.0	29	63	2085 Btuh
7	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	4.0	4.0	0.0	29	63	116 Btuh
8	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	45.0	45.0	0.0	29	63	1303 Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	10.0	10.0	0.0	29	63	290 Btuh
10	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	60.0	0.0	60.0	29	60	3602 Btuh
11	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	30.0	0.0	30.0	29	60	1801 Btuh
12	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	30.0	12.1	17.9	29	63	1468 Btuh
13	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	90.0	90.0	0.0	29	63	2607 Btuh
	Window Total				496 (sqft)					22112 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2644.0	2.1	5515 Btuh
	Wall Total		2644 (sqft)		5515 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
2	Insulated - Adjacent	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	3871.0	1.7	6411 Btuh
	Ceiling Total		3871 (sqft)		6411 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	364 (ft(p))	0.0	0 Btuh
	Floor Total		364.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		34625 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	32841	186.1	3463 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		**39469 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

2/5/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**39469 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**39469 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**39469 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6801 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	**8001 Btuh**
	TOTAL GAIN	**47470 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

Truesdale, Jon & Angel

, FL

Project Title:
801283Truesdale,Jon&Angel

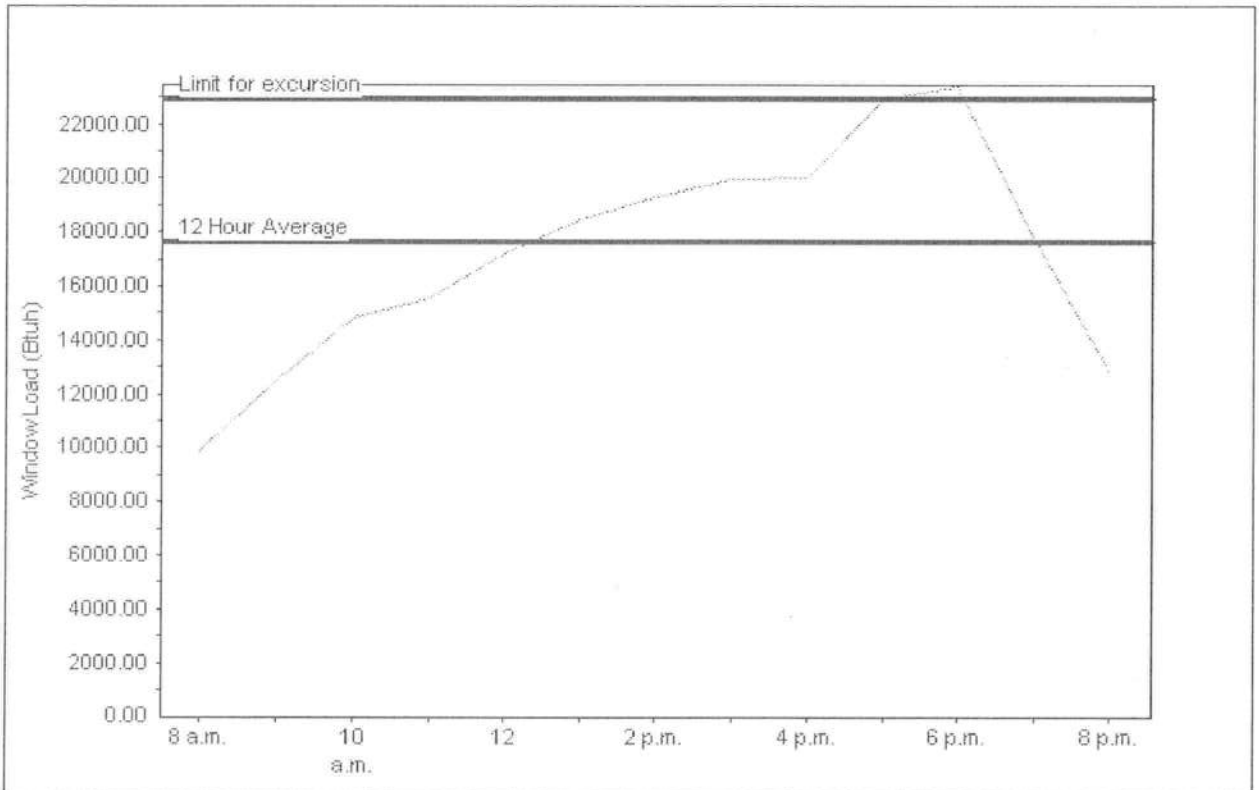
Class 3 Rating
Registration No. 0
Climate: North

2/5/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	17648 Btu
Summer setpoint	75 F	Peak window load for July	23407 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	22943 Btu
Latitude	29 North	Window excursion (July)	465 Btuh

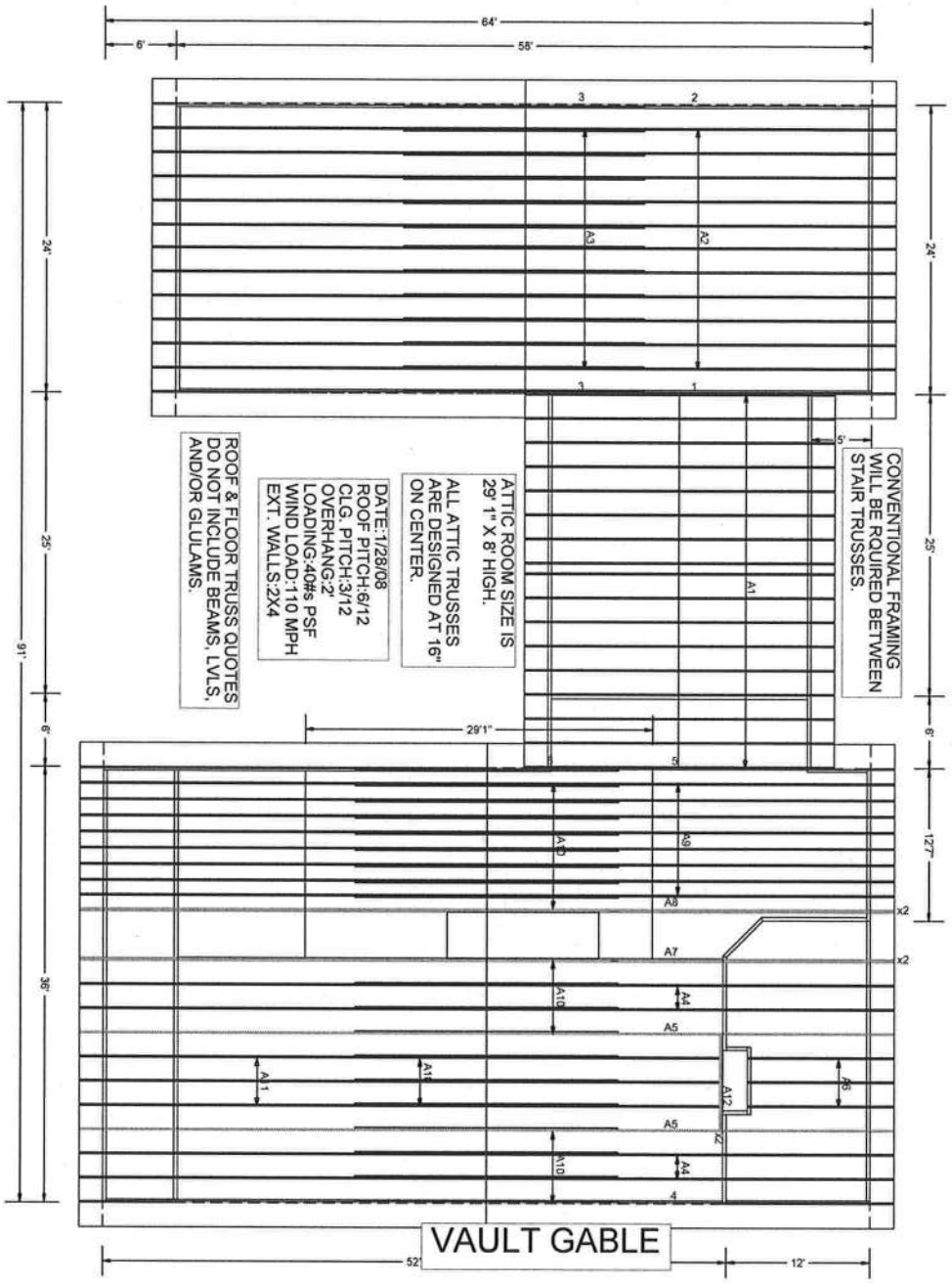
WINDOW Average and Peak Loads



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: 2-5-08



CONVENTIONAL FRAMING WILL BE RQUIRED BETWEEN STAIR TRUSSES.

ATTIC ROOM SIZE IS 29' 1" X 8' HIGH.

ALL ATTIC TRUSSES ARE DESIGNED AT 16" ON CENTER.

DATE:1/28/08
ROOF PITCH:6/12
CLG. PITCH:3/12
OVERHANG:2'
LOADING:40#s PSF
WIND LOAD:110 MPH
EXT. WALLS:2X4

ROOF & FLOOR TRUSS QUOTES DO NOT INCLUDE BEAMS, LVLS, AND/OR GLULAMS.

SEE ATTACHED LAYOUT FOR INTERIOR BEARING WALLS.

ALL TRUSSES WITH 50' SPAN REQUIRE 2X6 TOP CHORD.
ALL TRUSSES WITH 60' SPAN REQUIRE 2X6 TOP AND BOTTOM CHORD.

PAGE NO: 1 OF 1	JOB NO: 5216	Job Name: TRUESDALE RESIDENCE Customer: J.L. DUPREE Designer: Lynn Bell	

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1TEJ215-Z0629064115

Truss Fabricator:	W.B. Howland
Job Identification:	5216-/TRUESDALE RESIDENCE /J.L. DUPREE -- , **
Truss Count:	18
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.38, 7.37.
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 - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 01/29/2008

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

Notes:

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

Details: A11015EE-GBLLETIN-A11030EE-PIGBACKA-PIGBACKB-CNBRGBLK-

#	Ref	Description	Drawing#	Date
1	64256--1		08028015	01/28/08
2	64257--2		08028016	01/28/08
3	64258--3		08028017	01/28/08
4	64259--4		08028021	01/28/08
5	64260--5		08028022	01/28/08
6	64261--6		08028023	01/28/08
7	64262--A1		08028014	01/28/08
8	64263--A2		08028024	01/28/08
9	64264--A3		08028025	01/28/08
10	64265--A4		08028026	01/28/08
11	64266--A5		08028027	01/28/08
12	64267--A6		08028034	01/28/08
13	64268--A7		08028035	01/28/08
14	64269--A8		08028029	01/28/08
15	64270--A9		08028030	01/28/08
16	64271--A10		08028031	01/28/08
17	64272--A11		08028032	01/28/08
18	64273--A12		08028033	01/28/08

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1TEJ215-Z0629064115

Truss Fabricator:	W.B. Howland
Job Identification:	5216-/TRUESDALE RESIDENCE /J.L. DUPREE -- , **
Truss Count:	2
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.38, 7.37.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Seal Date: 01/29/2008

-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	64267--A6		08028034	01/28/08
2	64271--A10		08028031	01/28/08

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

Gable end supports 8" max rake overhang.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

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

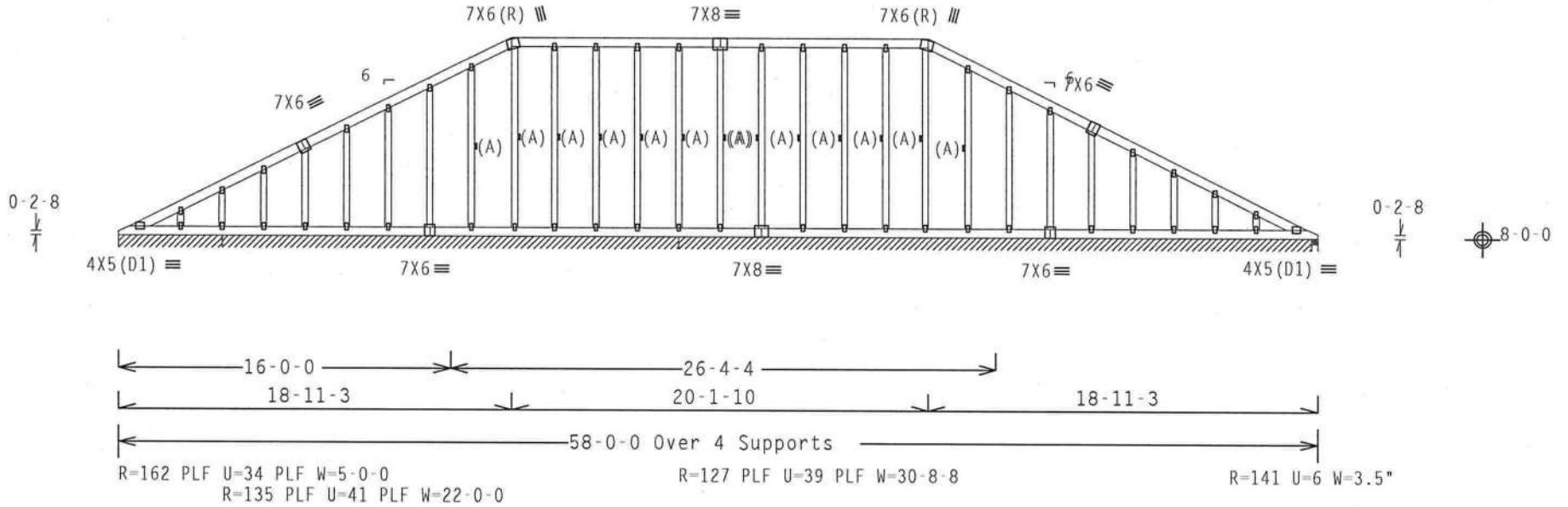
The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(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.

The overall height of this truss excluding overhang is 9-8-1.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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. ITW BCG, 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. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) 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
Jan 29 '08

TC LL	20.0 PSF	REF	R215-- 64256
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028015
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99963
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

Gable end supports 8" max rake overhang.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

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

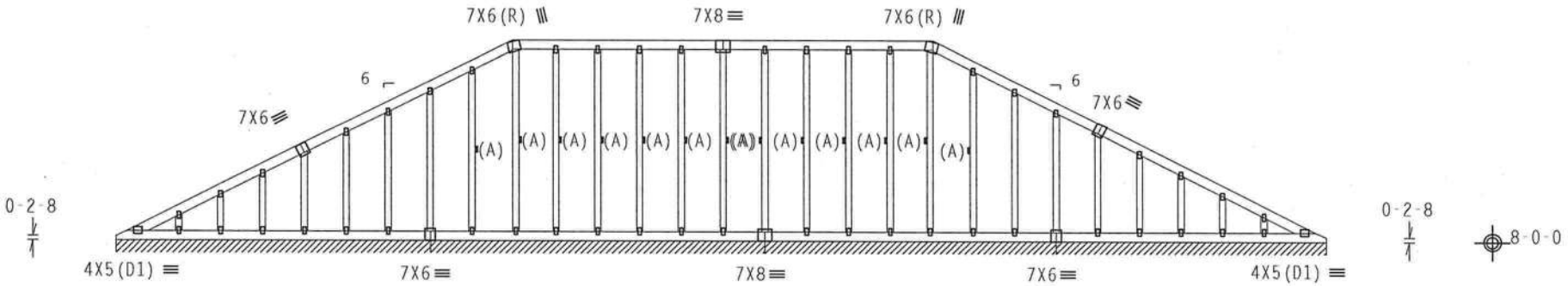
The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

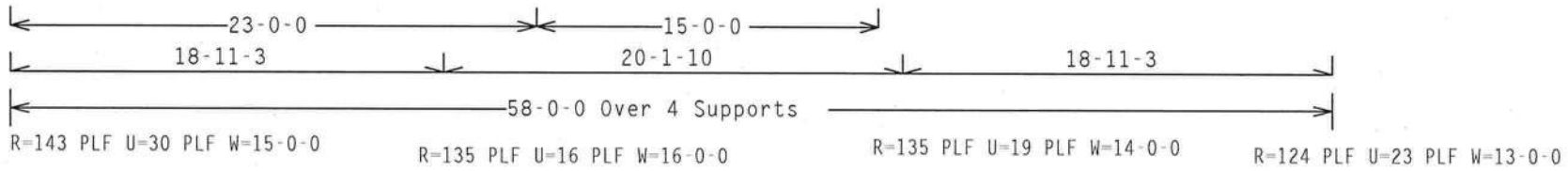
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(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.

The overall height of this truss excluding overhang is 9-8-1.





Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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. ITW BCG, 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. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSE No.52210 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 29 08

TC LL	20.0 PSF	REF	R215-- 64257
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028016
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99945
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

110 mph wind, 20.53 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

The overall height of this truss excluding overhang is 5-0-6.

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

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

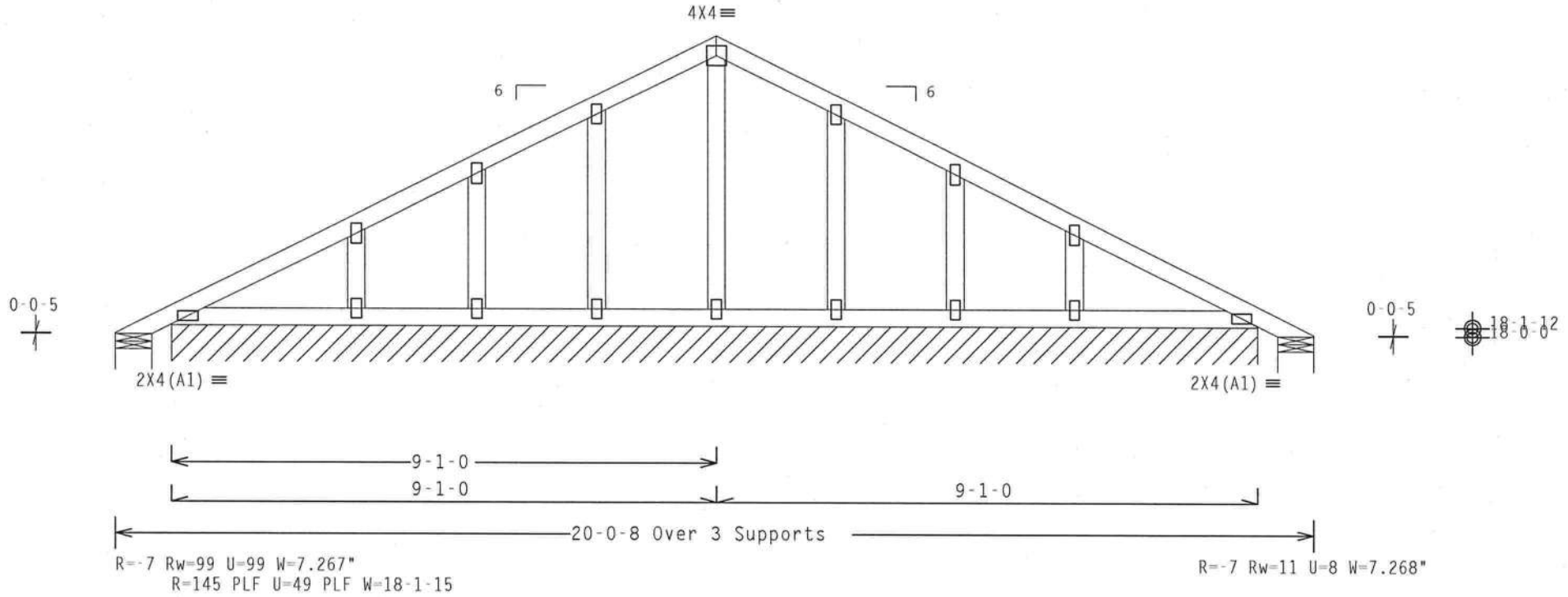
TC - From	62 PLF at	-0.94 to	62 PLF at	9.08
TC - From	62 PLF at	9.08 to	62 PLF at	19.10
BC - From	4 PLF at	-0.94 to	4 PLF at	19.10

Gable end supports 8" max rake overhang.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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 JR. LICENSE No. 32212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 29 '08

TC LL	20.0 PSF	REF	R215-- 64258
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028017
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99950
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

Gable end supports 8" max rake overhang.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.

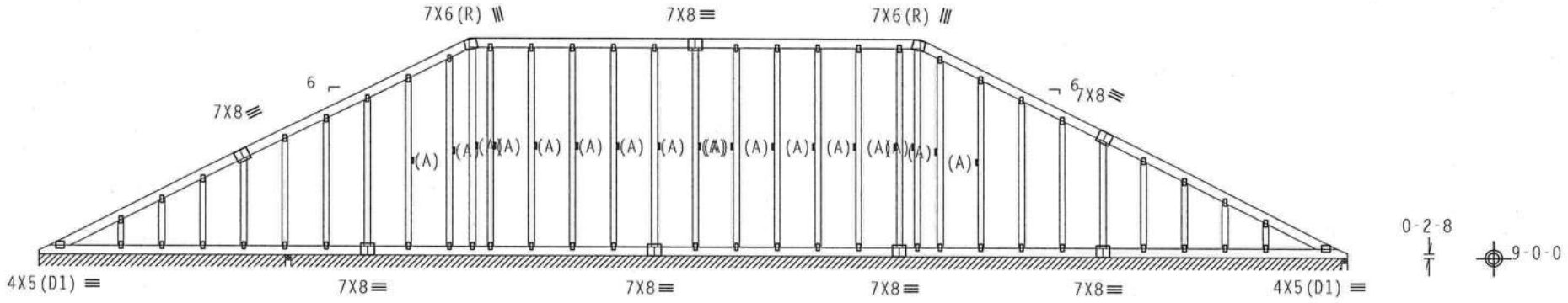
The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(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.

The overall height of this truss excluding overhang is 10-8-5.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 29,2008

TC LL	20.0 PSF	REF	R215-- 64259
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028021
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99687
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

Top chord 2x6 SP #2 N :T1 2x6 SP #2 Dense:
Bot chord 2x6 SP #2 N :B1, B2 2x6 SP SS:
Webs 2x4 SP #2 N

Calculated horizontal deflection is 0.27" due to live load and 0.19" due to dead load.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

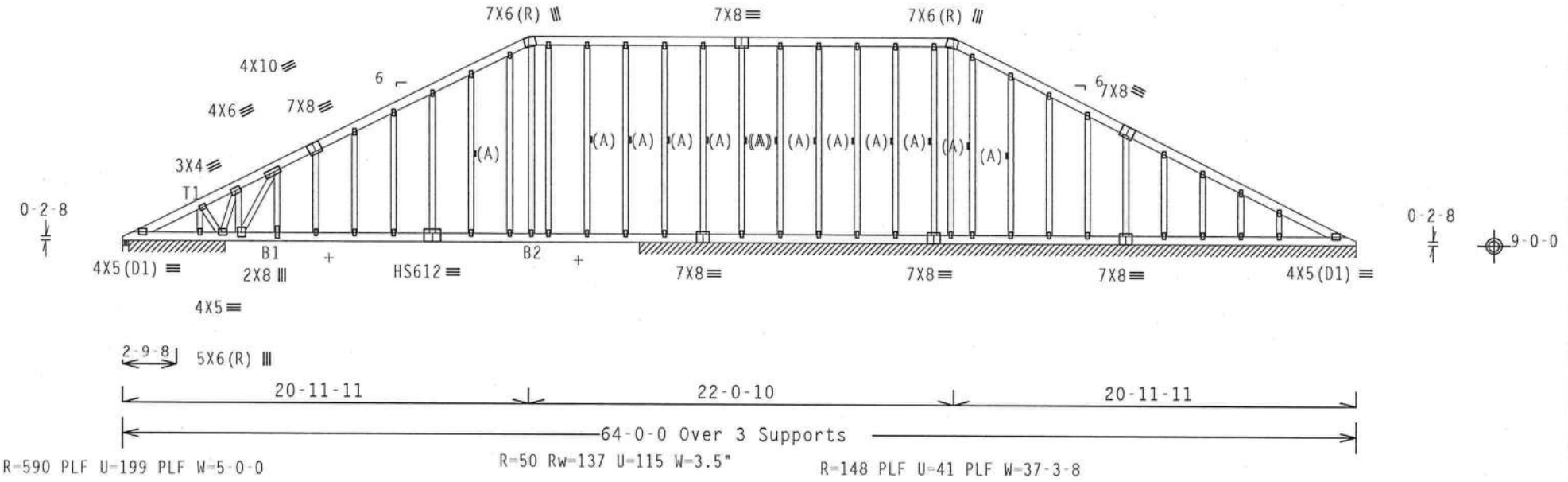
Wind reactions based on MWFRS pressures.

Gable end supports 8" max rake overhang.

(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.

The overall height of this truss excluding overhang is 10-8-5.

+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 52242 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 29 08

TC LL	20.0 PSF	REF	R215-- 64260
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028022
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99976
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

110 mph wind, 22.79 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

The overall height of this truss excluding overhang is 5-6-2.

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

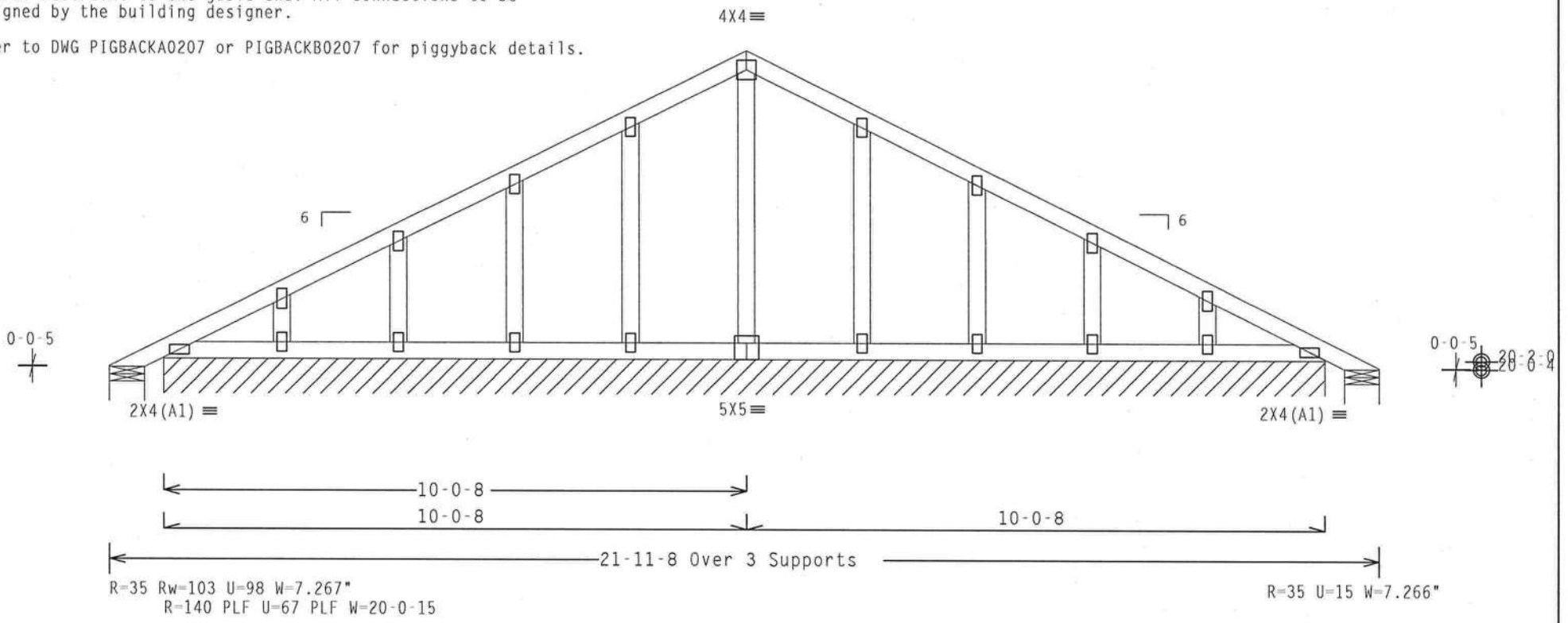
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -0.94 to 62 PLF at 10.04
TC - From 62 PLF at 10.04 to 62 PLF at 21.02
BC - From 4 PLF at -0.94 to 4 PLF at 21.02

Gable end supports 8" max rake overhang.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 29 '08

TC LL	20.0 PSF	REF	R215-- 64261
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028023
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99969
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

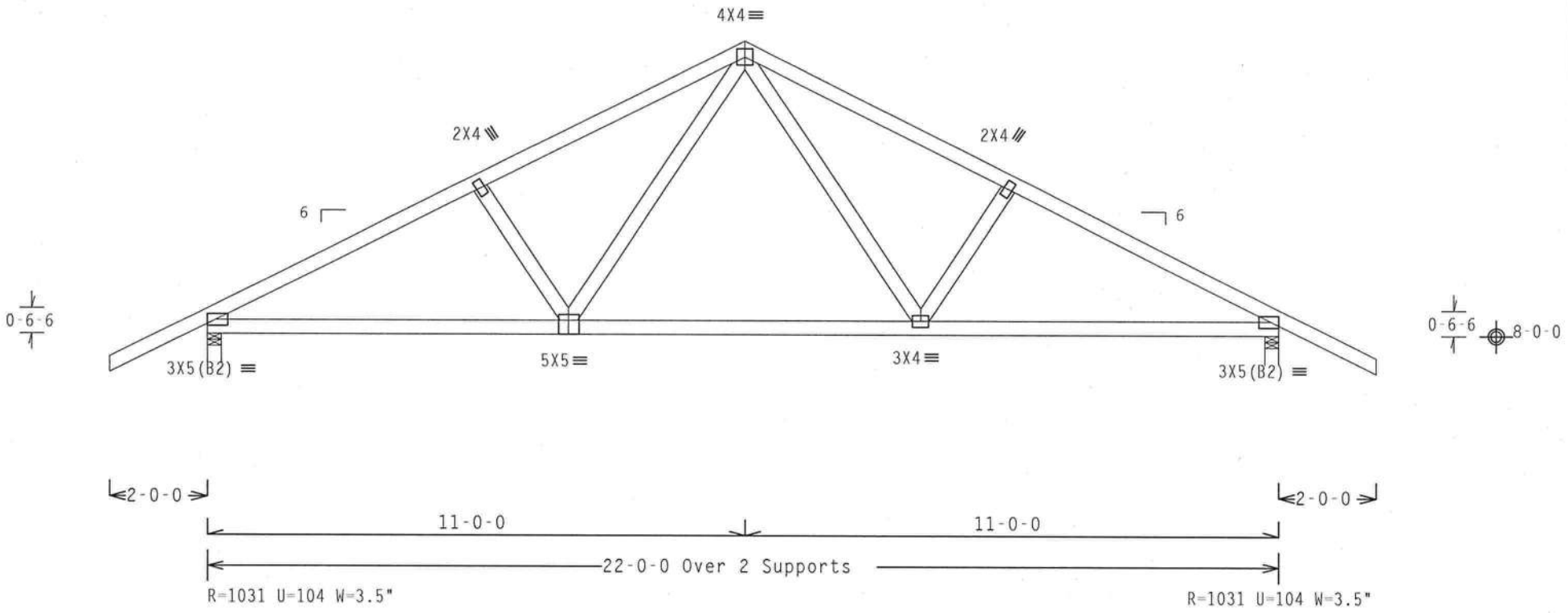
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 6-0-6.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cg/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No 52112 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 29 '08

TC LL	20.0 PSF	REF R215-- 64262
TC DL	10.0 PSF	DATE 01/28/08
BC DL	10.0 PSF	DRW HCUSR215 08028014
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 99643
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TEJ215_Z06

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

(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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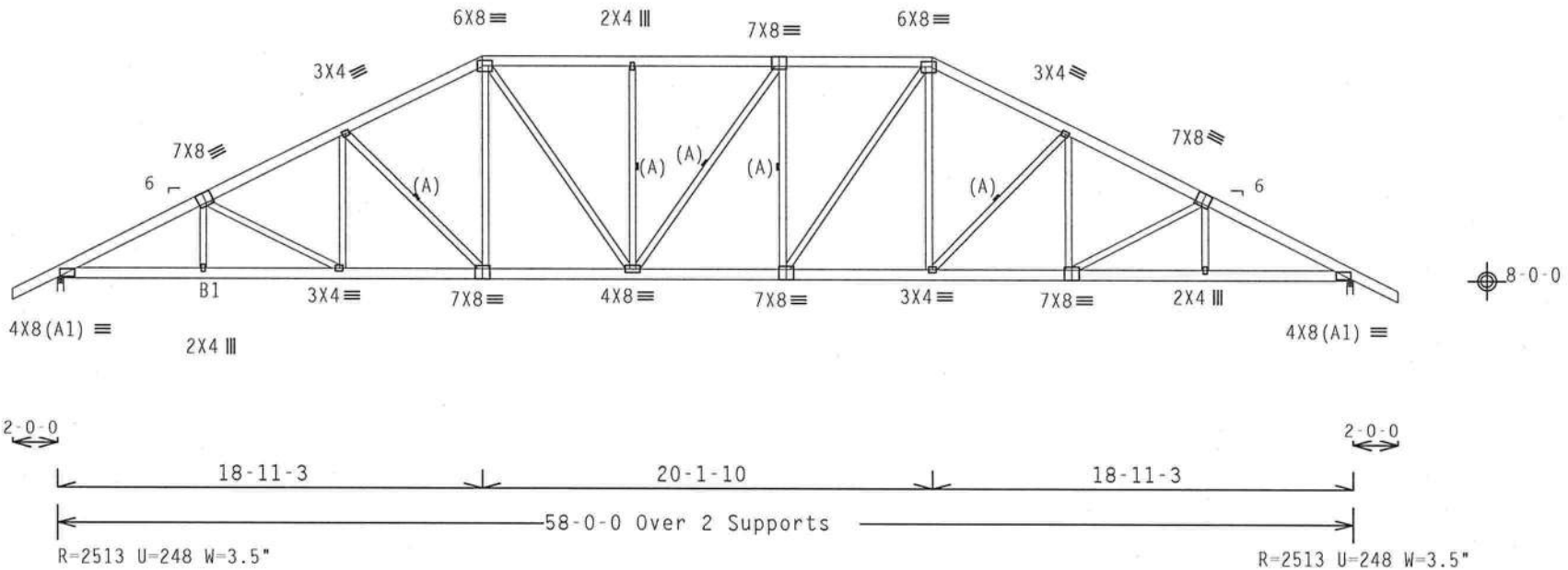
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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

Jan

TC LL	20.0 PSF	REF R215-- 64263
TC DL	10.0 PSF	DATE 01/28/08
BC DL	10.0 PSF	DRW HCUSR215 08028024
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 99583
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TEJ215_Z06

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

110 mph wind, 20.53 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

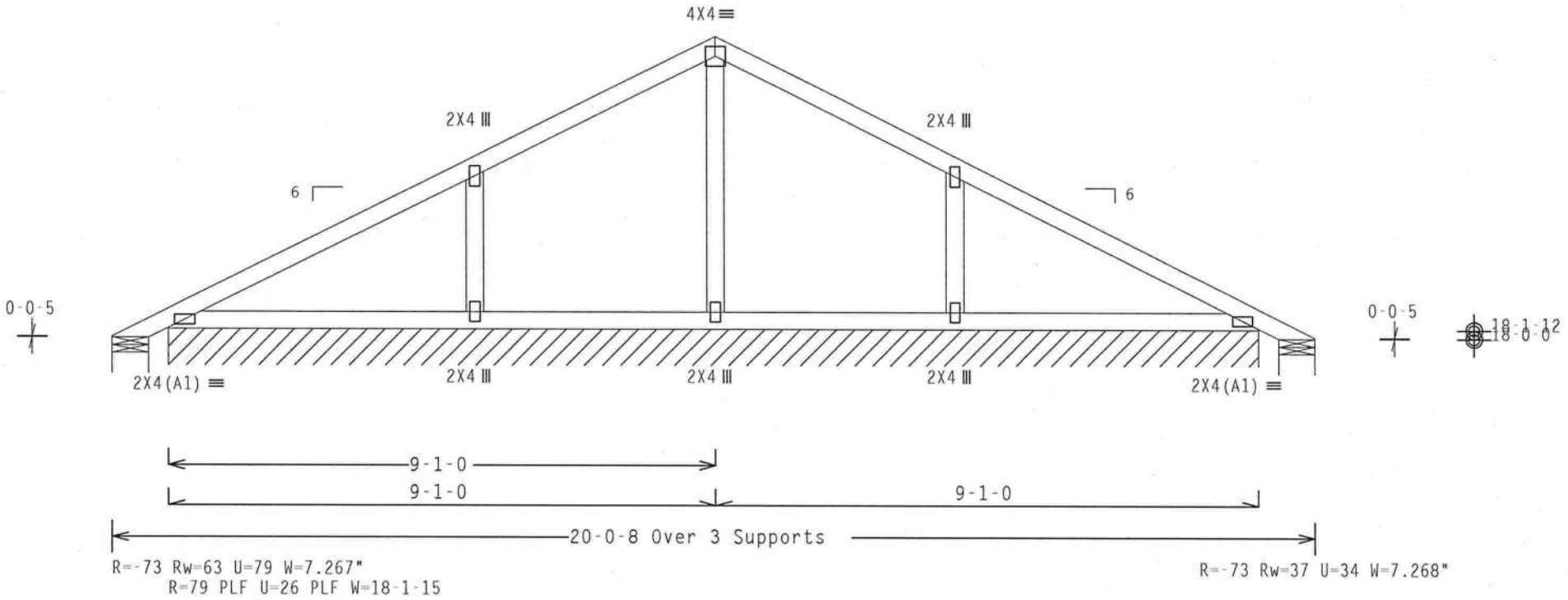
The overall height of this truss excluding overhang is 5-0-6.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -0.94 to 62 PLF at 9.08
TC - From 62 PLF at 9.08 to 62 PLF at 19.10
BC - From 4 PLF at -0.94 to 4 PLF at 19.10

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE NO. 52214 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 29 '08

TC LL	20.0 PSF	REF	R215-- 64264
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028025
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99956
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Calculated horizontal deflection is 0.15" due to live load and 0.16" due to dead load.

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

The overall height of this truss excluding overhang is 11-0-4.

NOTE:
TRUSS MAY EXHIBIT UNDESIREABLE DEFLECTION
UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS
OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN

Bearing blocks: Nail type: 0.131"x3"_Gun_nails

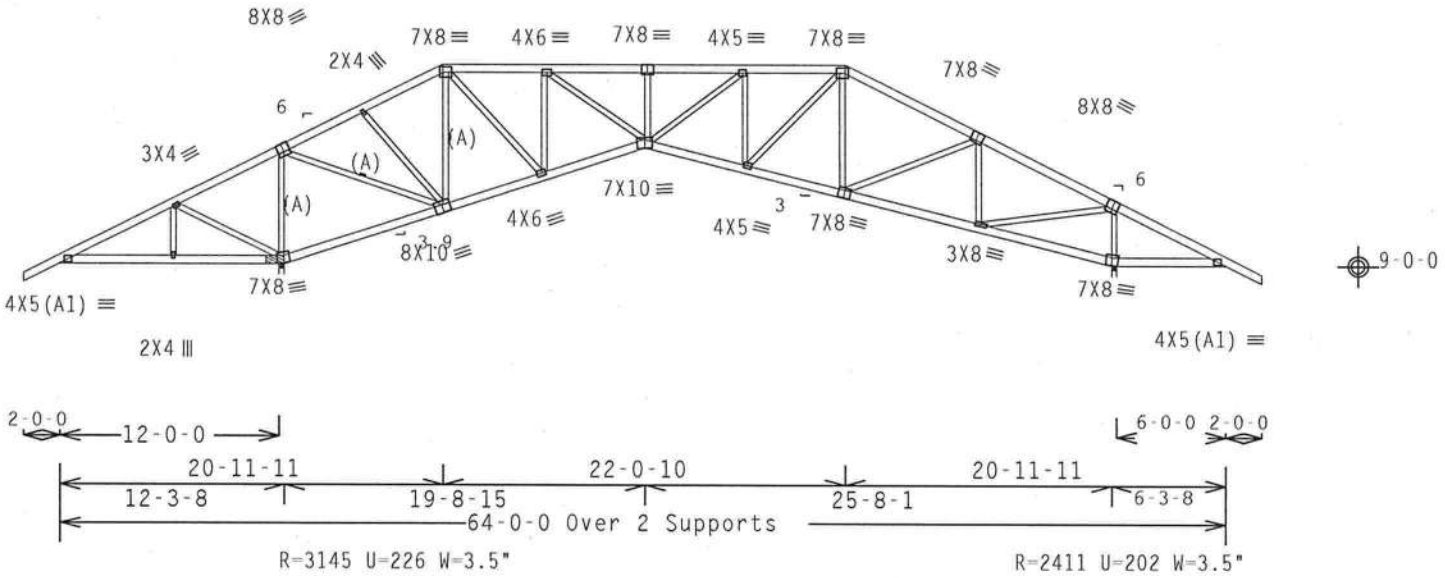
BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	12.000'	1	12"	5	Rigid Surface

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK0207 for additional information.

Wind reactions based on MWFRS pressures.

(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.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.38.0810 | QTY:1 | FL/-/5/-/-/R/- | Scale =.09375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 29 '08

TC LL	20.0 PSF	REF	R215-- 64265
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028026
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99672
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -2.00 to 62 PLF at 20.98
TC - From 62 PLF at 20.98 to 62 PLF at 43.02
TC - From 62 PLF at 43.02 to 62 PLF at 66.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.29
BC - From 21 PLF at 12.29 to 21 PLF at 32.04
BC - From 21 PLF at 32.04 to 21 PLF at 57.71
BC - From 20 PLF at 57.71 to 20 PLF at 64.00
BC - 3051 LB Conc. Load at 12.29

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 11-0-4.

NOTE:
TRUSS MAY EXHIBIT UNDESIREABLE DEFLECTION
UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS
OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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

(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.

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

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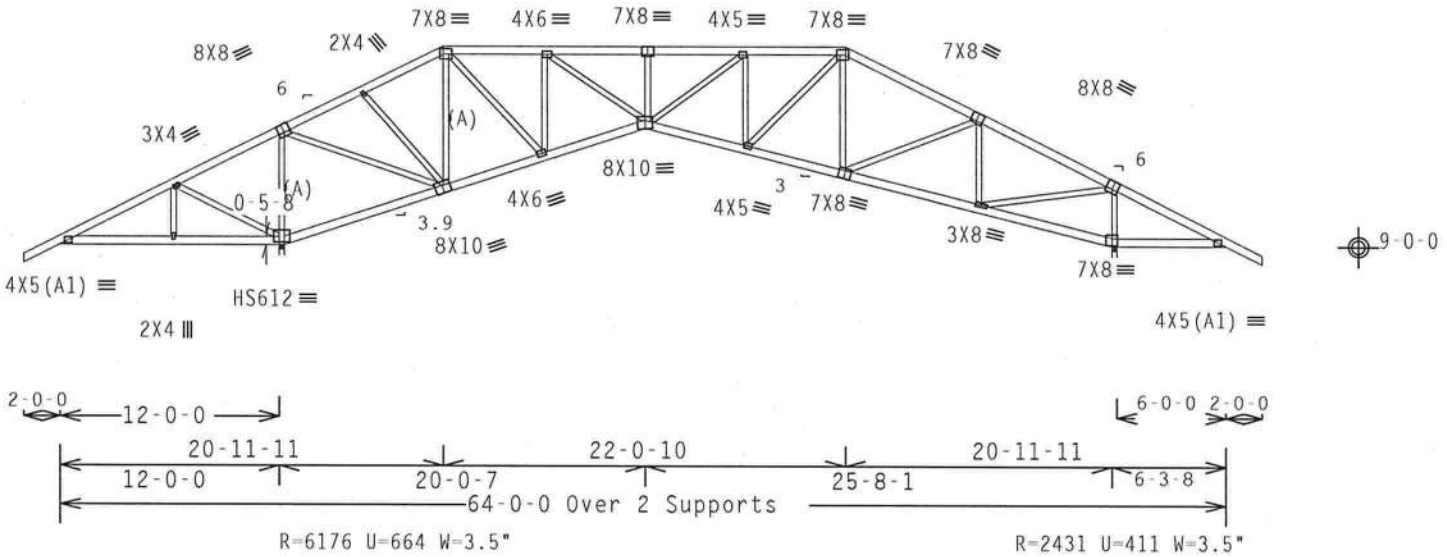

Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.08 QTY:1 FL/-/5/-/-/R/- Scale =.09375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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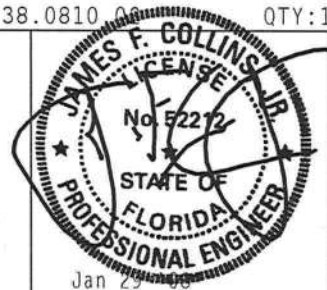


Jan 29 08

TC LL	20.0	PSF	REF R215-- 64266
TC DL	10.0	PSF	DATE 01/28/08
BC DL	10.0	PSF	DRW HCUSR215 08028027
BC LL	0.0	PSF	HC-ENG JB/WHK
TOT.LD.	40.0	PSF	SEQN- 99716
DUR.FAC.	1.25		FROM LRB
SPACING	24.0"		JREF- 1TEJ215_Z06

(5216-/TRUESDALE RESIDENCE /J.L. DUPREE -- , ** - A6)

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

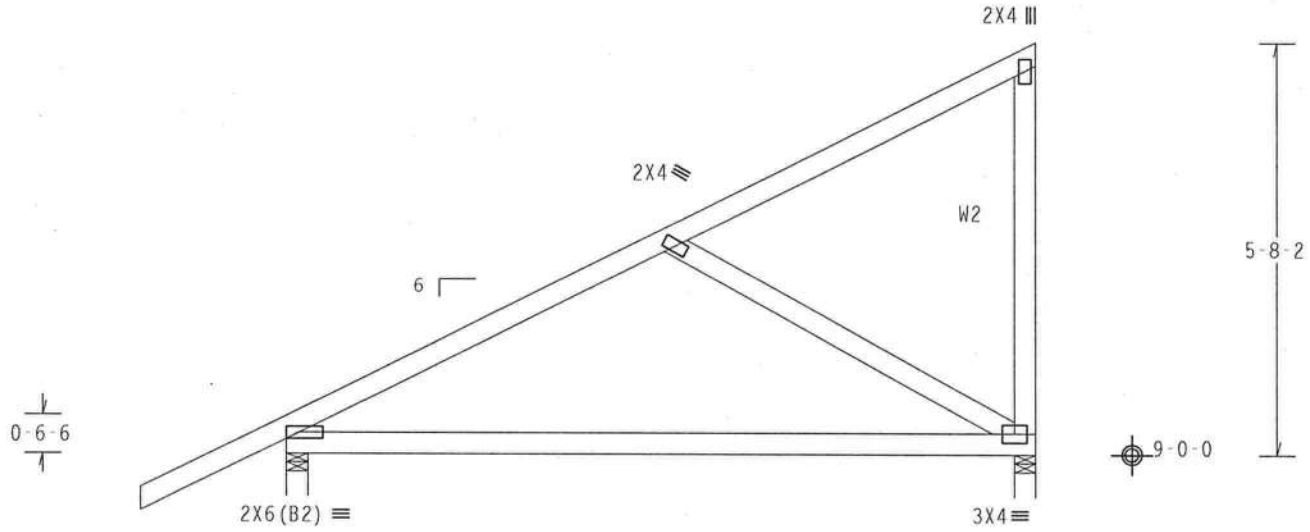
Top chord 2x4 SP SS
Bot chord 2x4 SP SS
Webs 2x4 SP #3 :W2 2x4 SP #2 N:

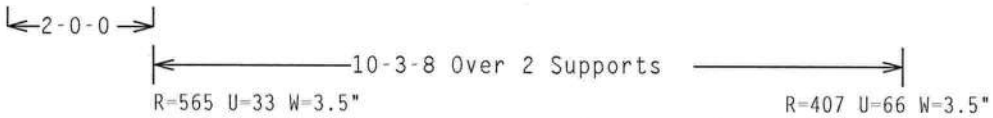
Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.37.0521.12 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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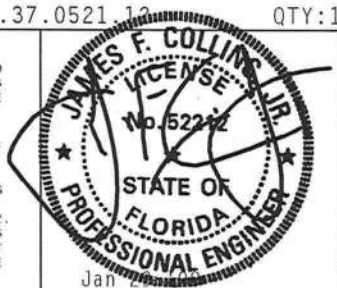

Jan 2[illegible]

TC LL	20.0 PSF	REF	R215-- 64267
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028034
BC LL	0.0 PSF		HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	11882 REV
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Trusses to be spaced at 36.0" OC maximum.

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NOTE:
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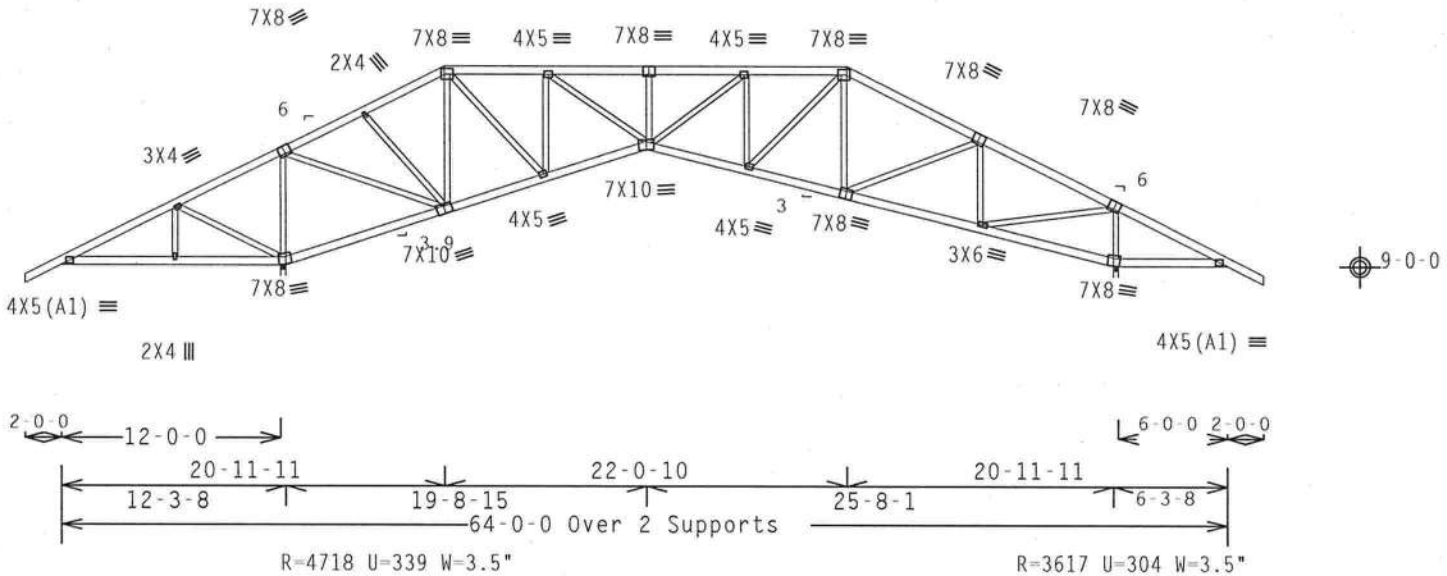
2 COMPLETE TRUSSES REQUIRED

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

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

The overall height of this truss excluding overhang is 11-0-4.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 FL/-/5/-/-/R/- Scale =.09375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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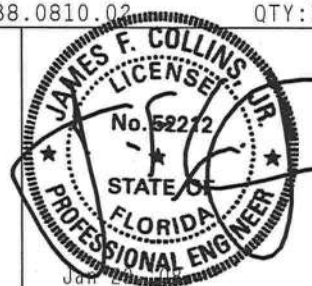

Jan 28,2008

TC LL	20.0 PSF	REF	R215-- 64268
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028035
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99929
DUR.FAC.	1.25	FROM	LRB
SPACING	36.0"	JREF-	1TEJ215_Z06

Top chord 2x6 SP #2 N :T6, T7 2x6 SP #2 Dense:
Bot chord 2x4 SP #2 N :B1 2x6 SP #2 N:
:B2, B6, B9 2x12 SP #2 N: :B3 2x12 SP SS: :B10 2x8 SP #2 N:
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.553'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

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

TC - From	94 PLF	at	-2.00	to	94 PLF	at 6.52
TC - From	94 PLF	at	6.52	to	94 PLF	at 12.22
TC - From	94 PLF	at	12.22	to	94 PLF	at 20.98
TC - From	94 PLF	at	20.98	to	94 PLF	at 31.37
TC - From	94 PLF	at	31.37	to	94 PLF	at 43.02
TC - From	94 PLF	at	43.02	to	94 PLF	at 46.17
TC - From	127 PLF	at	46.17	to	127 PLF	at 47.21
TC - From	94 PLF	at	47.21	to	94 PLF	at 52.96
TC - From	94 PLF	at	52.96	to	94 PLF	at 66.00
PLT- From	30 PLF	at	18.34	to	30 PLF	at 23.62
PLT- From	30 PLF	at	23.62	to	30 PLF	at 31.37
PLT- From	30 PLF	at	31.37	to	30 PLF	at 39.12
PLT- From	30 PLF	at	39.12	to	30 PLF	at 45.66
BC - From	30 PLF	at	0.00	to	30 PLF	at 18.12
BC - From	180 PLF	at	18.12	to	180 PLF	at 47.21
BC - From	30 PLF	at	47.21	to	30 PLF	at 64.00

BC - 350 LB Conc. Load at 18.12
BC - 334 LB Conc. Load at 47.21

The overall height of this truss excluding overhang is 11-0-4.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 9.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

(**) 2 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, CLOSED bldg, not located within 9.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Trusses to be spaced at 36.0" OC maximum.

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

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

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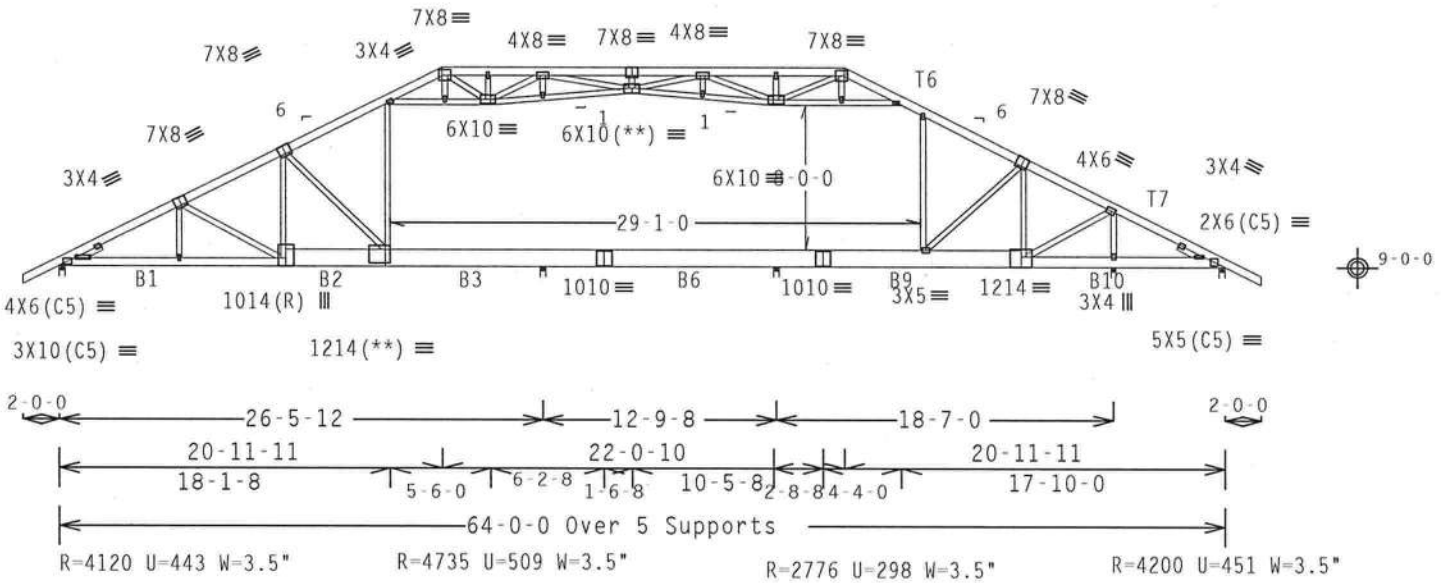

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.09375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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

Jan 29 '08

TC LL	20.0 PSF	REF R215-- 64269
TC DL	10.0 PSF	DATE 01/28/08
BC DL	10.0 PSF	DRW HCUSR215 08028029
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 99937
DUR.FAC.	1.25	FROM LRB
SPACING	36.0"	JREF- 1TEJ215_Z06

Top chord 2x6 SP #2 N :T6, T7 2x6 SP #2 Dense:
Bot chord 2x12 SP #2 N :B1 2x6 SP #2 N:
:B4, B5, B7, B8 2x4 SP #2 N: :B10 2x8 SP #2 N:
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.553'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

Trusses to be spaced at 16.0" OC maximum.

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

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

The overall height of this truss excluding overhang is 11-0-4.

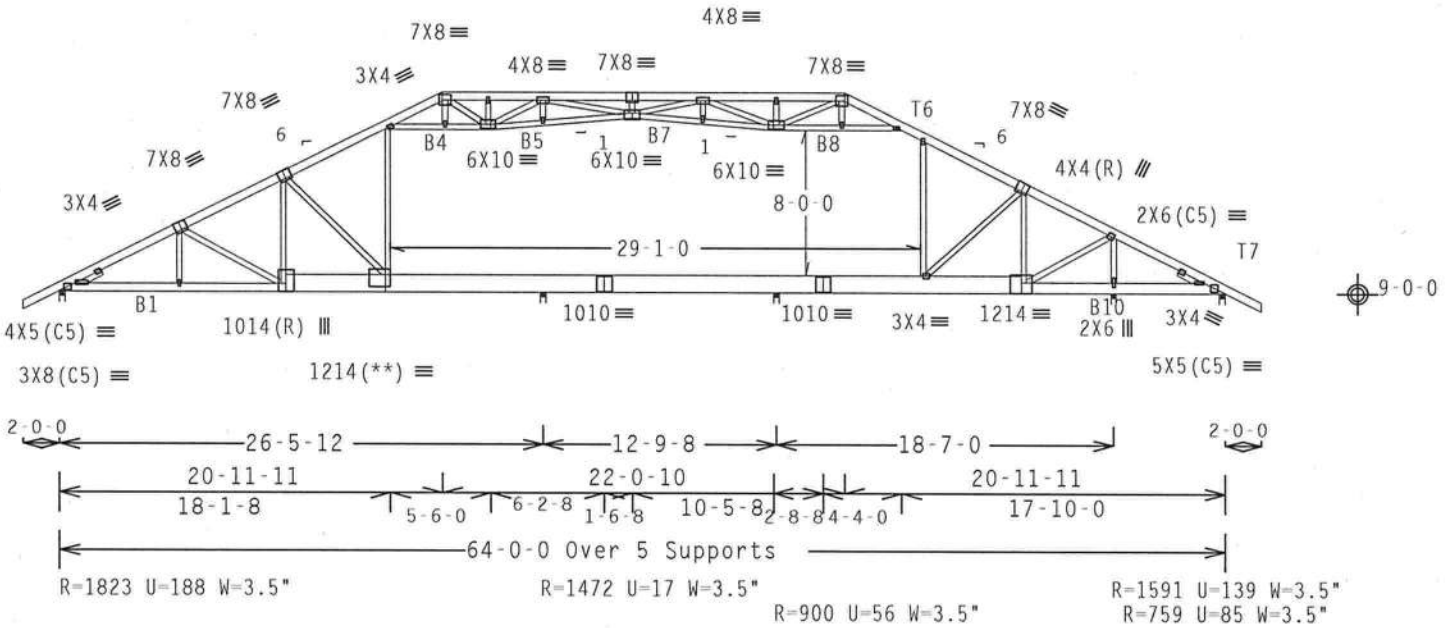
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 7.17 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 18-1-8 to 47-2-8.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI 1-03 in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI 1-03 recommends seeing a registered professional engineer for the design of temporary bracing.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.09375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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Jan 29 '08

TC LL	20.0 PSF	REF	R215-- 64270
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028030
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99871
DUR.FAC.	1.25	FROM	LRB
SPACING	16.0"	JREF-	1TEJ215_Z06

(5216-/TRUESDALE RESIDENCE /J.L. DUPREE -- , ** - A10)

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

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

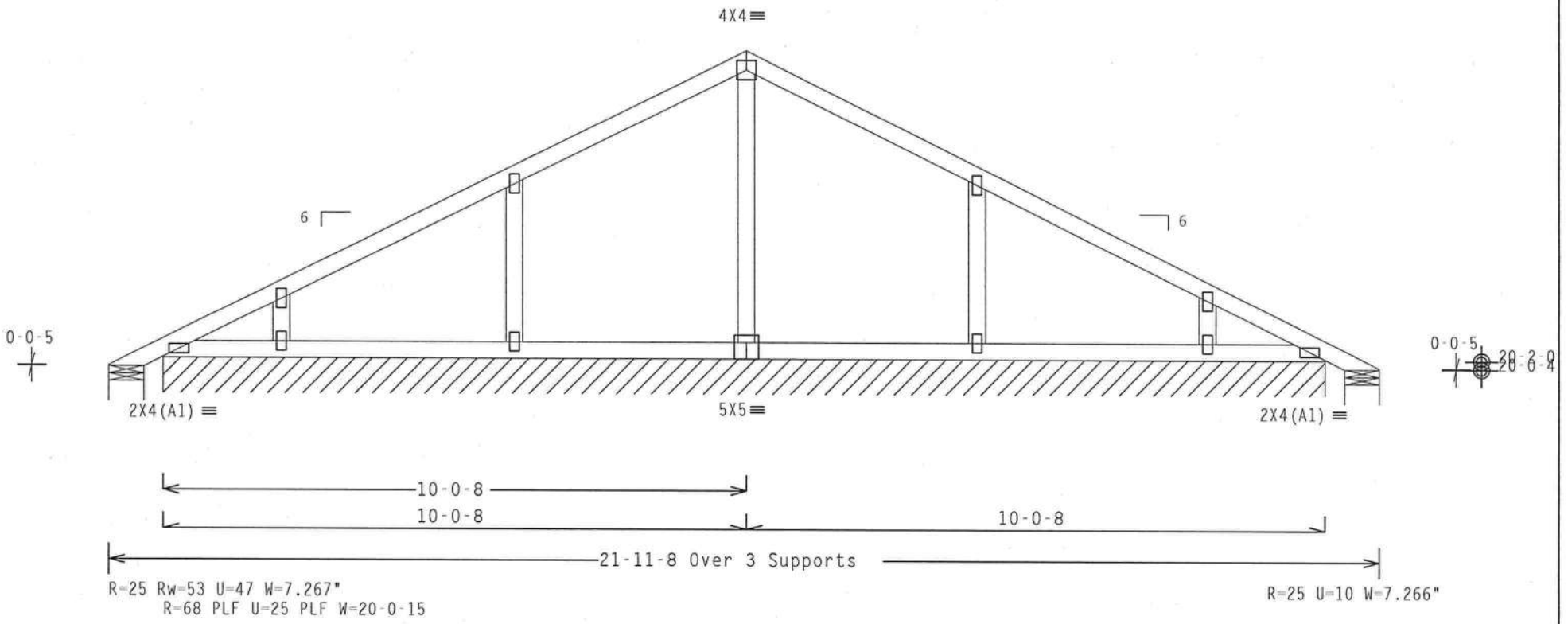
110 mph wind, 22.79 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf. Iw=1.00 GCpi(+/-)=0.18

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -0.94 to 62 PLF at 10.04
TC - From 62 PLF at 10.04 to 62 PLF at 21.02
BC - From 4 PLF at -0.94 to 4 PLF at 21.02

Wind reactions based on MWFRS pressures.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cg/RT=1.00(1.25)/0(0) 7.37.0521 1 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No 52217 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 29 08

TC LL	20.0 PSF	REF	R215-- 64271
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028031
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	11872 REV
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Calculated horizontal deflection is 0.23" due to live load and 0.24" due to dead load.

(B) Continuous lateral bracing equally spaced on member. Or 2x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

NOTE:
TRUSS MAY EXHIBIT UNDESIREABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN

Bearing blocks: Nail type: 0.131"x3"_Gun_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	6.000'	1	12"	4	Rigid Surface

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK0207 for additional information.

Wind reactions based on MWFRS pressures.

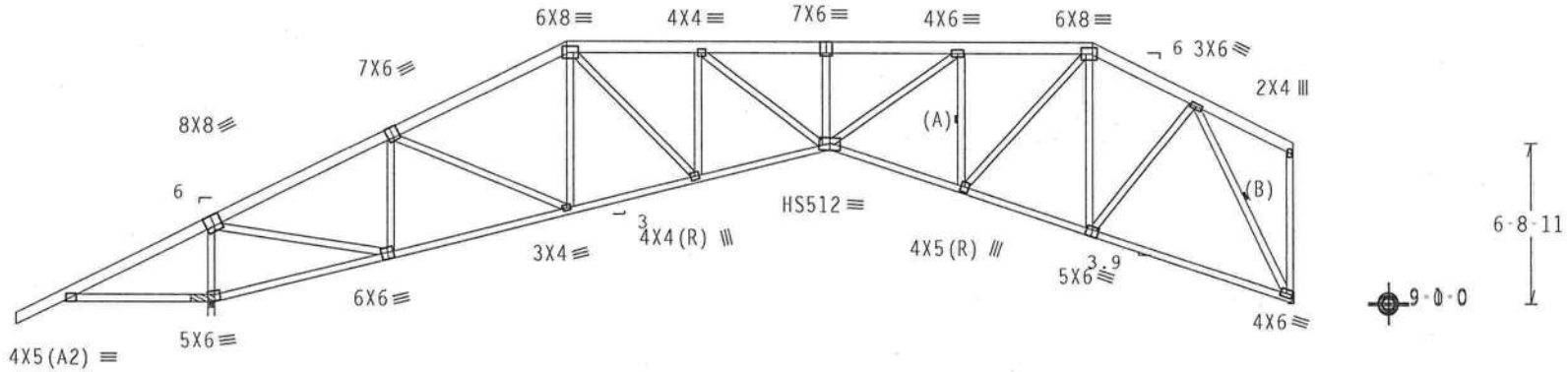
Right end vertical not exposed to wind pressure.

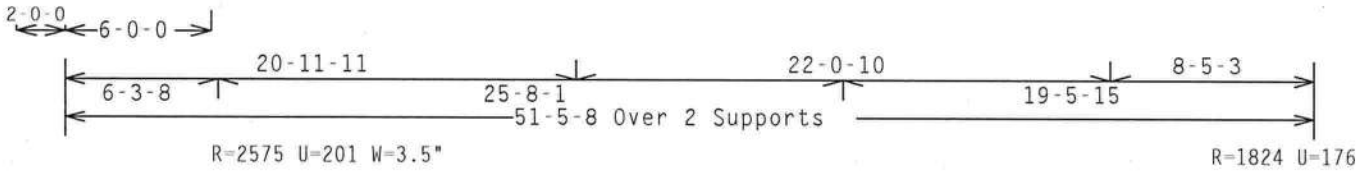
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 11-0-4.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave | Cq/RT=1.00(1.25)/0(0) | 7.38.0810 | QTY:1 | FL/-/5/-/-/R/- | Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSED No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 29 08

TC LL	20.0 PSF	REF R215-- 64272
TC DL	10.0 PSF	DATE 01/28/08
BC DL	10.0 PSF	DRW HCUSR215 08028032
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 99681
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TEJ215_Z06

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 7.88
BC - From 20 PLF at 0.00 to 20 PLF at 7.88
BC - 1824 LB Conc. Load at 1.94, 3.94, 5.94

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 6-7-11.

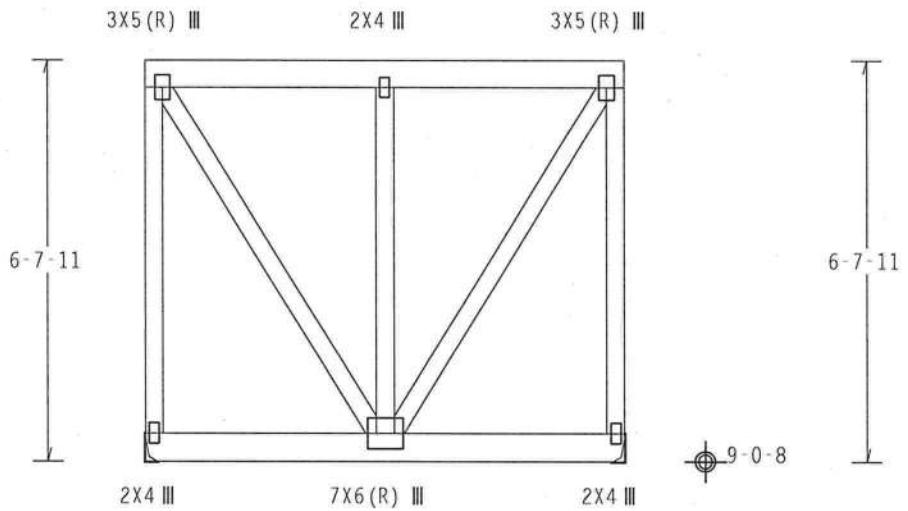
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.68 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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

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



7-10-8 Over 2 Supports

R=3051 U=301 R=3051 U=301

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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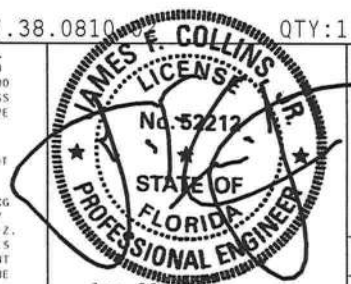


Jan 29 '08

TC LL	20.0 PSF	REF	R215-- 64273
TC DL	10.0 PSF	DATE	01/28/08
BC DL	10.0 PSF	DRW	HCUSR215 08028033
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	99707
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TEJ215_Z06

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

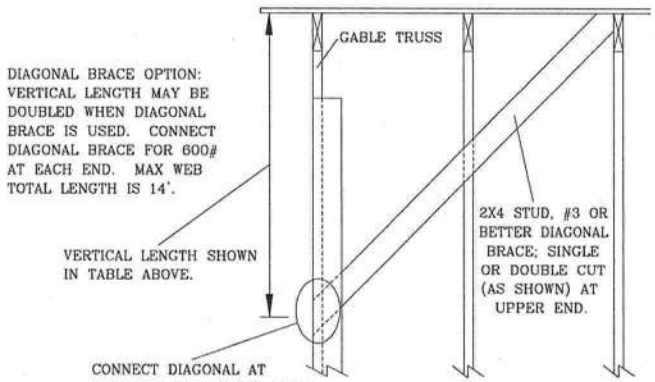
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

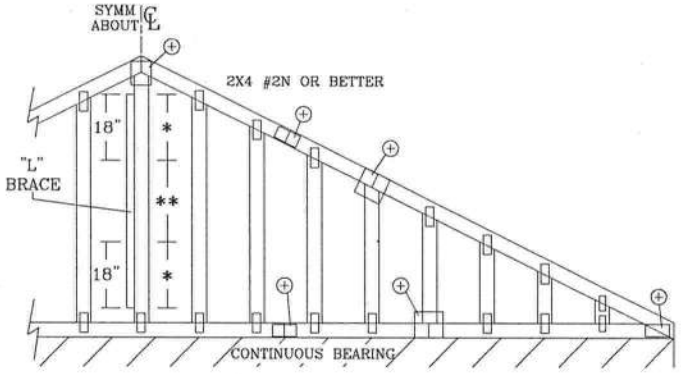
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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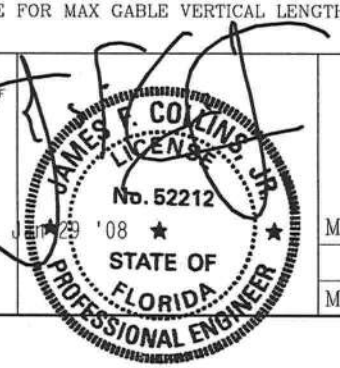
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS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

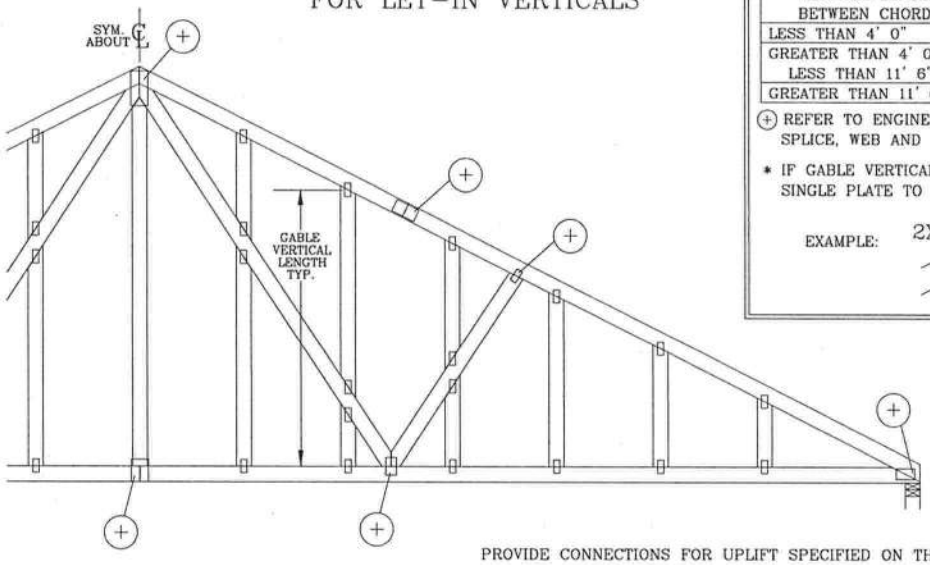


MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	2/23/07
DRWG	A11015EE0207
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

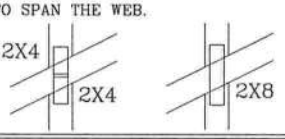


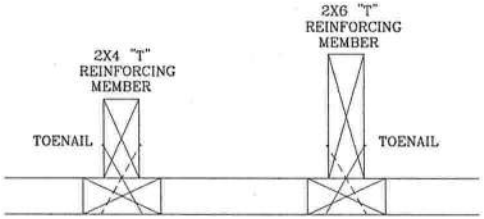
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:





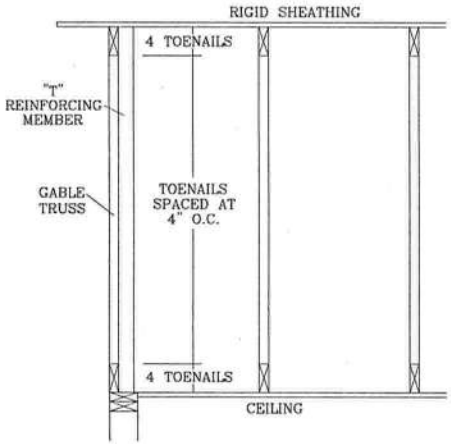
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

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

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207, A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207, A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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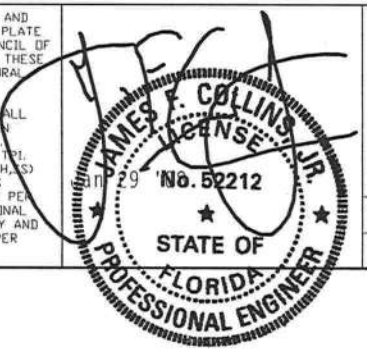


MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLLETIN0207
-ENG	DLJ/KAR

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

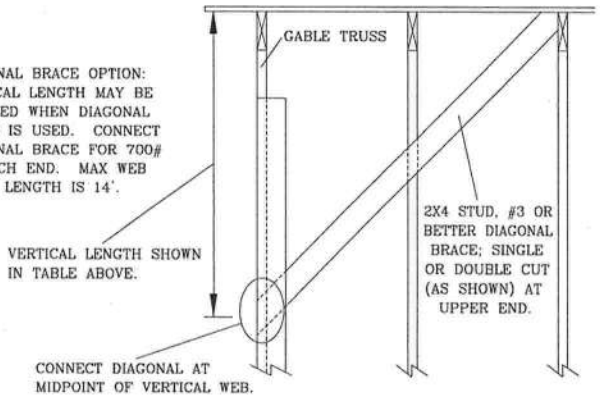
GROUP B:

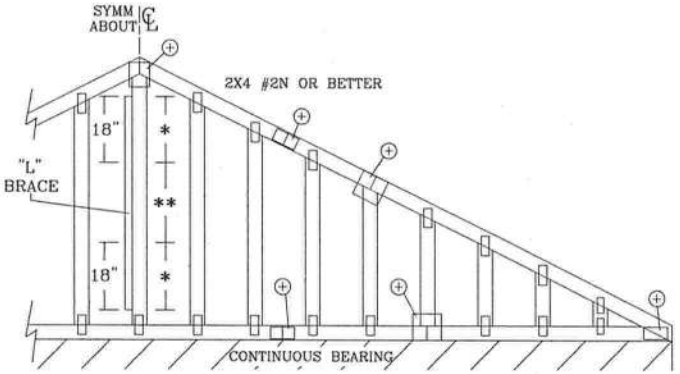
HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 700# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





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PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

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

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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

J[illegible] '08

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11030
DATE	2/23/07
DRWG	A11030EE0207
-ENG	

PIGGYBACK DETAIL

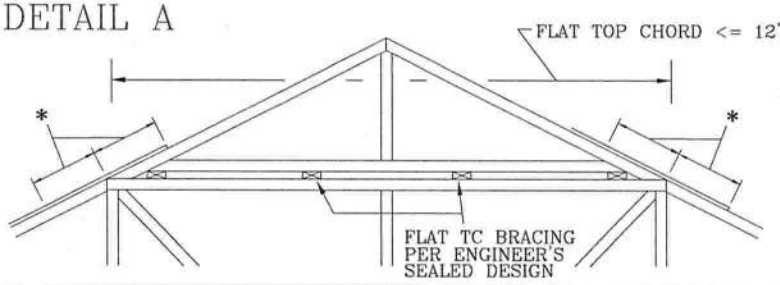
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, CLOSED BLGD, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

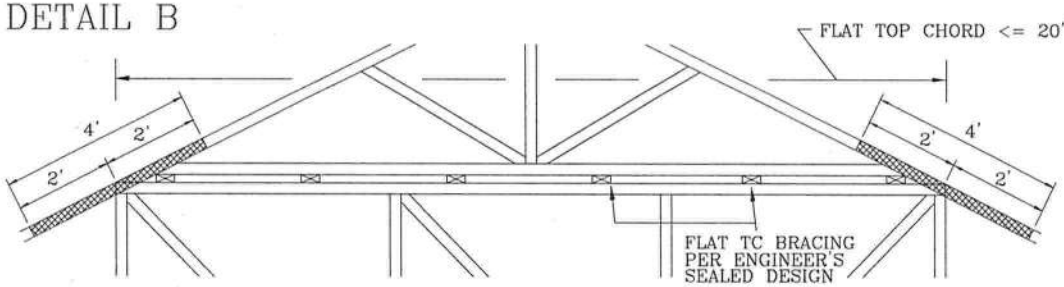
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

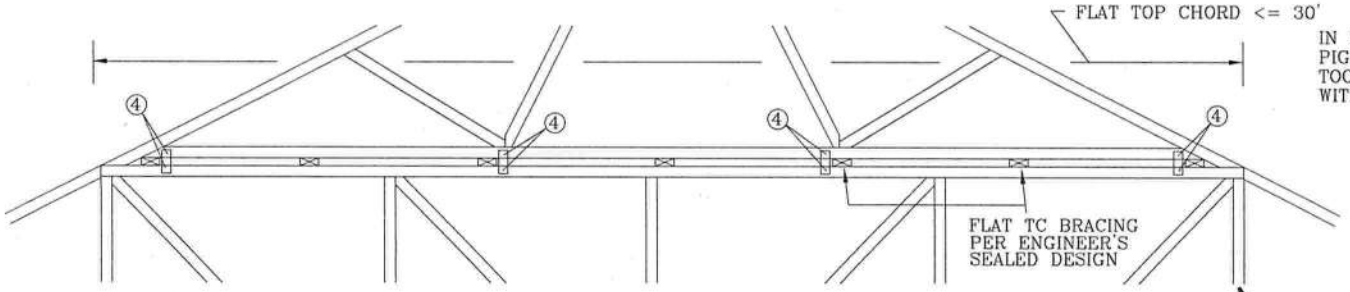
DETAIL B



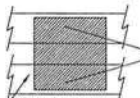
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"X3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.



IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.



8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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

Jan 29 '08

TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	PIGBACKA0207
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

PIGGYBACK DETAIL

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

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

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

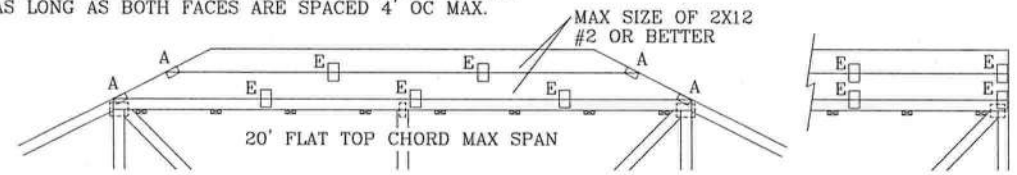
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

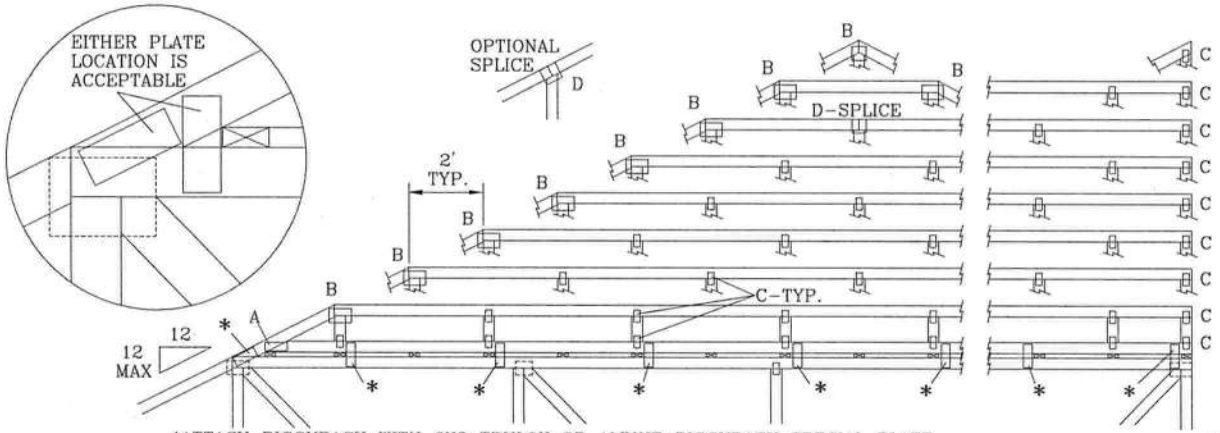
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR ASCE 7-05, CLOSED BLGD, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

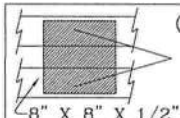
110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

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





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



(4) 6d BOX (0.099"X 2.",MIN) NAILS.

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099"X 2.",MIN) NAILS PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

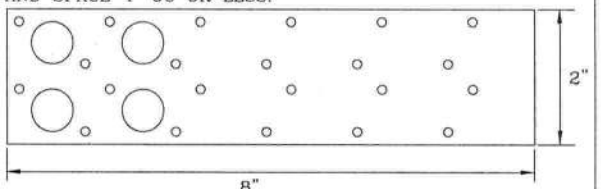
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

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

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5",MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5",MIN) NAILS AT 4" OC

* PIGGYBACK SPECIAL PLATE

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



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

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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

MAX LOADING
55 PSF AT 1.33 DUR. FAC.
50 PSF AT 1.25 DUR. FAC.
47 PSF AT 1.15 DUR. FAC.
SPACING 24.0"

REF	PIGGYBACK
DATE	2/23/07
DRWG	PIGBACKB0207
-ENG	DLJ/KAR

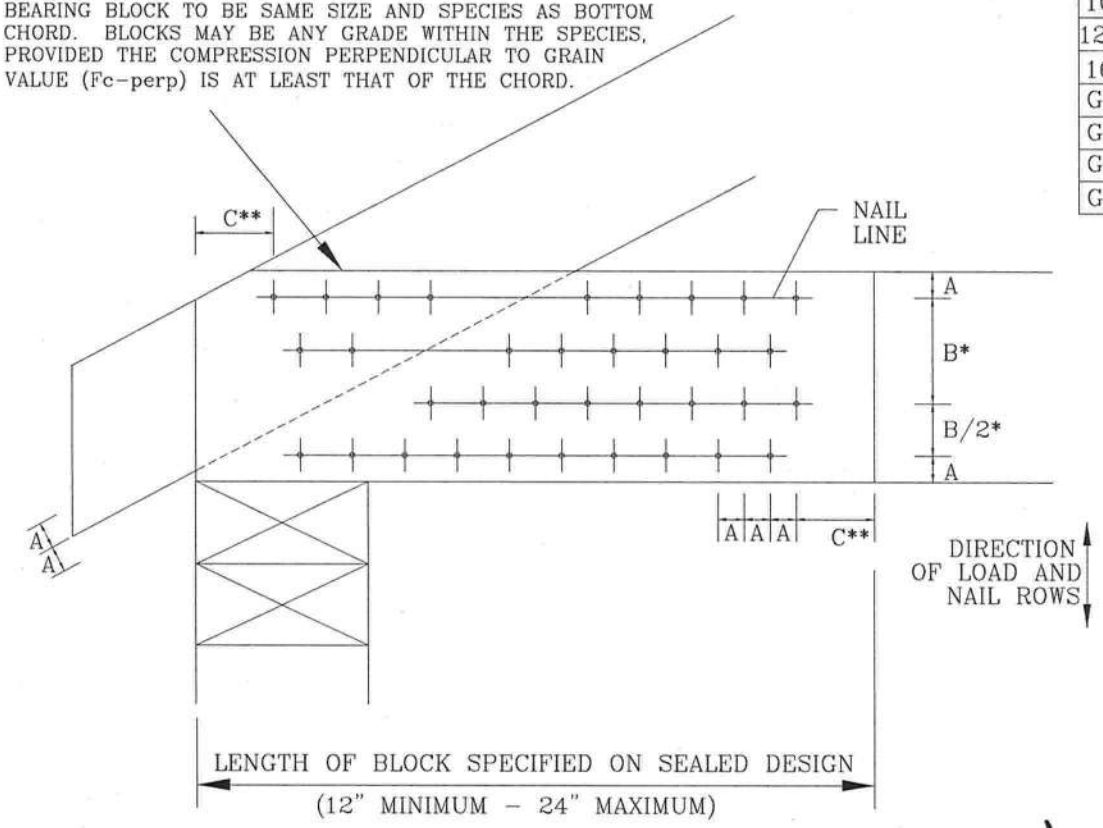
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

A – EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B – SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C – END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
- • SPACING MAY BE REDUCED BY 50%
- •• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE 2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15
10d BOX (0.128"X 3.",MIN)	3	5	7	10	12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12
20d BOX (0.148"X 4.",MIN)	2	4	5	6	8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12
10d COMMON (0.148"X 3.",MIN)	2	4	6	8	10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10
GUN (0.120"X 2.5",MIN)	3	6	8	11	14
GUN (0.131"X 2.5",MIN)	3	5	7	10	12
GUN (0.120"X 3.",MIN)	3	6	8	11	14
GUN (0.131"X 3.",MIN)	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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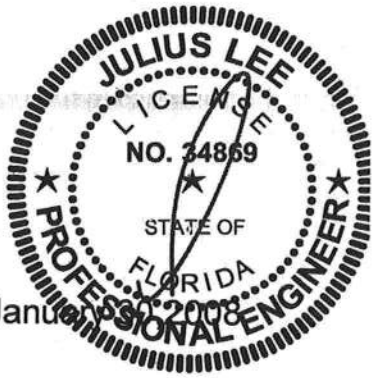
JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 29 '08

REF	BEARING BLOCK
DATE	2/23/07
DRWG	CNBRGBLK0207
-ENG	SJP/KAR

Builders FirstSource



January 9,2008

Project Information for: **L267271**

Builder: Isaac Construction
Lot : 3
Subdivision: Hickory Cove
County: Columbia
Truss Count: 27
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

Truss Design Load Information:

Gravity: **Wind:**

Roof (psf): 42.0 Wind Standard: ASCE 7-02 Wind Exposure: B
Floor (psf): N/A Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:

Isaac P. Bratkovich Florida License No. CBC059323
Address: 1005 Southwest Walter Avenue Lake City, Florida 32024

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869
Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date
1	J1924498	CJ1	1/9/08
2	J1924499	CJ3	1/9/08
3	J1924500	CJ5	1/9/08
4	J1924501	EJ7	1/9/08
5	J1924502	EJ7A	1/9/08
6	J1924503	EJ7B	1/9/08
7	J1924504	EJ7C	1/9/08
8	J1924505	EJ7D	1/9/08
9	J1924506	EJ7G	1/9/08
10	J1924507	HJ9	1/9/08
11	J1924508	T01	1/9/08
12	J1924509	T01G	1/9/08
13	J1924510	T02	1/9/08
14	J1924511	T02G	1/9/08
15	J1924512	T03	1/9/08
16	J1924513	T04	1/9/08
17	J1924514	T05	1/9/08
18	J1924515	T06	1/9/08
19	J1924516	T06G	1/9/08
20	J1924517	T07	1/9/08
21	J1924518	T08	1/9/08
22	J1924519	T09	1/9/08
23	J1924520	T09G	1/9/08
24	J1924521	T10G	1/9/08
25	J1924522	T11G	1/9/08
26	J1924523	T12	1/9/08
27	J1924524	T13	1/9/08

Residential System Sizing Calculation

Summary

Truesdale, Jon & Angel

, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

1/30/2008

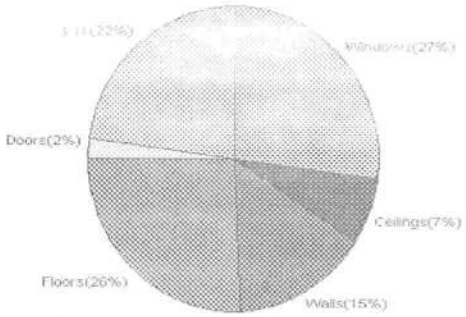
Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)

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	**33728**	**Btuh**	**Total cooling load calculation**	**27685**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	115.6	39000	Sensible (SHR = 0.75)	127.3	29250
Heat Pump + Auxiliary(0.0kW)	115.6	39000	Latent	207.0	9750
			Total (Electric Heat Pump)	140.9	39000

WINTER CALCULATIONS

Winter Heating Load (for 2257 sqft)

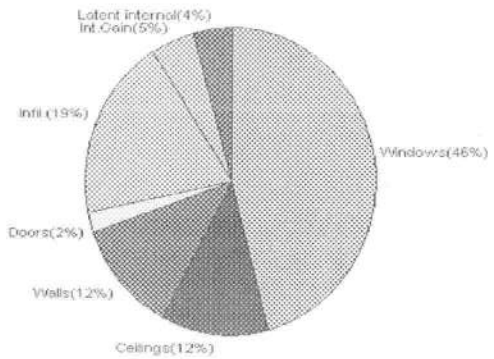
Load component			Load	
Window total	286	sqft	9206	Btuh
Wall total	1542	sqft	5064	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	2035	sqft	2398	Btuh
Floor total	200	sqft	8732	Btuh
Infiltration	186	cfm	7551	Btuh
Duct loss			0	Btuh
Subtotal			**33728**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			33728	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2257 sqft)

Load component			Load	
Window total	286	sqft	12634	Btuh
Wall total	1542	sqft	3216	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	2035	sqft	3370	Btuh
Floor total			0	Btuh
Infiltration	96	cfm	1787	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**22975**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			3510	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**4710**	**Btuh**
TOTAL HEAT GAIN			27685	Btuh



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 1-30-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/30/2008

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
5	2, Clear, Metal, 0.87	NE	60.0	32.2	1931 Btuh
6	2, Clear, Metal, 0.87	SE	72.0	32.2	2318 Btuh
7	2, Clear, Metal, 0.87	SW	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	SW	45.0	32.2	1449 Btuh
9	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
	Window Total		286(sqft)		9206 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1542	3.3	5064 Btuh
	Wall Total		1542		5064 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		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	2035	1.2	2398 Btuh
	Ceiling Total		2035		2398Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	200.0 ft(p)	43.7	8732 Btuh
	Floor Total		200		8732 Btuh
			Zone Envelope Subtotal:		26177 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	16947	186.4	7551 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**33728 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

1/30/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	33728 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33728 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 - Winter

Residential Load - Room by Room Component Details

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/30/2008

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	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
5	2, Clear, Metal, 0.87	NE	60.0	32.2	1931 Btuh
6	2, Clear, Metal, 0.87	SE	72.0	32.2	2318 Btuh
7	2, Clear, Metal, 0.87	SW	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	SW	45.0	32.2	1449 Btuh
9	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
	Window Total		286(sqft)		9206 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1542	3.3	5064 Btuh
	Wall Total		1542		5064 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		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	2035	1.2	2398 Btuh
	Ceiling Total		2035		2398Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	200.0 ft(p)	43.7	8732 Btuh
	Floor Total		200		8732 Btuh
			Zone Envelope Subtotal:		26177 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	16947	186.4	7551 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**33728 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Truesdale, Jon & Angel	Project Title:	Class 3 Rating
	801283Truesdale,Jon&Angel	Registration No. 0
, FL		Climate: North
		1/30/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	33728 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33728 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 [illegible] perimeter(p) for slab-on-grade [illegible] floor types.)

For Florida [illegible] only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/30/2008

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, None,N,N	NW	1.5ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	N	10ft.	6ft.	15.0	0.0	15.0	29	29	434 Btuh
4	2, Clear, 0.87, None,N,N	NW	13ft.	6ft.	40.0	0.0	40.0	29	60	2401 Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	60.0	0.0	60.0	29	60	3602 Btuh
6	2, Clear, 0.87, None,N,N	SE	7ft.	7ft.	72.0	72.0	0.0	29	63	2085 Btuh
7	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	4.0	4.0	0.0	29	63	119 Btuh
8	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	45.0	45.0	0.0	29	63	1303 Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	10.0	10.0	0.0	29	63	290 Btuh
	Window Total				286 (sqft)					12034 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1542.0	2.1	3216 Btuh
	Wall Total		1542 (sqft)		3216 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
2	Insulated - Adjacent	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	2035.0	1.7	3370 Btuh
	Ceiling Total		2035 (sqft)		3370 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	200 (ft(p))	0.0	0 Btuh
	Floor Total		200.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		19808 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	16947	96.0	1787 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		**22975 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

1/30/2008

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	22975 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22975 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	Total sensible gain	22975 Btuh
Totals for Cooling	Latent infiltration gain (for 7 gr. humidity difference)	3275 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	4710 Btuh
	TOTAL GAIN	27685 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

Truesdale, Jon & Angel
, FL

Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/30/2008

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	1.5ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
2	2, Clear, 0.87, None,N,N	NE	59ft.	6ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	N	10ft.	6ft.	15.0	0.0	15.0	29	29	434 Btuh
4	2, Clear, 0.87, None,N,N	NW	13ft.	6ft.	40.0	0.0	40.0	29	60	2401 Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	60.0	0.0	60.0	29	60	3602 Btuh
6	2, Clear, 0.87, None,N,N	SE	7ft.	7ft.	72.0	72.0	0.0	29	63	2085 Btuh
7	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	4.0	4.0	0.0	29	63	116 Btuh
8	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	45.0	45.0	0.0	29	63	1333 Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	10.0	10.0	0.0	29	63	297 Btuh
	Window Total				286 (sqft)					12634 Btuh

Walls	Type	R-Value/U-Value	Area (sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1542.0	2.1	3216 Btuh
	Wall Total		1542 (sqft)		3216 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
2	Insulated - Adjacent	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	2035.0	1.7	3370 Btuh
	Ceiling Total		2035 (sqft)		3370 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	200 (ft(p))	0.0	0 Btuh
	Floor Total		200.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		19808 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	16947	96.0	1787 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	**22975 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Truesdale, Jon & Angel	Project Title:	Class 3 Rating
	801283Truesdale,Jon&Angel	Registration No. 0
, FL		Climate: North
		1/30/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22975 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**22975 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**22975 Btuh**
	[illegible]	[illegible]
	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	**4710 Btuh**
	TOTAL GAIN	**27685 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

Truesdale, Jon & Angel

, FL

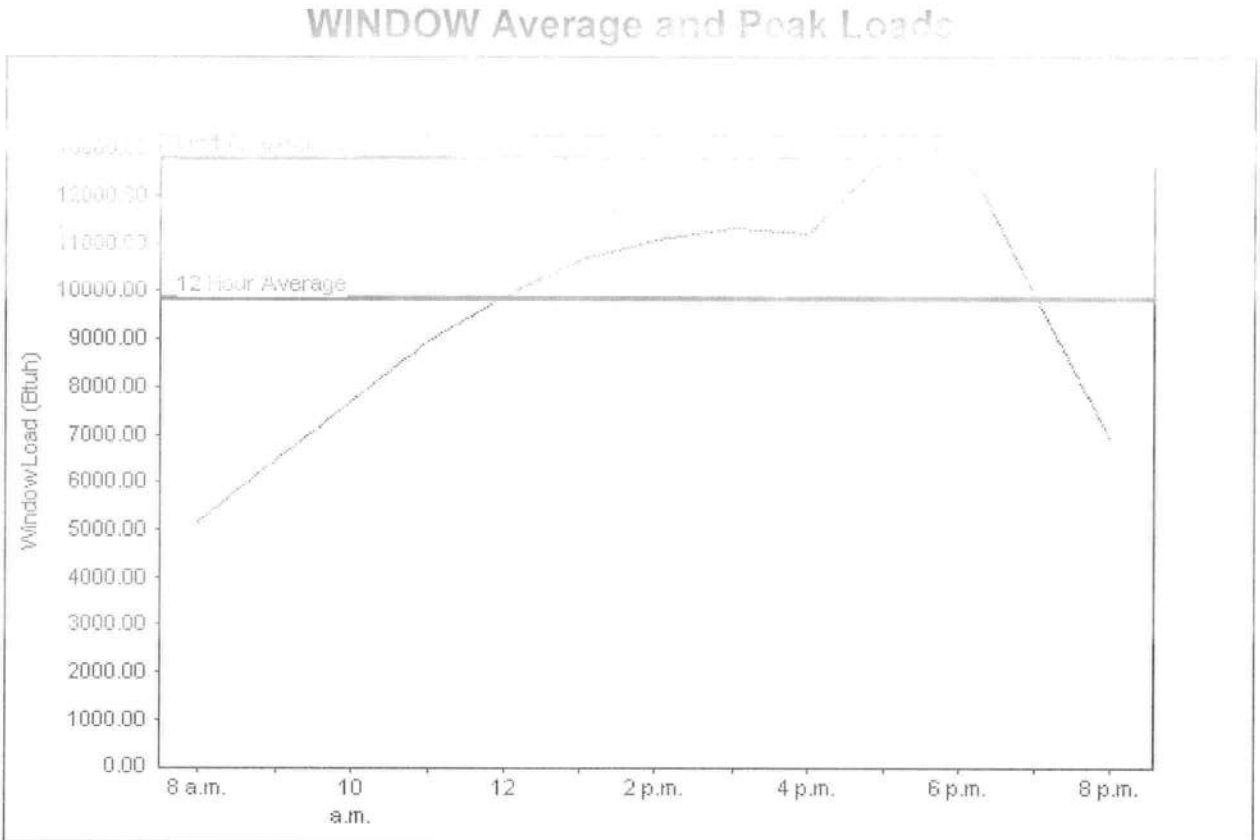
Project Title:
801283Truesdale,Jon&Angel

Class 3 Rating
Registration No. 0
Climate: North

1/30/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9847 Btuh
Summer setpoint	75 F	Peak window load for July	13057 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	12801 Btu
Latitude	29 North	Window excursion (July)	256 Btuh



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: 1-30-08

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Lake City Florida **Project Name:** Truesdale Residence

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242-R1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			Jordan
1. Single hung			FL 5108
2. Horizontal Slider			FL 5451
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-R2
2. Soffits			FL 4889
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			FL 3820-R1
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			FL 586-R2
2. Underlayments			FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12 Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			FL1760-R1
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6 Equipment			
7. Others			
F. SKYLIGHTS			
1 Skylight			
2 Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			FL 474-R1
3. Engineered lumber			
4. Railing			FL 1008-R1
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8 Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

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

Curt D McDonald
Contractor or Contractor's Authorized Agent Signature

Curt D. McDonald 1-30-08
Print Name Date

Lake City, Fl
Location

Permit # **(FOR STAFF USE ONLY)**

Website: