

DATE 05/29/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027840

APPLICANT MICHAEL BLAKLEY PHONE 755-5515
ADDRESS 402 SE NEIGHBORS CT LAKE CITY FL 32025
OWNER MICHAEL BLAKLEY PHONE 755-5515
ADDRESS 402 SE NEIGHBORS CT LAKE CITY FL 32025
CONTRACTOR OWNER BUILDER PHONE
LOCATION OF PROPERTY 441S, TL ON CR 252, TR NEIGHBORS CT., HOUSE AT THE END

TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 29050.00
HEATED FLOOR AREA 444.00 TOTAL AREA 581.00 HEIGHT STORIES
FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 16-4S-17-08384-002 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 1.00

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 08-448 BK RJ N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE,

Check # or Cash 144

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 \$ 150.00 CERTIFICATION FEE \$ 2.91 SURCHARGE FEE \$ 2.91
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 230.82

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

For Office Use Only Application # 0905-31 Date Received 5/18/09 By G Permit # 27840 ✓
 Zoning Official BLK Date 29.05.09 Flood Zone X Land Use Res. Low Density Zoning RSF-2
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner RP Date 5/21/09
 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 _____
 School _____ = TOTAL Suspended

Septic Permit No. 08-0448E Fax _____
 Name Authorized Person Signing Permit Michael Blakley Phone _____
 Address Same
 Owners Name Michael Blakley Phone 755-5515
 911 Address 402 SE Neighbors CT. Lake City FL 32025
 Contractors Name Owner Build Phone _____
 Address _____
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address NA
 Mortgage Lenders Name & Address NA
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy
 Property ID Number 10-45-17-08384-000 HX Estimated Cost of Construction \$20,000.00
 Subdivision Name NA Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions " " " US 441 South to CR 252. Turn Left @
Red light go 1 mile to Neighbors CT. House @ the end of lane.
 Number of Existing Dwellings on Property 1

Construction of Addition to SFD Total Acreage 1 Lot Size _____
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____
 Actual Distance of Structure from Property Lines - Front 50' Side 40' 9" Side 90' Rear 111'
 Number of Stories 1 Heated Floor Area 444.5 Total Floor Area 581.9 Roof Pitch 4/12

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.

left message 5/29

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.

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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Michael Blakley
Owners Signature

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

Contractor's Signature (Permitee)

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

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

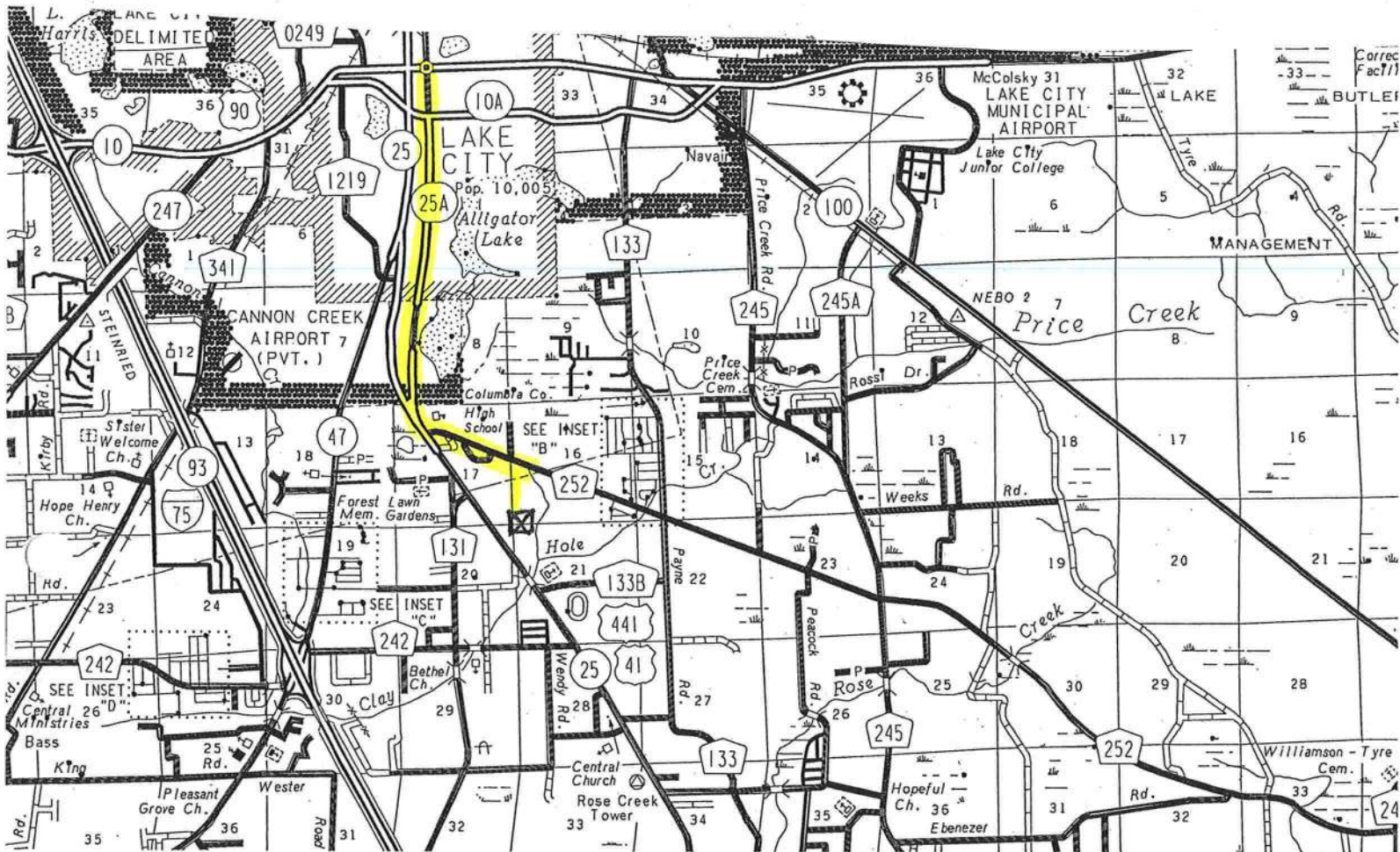
Personally known _____ or Produced Identification _____

State of Florida Notary Signature (For the Contractor)

SEAL:

MICHAEL BLAKLEY
402 SE NEIGHBORS CT.
LAKE CITY FL. 32025

PHONE# 755-5515



FROM DISTRICT OFFICE TURN LEFT
SOUTH ON US 441. TURN LEFT AT JUNCTION
WITH US 41 SOUTH TO CR 252. TURN LEFT
ON CR 252 GO 1 MILE TO SE NEIGHBORS CT
ON RIGHT.



COLUMBIA COUNTY BUILDING DEPARTMENT

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

NOTARIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

☒ Single Family Dwelling

☐ Two-Family Residence

☐ Farm Outbuilding

☐ Other _____

☒ Addition, Alteration, Modification or other Improvement

Michael Blakley, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Michael Blakley
Owner Builder Signature

4/27/09
Date

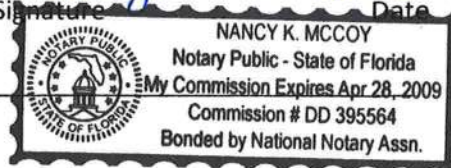
FLORIDA NOTARY

The above signer is personally known to me or produced identification _____

Notary Signature

Nancy K. McCoy

Date 4/27/09



FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date _____ Building Official/Representative _____

THIS INSTRUMENT WAS PREPARED BY:

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

RETURN TO:

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

Grantee #1 S.S. No. _____

Grantee #2 S.S. No. _____

Property Appraiser's
Parcel Identification No.
16-4s-_____ (Parent)

FILE NUMBER 96-7861
FILED AND RECORDED IN THE OFFICIAL RECORDS
OF COLUMBIA COUNTY, FLORIDA
6-5-1996 12:20 P.M.
RECORDED
Blakley
BY MCK

WARRANTY DEED

OFFICIAL RECORDS
BOOK 822 PAGE 2337

THIS INDENTURE, made this 3rd day of June, 1996, BETWEEN Wesley Hancock and his wife Norma Jean Hancock, whose post office address is Route 6 Box 437, Lake City, FL 32055, of the County of Columbia, State of Florida, grantor*, and Michael B. Blakley and his wife Millissa L. Blakley, whose post office address is Route 8 Box 426-M, Lake City, Florida 32055, of the County of Columbia, State of Florida, grantee*.

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

Section 16, Township 4 South, Range 17 East

A part of the SW 1/4 of Section 16, Township 4 South, Range 17 East, more particularly described as follows: Commence at the Northwest corner of the said SW 1/4 and run S 0°35'35" E along the West line thereof, 982.0 feet; thence S 89°39'32" E, 210.0 feet for a POINT OF BEGINNING, Thence continue S 89°39'32" E, 210.0 feet; thence S 0°35'35" E parallel with the West line of the said SW 1/4, 210.0 feet; thence N 89°39'32" W, 210.0 feet; thence N 0°35'35" W, 210 feet to the POINT OF BEGINNING. Columbia County, Florida

Together with the right of ingress and egress over and across a 30 foot wide strip of land lying to the left of the following described line: Begin at a point on the South Right-of-Way of County Road #252 which lies 210 feet Easterly as measured along said Right-of-Way from the West line of said Section 16 and Run S 0°35'35" E parallel with the said West line of Section 16, 210 feet; thence Northwesterly parallel with the said South Right-of-Way, 210 feet; thence S 0°35'35" E along said West line, 890.25 feet; thence S 89°39'32" E, 420.0 feet to the point of termination of said easement

RECORDED IN THE
OFFICIAL RECORDS
OF COLUMBIA COUNTY
BY MCK 176

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

[Signature]
(First Witness)

Terry McDavid
Printed Name

[Signature] (SEAL)
Grantor

Wesley Hancock
Printed Name

[Signature]
(Second Witness)

Lisa C. Ogburn
Printed Name

[Signature] (SEAL)
Grantor

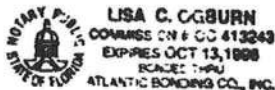
Norma Jean Hancock
Printed Name

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 3rd day of June, 1996, by Wesley Hancock and his wife, Norma Jean Hancock, who is/are personally known to me or who has/have produced as identification and who did not take an oath.

My Commission Expires:

[Signature]
Notary Public
Printed, typed, or stamped name:



OFFICIAL RECORDS
BOOK 822 PAGE 2338



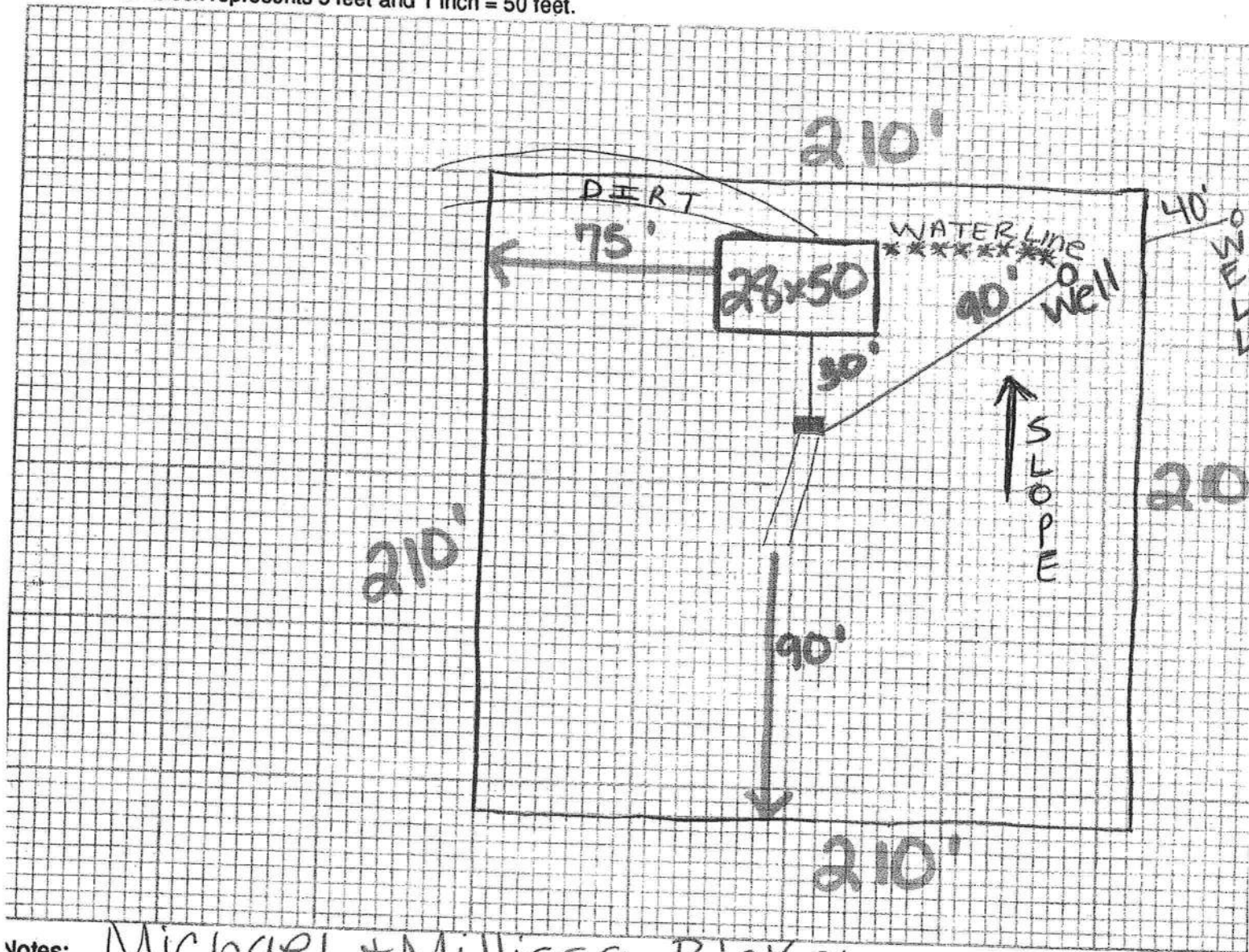
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 080448E

PART II - SITE PLAN

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



Votes: Michael + Millissa Blakely

Site Plan submitted by: Ford's Septic- RC Ford

Signature

MASTER

Title

Plan Approved ☒

Not Approved ☐

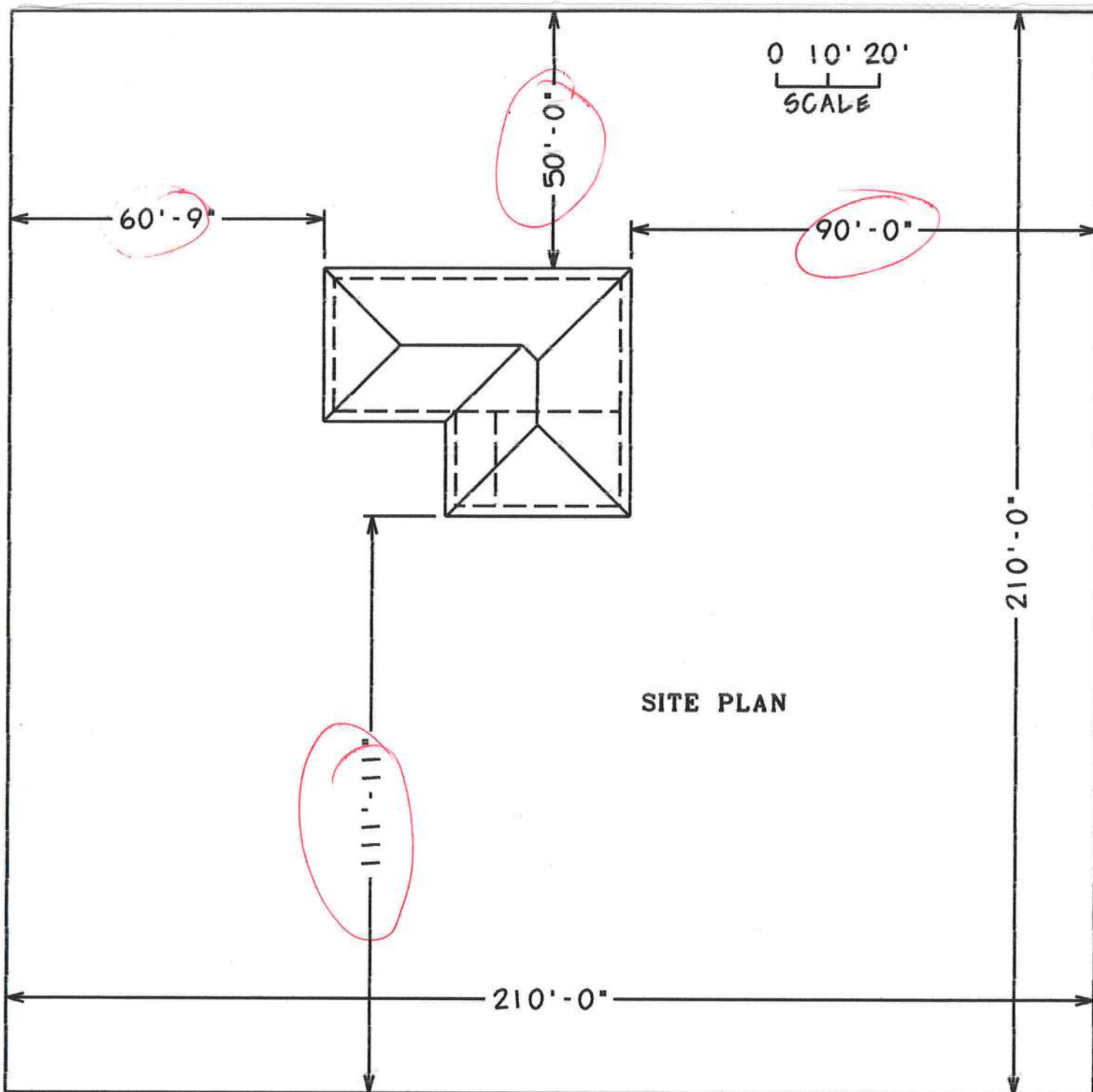
Date 6-30-08

by mm + 2n

Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 16-45-17-08384-002 HX

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description):

a) Street (job) Address: 402 SE Neighbors Ct. Lake City FL 32025

2. General description of improvements: Addition

3. Owner Information

a) Name and address: Michael + Millissa Blakley

b) Name and address of fee simple titleholder (if other than owner)

c) Interest in property

4. Contractor Information

a) Name and address: Owner Builder - Michael Blakley

b) Telephone No.: 755-5515 Fax No. (Opt.)

5. Surety Information

a) Name and address: NA

b) Amount of Bond:

c) Telephone No.: Fax No. (Opt.)

6. Lender

a) Name and address: NA

b) Phone No.

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:

a) Name and address:

b) Telephone No.: Fax No. (Opt.)

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:

a) Name and address:

b) Telephone No.: Fax No. (Opt.)

9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Michael Blakley
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Michael Blakley
Print Name

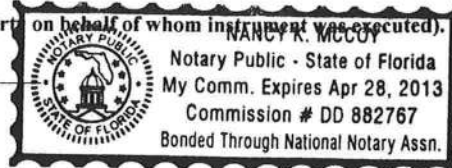
The foregoing instrument was acknowledged before me, a Florida Notary, this 19th day of May, 2009, by:

as (type of authority, e.g. officer, trustee, attorney

fact) for (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification Type

Notary Signature Nancy K. McCoy Notary Stamp or Seal:



—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Michael Blakley
Signature of Natural Person Signing (in line #10 above.)

FORM 1100B-07	FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION Residential Component Prescriptive Method B	NORTH 1 2 3
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Compliance with Method B of Chapter 11 of the Florida Building Code, Residential may be demonstrated by the use of Form 1100B for single- and multiple-family residences of three stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptives listed in this form. An alternative method is provided for additions of 600 square feet or less by use of Form 1100C. If a building does not comply with this method, it may still comply under other sections in Chapter 11 of the code.

PROJECT NAME: <u>BLAKLEY</u> AND ADDRESS: <u>402 SE NEIGHBORS</u> <u>CT LAKE CITY</u>	BUILDER: <u>MICHAEL BLAKLEY</u> PERMITTING OFFICE: <u>COLUMBIA CO</u>	CLIMATE ZONE: 1 ☐ 2 ☐ 3 ☒ 4 OWNER: <u>MICHAEL & AYLISSA BLAKLEY</u> PERMIT NO.: <u>27840</u> JURISDICTION NO.: <u>221000</u>
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1. New construction including additions which incorporate any of the following features cannot comply using this method: skylights or other nonvertical roof glass, glass area in excess of 16 percent of conditioned floor area, and electric resistance heat.
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 or addition	1. <u>ADDITION</u>	
2. Single-family detached or multiple-family attached	2. _____	
3. If multiple-family—No. of units covered by this submission	3. _____	
4. Is this a worst case? (yes/no)	4. _____	
5. Conditioned floor area (sq. ft.)	5. <u>444.5</u>	
6. Glass type and area:		
a. U-factor	6a. _____	
b. SHGC	6b. _____	
c. Glass area	6c. <u>41</u> sq. ft.	
7. Percentage of glass to floor area	7. <u>10</u> %	
8. Floor type, area or perimeter, and insulation:		
a. Slab-on-grade (R-value)	8a. R = _____ lin. ft.	
b. Wood, raised (R-value)	8b. R = _____ sq. ft.	
c. Wood, common (R-value)	8c. R = _____ sq. ft.	
d. Concrete, raised (R-value)	8d. R = _____ sq. ft.	
e. Concrete, common (R-value)	8e. R = _____ sq. ft.	
9. Wall type, area and insulation:		
a. Exterior:		
1. Masonry (Insulation R-value)	9a-1 R = _____ sq. ft.	
2. Wood frame (Insulation R-value)	9a-2 R = <u>13</u> sq. ft.	
b. Adjacent:		
1. Masonry (Insulation R-value)	9b-1 R = _____ sq. ft.	
2. Wood frame (Insulation R-value)	9b-2 R = _____ sq. ft.	
10. Ceiling type, area and insulation:		
a. Under attic (Insulation R-value)	10a. R = <u>30</u> sq. ft. <u>444.5</u>	
b. Single assembly (Insulation R-value)	10b. R = _____ sq. ft.	
11. Air distribution system: Duct insulation, location	11. R = _____	
12. Cooling system:		
a. Type: central, room unit, package terminal A.C., gas, none	12a. Type: <u>CENTRAL</u>	
	12b. SEER/EER: <u>15.0</u>	
	12c. Capacity: _____	
13. Heating system:		
a. Type: heat pump, elec. strip, nat. gas, LP-Gas, gas h.p., room or PTAC, none	13a. Type: <u>HEAT PUMP</u>	
	13b. HSPF/COP/AFUE: _____	
	13c. Capacity: _____	
14. Hot water system:		
a. Type: elec., nat. gas, LP-gas, solar, heat rec., ded. heat pump, other, none	14a. Type: <u>ELECTRIC</u>	
	14b. EF: <u>.90</u>	

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code. PREPARED BY: <u>GARY JOHNSON</u> DATE: <u>4-28-07</u> I hereby certify that this building is in compliance with the Florida Energy Code. OWNER AGENT: <u>MICHAEL BLAKLEY</u> DATE: <u>4-28-07</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: _____ DATE: _____
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TABLE 11B-1

MINIMUM REQUIREMENTS

Climate Zones 1 2 3

BUILDING COMPONENT	PERFORMANCE CRITERIA	INSTALLED VALUES:
Windows (see Note 2):	U-Factor = 0.75 SHGC = 0.40 % of CFA ≤ 16%	U-Factor = SHGC = % of CFA = 10
Exterior door type	Wood or insulated	Type: N/A
Walls – Ext. and Adj. (see Note 3):		
Frame	R-13	R-Value = 13
Mass		
Interior:	R-6	R-Value =
Exterior:	R-4	R-Value =
Ceilings (see Notes 3 & 4)	R=30	R-Value = 30
Floors: Slab-on-grade	No requirement	R-Value =
Over unconditioned spaces (see Note 3)	R-13	
Hot water systems (storage type)		
Electric (see Note 5):	40 gal: EF = 0.92 50 gal: EF = 0.90	Gallons = EF =
Natural gas (see Note 6):	40 gal: EF = 0.59 50 gal: EF = 0.58	Gallons = EF = EXISTING
Air conditioning systems (see Note 7)	SEER = 13.0	SEER = 15.0
Heat pump systems	SEER = HSPF =	SEER = 15.0 HSPF =
Natural gas furnaces	AFUE = 78%	AFUE =
Oil furnaces	AFUE = 78%	AFUE =
Ductwork:	Unconditioned: R-6 Conditioned: R-4.2	Location: R-Value = 6
Air Handler location:	Garage, Attic or Interior	Location: EXISTING

(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.

(3) R-Values are for insulation material only as applied in accordance manufacturers' installation instructions. For mass walls, the interior (Int) requirement must be met unless at least 50% of the insulation value is on the exterior (Ext) 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.ABC.3.2A of the Florida Building Code, Building, or Table N1107.ABC.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.ABC.3.2B of the Florida Building Code, Building, or Table N1107.ABC.3.2B of the Florida Building Code, Residential.

TABLE 11B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	N1106.ABC.1.2	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	N1106.ABC.1.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	N1106.ABC.1.2.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Recessed Lighting	N1106.ABC.1.2.4	Type IC rated with no penetrations (two alternatives allowed).	✓
Multistory Houses	N1106.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	N/A
Exhaust Fans	N1106.ABC.1.3	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	✓
Water Heaters	N1112.ABC.3	Comply with efficiency requirements in Table N1112.ABC.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.	N/A
Swimming Pools & Spas	N1112.ABC.2.3	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%.	N/A
Hot Water Pipes	N1112.ABC.5	Insulation is required for hot water circulating systems (including heat recovery units).	N/A
Shower Heads	N1112.ABC.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.ABC	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.ABC. Ducts in attics must be insulated to a minimum of R-6.	✓
HVAC Controls	N1107.ABC.2	Separate readily accessible manual or automatic thermostat for each system.	✓

WIND LOAD ANALYSIS REQUIREMENTS

(In Compliance with the 2007 Florida Building Code and Amendments)

Prepared For: Michael B. Blakley on 5/15/09

Prepared By: Jeff Johnson, P.E. # 61720
6374 E. CR240
Lake Butler, FL 32054

Wind load Data:

Analysis Method = FBC 1609.6 – Simplified Provisions for Low Rise Buildings
Basic Wind Speed = 110 mph
Importance Factor = 1.0
Exposure Category = B
Height and Exposure Adjustment Coefficient = 1.0
Residential Occupancy = Group R3
Mean Roof Height = 13.3 ft
Wall Height = 3 ft
Shear Wall Locations = Exterior walls
Roof Slope = 4:12

Jeff Johnson
5-15-09

Strapping and Anchor Requirements:

Truss to exterior walls:

- Anchor common and tier trusses with a Simpson model no. H10
- Anchor jack trusses with a Simpson model no. H2.5A.
- Anchor hip trusses with a Simpson model no. HCP.

Valley Trusses to existing roof:

- Anchor valley trusses with Simpson model no. VTC2 clips.

Truss to porch beams:

- Anchor common and tier trusses with a Simpson model H10.
- Anchor jack trusses with a Simpson model no. H2.5A.
- Anchor hip trusses with a Simpson model no. HCP.

Porch Column to beams:

- Install 2- Simpson model AC6 (Min) one on each beam to 6x6 post.

Porch Column to slabs:

- Install a Simpson model no. ABU66.

Exterior wall strap ties:

--- Install a Simpson model no. SP4 at the top and bottom of the wall 4' on center. Also install the same strap on each side of doors and windows 4' or less in width size. If larger than 4' wide, install two straps on each side of windows and doors.

NOTE: Equivalent capacity anchors may be substituted, installed in accordance with the Manufacturer's instructions.

Nailing Pattern Requirements:

Roof and wall sheathing:

--- A minimum of 7/16" Oriented Strand Board (OSB) nailed with 8d common nails 3" o.c. on the edges and 6" o.c. interior.

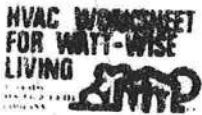
Foundation Requirements:

This is a stemwall foundation. The minimum size footer shall be 10"x 21" with 2- #5 rebar continuous. A hole shall be drilled into the existing footer and the #5 continuous rebar shall be epoxied a minimum of 6" into the existing footer using Simpson's high strength epoxy or equivalent. A #5 vertical rebar with a hook shall be placed in each corner and 4' on centers. All cells shall be filled with concrete. Anchor bolts (1/2") and washers (2") shall be installed approximately 7" from each corner, door, windows, and then 3' on centers.



RESIDENTIAL HEATING AND COOLING REQUIREMENTS*

Page 1



HEATING AND COOLING REQUIREMENTS DUE TO GLASS AREA

DESIGN TEMPERATURE DIFFERENCE				
30°	35°	40°	45°	50°

WINDOWS & GLASS DOORS	AREA SQUARE FEET	HEATING MULTIPLIER (CIRCLE ONE)					HEATING (BTUH LOSS)
		30°	35°	40°	45°	50°	
Glass Doors, Infiltration less than 1.0 CFM/FT							
Single Glass							
Double Glass		50	60	70	75	85	
Other Sliding Glass Doors		40	45	50	55	60	
Single Glass							
Double Glass		75	85	100	115	125	
Windows, Infiltration less than 0.50 CFM/FT		60	70	80	90	100	
Single Glass							
Double Glass		40	50	55	60	70	
Windows, Infiltration less than 0.75 CFM/FT	55	25	30	35	40	45	1925
Single Glass							
Double Glass		45	50	60	65	75	
Other Windows		30	35	40	45	50	
Single Glass							
Double Glass		75	90	105	115	130	
Fixed or Picture Windows		60	70	80	90	105	
Single Glass							
Double Glass		40	50	55	60	70	
Other		25	30	35	40	45	
Total BTUH Loss (Enter on Line 2, Page 2)							1925

WINDOWS & GLASS DOORS	AREA SQUARE FEET	COOLING MULTIPLIER (CIRCLE)												COOLING (BTUH GAIN)	
		SINGLE GLASS						DOUBLE GLASS							
		90°			95°			90°			95°				
		C	T	R	C	T	R	C	T	R	C	T	R		
No Shading															
N															
NE & NW		30	22	20	30	26	25	20	14	13	25	17	16		
E & W		60	41	36	65	45	41	50	29	24	50	32	27		
SE & SW		85	60	53	90	64	57	70	44	36	75	47	39		
S		75	51	45	80	55	50	60	37	30	65	40	33		
Draperies or Blinds		45	31	28	50	35	33	35	21	18	40	24	21		
N	30														
NE & NW		20	17	16	25	21	20	15	11	11	20	14	14	600	
E & W		35	33	30	40	37	34	30	22	21	35	25	24		
SE & SW	25	55	48	43	55	52	47	45	32	30	50	35	33	1250	
S		45	39	35	50	43	39	40	26	25	40	29	28		
Roller Shades		30	26	24	30	30	28	25	17	16	25	20	19		
N															
NE & NW		25	19	17	25	23	22	20	12	11	20	15	14		
E & W		45	36	32	50	40	37	40	26	22	45	29	25		
SE & SW		65	53	47	70	57	51	55	37	32	60	40	35		
S		55	44	39	60	48	44	50	32	27	50	35	30		
Awnings, Porches, Etc.		35	28	25	40	32	30	30	20	16	35	23	19		
All Directions															
Other		25	22	20	30	26	25	15	14	13	20	17	16		
Total BTUH Gain (Line 2, Page 2)															1850

*REFERENCE A.C.C.A. MANUAL "J"

(C - Clear T - Tinted R - Reflective)

TOTAL HEATING AND COOLING REQUIREMENTS

For:

Page 2

 Name: GARY JOHNSON BOUST
 Address: Blakley Residence
 City: _____

(V) Check Constr. Type	ITEM	AREA SQUARE FEET	DESIGN TEMPERATURE DIFFERENCE					HEATING (BTUH LOSS)	DESIGN TEMP		COOLING MULT. (CIRCLE)	COOLING (BTUH GAIN)
			30°	35°	40°	45°	50°		90°	95°		
	Gross Wall Area	488										
	Glass Area (From page 1)	55										
	Partitions, Frame							1925				1850
	Finished 1 side, No Insulation		17	19	22	25	28					
	Finished 2 sides, No Insulation		9	11	12	14	16		6.5	10.0		
	Finished 2 sides, R-5		4	5	5.5	6	7		4.5	6.0		
	Finished 2 sides, R-11		2	3	3	4	4		2.5	3.5		
	Other								2.0	2.5		
	Doors (Excluding glass)											
	No weatherstripping		135	160	180	200	225		10.0	13.0		
	Weatherstripped		70	85	95	110	120		10.0	13.0		
	R-5 Insulation, No weatherstripping		123	144	164	185	205		4.3	5.5		
	R-5 Insulation, weatherstripping		68	79	90	101	113		4.0	5.0		
	Other											
	Net Exterior Walls											
	CBS Furred, No Insulation		9	10	12	13	14		4.5	6.0		
	CBS Furred, R-3 Insulation		5	6	7	8	8		3.0	4.2		
	CBS Furred, R-4 Insulation		4	5	6	6	7		2.7	3.8		
	CBS Furred, R-5 Insulation		4	5	5	6	6		2.5	3.5		
	Frame, No Insulation		8	9	10	11	13		5.5	7.0		
	Frame, R-11 Insulation	433	2	2	3	3	4	1299	2.5	3.0		1299
	Frame, R-14 Insulation		1.5	1.7	2	2.5	3		2	2.8		
	Other											
	Ceiling under attic											
	No Insulation	Roof	18	21	24	27	30		9	7	10	8.5
	R-11 Insulation	DK LT	2.4	2.8	3.2	3.5	3.9		2.5	2	3	2.5
	R-19 Insulation	DK LT	1.5	1.7	1.9	2.2	2.4		1.5	1.5	2	1.5
	R-22 Insulation	DK LT	1.2	1.5	1.7	1.9	2.1		1.5	1.0	1.5	1.5
	R-26 Insulation	DK LT	1.1	1.3	1.4	1.6	1.8		1.3	1	1.5	1.2
	R-30 Insulation	DK LT	1	1.1	1.3	1.4	1.6	578	1.1	1.3	1.0	578
	Other											
	Floor, Concrete Slab											
	No Edge Insulation	Perimeter Ft.	35	40	40	45	45	2440	0	0		
	Other	61										
	Subtotal							6242				3727
	People @ 300 & Appl. @ 1200											600
	Sensible BTUH Gain											
	Duct BTUH Loss & Gain											
	2 In. Flex. or 1 In. Rigid							6242				4327
	1 1/2 In. Rigid				.10			624		.10		433
	Total BTUH Loss				.075					.075		
	Subtotal BTUH Gain							6866				
	x 1.3 = Total BTUH Gain											4760
												6188

Calculated Heating Requirements

6866

Size of Unit Chosen

% Oversized

% Undersized

BTUH

BTUH

Calculated Cooling Requirements

6188

Size of Unit Chosen

% Oversized

% Undersized

BTUH

BTUH

Location:

Project Name:

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

Category/Subcategory	Manufacturer	Product Description	Approval Number
A. EXTERIOR DOORS			FL 4242-A
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			FL 5108
2. Horizontal Slider			FL 5451
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-R
2. Soffits			FL 4899
3. EIFS		Unig siding DS	FL 4905
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			FL 3820-R1
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			FL 586-R2
2. Underlayments			FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			FL 4586.3
6. Modified Bitumen			
7. Single Ply Roofing Sys.			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			FL 1960-R1
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			FL 451-R1
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			FL 474-R1
2. Truss plates			
3. Engineered lumber			FL 1008-R1
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

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: ITRE8228Z0105080028

Truss Fabricator: Anderson Truss Company
Job Identification: 8-190--GARY JOHNSON Blackley -- , **
Truss Count: 17
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 8.07.
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: HCUSR8228

Details: CNNAILSP-VAL130-

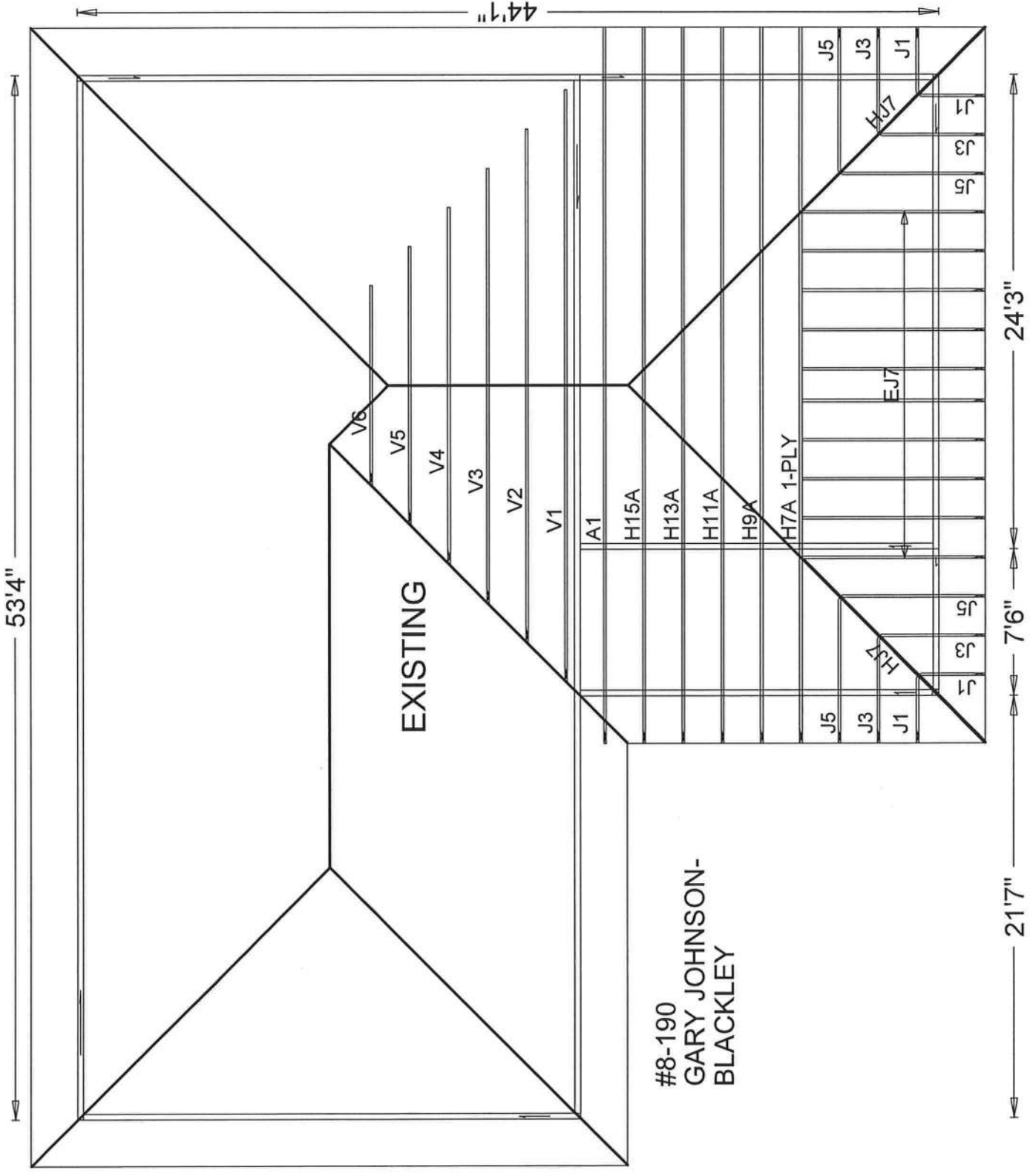


Seal Date: 05/05/2009

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

#	Ref	Description	Drawing#	Date
1	40900--H7A		09125007	05/05/09
2	40901--H9A		09125008	05/05/09
3	40902--H11A		09125009	05/05/09
4	40903--H13A		09125010	05/05/09
5	40904--H15A		09125011	05/05/09
6	40905--A1		09125012	05/05/09
7	40906--V1		09125001	05/05/09
8	40907--V2		09125002	05/05/09
9	40908--V3		09125003	05/05/09
10	40909--V4		09125004	05/05/09
11	40910--V5		09125005	05/05/09
12	40911--V6		09125006	05/05/09
13	40912--J1		09125013	05/05/09
14	40913--HJ7		09125014	05/05/09
15	40914--J3		09125015	05/05/09
16	40915--J5		09125016	05/05/09
17	40916--EJ7		09125017	05/05/09





#8-190
GARY JOHNSON-
BLACKLEY

JOB DESCRIPTION: GARY JOHNSON
/ Blackley

JOB NO:
8-190

PAGE NO:
1 OF 1

1951: 1952: 1953: 1954: 1955: 1956: 1957: 1958: 1959: 1960: 1961: 1962: 1963: 1964: 1965: 1966: 1967: 1968: 1969: 1970: 1971: 1972: 1973: 1974: 1975: 1976: 1977: 1978: 1979: 1980: 1981: 1982: 1983: 1984: 1985: 1986: 1987: 1988: 1989: 1990: 1991: 1992: 1993: 1994: 1995: 1996: 1997: 1998: 1999: 2000: 2001: 2002: 2003: 2004: 2005: 2006: 2007: 2008: 2009: 2010: 2011: 2012: 2013: 2014: 2015: 2016: 2017: 2018: 2019: 2020: 2021: 2022: 2023: 2024: 2025: 2026: 2027: 2028: 2029: 2030: 2031: 2032: 2033: 2034: 2035: 2036: 2037: 2038: 2039: 2040: 2041: 2042: 2043: 2044: 2045: 2046: 2047: 2048: 2049: 2050: 2051: 2052: 2053: 2054: 2055: 2056: 2057: 2058: 2059: 2060: 2061: 2062: 2063: 2064: 2065: 2066: 2067: 2068: 2069: 2070: 2071: 2072: 2073: 2074: 2075: 2076: 2077: 2078: 2079: 2080: 2081: 2082: 2083: 2084: 2085: 2086: 2087: 2088: 2089: 2090: 2091: 2092: 2093: 2094: 2095: 2096: 2097: 2098: 2099: 2100: 2101: 2102: 2103: 2104: 2105: 2106: 2107: 2108: 2109: 2110: 2111: 2112: 2113: 2114: 2115: 2116: 2117: 2118: 2119: 2120: 2121: 2122: 2123: 2124: 2125: 2126: 2127: 2128: 2129: 2130: 2131: 2132: 2133: 2134: 2135: 2136: 2137: 2138: 2139: 2140: 2141: 2142: 2143: 2144: 2145: 2146: 2147: 2148: 2149: 2150: 2151: 2152: 2153: 2154: 2155: 2156: 2157: 2158: 2159: 2160: 2161: 2162: 2163: 2164: 2165: 2166: 2167: 2168: 2169: 2170: 2171: 2172: 2173: 2174: 2175: 2176: 2177: 2178: 2179: 2180: 2181: 2182: 2183: 2184: 2185: 2186: 2187: 2188: 2189: 2190: 2191: 2192: 2193: 2194: 2195: 2196: 2197: 2198: 2199: 2200: 2201: 2202: 2203: 2204: 2205: 2206: 2207: 2208: 2209: 2210: 2211: 2212: 2213: 2214: 2215: 2216: 2217: 2218: 2219: 2220: 2221: 2222: 2223: 2224: 2225: 2226: 2227: 2228: 2229: 2230: 2231: 2232: 2233: 2234: 2235: 2236: 2237: 2238: 2239: 2240: 2241: 2242: 2243: 2244: 2245: 2246: 2247: 2248: 2249: 2250: 2251: 2252: 2253: 2254: 2255: 2256: 2257: 2258: 2259: 2260: 2261: 2262: 2263: 2264: 2265: 2266: 2267: 2268: 2269: 2270: 2271: 2272: 2273: 2274: 2275: 2276: 2277: 2278: 2279: 2280: 2281: 2282: 2283: 2284: 2285: 2286: 2287: 2288: 2289: 2290: 2291: 2292: 2293: 2294: 2295: 2296: 2297: 2298: 2299: 2300: 2301: 2302: 2303: 2304: 2305: 2306: 2307: 2308: 2309: 2310: 2311: 2312: 2313: 2314: 2315: 2316: 2317: 2318: 2319: 2320: 2321: 2322: 2323: 2324: 2325: 2326: 2327: 2328: 2329: 2330: 2331: 2332: 2333: 2334: 2335: 2336: 2337: 2338: 2339: 2340: 2341: 2342: 2343: 2344: 2345: 2346: 2347: 2348: 2349: 2350: 2351: 2352: 2353: 2354: 2355: 2356: 2357: 2358: 2359: 2360: 2361: 2362: 2363: 2364: 2365: 2366: 2367: 2368: 2369: 2370: 2371: 2372: 2373: 2374: 2375: 2376: 2377: 2378: 2379: 2380: 2381: 2382: 2383: 2384: 2385: 2386: 2387: 2388: 2389: 2390: 2391: 2392: 2393: 2394: 2395: 2396: 2397: 2398: 2399: 2400: 2401: 2402: 2403: 2404: 2405: 2406: 2407: 2408: 2409: 2410: 2411: 2412: 2413: 2414: 2415: 2416: 2417: 2418: 2419: 2420: 2421: 2422: 2423: 2424: 2425: 2426: 2427: 2428: 2429: 2430: 2431: 2432: 2433: 2434: 2435: 2436: 2437: 2438: 2439: 2440: 2441: 2442: 2443: 2444: 2445: 2446: 2447: 2448: 2449: 2450: 2451: 2452: 2453: 2454: 2455: 2456: 2457: 2458: 2459: 2460: 2461: 2462: 2463: 2464: 2465: 2466: 2467: 2468: 2469: 2470: 2471: 2472: 2473: 2474: 2475: 2476: 2477: 2478: 2479: 2480: 2481: 2482: 2483: 2484: 2485: 2486: 2487: 2488: 2489: 2490: 2491: 2492: 2493: 2494: 2495: 2496: 2497: 2498: 2499: 2500: 2501: 2502: 2503: 2504: 2505: 2506: 2507: 2508: 2509: 2510: 2511: 2512: 2513: 2514: 2515: 2516: 2517: 2518: 2519: 2520: 2521: 2522: 2523: 2524: 2525: 2526: 2527: 2528: 2529: 2530: 2531: 2532: 2533: 2534: 2535: 2536: 2537: 2538: 2539: 2540: 2541: 2542: 2543: 2544: 2545: 2546: 2547: 2548: 2549: 2550: 2551: 2552: 2553: 2554: 2555: 2556: 2557: 2558: 2559: 2560: 2561: 2562: 2563: 2564: 2565: 2566: 2567: 2568: 2569: 2570: 2571: 2572: 2573: 2574: 2575: 2576: 2577: 2578: 2579: 2580: 2581: 2582: 2583: 2584: 2585: 2586: 2587: 2588: 2589: 2590: 2591: 2592: 2593: 2594: 2595: 2596: 2597: 2598: 2599: 2600: 2601: 2602: 2603: 2604: 2605: 2606: 2607: 2608: 2609: 2610: 2611: 2612: 2613: 2614: 2615: 2616: 2617: 2618: 2619: 2620: 2621: 2622: 2623: 2624: 2625: 2626: 2627: 2628: 2629: 2630: 2631: 2632: 26

Bearing blocks: Nail type: 12d Common (0.148"x3.25", min.) nails
 X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 2 7.50' 1 12" 4 Rigid Surface
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CENAILSP0109 for additional information.

Wind reactions based on MWFRS pressures.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 2-5-0 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 2-5-0 overhang.
Right side jacks have 7-0-0 setback with 0-0-0 cant and 2-5-0 overhang.

Right side jacks have 7-0-0 setback with 0-0-0 cant and 2-5-0 overhang.



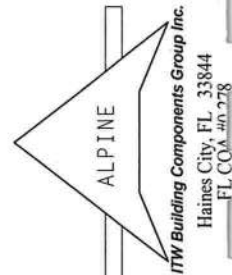
.00

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

Scale = .1875" / Ft.

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PROPERLY FABRICATED AND SHIPPED THUSSES MUST BE INSTALLED AND BRACED IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS. IF YOU DO NOT HAVE THE FOLLOWING INFORMATION, CALL 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, OR VICA (WOOD TRUSS, COUNCIL OF AMERICA), ENTERPRISE LANE, WADSWORTH, MI 48091, 537/191-5271 FOR THE PROPER THUSSE INSTRUCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TPI-1 ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/T16GA OR A325/A370 ASTM A653 GRADE 40/50 (K 30/55) GALV. STEEL-APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX K.3 OF TPI-1-2002 SEC.3, A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.



Haines City, FL 33844
FL COA #0078

JREF- 1TRE8228Z01

May 05 09

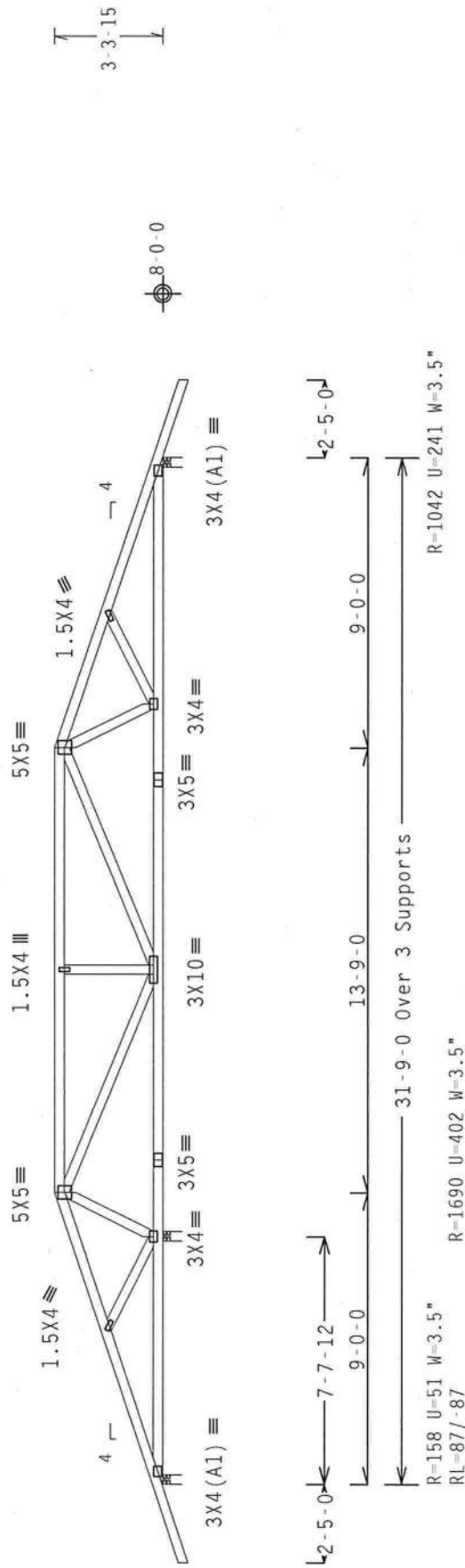
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.55

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.

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

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

Scale = .1875"/Ft.

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

• **WARNING:** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND REPAIRING. PROPER DESIGN AND FABRICATION OF THE THUSSES IS CRITICAL TO THE PROPER FUNCTIONING OF THE THUSSES. NORTH LIFE STEEL, SUITE 312, 312 ANDREWS BLVD., #22134, ANDREWS, TEXAS 76010, TEL: 817-291-1111, FAX: 817-291-1112, WWW.NORTHSTEEL.COM, IS THE SOLE MANUFACTURER OF THE THUSSES. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0 PSF	REF	R8228- 40901
TC DL	10.0 PSF	DATE	05/05/09

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS WILL BE AT THE RISK OF THE USER.

DESIGNER'S COMMENTS: PROVIDE AN ADDITIONAL PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) FOR THE CONNECTOR PLATES HAVE MADE OF 20/18/1664 Q/HVSS/PL ASTM A653 GRADE 40/60 @ .KIN-55 GALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND OTHERWISE LOCATED AS ON THIS DESIGN. POSITION PER DRAWINGS 100A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBX 43 OF TP11-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMBX/TP11 SEC. 2.

ALPINE

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

1110 mph wind. 15.00 ft mean hgt, ASCE 7-05, PART_ENC. 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(+/-)=0.55

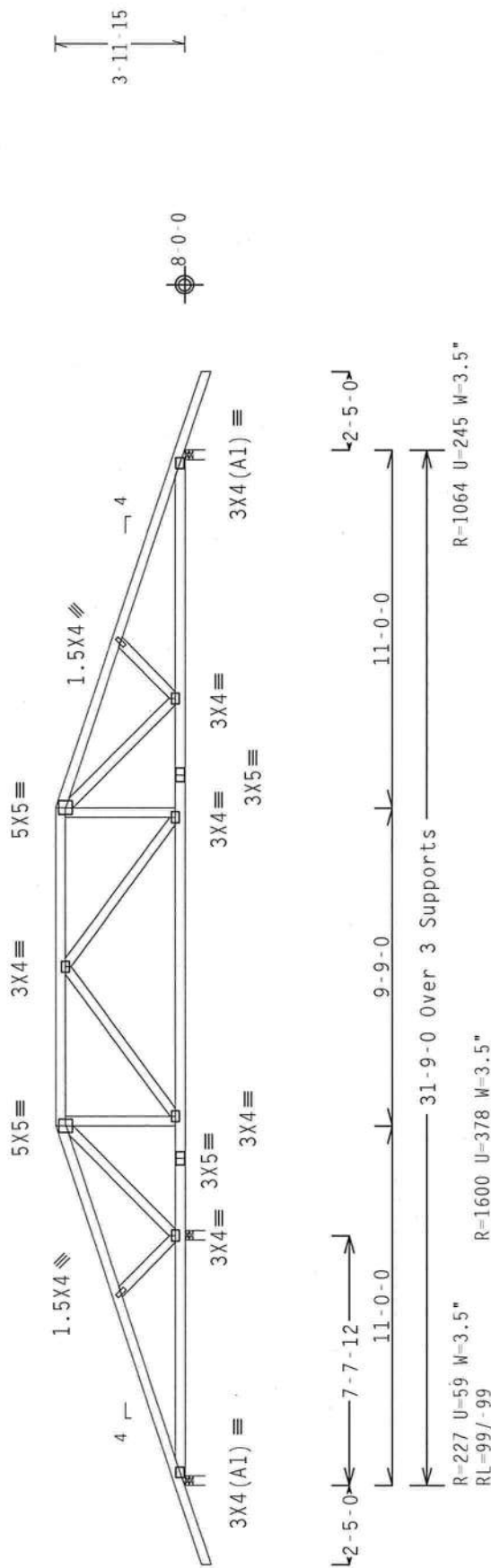
Roof overhang supports 2.00 psf soffit load.

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

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

Wind reactions based on MWFRS pressures.

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



R=227 U=59 W=3.5"
RL=99/-99

R=1600 U=378 W=3.5"

31-9-0 Over 3 Supports

R=1064 H=245 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

00

QTY:1

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

Scale = .1875" / Ft.

WARNING: THUSSE'S REQUIRE EXTREME CARE IN APPLICATION, SHIPPING, HANDLING, AND BRACING. REFER TO RES. BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WOOD THUSSE, 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 PROPERLY ATTACHED RIGID CEILING.

****RESPONSIBILITY****—TITM BCG, INC., THE INSTALLATION CONTRACTOR FOR TITM BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TITM BCG TRUSS DESIGN SPECIFICATIONS, OR ANY OTHER CODES, ORDINANCES, RULES, REGULATIONS, AND/OR STANDARDS. TITM BCG, INC. IS PROVIDING THIS DESIGN AS A GUIDE ONLY. IT IS THE USER'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS, APPROVALS, AND/OR INSURANCE COVERAGE PRIOR TO CONSTRUCTION. TITM BCG, INC. IS NOT PROVIDING ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE MERCHANTABILITY OF THE TRUSS COMPONENTS OR THE FITNESS OF THE TRUSS FOR ANY PARTICULAR PURPOSE. THE USER ASSUMES ALL LIABILITY FOR THE USE OF THIS COMPONENT FOR ANY BUILDING OR FOR ANY DAMAGE TO PERSONS OR PROPERTY. TITM BCG, INC. IS NOT PROVIDING ANY PROFESSIONAL ENGINEERING SERVICES. THE USER MUST CONSULT WITH A LICENSED PROFESSIONAL ENGINEER BEFORE USING THIS COMPONENT FOR ANY BUILDING OR FOR ANY DAMAGE TO PERSONS OR PROPERTY.



Haines City, FL 33844
FL COA #0278

ITW Building Components Group Inc.

Haines City, FL 33844

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART_ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.55

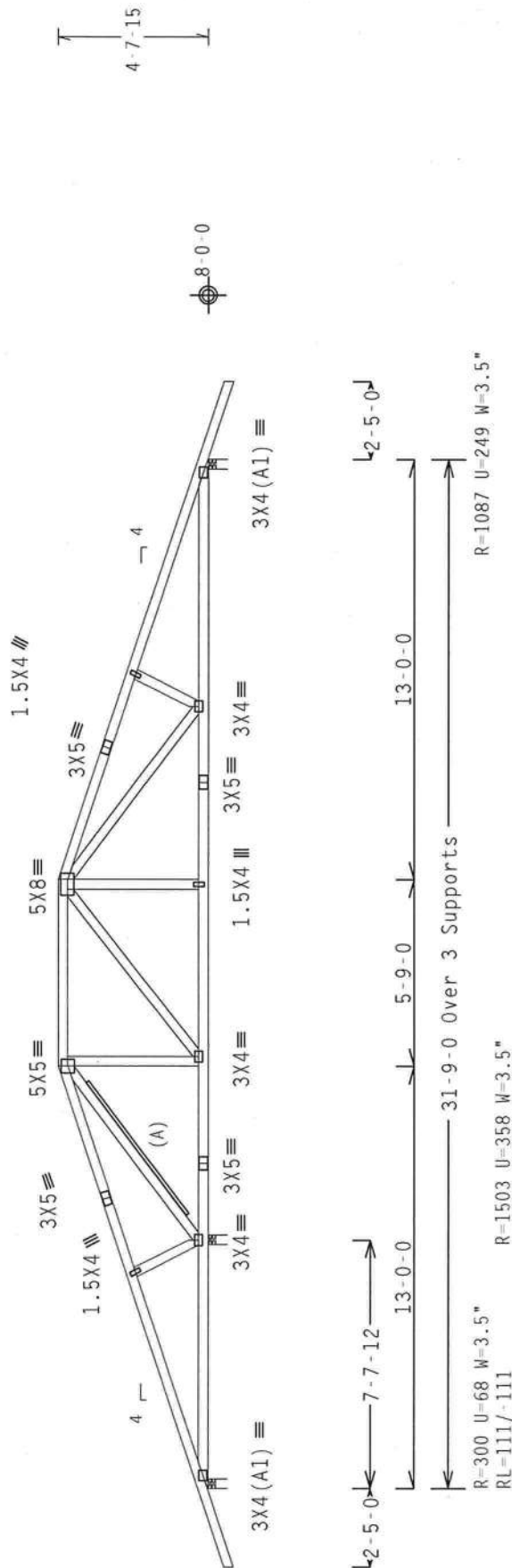
Wind reactions based on MWFRS pressures.

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

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

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

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



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0) 8.

IMPORTANT: UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR (TIN BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TROUSS IN CONFORMANCE WITH THE TITL OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TROUSSES. THE TIN BCG DESIGN COMBING WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TITL (TIN BCG) PLATES TO EACH FACE OF TROUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER ABX 4.3 OF TITL-2002 SEC.2. A SEAL ON THIS DESIGN DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TROUSS COMPONENT OF THIS DESIGN. THE USE OF THIS CONSUMER FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ABX 4.1 SEC.2.

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=20%(0%)/0(0)

Scale = .1875"/Ft.

FL1-141-1-1R/-

REF	R8228- 40903
DATE	05/05/09
DRW	HCUSR8228 09125010
HC-ENG	WHK/WHK
SEQN-	21895
FROM	AH
JREF-	1TR82282701



ALPINE

ITW Building Components Group Inc.
 Haines City, FL 33844
 EL COA #0378

(8-190)-GARY JOHNSON Blackley - , ** - H15A)

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

Roof overhang supports 2.00 psf soffit load.

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

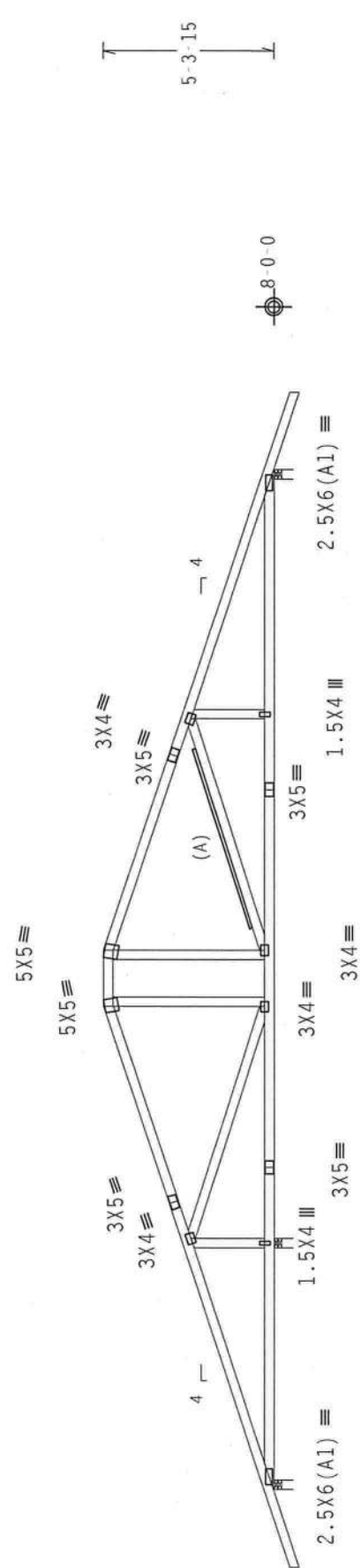
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART. ENC. 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 GCp(+/-)=0.55

Wind reactions based on MWFRS pressures.

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

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



L2-5-0 7-7-12 15-0-0 1-9-0 15-0-0 L2-5-0
R=457 U=91 W=3.5"
RL=123/-123
R=1136 U=160 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)



TC LL	20.0 PSF	REF	R8228- 40904
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCUSR8228 09125011
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN	21900
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TRE8228Z01

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0378

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF THE TRUSS IN COMPLIANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. BY ACCEPTING AND TPI REG CONNECTION PLATES ARE MADE OF 20/19/16GA OR 17/55/81GA (ASTM A653 GRADE 40/60 OR 40/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABX 63 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

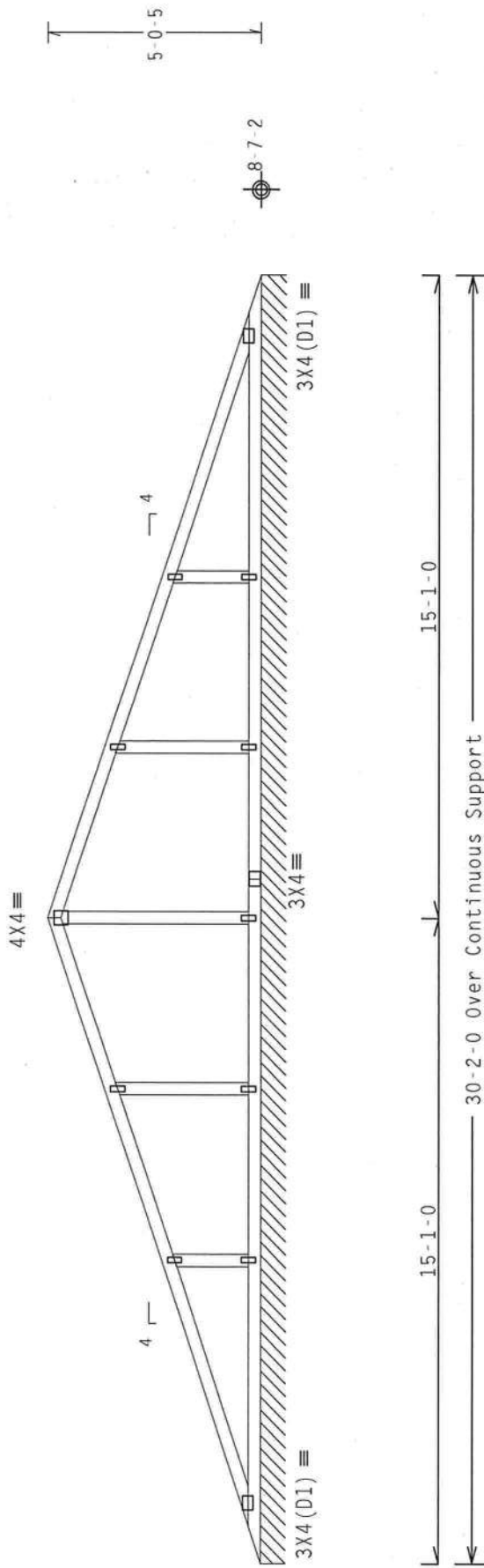
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

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

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

Wind reactions based on MWFRS pressures.

See DWG VAL1300109 for valley details.



R=81 PLF W=30-2-0
RL=3/-3 PLF

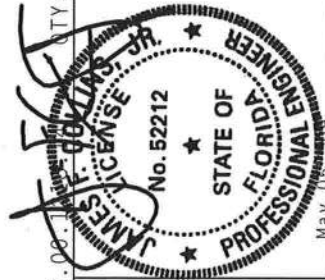
Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R8228- 40906
TC DL	10.0 PSF	DATE	05/05/09
BC DL	10.0 PSF	DRW	HCU8R8228 09125001
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	21908
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TRE8228Z01

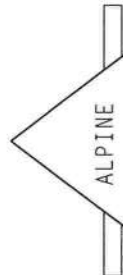


WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BEACING. THESE THUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE MANUFACTURER ASSUMES NO LIABILITY FOR DAMAGE TO PERSONS OR PROPERTY FROM IMPROPER USE OF THESE THUSSES.

WARRIOR THUSSES
NORTH LEE STREET, SUITE 312, ALEXANDRIA VA 22304, TEL# 703-689-1100 FAX# 703-689-1101
ENTERPRISE LANE, HOOVER, AL 52219, VA 52219 FOR SPECIALTY PRACTICES PLEASE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CUTTING

****IMPORTANT*****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING, & BRACING OF TRUSSES. THE DESIGNER SHALL COMPLY WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/55K) AISC A663 GRADE 40/60 (N, K/H/55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3.3 OF TPI-2002 SEC.2.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE INSTALLATION AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

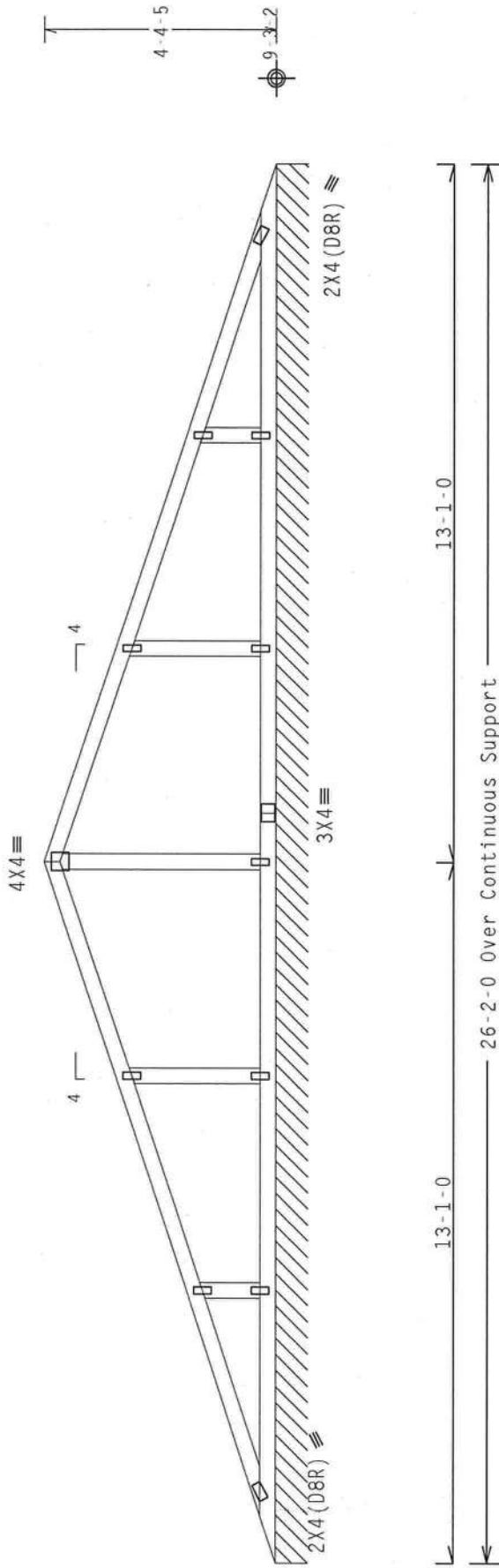
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VAL1300109 for valley details.

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

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



R-81 PLF W-26-2-0
RI=3/-3 PLF

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

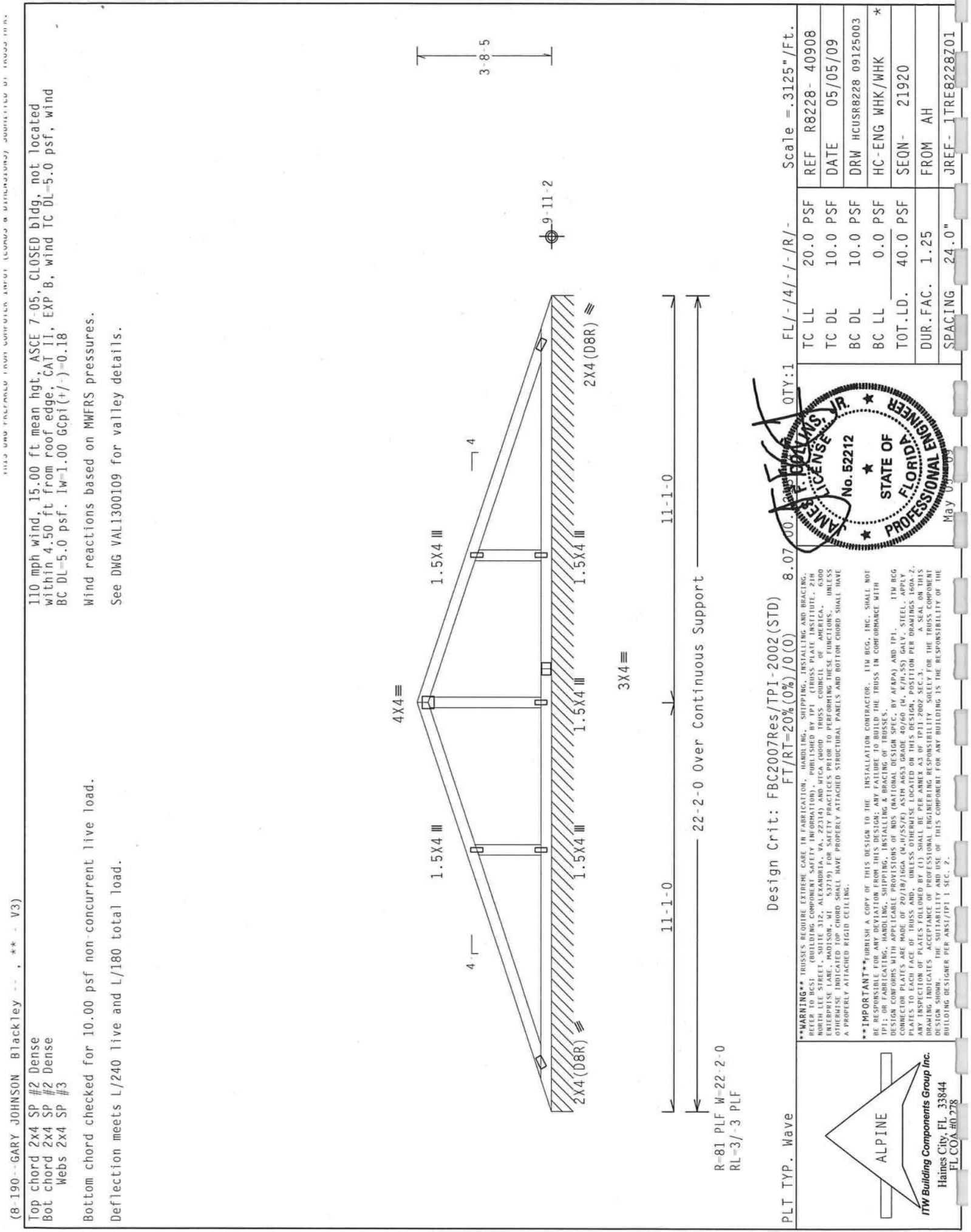
~~00: [unclear] [unclear]~~ QTY: 1 FL / - / 4 / - / - / R / -
Scale = .3125" / Ft.

PLT TYP. Wave

TC LL	20.0	PSF	REF	R8228-	40907
TC DL	10.0	PSF	DATE	05/05/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09125002
BC LL	0.0	PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0	PSF	SEQN-	21914	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TRF8228Z01	

ALPINE

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



(8-190--GARY JOHNSON Blackley -- . ** - V3)

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

Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

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 GCpi(+/-)=0.18

Wind reactions based on MMFRS pressures.
See DWG VAL1300109 for valley details.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

R-81 PLF W=22-2-0
RL=3/-3 PLF

Scale = .3125" / Ft.

QTY:1

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

REF R8228- 40908

DATE 05/05/09

DRW HCUSR8228 09125003

HC-ENG WHK/WHK *

SEQN- 21920

FROM AH

JREF- 1TRE8228Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

ALPINE

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

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52212
JAMES E. BOYKINS, JR.
LICENSE No. 52212
May 09, 2009

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), 218 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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FROM ANY OTHER CAUSE SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL BUILDING CODES, AS AMENDED BY AHPA AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60) ASTM A653 GRADE 40/60 (40-60/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2, 100B-2, 100C-2, 100D-2, 100E-2, 100F-2, 100G-2, 100H-2, 100I-2, 100J-2, 100K-2, 100L-2, 100M-2, 100N-2, 100O-2, 100P-2, 100Q-2, 100R-2, 100S-2, 100T-2, 100U-2, 100V-2, 100W-2, 100X-2, 100Y-2, 100Z-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANSII A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.

(8-190--GARY JOHNSON Blackley -- , ** - V4)

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

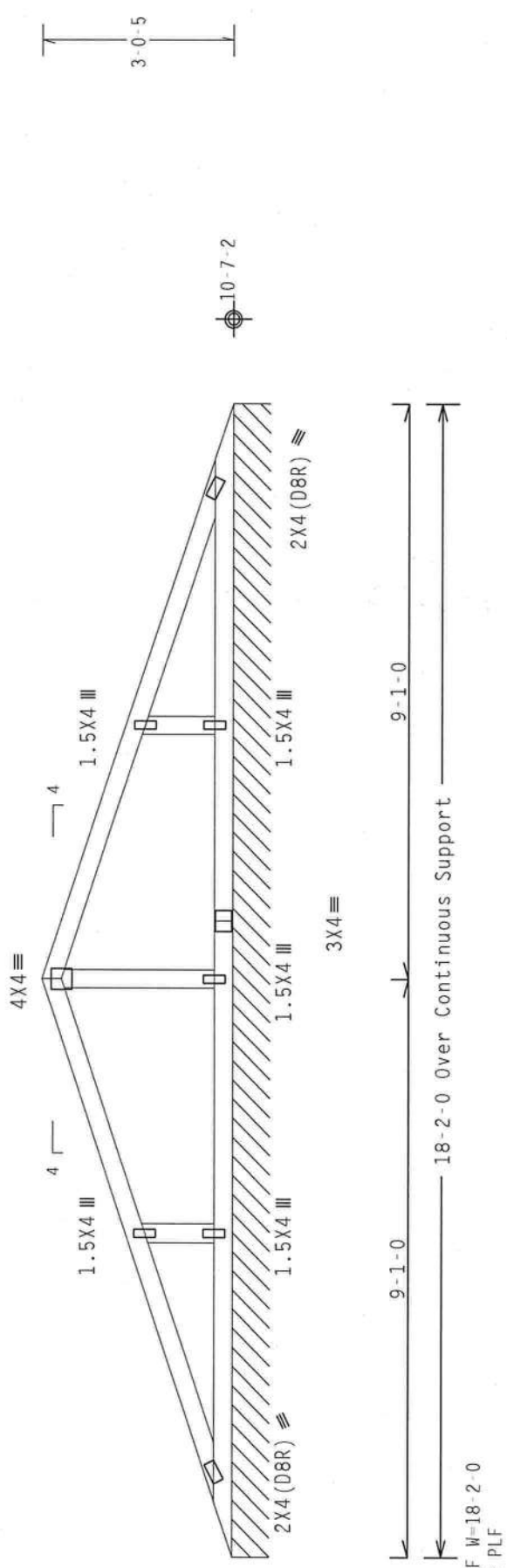
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

Wind reactions based on MWFRS pressures.

See DWG VAL1300109 for valley details.

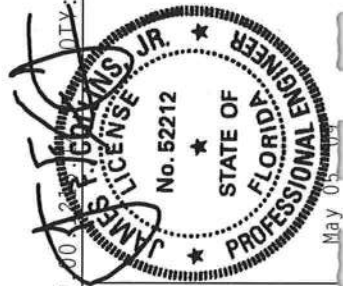


R=81 PLF W=18-2-0
RL=3/-3 PLF

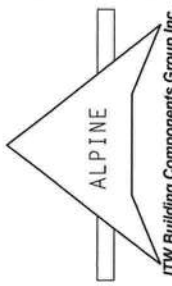
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

Scale = .375"/Ft.

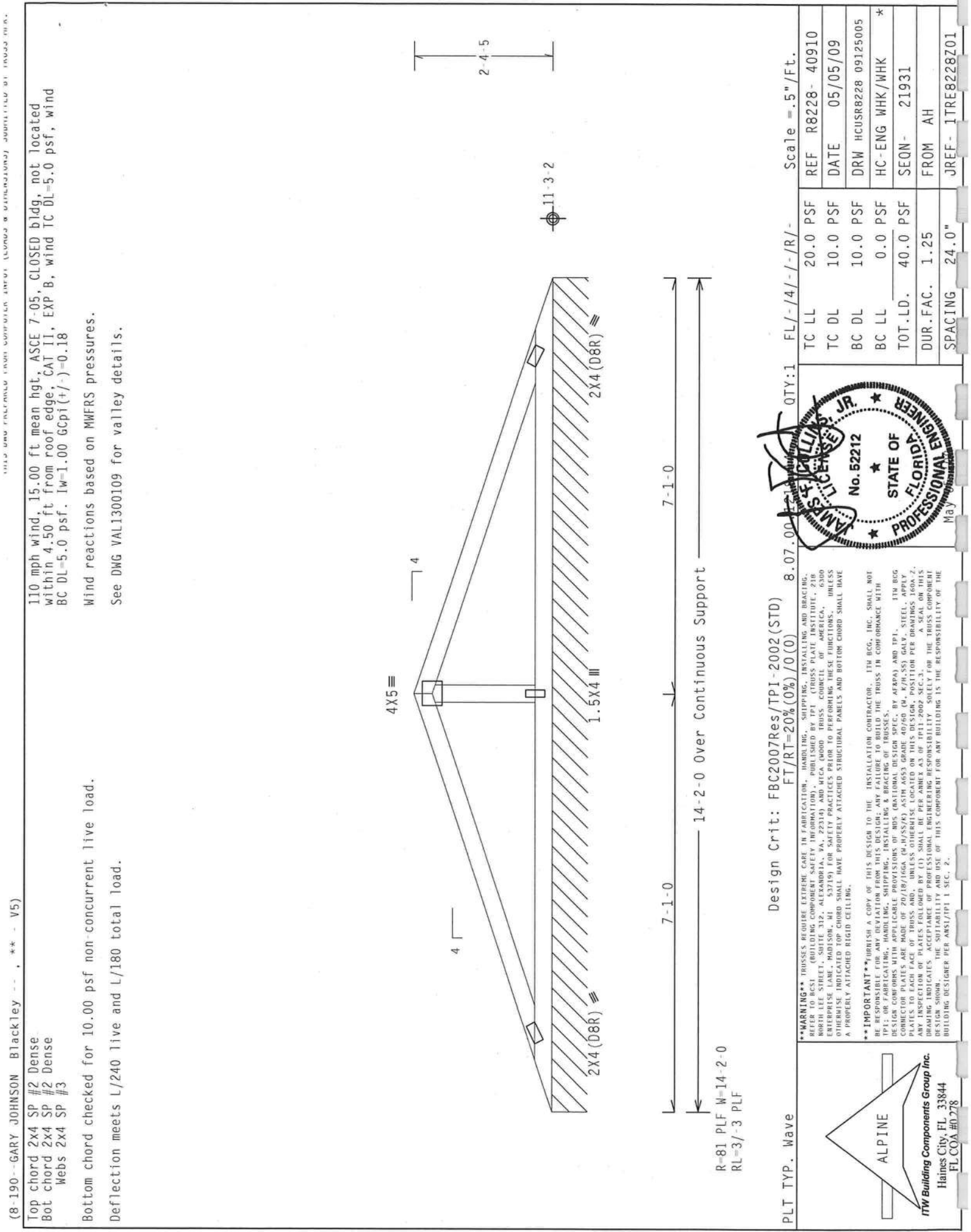
TC LL	20.0 PSF	REF R8228- 40909
TC DL	10.0 PSF	DATE 05/05/09
BC DL	10.0 PSF	DRW HCUSR8228 09125004
BC LL	0.0 PSF	HC-ENG WHK /WHK *
TOT.LD.	40.0 PSF	SEQN- 21928
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TRE8228701



WARNING: THOSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THESE THOSSES ARE THE PROPERTY OF THE NORTH CAROLINA STATE FIRE MARSHAL'S OFFICE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND MUST BE RETURNED TO THE AGENCY OF ORIGIN. THE USER OF THESE THOSSES SHALL BE RESPONSIBLE FOR THE PROPER USE OF THE THOSSES. THE USER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THE THOSSES. THE USER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THE THOSSES. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHILLING.

[illegible]

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



(8-190--GARY JOHNSON Blackley -- . ** - V5)

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

Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

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

Wind reactions based on MMFRS pressures.
See DWG VAL1300109 for valley details.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .5"/Ft.

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

8.07.00

QTY:1

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

REF R8228- 40910

DATE 05/05/09

DRW HCUSR8228 09125005

HC-ENG WHK/WHK

SEQN- 21931

FROM AH

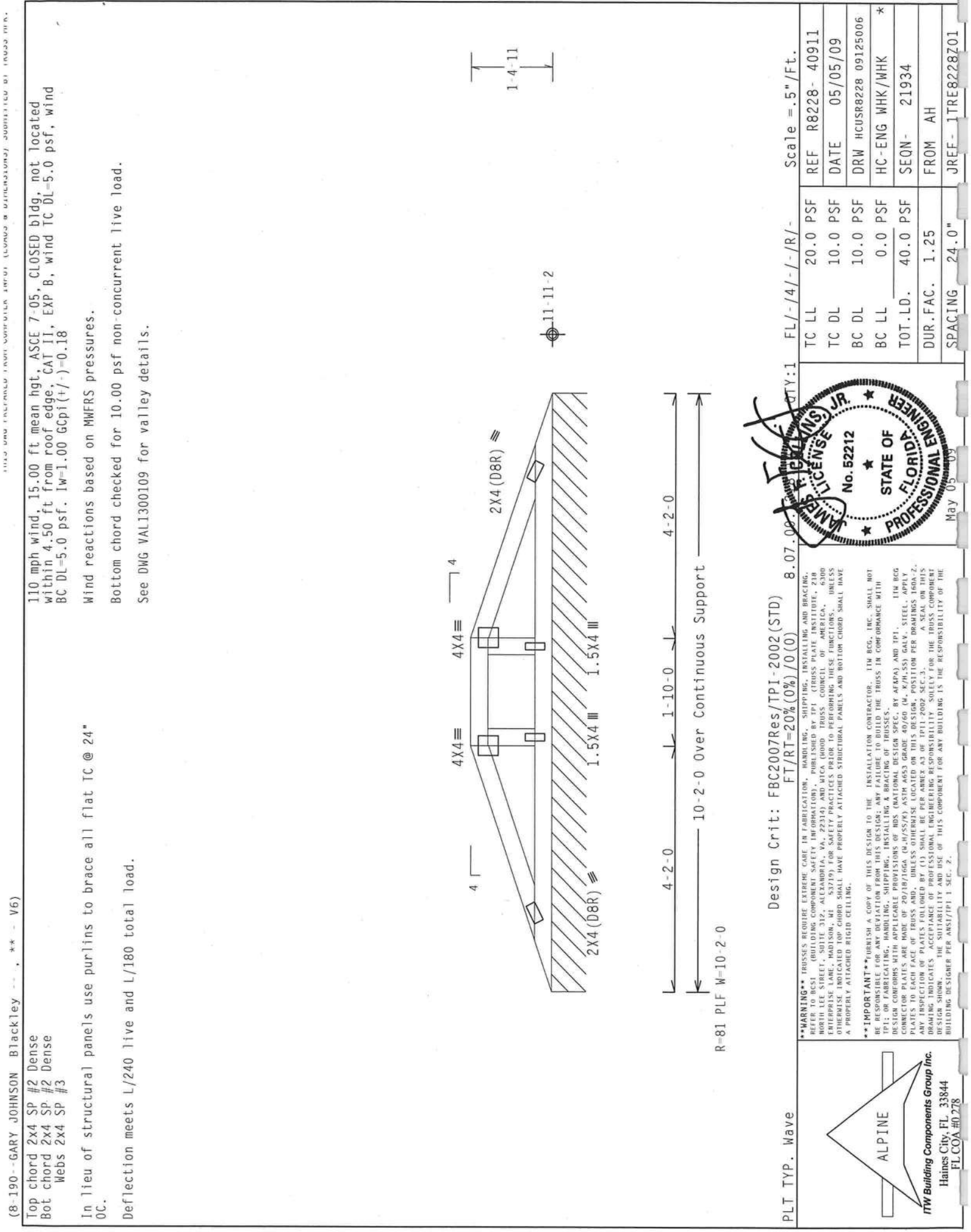
JREF- 1TRE8228Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL CQA #0278

Professional Engineer
No. 52212
STATE OF FLORIDA
JAMES F. COLLINS, JR.
LICENSED



(8-190--GARY JOHNSON Blackley --, ** - V6)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels use purlins to brace all flat TC @ 24"
OC.
Deflection meets L/240 live and L/180 total load.

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.
Bottom chord checked for 10.00 psf non-concurrent live load.
See DWG VAL1300109 for valley details.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

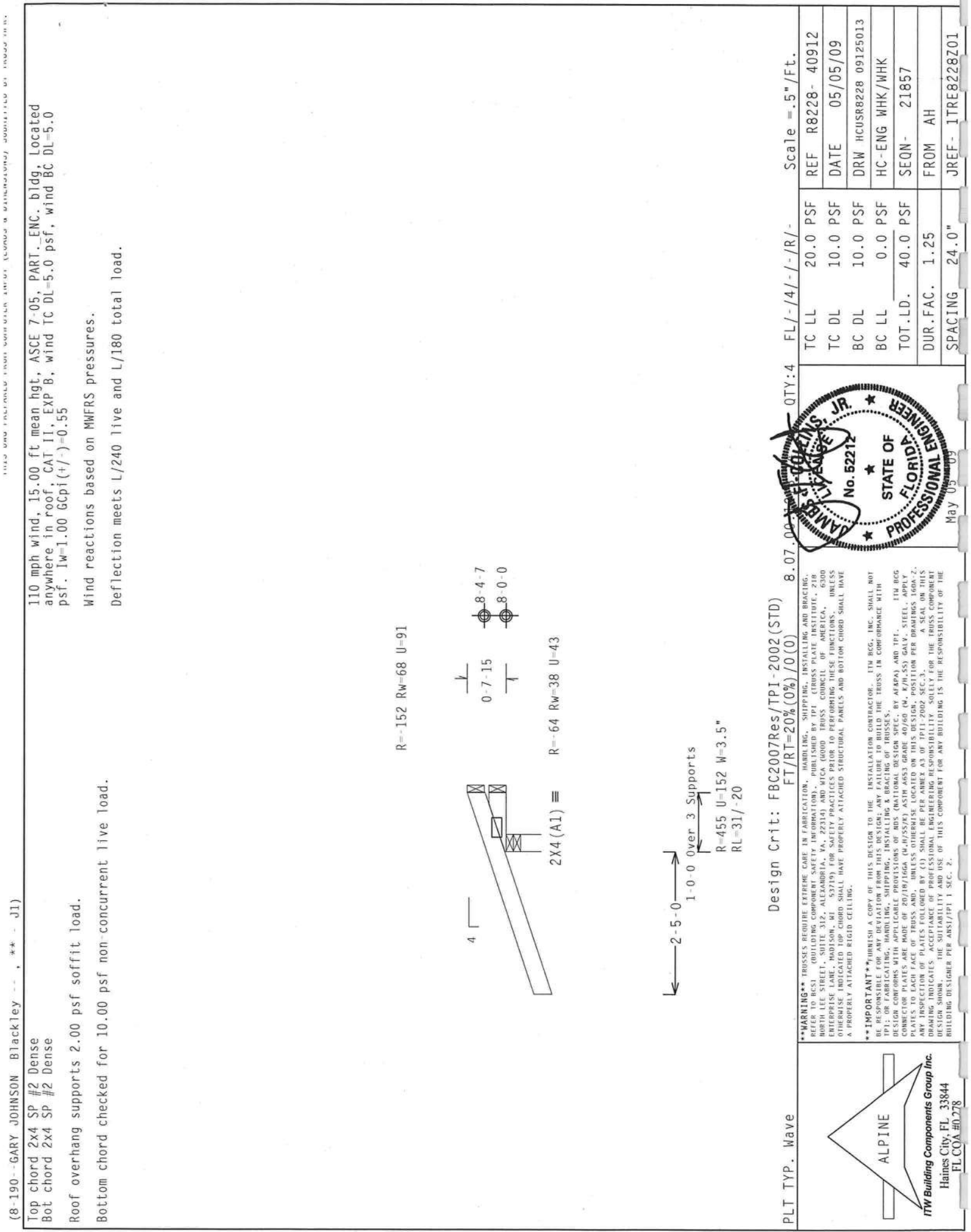
Scale = .5" / Ft.

REF R8228- 40911
DATE 05/05/09
DRW HCUSR8228 09125006
HC-ENG WHK/WHK
SEQN- 21934
FROM AH
JREF- 1TRE8228701

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

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

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



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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART_ENC. 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(+/-)=0.55

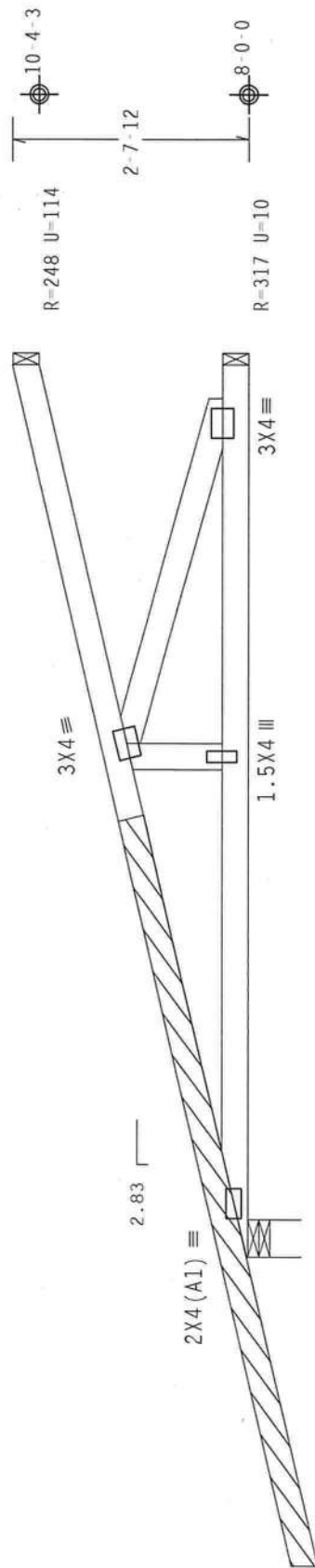
Hipjack supports 7-0-0 setback jacks with no webs.

Wind reactions based on MWFRS pressures.

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

(1) 2x4x8-6-7 SP #2 Dense Top chord scab centered 0-8-13 from left end. Attach to one face of chord with (2) rows of 12d Common (0.148"x3.25", min.) nails @ 6" O.C., staggered 3".

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



3-5-0 9-10-13 Over 3 Supports
R=659 U=206 W=4.95"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20% (0%) / 0 (0)

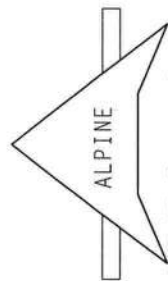
00 - ~~Quantity~~ QTY: 2 FL / - 4 / - / - / R / - Scale = 5" / Ft.

PLT TYP. Wave

TC LL	20.0	PSF	REF R8228- 40913
TC DL	10.0	PSF	DATE 05/05/09
BC DL	10.0	PSF	DRW HCUSR8228 09125014
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 21869
DUR.FAC.	1.25		FROM AH
SPACING	SEE ABOVE		JREF- 1TRE8228Z01

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE CONSTRUCTION INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22313, AND APCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFE 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 CEELS.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGNER'S REQUIREMENTS, INCLUDING A BRACING TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THIS DESIGN CONFORMS WITH APPLICATIONS, MODIFICATIONS, AND REVISIONS OF THE FOLLOWING: ITC BCG CONNECTOR PLATES ARE MADE OF 2010/166GA (4 W/5/5/5) ASTM A653 GRADE 40/60, C, K/5/5/5 (EVAL. STEEL - APPLICATIONS) PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1), SHALL BE PER AMBX 43 OF 1711-2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUTABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/1711-1 SEC. 2.



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

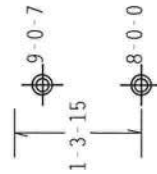
May 1959

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART_ENC. 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(+/-)=0.55

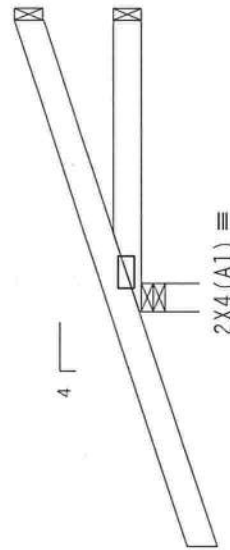
Wind reactions based on MWFRS pressures.

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

R=36 U=11



R=40 RW=44 U=24


$$2 \times 4(A1) \equiv$$

A diagram illustrating the relationship between two beam configurations. On the left, a horizontal line segment is labeled "2-5-0" with a double-headed arrow below it. To its right, another horizontal line segment is labeled "3-0-0 Over 3 Supports" with a double-headed arrow below it. The two segments are aligned horizontally, suggesting a comparison or a transition between the two states.

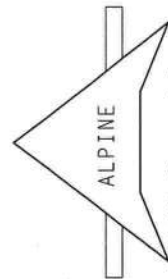
R=361 U=93 W=3.5"
RL=42/-22

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

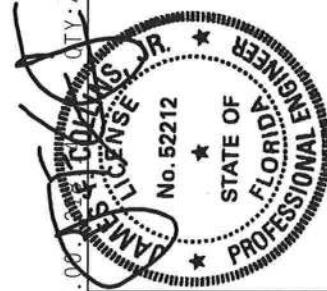
PLT TYP. Wave

Scale = .5"/Ft.

WARNING: TRUSSES REQUIRING EXTREME CARE IN FABRICATION, SHIPPING, INSTALLING AND BRACING. REFER TO RESIST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CHLSS PLASTIC INSTITUTE, 230 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND AICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, WAUWATOSA, WI 53219, FOR SAFETY RECOMMENDATIONS PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHLING.

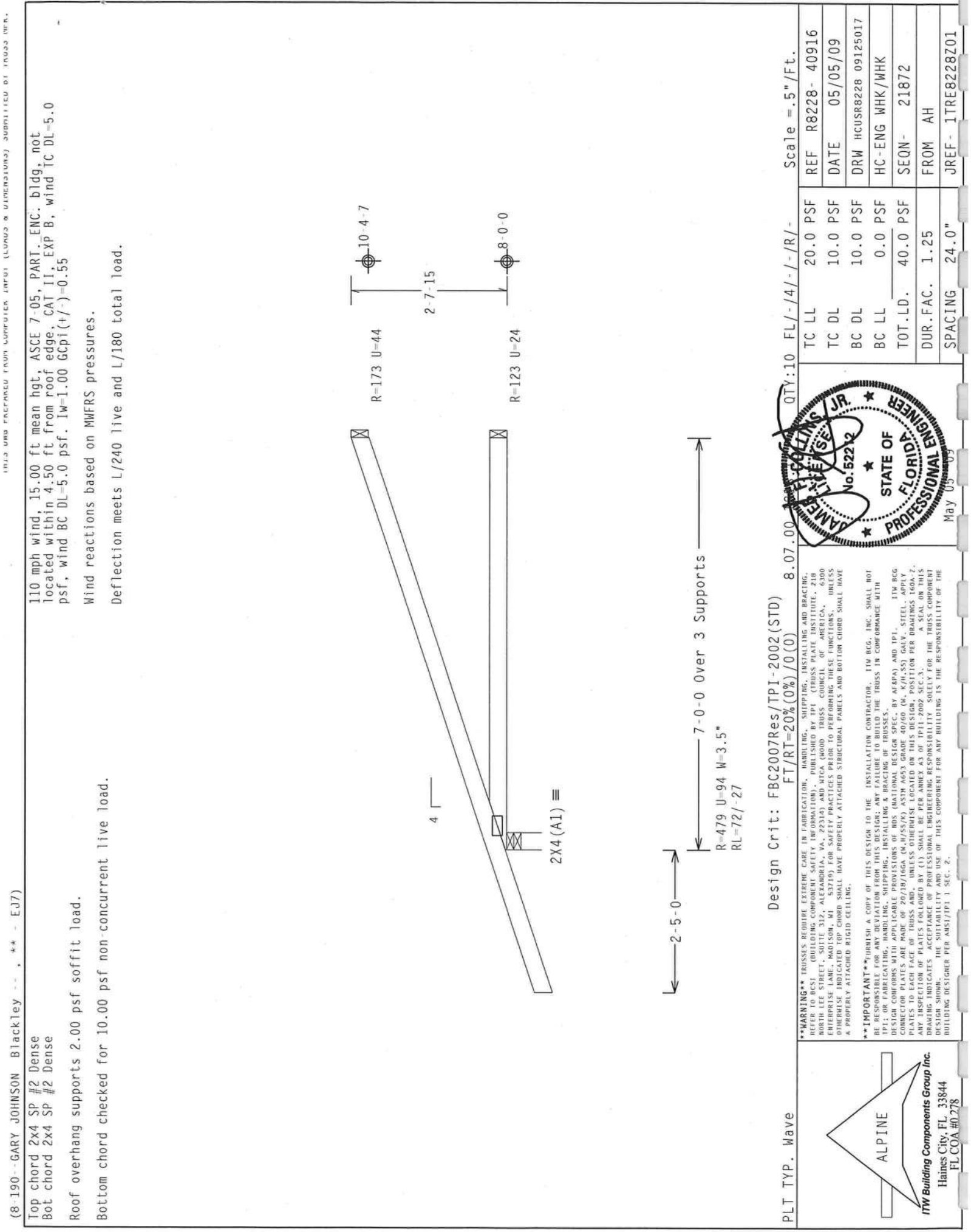
[illegible]

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



May 05 '09

JREF- 1TRE8228Z01



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 REFERENCING 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)

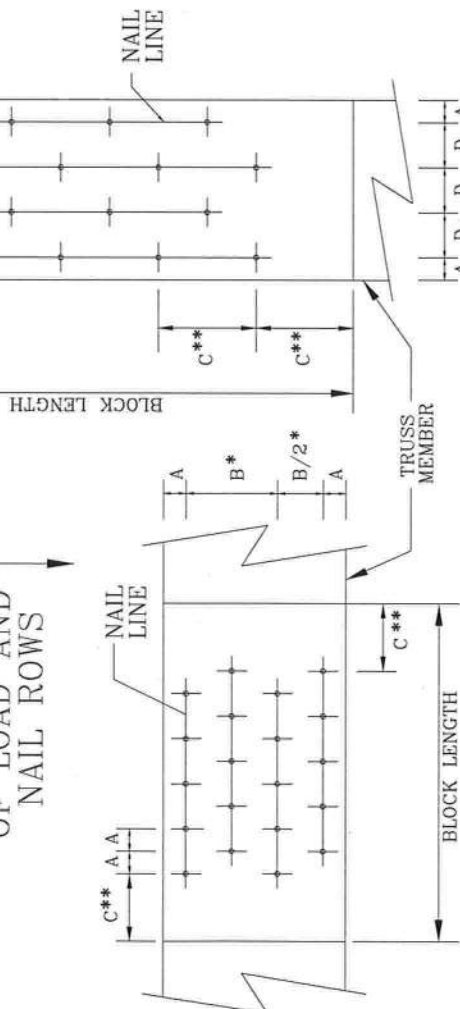
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

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

WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET. Truss members shall be installed in accordance with the BCS (Building Component Safety) information, by TPI and WTCA for safety practices prior to performing these functions. Installers 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 field ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS 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 this 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 2018/16GA (W8/S/K) ASTM A653 grade 37/40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITW-BCC: www.itwbcg.com; TPI: www.tpiust.com; WTCA: www.shcindustry.com; ICC: www.iccsafe.org



Earth City, MO 63045

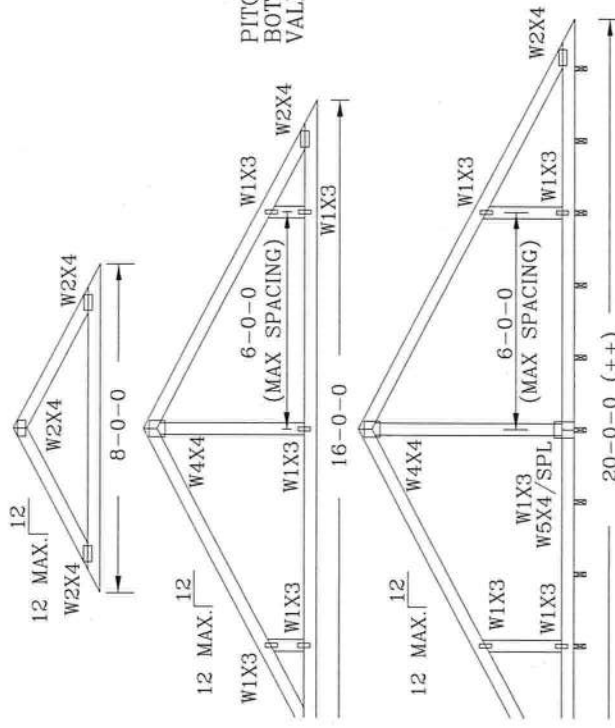
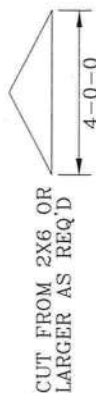
REF NAIL SPACE
DATE 1/1/09
DRWG CANNAILSP0109



VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2N, SPF #1/#2, DF-L #2 OR BETTER.
 BOT CHORD 2X4 SP #2N OR SPF #1/#2 OR BETTER.
 WEBS 2X4 SP #2N, SPF #1/#2, DF-L #2 OR BETTER.

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:
 (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
 SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98,
 ASCE 7-02 OR ASCE 7-05 130 MPH, 30' MEAN
 HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL,
 WIND TC DL=5 PSF, Kzt = 1.00



UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" O.C., OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'-9".

FOR VERTICALS OVER 10'-0" TALL, APPLY (2) 1x4 "T" BRACE, TO NARROW FACE, SAME GRADE AS WEB MEMBER, ATTACH WITH 8d OR 0.128"x3" GUN NAILS @6" O.C., STAGGERED

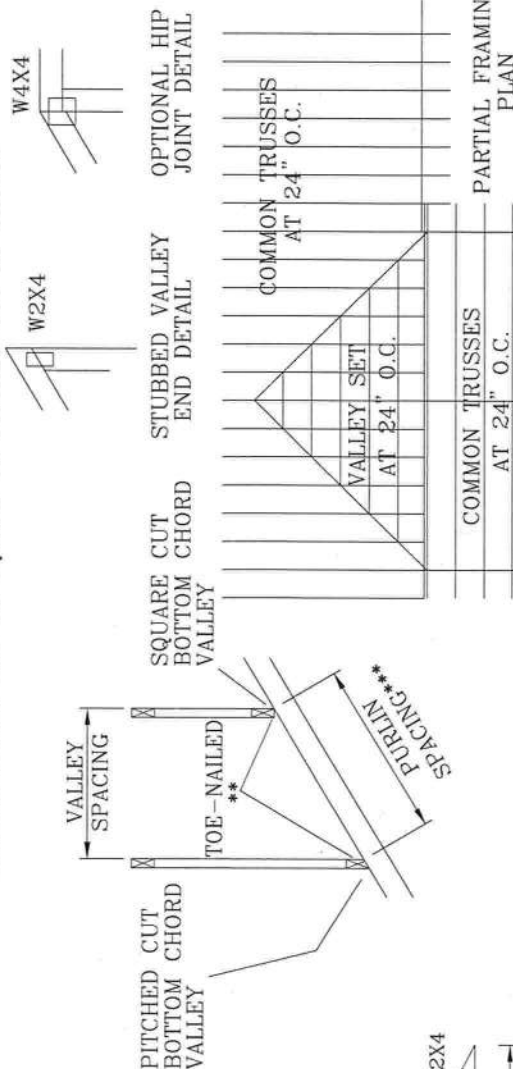
TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH: PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION OR

PURLINS AT 24" O.C. OR AS OTHERWISE SPECIFIED ON ENGINEER'S SEALED DESIGN OR BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEER'S SEALED DESIGN.

*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 14'-0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



***WARNING** 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 Components Group Inc. (ITWBCG) instructions for proper handling, shipping, installing and bracing. These functions installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall have properly attached structural panels 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.

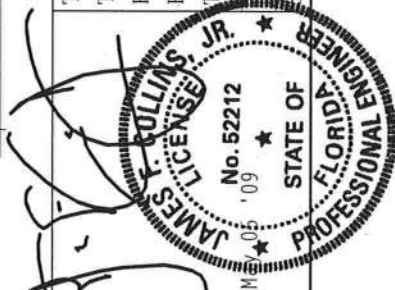
***IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this 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 2018/16GA (W11/5/K) ASTM A653 grade 37/40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and 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. ITW-BCSI: www.itwbcg.com, TPI: www.tpinat.com, WTC: www.abcdindustry.com; ICC: www.iccsafe.org



Earth City, MO 63045

TC	LL	30	40	PSF	REF	VALLEY DETAIL
TC	DL	20	15	7	PSF	DATE 1/1/09
BC	DL	10	10	10	PSF	DRWG VAL1300109
BC	LL	0	0	0	PSF	
TOT.	LD.	60	55	57	PSF	
UR	FAC.	1.25/1.33	1.15/1.15			
SPACING		24"				



#27840



NOTICE OF INSPECTION AND/OR TREATMENT

6-18-09

Date of Inspection

6-18-09

Date of Treatment

Date of Spot Treatment

TERMINATOR SC

Pesticide Used

Subterranean Termites

Wood-Destroying Organisms Treated

****Notice****

It is a violation of Florida State Law (Chap. 482.226) for anyone other than the property owner to remove this notice.

Address:

Pestmaster Services of Lake City

187 SE Country Club Rd., Suite 101 • Lake City, FL 32025