

DATE 04/28/2008

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026955

APPLICANT CURTIS LUNDERMAN PHONE 321 723-0000
ADDRESS 764 FERNANDINA ST PALM BAY FL 32907
OWNER JOHNNIE HEAD PHONE 904 591-4180
ADDRESS 207 SW ROSE LANE FT. WHITE FL 32038
CONTRACTOR CURTIS LUNDERMAN PHONE 321 723-0000
LOCATION OF PROPERTY 47S, TR ON WILSON SPRINGS RD, TL ON WILSON SPRINGS RD,
TR ON ROSE LANE, 3RD HOUSE ON RIGHT
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 96600.00
HEATED FLOOR AREA 1668.00 TOTAL AREA 1932.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 5/12 FLOOR SLAB
LAND USE & ZONING ESA-2 MAX. HEIGHT 16
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE AE DEVELOPMENT PERMIT NO.

PARCEL ID 01-7S-15-04149-524 SUBDIVISION WILSN SPRINGS
LOT 24 BLOCK PHASE UNIT TOTAL ACRES

CGC056971
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 08-232 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE, MFE 36', ONE FOOT RISE LETTER ON FILE, ELEVATION
CERT. REQUIRED BEFORE POWER, NO IMPACT FEE REQUIRED

Check # or Cash 1453

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 485.00 CERTIFICATION FEE \$ 9.66 SURCHARGE FEE \$ 9.66
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 579.32
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 TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

NOTICE OF COMMENCEMENT

STATE OF FLORIDA)

COUNTY OF COLUMBIA)

SS:

THE UNDERSIGNED, hereby gives notice that improvements will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:

1. Description of Property (legal description and street address if available):
(see attached)
**207 SW ROSE LANE
FORT WHITE, FL 32038**
2. General description of improvements: A SINGLE FAMILY DWELLING.

3. Owner information:

- a. Name and Address:
**JOHNNIE JOE HEAD
SUE TOMPKINS HEAD
207 S W ROSE LANE
FORT WHITE, FL 32038**

Inst: 200712028429 Date: 12/27/2007 Time: 4:01 PM

✓ DC, P. DeWitt Cason, Columbia County Page 1 of 2

- b. Interest in Property: FEE SIMPLE

- c. Name and address of fee simple title holder (if other than owner): _____

4. Contractor (Name and Address): **TEAM LUNDERMAN CONSTRUCTION INC
2265 WOOD STREET
MELBOURNE, FL 32904**

5. Surety:

- a. Name and Address:

- b. Amount of Bond: \$ _____

6. Lender (Name and Address): **WACHOVIA MORTGAGE CORPORATION
RESIDENTIAL CONSTRUCTION LENDING
3563 PHILLIPS HWY, STE 400C, 2ND FL.
JACKSONVILLE, FL 32207**

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes (Name & Address):

Name:

Address:

Phone Number:

Fax Number:

8. In addition to himself, Owner designates _____

of

to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:

9. Expiration date of Notice of Commencement (the expiration date is one (1) 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 WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR

074-10049

4/23/08 welcome in

Columbia County Building Permit Application

For Office Use Only Application # 0802-25 Date Received 2/21 By JW Permit # 26955
Zoning Official _____ Date _____ Flood Zone AE FEMA Map # 0255 Zoning ESA-2
Land Use ESA Elevation 34' MFE 35' River Santa Fe Plans Examiner DKJJA Date 4-22-08
Comments NO IMPACT FILL OLD SFD WILL BE REPLACE W/ NEW ONE - NO Floodway, DP Required
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☒ Dev Permit # 08-008 ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. _____ Fax (321) 723-0000
Name Authorized Person Signing Permit Curtis Lunderman Phone (321) 723-0000
Address 764 Fernandina St. Palm Bay, FL 32907
Owners Name Johnnie Head Phone (904) 591-4180
911 Address 207 S W Rose Ln. Fort White, FL 32038
Contractors Name Curtis Lunderman/Team Lunderman Phone (321) 723-0000
Address 764 Fernandina St. Palm Bay, FL 32907

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Trinity Drafting 607 S Alexander
Mortgage Lenders Name & Address Wachovia mortgage Barbara Williams 2465 Bland

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

Parcel ID # 01-75-15-04149-524
Property ID Number _____ Estimated Cost of Construction 115 K

Subdivision Name Wilson Springs Lot 24 Block 5 Unit _____ Phase 1-B

Driving Directions 41 South to 475 to Ft. White, take Wilson Springs Rd to stop sign @ Popes store turn left follow paved Rd to Rose Ln. turn right.
Number of Existing Dwellings on Property 1

Construction of SFD Total Acreage 1.27 Lot Size 55,154 sq. ft.

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 16'-18'

Actual Distance of Structure from Property Lines - Front 98 Side 55' Side 56' Rear 270'

Number of Stories 1 Heated Floor Area 1668 Total Floor Area 1932 Roof Pitch 5/12

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.

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.

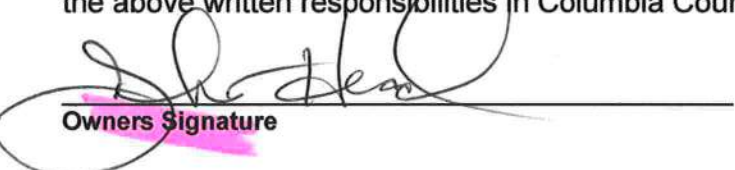
FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

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

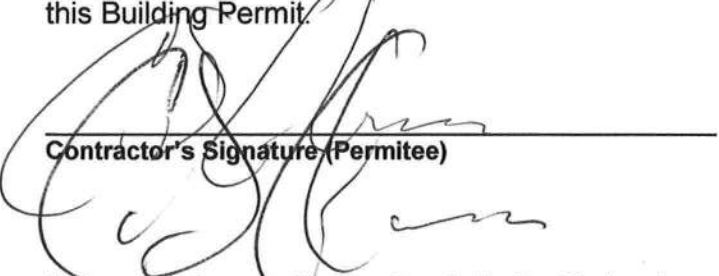
NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

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


Owners Signature

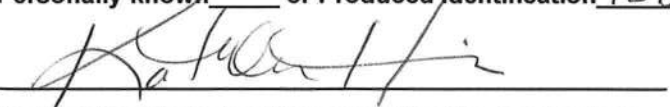
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.


Contractor's Signature (Permitee)

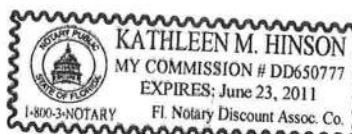
Contractor's License Number CGC 056971
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 110 day of January 2008.

Personally known _____ or Produced Identification FL Dr. Lic # L536116051900


State of Florida Notary Signature (For the Contractor)

SEAL:



4. Please submit a copy of a legal document which declares Mr. Johnnie Head as the owner of the property which is described within this application for a building permit.

Thank You:



Joe Haltiwanger
Plan Examiner
County Building Department

Development Permit
F 023- 08-008

FLOOD ZONE AE BY BK 1-6-88 FIRM COMMUNITY #. 120070 - PANEL #. 0255B
FIRM 100 YEAR ELEVATION 35' PLAN INCLUDED YES or NO
REQUIRED LOWEST HABITABLE FLOOR ELEVATION 36'
IN THE REGULATORY FLOODWAY YES or NO RIVER Santa Fe
SURVEYOR / ENGINEER NAME Brett Chews LICENSE NUMBER 65592

DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED

COMMENTS _____

Recording Fees: \$ _____
Documentary Stamps: + _____
Total: \$ _____
Prepared by and return to:

TITLE OFFICES, LLC
1089 SW MAIN BLVD.,
LAKE CITY, FL. 32025
SE File #02Y-11005BS/

Inst: _____ Date: 05/29/2003 Time: 08:31
oc Stamp-Deed : 84.00
mk DC, P. DeWitt Cason, Columbia County B: 984 P: 1116

Property Appraisers Parcel I.D. Number(s):

WARRANTY DEED

THIS WARRANTY DEED made and executed the 23rd day of May, 2003, by **WILSON SPRINGS, INC.**, a corporation existing under the laws of **FLORIDA**, and having its principal place of business at 425 N MARION STREET, LAKE CITY, FL 32055, hereinafter called the Grantor, to **JOHNNIE JOE HEAD** and **SUE TOMPKINS HEAD**, his wife, whose post office address is: 998 LAKE ASBURY DRIVE, GREEN COVE SPRINGS, FL 32043, hereinafter called the Grantee:

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

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

COMMENCE at the Northeast corner of the Southeast 1/4 of Section 1, Township 7 South, Range 18 East, Columbia County, Florida and run S.00°15'08"E. along the East line of said Section 1 a distance of 1218.72 feet; thence S.46°13'27"W. 715.38 feet to the **POINT OF BEGINNING**; thence S.08°58'17"W. 454.06 feet to a point on the Northerly Right-of-Way line of SW Memorial Drive (a County road); thence N.80°02'41"W. along said Northerly Right-of-Way line 159.98 feet; thence N.10°00'01"E. 236.46 feet; thence N.46°13'27"E. 269.88 feet to the **POINT OF BEGINNING**. Containing 1.27 acres, more or less. A/k/a Lot 24, Block 6, Wilson Springs Phase 1, recorded in Plat Book 7, page 55/60.

Subject to Restrictions, Reservations and Easements of Record.

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

TO HAVE AND TO HOLD the same in fee simple forever.

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land, and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except easements, restrictions and taxes accruing subsequent to December 31, 2002

IN WITNESS WHEREOF, the said Grantor has caused these presents to be executed in its name, and its corporate seal to be hereunto affixed, by its proper officers thereunto duly authorized, the day and year first above written.

Signed, sealed and delivered
in the presence of:

Witness Signature

Printed Name: Martha Bryan

Witness Signature

Printed Name: James Kierpach

WILSON SPRINGS, INC.

BY: Hugh Wilson

HUGH WILSON

Address: 425 N MARION STREET

LAKE CITY, FL 32055

ATTEST: _____

Secretary

(CORPORATE SEAL)

18-0225

MAR. 07, 2008



STATE OF FLORIDA
DEPARTMENT OF HEALTH

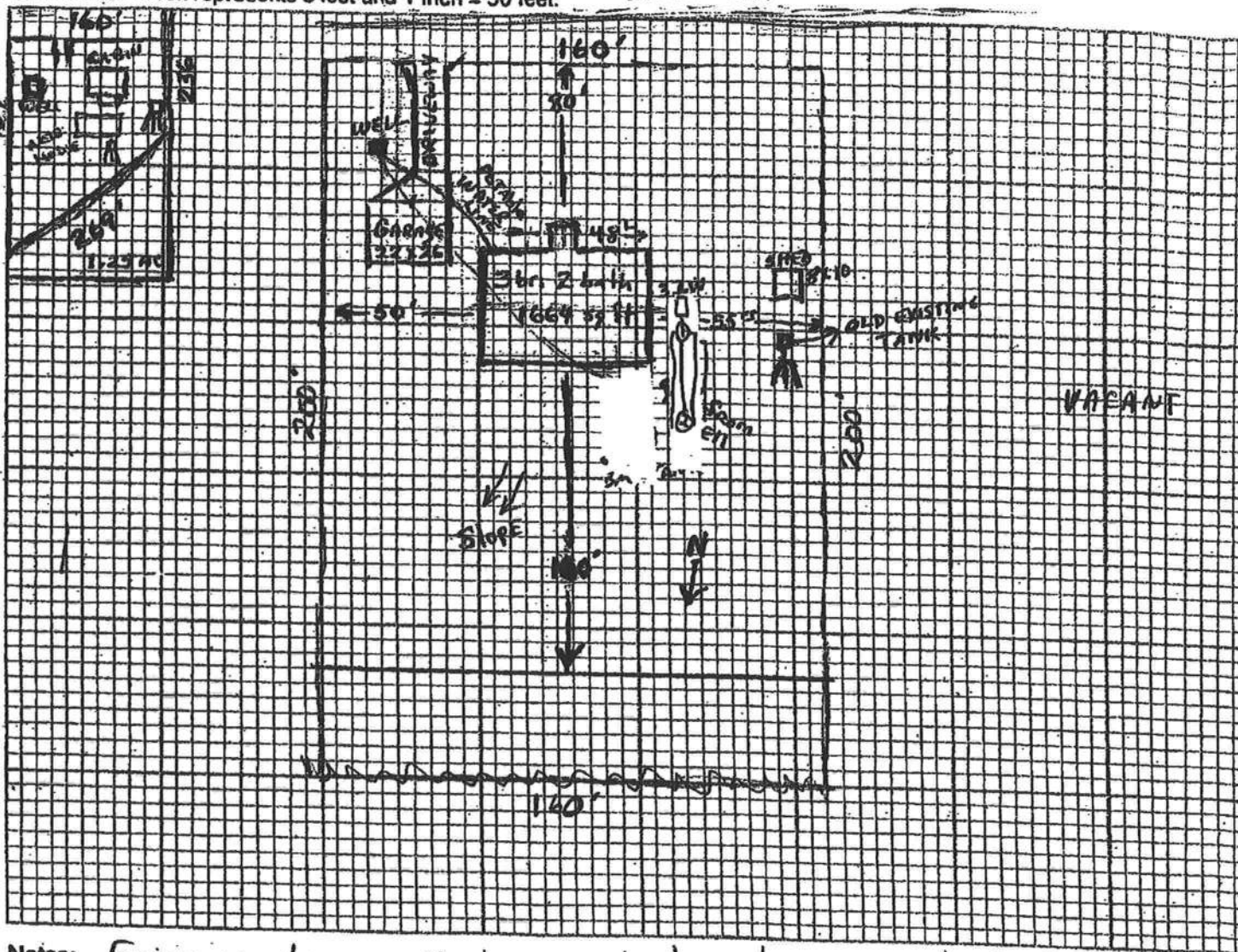
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0232

PART II - SITE PLAN

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

ROSE LN.



Notes: EXISTING TANK WILL BE CRUSHED AND COVERED BEFORE NEW CONNECTION IS MADE. IT IS AN APPROVED TANK WE NEED UNTIL THE HOUSE IS CONSTRUCTED.

REVISE 3/26/8

Site Plan submitted by:

Plan Approved ☒

By

Signature

Not Approved

4/8/08

Columb

HOME OWNER

Date 3/10/08

County Health Department

AC# 2855022

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L060927051

DATE	BATCH NUMBER	LICENSE NBR
09/27/2006	060160173	CGC056971

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

FORBES, KENNETH LEE
TEAM LUNDERMAN CONSTRUCTION INC
764 FERNANDINA ST NW
PALM BAY FL 32907

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC# 2850040

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L060927001

DATE	BATCH NUMBER	LICENSE NBR
09/27/2006	060160170	QB50488

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2007
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS
COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

TEAM LUNDERMAN CONSTRUCTION INC
2265 WOOD STREET
MELBOURNE FL 32904

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

07Y-10049KW

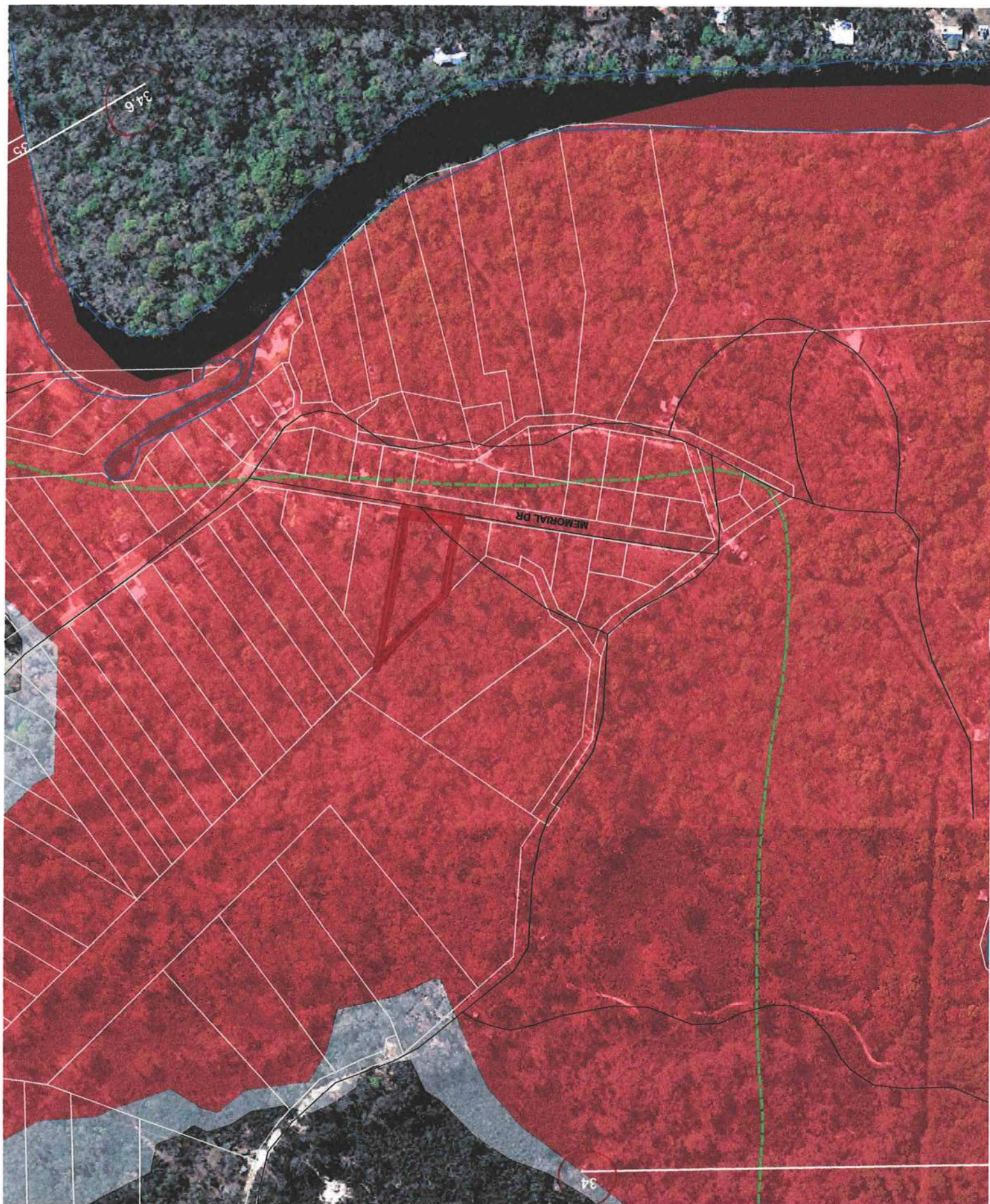
Exhibit A

WILSON SPRINGS PHASE 1

BLOCK 5 - LOT 24

COMMENCE at the Northeast corner of the Southeast 1/4 of Section 1, Township 7 South, Range 15 East, Columbia County, Florida and run S.00°15'08"E. along the East line of said Section 1 a distance of 1218.72 feet; thence S.46°13'27"W. 715.38 feet to the POINT OF BEGINNING; thence S.09°56'17"W. 454.06 feet to a point on the Northerly Right-of-Way line of SW Memorial Drive (a County road); thence N.80°02'41"W. along said Northerly Right-of-Way line 159.98 feet; thence N.10°00'01"E. 236.46 feet; thence N.46°13'27"E. 269.89 feet to the POINT OF BEGINNING.

0802-25



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Head, Johnnie	Builder:	Lunderman Perles
Address:	207 Rose Lane	Permitting Office:	Columbia
City, State:	Ft. White, FL	Permit Number:	26955
Owner:	Head	Jurisdiction Number:	221000
Climate Zone:	Central		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit/Split	Cap: 48.0 kBtu/hr SEER: 14.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	No	13. Heating systems	
6. Conditioned floor area (ft²)	1668 ft²	a. Electric Heat Pump/Split	Cap: 48.0 kBtu/hr HSPF: 9.40
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT) 7a(Sngle Default)	187.7 ft²	14. Hot water systems	
b. SHGC:		a. Electric Resistance	Cap: 40.0 gallons EF: 0.97
(or Clear or Tint DEFAULT) 7b. (Tint)	187.7 ft²	b. N/A	
8. Floor types		c. Conservation credits	
a. Slab-On-Grade Edge Insulation	R=6.0, 176.6(p) ft	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
9. Wall types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Frame, Wood, Exterior	R=15.0, 1354.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
d. N/A		MZ-H-Multizone heating)	
e. N/A			
10. Ceiling types			
a. Under Attic	R=19.0, 1668.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Garage	Sup. R=6.0, 194.0 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 19038

Total base points: 21055

PASS

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

PREPARED BY: KW

DATE: 4/17/08

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Head, Johnnie	Builder:	Forbes
Address:	207 Rose Lane	Permitting Office:	
City, State:	Ft. White, FL	Permit Number:	
Owner:	Head	Jurisdiction Number:	
Climate Zone:	Central		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit/Split	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 14.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1668 ft²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump/Split	Cap: 48.0 kBtu/hr
(or Single or Double DEFAULT) 7a(Sngle Default) 187.7 ft²			HSPF: 9.40
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Tint) 187.7 ft²		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=6.0, 176.6(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.97
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=15.0, 1354.0 ft²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=19.0, 1668.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Garage	Sup. R=6.0, 194.0 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 19038

Total base points: 21055

PASS

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

PREPARED BY: KW

DATE: 4/17/08

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

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



Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

3 March 2008

Curt Lunderman
Team Lunderman Construction
764 Fernandina Street
Palm Bay, FL 32907

RE: Building Permit Application 0802-25, Johnnie Head

Dear Curt:

The above referenced application is for a single family dwelling is located within the 100 year flood zone of the Santa Fe River. Under the County's Land Development Regulations (LDR's) a one (1) foot rise letter signed and seal by an engineer stating that once the structure is placed on the property, it will not cause the flood waters to rise greater than one (1) foot including calculations. This will need to be provided prior to the building permit being issued. In addition, the first floor elevation has to be one (1) foot above the FEMA determined flood elevation. On this parcel the flood elevation is 35 feet. Once the structure is completed, an elevation certification from a surveyor will be required before permanent power will be released.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner



JOHNNIE & SUE HEAD
ONE FOOT RISE CERTIFICATION PACKAGE

Brett Crews, P.E. 65592
P.O. Box 970
Lake City, FL 32056
Ph. 386.754.4085
brett@crewsengineeringservices.com

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**ONE FOOT RISE ANALYSIS AND CERTIFICATION
100 YEAR BASE FLOOD**

PROJECT DATA

PARCEL ID: 01-7S-15-04149-524

PROPERTY DESCRIPTION:

LOT 24 BLOCK 5 WILSON SPRINGS COMM PHSE 1-B: COMM AT NE COR OF SE1/4, RUN S 1218.72 FT, RUN S 46 DG W 715.38 FT TO POB, RUN S 09 DG W 454.06 FT TO N R/W LINE OF SW MEMORIAL DRIVE, RUN N 80 DG W 159.98 FT, N 10 DG E 236.46 FT, N 46 DG E 269.89 FT TO POB. ORB 984-1116 (SEE ATTACHED MAP)

OWNER: JONNIE AND SUE HEAD

PROJECT DESCRIPTION: RESIDENTIAL DWELLING (48'x37' SITE BUILT HOME & 26'x6' PORCH), BUILDING APPLICATION # 0802-25

FLOOD ZONE: AE

BASE FLOOD ELEVATION:

35.00', PER FEMA FLOOD PANEL 120070 0255 B

EXISTING GRADE ELEVATION (AT BUILDING LOCATION):

+/- 30.0', ELEVATION BASED ON QUAD MAP (SEE ATTACHED QUAD MAP)

CONCLUSIONS

THE PROPERTY IS LOCATED WITHIN THE FLOOD PLAIN OF THE SANTE FE AND SUWANNEE RIVERS. THE AREA OF THIS FLOOD PLAIN IS +19,000 ACRES. IN AN EFFORT TO DEMONSTRATE THE PROPOSED CONSRUCTION WILL NOT CAUSE MORE THAN A 1 FOOT RISE IN THE FLOOD ELEVATION THE FOLLOWING CALCULATION WAS PERFORMED.

AREA OF LOT = 1.27 ACRES

DEPTH OF LOT BELOW FLOOD ELEVATION = 5 FT

FLOODPLAIN VOLUME REMOVED = 5 FT * 1.27 ACRES = 6.35 ACRE-FT

FLOOD PLAIN LEVEL INCREASE = 6.35 ACRE-FT / 19,000 ACRES = .0003 FT

THIS IS VERY CONSERVATIVE CALCULATION SINCE IT ASSUMES THE ELEVATION OF ENTIRE SITE WILL BE RAISED 5'.

CERTIFICATION

I hereby certify that, to the best of my knowledge, construction of the project, as described above, will increase the flood elevations less than one foot at the project location.


4-22-08

Brett A. Crews, PE No. 65592

Columbia County Property Appraiser

DB Last Updated: 4/15/2008

Parcel: 01-7S-15-04149-524 HX

2008 Proposed Values

[Tax Record](#) | [Property Card](#) | [Interactive GIS Map](#) | [Print](#)

Search Result: 1 of 1

Owner & Property Info

Owner's Name	HEAD JOHNNIE JOE &		
Site Address	ROSE		
Mailing Address	SUE TOMPKINS HEAD 207 SW ROSE LANE FT WHITE, FL 32038		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	6716.04	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	1.270 ACRES		
Description	LOT 24 BLOCK 5 WILSON SPRINGS COMMUNITY PHASE 1-B: COMM AT NE COR OF SE1/4, RUN S 1218.72 FT, S 46 DG W 715.38 FT TO POB RUN S 09 DG W 454.06 FT TO N R/W LINE OF SW MEMORIAL DR, RUN N 80 DG W 159.98 FT, N 10 DG E 236.46 FT, N 46 DG E 269.89 FT TO POB. ORB 984-1116		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$18,000.00	Just Value	\$24,185.00
Ag Land Value	cnt: (0)	\$0.00	Class Value	\$0.00
Building Value	cnt: (1)	\$6,185.00	Assessed Value	\$24,185.00
XFOB Value	cnt: (0)	\$0.00	Exempt Value (code: HX)	\$24,185.00
Total Appraised Value		\$24,185.00	Total Taxable Value	\$0.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
5/23/2003	984/1116	WD	I	Q		\$12,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1950	Single Sid (04)	636	992	\$6,185.00

Note: All S.F. calculations are based on exterior building dimensions.

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
000100	SFR (MKT)	1.000 LT - (1.270AC)	1.00/1.00/1.00/1.00	\$18,000.00	\$18,000.00

Columbia County Property Appraiser

DB Last Updated: 4/15/2008

1 of 1

Disclaimer

This information was derived from data which was compiled by the Columbia County Property Appraiser's Office solely for the government purpose of property assessment. The information shown is a **work in progress** and should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's Office. The assessed values are **NOT CERTIFIED** values and therefore are subject to change before finalized for ad-valorem assessment purposes.

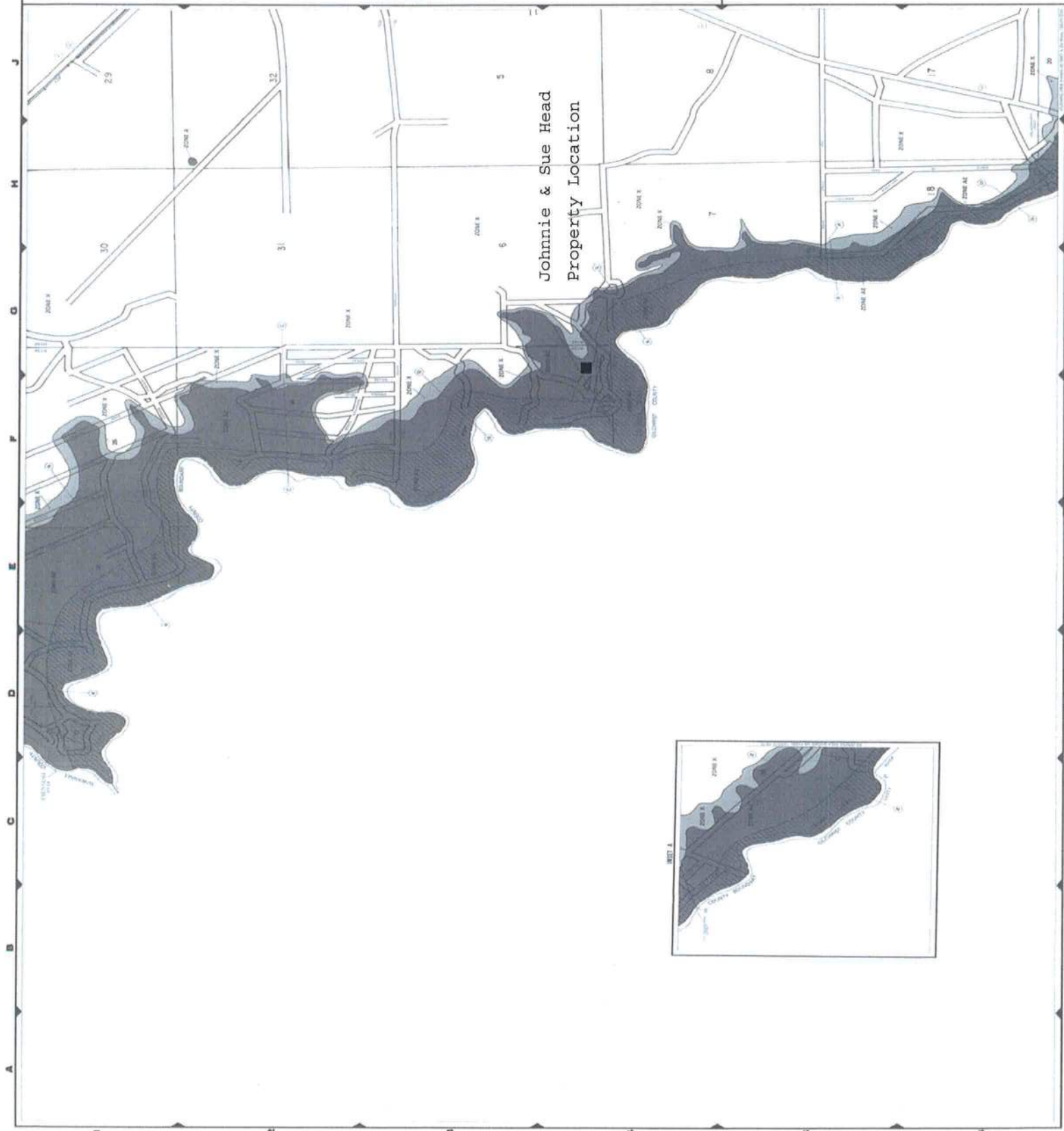
Notice:

Under Florida Law, e-mail addresses are public record. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead contact this office by phone or in writing.

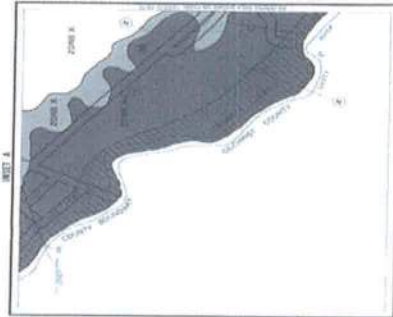
[Scroll to Top](#)

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Johnnie & Sue Head
Property Location



LEGEND

UNINSURED FLOOD DAMAGE PREVENTION
Flood zones are shown on this map to indicate areas of potential flooding. The zones are defined by the Federal Emergency Management Agency (FEMA) and are used to determine the flood insurance rates for properties in those zones. The zones are defined by the Federal Emergency Management Agency (FEMA) and are used to determine the flood insurance rates for properties in those zones.

UNINSURED FLOOD DAMAGE PREVENTION
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UNINSURED FLOOD DAMAGE PREVENTION
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UNINSURED FLOOD DAMAGE PREVENTION

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
UNINSURED AREAS

PANEL 254 OF 256

COMMUNITY PANEL NUMBER
12000 000 000
EFFECTIVE DATE:
JANUARY 6, 1983

Federal Emergency Management Agency



CES

Crews Engineering Services, LLC

P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.623.4303
FAX: 386.754.4085
crewsengineeringservices.com

HEAD ONE FOOT RISE

QUAD MAP

CES PROJECT NO.:
2008-008

SHEET:
Q1

1' Rose Letter



From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: **0802-25**

Applicant: Curtis Lunderman
Owner: Johnnie Head
Contractor: Curtis Lunderman
Property Identification # 01-7s-15-04149-542

On the date of February 22, 2008 building permit application number 0802-25 and the submitted plans for construction of a single family dwelling were reviewed. The following information or alterations to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0801-25 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Building Codes only and doesn't make any consideration toward the land use and zoning requirement

1. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
2. As required by section 13-101.2.1 of the Florida Building Code please submit form 400C-04 Building Prescriptive Envelope Method North Climate Zones 123 which shows that the construction of the structure will be constructed to meet the requirements of chapter 13 Energy Efficiency. Also submit two sets of a Manual J analysis for this structure.
3. The location of the electrical service entrance (utility company's meter) point and the interior location of the electrical circuit panel is shown on the electrical plans. At the electrical service entrance point an overcurrent protection device shall be installed on the exterior of structure, which will provide overcurrent protection for the service entry cable to the electrical panels. This overcurrent protection device shall also serve as a means of disconnecting electrical power from the utility company. Conductors used from the exterior overcurrent protection disconnect device to the panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529



Phone Number 386-758-1163
Fax Number 386-754-7088

FAX TRANSMITTAL

To: Curtis Lunderman
Johnnie Head, Dwelling

From: Joe Haltiwanger
Date Sent: 02/22/08

CC: Review of building permit application **0802-25**

Number of Pages: **three** pages including the cover page
Fax: (321) 723-0000

Message: Reference to building permit application Number:
0802-25

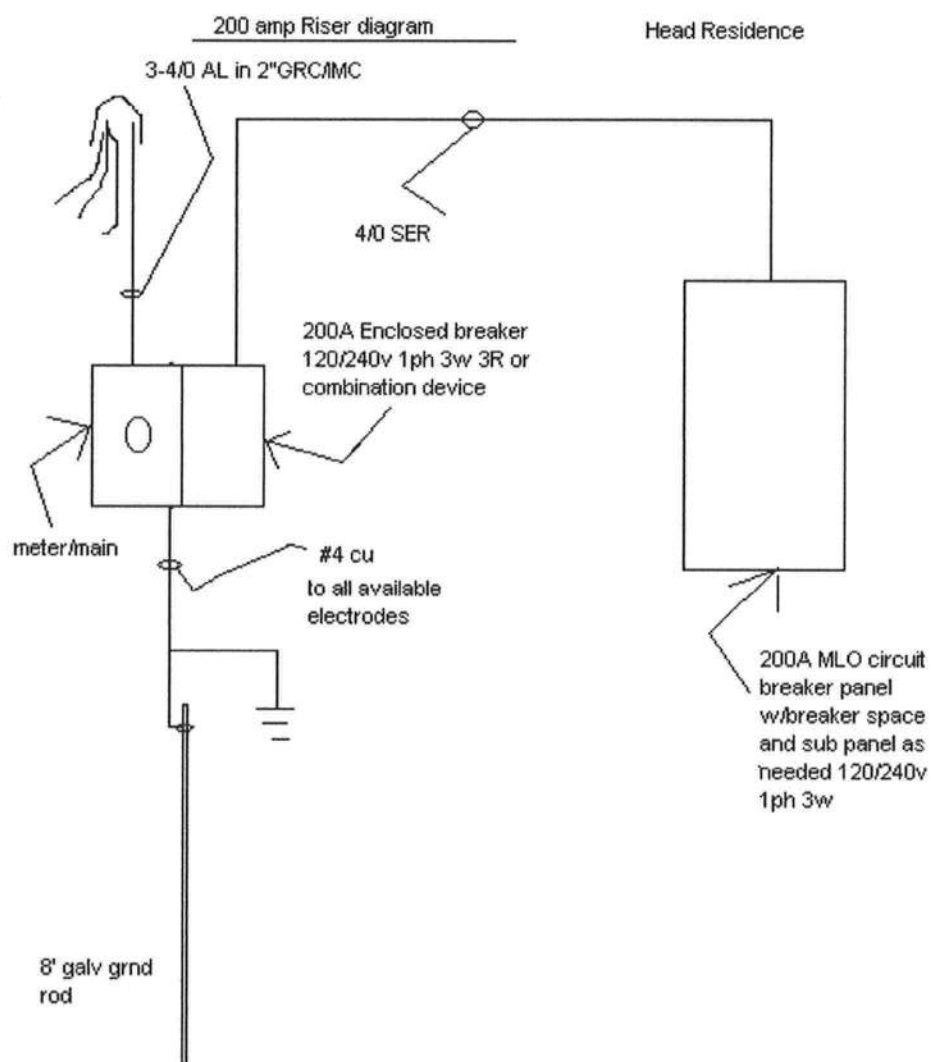
To the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.

Head Residence

Date 1/28/2008

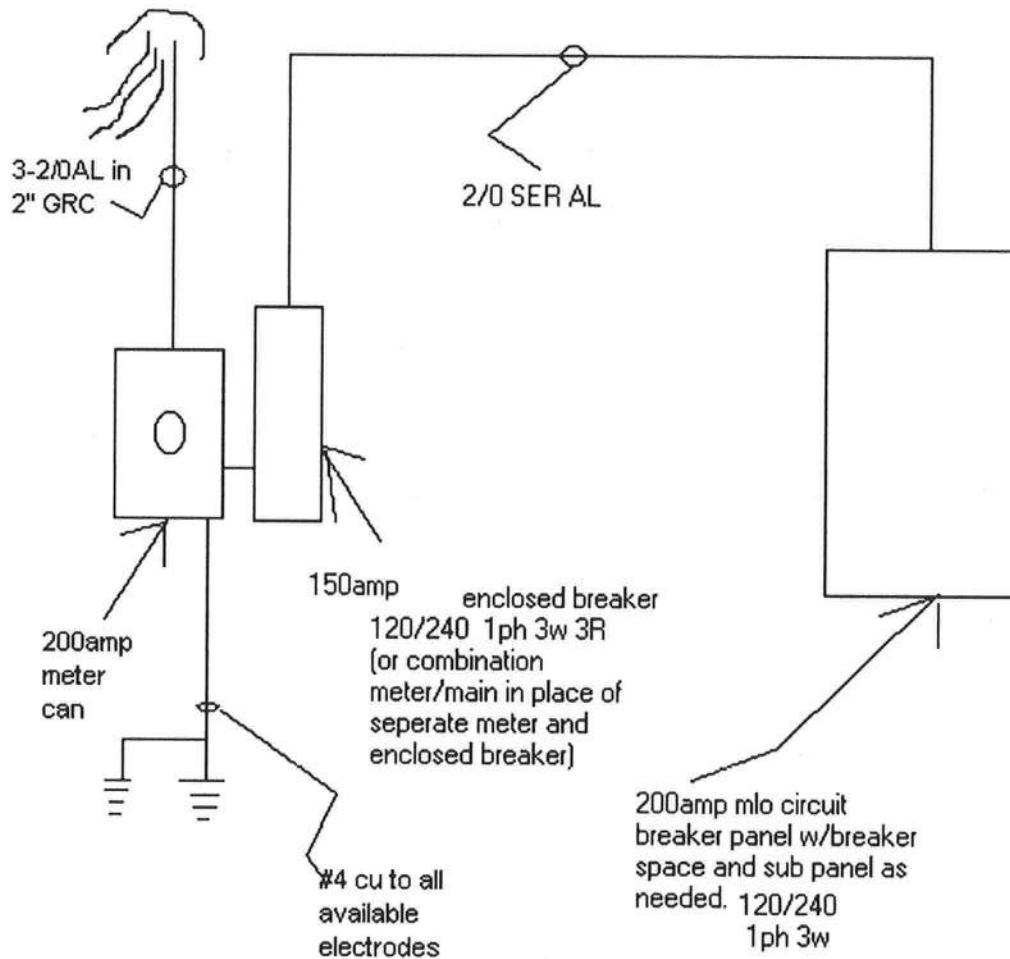
<u>Electrical load calcs</u>	<u>Qty</u>	<u>va each</u>	<u>va ext.</u>
General Lighting	1676	3	5028
Small Appl.	2	1500	3000
Laundry	1	1500	1500
Range	1	12000	12000
Oven			0
Cooktop			0
Microwave	1	1500	1500
Refrigerator	1	1000	1000
Freezer			0
Dishwasher	1	1200	1200
Disposal	1	900	900
Dryer	1	5000	5000
Trash Masher			0
Whirlpool Tub			0
Pool			0
Pool Heater			0
			0
Water Heater #1	1	4500	4500
Water Heater #2			0
Irrigation Pump			0
Well Pump			0
			0
Cental Vacuum System			0
Washer	1	1200	1200
Misc			0
Misc			0
Misc			0
Subtotal			36828
Demand for above per NEC			20731.2
A/C-Heat #1	1	10000	10000
A/C Heat #2			0
A/C Heat #3			0
Total va			30731.2
Total amps			128.05

The above figures for the equipment are estimated based on our experience.
The actual loads may differ slightly.
These calcs help us to determine an appropriate electrical service size



Note: For back to back Meter/panel, the 200amp enclosed breaker may be deleted if a 200 amp MB panel is used. (where applicable)

Head Residence



150 amp riser diagram

(Overhead)

Note: For back to back Meter/panel, the 150amp enclosed breaker may be deleted if a 150amp MB panel is used. (where applicable)

ENGINEERING PACKAGE



BUILDER :
PROJECT :
MODEL/BUILDING :

Lunderman Coast
Head Residence
HL3 HRES

LOT :
BUYER'S NAME :
ADDRESS :

207 BLK: *ROS* JOB#:

REVISION DATE : *1-28-08*

NEW LOAD : *R/01*



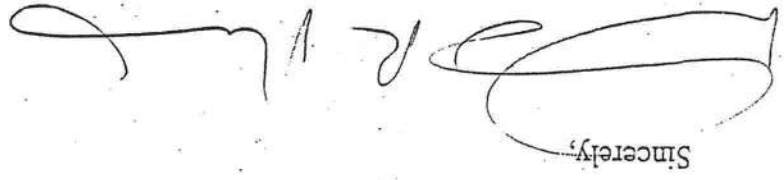
CARPENTER CONTRACTORS OF AMERICA, INC.
3900 AVENUE G. N.W.
WINTER HAVEN, FLORIDA 33880
PH (800) 959-8806 FAX (941) 294-7934

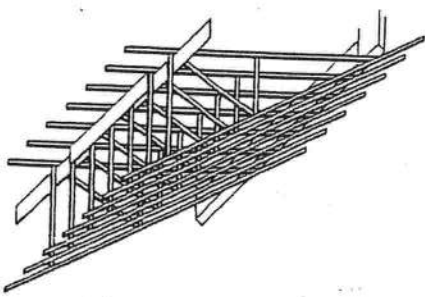
OFFICE USE ONLY:
PROJECT
LOT
BLOCK

WVAW



David R. Norris, P.E.
FL. PE# 32186
David Norris Engineering

Sincerely,




4-5-05

This letter is intended to address the issue of deflection in roof trusses. As an unavoidable fact of physics, roof trusses are allowed to deflect up to a specified amount, while still meeting deflection criteria requirements.

Although many factors contribute to the amount of deflection in a specific truss design, the difference in deflection amounts of trusses adjoining different design conditions may pose an aesthetic problem in the ceiling and/or roof plane.

One procedure that may minimize the appearance of noticeable deflection difference would be the installation of $\frac{1}{2}$ " THK. x 16" high APA CDX (or OSB) strongbacks staggered throughout the area of concern, prior to applying any dead load. The plywood strongbacks should be nailed to each truss with (8) 10d nails stacked throughout the 16" height of the strongback, and overlapped one bay (see detail below).

In lieu of plywood strongbacks, 2 x 8 #2 Southern Pine strongbacks may be used or 2 x 8 #3 S.P. with no knots or imperfections in the bottom surface. The 2 x 8 strongbacks should be nailed to each truss with (3) 16d nails into each truss.

Either choice of strongbacks should tie the trusses together and provide a more uniform deflection in the area of transition.

The strongback bracing material is in addition to any permanent building bracing specified by building designer and/or truss manufacturer, and will not adversely affect the performance of the roof trusses in any way.

If you have any questions, please feel free to contact the Customer Service Department at Carpenter Contractors of America, Inc. (863) 294-6449.

TO WHOM IT MAY CONCERN:

David Norris Engineering
Engineering and Drafting Services
Residential • Commercial Plans & Eng. • Inspections • Permitting • Specializing in Church Design
112 Coleman Road, Winter Haven, FL 33880

Phone: (863) 299-1048
(863) 291-6202
Fax: (863) 291-4305



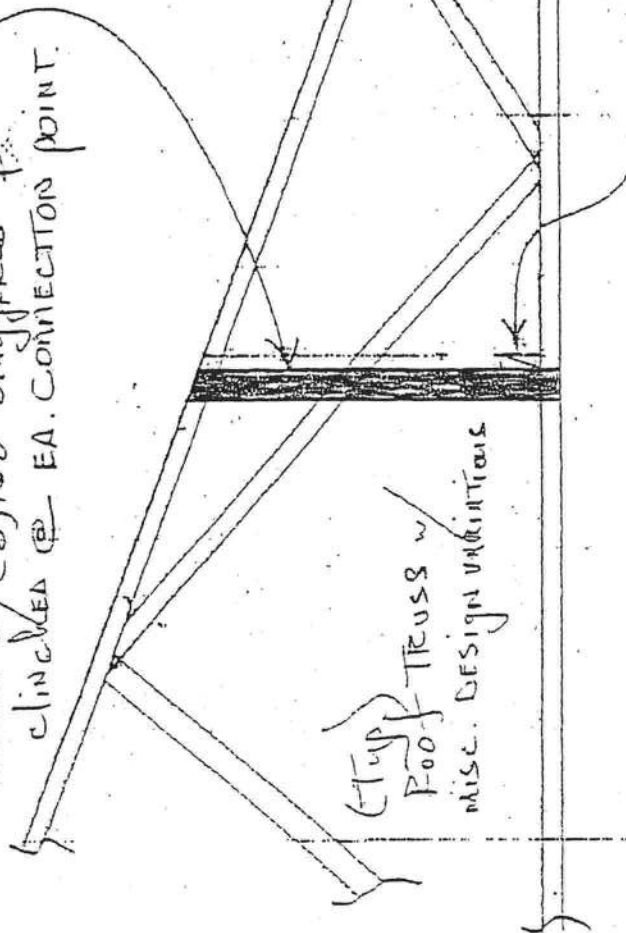
(TYP.) Stringback Support Detail
(Field Applied)

Zx6 NO. 2 Y.P. SCALs,
CUT-TO-FIT,

ON ONE SIDE OF TRUSS,
NAILED w/ (3) 16d STAGGERED 1/2"
CLINCHED @ EA. CONNECTION POINT.

[Handwritten signature]

DAVID NORRIS ENGINEERING
112 COLEMAN RD.
WINTER HAVEN, FL 33880
(863) 299-1048
FL P.E. # 32186



ATTN: DAVE NORRIS
FROM: BRAD BAKER @ CCA
RE: CAN WE GET A FLAT SEAL
FOR THIS DETAIL.

THANKS,

[Handwritten signature]

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844 (863) 422-8685
 Florida Engineering Certificate of Authorization Number: 567
 Florida Certificate of Product Approval # FL1999
 Page 1 of 1 Document ID: ITTJ081-Z7629113137

Truss Fabricator: Carpenter Contractors of America
 Job Identification: 119314-HL3 / HRES () / R/01
 Truss Count: 11

Model Code: Florida Building Code 2004 and 2006 Supplement

Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Version 7.39.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61615-31.003(5a) of the FAC

Minimum Design Loads: Roof - 37.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 130 MPH ASCE 7-02 - Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1

2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.

3. As shown on attached drawings; the drawing number is preceded by: HCUSR081

4. A 10 psf non-concurrent Bottom Chord Live Load has been considered on all roof trusses in this job.

Details: AS1-AS2-AS4-02-AS5-02-AS8-02-AS3-02-WA6-02-WA11-02-WA17-02-AR36-

#	Ref	Description	Drawing#	Date
1	64697--A2		08028947	01/28/08
2	64698--A3		08028949	01/28/08
3	64699--A1GE		08028953	01/28/08
4	64700--A9GE		08028986	01/28/08
5	64701--A8		08028959	01/28/08
6	64702--A7		08028961	01/28/08
7	64703--A6		08028962	01/28/08
8	64704--A5		08028964	01/28/08
9	64705--A4		08028975	01/28/08
10	64706--B1		08028972	01/28/08
11	64707--B2GE		08028973	01/28/08

-Truss Design Engineer-
 Walter P. Finn
 Florida License Number: 22839
 1950 Marley Drive
 Haines City, FL 33844

Seal Date: 01/29/2008

W.P. Finn

ANCHORAGE AND RESTRAINT OF LATERAL BRACING

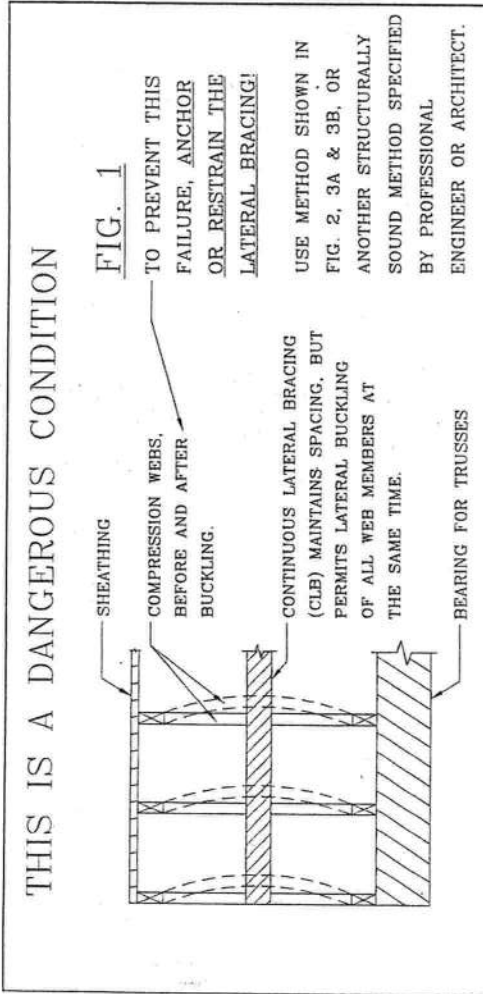


FIG. 1

TO PREVENT THIS FAILURE, ANCHOR OR RESTRAIN THE LATERAL BRACING!

USE METHOD SHOWN IN FIG. 2, 3A & 3B, OR ANOTHER STRUCTURALLY SOUND METHOD SPECIFIED BY PROFESSIONAL ENGINEER OR ARCHITECT.

FIG. 2

ANCHORAGE BY BUILDING DESIGNER (OTHER ANCHORAGE PROVISIONS FOR OTHER TYPES OF WALLS).

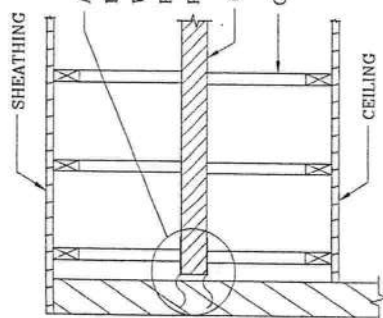
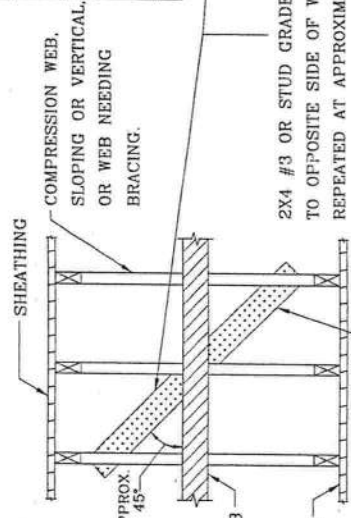


FIG. 3A

DIAGONAL BRACE RESTRAINT (DBR) WITHIN THE UNIT (3A & 3B)



2X4 #3 OR STUD GRADE DBR NAILED TO OPPOSITE SIDE OF WEB AND REPEATED AT APPROXIMATELY 20 FOOT INTERVALS TO RESIST LATERAL MOVEMENT. ATTACH TO WEBS WITH (2) 16d COMMON (0.162" X 3.5" MIN) NAILS.

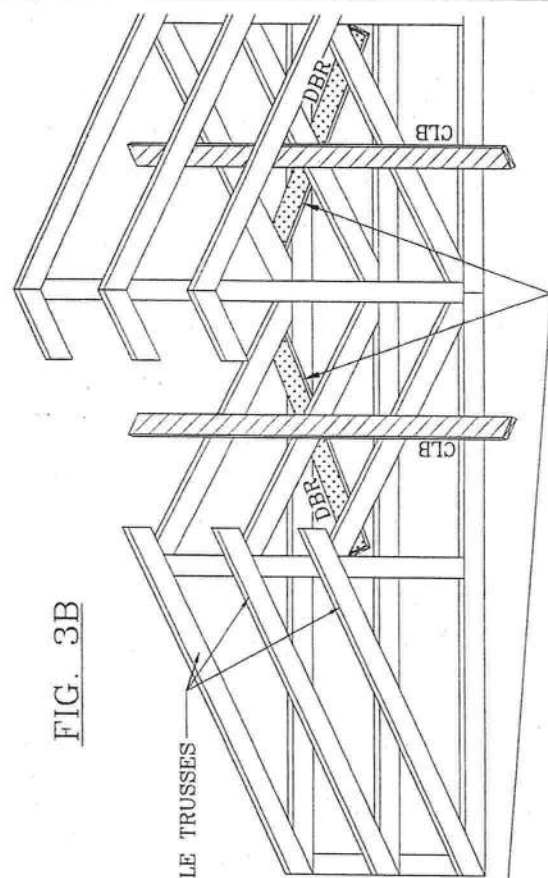


FIG. 3B

THE DRAWING BELOW (FIG. 3B) SHOWS HOW TO RESTRAIN THE CONTINUOUS LATERAL BRACING (CLB - [diagonal line symbol]). WHEN ANCHORAGE IS NOT AVAILABLE AS SHOWN IN FIG. 2 THE DIAGONAL BRACE RESTRAINT (DBR - [diagonal line symbol]) MEMBERS ARE 2X4'S, THE ENDS OF WHICH ARE ATTACHED TO TOP & BOTTOM CHORDS. THE DIAGONAL BRACE MAY BE ATTACHED DIRECTLY TO THE CLB OR TO THE WEB OPPOSITE THE CLB. USE THE SAME NAILING SHOWN IN FIG. 3A.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22314 AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL MEMBERS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/766A (W/AL552/0 ASTM A653 GRADE 40/60 (W/AL553) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, BE PERMANENTLY ATTACHED TO TRUSS. INSPECTION INDICATED BY (1) SHOWN IN THIS DESIGN SHALL BE PERMANENTLY ATTACHED TO TRUSS COMPONENT DESIGN SHOWN. THE 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.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWING 137

REF	BRACE RESTRAINT
DATE	11/1/06
DRWG	BRLBANC1106
-ENG	KGF/KAR

ASJ

November 9, 2004

Carpenter Contractors of America, Inc.
3900 Avenue G, NW
Winter Haven, FL 33880

Re: Number of Nails Increases by 41%

Dear CCA:

As a guide for calculating the spacing of nails when substituting pneumatically driven 0.128"x 3.0" nails for 16d common nails, increase the number of nails by 41%. This adjustment applies to both lateral and withdrawal values.

A "v" pattern is acceptable for staggered nailing as long as the horizontal distance between nails is maintained.

The following table lists appropriate nail spacing for the connection of girder plies.
(Based on National Design Specification For Wood Construction 2001 Edition)

SPACING OF 16D COMMON
NAILS SPECIFIED ON DESIGN.

2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

SPACING OF 0.128"x3.0"
PNEUMATIC NAILS SPECIFIED ON DESIGN.

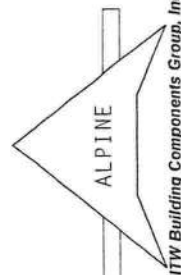
1.4" O.C
2.1
2.8
3.6
4.3
5.0
5.7
6.4
7.1
7.8
8.5
9.2
10.0
10.7
11.4

Please note that 2- ply girders require nailing from one face only.

Note: The nail spacing of 4" O.C for web bracing to be the same for 16d common nails and for 0.128" x 3.0" pneumatic nails.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND NCA (NATIONAL COUNCIL ON ALUMINUM, 1000 K STREET, N.W., WASHINGTON, D.C. 20004) FOR SAFETY INFORMATION. IF THE TRUSS IS TO BE USED IN A MANNER OTHER THAN INDICATED, THE USER 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 IPTI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AREA) AND IPTI. ITW BCG CONNECTOR PLATES ARE MADE OF 2019/10/10GA (M. 11/55/2K) ASIM A653 GRADE 40/60 (M. 11/55/2K) 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 AREA 2 OF IPTI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE QUALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IPTI 1 SEC. 2.



ITW Building Components Group, Inc
Haines City, FL 33844



REF	R081--48357
HCUSR081	05108CGL
HC-ENG DW/	
AS2	REV
JREF	R081CSDTAD

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

THIS DRAWING SPECIFIES REPAIRS FOR A TRUSS WITH CRACKED

(B) = DAMAGED AREA, 0" MIN. TO 12" MAX. LENGTH OF CRACK IN WEB.
(S) = (2) - 2X4 SO. PINE #3 SCABS. MINIMUM LENGTH OF SCAB MUST BE THE GREATER OF:

1. 68" + LENGTH OF DAMAGED AREA (B), MINIMUM OF 34"
ON BOTH SIDES OF THE DAMAGED AREA.

OR

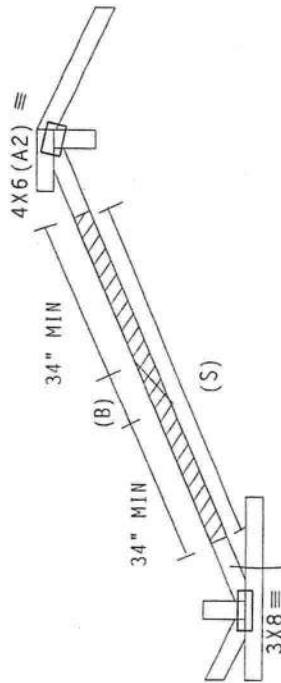
2. 80% OF THE ORIGINAL WEB LENGTH.

ATTACH ONE SCAB TO EACH FACE OF THE WEB WITH A DOUBLE ROW OF 10D COMMON WIRE NAILS SPACED 4" O.C. STAGGERED 2" WITHOUT SPLITTING LUMBER.

NOTE: FIELD REPAIRS MUST COMPLY WITH ALPINE DESIGNS AND SPECIFICATIONS.

WARNING: THIS DESIGN IS VALID ONLY FOR A SINGLE PLY TRUSS WITH DAMAGED WEBS OF 2X4 SIZE AND #3 SO. PINE GRADE. IN ADDITION, A MAXIMUM OF 1 CRACK PER WEB AND 2 CRACKED WEBS PER TRUSS ARE ALLOWED. CONTACT THE TRUSS MANUFACTURER FOR REPAIRS THAT DO NOT COMPLY WITH THIS DETAIL.

THE REPAIR SPECIFIED ON THIS DRAWING MAY BE APPLIED TO VERTICAL AND DIAGONAL WEBS. THE DETAIL DOES NOT SHOW A VERTICAL WEB ONLY TO KEEP THE DETAIL EASIER TO READ.



2X4 # 3 SO. PINE WEB ONLY.
(DIAGONAL AND/OR VERTICAL)

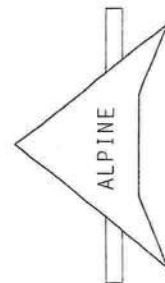
PLT TYP. Wave TPI

Design Crit: TPI-2002

7.02.0527.09

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

Scale = .3125"/Ft.



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Haines City, FL 33844



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 ALPINE DRIVE, HAINES CITY, FL 33844), AND BECA (WOOD TRUSS - COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, HAINES CITY, FL 33810) FOR SAFETY INFORMATION. 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 TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PJA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/16GA (2017/SS/2X) ASH 6053 GRADE 40/60 (4" x 1/4" SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING DESIGN. ITW BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS CONFORMER FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	PSF	REF	R081--48357
TC DL	PSF	DATE	03/28/05
BC DL	PSF	DRW	HCUSR081 05087468
BC LL	PSF	HC-ENG	/
TOT.LD.	PSF	SEQN	52836
DUR.FAC.			AS4-02
SPACING	24.0"	JREF	R081CSDTAD

* ATTACH ONE SCAB TO FACE OF TRUSS WITH 0.128"x3" GUN NAILS AT 2" O.C. STAGGERED THROUGHOUT TOP CHORD. SCAB TO MATCH THE SIZE AND MATCH OR EXCEED THE GRADE AS SPECIFIED ON THE ALPINE DRAWING.

NOTE: FOR 140 MPH DESIGNS, 300# ADDITIONAL UPLIFT CONNECTION REQUIRED TO UPLIFT AMOUNT SPECIFIED ON ALPINE DRAWING.

(Customer Specific Details -)

Design Criteria: TPI (STD)

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

REF	R081 - - 48357
DATE	03/28/05

DRW	HCUSR081	0508749
HC-ENG	DR/DR	
SEQN	-	24952
	AS5-02	
REF-	R081CSDTAD	

BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

****IMPORTANT****, FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN CONDITIONS MAY CAUSE DAMAGE TO PROPERTY, PERSONAL INJURY, OR LOSS OF LIFE. THE TRUSS DESIGNER CONGRATULATES YOU ON YOUR CHOICE OF THE TRUSS SYSTEM AND WELLS RIGID STEEL JOINTS. ALL CONNECTOR PLATES ARE MADE OF 2010/16GA (W-125)PS ASH STRIP GRADE 40/60 U.S.A. GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SMALL DEF. PER AREA &2 OF 171-2002 SEC.3, & SEAL ON THIS CONNECTIONS IS NECESSARY, CONTACT ITW BEG AT PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING THIS TRUSS. ITW BEG WILL NOT BE RESPONSIBLE FOR ANY OTHER ENGINEERING RESPONSIBILITY OF THE BUILDING DESIGNER PER AREA 171-2002 SEC.2.



ALPINE
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 Haines City, FL 33844

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE FOR MINIMUM ALTERNATIVE BRACING.

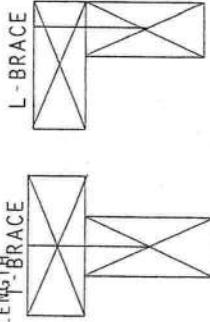
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

T-BRACING OR L BRACING

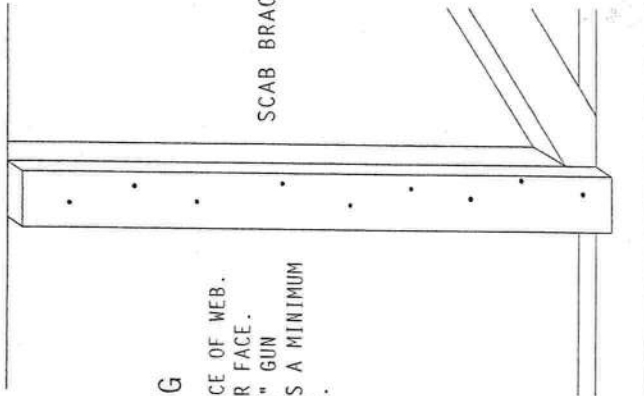
APPLY TO EITHER SIDE OF WEB
NARROW FACE. ATTACH WITH 16d
COMMON NAILS 6" O.C. BRACE IS A
MINIMUM OF 80% OF WEB MEMBER
LENGTH.



SCAB BRACING

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 100 OR 128X9" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH.

SCAB BRACE



PLT TYP. Wave TPI

Design Crit: TPI-2002

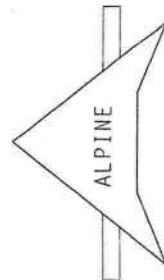
7.02.0527.09

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

Scale =.25"/Ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (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 SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSS.



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Haines City, FL 33844



TC LL	30.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	55.0 PSF
DUR.FAC.	1.33
SPACING	24.0"

REF	R081--48357
DATE	03/28/05
DRW	HCUSR081 05087483
HC-ENG /	
SEQN-	52927
AS8-02	
JREF-	R081CSDTAD

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

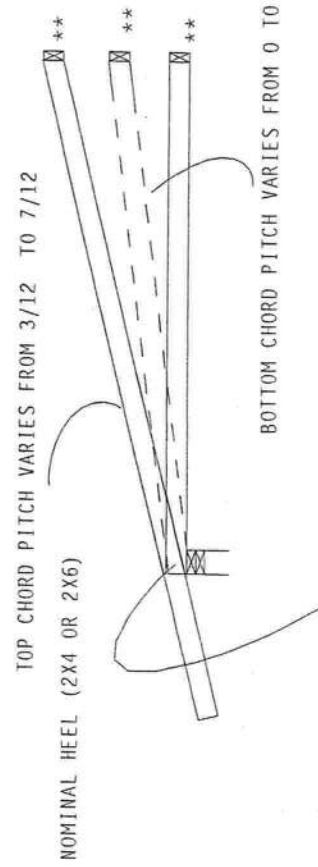
140 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg. Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Roof overhang supports 2.00 psf soffit load.

- ** PROVIDE (3)-16d TOE-NAILS AT TOP CHORD.
- ** PROVIDE (3)-16d TOE-NAILS AT BOTTOM CHORD.

THIS DESIGN IS INTENDED FOR REPAIRS ONLY.

LOADING SCHEMES:	
T.C.LL= 30 PSF	T.C.LL= 20 PSF
T.C.DL= 15 PSF	T.C.DL= 7 PSF
B.C.DL= 10 PSF	B.C.DL= 10 PSF
TOTAL = 55 PSF	TOTAL = 37 PSF
DURATION= 1.25	DURATION =1.25
SPACING = 24" O.C	SPACING = 24" O.C



DOTTED LINES REPRESENTS BOTTOM CHORD PROFILE OF SCISSOR TYPE JACKS.

BOTTOM CHORD PITCH VARIES FROM 0 TO HALF TOP CHORD PITCH

(4) 16d COMMON NAILS STAGGERED AND CLINCHED WITHOUT SPLITTING LUMBER

REACTION AND UPLIFT SHOWN ARE BASED ON THE WORST CASE LOADING CONDITION.

UP TO 7-0-0 Over 3 Supports
R-621 U-284 W-4"

Design Crit: TPI-2002 (Customer Specific Details - MONO 30/15/10 @1.25)

7.02.0527.09 QTY:1 FL/-/-/-/E/-/-		Scale = .375"/Ft.	
TC LL		REF R081 - 48357	
TC DL		DATE 04/20/05	
BC DL		DRW HCUSR081 051108AB	
BC LL		HC-ENG DR/DR	
TOT.LD.		SEQN- 47749 REV	
DUR.FAC.		AS3_02	
SPACING 24.0"		JREF- R081CSDTAD	

ALPINE

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Haines City, FL 33844

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO FIRST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MONROE AVE., SUITE 200, MOONSON, WI 53019) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MOONSON, WI 53019) FOR ADDITIONAL INFORMATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY NAIAP) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (W-11/5/1) ASTM A553 GRADE 40/50 (4. E/D, 5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. A SEAL ON THIS PLATE SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. THE SOLE RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN, SHOPPING, THE QUALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

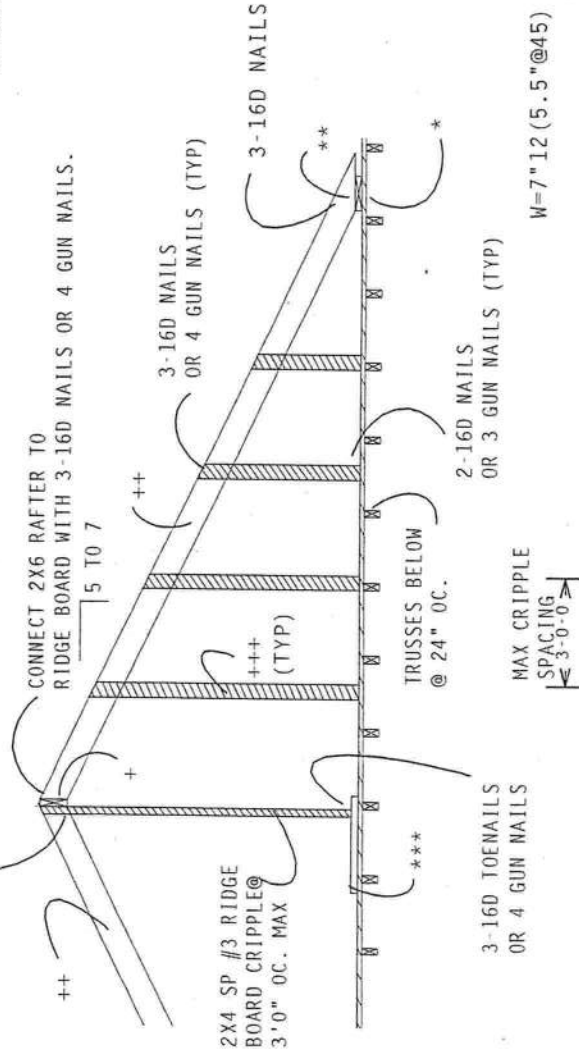
THIS DETAIL IS VALID WHEN USED IN CONJUNCTION WITH ALPINE DESIGNED TRUSSES ONLY.

- + 2X8 SP #2 RIDGE BOARD.
- ++ 2X6 SP #2 RAFTER
- +++ 2X4 SP #3 CRIPPLE

NOTE: FOR CRIPPLES LESS THAN 75" IN LENGTH, NO BRACE REQUIRED. FOR CRIPPLES LESS THAN 96" BUT GREATER THAN 75" IN LENGTH, 2X4 "T" BRACE OR SCAB BRACE REQUIRED. SP #3. FULL LENGTH, FASTEN WITH 16D NAILS @ 4" OC. OR GUN NAILS @ 3" OC. MAXIMUM CRIPPLE LENGTH IS 96"

CONNECT RIDGE BOARD CRIPPLE TO RIDGE BOARD WITH 2-16D NAILS OR 3 GUN NAILS.

CONNECT 2X6 RAFTER TO RIDGE BOARD WITH 3-16D NAILS OR 4 GUN NAILS.



NOTE: EDGE DISTANCES, END DISTANCES AND SPACING FOR ALL NAIL CONNECTIONS MUST BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD.

ALL CONNECTIONS SPECIFIED HEREIN ACCOUNT FOR BOTH DOWNWARD (GRAVITY) AND UPLIFT (WIND) LOADS. (STRAPPING NOT REQUIRED)

NOTE: USE 0.128"x3" GUN NAILS WHERE SPECIFIED.

*** 4X2 BLOCK REQUIRED IF RIDGE BOARD CRIPPLE IS NOT SUPPORTED DIRECTLY BY A TRUSS BELOW. CONNECT TO DECKING WITH 8D OR GUN NAILS @ 2" OC.

** HORIZONTAL CUT MAY BE SQUARE CUT OR BEVEL CUT TO MATCH TOP CHORD PITCH
* BEARING TO BE SUPPORTED THROUGHOUT ITS ENTIRE LENGTH BY 2'-0" OC. TRUSS AND DIAPHRAGM SYSTEM. CONNECT TO EACH SUPPORTING TRUSS TOP CHORD BELOW WITH 4-16D OR 5 GUN NAILS.

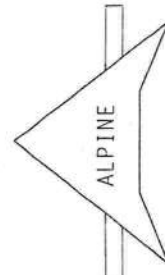
140 MPH WIND, 15.0 FT MEAN HGT, ASCE 7-02, PART. ENC. BLDG. LOCATED ANYWHERE IN ROOF, CAT II, EXP. C. WIND TCCL=5.0 PSF, WIND BCCL=5.0 PSF.

PLT TYP. Wave TPI-2002

Design Criteria: TPI (STD)

QTY:1

FL/-1/-E/-/-



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THESE BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 ALPINE DRIVE, SUITE 310, ALPINE, CA 91901) AND ICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, HOLIDAY, FL 32709) FOR SAFETY INSTRUCTIONS. 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 TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/FA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/1060A (40/55/85) ASH 6060 (IN. 2/11-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. A SEAL ON THIS DRAWING INDICATES THAT THE TRUSS HAS BEEN INSPECTED AND APPROVED BY THE TRUSS COMPONENT DESIGN SHOP. THE SUIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	16.0 PSF	REF	R081 - 48357
TC DL	15.0 PSF	DATE	03/28/05
BC DL	0.0 PSF	DRW	HCUSR081 05087463
BC LL	0.0 PSF	HC-ENG	/
TOT.LD.	31.0 PSF	SEQN	- 24891
DUR.FAC.	1.25	WA6-02	
SPACING	24.0"	JREF	- R081CSDTAD

(WALL 02)

OUTLOOKER CONNECTION TABLE: (ASCE 7-02, CAT 11, 30'0" MH)

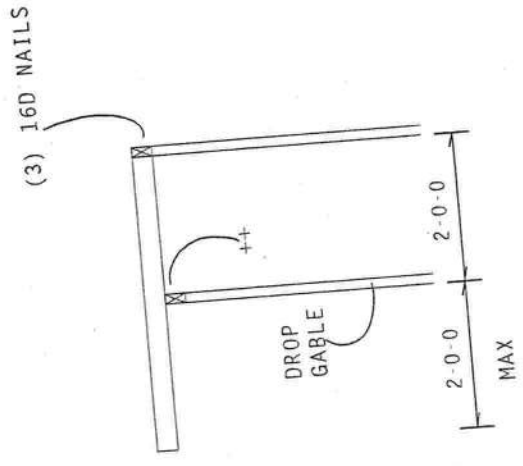
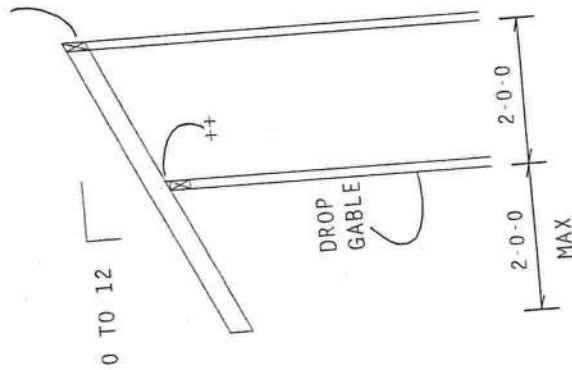
130 MPH, ENC BLDG, EXP B OR C: 400# UP OR DOWN.
140 MPH, ENC BLDG, EXP C: 600# UP OR DOWN.
140 MPH, PART. ENC BLDG, EXP B: 600# UP OR DOWN.
140 MPH, PART. ENC BLDG, EXP C: 800# UP OR DOWN.
140 MPH, PART. ENC BLDG, EXP C: 800# UP OR DOWN.

ALTERNATE LOAD CASES

TCLL	20.0 PSF	TCLL	30.0 PSF	TCLL	20.0 PSF	TCLL	20.0 PSF
TCOL	7.0 PSF	TCOL	15.0 PSF	TCOL	15.0 PSF	TCOL	20.0 PSF
BCOL	10.0 PSF	BCOL	10.0 PSF	BCOL	10.0 PSF	BCOL	10.0 PSF
TOT.LD.	37.0 PSF	TOT.LD.	55.0 PSF	TOT.LD.	45.0 PSF	TOT.LD.	50.0 PSF
DUR.FAC.	1.25	DUR.FAC.	1.33	DUR.FAC.	1.25	DUR.FAC.	1.25

Note: All Plates Are W2X4 Except As Shown.

(3) 16D NAILS



Design Criteria: TPI(STD)

PLT TYP. Wave TPI-2002



QTY: 1	FL/-/1/-/E/-/-	REF R081-48357
TC LL	20.0 PSF	DATE 03/28/01
TC DL	7.0 PSF	DRW HCUSR081 05087
BC DL	10.0 PSF	HC-ENG /
BC LL	0.0 PSF	SEQN - 24858
TOT.LD.	37.0 PSF	WALL-02
DUR.FAC.	1.25	JREF- R081CSDT/
SPACING	24.0"	

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE BUILDING COMPONENTS SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PANEL INSTITUTE, 218 NORTH E STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (WOOD TRUSS CONNECTIONS, UNLESS OTHERWISE INDICATED TOP CHORDS SHALL HAVE OTHERWISE INDICATED TOP CHORDS). THE INSTALLATION CONTRACTOR SHALL HAVE THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE SUBMITTAL SHALL BE IN ACCORDANCE WITH THE DESIGN. THE SUBMITTAL SHALL BE IN ACCORDANCE WITH THE DESIGN. THE SUBMITTAL SHALL BE IN ACCORDANCE WITH THE DESIGN.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE TRUSS IN CONFORMANCE WITH THE DESIGN. THE SUBMITTAL SHALL BE IN ACCORDANCE WITH THE DESIGN. THE SUBMITTAL SHALL BE IN ACCORDANCE WITH THE DESIGN. THE SUBMITTAL SHALL BE IN ACCORDANCE WITH THE DESIGN.

Strongback Bridging Guidelines for Roof Trusses

Strongback bridging for roof trusses is not a requirement of ANSI-TPI 1-2002 but it is a strongly recommended guideline by Carpenter Contractors of America. It serves the following two functions:

- 1) Bridging aligns the bottom chords after they are set so they are uniform along the ceiling line. This, in turn helps minimize "wavy ceilings" after the installation of drywall.
- 2) Bridging helps 'planting-out' the transitional or relative deflection of adjacent trusses due to an offset in spans.

In either case, strongback bridging should not be attached to adjacent trusses that need to be jacked into place more than $\frac{1}{4}$ inch.

Strongback bridging in roof trusses does not serve as temporary or permanent bracing and is not intended to help distribute or share design loads between trusses. Consequently, no design loads have been accounted for with this detail and continuous strongback bridging should not be attached between common and girder trusses that have more than $\frac{1}{4}$ inch differential deflection.

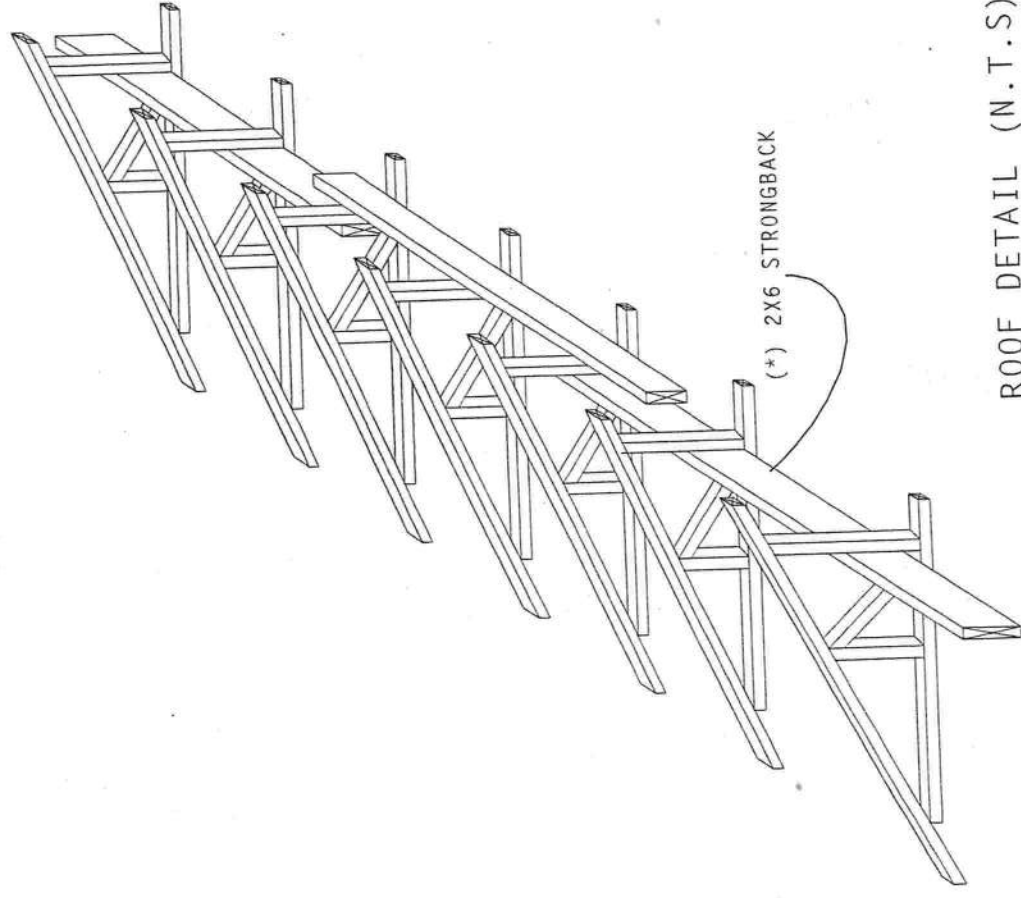
STRONGBACKS SHOULD BE ATTACHED TO WALLS AT THEIR OUTER ENDS OR RESTRAINED BY OTHER MEANS.

STRONGBACKS SHALL BE A MINIMUM OF 2X6, AND SHALL BE ATTACHED WITH A MINIMUM OF THREE 16d COMMON NAILS TO A 2X4 VERTICAL WEB MEMBER

The graphic shown on this detail is for generic illustrative purposes only. The exact location of strongback bridging will be specified by Carpenter Contractors of America.

The use of strongback bridging shall in no way interfere with any other design considerations specified by the Engineer of Record or Building Designer.

The nailing requirements shown are consistent with ANSI/TPI 1-2002 for strongback bridging.



ROOF DETAIL (N.T.S.)

(N.T.S - Not To Scale)

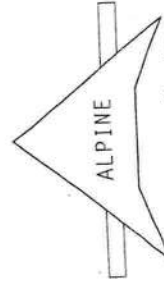
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

7.31.1102.187

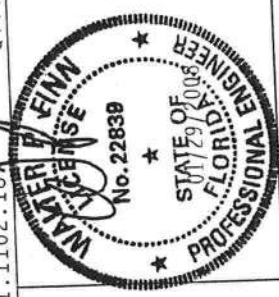
QTY:1	FL/-/-/-/E/-/-	P
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PSF	RFF	R081--48357
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PLT TYP. Wave



ITW Building Components Group, Inc.
Haines City, FL 33844

[illegible]

(119314 HL3 / HRES () / R/01 - A2)

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

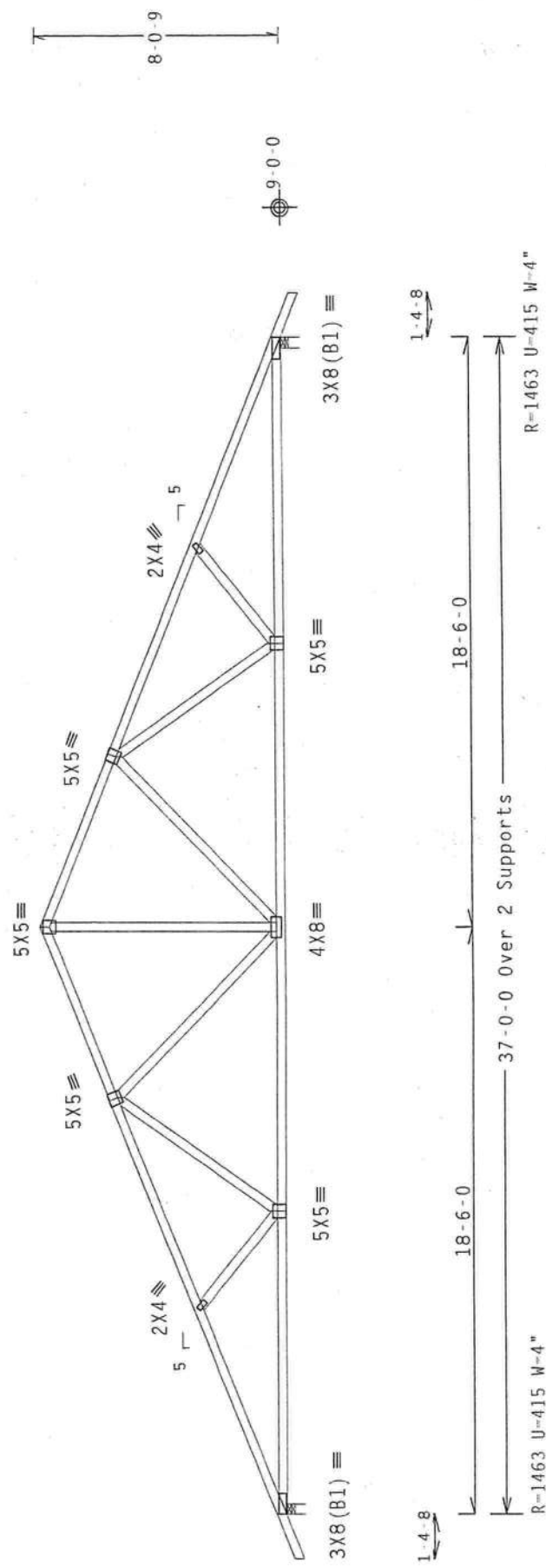
130 mph wind, 15.00 ft mean hgt. ASCE 7-02. CLOSED bldg. Located anywhere in roof, CAT II, EXP B. wind TC DL-4.2 psf, wind BC DL-5.0 psf. Iw=1.00 GCpl(+/-)-0.18

A rigid ceiling or continuous lateral bracing at 24" O.C. Must be properly attached to the bottom chord.

Wind reactions based on MWFRS pressures.

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

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



PLT TYP. Wave

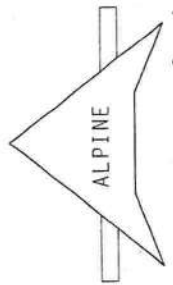
Design Crit: TPI-2002 (STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.39.1018.02

QTY: 4	FL / - / 1 / - / E / - / -	Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R081 - - 64697
TC DL	7.0 PSF	DATE 01/28/08
BC DL	10.0 PSF	DRW HCUSR081 08028947
BC LL	0.0 PSF	HC-ENG KD/WPF *
TOT.LD.	37.0 PSF	SEQN- 90229
DUR.FAC.	1.25	FROM BCV
SPACING	24.0"	JREF- 1TEJ081_Z76



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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 THIS DESIGN, OR FAILURE TO FOLLOW THE INSTRUCTIONS OF THIS DESIGN, SHALL BE THE RESPONSIBILITY OF THE USER. CORRELATE PLATES ARE MADE OF 20/10/16GA (0.0155/0.0156) ASIM A653 GRADE 40/80 (IN. K/11.55) 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 ANNEX 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 ANSI/TPI 1 SEC. 2.



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

(119314-HL3 / HRES () / R/01 - A3)

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

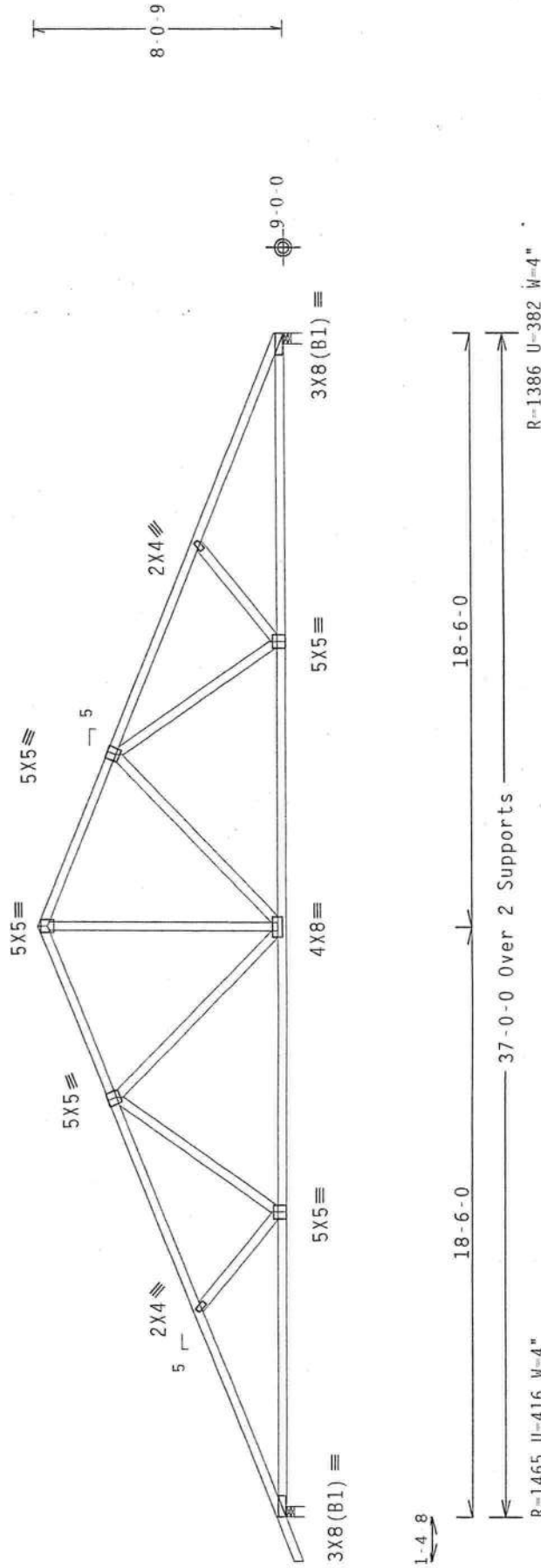
130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, LW=1.00 GCpi(+/-)-0.18

A rigid ceiling or continuous lateral bracing at 24" O.C. Must be properly attached to the bottom chord.

Wind reactions based on MWFRS pressures.

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

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



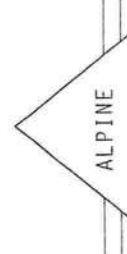
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

(119314-HL3 / HRES () / R/01 - A3)

QTY: 6

Scale = .1875" / Ft.

 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 0278	 WALTER P. FINN LICENSE No. 22239 STATE OF FLORIDA PROFESSIONAL ENGINEER Jan	FL / - / 1 / - / E / - / -		TC LL	20.0 PSF	REF	R081 - -	64698
		QTY: 6		TC DL	7.0 PSF	DATE	01/28/08	
		7.39.1018.02		BC DL	10.0 PSF	DRW	HCUSR081	08028949
		7.39.1018.02		BC LL	0.0 PSF	HC-ENG	KD/WPF	*
		7.39.1018.02		TOT.LD.	37.0 PSF	SEQN-	90222	
				Dur.FAC.				1.25
SPACING				24.0"	JREF-	1TEJ081_Z76		

130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-) = 0.18

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

Refer to drawing HCUR081_05087488 or 458 for stud verticals and bracing details. Gable end has been designed for in-plane loads only. It is the responsibility of the building designer to design the roof and ceiling diaphragms and specify connections to transfer all out of plane loads into the ceiling diaphragms.

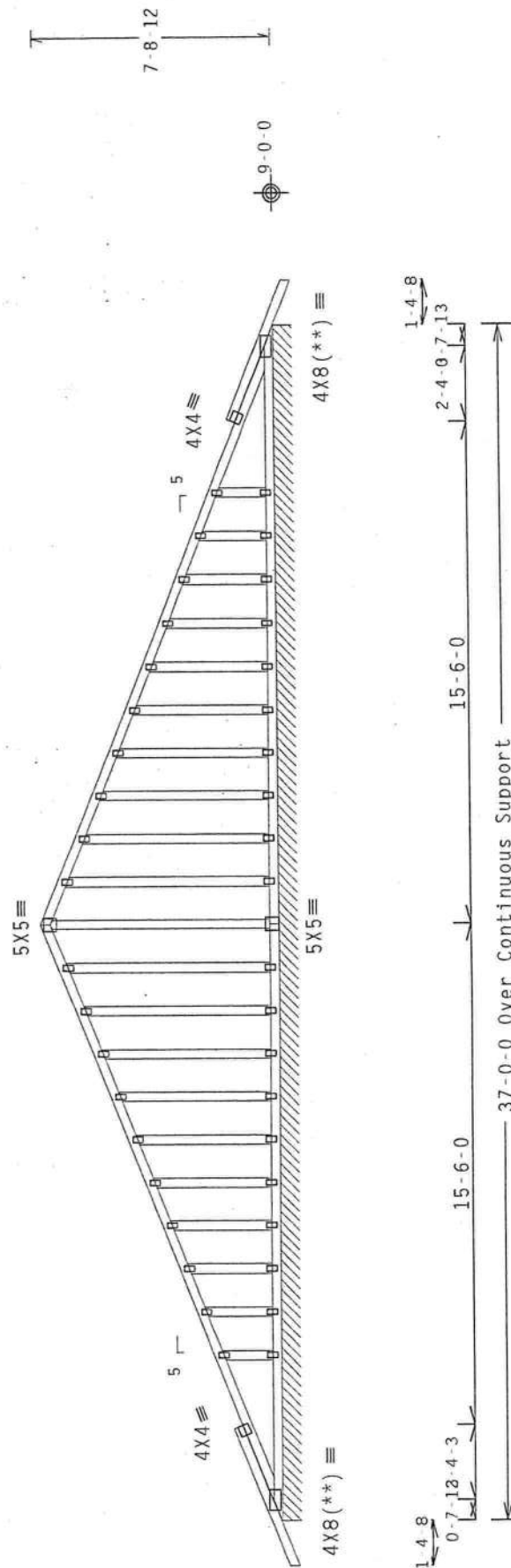
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind reactions based on MWFRS pressures.

A rigid ceiling or continuous lateral bracing at 24" O.C. Must be properly attached to the bottom chord.

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

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



R-79 P I F II-22 P I F W-37-0-0

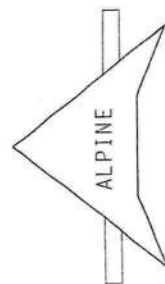
Note: All Plates Are 2X4 Except As Shown.

PLT TYP. Wave

Scale = .1875" / Ft.

NAME	ISSA MODEL 4.0414	CHIEF OF BUREAU	INCHARGE INC. ADV. BUREAU	1.39.1018.02
CCq/KI=I.00(1.23)/10(0)				

CG/RT=1.00(1.25/75.0)
****WARNING**** TROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
 REFER TO DESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 228
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND MITA (WOOD TRUSS COUNCIL OF AMERICA, 6300
 ENTERPRISE LANE, MOHICAW, MI 48371) 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.

[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization # 0 278

	TC LL	20.0 PSF	REF R081 - - 64699
	TC DL	7.0 PSF	DATE 01/28/08
	BC DL	10.0 PSF	DRW HCUSR081 08028953
	BC LL	0.0 PSF	HC-ENG KD/WPF
	TOT. LD.	37.0 PSF	SEQN - 90236
	DUR. FAC.	1.25	FROM BCV
	SPACING	24.0"	JREF - 1TEJ081_276

130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-4.2 psf, wind BC DL-5.0 psf. $I_w=1.00$ GCpi(+/-)-0.18

Gable end supports 8" max rake overhang.

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

Refer to drawing HCUSR081 05087488 or 458 for stud verticals and bracing details. Gable end has been designed for in-plane loads only. It is the responsibility of the building designer to design the roof and ceiling diaphragms and specify connections to transfer all out of plane loads into the ceiling diaphragms.

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

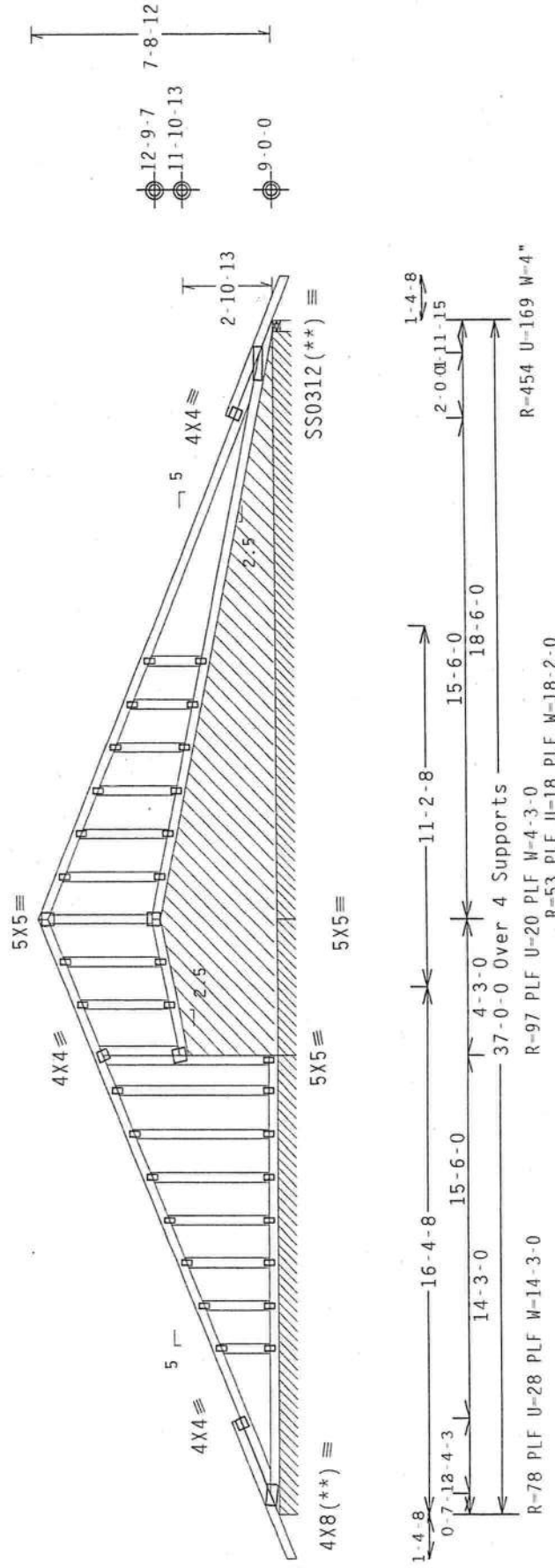
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind reactions based on MWFRS pressures.

A rigid ceiling or continuous lateral bracing at 24" O.C. Must be properly attached to the bottom chord.

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

Shim all supports to solid bearing.



Note: All plates are 2X4 except as shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS, Wave

1018.02

Scale = .1875"/Ft.

WARNING** FRASSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND SPACING. REFER TO NCST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPT (CRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND MITA (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 PROPERLY ATTACHED RIGID BEAMING.

[illegible]

TC LL	20.0 PSF	REF R081 - 64700
TC DL	7.0 PSF	DATE 01/28/08
BC DL	10.0 PSF	DRW HCUSR081 08028986
BC LL	0.0 PSF	HC-ENG MAC/WPF
TOT.LD.	37.0 PSF	SEQN - 90360
DUR.FAC.	1.25	FROM BCV
SPACING	24.0"	JREF - 1TEJ081_Z76

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#3	

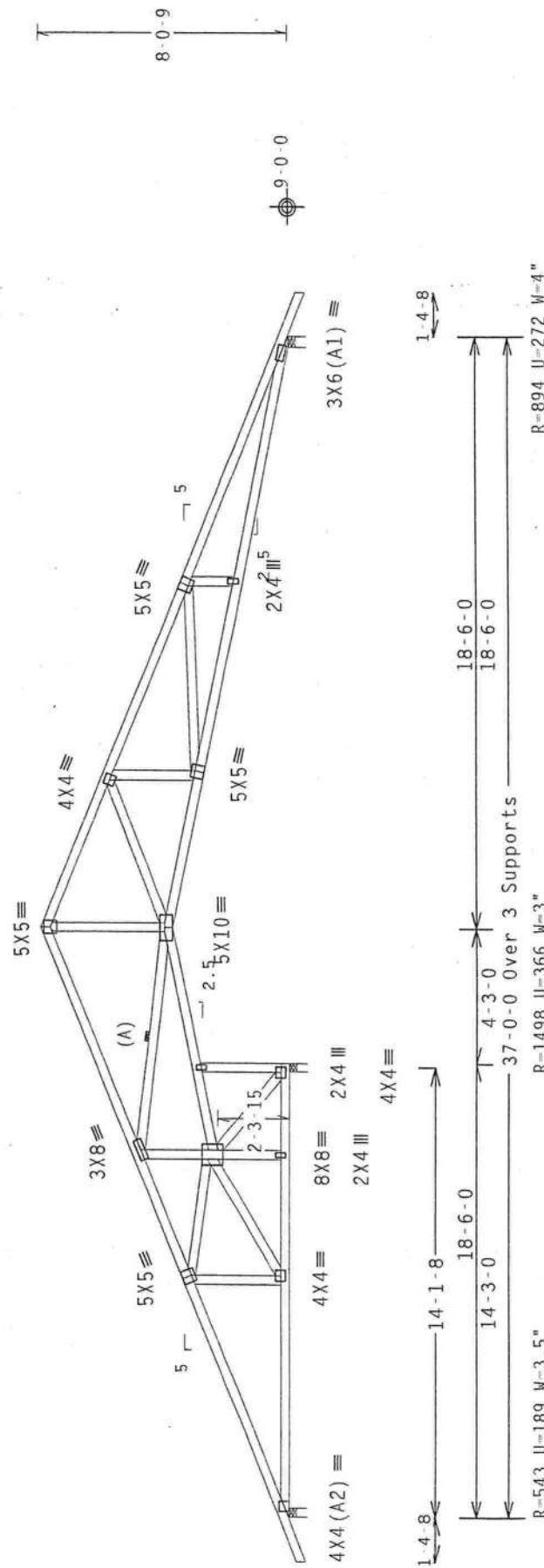
130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) or scab bracing may be used in lieu of CLB bracing. substitute (1) scab for (1) CLB and (2) scabs for (2) CLB'S where shown. Bracing to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6"OC.

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

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



(119314-HL3 / HRES () / R/01 - A8)

Design Crit: TPI-2002(STD)/FBC
(119314-HL3 / 119314-HL3)

PLT TYP. Wave

QTY:2 FL/-/1/-/E/-/-

Scale = .1875"/Ft.

*****WARNING**** THESES PROFILE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO MODEL BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CRUSS-PALM TRUST FELLO, 2100 CLEGG, CLEVELAND, OH 44106-1400, FOR A COMPLETE LIST OF SAFETY PRECAUTIONS TO PREVENT THESE INJURIES. UNLESS OTHERWISE INDICATED, NO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND NOTING CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

TTW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 0 278

(119314-HL3 / HRES () / R/01 - A7)

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

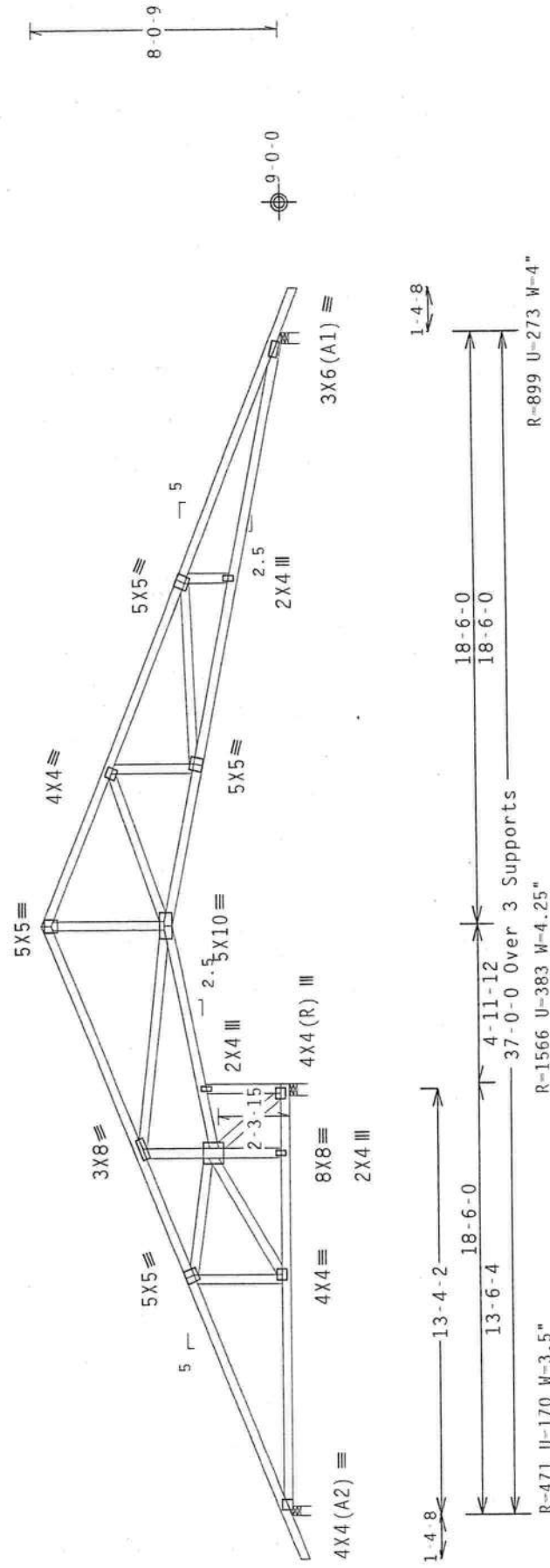
130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

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

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

Wind reactions based on MWFRS pressures.

Shim all supports to solid bearing.



(1119314-HI 3 / HRES () / R/01 - A7)

Design Crit: TPI-2002(STD)/FBC

$$C\alpha/RT=1.00(1.25)/10(0) \quad 7.39.1018.02$$

Scale = .1875"/Ft.

0TY·1 EI /- /1 /- /E /- /- /-

E11-111-1F1-1-

Scal

le

1.

1875

5" / F

7.

PIT TYP. Wave

WARNING TRUSSES RIGIDLY EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI (JOINTING COMPATIBILITY INFORMATION), FLOORING, FLOORING, PLASTIC INSULATION, 218 NORTH LEE STREET, SUITE 312, ALHAMBRA, CALIFORNIA 91801. TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HOUSTON, TEXAS 77030. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TRUSS CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE THROUGHS INDICATED RIGHT-CLIPPING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. EIM BCO, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE DESIGN, INCLUDING HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

1P1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
DESIGN CONCERNS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND 1P1.
11W BCG

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND AISC. CONNECTION PLATES ARE MADE OF 2010/16GA (W, W55/X) A514 A63 GRADE 40/60 (W, W55) GALV. STEEL. APPLY

CONNECTOR PLATES ART MADE OF 20/10/16GA (U.N/SS/K) ASTM A563 GRADE 40/60 (W. 1/16" X 1/2") UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 15DA-2 PLATES TO EACH FACE OF TRUSS AND

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED ON THIS ORDER, SHALL BE PER ANNEX A3 OF 1911-2002 SEC.3. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 1911-2002 SEC.3.

ANY INSPECTION OF PLATES FOLLOWED BY (V) SUPERVISOR OF THE INSPECTION OF THE PLATES. THE RESPONSIBILITY OF THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOP, THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

1

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

FL Certificate of Authorization # 0 278

(119314-HL3 / HRES () / R/01 - A6)

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

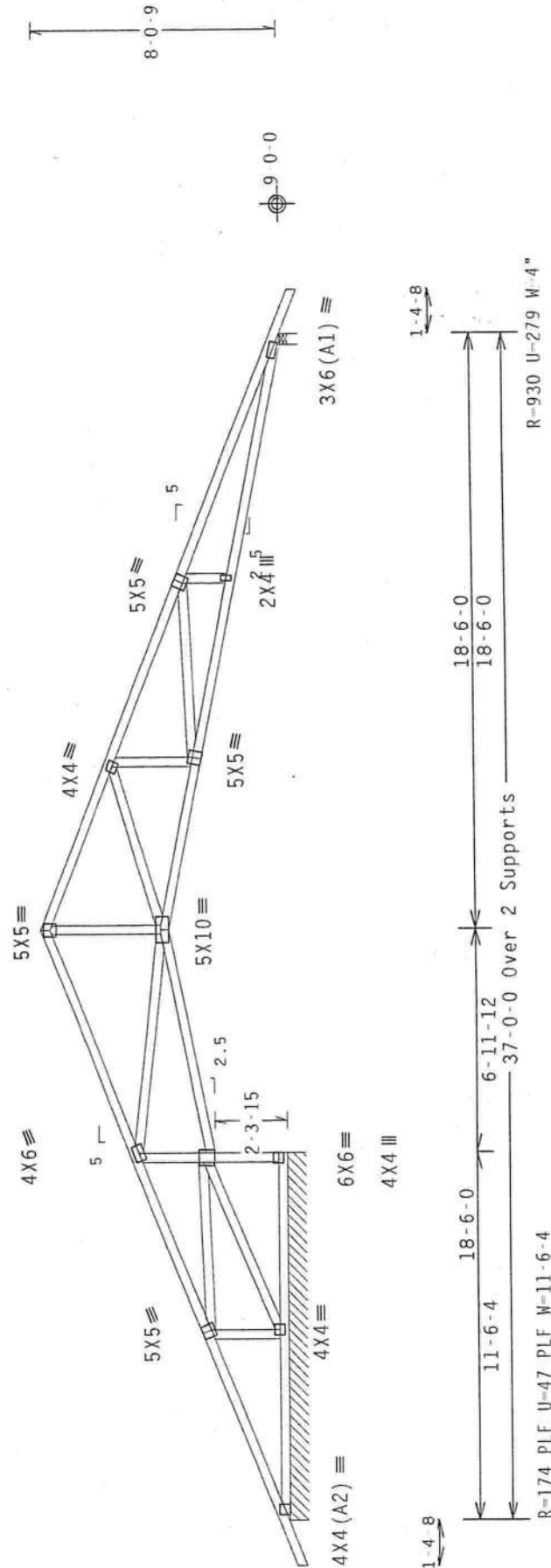
130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-4.2 psf, wind BC DL-5.0 psf. 1W-1.00 GCPI (+/-)-0.18

Wind reactions based on MMFRS pressures.

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

A rigid ceiling or continuous lateral bracing at 24" O.C. Must be properly attached to the bottom chord.

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



Design Crit: TPI-2002(STD)/FBC (119314-HL3 / HRES () / R/01 - A6)

Scale = .1875"/Ft.

PLT TYP. Wave

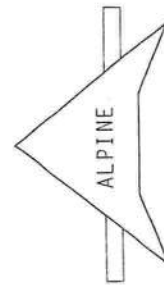
QTY: 1 FL/-/1/-/E/-/ Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R081--	64703
TC DL	7.0 PSF	DATE	01/28/08	
BC DL	10.0 PSF	DRW	HCUSR081	08028962
BC LL	0.0 PSF	HC-ENG	KD/WPF	
TOT.LD.	37.0 PSF	SEON-	90173	
DUR.FAC.	1.25	FROM	BCV	
SPACING	24.0"	JREF-	1TEJ081_276	



WARNING TRUSSES PROVIDE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSS INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304. ALL TRUSSES ARE DESIGNED AND MANUFACTURED IN THE UNITED STATES OF AMERICA. UNLESS OTHERWISE NOTED, ALL TRUSSES SHALL BE 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. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/P3 AND TPI). TPI BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/P3 AND TPI). TPI BCG CONNECTOR PLATES ARE MADE OF 2010/106A (M-1/25/25) ASIN A653 GRADE 40/60 (M-1/25/25) GALV. STEEL. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SHALL BE 1/4" THICK. A SEAL OR THIS ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER INDICATED. ACCEPTANCE OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER INDICATED. THE TRUSS COMPONENT DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

(119314-HL3 / HRES () / R/01 - A5)

Top chord 2x4 SP #1 Dense : T3, T4 2x4 SP #2 N:
Bot chord 2x4 SP 2400F-2.0E : B3 2x4 SP #2 N:
Webs 2x4 SP #3

Calculated horizontal deflection is 0.38" due to live load and 0.34" due to dead load.

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

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

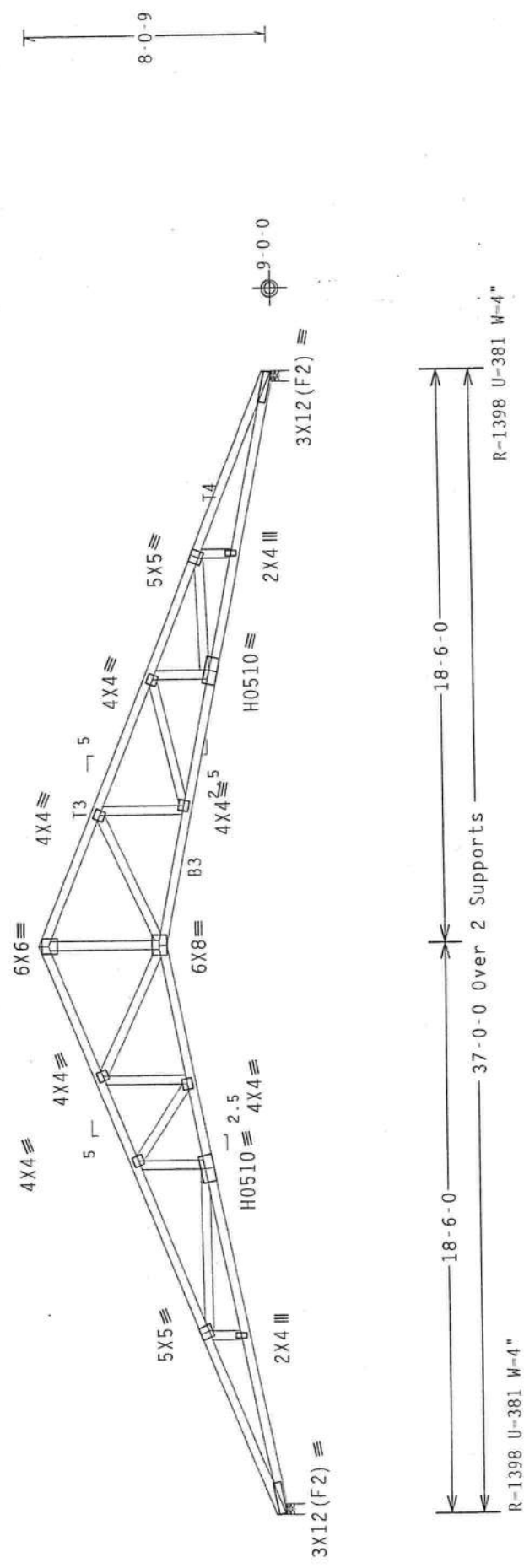
This truss is not reversible. Per ANSI/TPI 1-2002, Section 2.4.3 Truss Manufacturer is responsible to provide information for proper orientation of trusses. This information shall be provided to the contractor.

130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC DL=4.2 psf, wind BC DL=5.0 psf, IW=1.00 GCPI (+/-)-0.18

Wind reactions based on MWFRS pressures.

A rigid ceiling or continuous lateral bracing at 24" O.C. Must be properly attached to the bottom chord.

Calculated vertical deflection is 0.63" due to live load and 0.56" due to dead load at X = 18'-6"-0".



Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.39.1018.02

Scale = .1875"/Ft.

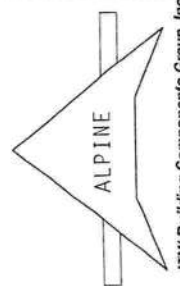
TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"



PLT TYP. 20 Gauge HS, Wave

ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization # 0278



(119314-HL3 / HRES () / R/01 - A4)

Top chord 2x4 SP #1 Dense :T3, T4 2x4 SP #2 N:
Bot chord 2x4 SP 2400f-2.0E :B3 2x4 SP #2 N:
Webs 2x4 SP #3

Calculated horizontal deflection is 0.38" due to live load and 0.33" due to dead load.

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

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

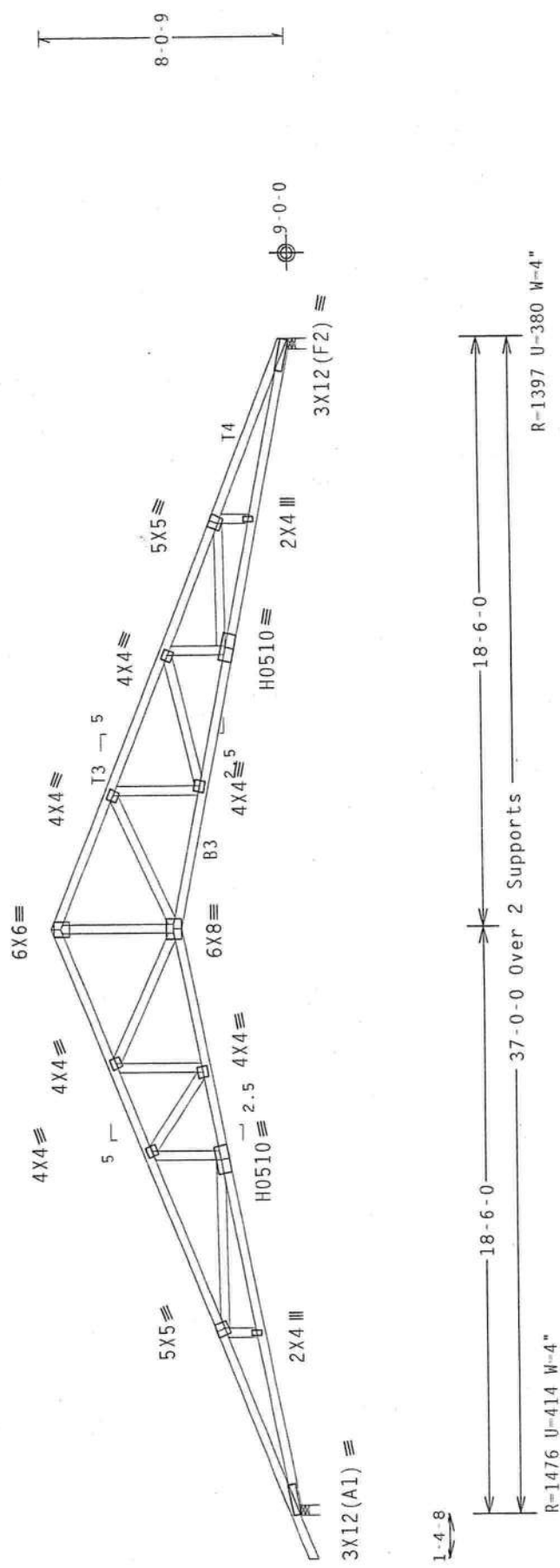
This truss is not reversible. Per ANSI/TPI 1-2002, Section 2.4.3 Truss Manufacturer is responsible to provide information for proper orientation of trusses. This information shall be provided to the contractor.

130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-4.2 psf, wind BC DL-5.0 psf. 1W-1.00 Gcpi (+/-)-0.18

Wind reactions based on MWFRS pressures.

A rigid ceiling or continuous lateral bracing at 24" O.C. Must be properly attached to the bottom chord.

Calculated vertical deflection is 0.64" due to live load and 0.56" due to dead load at X = 18-6-0.



(119314-HL3 / HRES () / R/01 - A4)

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/(10.0) 7.39.1018.02

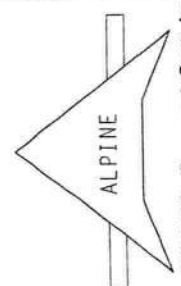
Scale = .1875"/Ft.

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"



PLT TYP. 20 Gauge HS. Wave

PLT TYP. 20 Gauge HS. Wave



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

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

130 mph wind, 15.00 ft mean ht., ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

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

Refer to drawing HCUSR081 05087488 or 458 for stud verticals and bracing details. Gable end has been designed for in-plane loads only. It is the responsibility of the building designer to design the roof and ceiling diaphragms and specify connections to transfer all out of plane loads into the ceiling diaphragms.

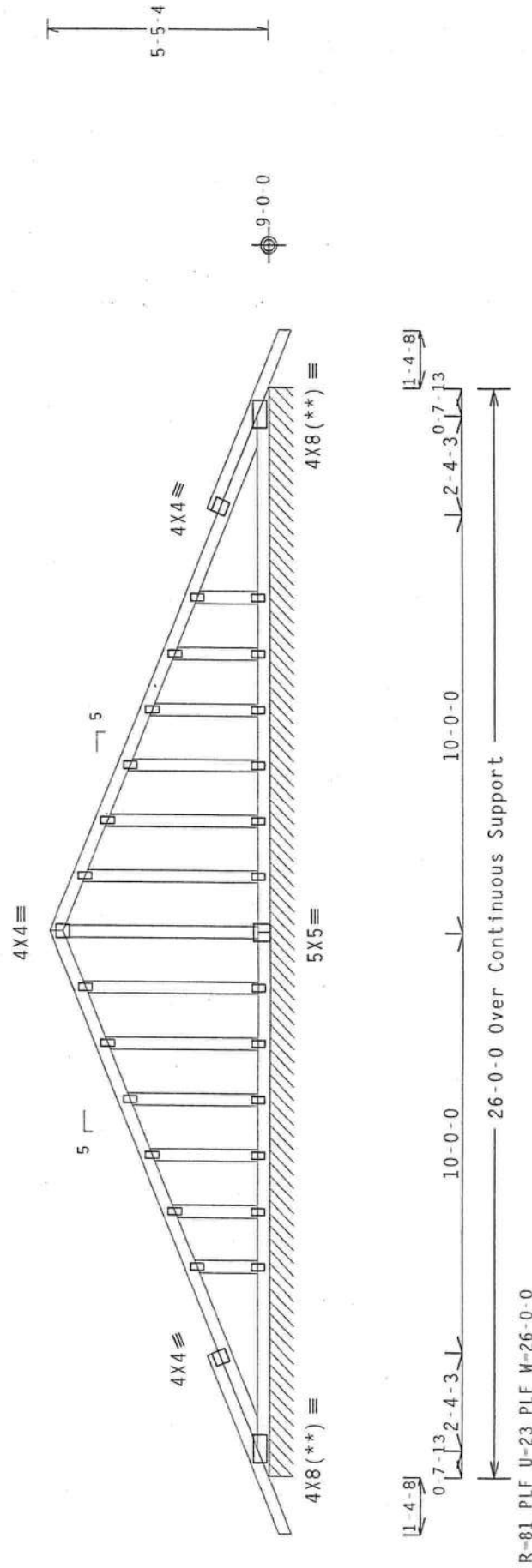
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind reactions based on MWFRS pressures.

A rigid ceiling or continuous lateral bracing at 24" O.C. Must be properly attached to the bottom chord.

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

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



Note: All Plates Are 2X4 Except As Shown.

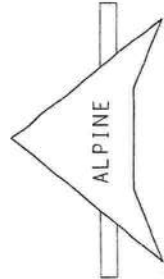
(119314-HL3 / HRES () / R/01 - B2GE)

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

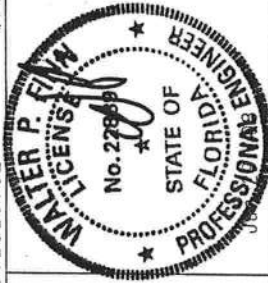
CFI = 0.992 (316) / PBC
Cq/RT = 1.00 (1.25) / 10 (0) 7.39.1018.02

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



ITW Building Components Group, Inc.
Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization # 0 278



TC LL	20.0 PSF	REF R081-- 64707
TC DL	7.0 PSF	DATE 01/28/08
BC DL	10.0 PSF	DRW HCUR081 08028973
BC LL	0.0 PSF	HC-ENG KD/WPF
TOT.LD.	37.0 PSF	SEQN- 90245
DUR.FAC.	1.25	FROM BCV
SPACING	24.0"	JREF- 1TEJ081_Z76

SITE

TRINITY DRAFTING LLC

813.719.7030
www.trinitydrafting.com
jody.willis...owner

PROPERTY ADDRESS:
207 SW ROSE LANE
FT. WHITE, FLORIDA 32038

CUSTOMER:
JOHNNIE AND SUE

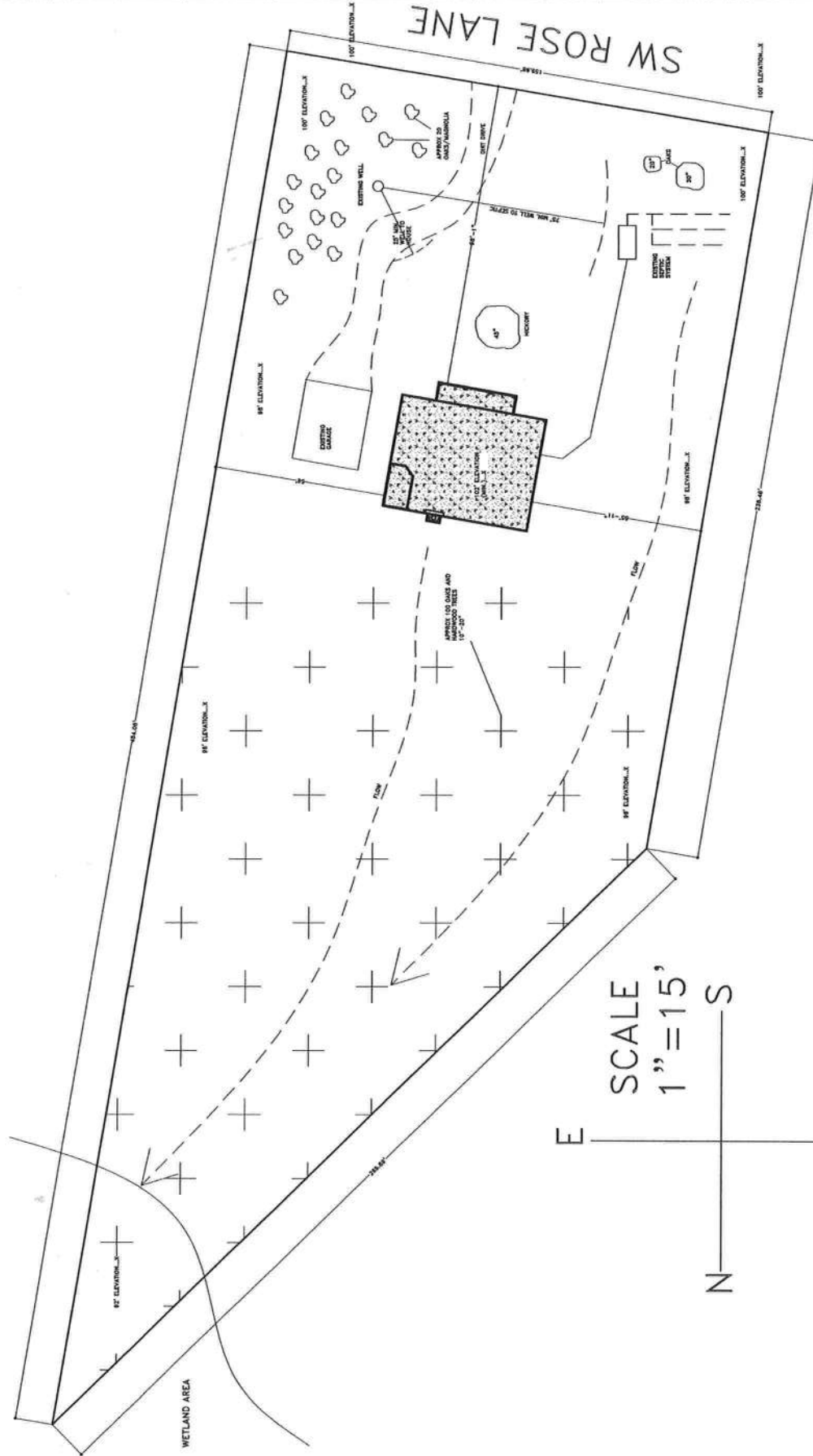
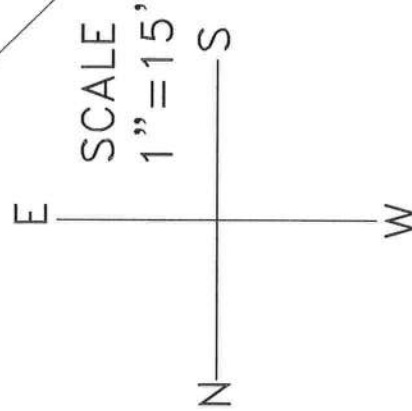
PIN NUMBER:
01-75-15-04149-524

50 FT.
NEW HOME... 1932



SCALE
1"=15'

NOTE: ALL ELEVATIONS SHOWN ARE RELATIVE AND NOT ACTUAL ELEVATIONS ABOVE SEA LEVEL. FINISHED FLOOR ELEVATION SHOWN IS A MINIMUM. FINISHED FLOOR MUST ALSO MEET SUBDIVISION BLUE TOP MINIMUM, CITY/COUNTY/STATE MINIMUM, AND FLOOD MINIMUM ELEVATION REQUIREMENTS. ALL DIMENSIONS ARE RELATIVELY ACCURATE IN NATURE. HOWEVER IT IS RECOMMENDED THAT VERIFICATION OF CRITICAL SETBACKS ARE DONE BEFORE WORK IS COMMENCED.





FACSIMILE COVER SHEET

DATE	May 7, 2008
FROM	Joy Creamer

3	# OF PAGES INCLUDING THIS PAGE
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TO	Building Department
FIRM	
ADDRESS	
PHONE #	
FAX #	

SUBJECT

J. Head Project
207SW Rose Lane
Ft. White, FL 32038

MESSAGE

Attached are the Proctor report & Field Density Report for Permit No. 0902-25

☐	AS YOU REQUESTED
☐	FOR YOUR INFORMATION
☐	FOR YOUR APPROVAL
☐	NO ACTION NECESSARY
☐	PLEASE RESPOND AS NOTED

☐	NO HARD COPY BEING SENT
☐	HARD COPY VIA MAIL
☐	HARD COPY VIA OVERNIGHT COURIER
☐	PLEASE SIGN AND RETURN COPY VIA FACSIMILE
☐	PLEASE CALL TO CONFIRM RECEIPT

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■ physical address:
ASC geosciences, inc.
366 SW Knox Street, Suite 103
Lake City, Florida 32025

■ contacts:
phone: 386.755.1414
fax: 386.755.8882



FIELD DENSITY REPORT

ASC Lake City: 366 SW Knox Street, Suite 103, Lake City, Florida 32025

Page

1 of 1

PROJECT INFORMATION

PROJECT: J. Head
 LOCATION: Ft. White
 CLIENT: Curtis Lunderman Construction
 CONTRACTOR: Curtis Lunderman Construction

DATE: 5 May 2008
 PROJECT NO: 07G1028
 LAB NO: 1
 TECHNICIAN: J. Curry

FIELD DENSITY INFORMATION

TEST NUMBER	TEST LOCATION	FIELD MOISTURE (%)	IN-PLACE DRY DENSITY (lb/ft ³)	LAB PROCTOR DENSITY (lb/ft ³)	TEST DATE: 2-May-08	
					COMPACTION PERCENT	
					ATTAINED	REQUIRED
	<u>House Pad Slab on Grade</u>					
1	From NE corner, 10' south x 15' west (NG+1')	5.8	108.9	109.5	98	95
2	From SE corner, 15' south x 10' west (NG+2')	6.8	107.8	109.5	98	95
3	From NW corner, 20' south x 10' east (NG+3')	8.0	109.4	109.5	100	95
4	From SW corner, 20' north x 15' east (NG+4')	8.8	108.3	109.5	97	95

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

LAB INFORMATION

PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft ³)	LAB TEST METHOD		
				D898/ T 99	D1557/ T 180	- #200 sieve (%)
1B	Light grey poorly graded sand w/ silt (SP-SM)	11.5	109.5		✓	6.6

Copies To 1. Curtis Lunderman Construction

NOTES: 1. Test Reports shall not be reproduced except in full.
 2. Test Reports reported herein relate only to material actually tested.
 3. NG = Natural Ground

DRAFT

Jayantilal R. Patel, P.E., Florida Registration No. 34087

**LABORATORY PROCTOR**

366 SW Knox St Ste 103

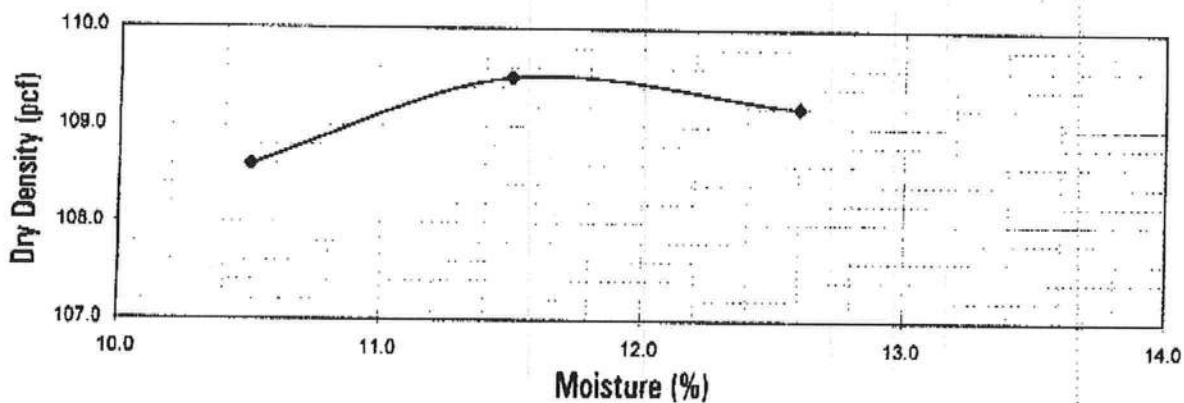
Lake City, Florida 32025

P: 386-755-1414

F: 386-755-8882

PROJECT: J. Head**LOCATION:** Ft. White**CLIENT:** Curtis Lunderman Construction**LOCATION SAMPLED:** 207 SW Rose Lane, Ft. White, FL 32038**DATE:** 5-May-08**PROJECT NO:** 07G1028**LAB NO:** 1B**DATE SAMPLED:** 2-May-08

MATERIAL DESC: (ASMTM/ASHTO):	Building Pad
✓	ASTM D 698 METHOD (AASHTO T 99). Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort
	ASTM D 1557 METHOD A (AASHTO T 180). Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort

LABORATORY PROCTOR TEST

	Calculated	Reported
Maximum Dry Density (pcf):	108.5	108.5
Optimum Moisture Content (%):	11.5	11.5
Percent Passing #200 Sieve (%):	6.6	6.8

COPIES TO:

1) Curtis Lunderman Construction

Jayantilal R. Patel, P.E., Florida Registration No. 34087

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