

DATE 01/13/2011

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000029126

APPLICANT MIKE TODD PHONE 386.755.4387
ADDRESS 129 NE COLBURN AVENUE LAKE CITY FL 32055
OWNER LARRY ELSHOFF PHONE 386.344.7105
ADDRESS 389 SW DEANNA TERRACE LAKE CITY FL 32025
CONTRACTOR MIKE TODD PHONE 386.755.4387
LOCATION OF PROPERTY 47-S TO MARVIN BURNETT,TURN W TO DEANNA TERRACE, TURN SOUTH
IT'S 1/4 MILE TO LOT ON L.
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 144000.00
HEATED FLOOR AREA 2088.00 TOTAL AREA 2880.00 HEIGHT 24.80 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 9'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 07-4S-17-08111-110 SUBDIVISION HOLLY HILL
LOT 10 BLOCK PHASE UNIT TOTAL ACRES 0.62

000001868 CGC006209
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32"MITERED 11-0008-N BLK TC N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 14460

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 Insulation 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 Pool date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by
Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 720.00 CERTIFICATION FEE \$ 14.40 SURCHARGE FEE \$ 14.40
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 848.80
INSPECTORS OFFICE CLERKS OFFICE

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

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

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 NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

Columbia County Building Permit Application

☒ WELL LETTER

For Office Use Only Application # 10/2-45 Date Received 12/27 By JW Permit # 1868/27126
 Zoning Official BLK Date 10.01.11 Flood Zone X Land Use Res. Low Dev. Zoning RSF-2
 FEMA Map # N/A Elevation N/A MFE 1' above River N/A Plans Examiner J.C. Date 1-10-11

Comments

☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code Nike's
 School _____ = TOTAL VF Nike's

Septic Permit No. (11-0008-N) Fax 386-755-1220

Name Authorized Person Signing Permit Mike Todd Phone 386-755-4387

Address 129 N.E. Colburn Ave Lake City FL 32051

Owners Name Larry Elshoff Phone 386-344-7105

911 Address 389 SW Deanna Terrace, L.C., FL 32025

Contractors Name Mike Todd Phone 386-755-4387

Address 129 NE Colburn Ave Lake City FL 32051

Fee Simple Owner Name & Address Larry Elshoff - Same

Bonding Co. Name & Address N-A

Architect/Engineer Name & Address N-A

Mortgage Lenders Name & Address First Federal

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

Property ID Number 07-45-17-08111-110 Estimated Cost of Construction 170,000

Subdivision Name Holly Hill Lot 10 Block _____ Unit _____ Phase _____

Driving Directions Wing 47 South, West on Marvin Burnett,
South on Deanna Terrace 125 mi - ^{LOT} on left

Number of Existing Dwellings on Property 0

Construction of Residence SFD Total Acreage .62 Lot Size 217x121

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 24'8"

Actual Distance of Structure from Property Lines - Front 34 Side 38 Side 35 Rear 99

Number of Stories 1 Heated Floor Area 2088 Total Floor Area 2880 Roof Pitch 9/12

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.

JW Left Message 1.10.11

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: 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 work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT 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.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)


Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

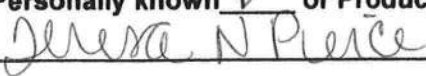
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.


Contractor's Signature (Permitee)

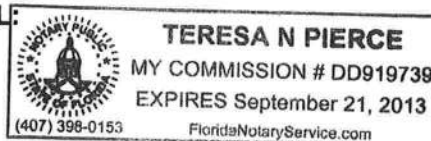
Contractor's License Number C6C006209
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 22 day of December 2010.

Personally known ☒ or Produced Identification _____

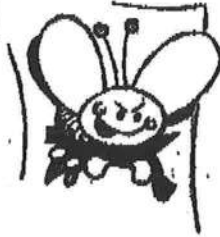

State of Florida Notary Signature (For the Contractor)

SEAL:



Noling Pest Control

Cory Noling, Owner
Phone (386) 454-3888
16782 NW SR 45 (32643)
P.O. Box 949 (32655)
High Springs, Florida



29126
updated

CERTIFICATE OF COMPLIANCE OF TERMITE PROTECTION

(AS REQUIRED BY FLORIDA BUILDING CODE (FBC) 1816.1.7)

LARRY ELSHOFF
389 SW DEANNA TERR. LAKE CITY, FL.

Address of Treatment of Lot/Block of Treatment

SOIL BARRIER - PREMISE PRO - 250 GIN.

Method of Termite Prevention Treatment-soil barrier, wood treatment,
bait system, other (describe)

The building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.


Authorized Signature

2/8/2011
Date

35.50

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY that the above and foregoing
is a true copy of the original filed in this office.
P. DEWITT CASON, CLERK OF COURTS

By: [Signature]
Deputy Clerk
Date: Dec 15, 2010



Inst: 201012019976 Date: 12/15/2010 Time: 3:27 PM
DC, P DeWitt Cason, Columbia County Page * of 4 B 1206 P-1447

NOTICE OF COMMENCEMENT

RECORDATION REQUESTED BY:
First Federal Bank of Florida
4705 Hwy 90 West
Lake City, Florida 32055

WHEN RECORDED MAIL TO:
First Federal Bank of Florida
P.O. Box 2029, Lake City,
Florida 32056

SEND TAX NOTICES TO:
First Federal Bank of Florida
4705 Hwy 90 West
Lake City, Florida 32055

FOR RECORDER'S USE ONLY

Residential

1. The legal description of the real property on which the improvement is to be is as follows:
SEE EXHIBIT 'A' ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

2. Owner or Lessee of the real property contracting for the improvement:
Name: Larry C Elshoff
Address: 389 SW Deanna Ter, Lake City, Florida 32025-0491
Capacity (Owner, Lessee, Part Owner, Land Contract Vendee, etc.): Larry C Elshoff a single man



3. Fee Owner of the real property (if the person contracting for the improvement above is a Land Contract Vendee or Lessee):
Name: Larry C Elshoff
Address: 389 SW Deanna Ter, Lake City, Florida 32025-0491
4. Owner or Lessee's Designee:
Name: Larry C Elshoff
Address: 389 SW Deanna Ter, Lake City, Florida 32025-0491
5. General Contractor, if any:
Name: Mike Todd Construction
Address: 129 NE Colburn Ave, Lake City, FL 32055

WARNING TO HOMEOWNER

Michigan law requires that you do the following:

1. Complete and return this form to the person who asked for it within 10 days after the date of the postmark on the request.
2. If you do not complete and return this form within the 10 days you may have to pay the expenses incurred in getting the information.
3. If you do not live at the site of the improvement, you must post a copy of this form in a conspicuous place at that site.

You are not required to but should do the following:

1. Complete and post a copy of this form at the place where the improvement is being made, even if you live there.
2. Make and keep a copy of this form for you own records.

TO LIEN CLAIMANTS AND SUBSEQUENT PURCHASERS

Take notice that work is about to commence on an improvement to the real property described in this instrument. A person having a construction lien may preserve the lien by providing a Notice of Furnishing to the above named Designee and the General Contractor, if any, and by timely recording a claim of lien, in accordance with law.

A person having a construction lien arising by virtue of work performed on this improvement should refer to the name of the Owner or Lessee and the legal description appearing in this Notice. A person subsequently acquiring an interest in the land described is not required to be named in a claim of lien.

A copy of this Notice with an attached form for Notice of Furnishing may be obtained upon making a written request by certified mail to the above named Owner or Lessee; the Designee; or the person with whom you have contracted.

I, **Larry C Elshoff**
being first sworn, depose and say that I am the owner

(Position)

of

(Owner, Lessee, Vendor, etc.)

of the above-described real property; that I have read and signed this Notice of Commencement, know the contents thereof, and have knowledge of the facts therein contain; and that the same are true to the best of my knowledge and belief.

Date: 12/13/10



Larry C Elshoff

This Notice of Commencement was prepared by:

Terry McDavid
P.O. Box 1328
Lake City, FL 32056

INDIVIDUAL ACKNOWLEDGMENT

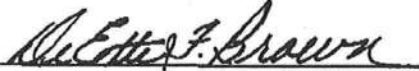
STATE OF Florida)
) SS
COUNTY OF Columbia)

On this day before me, the undersigned Notary Public, personally appeared

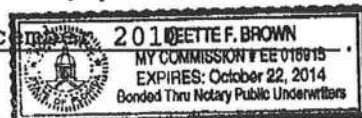
Larry C. Elshoff

to me known to be the individuals described in and who executed the Notice of Commencement, and acknowledged that they signed the Notice as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal this 13th day of December 2010

By 

My commission expires



Notary Public, State of Florida, County of Columbia

Acting in the County of _____

EXHIBIT "A"

Lot 10 of HOLLY HILL SUBDIVISION, according to the Plat thereof as recorded in Plat Book 6, Page(s) 147, of the Public Records of Columbia County, Florida.

Columbia County Property Appraiser

DB Last Updated: 11/4/2010

2010 Tax Year

Parcel: 07-4S-17-08111-110

<< Next Lower Parcel

Next Higher Parcel >>

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

Interactive GIS Map

Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	ELSHOFF LARRY C		
Mailing Address	12111 SE COUNTY RD 245 LULU, FL 32061		
Site Address	389 SW DEANNA TER		
Use Desc. (code)	VACANT (000000)		
Tax District	2 (County)	Neighborhood	7417
Land Area	0.000 ACRES	Market Area	06
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction. LOT 10 HOLLY HILL S/D. ORB 826-313, 939-239, 942-708, 948-60, 986-302.		

**Property & Assessment Values**

2010 Certified Values		
Mkt Land Value	cnt: (0)	\$23,287.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$23,287.00
Just Value		\$23,287.00
Class Value		\$0.00
Assessed Value		\$23,287.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$23,287 Other: \$23,287 Schl: \$23,287	

2011 Working Values**NOTE:**

2011 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)
Sales History
[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
6/16/2003	986/302	WD	V	Q		\$16,000.00
12/21/2001	942/708	QC	V	U	01	\$24,000.00
12/12/2001	948/60	QC	V	U	01	\$100.00
11/2/2001	939/239	WD	V	Q		\$48,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
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nst:2003012602 Date:06/17/2003 Time:09:46

Doc Stamp-Deed : 112.00

MCK DC.P.DeWitt Cason, Columbia County B:986 P:302

Prepared by
Elaine Davis, an employee of
First American Title Insurance Company
300 North Marion Street
Lake City, Florida 32055
(386) 752-3561

Return to: Grantee

File No.: 1092-264098

WARRANTY DEED

This indenture made on **Sixteenth day of June, 2003 A.D.**, by

Paul A. Roos and Shirley Mellen Roos, husband and wife

whose address is: **Route 10 box 19, Lake City, FL 32025**
hereinafter called the "grantor", to

Larry C. Elshoff

whose address is: **Route 3 Box 331, Lake Butler, FL 32054**
hereinafter called the "grantee:

(Which terms "Grantor" and "Grantee" shall include singular or plural, corporation or individual, and either sex, and shall include heirs, legal representatives, successors and assigns of the same)

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, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in **Columbia County, Florida**, to-wit:

Lot 10 of HOLLY HILL SUBDIVISION, according to the Plat thereof as recorded in Plat Book 6, Page(s) 147, of the Public Records of Columbia County, Florida.

Parcel Identification Number: **R08111-110**

Subject to covenants, conditions, restrictions and easements of record and taxes for the current year.

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

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

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

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

Paul A. Roos
Paul A. Roos

Shirley Mellen Roos
Shirley Mellen Roos

Signed, sealed and delivered in our presence:

Tina S. Melgaard
Witness Signature
TINA S. MELGAARD

Print Name: _____

Elaine R. Davis
Witness Signature

Print Name: Elaine R. Davis

State of **Florida**

County of **Columbia**

The Foregoing Instrument Was Acknowledged before me on **June 16, 2003**, by **Paul A. Roos and Shirley Mellen Roos, husband and wife** who is/are personally known to me or who has/have produced a valid driver's license as identification.



Tina S. Melgaard
NOTARY PUBLIC
TINA S. MELGAARD

Notary Print Name
My Commission Expires: 12/3/06

NSF: 2003012602 Date: 06/17/2003 Time: 09:46
cc Stamp-Deed : 112.00
MCK NC, P. Dewitt Cason, Columbia County E: 986 P: 303



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

09/13/2010

PRODUCER WL HUNTER INSURANCE AGENCY, LLC PO BOX 1827 LAKE CITY, FL 32056	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED MIKE TODD CONSTRUCTION INC 129 N E COLBURN AVE LAKE CITY, FL 32055	INSURER A: AUTO-OWNERS	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR	ADD'L	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY ☐ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PROJECT ☐ LOC	78279024	06/28/2010	06/28/2011	EACH OCCURRENCE	\$ 500,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 50,000
						MED EXP (Any one person)	\$ 5,000
						PERSONAL & ADV INJURY	\$ 500,000
						GENERAL AGGREGATE	\$ 1,000,000
						PRODUCTS - COMP/OP AGG	\$ 1,000,000
		AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	\$
						BODILY INJURY (Per person)	\$
						BODILY INJURY (Per accident)	\$
						PROPERTY DAMAGE (Per accident)	\$
		GARAGE LIABILITY ☐ ANY AUTO				AUTO ONLY - EA ACCIDENT	\$
						OTHER THAN EA ACC	\$
						AUTO ONLY: AGG	\$
		EXCESS/UMBRELLA LIABILITY ☐ OCCUR ☐ CLAIMS MADE DEDUCTIBLE RETENTION \$				EACH OCCURRENCE	\$
						AGGREGATE	\$
							\$
							\$
							\$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				☐ WC STATU- TORY LIMITS ☐ OTH- ER	
						E.L. EACH ACCIDENT	\$
						E.L. DISEASE - EA EMPLOYEE	\$
						E.L. DISEASE - POLICY LIMIT	\$
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

COLUMBIA COUNTY BUILDING DEPT
135 N E HERNANDO AVENUE
LAKE CITY, FL 32055

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

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

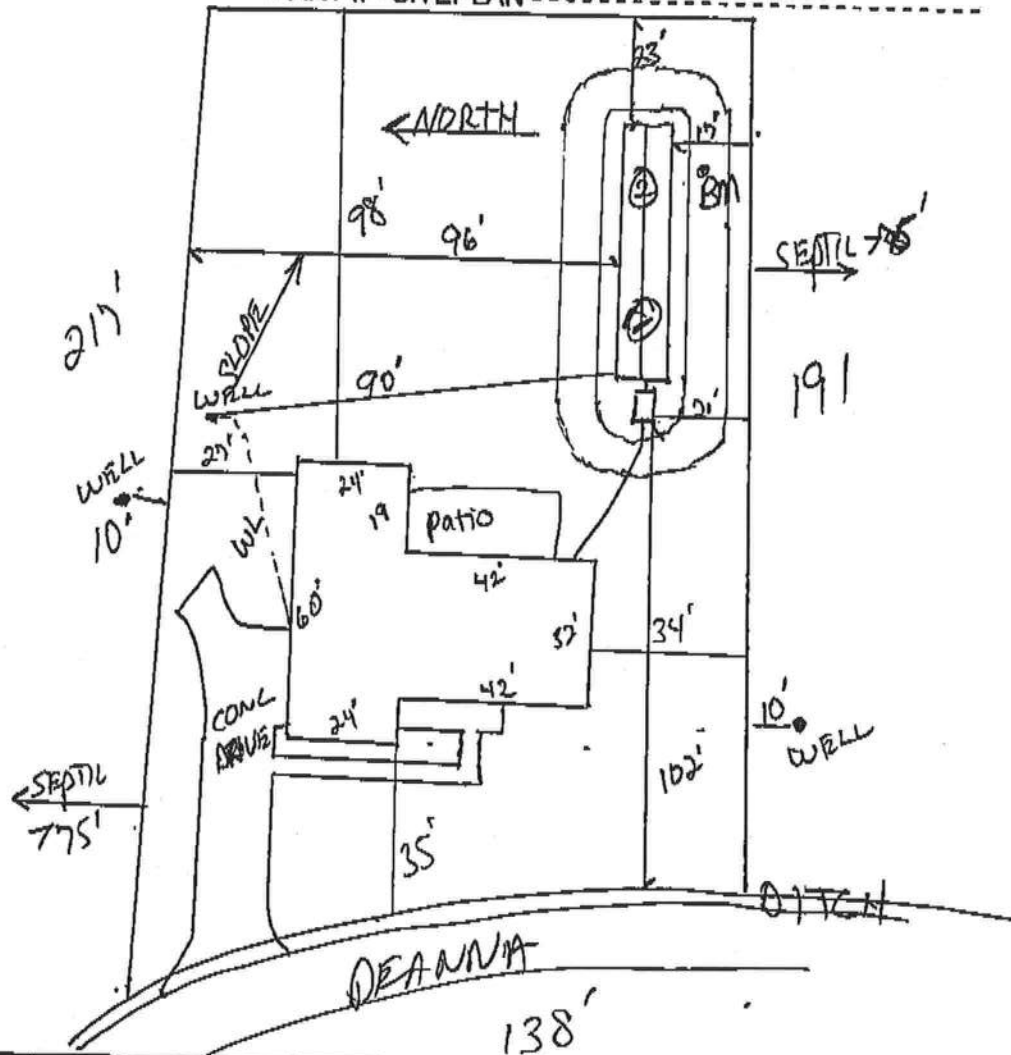
Permit Application Number 1-0008-N

ELSHOFF

PART II - SITEPLAN

121' W 11775'

Scale: 1 inch = 40 feet.



Notes:

Site Plan submitted by:

Plan Approved

By _____

Not Approved

MASTER CONTRACTOR

Date 1-3-11

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION PERMIT

PERMIT NO. 11-00087
DATE PAID: 1-6-11
FEE PAID: 310.00
RECEIPT #: 12-P10-111-2338

CONSTRUCTION PERMIT FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: Larry ElshoffPROPERTY ADDRESS: 389 SW Deanna Terr, Lake City, FL, 32025

LOT: 10 BLOCK: na SUBDIVISION: Holly Hill S/D
[SECTION, TOWNSHIP, RANGE, PARCEL NUMBER]
PROPERTY ID #: 7-4S-17-08111-10 [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [1050] GALLONS / GPD SEPTIC TANK/AEROBIC UNIT CAPACITY MULTI-CHAMBERED/IN-SERIES ☐
A [] GALLONS / GPD CAPACITY MULTI-CHAMBERED/IN-SERIES ☐
N [] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
K [] GALLONS DOSING TANK CAPACITY ☐ GALLONS @ ☐ DOSES PER 24 HRS # PUMPS ☐

D [500] SQUARE FEET PRIMARY DRAINFIELD SYSTEM
R [] SQUARE FEET SYSTEM
A TYPE SYSTEM: ☐ STANDARD ☐ FILLED ☒ MOUND ☐
I CONFIGURATION: ☒ TRENCH ☐ BED ☐

N
F LOCATION OF BENCHMARK: NAIL IN OAK TREE SOUTH OF STR
I ELEVATION OF PROPOSED SYSTEM SITE [12] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [6] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: [24] INCHES EXCAVATION REQUIRED: [14] INCHES

O
T
H
E
R

SPECIFICATIONS BY: Rocky D. F. TITLE: MASTER CONTRACTOR
APPROVED BY: Salvo Fred TITLE: EN Director Columbia CHD

DATE ISSUED: 1-13-11 EXPIRATION DATE: 7-13-12

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)
Incorporated: 64e-6.003, FAC

Effective March 1, 2009

FORM 1100B-08	FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION Residential Component Prescriptive Method B	ALL CLIMATE ZONES
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Compliance with Method B of Chapter 11 of the *Florida Building Code, Residential*, or Subchapter 13-6 of the *Florida Building Code, Building*, may be demonstrated by the use of Form 1100B for single- and multiple-family residences of three stories or less in height, additions to existing residential buildings, renovations to existing residential buildings, new heating, cooling, and water heating systems in existing buildings, and site-added components of manufactured homes and manufactured buildings. To comply, a building must meet or exceed all of the energy efficiency requirements on Table 11B-1 and all applicable mandatory requirements summarized in Table 11B-2 of this form. If a building does not comply with this method, it may still comply under Method A of Chapter 11 or Subchapter 13-6 of the applicable code.

PROJECT NAME: AND ADDRESS:	BUILDER:	PERMITTING OFFICE:
OWNER:	PERMIT NO.:	JURISDICTION NO.:

1. New construction including additions which incorporate any of the following features cannot comply using this method: skylights or other nonvertical roof glass, glass areas in excess of 16 percent of conditioned floor area, and electric resistance heat (See Notes to Table 11B-1 on page 2).
2. Fill in all the applicable spaces of the "To Be Installed" column on "Table 11B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
3. Complete page 1 based on the "To Be Installed" column information.
4. Read "Minimum Requirements for All Packages", Table 11B-2 and check each box to indicate your intent to comply with all applicable items.
5. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. New construction, addition, or existing building	1. <u>New</u>	
2. Single-family detached or multiple-family attached	2. <u>Single Fam.</u>	
3. If multiple-family—No. of units covered by this submission	3. <u> </u>	
4. Is this a worst case? (yes/no)	4. <u>NO</u>	
5. Conditioned floor area (sq. ft.)	5. <u>2088</u>	
6. Glass type and area:		
a. U-factor	6a. <u>1.31</u>	
b. SHGC	6b. <u>1.30</u>	
c. Glass area	6c. <u>170</u> sq. ft.	
7. Percentage of glass to floor area	7. <u>8</u> %	
8. Floor type, area or perimeter, and insulation:		
a. Slab-on-grade (R-value)	8a. R = <u>0</u> lin. ft.	
b. Wood, raised (R-value)	8b. R = <u> </u> sq. ft.	
c. Wood, common (R-value)	8c. R = <u> </u> sq. ft.	
d. Concrete, raised (R-value)	8d. R = <u> </u> sq. ft.	
e. Concrete, common (R-value)	8e. R = <u> </u> sq. ft.	
9. Wall type, area and insulation:		
a. Exterior:		
1. Masonry (Insulation R-value)	9a-1. R = <u> </u> sq. ft.	
2. Wood frame (Insulation R-value)	9a-2. R = <u>13</u> <u>1040</u> sq. ft.	
b. Adjacent:		
1. Masonry (Insulation R-value)	9b-1. R = <u> </u> sq. ft.	
2. Wood frame (Insulation R-value)	9b-2. R = <u> </u> sq. ft.	
10. Ceiling type, area and insulation:		
a. Under attic (Insulation R-value)	10a. R = <u>22</u> sq. ft. <u>2010</u>	
b. Single assembly (Insulation R-value)	10b. R = <u> </u> sq. ft.	
11. Air distribution system: Duct insulation, location		
Test report required if duct in unconditioned space	11a. R = <u>6</u>	
	11b. Test report attached? Yes ☒ No ☐	
12. Cooling system:		
(Types: central, room unit, package terminal A.C., gas, none)	12a. Type: <u>central</u>	
	12b. SEER/EER: <u>13</u>	
	12c. Capacity: <u>3 ton</u>	
13. Heating system:		
(Types: heat pump, elec. strip, nat. gas, LP-Gas, gas h.p., room or PTAC, none)	13a. Type: <u>Heat Pumps</u>	
	13b. HSPF/COP/AFUE: <u>2.7</u>	
	13c. Capacity: <u>30,000 BTU</u>	
14. Programmable thermostat installed on HVAC systems:	14. ☒ Yes ☐ No	
15. Hot water system:		
(Types: elec., nat. gas, LP-gas, solar, heat rec., ded. heat pump, other, none)	15a. Type: <u>Electric</u>	
	15b. EF: <u>190</u>	

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code. PREPARED BY: <u>[Signature]</u> DATE: <u>12/1/10</u> I hereby certify that this building is in compliance with the Florida Energy Code: OWNER AGENT: <u> </u> DATE: <u> </u>	Review of 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 in accordance with Section 553.908, F.S. BUILDING OFFICIAL: <u> </u> DATE: <u> </u>
---	--

APPENDIX 13-D

TABLE 11B-1

MINIMUM REQUIREMENTS (See Note 1)

All Climate Zones

BUILDING COMPONENT	PERFORMANCE CRITERIA	INSTALLED VALUES:
Windows (see Note 2):	U-Factor = 0.65 SHGC = 0.35 % of CFA ≤ 16%	U-Factor = <i>0.35</i> SHGC = <i>0.35</i> % of CFA = <i>0.08%</i>
Exterior door type	Wood or insulated	Type: <i>Insulated</i>
Walls – Ext. and Adj. (see Note 3): Frame Mass (see Note 3) Interior of wall: Exterior of wall:	R-13 R-6 R-4	R-Value = <i>13</i> R-Value = R-Value =
Electric resistance heat (See Note 10)	Not allowed	
Ceilings (see Notes 3 & 4)	R=30	R-Value = <i>22</i>
Floors: Slab-on-grade Over unconditioned spaces (see Note 3)	No requirement R-13	R-Value = <i>5/2"</i>
Hot water systems (storage type) Electric (see Note 5): Gas fired (see Note 6):	40 gal: EF = 0.92 50 gal: EF = 0.90 40 gal: EF = 0.59 50 gal: EF = 0.58	Gallons = <i>50</i> EF = <i>0.90</i> Gallons = EF =
Air conditioning systems (see Note 7)	SEER = 13.0	SEER = <i>13</i>
Heat pump systems (see Note 8)	SEER = 13.0 HSPF = 7.7	SEER = <i>13</i> HSPF = <i>7.7</i>
Gas furnaces	AFUE = 78%	AFUE =
Oil furnaces	AFUE = 78%	AFUE =
Programmable thermostat (see Note 10)	Must be installed on all HVAC systems.	Installed? ☒ Yes ☐ No
Ductwork: (see Note 9) Unconditioned space* Conditioned space Unvented attic assembly per R806.4 with insulation at the roof plane	R-6, TESTED NA R-4.2	Location: Unconditioned space R-Value = <i>6</i> Test report: Conditioned space R-Value = (No test report required)
Air Handler location: Unconditioned attic* or garage Conditioned space or Unvented attic assembly per R806.4 with insulation at the roof plane	Requires test report No duct test required	Location: <i>cond. space</i> Test report:

- (1) Each component present in the As-Built home must meet or exceed each of the applicable performance criteria in order to comply with this code using this method; otherwise Method A compliance must be used.
- (2) Windows and doors qualifying as glazed fenestration areas must comply with both the maximum U-Factor and the maximum SHGC (Solar Heat Gain Coefficient) criteria and have a maximum total window area equal to or less than 16% of the conditioned floor area (CFA), otherwise Method A must be used for compliance. **Exceptions:** 1. Additions of 600 square feet (56 m²) or less may have maximum glass to CFA of 50 percent. 2. Renovations with new windows under ≥ 2 foot overhang whose lower edge does not extend further than 8 feet from the overhang may have tinted glazing or double-pane clear glazing. Replacement skylights installed in renovations shall be doublepaned or single paned with a diffuser.
- (3) R-Values are for insulation material only as applied in accordance with manufacturers' installation instructions. For mass walls, the "interior of wall" requirement (R-6) must be met except if at least 50% of the R-4 insulation value required for the "exterior of wall" is installed exterior of, or integral to, the wall.
- (4) Attic knee walls shall be insulated to same level as ceilings and shall have a positive means of maintaining insulation in place. Such means may include rigid insulation board or air barrier sheet materials adequately fastened to the attic sides of knee wall framing materials.
- (5) For other electric storage volumes, minimum EF = 0.97 - (0.00132 * volume).
- (6) For other natural gas storage volumes, minimum EF = 0.67 - (0.0019 * volume).
- (7) For all conventional units with capacities greater than 30,000 Btu/hr. For Small-Duct, High-Velocity units, Space Constrained units, and units with capacities less than 30,000 Btu/hr see Table 13-607.AB.3.2A of the *Florida Building Code, Building*, or Table N1107.AB.3.2A of the *Florida Building Code, Residential*.
- (8) For all conventional units with capacities greater than 30,000 Btu/hr. For Small-Duct, High-Velocity units, Space Constrained units, and units with capacities less than 30,000 Btu/hr see Table 13-607.AB.3.2B of the *Florida Building Code, Building*, or Table N1107.AB.3.2B of the *Florida Building Code, Residential*.
- (9) All ducts and air handlers shall be either located in conditioned space or tested by a Class 1 BERS rater to be "substantially" leak free. "Substantially leak free" shall mean distribution system air leakage to outdoors no greater than 3 cfm per 100 square feet of conditioned floor area at a pressure differential of 25 Pascal (0.10 in. wc.) across the entire air distribution system, including the manufacturer's air handler enclosure. **Exception:** New or replacement ducts installed onto an existing air distribution system as part of an addition or renovation. Such ducts shall either be insulated to R-6 or be installed in conditioned space.
- (10) The prohibition on electric resistance heat and the requirement for programmable thermostats do not apply to additions, renovations, and new heating systems installed in existing buildings.

TABLE 11B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	N1106.AB.1.2	To be caulked, gasketed, weather-stripped or otherwise sealed.	☒
Exterior Windows & Doors	N1106.AB.1.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	☒
Sole & Top Plates	N1106.AB.1.2.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	☒
Recessed Lighting	N1106.AB.1.2.4	Type IC rated with no penetrations (two alternatives allowed).	☒
Multistory Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	☒
Exhaust Fans	N1106.AB.1.3	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	☒
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.AB.3. Switch or clearly marked circuit breaker electric or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	☒
Swimming Pools & Spas	N1112.AB.2.3.4	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	☒
Hot Water Pipes	N1112.AB.5	Insulation is required for hot water circulating systems (including heat recovery units).	☒
Shower Heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	☒
HVAC Duct Construction, Insulation & Installation	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in attics must be insulated to a minimum of R-6.	☒
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	☒

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1012-45 CONTRACTOR Mike Todd PHONE 755-4387

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

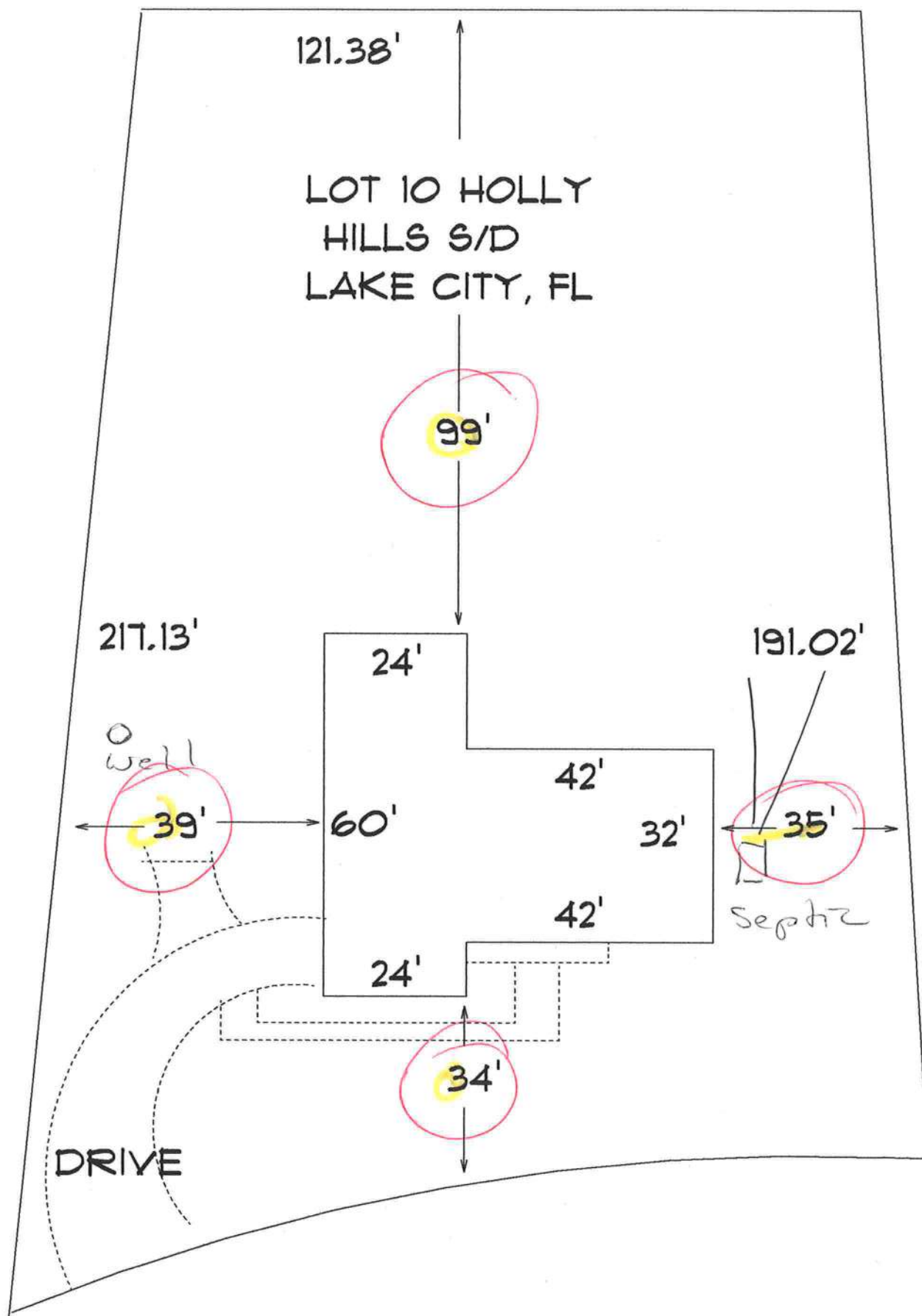
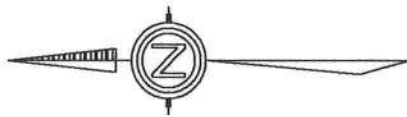
In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name <u>Michael Smith</u> License #: <u>EC-0002655</u>	Signature <u>[Signature]</u> Phone #: <u>752-1077</u>
MECHANICAL/ A/C	Print Name <u>Ramar Bozer</u> License #: <u>RA 003507</u>	Signature <u>[Signature]</u> Phone #:
PLUMBING/ GAS <u>161</u>	Print Name <u>KENNETH AULT</u> License #: <u>LIC#RF11067359</u>	Signature <u>[Signature]</u> Phone #: <u>386-0697-3856</u>
ROOFING <u>539</u>	Print Name <u>Mike Todd</u> License #: <u>CGC 006209</u>	Signature <u>[Signature]</u> Phone #: <u>755-4387</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #:
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON <u>(7-15-11)</u>	<u>000222</u>	<u>Harold Houston</u>	<u>[Signature]</u>
CONCRETE FINISHER	<u>000310</u>	<u>Larry Parrish</u>	<u>[Signature]</u>
FRAMING <u>539</u>	<u>CGC006209</u>	<u>M. Todd</u>	<u>[Signature]</u>
INSULATION <u>539</u>	<u>CGC006209</u>	<u>M. Todd</u>	<u>[Signature]</u>
STUCCO	_____	_____	_____
DRYWALL <u>539</u>	<u>CGC006209</u>	<u>M. Todd</u>	<u>[Signature]</u>
PLASTER	_____	_____	_____
CABINET INSTALLER	<u>CGC006209</u>	<u>M. Todd</u>	<u>[Signature]</u>
PAINTING	<u>CGC006209</u>	<u>M. Todd</u>	<u>[Signature]</u>
ACOUSTICAL CEILING	_____	_____	_____
GLASS	_____	_____	_____
CERAMIC TILE <u>539</u>	<u>CGC006209</u>	<u>Mike Todd</u> (Top Note)	<u>[Signature]</u>
FLOOR COVERING <u>539</u>	<u>CGC006209</u>	<u>Mike Todd</u>	<u>[Signature]</u>
ALUM/VINYL SIDING <u>539</u>	<u>CGC006209</u>	<u>M. Todd</u>	<u>[Signature]</u>
GARAGE DOOR <u>539</u>	<u>CGC006209</u>	<u>M. Todd</u>	<u>[Signature]</u>
METAL BLDG ERECTOR	_____	_____	_____

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.



COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 12/2/2010 DATE ISSUED: 12/6/2010

ENHANCED 9-1-1 ADDRESS:

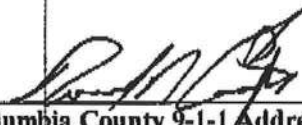
✓ 389 SW DEANNA TER
LAKE CITY FL 32025
PROPERTY APPRAISER PARCEL NUMBER:
07-4S-17-08111-110

Remarks:

LOT 10 HOLLY HILL S/D

942-708
948-60
986-302

Address Issued By:


Columbia County 9-1-1 Addressing / GIS Department

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

A&B Well Drilling, Inc.

5673 NW Lake Jeffery Road
Lake City, FL 32055
Telephone: (386) 758-5409
Cell: (386) 623-3151
Fax: (386) 758-3410
Owner: Bruce Park

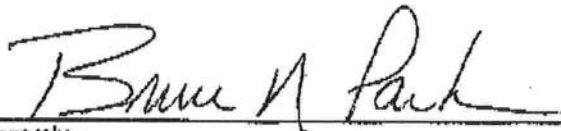
December 28, 2010

To: Columbia County Building Department

Description of Well to be installed for Customer Larry C Elshoff

Located @ Address: 389 SW Deanna Terr.
Lake City FL

1 HP 15 GPM submersible pump, 1 1/2" drop pipe, 86 gallon captive tank, and backflow prevention.
With SRWMD permit.



Sincerely,
Bruce N. Park
President

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001868

DATE 01/13/2011 PARCEL ID # 07-4S-17-08111-110
APPLICANT MIKE TODD PHONE 386.755.4387
ADDRESS 129 NE COLBURN AVENUE LAKE CITY FL 32055
OWNER LARRY ELSHOFF PHONE 386.344.7105
ADDRESS 389 SW DEANNA TERRACE LAKE CITY FL 32025
CONTRACTOR MIKE TODD PHONE 386.755.4387
LOCATION OF PROPERTY 47-S TO MARVIN BURNETT, TURN W TO DEANNA TERRACE, TURN SOUTH AND
IT'S 1/4 MILE TO LOT ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HOLLY HILL 10

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



Heating and Air Conditioning Economic Analysis

For Future / Existing Home Of

Larry C. Elsoff

Lake City, Fl

Conducted By

Boozer Heating & A. C.

Lake City, Fl





Project Summary

Entire House

Boozer Heating & A. C.

Job:
Date: 12-16-10
By: AW

Lake City, FL

Project Information

For: Larry C. Elsoff
Lake City, FL

Notes: New Home

Design Information

Weather: Jacksonville, Cecil Field NAS, FL, US

Winter Design Conditions

Outside db	25 °F
Inside db	70 °F
Design TD	45 °F

Summer Design Conditions

Outside db	97 °F
Inside db	78 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	30 gr/lb

Heating Summary

Structure	27937 Btuh
Ducts	1397 cfm
Central vent (324 cfm)	15976 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	45310 Btuh

Sensible Cooling Equipment Load Sizing

Structure	21630 Btuh
Ducts	1082 Btuh
Central vent (324 cfm)	6745 Btuh
Blower	0 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	5557 Btuh
Ducts	860 Btuh
Central vent (324 cfm)	6605 Btuh
Equipment latent load	13022 Btuh

	Heating	Cooling
Area (ft²)	2725	2725
Volume (ft³)	21800	21800
Air changes/hour	0.40	0.21
Equiv. AVF (cfm)	145	76

Equipment total load	43068 Btuh
Req. total capacity at 0.70 SHR	3.6 ton

Heating Equipment Summary

Make	Ruud
Trade	
Model	
Efficiency	0 HSPF
Heating input	0 Btuh @ 47°F
Heating output	0 °F
Temperature rise	986 cfm
Actual air flow	0.034 cfm/Btuh
Air flow factor	0.00 in H2O
Static pressure	
Space thermostat	

Cooling Equipment Summary

Make	Ruud
Trade	
Cond	
Coil	
Efficiency	0 EER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	986 cfm
Air flow factor	0.043 cfm/Btuh
Static pressure	0.00 in H2O
Load sensible heat ratio	0.69

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.





Right-J Worksheet Entire House Boozier Heating & A. C.

Job:
Date: 12-16-10
By: AW

Lake City, FL

1	Room name					Entire House					BR 1				
2	Exposed wall					259.0 ft					41.0 ft				
3	Ceiling height					8.0 ft					8.0 ft				
4	Room dimensions					2725.0 ft²					24.0 x 13.0 ft				
5	Room area					2725.0 ft²					312.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0bw	0.091	n	4.09	1.46	400	377	1544	549	32	32	131	47	
11	G	1E-c2fb	0.630	n	28.35	20.27	8	0	227	162	0	0	0	0	
	G	1E-c2fb	0.630	n	28.35	20.27	15	0	425	304	0	0	0	0	
	W	12C-0bw	0.091	e	4.09	1.46	528	513	2101	747	0	0	0	0	
	G	1E-c2fb	0.630	e	28.35	60.57	15	1	425	871	0	0	0	0	
	W	12C-0bw	0.091	s	4.09	1.46	424	404	1655	589	104	89	364	130	
	G	1E-c2fb	0.630	s	28.35	26.54	5	5	136	107	0	0	0	0	
	G	1E-c2fb	0.630	s	28.35	26.54	15	15	425	334	15	15	425	334	
	W	12C-0bw	0.091	w	4.09	1.46	720	700	2866	1019	192	192	786	280	
	G	1E-c2fb	0.630	w	28.35	60.57	20	1	567	1161	0	0	0	0	
	C	16B-30ad	0.032	-	1.44	1.73	2082	2082	2998	3598	312	312	449	539	
	F	22A-tpb	1.358	-	61.11	0.00	1989	121	7394	0	312	41	2506	0	

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Right-J Worksheet **Entire House** **Boozer Heating & A. C.**

Job:
 Date: 12-16-10
 By: AW

Lake City, FL

1	Room name					BR2 12.0 ft				Bath 1 7.0 ft				
2	Exposed wall					8.0 ft heat/cool				8.0 ft heat/cool				
3	Ceiling height					12.0 x 12.0 ft				12.0 x 7.0 ft				
4	Room dimensions					144.0 ft²				84.0 ft²				
5	Room area													
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0bw	0.091	n	4.09	1.46	0	0	0	0	0	0	0	0
11	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0
	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0
	W	12C-0bw	0.091	e	4.09	1.46	0	0	0	0	0	0	0	0
	G	1E-c2fb	0.630	e	28.35	60.57	0	0	0	0	0	0	0	0
	W	12C-0bw	0.091	s	4.09	1.46	96	96	393	140	56	51	210	75
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	5	5	136	107
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0
	W	12C-0bw	0.091	w	4.09	1.46	0	0	0	0	0	0	0	0
	G	1E-c2fb	0.630	w	28.35	60.57	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.44	1.73	0	0	0	0	84	84	121	145
	F	22A-1ph	1.358	-	61.11	0.00	144	12	733	0	84	7	428	0

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Right-J Worksheet **Entire House** **Boozer Heating & A. C.**

Job:
Date: 12-16-10
By: AW

Lake City, FI

1	Room name					Bath 26					Lin				
2	Exposed wall					0.0 ft					0.0 ft				
3	Ceiling height					8.0 ft					8.0 ft				
4	Room dimensions					1.0 x 39.0 ft					3.0 x 2.0 ft				
5	Room area					39.0 ft²					6.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0bw	0.091	n	4.09	1.46	0	0	0	0	0	0	0	0	
.	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0	
.	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0	
11	W	12C-0bw	0.091	e	4.09	1.46	0	0	0	0	0	0	0	0	
.	G	1E-c2fb	0.630	e	28.35	60.57	0	0	0	0	0	0	0	0	
.	W	12C-0bw	0.091	s	4.09	1.46	0	0	0	0	0	0	0	0	
.	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
.	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
.	W	12C-0bw	0.091	w	4.09	1.46	0	0	0	0	0	0	0	0	
.	G	1E-c2fb	0.630	w	28.35	60.57	0	0	0	0	0	0	0	0	
.	C	16B-30ad	0.032	-	1.44	1.73	0	0	0	0	0	0	0	0	
.	F	22A-tpb	1.358	-	61.11	0.00	39	0	0	0	6	0	0	0	
6	c) AED excursion									-8				0	
	Envelope loss/gain								0	-8			0	0	
12	a) Infiltration								0	0			0	0	
	b) Room ventilation								0	0			0	0	
13	Internal gains:		Occupants @	230	1					230	0			0	
	Less external load		Appliances @	1200	0					0	0			0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								0	222			0	0	
15	Duct loads				5%	5%			0	11	5%	5%	0	0	
	Total room load								0	233			0	0	
	Air required (cfm)								0	10			0	0	

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Right-J Worksheet **Entire House** **Boozier Heating & A. C.**

Job:
 Date: 12-16-10
 By: AW

Lake City, FI

1	Room name					WR 0.0 ft					Bonus Room 138.0 ft				
2	Exposed wall					8.0 ft 6.0 x 9.0 ft heat/cool					8.0 ft 1.0 x 736.0 ft heat/cool				
3	Ceiling height														
4	Room dimensions														
5	Room area					54.0 ft²					736.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0bw	0.091	n	4.09	1.46	0	0	0	0	168	168	688	245	
11	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	e	4.09	1.46	0	0	0	0	384	384	1572	559	
	G	1E-c2fb	0.630	e	28.35	60.57	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	s	4.09	1.46	0	0	0	0	168	168	688	245	
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	w	4.09	1.46	0	0	0	0	384	384	1572	559	
	G	1E-c2fb	0.630	w	28.35	60.57	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.44	1.73	0	0	0	0	736	736	1060	1272	
	F	22A-tpb	1.358	-	61.11	0.00	54	0	0	0	0	0	0	0	

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Right-J Worksheet **Entire House** **Boozer Heating & A. C.**

Job:
 Date: 12-16-10
 By: AW

Lake City, FL

1	Room name					Kit 0.0 ft					BR3 30.0 ft				
2	Exposed wall					8.0 ft 24.0 x 18.0 ft					8.0 ft 18.0 x 12.0 ft				
3	Ceiling height					heat/cool					heat/cool				
4	Room dimensions														
5	Room area					432.0 ft²					216.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0bw	0.091	n	4.09	1.46	0	0	0	0	96	81	332	118	
11	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	15	0	425	304	
	W	12C-0bw	0.091	e	4.09	1.46	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	e	28.35	60.57	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	s	4.09	1.46	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	w	4.09	1.46	0	0	0	0	144	124	508	181	
	G	1E-c2fb	0.630	w	28.35	60.57	0	0	0	0	20	1	567	1161	
	C	16B-30ad	0.032	-	1.44	1.73	168	168	242	290	216	216	311	373	
	F	22A-tpb	1.358	-	61.11	0.00	432	0	0	0	216	30	1833	0	
6	c) AED excursion								-156				526		
	Envelope loss/gain							242	135			3976	2663		
12	a) Infiltration							0	0			831	184		
	b) Room ventilation							0	0			0	0		
13	Internal gains: Occupants @ 230					2			460	2			460		
	Appliances @ 1200					3			3600	0			0		
	Less external load							0	0			0	0		
	Less transfer							0	0			0	0		
	Redistribution							0	0			0	0		
14	Subtotal							242	4195			4807	3307		
15	Duct loads					5%	5%	12	210	5%	5%	240	165		
	Total room load							254	4404			5047	3473		
	Air required (cfm)							9	191			170	151		

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Right-J Worksheet **Entire House** **Boozer Heating & A. C.**

Job:
Date: 12-16-10
By: AW

Lake City, FL

1	Room name					Room3					Bath 3				
2	Exposed wall					0.0 ft					0.0 ft				
3	Ceiling height					8.0 ft					8.0 ft				
4	Room dimensions					9.0 x 7.0 ft					9.0 x 8.0 ft				
5	Room area					63.0 ft²					72.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0bw	0.091	n	4.09	1.46	0	0	0	0	0	0	0	0	
11	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	e	4.09	1.46	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	e	28.35	60.57	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	s	4.09	1.46	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	w	4.09	1.46	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	w	28.35	60.57	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.44	1.73	63	63	91	109	72	72	104	124	
	F	22A-tpb	1.358	-	61.11	0.00	63	0	0	0	72	0	0	0	

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Right-J Worksheet **Entire House** **Boozier Heating & A. C.**

Job:
 Date: 12-16-10
 By: AW

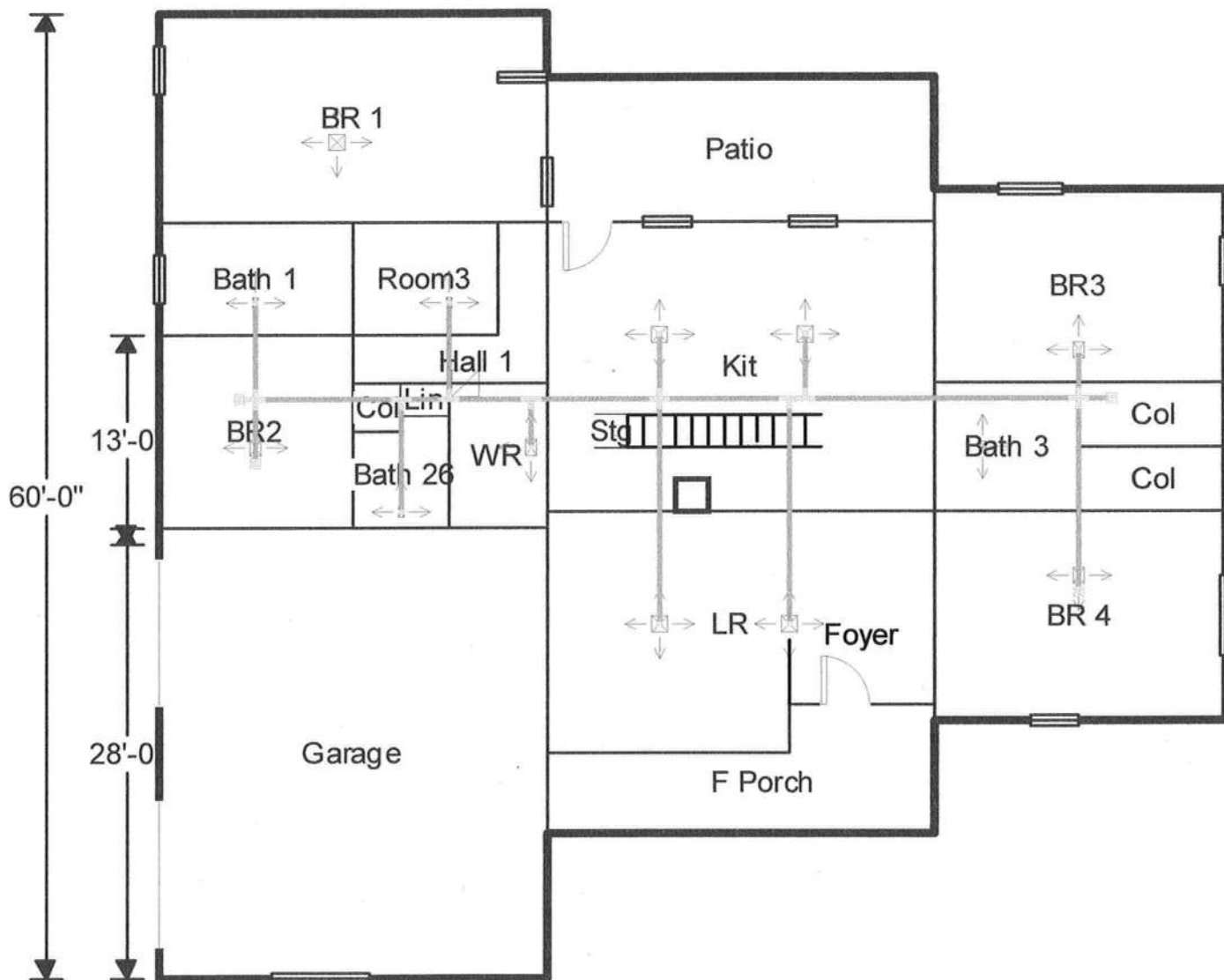
Lake City, FL

1	Room name					BR 4					LR				
2	Exposed wall					31.0 ft					0.0 ft				
3	Ceiling height					8.0 ft					8.0 ft				
4	Room dimensions					18.0 x 13.0 ft					1.0 x 333.0 ft				
5	Room area					234.0 ft²					333.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0bw	0.091	n	4.09	1.46	104	96	393	140	0	0	0	0	
11	G	1E-c2fb	0.630	n	28.35	20.27	8	0	227	162	0	0	0	0	
	G	1E-c2fb	0.630	n	28.35	20.27	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	e	4.09	1.46	144	129	528	188	0	0	0	0	
	G	1E-c2fb	0.630	e	28.35	60.57	15	1	425	871	0	0	0	0	
	W	12C-0bw	0.091	s	4.09	1.46	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	s	28.35	26.54	0	0	0	0	0	0	0	0	
	W	12C-0bw	0.091	w	4.09	1.46	0	0	0	0	0	0	0	0	
	G	1E-c2fb	0.630	w	28.35	60.57	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.44	1.73	234	234	337	404	197	197	284	340	
	F	22A-tph	1.358	-	61.11	0.00	234	31	1894	0	333	0	0	0	

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1 St. floor

66'-0"



Job #:
Performed by AW

Larry C. Elsoff
Lake City, FL

for:

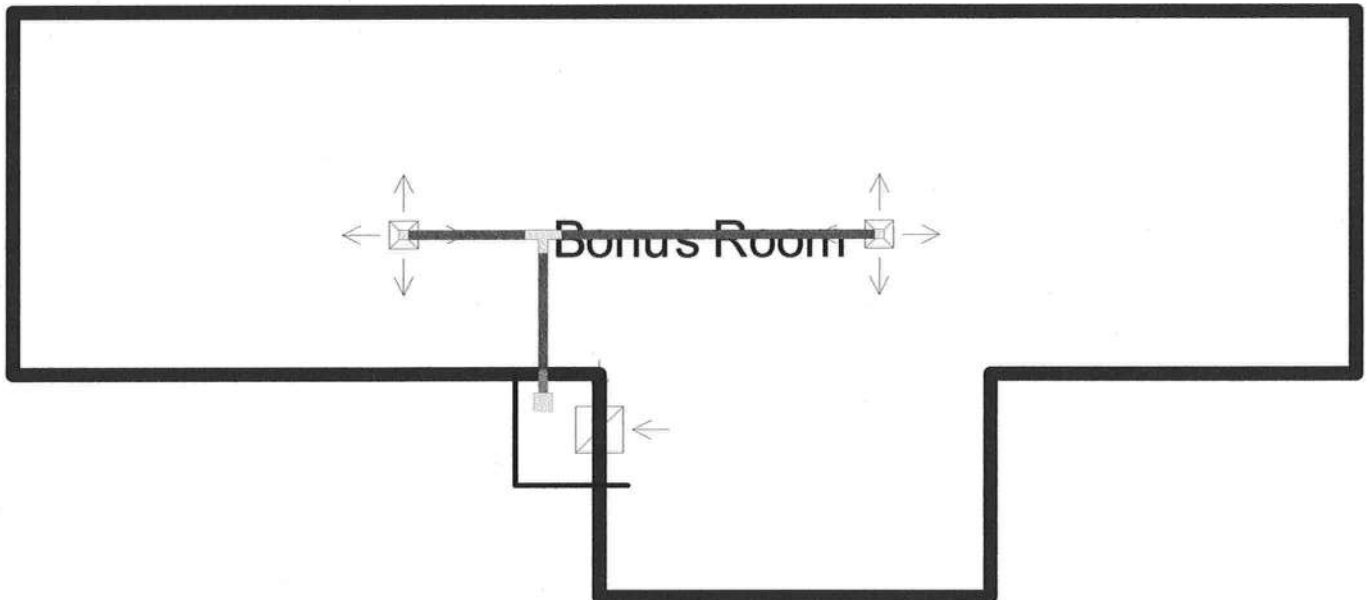
Boozar Heating & A. C.

Lake City, FL

Scale: 1 : 127

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Right-Suite Residential
5.9.51 RSR26315
2010-Dec-17 17:34:12
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Bonus Rm



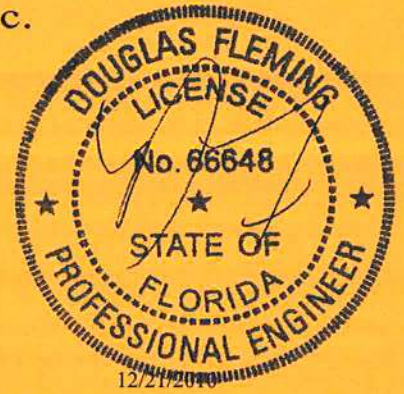
Job #:
Performed by AW **for:**
Larry C. Elsoff
Lake City, Fl

Boozer Heating & A. C.
Lake City, Fl

Scale: 1 : 83
Page 1
Right-Suite Residential
5.9.51 RSR263 15
2010-Dec-17 17:35:35
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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
Page 1 of 1 Document ID:1U7X487-Z0121110938



Truss Fabricator: Anderson Truss Company
Job Identification: 10-239--Fill in later MIKE TODD/ELSHOFF -- , **
Truss Count: 32
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Com/TPI-2002(STD)
Engineering Software: Alpine Software, Version 9.05.
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 7-05 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

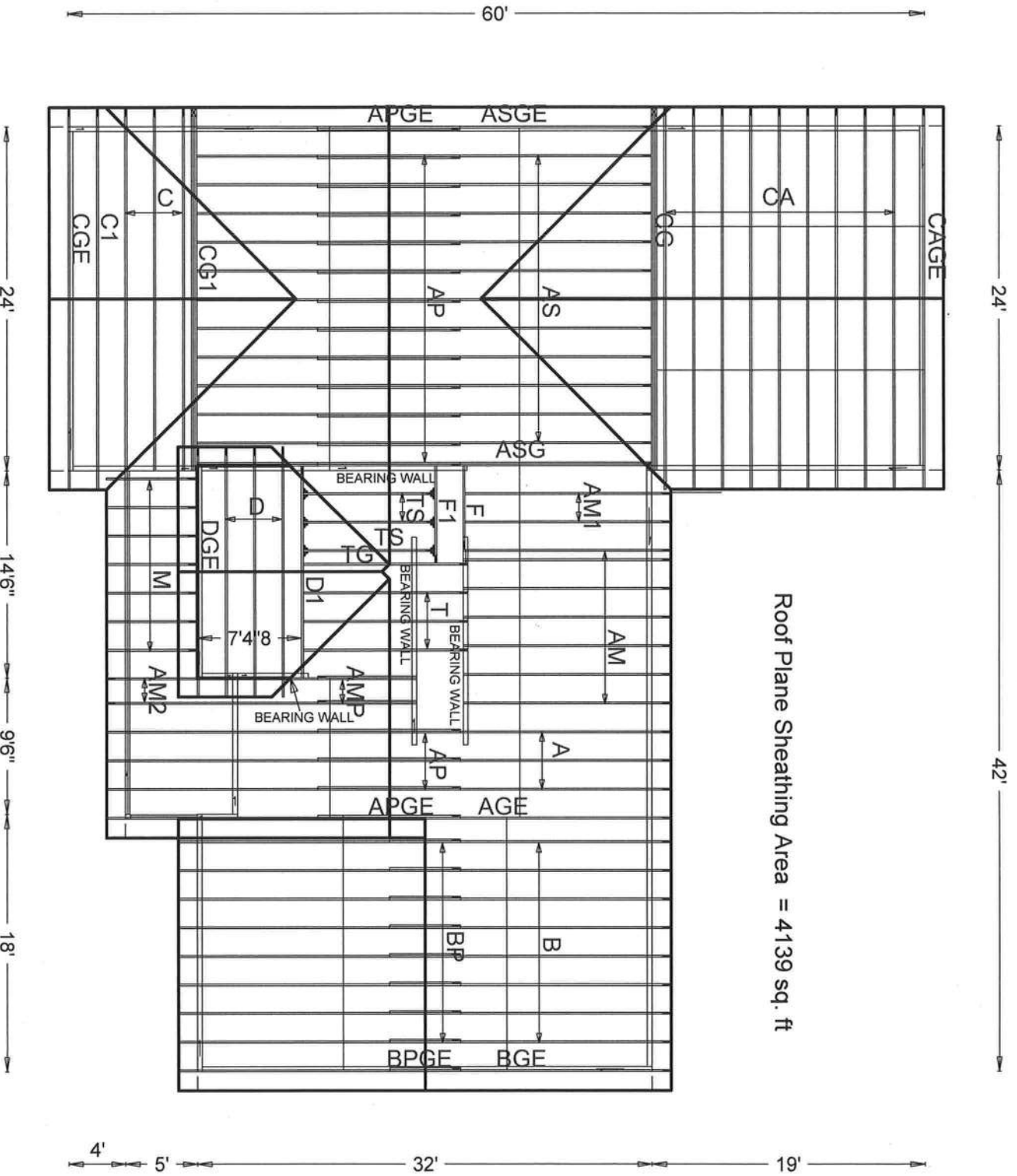
Douglas M. Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: A1101505-GBLLETIN-BRCLBSUB-CNNAILSP-A1103005-PB120-

#	Ref	Description	Drawing#	Date
1	81857--A		10355006	12/21/10
2	81858--AGE		10355022	12/21/10
3	81859--AM		10355007	12/21/10
4	81860--AM2		10355008	12/21/10
5	81861--AM1		10355009	12/21/10
6	81862--AS		10355010	12/21/10
7	81863--ASGE		10355011	12/21/10
8	81864--ASG		10355028	12/21/10
9	81865--B		10355012	12/21/10
10	81866--BGE		10355025	12/21/10
11	81867--CA		10355013	12/21/10
12	81868--C1		10355001	12/21/10
13	81869--C		10355002	12/21/10
14	81870--CGE		10355026	12/21/10
15	81871--CAGE		10355027	12/21/10
16	81872--CG		10355031	12/21/10
17	81873--CG1		10355029	12/21/10
18	81874--D		10355003	12/21/10
19	81875--DGE		10355005	12/21/10
20	81876--D1		10355032	12/21/10
21	81877--F1		10355024	12/21/10
22	81878--F		10355023	12/21/10
23	81879--M		10355004	12/21/10
24	81880--BP		10355014	12/21/10
25	81881--BPGE		10355015	12/21/10
26	81882--AP		10355016	12/21/10
27	81883--APGE		10355017	12/21/10
28	81884--AMP		10355018	12/21/10
29	81885--T		10355019	12/21/10
30	81886--TS		10355020	12/21/10
31	81887--TS		10355021	12/21/10
32	81888--TG		10355030	12/21/10





Roof Plane Sheathing Area = 4139 sq. ft

MIKE TODD/ ELSHOFF

JOB DESCRIPTION:: Fill in later
/: MIKE TODD/ELSHOFF

JOB NO:
10-239

PAGE NO:
1 OF 1

Top chord 2x4 SP #2 Dense : T3 2x8 SP SS:
 Bot chord 2x6 SP #2 : B2 2x8 SP SS: :B3 2x6 SP SS:
 Webs 2x4 SP #3
 Stack Chord SC1 2x4 SP #2 Dense:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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 GCp1(+/-)=0.18

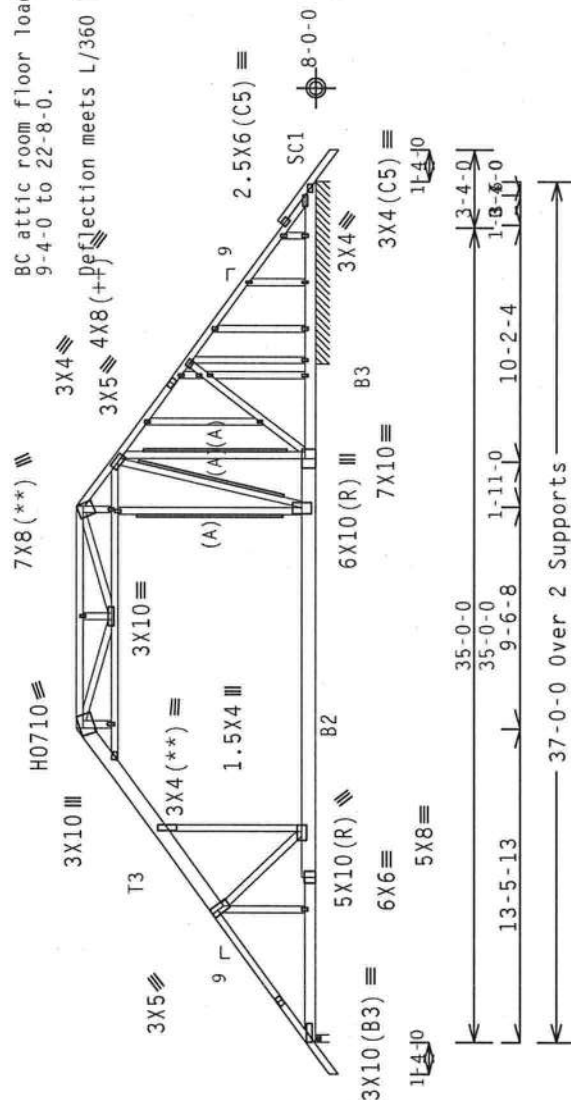
Calculated horizontal deflection is 0.15" due to live load and 0.19" due to dead load.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

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

Bottom chord checked for 10.00 psf non-concurrent live load.



R-2542 U-97 W-4"
RL-230/-232

Note: All Plates Are 1.5X3 Except As Shown.

Design

PLT TYP. 20 Gauge HS. Wave

FL/-/4/-/-/R/-/-

Scale = .125"/Ft.

OFF 9487-- 81858

DATE	10/03/10
BY	171

DATE 12/21/10

ORW HCUSR487 10355022

HC-ENG JB/DF

FEON- 160096

000607 NH30

REF- 1U7X487_Z01

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Top chord	2x4	SP #2	Dense
Bot chord	2x8	SP SS	:B2 2x6 SP SS:
Web	2x4	SP #3	

Negative reaction(s) of -300# MAX. (See below) from a non-wind load case requires uplift connection.

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

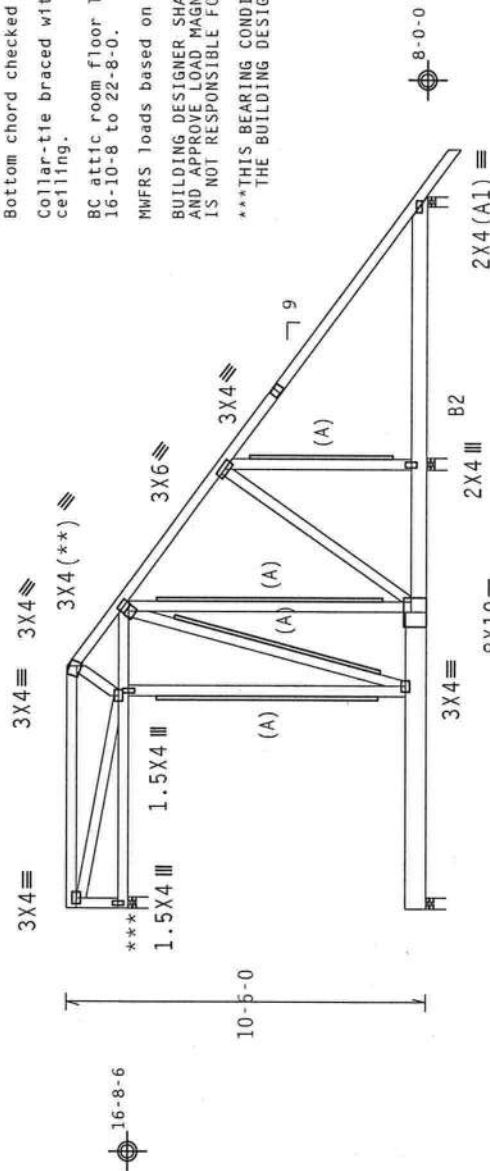
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, Iw=1.00 GC(1+/-)-0.18

wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



R=539 U=0 W=4"
RL=112/-171

0-8-0 → 12-7-0 → 11-11-8 → 1-4-0
 8-5-8
 20-5-0 Over 4 Supports
 3-476 U-58 W-4" R-2141 U-79 W-4"

R-476 U-58 W-4"

R=2141 U=79 W=4"

R=2141 U=79 W=4"

ULT TYP. Wave

Design Crit: FBC2007Com/TPI-2002(
FT/RT=10%(0%)/0(0)%)

QTY:2 FL/-/4/-/-/R/-/

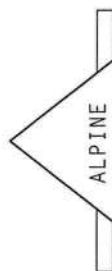
Scale = 1875"/Ft.

TC LL	20.0	PSF	REF R487--	81860
TC DL	10.0	PSF	DATE	12/21/10
BC DL	10.0	PSF	DRW	HCUSR487 10355008
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN-	169431
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1U7X487_Z01

12/21/2010

SPACING 24.0"

JREF- 1U7X487 Z01



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, INSTALLATION AND ERECTION. THE FOLLOWING INFORMATION IS BEING FURNISHED BY THE MANUFACTURER FOR YOUR REFERENCE TO RCSC (BUILDING COMPONENTS SPECIFICATION), PUBLISHED BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 6300 NORTH LEACH STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND AISC (WOOD TRUSS COUNCIL OF AMERICA, 1800 EASTERN ENTERPRISE LANE, MADISON, WI. 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, CONSULT WITH AN ENGINEER OR ARCHITECT. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IF BCG, CONTRACTOR NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASCE/A) AND TPI. CONNECTION PLATES ARE MADE OF 20/18/16GA (W-1/25/PTA) ASTM A653 GRADE 40/60 (IN K/H-SS) GALV. STUD BOLTS ARE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. A SEALANT SHALL BE USED AT ALL JOINTS. IF A SEALANT IS USED, IT SHALL BE PER ANNEX A OF TPI-2002 SEC. 3.

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.

12/21/17

Top chord 2x4 SP #2 Dense :T2 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

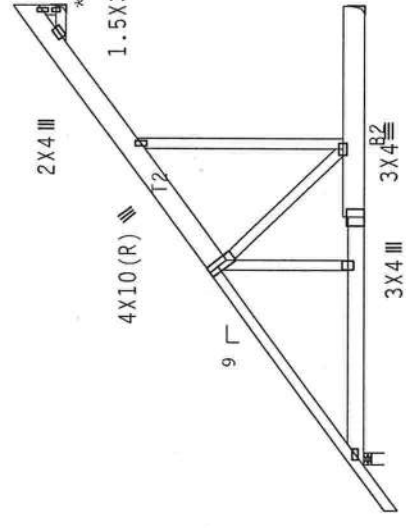
Bottom chord checked for 10.00 psf non-concurrent live load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 9-4-0 to 12-11-12.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

1.5X4 III

3X4 III



2X4(A1) III

6X6 III

13-0-4

13-1-12

13-1-12 Over 3 Supports

R-821 U-0 W-4"

RL-166/-109

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. lw=1.00 GCpl(+/-)-0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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

***THIS BEARING CONDITION MUST BE APPROVED AND PROVIDE BY THE BUILDING DESIGNER.

R-519 U-35 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d, 0.148"x1.5" nails in Girder
Supporting Member is (1)

10-4-15

8-0-0

R-770 U-9 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d, 0.148"x1.5" nails in Girder
Supporting Member is (1)2x4 Rigid Surface

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S) 100%
FT/RT-10%(0%) /O(0)

Scale = .1875" /Ft.

TC LL	20.0 PSF	REF R487-- 81861
TC DL	10.0 PSF	DATE 12/21/10
BC DL	10.0 PSF	DRW HCUSR487 10355009
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 169426
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U7X487_Z01

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/21/2010

ALPINE
Haines City, FL 33844
FL COA #0 278

RTW Building Components Group Inc.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA), 6 UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, BCG/RTW, TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (IN/H/SS/A) ASTM A653 GRADE 40/60 (IN. K/H/SS) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. THE BCG/RTW, TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH THE DESIGN SHALL BE THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(10-239--Fill in later MIKE TODD/ELSHOFF -- , ** - AS)

Top chord 2x4 SP #2 Dense #12 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS: B3 2x6 SP SS:
Webs 2x4 SP #3 :W10 2x4 SP #2 Dense:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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 GCpf(+/-)=0.18

Calculated horizontal deflection is 0.18" due to live load and 0.21" due
to dead load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 9-4-0
to 22-8-0.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

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

(++) - This plate works for both joints covered.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot
details for special positioning requirements.

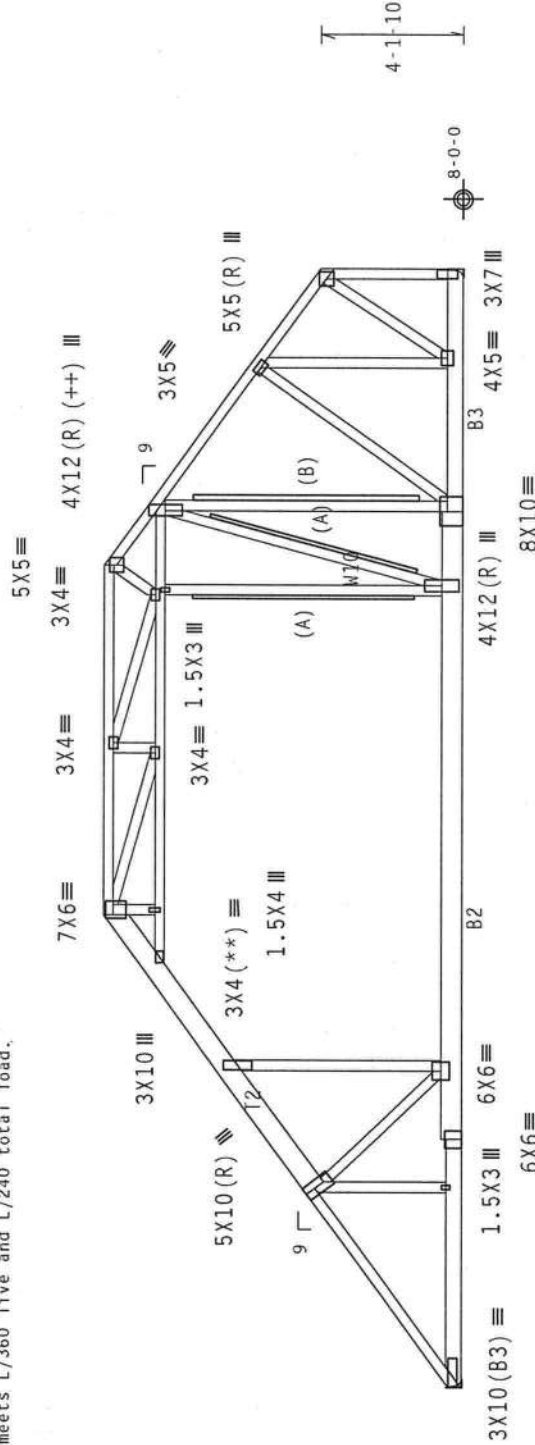
Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

(A) 1x4 #3SR8 SPF-S or better "J" brace, 80% length of web member.
Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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



R-2341 U-0
RL-208/-182 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (20) 10d Common, 0.148"x3.0" nails in Girder
Supporting Member is (3)2x6 SP #2
PLT Typ. Wave

R-2349 U-0 H-Simpson HUS28
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (22) 10d Common, 0.148"x3.0" nails in Girder
Supporting Member is (3)2x8 SP #2

Scale = .1875" / Ft.
TY: 11 FL/-4/-/-R/-

R-2341 U-0		TC LL	20.0 PSF	REF	R487--	81862
RL-208/-182 H-Simpson HUS26		TC DL	10.0 PSF	DATE	12/21/10	
w/ (6) 10d Common, 0.148"x3.0" nails in Truss		BC DL	10.0 PSF	DRW	HUSR487	10355010
w/ (20) 10d Common, 0.148"x3.0" nails in Girder		BC LL	0.0 PSF	HC-ENG	JB/DF	
Supporting Member is (3)2x6 SP #2		TOT.LD.	40.0 PSF	SEON-	168931	
PLT Typ. Wave		DUR.FAC.	1.25			
		SPACING	24.0"	JREF-	1U7X487_Z01	

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/21/2010

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MTCA (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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE TRUSS IS TO BE INSTALLED IN ACCORDANCE WITH THE TPI (TRUSS PLATE INSTITUTE) DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (IN/H/SS/3) ASTM A653 GRADE 40/60 (IN. K/H/SS) GALV. STEEL. UNLESS OTHERWISE INDICATED PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL OR DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY 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.

(10-239--Fill) in later MIKE TODD/ELSHOFF -- . ** - ASGE)

Top chord 2x4 SP #2 Dense :T2 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS: :B3 2x6 SP SS:
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:

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

See DWGS A11015050109 & GBLETTIN0109 for more requirements.

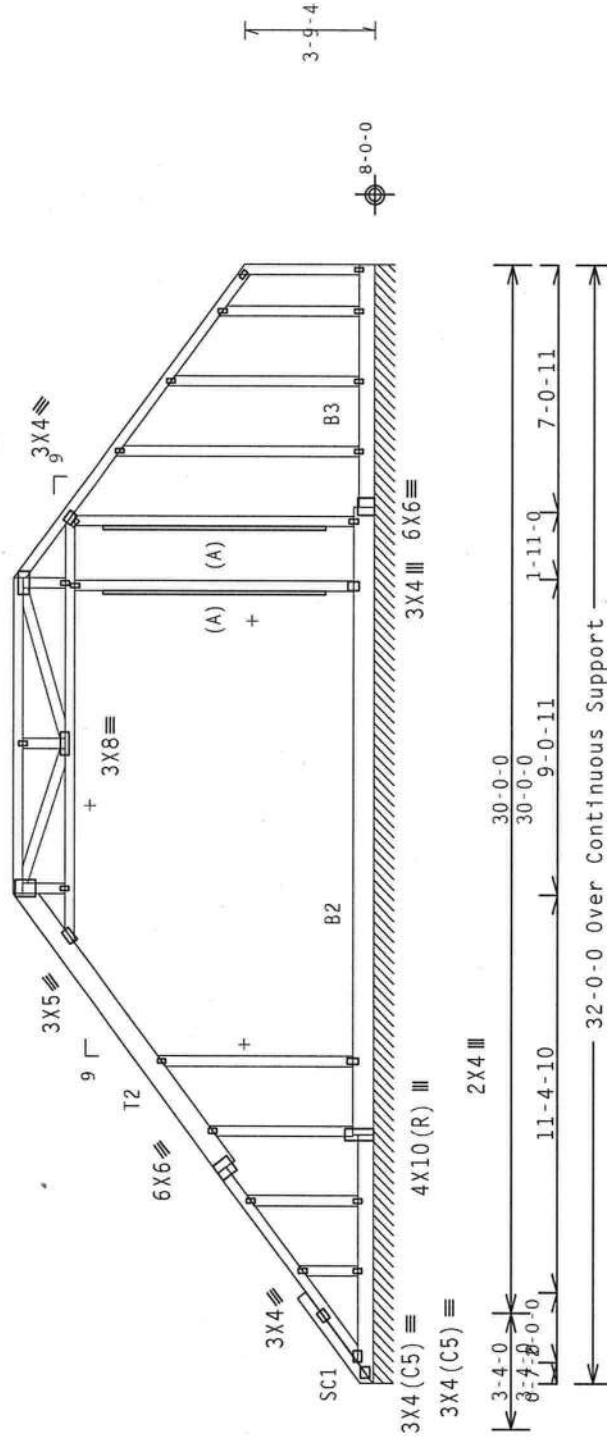
Stacked top chord must NOT be notched or cut in area (NWL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice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

Bottom chord checked for 10.00 psf non-concurrent live load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 9-4-0 to 22-8-0.

+ MEMBER TO BE Laterally Braced FOR OUT OF PLANE WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

7X6 = 4X8 = 1.5X3 (**)



R=146 PLF U=4 PLF W=32-0-0
RL=5/-4 PLF

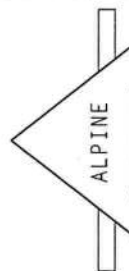
Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Com/TPI-2002 (S.D.)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

TY: 1 FL/-4/-1-/R/-

Scale = .1875" / Ft.

 Haines City, FL 33844 FL COA #0278	Douglas Fleming LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER		TC LL	20.0 PSF	REF	R487--	81863
			TC DL	10.0 PSF	DATE	12/21/10	
			BC DL	10.0 PSF	DRW	HCUSR487	10355011
			BC LL	0.0 PSF	HC-ENG	JB/DF	
			TOT.LD.	40.0 PSF	SEQN-	169038	
		DUR.FAC.	1.25				
		SPACING	24.0"				JREF- 1U7X487_Z01

12/21/2010

(10-239--Fill in later MIKE TODD/ELSHOFF --, ** - ASG)

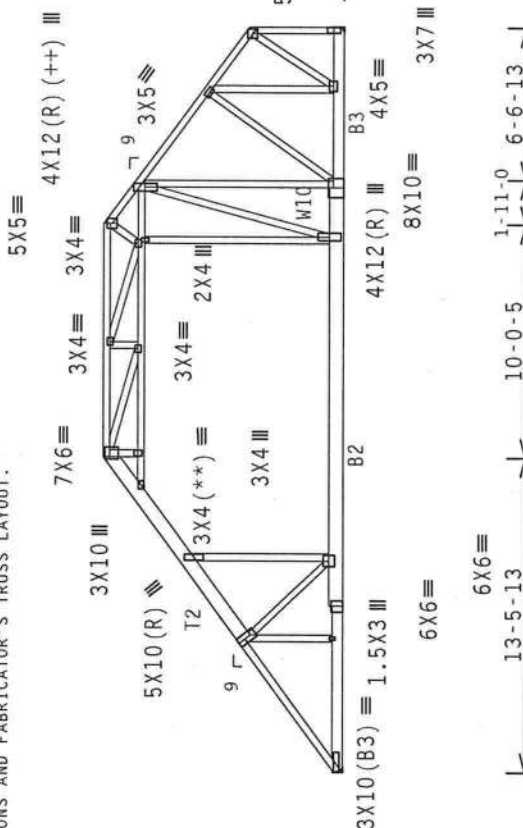
Top chord 2x4 SP #2 Dense :T2 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS: :B3 2x6 SP SS:
Webs 2x4 SP #3 :W10 2x4 SP #2 Dense:

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 65 pif at 0.00 to 65 pif at 5.49
TC- From 65 pif at 5.49 to 65 pif at 9.33
TC- From 90 pif at 9.33 to 90 pif at 13.49
TC- From 90 pif at 13.49 to 90 pif at 23.51
TC- From 65 pif at 23.51 to 65 pif at 25.04
TC- From 65 pif at 25.04 to 65 pif at 32.00
BC- From 20 pif at 0.00 to 20 pif at 9.33
BC- From 20 pif at 9.33 to 20 pif at 22.67
BC- From 20 pif at 22.67 to 20 pif at 32.00
PLT- 642.60 lb Conc. Load at (13.18,16.95)
PLT- 677.60 lb Conc. Load at (15.32,16.95)
BC- 120.52 lb Conc. Load at 9.33
BC- 896.80 lb Conc. Load at 13.20
BC- 161.87 lb Conc. Load at 22.67

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

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.



2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3.5" 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.
(++) - This plate works for both joints covered.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean ht, ASCE 7-05, 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. lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

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

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

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

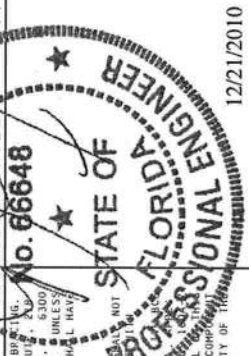
Deflection meets L/360 live and L/240 total load.

R=3303 U-131 H-Simpson HHUS28-2
w/ (4) 16"x3.5" nails in Truss
w/ (8) 16"x3.5" nails in Girder
Supporting Member is (3)2x6 SP #2 Design Crit: FBC2007Com/TPI-2002(10%)/0(0) FT/RT=10%(0%)/0(0)

R=3604 U-131
RL=208/-182 H-Simpson HGUS26-2
w/ (8) 16d Common, 0.162"x3.5" nails in Truss
w/ (20) 16d Common, 0.162"x3.5" nails in Girder
Supporting Member is (3)2x6 SP #2 Design Crit: FBC2007Com/TPI-2002(10%)/0(0) FT/RT=10%(0%)/0(0)

PLT TYP. Wave Scale = .125"/Ft.

R=3303 U-131 H-Simpson HHUS28-2		TC LL	20.0 PSF	REF	R487-- 81864
w/ (4) 16"x3.5" nails in Truss		TC DL	10.0 PSF	DATE	12/21/10
w/ (8) 16"x3.5" nails in Girder		BC DL	10.0 PSF	DRW	HCUR487 10355028
Supporting Member is (3)2x6 SP #2		BC LL	0.0 PSF	HC-ENG	JB/DF
FT/RT=10%(0%)/0(0)		TOT.LD.	40.0 PSF	SEQN-	169411
PLT TYP. Wave		DUR.FAC.	1.25		
		SPACING	24.0"	JREF-	1U7X487_Z01



ALPINE
Haines City, FL 33844
FL COA #0278

(10-239--Fill in later MIKE TODD/ELSHOFF --, ** - B)

Top chord 2x4 SP #2 Dense :T2, T5 2x6 SP SS:

Bot chord 2x6 SP #1 Dense :B2 2x8 SP SS:

Webbs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.10" due to live load and 0.15" due to dead load.

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf 5X5 non-concurrent live load.

3X4

2.5X8

5X5

4X5

3X4

T2

1.5X3

1.5X3

4X10 (R)

H0610

4X6 (A1)

1L4-10

13-5-13

5-0-5

1-9-3

11-8-11

32-0-0 Over 2 Supports

R-2344 U=115 W=4"

RL=285/-285

R-2420 U=115

FT/RT=10% (0%)/0 (0)

Design Crit: FBC2007Com/TPI-2002 (S.D)

TY:8

Scale = .125"/Ft.

REF R487-- 81865

DATE 12/21/10

DRW HCUSR487 10355012

HC-ENG JB/DF

SEQN- 168863

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1U7X487_Z01

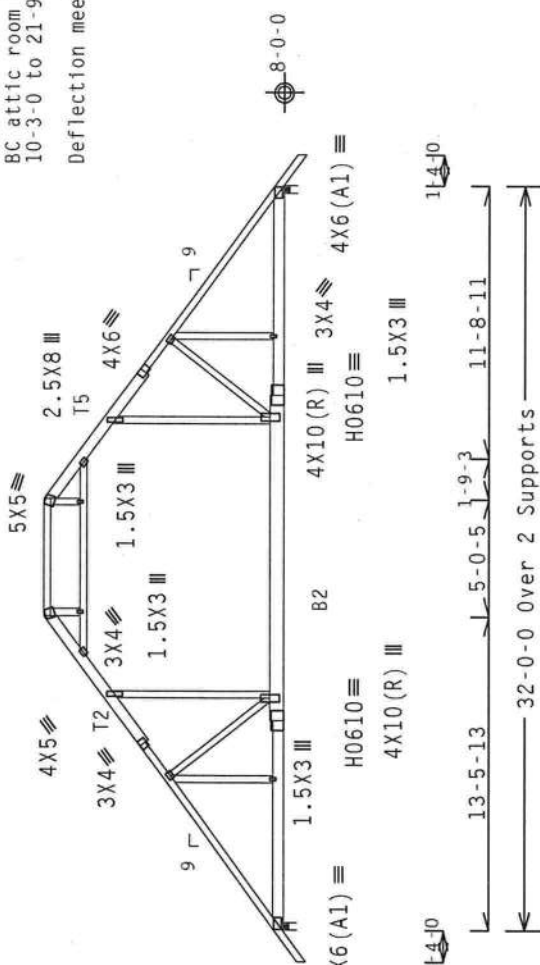
Special loads

TC- From	Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)	65 pif at -1.33 to 65 pif at 0.00
TC- From	65 pif at 0.00 to 65 pif at 7.89	65 pif at 7.89 to 65 pif at 10.25
TC- From	65 pif at 7.89 to 65 pif at 10.25	65 pif at 10.25 to 90 pif at 13.49
TC- From	90 pif at 10.25 to 90 pif at 13.49	90 pif at 13.49 to 90 pif at 18.51
TC- From	90 pif at 13.49 to 90 pif at 18.51	90 pif at 18.51 to 90 pif at 19.89
TC- From	90 pif at 18.51 to 90 pif at 19.89	90 pif at 19.89 to 90 pif at 24.11
TC- From	90 pif at 19.89 to 90 pif at 24.11	90 pif at 24.11 to 90 pif at 26.46
TC- From	90 pif at 24.11 to 90 pif at 26.46	90 pif at 26.46 to 65 pif at 32.00
TC- From	65 pif at 26.46 to 65 pif at 32.00	65 pif at 32.00 to 65 pif at 33.33
BC- From	65 pif at 32.00 to 65 pif at 33.33	5 pif at 0.00 to 20 pif at 10.25
BC- From	5 pif at 0.00 to 20 pif at 10.25	20 pif at 10.25 to 120 pif at 21.80
BC- From	20 pif at 10.25 to 120 pif at 21.80	60 pif at 21.80 to 60 pif at 23.97
BC- From	60 pif at 21.80 to 60 pif at 23.97	60 pif at 23.97 to 20 pif at 32.00
BC- From	20 pif at 23.97 to 20 pif at 32.00	5 pif at 32.00 to 5 pif at 33.33
BC- 137.92 lb Conc. Load at 10.25		
BC- 71.39 lb Conc. Load at 21.80		

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 10-3-0 to 21-9-10.

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



R-2420 U=115

FT/RT=10% (0%)/0 (0)

Design Crit: FBC2007Com/TPI-2002 (S.D)

TY:8

Scale = .125"/Ft.

REF R487-- 81865

DATE 12/21/10

DRW HCUSR487 10355012

HC-ENG JB/DF

SEQN- 168863

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1U7X487_Z01



ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

30t chord 2x6 SP #1 Dense :B2, 2x8 SP SS:
30t chord 2x4 SP #2 Dense :12, 2x6 SP SS:

	:Stack	Chord	SC1	2x4	SP #2 Dense::Stack	Chord	SC2	2x4	SP #2 Dense:
--	--------	-------	-----	-----	--------------------	-------	-----	-----	--------------

Roof overhang supports 2.00 psf soffit load.

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

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

3C attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 10-3-0 to 21-9-10.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

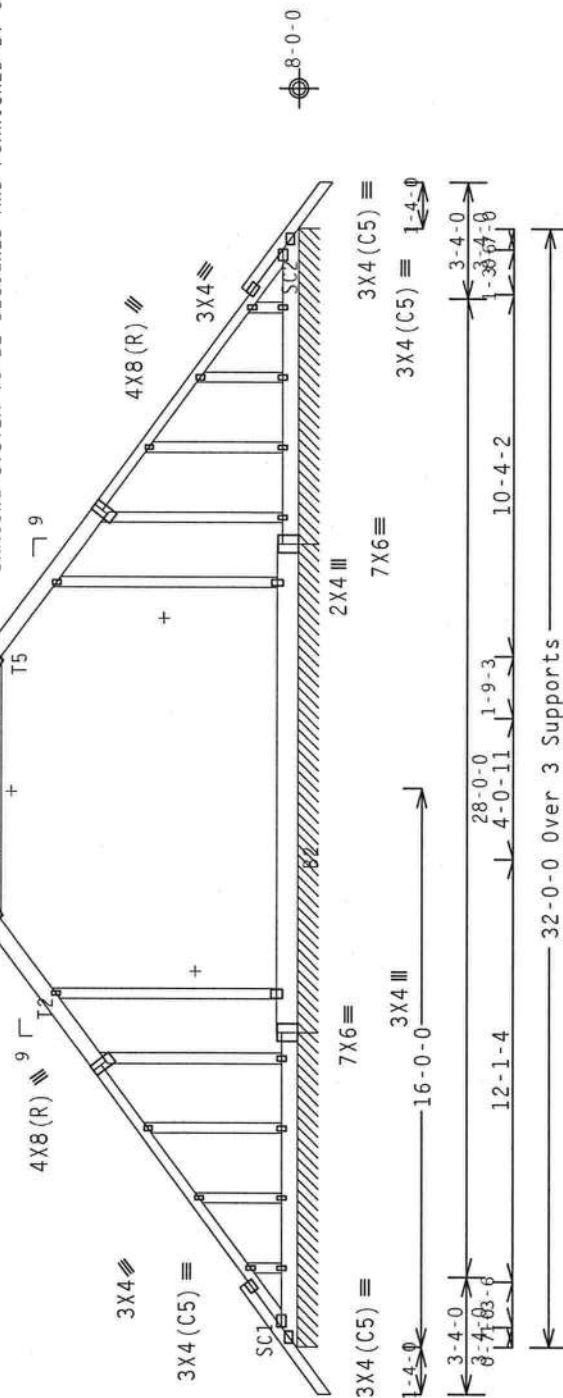
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

+ MEMBER TO BE Laterally Braced for Out of Plane Wind Loads. Bracing System to be Designed and Furnished by Others.



R=147/-40 PLF U=14 PLF W=9-0-0
RL=26/-26 PLF R=24

Note: All Plates Are 1.5X3 Except As Shown.

Design (continued)

PLT TYP. Wave

TY:1 FL/-/4/-/-/R/-/

Scale = .1875" / Ft.



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING THROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO UCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, CRUISS PLATE, 240 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), ENTERPRISE LANE, MADISON, MI 48219, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

Haines City, FL 33844

LITY AND USE
PI 1 SEC. 2.

12/21/2010

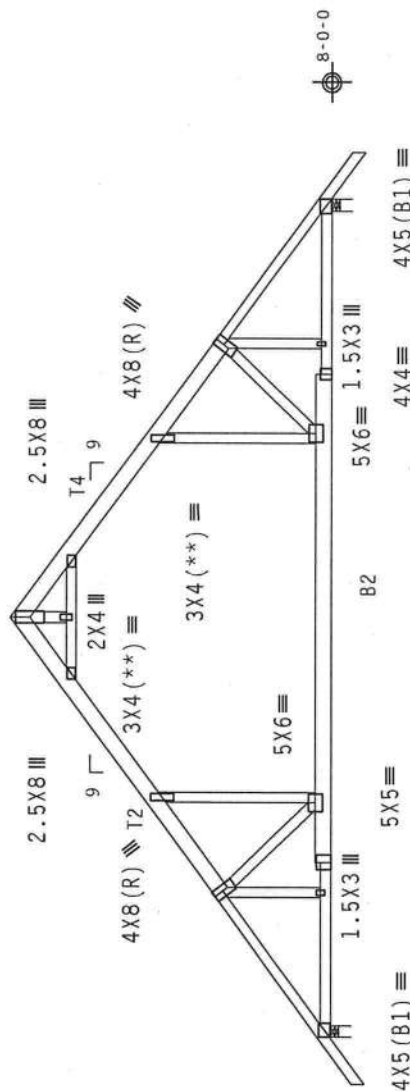
110	24	00
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11137407 701

11137407 701

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

Reflection meets L/360 11ve and L/240 total load.



R-1856 U-84 W-4"
RL-255/-255

Design Crit: FBC2007Com/TPI-2002 (S...
FT/RT=10%(0%) / 0(0)

OTY·q EI/-/Δ/-/-/R/-/-

TC	LL	20.0 P
----	----	--------

TC DL	10.0 P
-------	--------

BC DL	10.0 P
-------	--------

BC LL	0.0 P
-------	-------

TOT.LD.	40.0 P
---------	--------

DUR.FAC.	1.25
----------	------

SPACING	24.0"
---------	-------

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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 GCpl(+/-)-0.18

Roof overhang supports 2.00 psf soffit load.

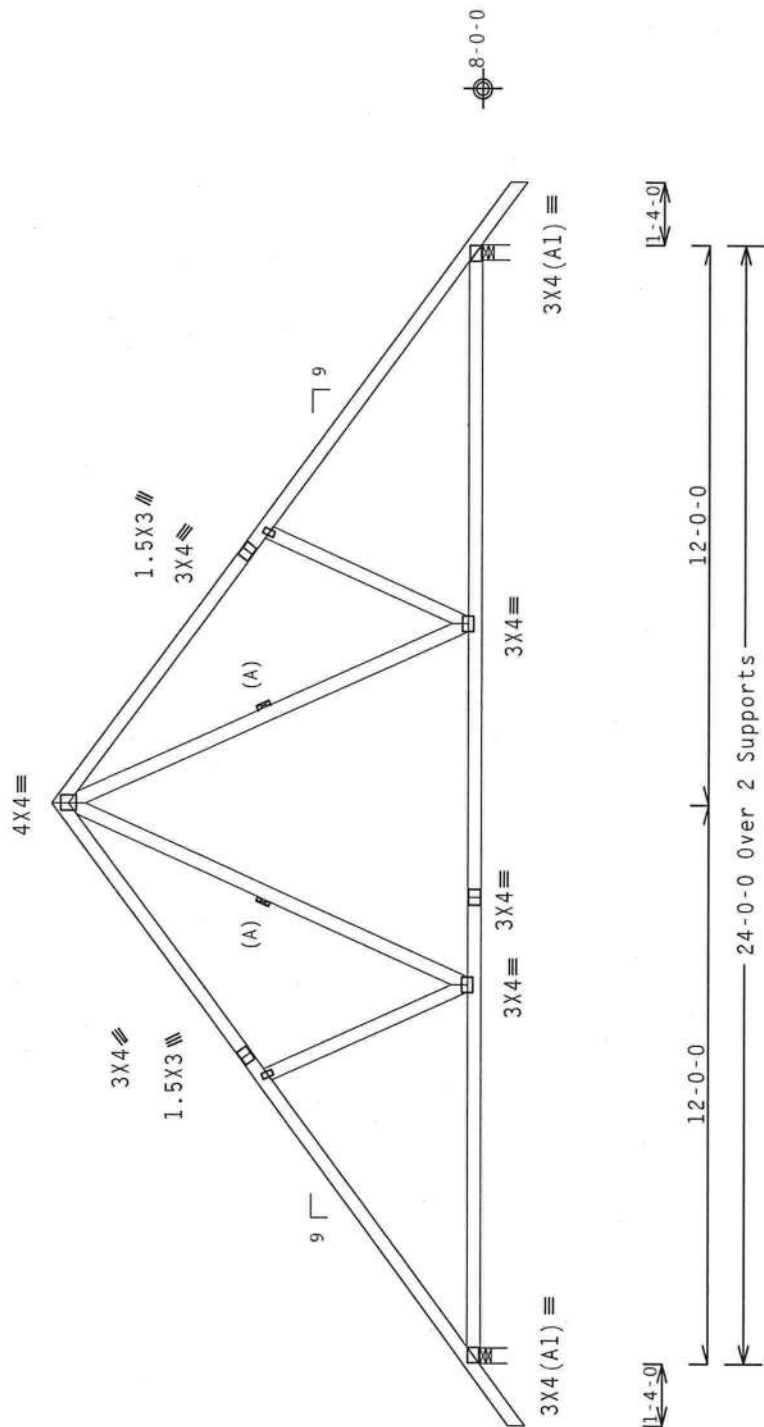
Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R-1199 U-85 W-4"
RL-256/-256

R-1192 U-85 W-4"

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S)
FT/RT=10% (0%)/0 (0)

Scale = .25"/Ft.

ALPINE

RTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/21/2010

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

REF R487-- 81868
DATE 12/21/10
DRW HCUSR487 10355001
HC-ENG JB/DF
SEQN- 169420
JREF- 1U7X487_Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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

Roof overhang supports 2.00 psf soffit load.

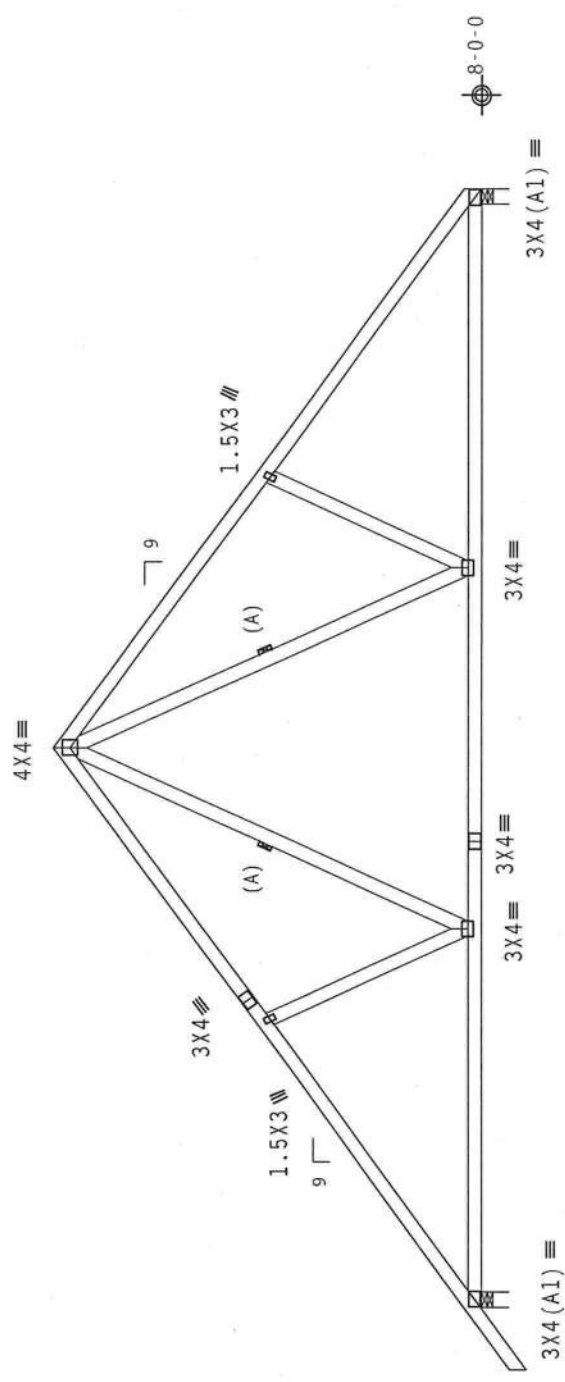
Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



U-4-0

12-0-0

12-0-0

24-0-0 Over 2 Supports

R-1202 U-86 W-4"
RL-227/-240

R-1103 U-70 W-4"

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S.D)
FT/RT=10% (0%)/0 (0)

FL/-4/-/-R/-
QTY:3

Scale = .25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DOUGLAS FLEMING
LICENSE
No. 06648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/21/2010

TC LL	20.0 PSF	REF	R487-- 81869
TC DL	10.0 PSF	DATE	12/21/10
BC DL	10.0 PSF	DRW	HCUSR487 10355002
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	169423
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1U7X487_Z01

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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

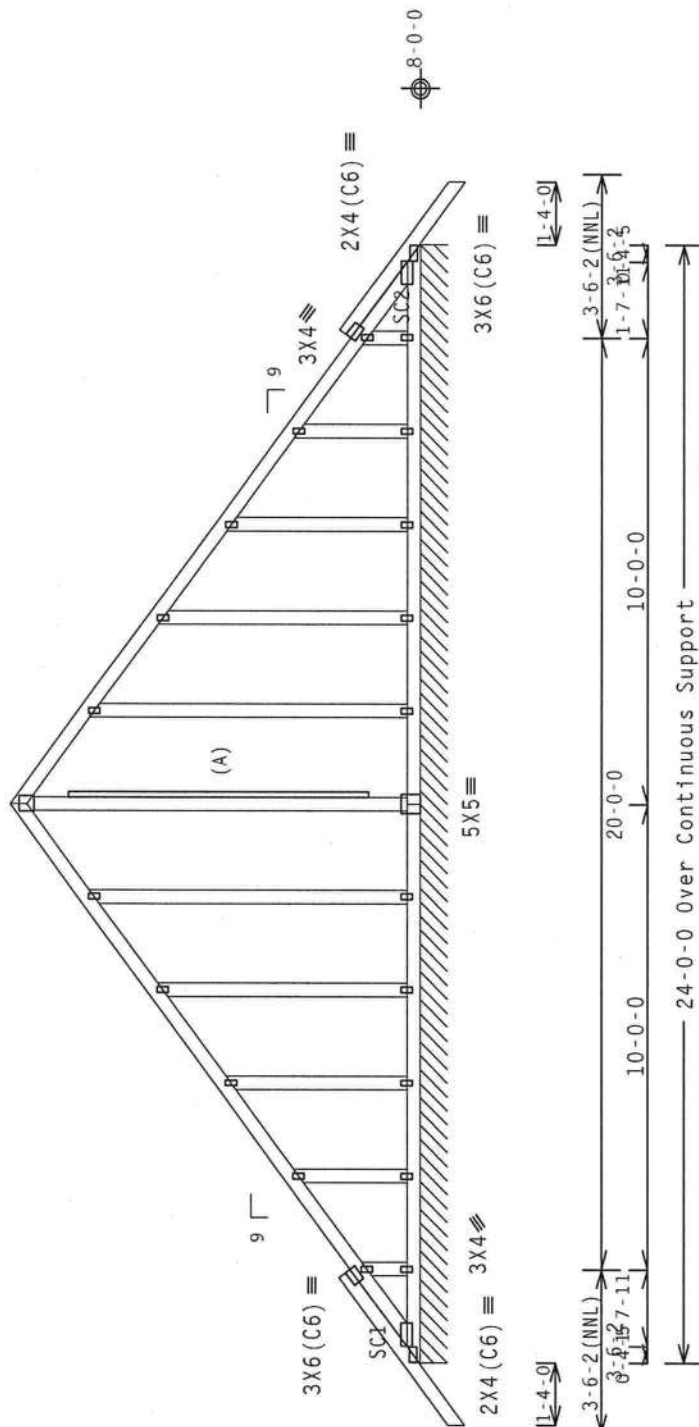
Wind reactions based on MWFRS pressures.

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

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

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

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



R-114 PLF U=6 PLF W=24-0-0
RL-8/-8 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Com/TPI-2002(S

PLT TYP. Wave
Design CRIT. : FUEL/OUT COM/INT LOSS
FT/RT=10%(0%) 0(0) 0(0)
QTY: 1 FL/-4/-/-R/-
Scale =.25"/Ft.

[illegible]

(10-239--Fill) in later MIKE TODD/ELSHOFF -- , ** - CAGE)

Top chord 2x4 SP #2 Dense :T2, T4 2x6 SP SS:
Bot chord 2x4 SP #2 Dense :B2 2x6 SP #1 Dense:
Webs 2x4 SP #3

:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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 MMFRS pressures.

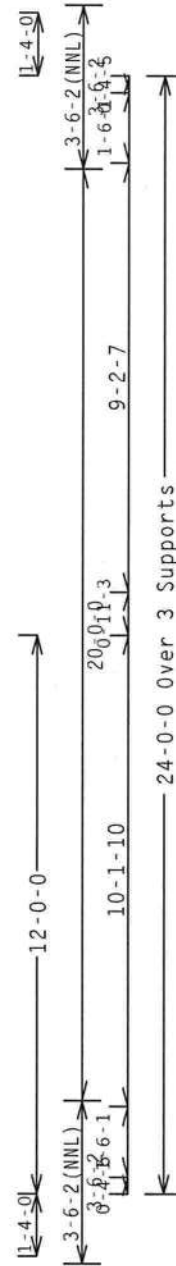
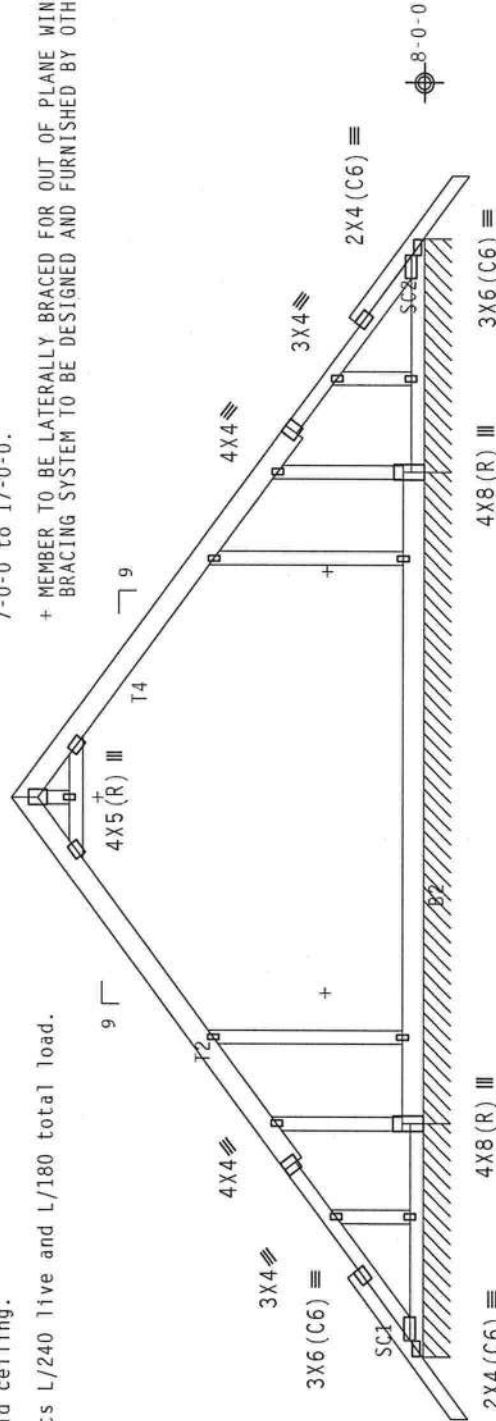
Truss spaced at 24.0" OC designed to support 0-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-0-0 to 17-0-0.

+ MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.



R-168 PLF U-14 PLF W-5-0-0
RL-40/-40 PLF R-191 PLF U-4 PLF W-14-0-0

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Com/TPI-2002 (S)

PLT TYP. Wave FT/RT=10% (0%) / 0 (0) QTY:1 FL/-4/-/-/R/- Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/21/2010

TC LL	20.0 PSF	REF	R487--	81871
TC DL	10.0 PSF	DATE	12/21/10	
BC DL	10.0 PSF	DRW	HCUSR487	10355027
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.	40.0 PSF	SEQN-	169225	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	107X487_Z01	

(10-239--Fill in later MIKE TODD/ELSHOFF -- , ** - CG)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W5 2x4 SP #2 Dense:
:Lt Wedge 2x6 SP #2::Rt Wedge 2x6 SP #2:

Special loads

----- (Lumber
TC- From Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
65 plf at -1.33 to 65 plf at 12.00
TC- From 65 plf at 12.00 to 65 plf at 24.00
BC- From 5 plf at -1.33 to 5 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 2.06
BC- From 10 plf at 2.06 to 10 plf at 24.00
BC- 2340.96 lb Conc. Load at 2.06, 4.06, 6.06, 8.06
10.06, 12.06, 14.06, 16.06, 18.06, 20.06, 22.06
BC- 3603.87 lb Conc. Load at 23.54

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. 1w=1.00 6Cp1(+/-)-0.18

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

3 COMPLETE TRUSSES REQUIRED

Na11 Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 2.50" o.c. (Each Row)

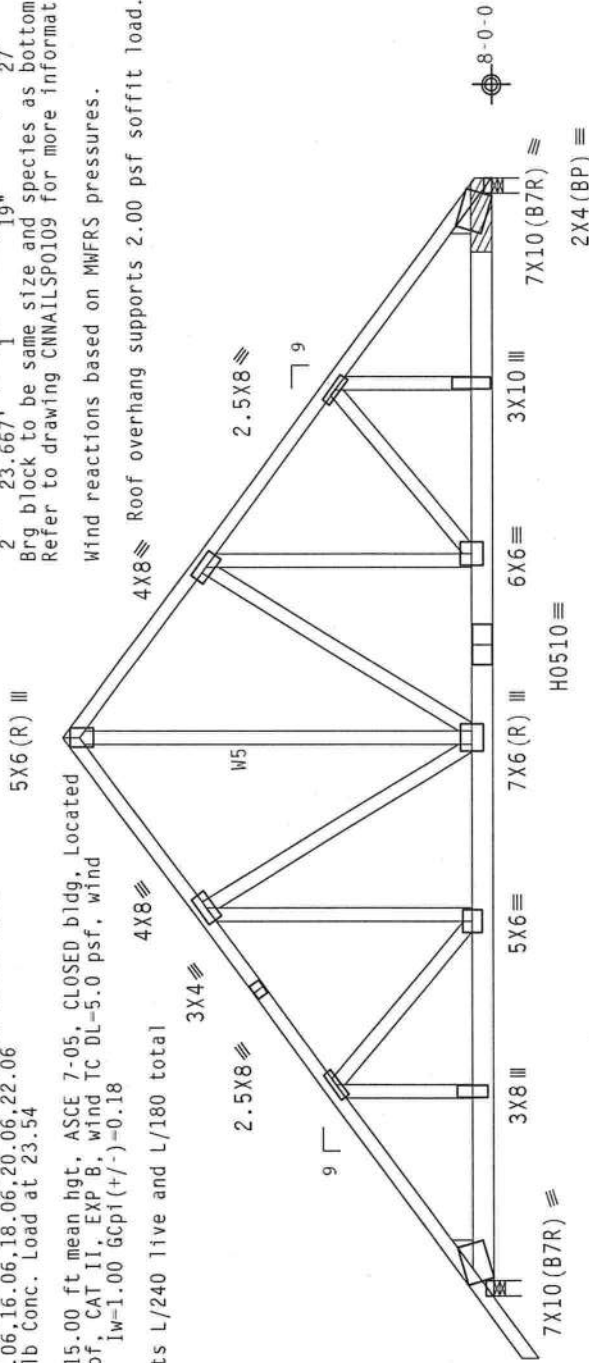
Webs : 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing
between rows and stagger nails in each row to avoid splitting.
4" o.c. spacing of nails perpendicular and parallel to
grain required in area over bearings greater than 4"

Brg blocks: 0.131"x3" nails
brg x-loc #blocks length/blk #nails/blk wall plate
2 23.667' 1 19" 27 Rigid Surface
Brg block to be same size and species as bottom chord.
Refer to drawing CNA11SP0109 for more information.

Wind reactions based on MWFRS pressures.

4X8 Roof overhang supports 2.00 psf soffit load.



2X4 (BP) =

L=4'-0"

12'-0"

12'-0"

12'-0"

24'-0" Over 2 Supports

R=13873 U=15 W=4"

R=17396 U=123 W=4"

PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Com/TPI-2002 (S.D.)
FT/RT=10% (0%)/0 (0)

TY:1 FL/- /4/- /- /R/-

Scale =.25"/Ft.

REF R487-- 81872	TC LL 20.0 PSF
DATE 12/21/10	TC DL 10.0 PSF
DRW HCUSR487 10355031	BC DL 10.0 PSF
HC-ENG JB/DF	BC LL 0.0 PSF
SEQN- 169414	TOT.LD. 40.0 PSF
DUR.FAC. 1.25	
SPACING 24.0"	

12/21/2010

DOUGLAS FLEMING
LICENSE
No. 66848
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

11W Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

3 COMPLETE TRUSSES REQUIRED

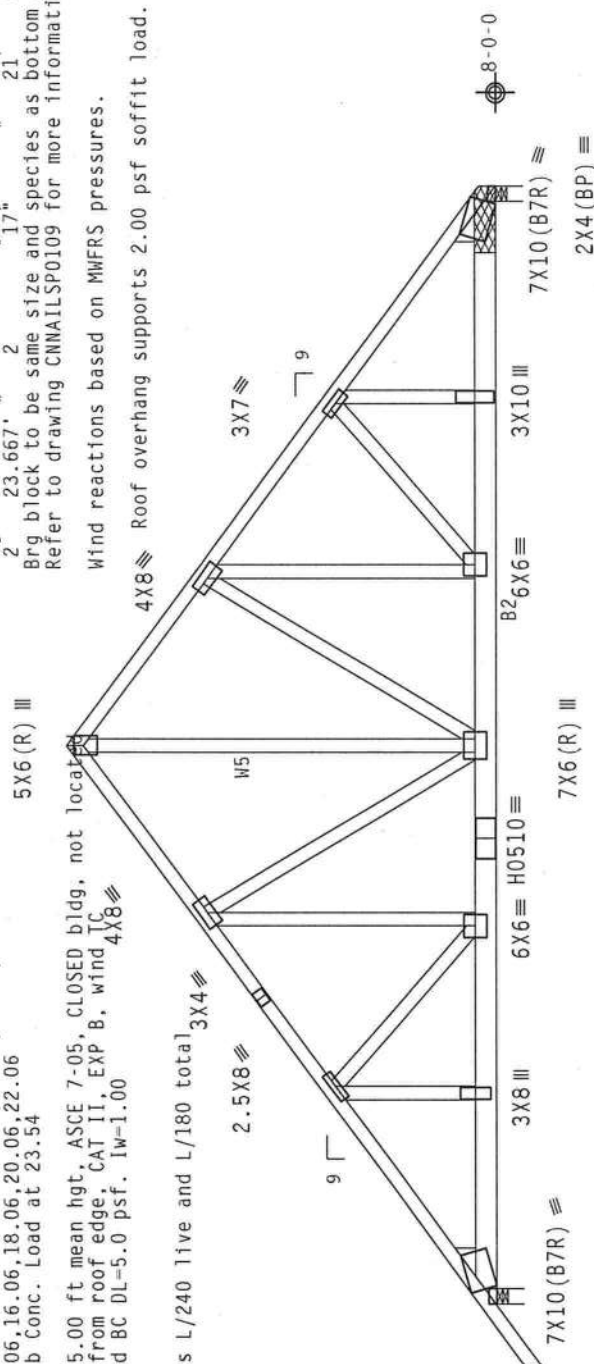
Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 2.50" o.c.
Webs: 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid spitting. 4" o.c. spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"

Brg blocks: 0.131"x3" nails
 Brg x-loc #blocks length/bk #nails/bk wall plate
 2 23.66' 2 1" 21 Rigid Surface

Brg block to be same size and species as bottom chord.
 Refer to drawing CNNAILSP0109 for more information.

Roof overhang supports 2.00 psf soffit load.



1-4-01

The diagram shows a horizontal line with two points marked by vertical arrows pointing downwards. The distance from the left end to the first point is labeled "12-0-0". The distance between the two points is labeled "24-0-0 Over 2 Supports".

R=13913 U=0 W=4"

R=17147 U=52 W=4"

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2007Com/TPI-2002 (SD)

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R487 - - 81873
TC DL	10.0	PSF	DATE 12/21/10
BC DL	10.0	PSF	DRW HCUSR487 10355029
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 169417
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1U7X487_Z01

BRADING NO. 66648

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, ERECTION, AND BRACING. REFER TO BCST TRUSS FABRICATION COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2100 WILSON LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304. TRUSS CONDUCTORS OF AMERICA, 13300 WILSON LEE STREET, SUITE 300, ALEXANDRIA, VA, 22304, CAN BE REFERRED TO FOR MORE INFORMATION. TRUSS CONDUCTORS OF AMERICA MEMBERS INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHANGING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

(10-239--Fill in later MIKE TODD/ELSHOFF -- , ** - D)

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

110 mph wind, 19.36 ft mean hgt, ASCE 7-05, CLOSED bldg. Located
anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0
psf. $I_w=1.00$ $G_{cp1}(+/-)=0.18$

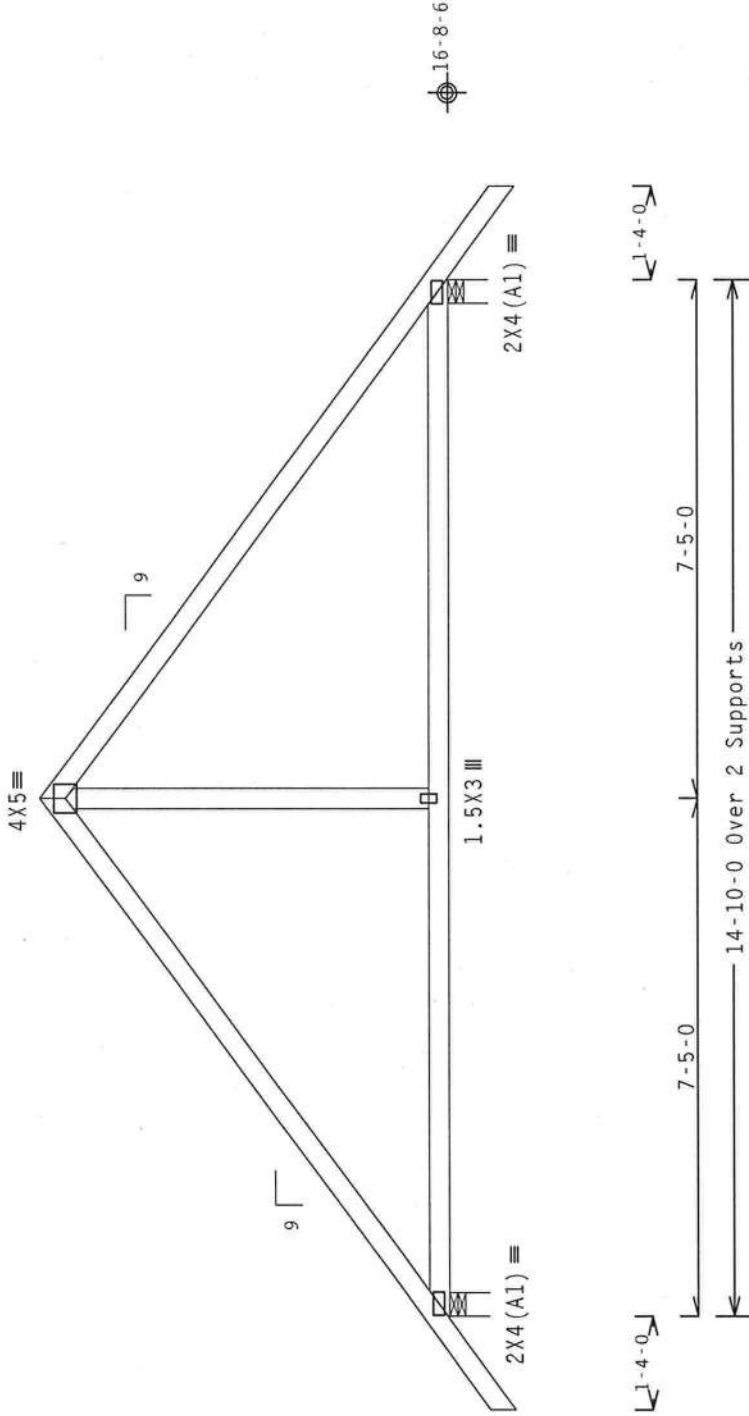
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas
with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R-810 U-103 W-4"
RL-183/-183

R-811 U-103 W-4"

Design Crit: FBC2007Com/TPI-2002 (S) FT/RT=10%(0%)/0(0) QTY: 3 FL/-4/-/-R/- Scale = .375"/Ft.

PLT TYP. Wave	R-811 U-103 W-4"		TC LL	20.0 PSF	REF	R487-- 81874
	R-810 U-103 W-4"		TC DL	10.0 PSF	DATE	12/21/10
	RL-183/-183		BC DL	10.0 PSF	DRW	HCUSR487 10355003
			BC LL	0.0 PSF	HC-ENG	JB/DF
			TOT.LD.	40.0 PSF	SEQN-	169169
		12/21/2010		DUR.FAC.	1.25	JREF - 1U7X487_Z01
				SPACING	24.0"	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATFORM INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314-4 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 250 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IT IS BECOMING THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE TRUSS IN COMPLIANCE WITH THE DESIGN SPECIFICATIONS OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND BRACING OF THE TRUSS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND BRACING OF THE TRUSS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND BRACING OF THE TRUSS.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.1. A SECOND INSPECTION OF THE TRUSS SHALL BE REQUIRED IF THE TRUSS IS TO BE USED FOR A SECONDARY PURPOSE. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND BRACING OF THE TRUSS.

DESIGN SHOWN IS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense	
	Wbs	2x4	SP	#3		
	Stack	Chord	SC1	2x4	SP	#2 Dense::Stack
	Chord	SC2	2x4	SP	#2 Dense::	

Roof overhang supports 2.00 psf soffit load.

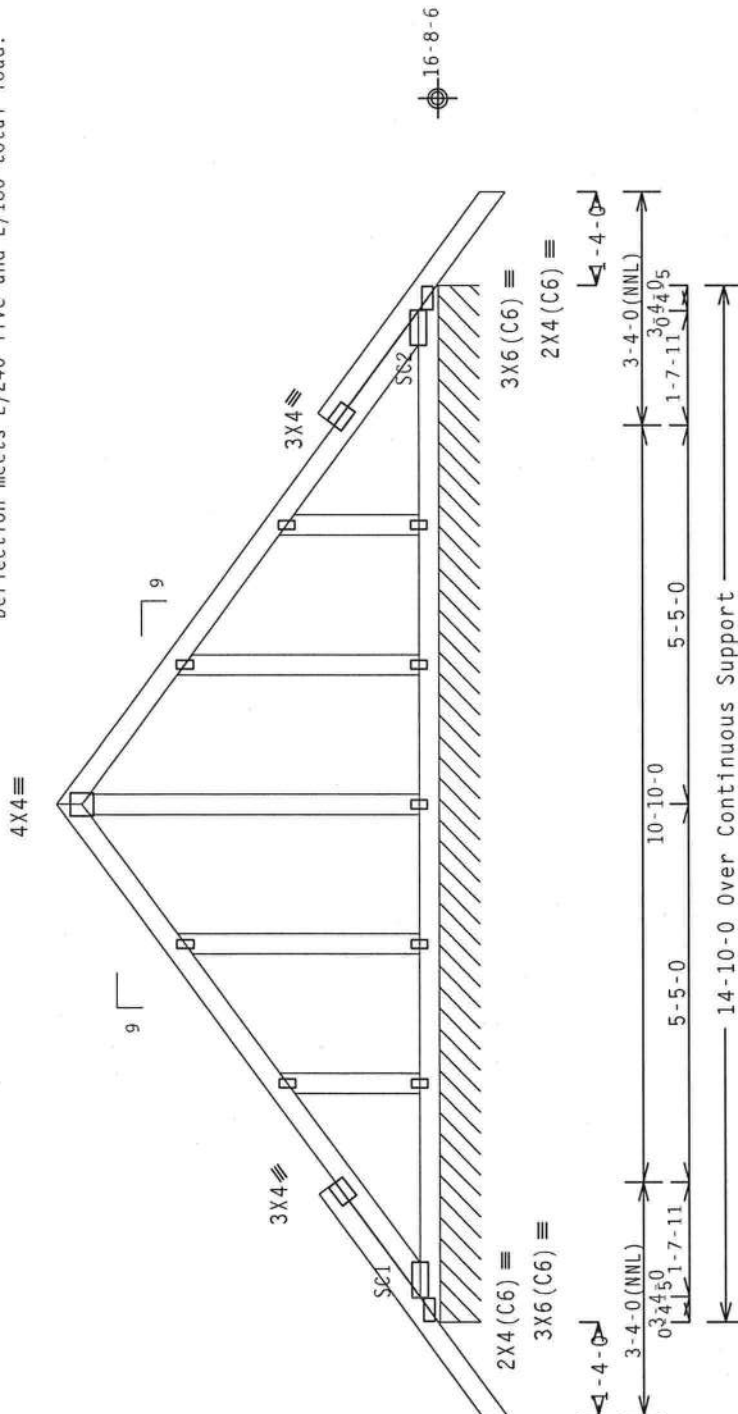
See DWGS A11030050109 & GBLLETIN0109 for more requirements.

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

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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



RR=101 PLF U=14 PLF W=14-10-0
RL=10/-9 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Com/TPI-2002(

PLT TYP. Wave

FL/-/4/-/-/R/-/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487- - 81875
TC DL	10.0 PSF	DATE 12/21/10
BC DL	10.0 PSF	DRW HCUR487 10355005
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN- 169183
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U7X487_Z01



ALPINE

ITW Building Components Group Inc.

Haines City FL 33844

FL COA #0 278

(10-239--Fill in later MIKE TODD/ELSHOFF --, ** - D1)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

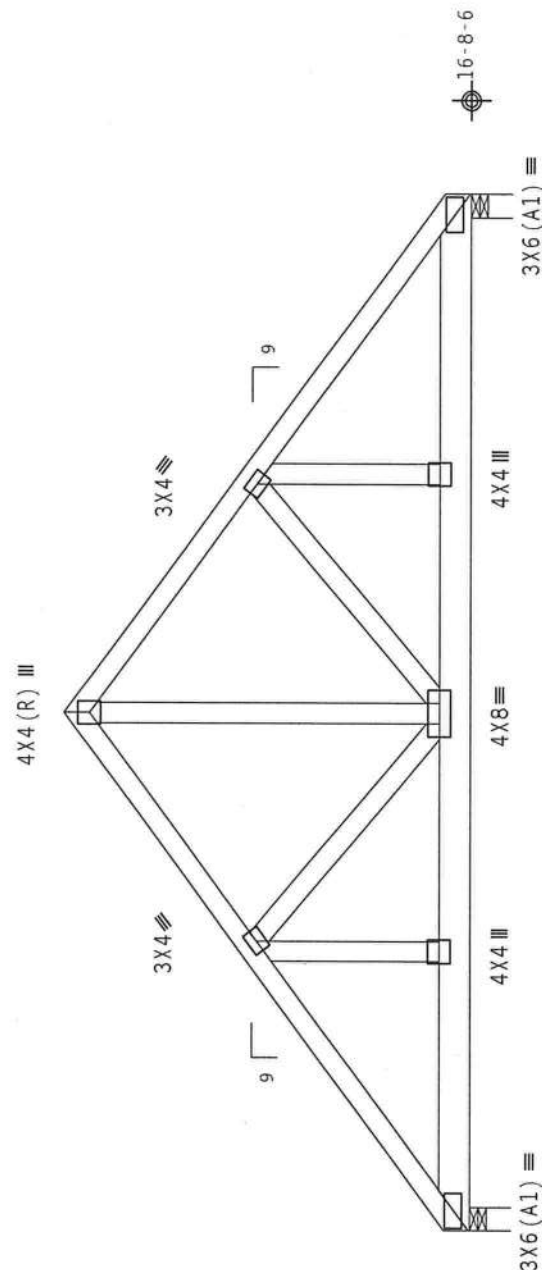
110 mph wind, 19.86 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. Iw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

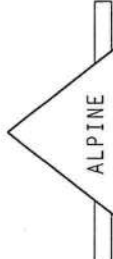
Special loads
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 65 plf at 0.00 to 65 plf at 7.42
TC- From 65 plf at 7.42 to 65 plf at 14.83
BC- From 20 plf at 0.00 to 20 plf at 14.83
BC- 392.24 lb Conc. Load at 1.94, 3.94
BC- 301.28 lb Conc. Load at 5.94
BC- 391.11 lb Conc. Load at 6.90
BC- 388.04 lb Conc. Load at 8.90, 10.90, 12.90

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



7-5-0 7-5-0 14-10-0 Over 2 Supports
R-1959 U=160 W=4"
RL=136/-136
R=1943 U=178 W=4"



PLT TYP. Wave	Design Crit: FBC2007Com/TPI-2002 (S) FT/RT=10%(0%)/0(0)	QTY:1	FL/-4/-/-/R/-	Scale =.375"/Ft.
 Haines City, FL 33844 FL COA #0 278	REFER TO BC21 TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI TRUSS PLATING INSTITUTE, 239 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (4000 TRUSS COUNCIL OF AMERICA, 100 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.			TC LL 20.0 PSF
	TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.			TC DL 10.0 PSF
	CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/H/SS/KA) ASTM A653 GRADE 40/60 (N, K/H/SS) GALV. UNLESS OTHERWISE SPECIFIED.			BC DL 10.0 PSF
	ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.			BC LL 0.0 PSF
	DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS. THE USER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.			TOT.LD. 40.0 PSF
	12/21/2010			DUR.FAC. 1.25
			SPACING 24.0"	JREF- 1U7X487_Z01

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

Special loads

----- (Lumber
TC- From Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
60 plf at 0.00 to 60 plf at 6.83
BC- From 10 plf at 0.00 to 10 plf at 6.83
BC- 392.24 lb Conc. Load at 2.90, 4.90

Wind reactions based on MWFRS pressures.

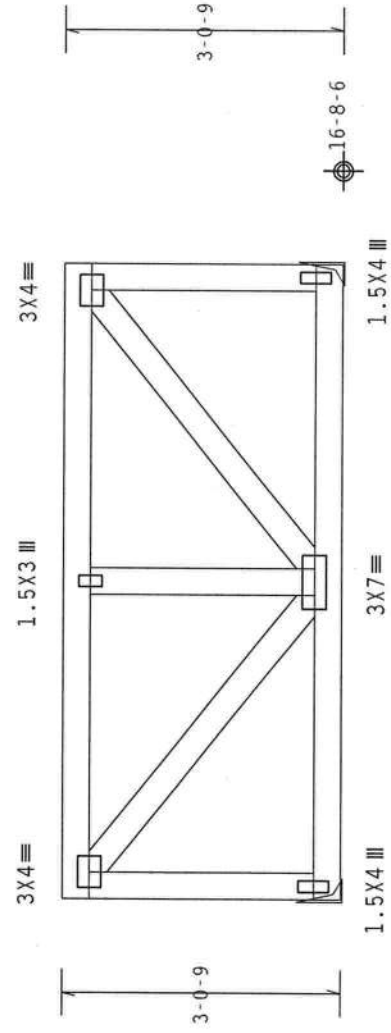
110 mph wind, 19.74 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)-0.18

End verticals not exposed to wind pressure.

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

Truss must be installed as shown with top chord up.

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



R-576 U-145 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d, 0.148"x1.5" nails in Girder
Supporting Member is (1)2x4 SP #2 Dense

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S)
FT/RT=10% (0%)/0 (0)

686 U-124 H-Simpson LUS24
10d Common, 0.148"x3.0" nails in Truss
0.148"x1.5" nails in Girder
Member is (1)2x4 SP #2 Dense

QTY: 1 FL/-4/-/-R/- Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DOUGLAS FLEMING
LICENSED PROFESSIONAL ENGINEER
No. 66648
STATE OF FLORIDA

12/21/2010

TC LL	20.0 PSF	REF	R487-- 81877
TC DL	10.0 PSF	DATE	12/21/10
BC DL	10.0 PSF	DRW	HCUSR487 10355024
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	169365
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1U7X487_Z01

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

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 30 plf at 0.00 to 30 plf at 5.88
BC- From 10 plf at 0.00 to 10 plf at 5.88
BC- 519.60 lb Conc. Load at 1.94, 4.00

Wind reactions based on MWFRS pressures.

MWFRS loads based on trusses located at least 9.12 ft. from roof edge.

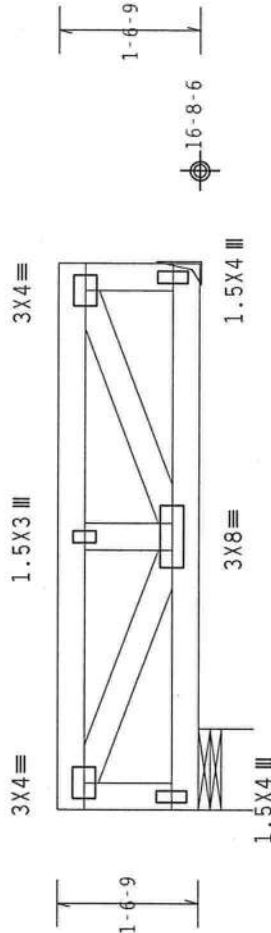
110 mph wind, 18.24 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)-0.18

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Truss must be installed as shown with top chord up.

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



5-10-8 Over 2 Supports
R-632 U-99 W=10.5"

R-643 U-101 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x1.5" nails in Girder
Sizing per AISI S100-10 is (1)2x4 SP #2 Dense

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S)
FT/RT=10% (0%)/0(0)

QTY: 1	FL/-/4/-/-/R/-	Scale = .5"/Ft.
TC LL	20.0 PSF	REF R487-- 81878
TC DL	10.0 PSF	DATE 12/21/10
BC DL	10.0 PSF	DRW HCUSR487 10355023
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 169377
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U7X487_Z01



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO UCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATFORM), 215 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MTCA (WOOD TRUSS COUNCIL OF AMERICA), 55719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TPI (TRUSS PLATFORM). CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/A) ASTM A653 GRADE 40/60 (IN. X/H/SS) GALV. UNLESS OTHERWISE INDICATED. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. ANY INSPECTION OF PLATES FOLLOWED BY (2) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(10-239--Fill) in later MIKE TODD/ELSHOFF -- , ** - M)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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 GCp1(+/-)-0.18

Wind reactions based on MWFRS pressures.

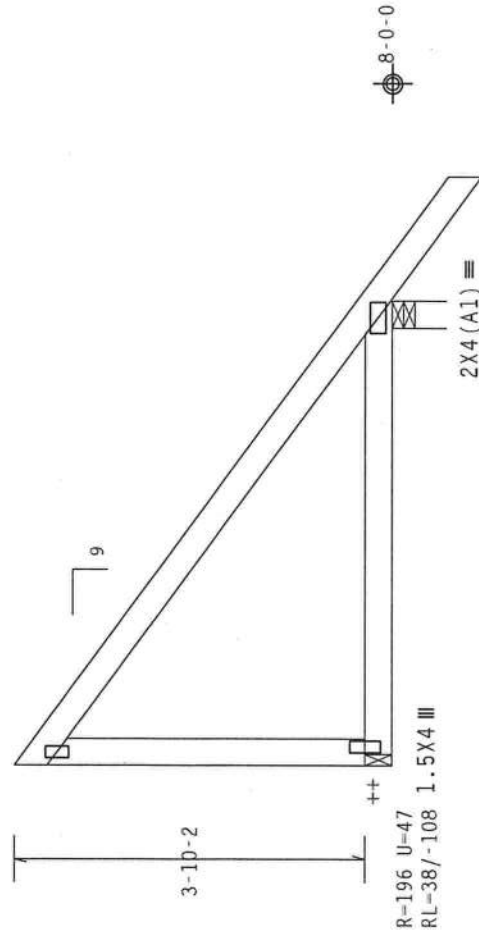
Bottom chord checked for 10.00 psf non-concurrent live load.

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

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

++ ANCHORAGE REQ'D TO PREVENT TRUSS FROM SLIPPING OFF BEARING.

1.5X3 III



1-4-0

1-4-0

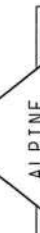
5-0-0 Over 2 Supports
R-323 U=0 W=3.5"

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S) 19.03/03.0319.18
FT/RT=10% (0%) / 0(0%)

QTY: 7 FL/-4/-1-/R/-

Scale = .5" / Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATFORM INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		**IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCS INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCS INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.			
	REF	R487--	81879	REF	R487--	81879
	DATE	12/21/10	10.0 PSF	DATE	12/21/10	10.0 PSF
	DRW	HCUSR487	10355004	DRW	HCUSR487	10355004
	HC-ENG	JB/DF	*	HC-ENG	JB/DF	*
	SEQN	169189	40.0 PSF	SEQN	169189	40.0 PSF
DUR.FAC.		1.25	DUR.FAC.		1.25	
SPACING		24.0"	SPACING		24.0"	
JREF		1U7X487_Z01	JREF		1U7X487_Z01	

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 66648
12/21/2010

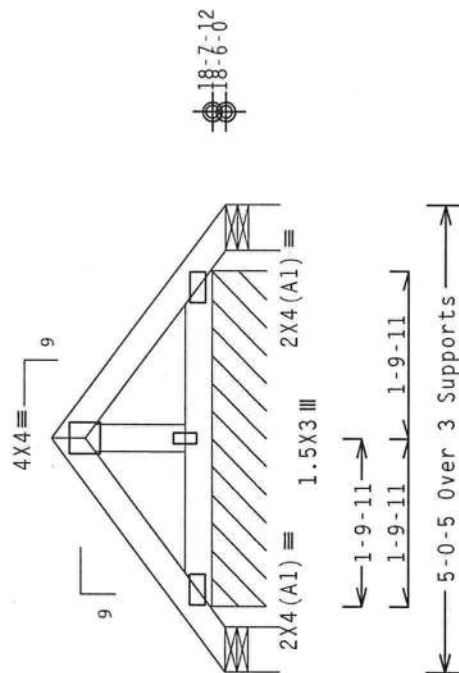
Special loads
----- (Lumber
TC- From
TC- From
BC- From

110 mph wind, 19.44 ft mean hgt, ASCE 7-05, 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 GCpt(+/-)0.18

Wind reactions based on MWFRS pressures.

Refer to DWG PB1200109 for piggyback details.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Deflection meets L/240 live and L/180 total load.



R-10 RW-29 U-27 W-5.833"
RL-42/-42 R=8

R=10 U=2 W=5.833"

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002(S

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487-- 81880
TC DL	10.0	PSF	DATE 12/21/10
BC DL	10.0	PSF	DRW HCUR487 10355014
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 168866
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1U7X487_Z01

12/21/2010



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

(10-239--Fill) in later MIKE TODD/ELSHOFF --, ** - BPGE)

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

110 mph wind, 19.26 ft mean htg, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-2.0 psf.
lw-1.00 GCpl (+/-)-0.18

Wind reactions based on MWFRS pressures.

See DWGS A11030050109 & GBLLETIN0109 for more requirements.

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

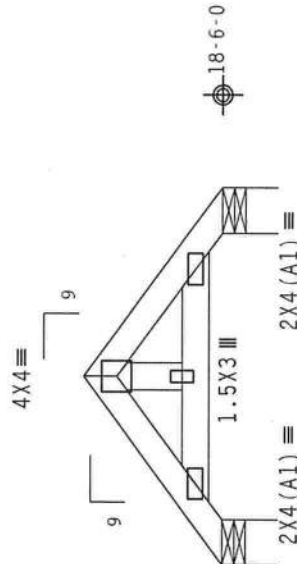
Refer to DWG PB1200109 for piggyback details.

Special loads

----- (Lumber) Dur.Fac. = 1.25 / Plate Dur.Fac. = 1.25
TC- From 65 plf at -0.68 to 65 plf at 1.35
TC- From 65 plf at 1.35 to 65 plf at 3.38
BC- From 4 plf at -0.68 to 4 plf at 3.38

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

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



L-1-4-3 L-1-4-3

4-0-11 Over 2 Supports

R-123 U-73 W-5.833"

RL-26/-26

R-123 U-73 W-5.833"

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S)
FT/RT=10% (0%)/0(0)

Scale = .5" / Ft.

FL / - / 4 / - / - / R / -

QTY: 1

9.05/03.0319.16

10/01

10/01

10/01

10/01

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10/01

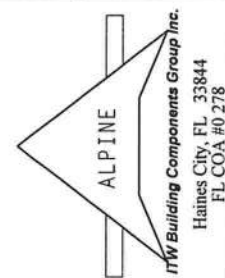
10/01

10/01

10/01

10/01

REF R487 -- 81881	TC LL 20.0 PSF	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
DATE 12/21/10	TC DL 10.0 PSF		
DRW HCUSR487 10355015	BC DL 10.0 PSF		
HC-ENG JB/DF	BC LL 0.0 PSF		
SEQN- 168920	TOT.LD. 40.0 PSF		
	DUR.FAC. 1.25		
JREF - 1U7X487_Z01	SPACING 24.0"		



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

110 mph wind, 20.38 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf.
lw=1.00 GCpl(+/-)-0.18

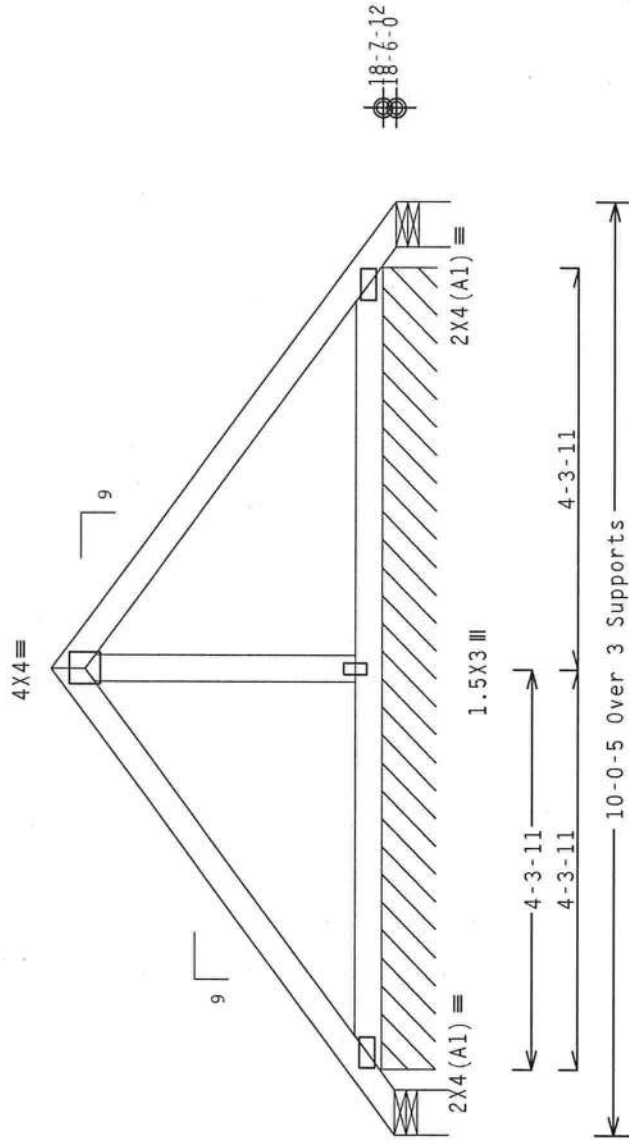
Wind reactions based on MMFRS pressures.

Refer to DWG PB1200109 for piggyback details.

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 65 plf at 0.00 to 65 plf at 5.01
TC- From 65 plf at 5.01 to 65 plf at 10.03
BC- From 4 plf at 0.00 to 4 plf at 10.03

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



R=-77 Rw-93 U=106 W=5.833"
RL=89/-89

10'-0" Over 3 Supports

R-94 PLF U-31 PLF W-89 Rw-46 U-51 W=5.834"

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (800) 319-1619
FT/RT=10% (0%)/0(0)

Scale = .5" / Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	TY:15 FL/-/4/-/1-/R/-		TC LL 20.0 PSF	REF R487-- 81882		
			TC DL 10.0 PSF	DATE 12/21/10		
			BC DL 10.0 PSF	DRW HCUSR487 10355016		
			BC LL 0.0 PSF	HC-ENG JB/DF		
			TOT.LD. 40.0 PSF	SEQN- 169402		
						DUR.FAC. 1.25
						SPACING 24.0"
JREF- 1U7X487_Z01						

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BEARING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MECA LOADS TRUSS COUNCIL OF AMERICA, 8300 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, 10000 W. 15TH AVENUE, SUITE 100, DENVER, CO 80202, SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN COMPLIANCE WITH THE DESIGN. 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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 20.20 ft mean hgt, ASCE 7-05, CLOSED bldg. Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf.
lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11030050109 & 68LLETIN0109 for more requirements.

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

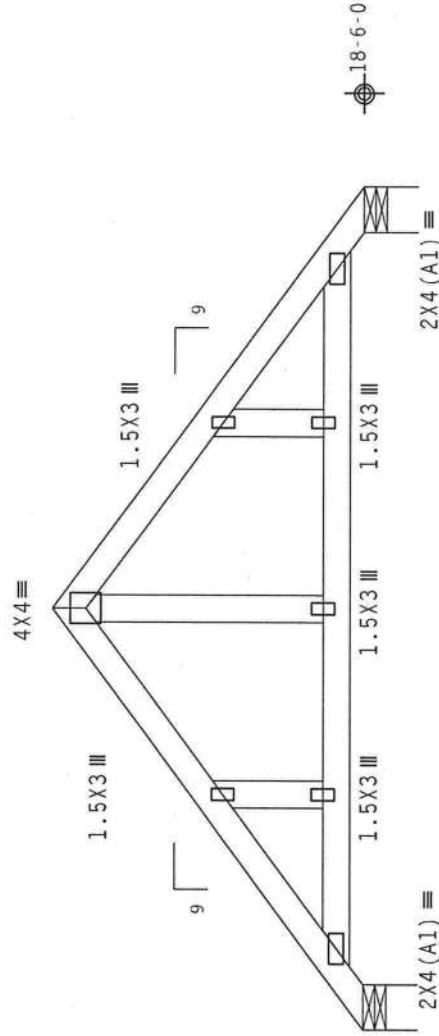
Refer to DWG PB1200109 for piggyback details.

Special loads

----- (Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 65 plf at -0.68 to 65 plf at 3.85
TC- From 65 plf at 3.85 to 65 plf at 8.38
BC- From 4 plf at -0.68 to 4 plf at 8.37

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

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



3-10-3 3-10-3 3-10-3
9'-0-11 Over 2 Supports

R-296 U=114 W=5.833"
RL-62/-62

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S.D.)
FT/RT=10% (0%) / 0(0)

Scale = .5" / Ft.

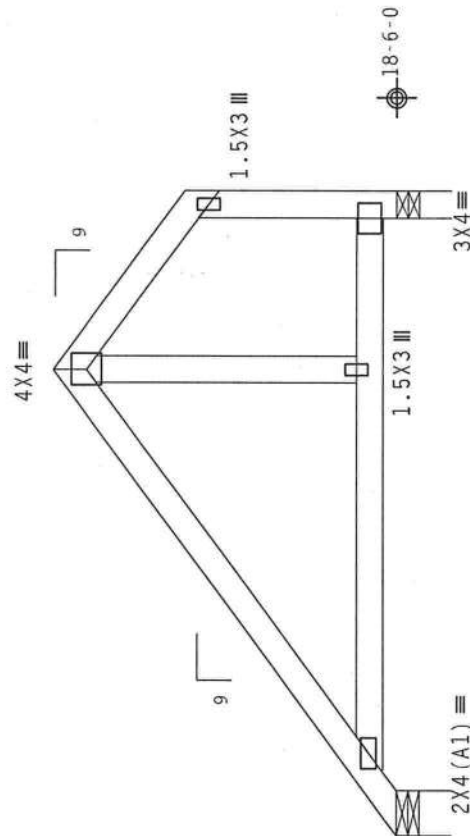
 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	STATE OF FLORIDA PROFESSIONAL ENGINEER 12/21/2010	TY: 2		FL / - 4 / - / - / R / -		REF R487 -- 81883		
		TC LL		20.0 PSF		DATE 12/21/10		
		TC DL		10.0 PSF		DRW HCUSR487 10355017		
		BC DL		10.0 PSF		HC-ENG JB/DF		
		TOT.LD.		40.0 PSF		SEQN- 169026		
		DUR.FAC.		1.25		JREF- 1U7X487_Z01		
		SPACING		24.0"				

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/21/2010

Refer to DWG PB1200109 for piggyback details.

Right end vertical not exposed to wind pressure.

MMWFRS loads based on trusses located at least 20.38 ft. from roof edge.



4-3-11 1-11-0
6-11-3 Over 2 Supports

R-234 U=13 W=5.833"
RL-84/-65

R-227 U-24 W-

PLT TYP. Wave

Design Crit: FBC2007Com/TPI-2002 (S
FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487-- 81884
TC DL	10.0	PSF	DATE 12/21/10
BC DL	10.0	PSF	DRW HCUSR487 10355018
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 169198
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1U7X487_Z01

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6684

No. 4

BRACING.

CLINICAL AND
STATISTICAL

NG. INSTAL
TRUSS PL

SHIPPI...
BY TPI...

HANDLING,
PUBLISHED

ICATION. F.

IN FEBRUARY 1964

EXTREME CARE
PATIENT SAFETY

REQUIRE EX-

TRUSSES REINFORCED WITH FRP

ARNING...
R TO BEST

**WARR REF	
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1



ALPINE
Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

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

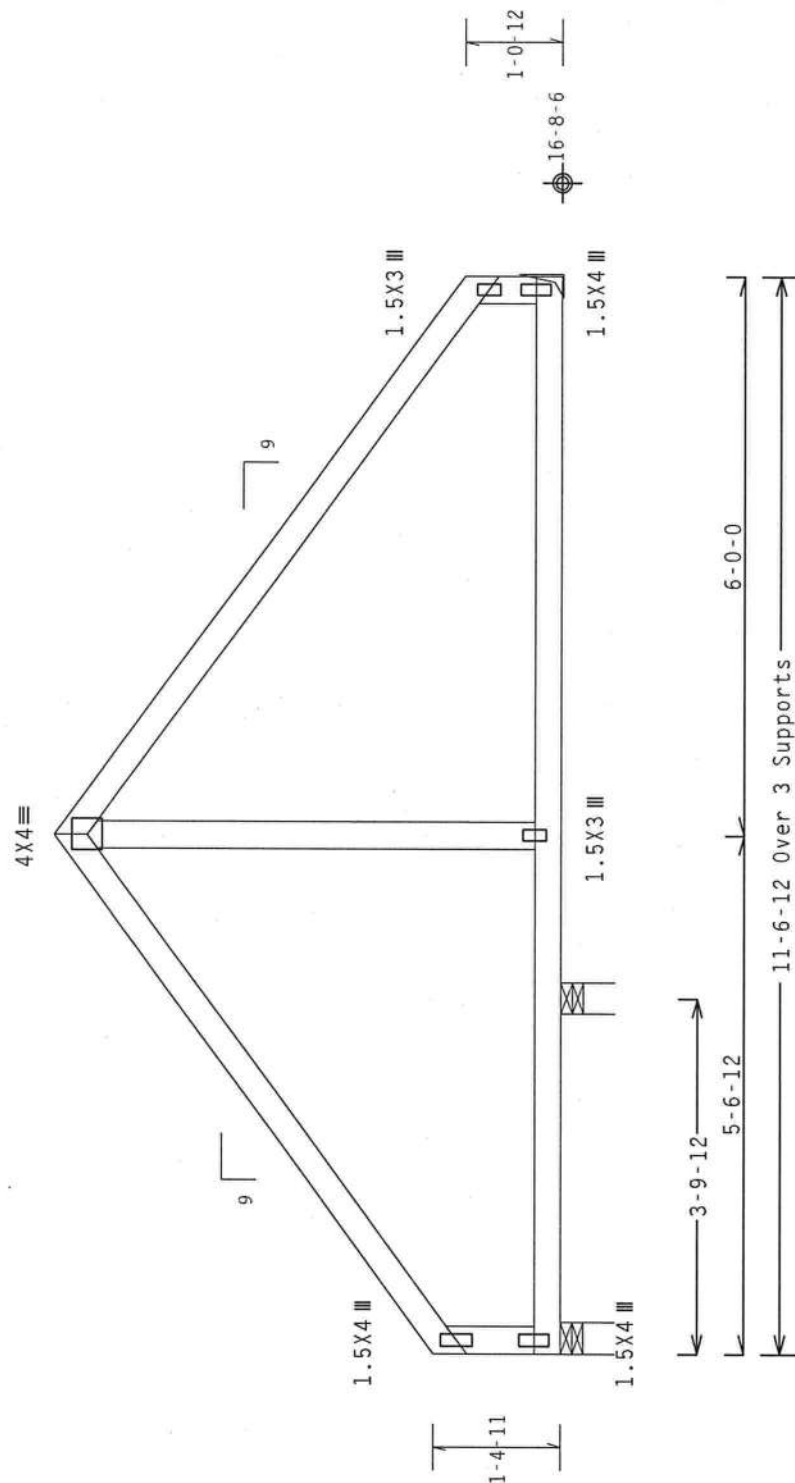
Bottom chord checked for 10.00 psf non-concurrent live load.

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

11110 mph wind, 20.01 ft mean hgt, ASCE 7-05, 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 GCpf (+/-)0.18

Wind reactions based on MWFRS pressures.

MMWFRS loads based on trusses located at least 20.01 ft. from roof edge.



R-281 U=17 W=4"
RL-104/-107

R-313 U=0 W=4"

 $\mathbb{Z} = \mathbb{Z}[x] = 5$ H-Simpson LU26

R-313 U=0 W=4"
Common, 0.148"x1.5" nails in Truss
Common, 0.162"x3.5" nails in Girder
Member is (1)2x6 SP #2 Dense
Design Crit: FRC2007Com/IPI-2002 (S)

PLT TYP. Wave

6/00TY:3 FL/-/4/-/-/R/-

Scale = .5"/Ft.



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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"IMPORTANT" - FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES WILL BE THE USER'S RESPONSIBILITY. DESIGN CONCEPTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (.015/.55/.55) ASTM A553 GRADE 40/60 (W, K/H, SS) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS POSITION, POSITION PER DRAWING. INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION REQUIRED. IF ADDITIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN INDICATES THAT THE SUSTAINABLE ANALYSIS AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
12/21/

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

JREF- 1U7X487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:

Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.24" due to live load and 0.27" due to dead load.

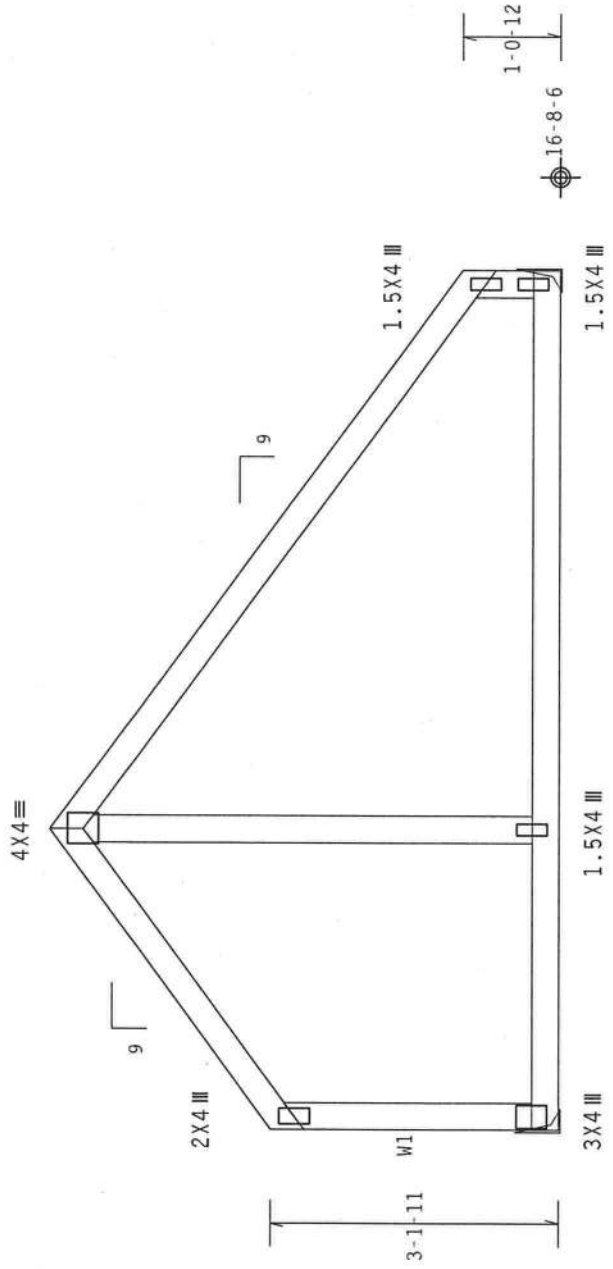
MMFRS loads based on trusses located at least 20.01 ft. from roof edge.

110 mph wind, 20.01 ft mean hgt, ASCE 7-05, 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. lw-1.00 GCpf(+/-)-0.18

Wind reactions based on MMFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R-392 U-2
RL-75/-93 H-Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d, 0.148"x1.5" nails in Girder
Supporting Member is (1)2x4 SP #2 Dense

9-2-12 Over 2 Supports

6-0-0

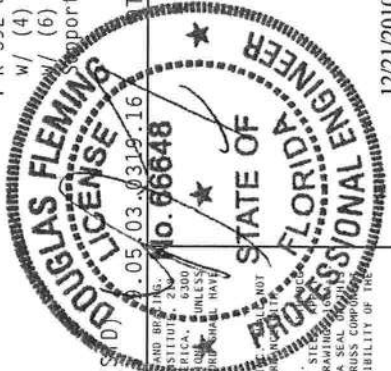
3-2-12

1-0-12

1-16-8-6

R-392 U-0 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Supporting Member is (1)2x6 SP #2 Dense

PLT TYP. Wave		TY:2	FL/-/4/-/4/-/R/-	Scale =.5"/Ft.
R-392 U-2		TC LL	20.0 PSF	REF R487-- 81886
RL-75/-93 H-Simpson LUS24		TC DL	10.0 PSF	DATE 12/21/10
w/ (2) 10d Common, 0.148"x3.0" nails in Truss		BC DL	10.0 PSF	DRW HCUSR487 10355020
w/ (4) 10d, 0.148"x1.5" nails in Girder		BC LL	0.0 PSF	HC-ENG JB/DF
Supporting Member is (1)2x4 SP #2 Dense		TOT.LD.	40.0 PSF	SEQN- 169323
Design Crit: FBC2007Com/TPI-2002 (S&D) FT/RT=10%(0%)/0(0%)		DUR.FAC.	1.25	
PLT TYP. Wave		SPACING	24.0"	JREF- 1U7X487_Z01



ALPINE

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Haines City, FL 33844
FL COA #0278

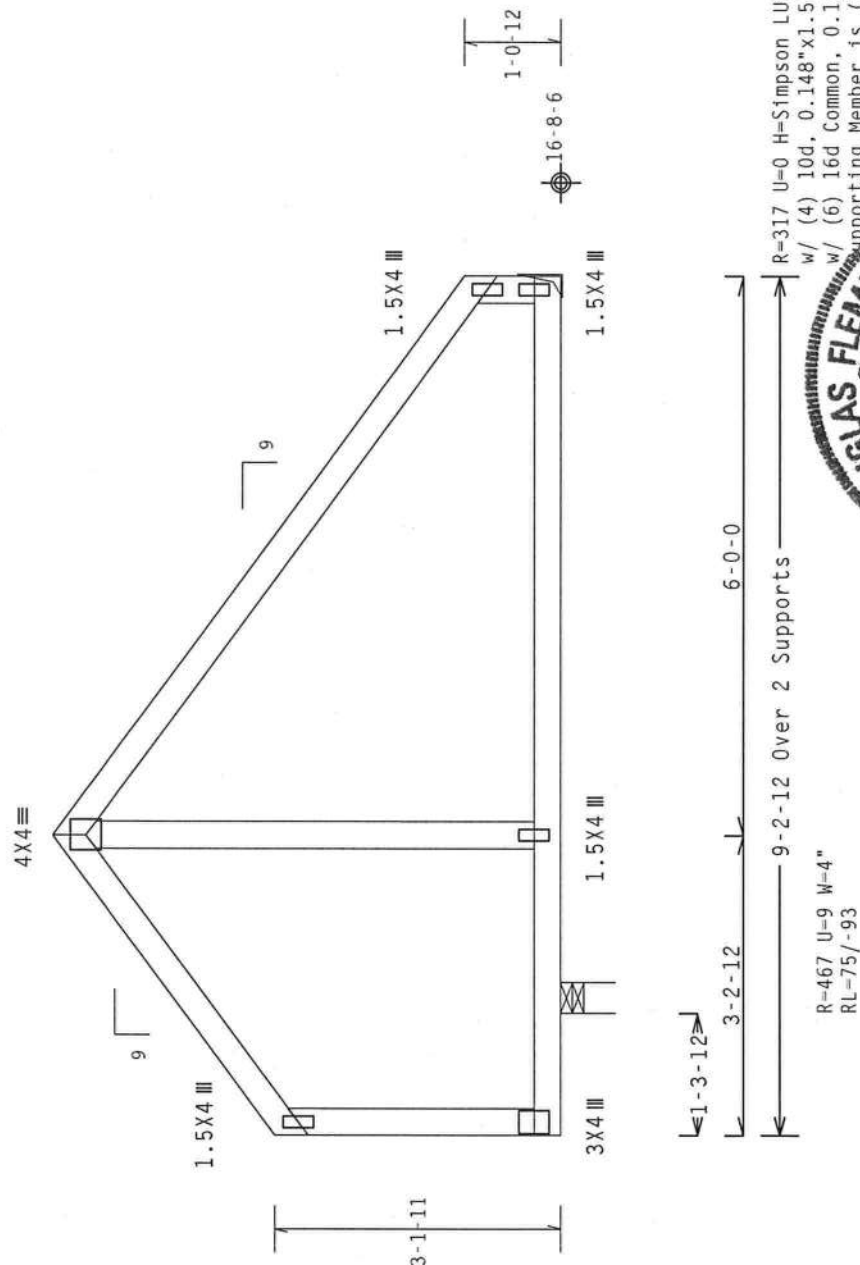
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

11110 mph wind, 20.01 ft mean hgt, ASCE 7-05, 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 GCpt (+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

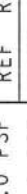


R-467 U-9 W-4"
RL-75/-93

R-317 U=0 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Supporting Member is (1)2x6 SP #2

Design Crit: FBC2007Com/TPI-2002 (S...
FT/RT=10% (0%) / 0 (0)

Scale = .5"/Ft.



ALPINE

nTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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12/21/2010

PROFESSIONAL ENGINEER

STATE OF FLORIDA

No. 66648

TC LL	20.0	PSF	REF	R487--	81887
TC DL	10.0	PSF	DATE	12/21/10	
BC DL	10.0	PSF	DRW	HCUSR487	10355021
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	169362	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U7X487_Z01	

Special loads
----- (Lumber

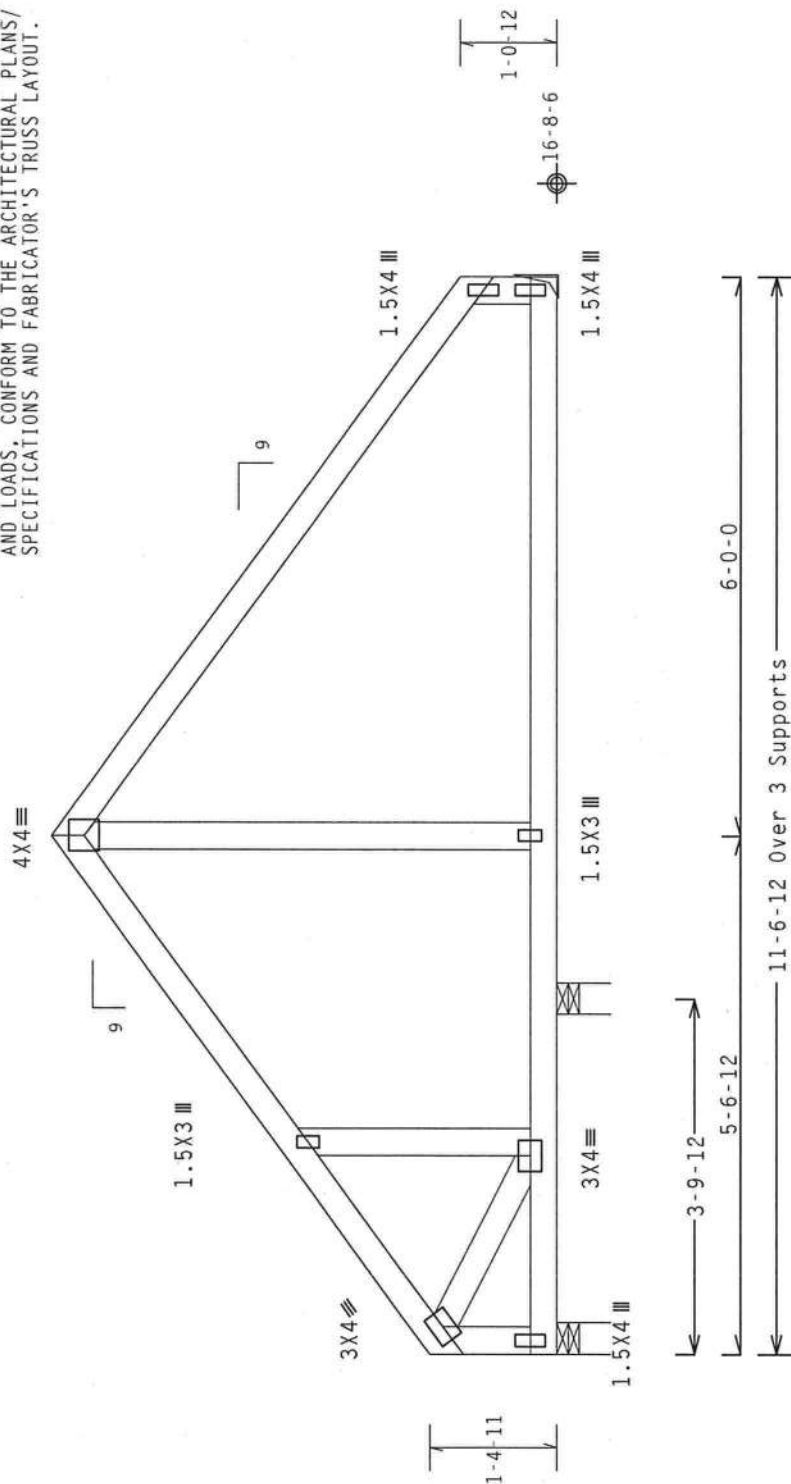
----- (Lumber	Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
65 plf at 0.00 to 65 plf at 5.56	
ITC- From	
65 plf at 5.56 to 65 plf at 11.56	
ITC- From	
20 plf at 0.00 to 20 plf at 11.56	
BC- 518.04 1b Conc. Load at 2.27	

110 mph wind, 20.01 ft mean hgt, ASCE 7-05, 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 GCpf (+/-) -0.18

Wind reactions based on MWFRS pressures.

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

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.



R=497 U=104 W=4"

R=613 U=146 W=4"
 H-Simpson LU26
 0.148"x1.5" nails in Truss
 Common, 0.162"x3.5" nails in Girder
 Member is (1)2x6 SP #2 Dense

Design Crit: FBC2007Com/TPI-2002 (S
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

12/21/2010

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND UPSETTING. REFER TO RC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTALLATION), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 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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No. 66648 ★

STATE OF FLORIDA

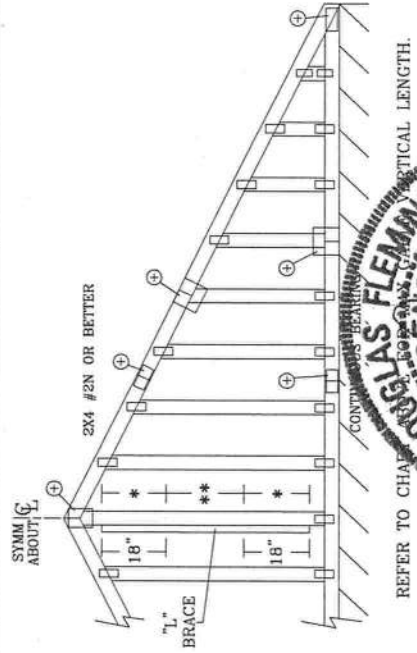
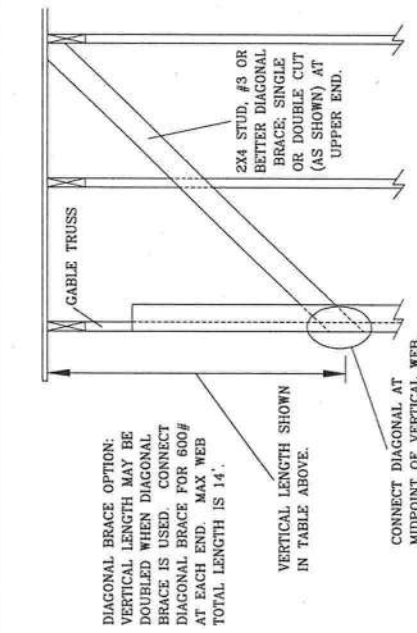
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R487--	81888
TC DL	10.0 PSF	DATE	12/21/10	
BC DL	10.0 PSF	DRW	HCUSR487	10355030
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.	40.0 PSF	SEQN-	169345	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1U7X487_Z01	

GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

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



BRACING GROUP SPECIES AND GRADES:	
GROUP A:	
SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STUD	STANDARD
GROUP B:	
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3 STUD	STANDARD
#1 STUD	STANDARD

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"	2.5X4
GREATER THAN 11' 6"	3X4

Building Components Group Inc.
Earth City, MO 63045

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

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

2X4 STUD, #3 OR BETTER DIAGONAL BRACE, SINGLE OR DOUBLE CUT (AS SHOWN) AT UPPER END.

GABLE TRUSS

REFER TO CHAIR FOR VERTICAL LENGTH.

2X4 #2N OR BETTER

SYMM ABOUT

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

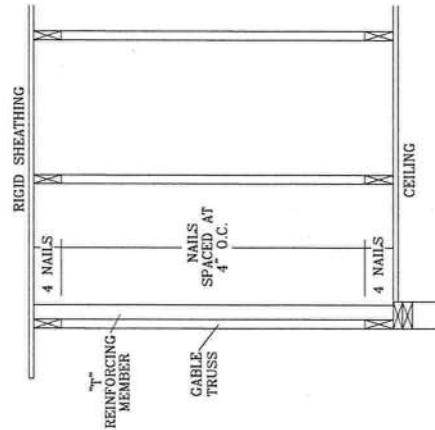
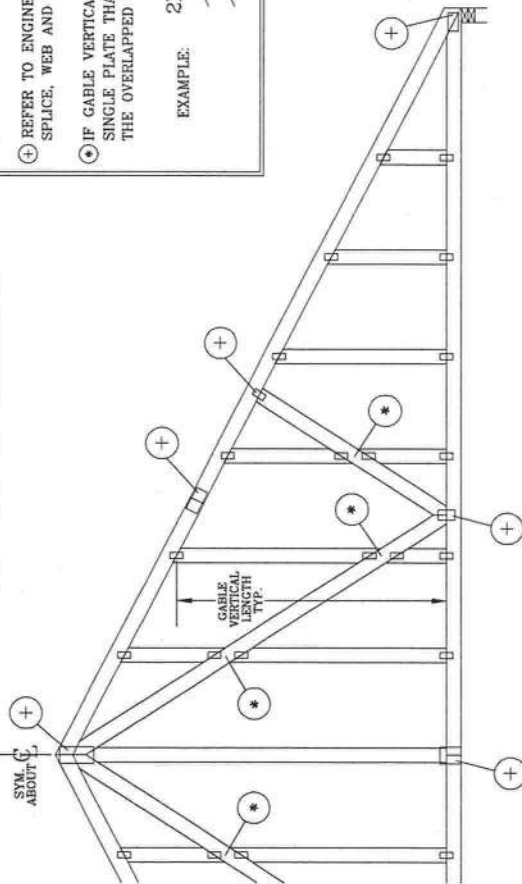
REF ASC7-05-CAB11015

DATE 1/1/09

DRWG A11015050109

12/21/2010

GABLE DETAIL FOR LET-IN VERTICALS



GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

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

(*) IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.



EXAMPLE:

"T" REINFORCEMENT ATTACHMENT DETAIL

"T" REINFORCING MEMBER



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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	"T" INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	40 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT, Kzt = 1.00
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

END DRIVEN NAILS:

10d COMMON (0.148" X 3" MIN) NAILS AT 4" O.C. PLUS

(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAIL NAILS:

10d COMMON (0.148" X 3" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCE

WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015980109, A12015980109, A1015980109, A10015980109,

A13030980109, A12030980109, A1030980109, A10030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A1015020109, A10015020109,

A13030020109, A12030020109, A10300020109, A10030020109

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015050109, A12015050109, A1015050109, A10015050109,

A13030050109, A12030050109, A10300050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of the truss system. ITWBCG shall provide temporary bracing per BCSI. Unless noted otherwise, all chords shall have properly attached structural panels and bottom chord shall have a properly attached truss section B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of the truss system. ITWBCG shall provide temporary bracing per BCSI. Unless noted otherwise, all chords shall have properly attached structural panels and bottom chord shall have a properly attached truss section B3 & B7. See this job's general notes page for more information.

ITWBCG shall not be responsible for any deviation from the design of the truss system. ITWBCG shall provide temporary bracing per BCSI. Unless noted otherwise, all chords shall have properly attached structural panels and bottom chord shall have a properly attached truss section B3 & B7. See this job's general notes page for more information.

ITWBCG shall not be responsible for any deviation from the design of the truss system. ITWBCG shall provide temporary bracing per BCSI. Unless noted otherwise, all chords shall have properly attached structural panels and bottom chord shall have a properly attached truss section B3 & B7. See this job's general notes page for more information.

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ITWBCG shall not be responsible for any deviation from the design of the truss system. ITWBCG shall provide temporary bracing per BCSI. Unless noted otherwise, all chords shall have properly attached structural panels and bottom chord shall have a properly attached truss section B3 & B7. See this job's general notes page for more information.

ITWBCG shall not be responsible for any deviation from the design of the truss system. ITWBCG shall provide temporary bracing per BCSI. Unless noted otherwise, all chords shall have properly attached structural panels and bottom chord shall have a properly attached truss section B3 & B7. See this job's general notes page for more information.

ITWBCG shall not be responsible for any deviation from the design of the truss system. ITWBCG shall provide temporary bracing per BCSI. Unless noted otherwise, all chords shall have properly attached structural panels and bottom chord shall have a properly attached truss section B3 & B7. See this job's general notes page for more information.



Earth City, MO 63045

REF LET-IN VERT
DATE 1/1/09
DRWG GBLTIN0109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



12/21/2010

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

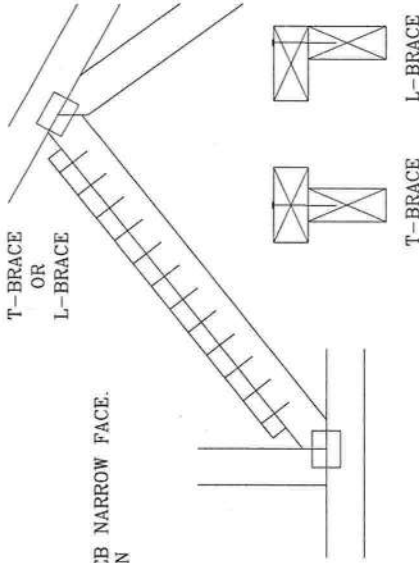
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

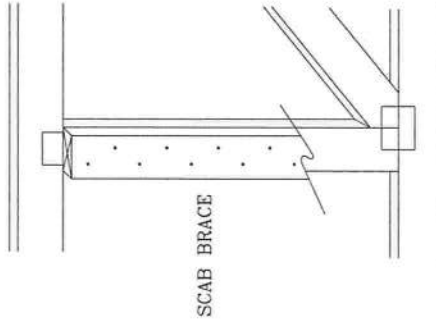
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3", MIN) NAILS.
AT 6" O.C.
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3", MIN) NAILS.
AT 6" O.C.
BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



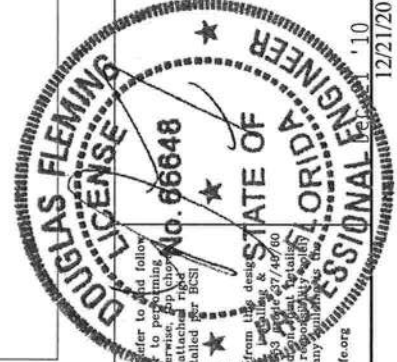
Building Components Group Inc.

Earth City, MO 63045

****WARNINGS**** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, pin chords shall have properly attached structural purlins and bottom chord shall have a properly attached top chord ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of trusses. ITWBCG connector plates are made of 3010/16GA (W/H/S/K) ASTM A573 Grade 57/48/00 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and attached with 10d box or gun nails. ITWBCG shall not be responsible for the truss component design shown. The suitability and use of this component for any responsibility of the Building Designer per ANST/TPI 1 Sec. 2.

ITW-BCG: www.itwbcg.com; TPI: www.tpinet.com; WTC: www.sbcindustry.com; ICC: www.iccsafe.org



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

12/21/2010

NAIL SPACING DETAIL

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

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCE THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

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)

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

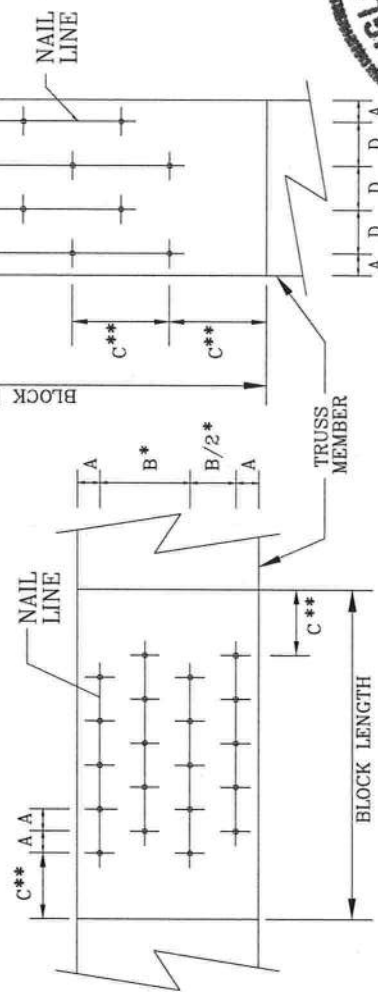
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

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%

DIRECTION OF LOAD AND NAIL ROWS



LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN



Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following BCSI (Building Components Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all steel shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing indicated per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2018/18CA (W/H/S/K) ASTM A505 3/4" x 40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and to the bottom chord. For the full details of the design, including the use of this component for any building, consult the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

ITW - BCG: www.itwbog.com; TPI: www.tpinat.com; WCA: www.abcdindustry.com; ICC: www.iccsafe.org



12/27/2010

MINIMUM NAIL SPACING DISTANCES

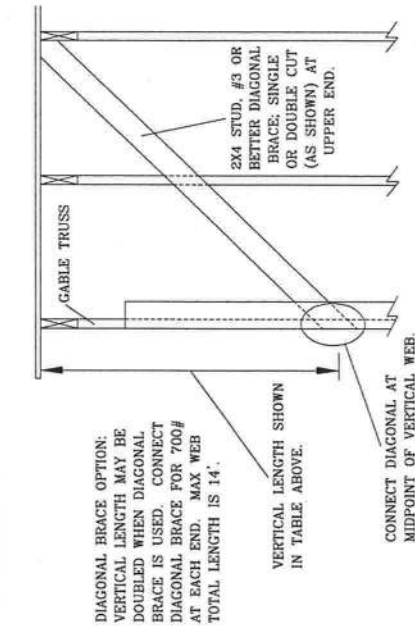
NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)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

ASCE 7-05: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

ASCE 7-05: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

MAX GABLE VERTICAL LENGTH

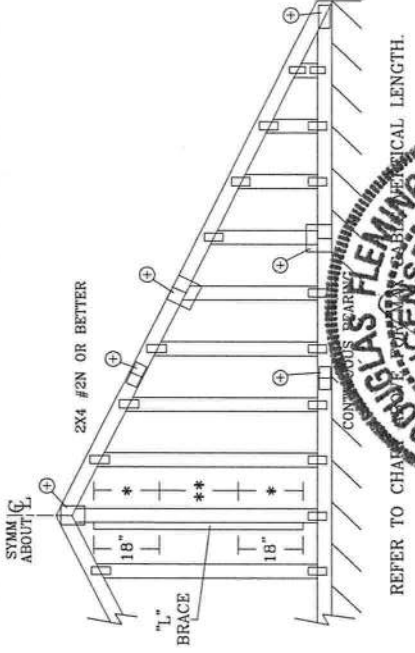
2X4 GABLE VERTICAL SPACING SPECIES GRADE	BRACE #1 / #2 STUD STANDARD #1 #2 #3	GABLE STUD REINFORCEMENT DETAIL											
		(1) 1X4 "L" BRACE	(2) 2X4 "L" BRACE	(1) 2X4 "L" BRACE	(2) 2X4 "L" BRACE	(1) 2X6 "L" BRACE	(2) 2X6 "L" BRACE	(1) 2X6 "L" BRACE	(2) 2X6 "L" BRACE	(1) 2X6 "L" BRACE	(2) 2X6 "L" BRACE	(1) 2X6 "L" BRACE	(2) 2X6 "L" BRACE
SPF	#1 / #2	3' 8"	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"	3' 2"	3' 1"	3' 0"	2' 11"	2' 10"	2' 9"
HF	#1 / #2	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"	3' 2"	3' 1"	3' 0"	2' 11"	2' 10"	2' 9"	2' 8"
STANDARD	#1 / #2	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"	3' 2"	3' 1"	3' 0"	2' 11"	2' 10"	2' 9"	2' 8"
SP	#1 / #2	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"	3' 2"	3' 1"
DFL	#1 / #2	3' 9"	3' 8"	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"	3' 2"	3' 1"	3' 0"	2' 11"	2' 10"
STANDARD	#1 / #2	3' 9"	3' 8"	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"	3' 2"	3' 1"	3' 0"	2' 11"	2' 10"
SPF	#1 / #2	4' 2"	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"
HF	#1 / #2	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"	3' 2"
STANDARD	#1 / #2	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"	3' 7"	3' 6"	3' 5"	3' 4"	3' 3"	3' 2"
SP	#1 / #2	4' 7"	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"
DFL	#1 / #2	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"	3' 7"
STANDARD	#1 / #2	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"	3' 7"
SPF	#1 / #2	4' 7"	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"
HF	#1 / #2	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"	3' 7"
STANDARD	#1 / #2	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"	3' 11"	3' 10"	3' 9"	3' 8"	3' 7"
SP	#1 / #2	4' 11"	4' 10"	4' 9"	4' 8"	4' 7"	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"
DFL	#1 / #2	4' 10"	4' 9"	4' 8"	4' 7"	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"	3' 11"
STANDARD	#1 / #2	4' 10"	4' 9"	4' 8"	4' 7"	4' 6"	4' 5"	4' 4"	4' 3"	4' 2"	4' 1"	4' 0"	3' 11"



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'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB.



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'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
UPPER END.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3	STUD
STANDARD	STANDARD

SOUTHERN PINE

#3	STUD
STANDARD	STANDARD

GROUP B:

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

SOUTHERN PINE

#1	#2
----	----

GABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- * FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	25X4
GREATER THAN 11' 6"	3X4

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

REF	ASCE7-05-CAB11030
DATE	1/1/09
DRWG	A11030050109

MAX. TOT. LD. 60 PSF	MAX. SPACING 24.0"
----------------------	--------------------

DOUGLAS FLEMING
LICENSED PROFESSIONAL ENGINEER
No. 66848
STATE OF FLORIDA
12/21/2010

WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design. ITWBCG requires extreme care in the handling, shipping, installing and bracing. Refer to the following for more information: ITWBCG Safety Instructions (TCS) for safety practices and performance. These functions. ITWBCG connectors shall provide temporary bracing per BCS. Unless noted otherwise, the chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections E3 & B7. See this job's general notes page for more information.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design. ITWBCG requires extreme care in the handling, shipping, installing and bracing. Refer to the following for more information: ITWBCG Safety Instructions (TCS) for safety practices and performance. These functions. ITWBCG connectors shall provide temporary bracing per BCS. Unless noted otherwise, the chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections E3 & B7. See this job's general notes page for more information.

responsibility of the Building Designer per ANSI/TH 1 Sec. 2.
ITW-BCC: www.itwbcg.com; TFI: www.tfiinc.com; WTC: www.wtcindustry.com; ICC: www.iccsafe.org

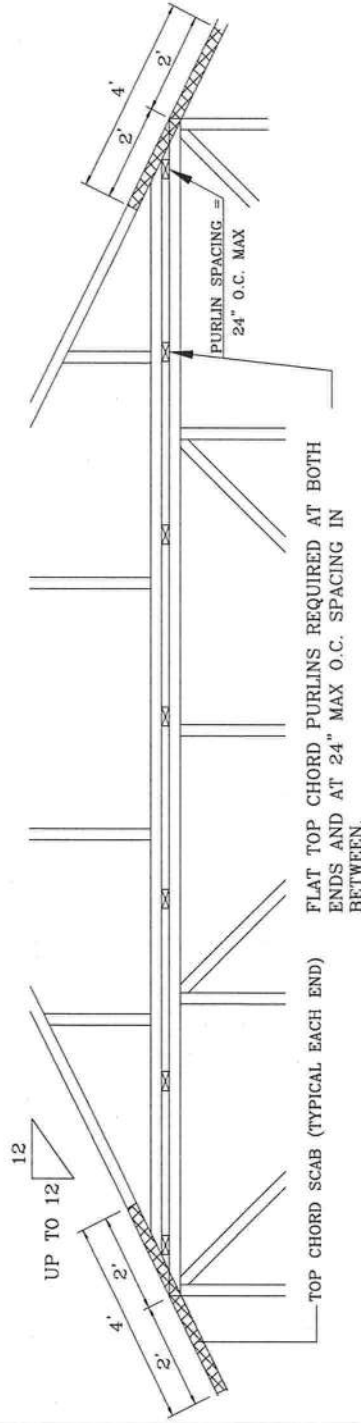


120 PIGGYBACK DETAIL

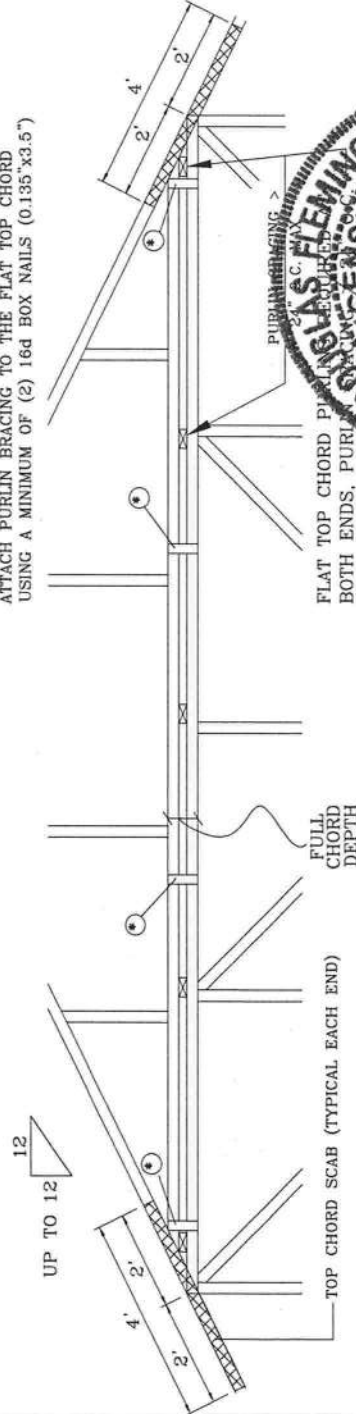
UP TO 120 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF, CAT II.
EXP C. WIND DL= 5.0 PSF (MIN), Kzt=1.0.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR ANY OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS, AND LATERAL BRACING FOR OUT OF PLANE LOADS OVER GABLE ENDS.
** REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR PIGGYBACK AND BASE TRUSS SPECIFICATIONS.

DETAIL A : PURLIN SPACING = 24" O.C. OR LESS



DETAIL B : PURLIN SPACING > 24" O.C.



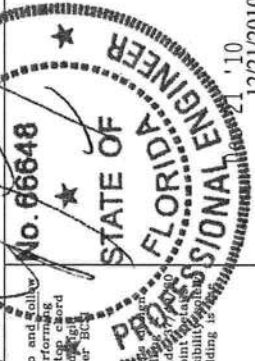
NOTE: IF PURLINS OR SHEATHING ARE NOT SPECIFIED ON THE FLAT TOP OF THE TRUSSES, PURLINS MUST BE INSTALLED AT 24" O.C. MAX. AND USE DETAIL A.

WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown on this drawing. ITWBCG shall not be responsible for any deviation from the design shown on this drawing. ITWBCG shall not be responsible for any deviation from the design shown on this drawing.



Earth City, MO 63045



REF	PIGGYBACK
DATE	03/15/10
DRWG	PBI200310
SPACING	24.0"

* IN ADDITION, PROVIDE CONNECTION WITH ONE OF THE FOLLOWING METHODS:

TRULOX
USE 3x8 TRULOX PLATES FOR 2x4 CHORD MEMBER, AND 3x10 TRULOX PLATES FOR 2x6 AND LARGER CHORD MEMBERS. ATTACH TO EACH FACE @ 8" O.C. WITH (4) 0.120"x1.375" NAILS INTO CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. TRULOX PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

APA RATED GUSSET

8"x8"x7/16" (MIN) APA RATED SHEATHING GUSSETS (EACH FACE) ATTACH @ 8" O.C. WITH (8) 6d COMMON (0.113"x2") NAILS PER GUSSET. (4) IN CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. GUSSETS MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

2x4 VERTICAL SCABS

2x4 SFF#2, FULL CHORD DEPTH SCABS (EACH FACE). ATTACH @ 8" O.C. WITH (6) 10d BOX NAILS (0.128"x3") PER SCAB, (3) IN CAP BOTTOM CHORD AND (3) IN BASE TRUSS TOP CHORD. SCABS MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

28PB WAVE PIGGYBACK PLATE

ONE 28PB WAVE PIGGYBACK PLATE TO EACH FACE @ 8" O.C. ATTACH TEETH TO PIGGYBACK AT TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120"x1.375" NAILS PER FACE PER PLY. PIGGYBACK PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

PIGGYBACK CAP TRUSS SLANT NAILED TO ALL TOP CHORD PURLIN BRACING WITH (2) 16d BOX NAILS (0.135"x3.5") AND SECURE TOP CHORD WITH 2x4 #3 GRADE SCAB (1 SIDE ONLY AT EACH END) ATTACHED WITH 2 ROWS OF 10d BOX NAILS (0.128"x3") AT 4" O.C.

ATTACH PURLIN BRACING TO THE FLAT TOP CHORD USING (2) 16d BOX NAILS (0.135"x3.5")

THE TOP CHORD #3 GRADE 2x4 SCAB MAY BE REPLACED WITH EITHER OF THE FOLLOWING: (1) 3x8 TRULOX PLATE ATTACHED WITH (8) 0.120"x1.375" NAILS, (4) INTO CAP TC & (4) INTO BASE TRUSS TC OR (1) 28PB WAVE PIGGYBACK PLATE PLATED TO THE PIGGYBACK TRUSS TC AND ATTACHED TO THE BASE TRUSS TC WITH (4) 0.120"x1.375" NAILS. NOTE: NAILING THRU HOLES OF WAVE PLATE, IS ACCEPTABLE.



Noling Pest Control

Cory Noling, Owner
Phone (386) 454-3888
(386) 935-2007
P.O. Box 949

High Springs, Florida 32655-0949

GRAPH AND SPECIFICATIONS

29126

BUYER'S NAME Larry Elshoff SELLER'S NAME _____ DATE 1-31-11

INSPECTION ADDRESS 389 SW Deanna Ter CITY Lake City STATE FL ZIP 32025

BUSINESS PHONE _____ HOME PHONE _____ INSPECTED BY: _____

Scale Used: _____ Well: ☐ Yes ☐ No How close to house? _____ ft. Additions? ☐ Yes ☐ No Access? _____

Additional specifications and comments: Graph not to Sq ft Slab Premise Pro

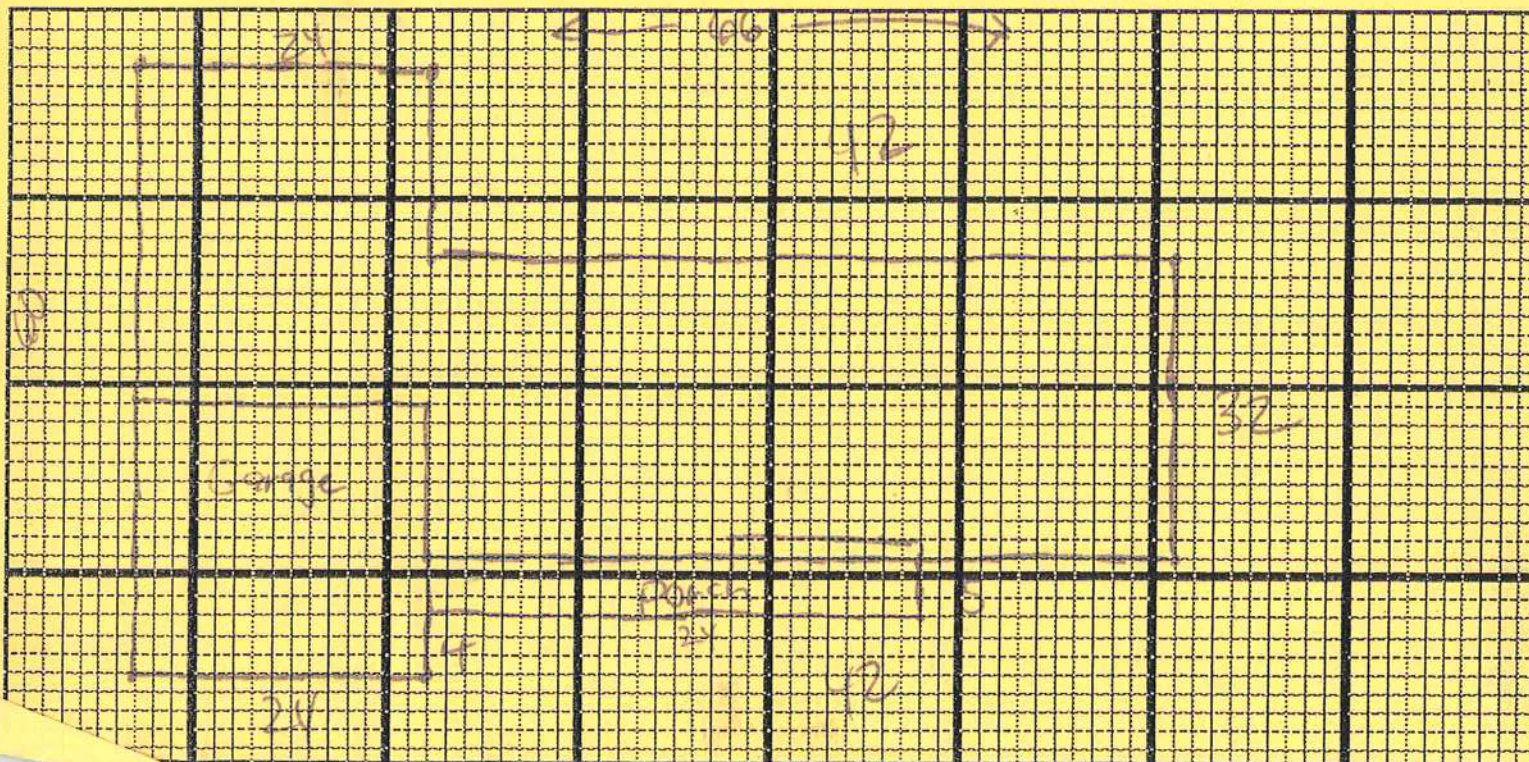
250 gallons

Lineal Footage: _____ Square Footage: 2880 Contract Price: _____

Type Foundation: ☐ Floating Slab ☐ Supported Slab ☐ Monolithic Slab ☐ Crawl ☐ Basement Type Construction: ☐ CBS ☐ Woodframe ☐ Brick

Type Infestation Key	Location Key			General Conditions		
	F - Front	R - Right	L - Left	RE - Rear	C - Center	
T - Subterranean Termite Activity	Infested Area	Type	Location		Stucco below grade?	Yes ☐ No ☐
D - Drywood Termite Activity	☐ Sills / Joists				Are Termites swarming?	Yes ☐ No ☐
ST - Suspected Termite Activity	☐ Sub Floor				Wood supports on ground?	Yes ☐ No ☐
P - Powder Post Beetles	☐ Finished Floor				Proper clearance for treating?	Yes ☐ No ☐
W - Wood Borers	☐ Walls, Studs, Plates				Make A3 access opening?	Yes ☐ No ☐
M - Moisture Condition	☐ Interior Trim				Electricity available?	Yes ☐ No ☐
F - Wood Decaying Fungi	☐ Paneled Wall				Bath trap opening?	Yes ☐ No ☐
X - Damage Present	☐ Door/Window Frame				Shrubbery Light ☐ Heavy ☐	
... - Vertical Drill Location	☐ Furniture/Cabinets				Type Floor Covering: _____	
	☐ Attic				Other: _____	
	☐ Roof					

VISIBLE DAMAGE WHICH EXISTS AT THE TIME OF THE INSPECTION IS DESIGNATED BY AN "X"



COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING INSPECTION

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 07-4S-17-08111-110

Building permit No. 000029126

Use Classification SFD/UTILITY

Fire: 12.84

Permit Holder MIKE TODD

Waste: 33.50

Owner of Building LARRY ELSHOFF

Total: 46.34

Location: 389 SW DEANNA TERRACE, LAKE CITY, FL 32025

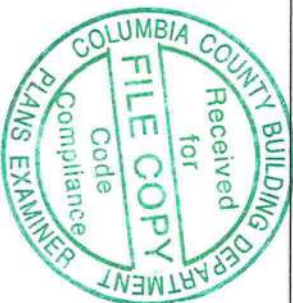
Date: 08/16/2011

Joe C.

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)





THE FOLLOWING SCHEDULE(S) IS FOR WIND LOAD RELATED STRUCTURAL ELEMENTS & DEVICES FOR EXTERIOR WALLS ONLY. REQUIRED INTERIOR STRUCTURAL ELEMENTS, TECHNIQUES OF CONSTRUCTION & DEVICES ARE NOT ADDRESSED BY THE ENGINEER.

SCALE NOTE:
DETAILS/SECTIONS: N.T.S.

SCHEDULE OF REQUIRED FOUNDATION & WALL SYSTEM MECHANICAL FASTENERS

EXTERIOR WALLS	EXTERIOR WALL OPENINGS	GIRDER	COLUMNS
LOCATE STANDARD 8" X 1 1/2" A307 ANCHOR BOLTS @ ALL CORNERS, 16" FROM ALL CORNERS AND THE BEGINNING OR END OF ALL SHEARWALL SEGMENTS & MAXIMUM 72" O.C. ALONG THE EXTERIOR PERIMETER WALL(S) ADDITIONAL DEVICES MAY BE REQUIRED @ SPECIFIC LOCATIONS -SEE NOTES & DETAILS ELSEWHERE THESE PLANS SEE FOOTING DETAILS FOR SPECIFIC REQUIREMENTS	RESIDENCE AREA LOCATION OF EXTERIOR WALL OPENINGS GREATER THAN 12" IN WIDTH - SEE PLAN VIEWS FOR LOCATIONS 3'-0" WIDTH REQUIRES 2 - CONTINUOUS STUDS EACH SIDE OF OPENING 1 - MODEL No. META16 BY SIMPSON STRONG-TIE OR EQUAL @ EACH SIDE OF ALL OPENINGS ATTACHED TO MULTIPLE STUDS @ EACH SIDE OF OPENING W/ 12 - 10d X 1 1/2" NAILS 4'-0" WIDTH REQUIRES 3 - CONTINUOUS STUDS EACH SIDE OF OPENING 1 - MODEL No. META16 BY SIMPSON STRONG-TIE OR EQUAL @ EACH SIDE OF ALL OPENINGS ATTACHED TO MULTIPLE STUDS @ EACH SIDE OF OPENING W/ 12 - 10d X 1 1/2" NAILS 6'-0" WIDTH REQUIRES 3 - CONTINUOUS STUDS EACH SIDE OF OPENING 1 - MODEL No. META16 BY SIMPSON STRONG-TIE OR EQUAL @ EACH SIDE OF ALL OPENINGS ATTACHED TO MULTIPLE STUDS @ EACH SIDE OF OPENING W/ 12 - 10d X 1 1/2" NAILS LOCATIONS OF GIRDER TRUSSES & PORCH GIRDERS - COORDINATE W/ PLAN VIEWS 1 - MODEL No. META16 BY SIMPSON STRONG-TIE OR EQUAL @ EACH SIDE OF ALL OPENINGS ATTACHED TO MULTIPLE STUDS @ EACH SIDE OF OPENING W/ 12 - 10d X 1 1/2" NAILS PORCH GIRDER BEARING / ATTACHMENT REQUIRES 4 - CONTINUOUS STUDS GARAGE GIRDER BEARING / ATTACHMENT REQUIRES 4 - CONTINUOUS STUDS GIRDER TRUSS BEARING / ATTACHMENT REQUIRES 4 - CONTINUOUS STUDS	LOCATION OF P.T. 6 X 6 COLUMNS - SEE PLAN VIEWS FOR LOCATIONS * A MINIMUM OF 3 - P.T. 6 X 6 COLUMNS ARE REQUIRED ALONG THE 18' LENGTH OF PORCH 1 - MODEL No. ABAG6 BY SIMPSON STRONG TIE OR EQUAL W/ 1 - 5/8" DIA. BOLT TO CONCRETE & 8 - 16d COM. NAILS TO COLUMN	

NOTES:
SEE ALSO FOUNDATION NOTES & REQUIREMENTS

CERTIFICATION:
THESE PLANS FOR THE ELSHOFF RESIDENCE WILL COMPLY WITH SECTION 1800 OF THE FLORIDA BUILDING CODE, 2007 EDITION FOR A 110 MPH WIND LOAD, 3 SECOND GUST, EXPOSURE B, WITH THE INTERNAL PRESSURE OF + 0.18 AND - 0.18 INCLUDED IN THESE LOADS. INTERIOR FOOTINGS, BEARING POINTS OR INTERIOR STRUCTURAL NOT A PART OF THIS WIND LOAD CERTIFICATION.

COMPONENTS/CLADDING ROOF = - 42.02 PSF
+ 12.53 PSF
COMPONENTS/CLADDING WALLS = - 18.60 PSF
+ 12.53 PSF

CURTIS E. KEEN, PE #23836

Curtis E. Keen 1/10/11

PROJECT No.
ELSHOFF-S1.0.0.DWG
SHEET No.
S1.0.0
DATE
01/05/11

REFERENCED FOUNDATION REQUIREMENTS & INSTRUCTIONS
© 2011 KEEN ENGINEERING & SURVEYING, INC.

Curtis E. Keen, PE #23836
Certification of Authorization #3761
DATE:

ELSHOFF RESIDENCE
COLUMBIA COUNTY, FLORIDA

KEEN ENGINEERING & SURVEYING, INC.
9263 CR 417
OAK, FLORIDA 32060
386-362-4787
ENG. LIC. EB 3761

CONCRETE & RELATED REQUIREMENTS

1. CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318," & "MANUAL CONCRETE PRACTICE, PART 1 ACI 305 & ACI 306," & MANUAL OF CONCRETE PRACTICE, PART 1 ACI 305 & 306" LATEST EDITION
 2. CEMENT FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C 150
 3. AGGREGATES FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C 33
 4. WATER FOR CONCRETE SHALL BE POTABLE WATER.
 5. OPTIONAL: TEST CONCRETE FOR COMPRESSION WITH 1 SET OF 3 CYLINDERS FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED ON A GIVEN DAY. BREAK 1 CYLINDER @ 7 DAYS AND THE OTHERS @ 28 DAYS. TESTING WILL BE PAID FOR BY OWNER.
 6. CONCRETE SHALL HAVE STRENGTHS AND CHARACTERISTICS AS INDICATED ELSEWHERE THESE PLANS
 7. SAWED JOINTS MUST BE SAWED WITHIN 24 HOURS OF PLACEMENT OF CONCRETE
 8. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615 GR 60 UNLESS OTHERWISE NOTED
 9. NOT USED
 10. NOT USED
 11. SLAB REINFORCING SWHALLBE IN TOP 1/2 OF SLAB OR AS ILLUSTRATED
 12. VIBRATE OR SCREEN ALL CONCRETE THOROUGHLY INTO PLACE
 13. MINIMUM COVER OF REINFORCEMENT SHALL BE AS REQUIRED BY CODE
 14. MOST CURE CONCRETE FOR 7 DAYS AFTER PLACING
 15. PROVIDE VAPOR BARRIER OF POLYETHYLENE UNDER SLAB(S)
 16. PLACE CONTROL JOINTS IN SLAB TO PROVIDE MAXIMUM SLAB SIZE OF 600 SQUARE FEET
 17. CONCRETE TEMPERATURE SHALL NOT EXCEED 90 DEGREES F DURING PLACEMENT
 18. CONCRETE SHALL BE PLACED IN A MANNER TO PREVENT SEGREGATION
 19. CONCRETE SHALL NOT BE ALLOWED TO FREE FALL MORE THAN 60 INCHES
 20. AREAS TO RECEIVE CONCRETE SHALL BE CLEAR OF ANY DEBRIS AND SHALL HAVE REINFORCING STEEL PROPERLY POSITIONED PRIOR TO CONCRETE PLACEMENT
 21. FOR LOCATION OF CONTROL OR CONSTRUCTION JOINTS OTHER THAN THOSE ILLUSTRATED VERIFY W/ ENGINEER
 22. NOT USED
 23. ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A 307
 24. ANCHOR BOLTS AND DOWELS SHALL BE SET IN SUCH A MANNER THAT THEIR FULL EMBEDDED LENGTH SHALL BE COVERED WITH CONCRETE
 25. LAP SPLICES SHALL BE 40 BAR DIAMETERS OR AS SHOWN OR NOTED ELSEWHERE THESE PLANS
 26. DETAILING, FABRICATION AND PLACEMENT OF REINFORCEMENT STEEL SHALL CONFORM TO CURRENT CRSI AND ACI SPECIFICATIONS
 27. REINFORCING STEEL SHALL BE FREE OF LOOSE RUST, MIL SCALE AND COATINGS THAT WOULD REDUCE OR DESTROY BOND
 28. REINFORCING BARS SHALL NOT BE REDUCED IN SECTION, KINKED OR BENT OTHER THAN INDICATED
 29. NOT USED
 30. SUPPORT REINFORCING STEEL IN CHAIRS
 31. KEEP ONE SET OF CONCRETE CYLINDERS ON SITE AT ALL TIMES TO MAKE SAMPLES IN CASE CONCRETE CHARACTER CHANGES
- REINFORCING STEEL
1. REINFORCING STEEL SHALL BE #5 UNLESS OTHERWISE NOTED
 2. ALL REINFORCING STEEL SHALL BE A MINIMUM OF GRADE 40 AND IDENTIFIED IN ACCORDANCE W/ ASTM A615, A616, A617 OR A 706
 3. SPLICES SHALL BE LAP SPLICES W/ A MINIMUM OF 25" FOR #5 BARS
 4. FOR MINIMUM COVER OVER REINFORCEMENT - SEE DETAILS & SECTIONS ELSEWHERE THESE PLANS
 5. ALL REINFORCEMENT IN CMU'S SHALL EXTEND A MINIMUM OF 6" INTO ALL FOOTINGS W/ A 6" STANDARD BEND
- METAL ACCESSORIES
1. ALL JOINT REINFORCEMENT & ANCHOR TIES SHALL CONFORM TO ASTM A36 & A366 AS REQUIRED
 2. LONGITUDINAL WIRES OF JOINT REINFORCEMENT SHALL BE FULLY EMBEDDED IN MORTAR OR GROUT W/ A MINIMUM COVER OF 5/8" WHEN EXPOSED TO EARTH OR WEATHER AND A MINIMUM OF 1/2" WHEN NOT EXPOSED TO EARTH OR WEATHER
 3. METAL ACCESSORIES USED IN EXTERIOR WALL CONSTRUCTION SHALLBE GALVANIZED IN ACCORDANCE W/ ASTM A153 CLASS B-2
 4. METAL ACCESSORIES USED IN INTERIOR WALL CONSTRUCTION SHALL BE MILL GALVANIZED IN ACCORDANCE W/ ASTM A641, CLASS 1
- FILL COMPACTION
1. PRIOR TO GRADING OPERATIONS ALL SOIL, ORGANIC LITTER AND FILL SHALL BE STRIPPED FROM BUILDING AREA
 2. COMPACTION SHALL NOT BE LESS THAN 98% OF THE STANDARD PROCTOR DENSITY
 3. ALL FILL MATERIAL SHALL BE INORGANIC W/ NOT MORE THAN 30% BY WEIGHT FINER THAN 200 U.S. STANDARD SIEVE CONFORMING TO A. LIQUID LIMIT, LW.....30 MAXIMUM
B. ELASTICITY, LW.....15, MAXIMUM
C. DRY UNIT WEIGHT.....100 LBS. PER CU. FT.
 4. ALL FILL MATERIAL SHALL BE UNIFORMITY PLACED @ OPTIMUM MOISTURE CONTENT IN 6" UNIFORM LAYERS AND COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR IN ACCORDANCE W/ ASTM D698T
 5. FOOTINGS EXCAVATIONS SHALL BE INSPECTED PRIOR TO PLACING ANY CONCRETE TO ENSURE THAT FOOTINGS REST UPON SOUND EARTH
 6. ALL SUBGRADES MUST BE LEVEL, SMOOTH AND UNIFORMLY COMPACTED
 7. SUB GRADE MUST BE ACCURATE WITHING 1/4" OF THE DESIGNATED LEVEL
 8. ANY WALL WHICH IS TO RECEIVE BACK FILL ON BOTH SIDES SHALL HAVE THE BACK FILL PLACED SIMULTANEOUSLY ON BOTH SIDES IN EVEN LAYERS AS PREVIOUSLY DESCRIBED SO AS NOT TO APPLY UNEVEN LOADS
- GENERAL
1. FOOTINGS SHALL BE LEVEL OR STEPPED AS INDICATED ON PLAN VIEWS & DETAILS OR SECTIONS
 2. SOIL, WASTE PIPES OR BUILDING DRAINS PASSING UNDER A FOOTING OR THROUGH A FOUNDATION SHALL BE PROVIDED W/ A RELIEVING ARCH OR AN IRON PIPE SLEEVE A MINIMUM OF 2 - PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH
 3. STEM WALLS SHALL EXTEND NO GREATER THAN 3 FEET ABOVE THE FINISH GRADE AND CONSTRUCTED W/ THE PREVIOUSLY DESCRIBED MASONRY UNITS
 4. ALL STATE AND LOCAL CODES SHALL BE COMPLIED WITH BY THE CONTRACTOR
 5. 2,000 P.S.F. SOIL BEARING PRESSURE SHALL BE OBTAINED UNDER ALL FOOTINGS & SLABS

[illegible]

2 - 2 X 12 No. 2 S.Y.P. W/
1 - 15/32" CDX SHEATHING

2 3/4"

12" O.C.
STAGGERED

2 3/4"

12" O.C.
STAGGERED

2 - 2 X 12 No. 2 S.Y.P. W/
1 - 15/32" CDX SHEATHING

NAILED W/ 16d COMMON NAILS
@ 12" O.C., STAGGERED EA. SIDE

4 1/2"
TYP. ALL HEADERS

END OF MEMBER

1 - MODEL No. SP4 BY SIMPSON STRONG-TIE OR EQUAL STUD TO PLATE(S) CONNECTIONS, ALL PLATE SPLICES & 32" O.C., TO ALIGN W/ DEVICE @ BOT. OF ALL EXTERIOR WALLS

2 - 2 X 4 TOP PLATES

3 - 10d COMMON NAILS EACH SIDE OF STUD

2 X 4 SPRUCE STUD

2 X 4 SPRUCE STUDS @ 16" O.C.

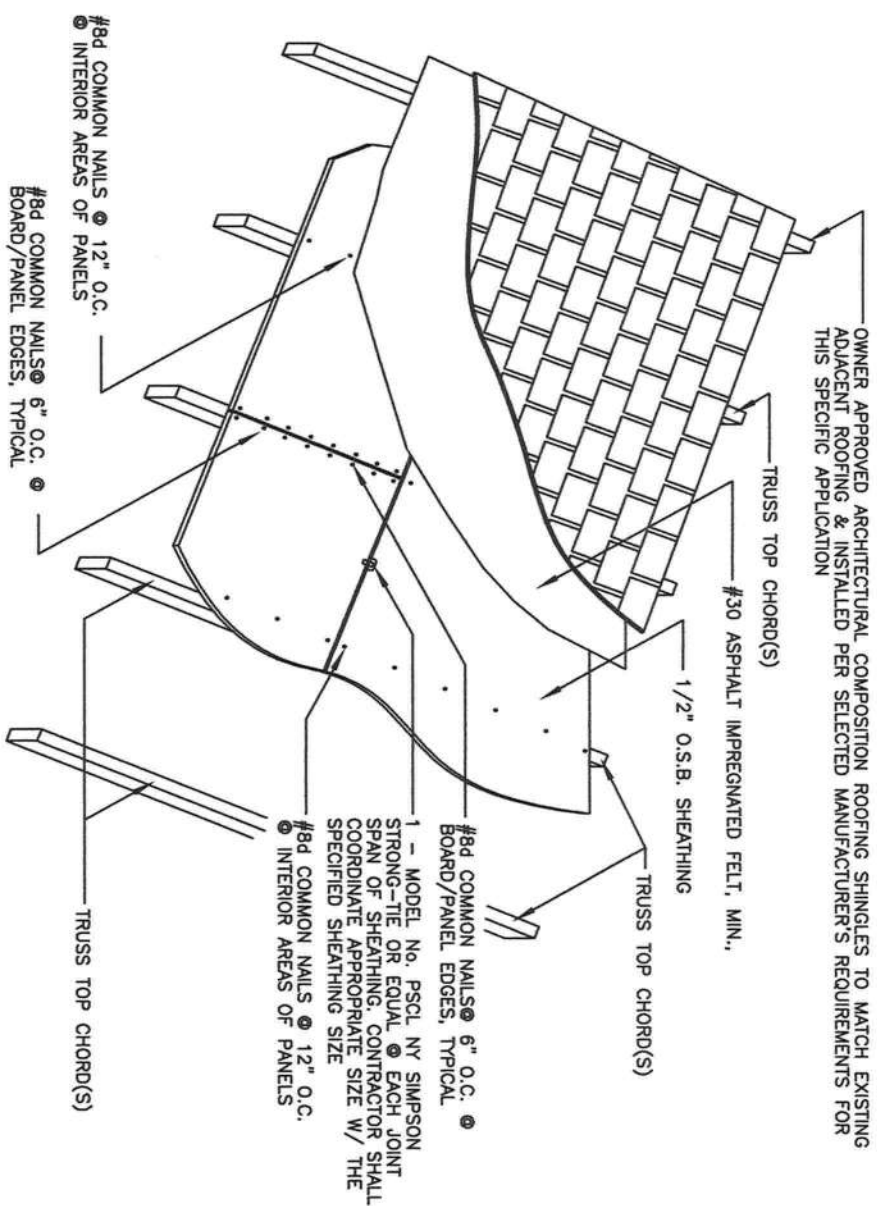
1/2" GYPSUM BOARD INTERIOR (MIN. REQUIRED)

7/16" O.S.B. SHEATHING

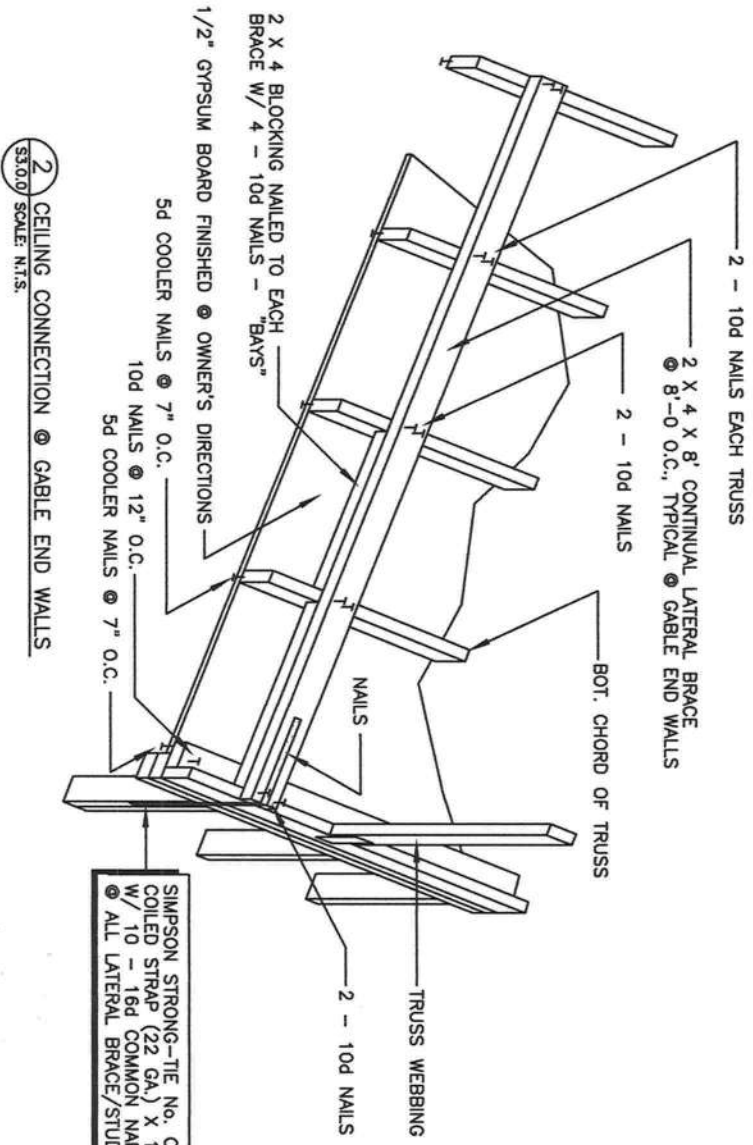
NOTE: GYPSUM BOARD IS TO BE INSTALLED W/ 5d (COOLER) NAILS @ 7" O.C. @ EDGES OF PANEL & INTERIOR AREAS OF PANEL(S). 1 1/4" TYPE W, #6 DRYWALL SCREWS MAY BE SUBSTITUTED FOR NAILS @ THE PREVIOUSLY DESCRIBED SPACING(S) FOR NAILS.

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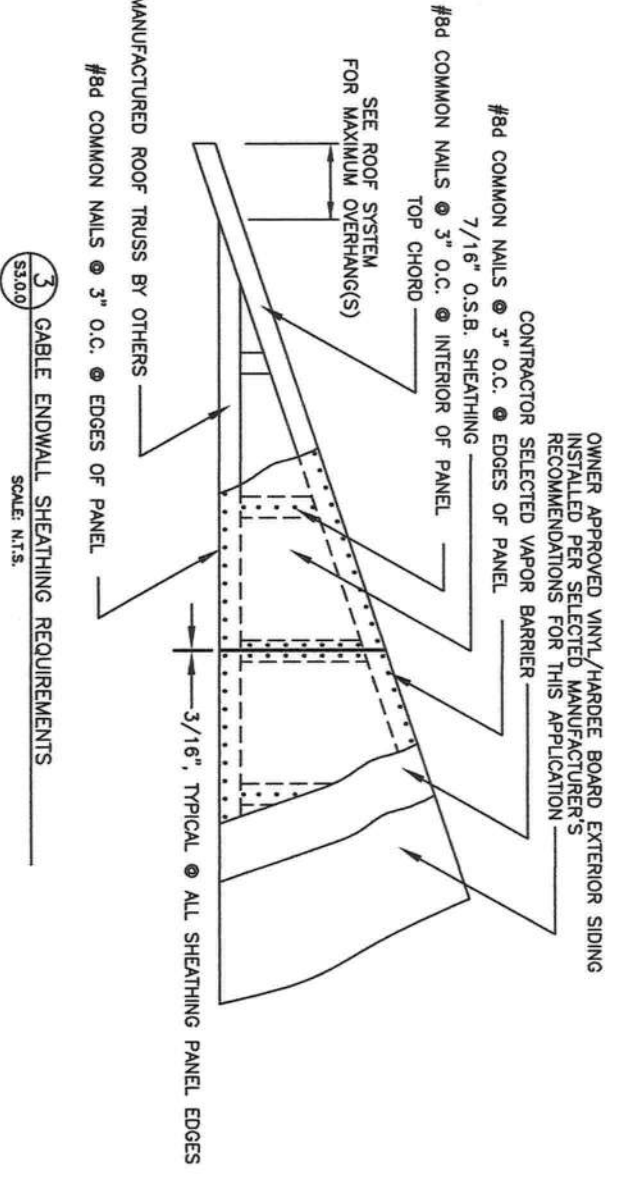
OWNER APPROVED ARCHITECTURAL COMPOSITION ROOFING SHINGLES TO MATCH EXISTING ADJACENT ROOFING & INSTALLED PER SELECTED MANUFACTURER'S REQUIREMENTS FOR THIS SPECIFIC APPLICATION



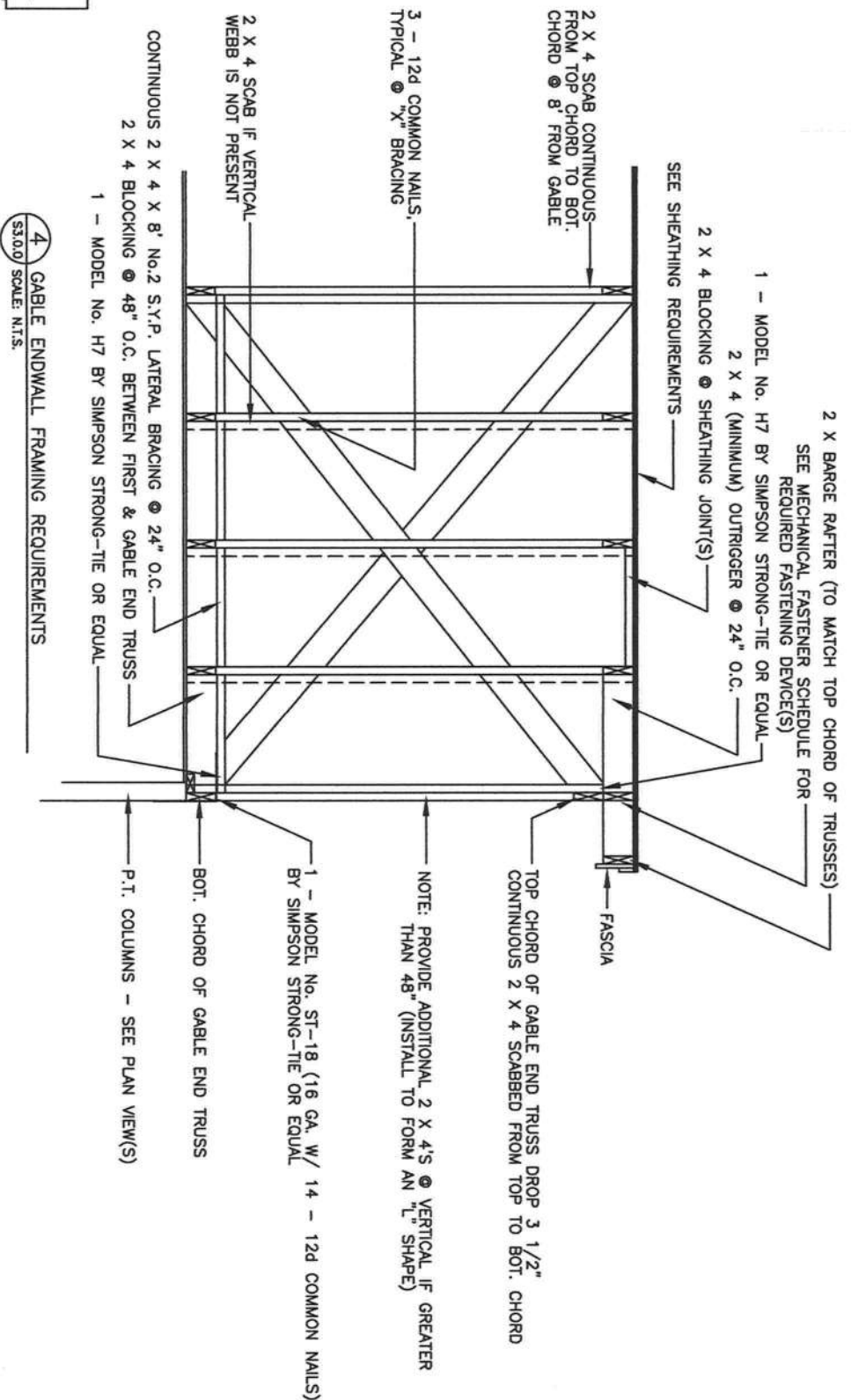
1 ROOFING & SHEATHING CONNECTIONS TO TRUSSES
S3.00 SCALE: N.T.S.



2 CEILING CONNECTION & GABLE END WALLS
S3.00 SCALE: N.T.S.



3 GABLE ENDWALL SHEATHING REQUIREMENTS
S3.00 SCALE: N.T.S.



4 GABLE ENDWALL FRAMING REQUIREMENTS
S3.00 SCALE: N.T.S.

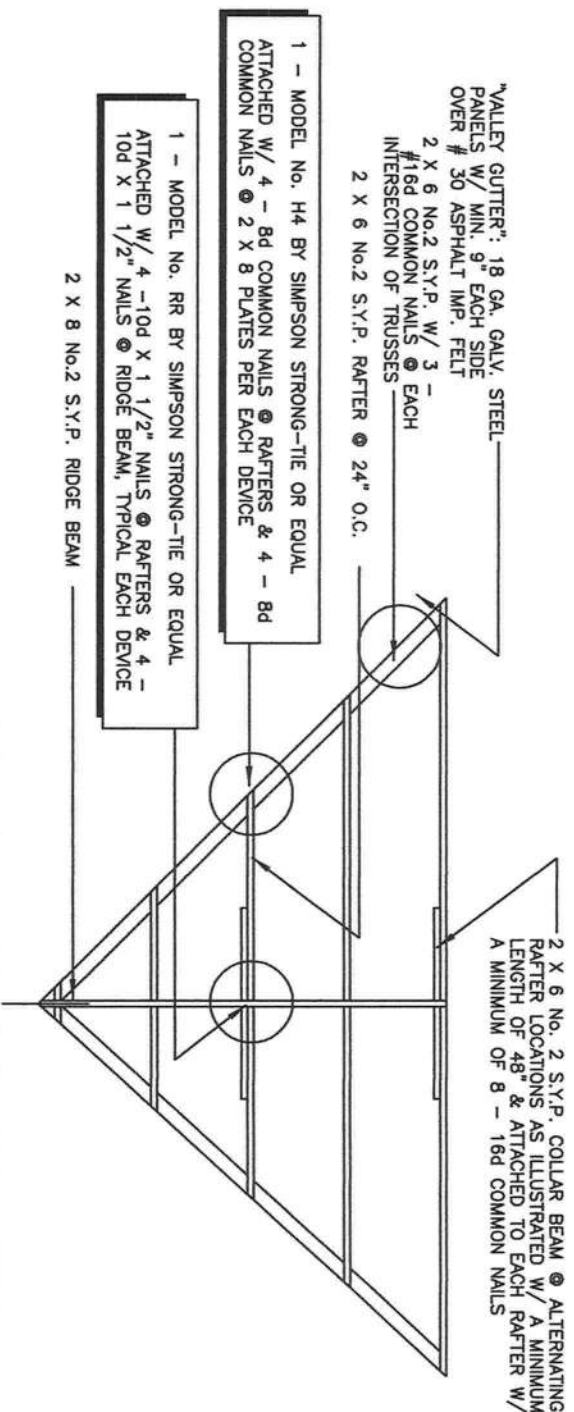
PROJECT No.
ELSHOFF-S3.0.0.DWG
SHEET No.
S3.0.0
DATE
01/05/11

REFERENCED ROOF SECTIONS & DETAILS
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Curtis E. Keen
Curtis E. Keen, PE #23836
Certification of Authorization #3761
DATE: 1/6/11

ELSHOFF RESIDENCE
COLUMBIA COUNTY, FLORIDA

KEEN ENGINEERING & SURVEYING, INC.
LIVE OAK, FLORIDA 32060
9263 CR 417
386-362-4787
ENG. LIC. EB 3761



NOTE: 2 X 6 SOLID BRIDGING @ MIDPOINT(S) NOT ILLUSTRATED

1 VALLEY SET DETAIL: PORCH AREA
S3.10 SCALE: N.T.S.

THE FOLLOWING SCHEDULE(S) IS FOR WIND LOAD RELATED STRUCTURAL ELEMENTS & DEVICES FOR EXTERIOR WALLS ONLY. REQUIRED INTERIOR STRUCTURAL ELEMENTS, TECHNIQUES OF CONSTRUCTION & DEVICES ARE NOT ADDRESSED BY THE ENGINEER.

SCHEDULE OF REQUIRED ROOF SYSTEM MECHANICAL FASTENERS

No.	REFER TO ROOF TRUSS SYSTEM BY ANDERSON TRUSS COMPANY No. 10-239 - SEE LAYOUT BY MANUFACTURER
A AGE AM AM1 AM2	LOCATION OF MANUFACTURED ROOF TRUSS TYPE A, AGE, AM, AM1, AM2: 1 - PLY ROOF TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR WALL TOP HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR HEADER OR GIRDER CONNECTIONS W/ 8 - 8d COMMON NAILS
AS	LOCATION OF MANUFACTURED ROOF TRUSS TYPE "AS": 1 - PLY ROOF TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR WALL TOP HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR GIRDER CONNECTIONS W/ 8 - 8d COMMON NAILS
ASGE	LOCATION OF MANUFACTURED ROOF TRUSS TYPE ASGE: 1 - PLY ROOF GIRDER TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO TOP PLATES/HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES/HEADER/ OR GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS
ASG	LOCATION OF MANUFACTURED ROOF TRUSS TYPE ASG: 2 - PLY ROOF GIRDER TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO TOP PLATES/HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES/HEADER/ OR GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS
B BGE BA	LOCATION OF MANUFACTURED ROOF TRUSS TYPE B, BGE & BA: 1 - PLY ROOF TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR WALL TOP HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR GIRDER CONNECTIONS W/ 8 - 8d COMMON NAILS
C CA C1 CGE CAGE	LOCATION OF MANUFACTURED ROOF TRUSS TYPE C, CA, C1, CGE & CAGE: 1 - PLY ROOF TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR WALL TOP HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR GIRDER CONNECTIONS W/ 8 - 8d COMMON NAILS
CG	LOCATION OF MANUFACTURED ROOF TRUSS TYPE CG: 3 - PLY ROOF GIRDER TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS EXTERIOR WALL TOP PLATES HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS

SCHEDULE OF REQUIRED ROOF SYSTEM MECHANICAL FASTENERS

No.	REFER TO ROOF TRUSS SYSTEM BY ANDERSON TRUSS COMPANY No. 10-239 - SEE LAYOUT BY MANUFACTURER
CG1	LOCATION OF MANUFACTURED ROOF TRUSS TYPE CG: 3 - PLY ROOF GIRDER TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR WALL TOP PLATES HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS
D DGE D1	LOCATION OF MANUFACTURED ROOF TRUSS TYPE D, DGE & D1: 1 - PLY ROOF TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR WALL TOP PLATES HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS
F F1	DEVICES / CONNECTION @ TRUSSES F & F1 ARE NOT ADDRESSED BY THIS ENGINEER
M	LOCATION OF MANUFACTURED ROOF TRUSS TYPE M: 1 - PLY ROOF TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR WALL TOP PLATES HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS
EXTERIOR FRONT PORCH GIRDER	LOCATION OF BUILT-UP FRONT PORCH ROOF GIRDER: SEE PLAN VIEWS BY OTHERS 2-PLY BUILT-UP ROOF GIRDER SHALL BE 2 - P.T. 2 X 6 No. 2 S.Y. W/ 1 - 15/32" CDX CORE SEE DETAILS & REQUIREMENTS ELSEWHERE THESE PLANS 1 - MODEL No. PC46 OR EPC46 BY SIMPSON STRONG-TIE OR EQUAL @ EACH COLUMN TOP TO BUILT-UP PORCH GIRDER CONNECTION - ATTACH W/ A TOTAL OF 16 - 16d COMMON NAILS TO GIRDER & COLUMN TOP 1 - MODEL No. H148 MIN BY SIMPSON STRONG-TIE OR EQUAL @ END OF ABOVE GIRDER TO BUILDING SIDEWALL A MINIMUM OF 4 - CONTINUOUS STUDS SHALL BE USED FOR BEARING/ATTACHMENT
COLUMNS	LOCATION OF P.T. 4 X 6 COLUMNS: SEE PLAN VIEW/LAYOUT FOR LOCATIONS - 3 - MINIMUM REQUIRED SEE ABOVE GIRDER & LOCATIONS FOR REQUIRED DEVICE(S)
AP APGE AMP BP BPGE TS TG	LOCATION OF MANUFACTURED ROOF TRUSS TYPE AP, APGE, AMP, BP, BPGE, TS & TG: 1 - PLY ROOF TRUSS 1 - MODEL No. H4 BY SIMPSON STRONG-TIE OR EQUAL @ EACH BEARING POINT OF TRUSS TO EXTERIOR WALL TOP PLATES HEADER OR GIRDER CONNECTIONS - ATTACH DEVICE TO TRUSS W/ 4 - 8d COMMON NAILS - ATTACH DEVICE TO TOP PLATES OR GIRDER CONNECTIONS W/ 4 - 8d COMMON NAILS

NOTES: SEE DETAILS ELSEWHERE THESE PLANS FOR ADDITIONAL REQUIREMENTS NOT LISTED HERE

PROJECT No.
ELSHOFF-S3.1.0.DWG
SHEET No.
S3.1.0
DATE
01/05/11
REFERENCED ROOF SECTIONS & DETAILS
REFERENCED ROOF NOTES, REFERENCES & INSTRUCTIONS
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Curtis E. Keen, PE #23836
Certification of Authorization #3761
DATE: 1/02/11

ELSHOFF RESIDENCE
COLUMBIA COUNTY, FLORIDA

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