

DATE 05/18/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025823

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CRT LAKE CITY FL 32024

OWNER TODD & RENEE MANNING PHONE 867-1896

ADDRESS 2936 NW MOORE RD LAKE CITY FL 32055

CONTRACTOR MATTHEW ERKINGER PHONE 754-5555

LOCATION OF PROPERTY LAKE JEFFREY RD, R MOORE RD, 1ST DIRT RD ON RIGHT,
GO THRU THIS PROPERTY TO THE SITE

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 109750.00

HEATED FLOOR AREA 2195.00 TOTAL AREA 3142.00 HEIGHT 22.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

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

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 15-3S-16-02125-011 SUBDIVISION _____

LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 2.00

000001384 RR067135

Culvert Permit No. 07-0386 Culvert Waiver 07-0386 Contractor's License Number BK Applicant/Owner/Contractor JH N

CULVERT 07-0386 BK JH N

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE, SECTION 14.9 SPECIAL FAMILY LOT PERMIT

FLOOR ONE FOOT ABOVE THE ROAD

ALTERNATIVE TERMITE TREATMENT _____ Check # or Cash 15839

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by date/app. by date/app. by

Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by date/app. by date/app. by

Framing _____ Rough-in plumbing above slab and below wood floor _____
date/app. by date/app. by

Electrical rough-in _____ Heat & Air Duct _____ Peri. beam (Lintel) _____
date/app. by date/app. by date/app. by

Permanent power _____ C.O. Final _____ Culvert _____
date/app. by date/app. by date/app. by

M/H tie downs, blocking, electricity and plumbing _____ Pool _____
date/app. by date/app. by

Reconnection _____ Pump pole _____ Utility Pole _____
date/app. by date/app. by date/app. by

M/H Pole _____ Travel Trailer _____ Re-roof _____
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 550.00 CERTIFICATION FEE \$ 15.71 SURCHARGE FEE \$ 15.71

MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____

FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 681.42

INSPECTORS OFFICE LH CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Manning

Called
Linda on
5-14-07
LH

Columbia County Building Permit Application

Application # 0104-14 Date Received 5/10/07 By G Permit # 1384/25823
 Approved by - Zoning Official BZK Date 14.05.07 Plans Examiner OK JTH Date 5-14-07
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments Section 14.9 Special Family Lot Permit
☒ NO ☒ EH ☐ Dead or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Devel opm ☐ Int Po ☐ Int

Name Authorized Person Signing Permit Linda or Melanie Roder Phone 752-2281
 Address 387 SW Kompit Lake City FL 32024
 Owner's Name Todd + Renee Manning Phone 867-1896
 Address 2936 NW Moore Rd Lake City FL 32055
 Contractor's Name Matthew ErKinger Phone 754-5555
 Address 248 SE Nassau St Lake City FL 32025
 Fee Sample Owner Name & Address NA
 Bond Co. Name & Address NA
 Architect/Engineer Name & Address Mark Disposway
 Mortgage Lender Name & Address 1st Fed
 Check the correct power company - FL Power & Light - City Elec. - Swansea Valley Elec. - Pro gas - City
 Property ID Number 15-35-16-02125-011 Estimated Cost of Construction 200K
 Subdivision Name NA Lot Block Int I use
 Drive Directions Lake Jeffrey Rd, go 7 miles, Ron Moore Rd
1 mi down on R see ErKinger Sign, just past sign to 1st dirt road,
turn in & go thru this property to see stakes for this house.
 Type of Construction SFD Number of Existing Dwellings on Property 0
 Total acreage 2 acres Lot Size 2 acres Do you need a Culvert Permit or Culvert Waiver or None of the Above
 Actual Distance of Structure from Property Lines - Front 150' Side 58' Side 58' Rear 167'
 Total Building Height 22' Number of Stories 1 Heated Floor Area 2195 Roof Pitch 7-12
 10142 3142

Applicant 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 regulating construction in this jurisdiction.

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

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

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 10 day of May, 2007

Personally known or Produced Identification



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Through
Atlantic Bonding Co., Inc.

Contractor Signature

Contractors License Number RR-2067135

Competency Card Number

NOTARY STAMP/SEAL

Linda R. Roder

Notary Signature

Review Date (mm/dd/yyyy)

May 12 2007 01:00 PM

May 12 2007 01:00 PM

May 12 2007 01:00 PM

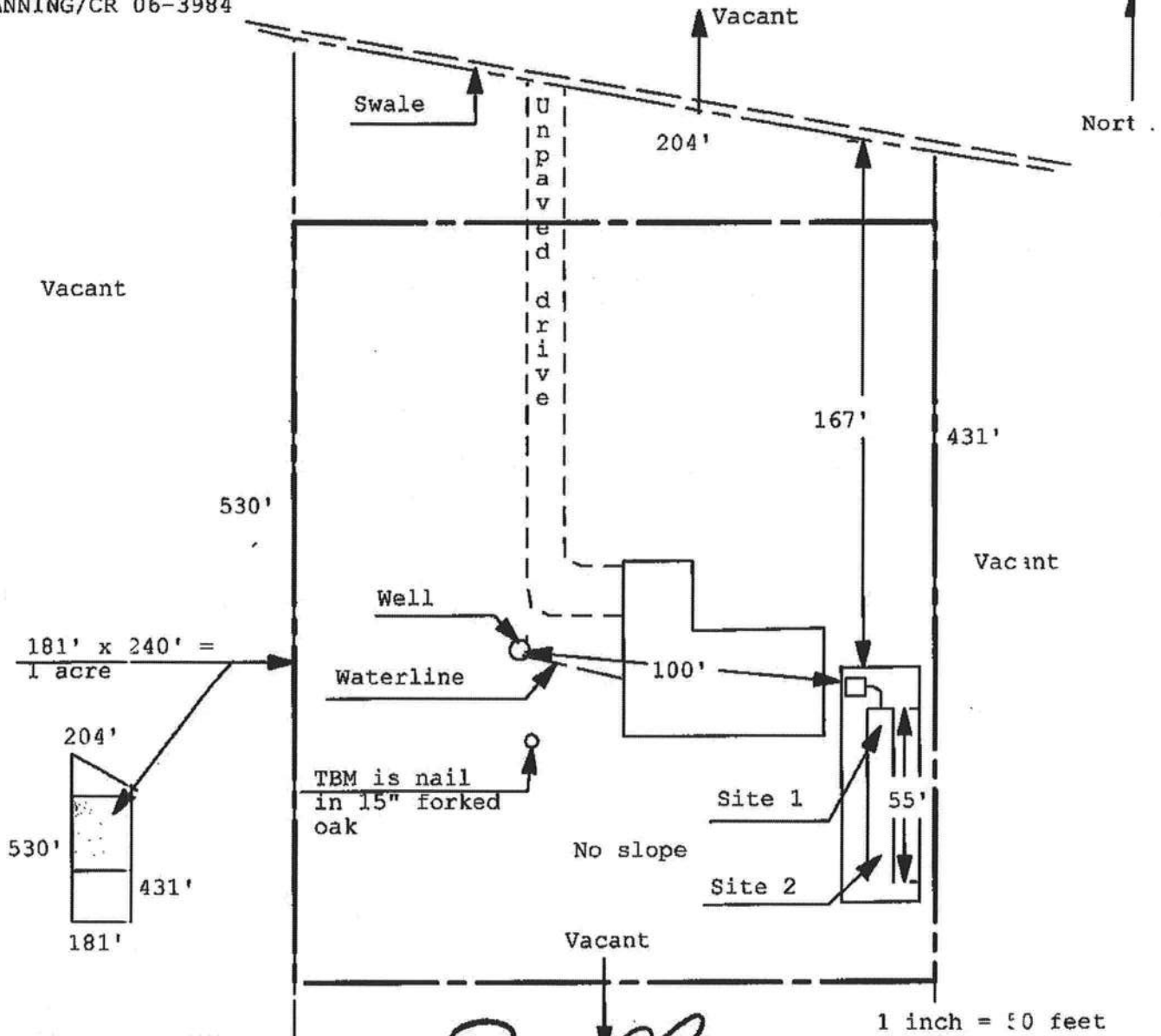
family lot
parents Glen + Glenda Markham

RR067135

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 07-0386

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MANNING/CR 06-3984



Site Plan Submitted By Paul L. Paul Date 5/14/07
Plan Approved ☒ Not Approved ☐ Date 5/15/07
By M. D. H. Columbia CPEU

Notes: _____

COLUMBIA COUNTY, FLORIDA
LAND DEVELOPMENT REGULATION ADMINISTRATOR
SPECIAL FAMILY LOT PERMIT APPLICATION

A special family lot permit may be issued by the Land Development Regulation Administrator on land zoned Agricultural or Environmentally Sensitive Area within these land development regulations, for the purpose of conveying a lot or parcel to an individual who is the parent, grandparent, sibling, child or adopted child or grandchild of the person who conveyed the parcel to said individual, not to exceed two (2) dwelling units per one (1) acre and the lot complies with all other conditions from permitting development as set forth in these land development regulations. This provision is intended to promote the perpetuation of the family homestead in rural areas by making it possible for family members to reside on lots, which exceed maximum density for such areas, provided that the lot complies with the following conditions for permitting:

1. The division of lots shall be by recorded separate deed and meet all other applicable land development regulations; and
2. The lot split or subdivision is for the establishment of a homestead of that relative and the lot so conveyed is at least one-half (1/2) acre in size and the remaining lot is at least one-half (1/2) acre in size; and
3. The family lot permit shall only be issued once for each relative of the parent tract owner. However, for purposes of this provision, if a lot is permitted under this provision to a daughter, for example, and was to be returned to the ownership of the owner of the parent tract, then the original use of this provision to provide the lot to the daughter shall not be counted as one of the one permitted per relative.
4. The lot complies with all other conditions for permitting and development as set forth in these land development regulations.

-
1. Name of Recipient Relative (Applicant) TODD & Renee Manning
Address P.O. Box 2864 City Lake City Zip Code 32056
Phone (386) 867-1896
2. Name of Title Holder(s) Glenn & Glenda Markham
Address 122 NW Samme Crk. City Lake City Zip Code 32055
Phone (386) 752-6280
3. Recipient's Relationship to Title Holder Glenn & Glenda Markham / Father / mother
4. Size of Property 2 Acres
5. Tax Parcel ID# 15-35-16-0215-011 (Attach a Copy of the Deed)

No permit will be issued unless the deed is properly recorded in the Clerk of the Courts Office.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

Applicants Name (Print or Type)

[Signature]
Applicant Signature

5/8/01
Date

OFFICIAL USE

Current Land Use Classification _____ Current Zoning District _____
Approved _____ Denial = Reason _____

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

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

Addressing Maintenance

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

DATE REQUESTED: 5/10/2007 DATE ISSUED: 5/10/2007

ENHANCED 9-1-1 ADDRESS:

2936 NW MOORE RD

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

15-3S-16-0215-009

Remarks:

PARENT PARCEL

Address Issued By: 
Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

753

MAY 10 2007

911Addressing/GIS Dept

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 07-57
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

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

Inst:2007010097 Date:05/04/2007 Time:16:06

Doc Stamp-Deed : 0.70

29 DC, P. Dewitt Cason, Columbia County B:111 P:997

Property Appraiser's
Identification Number Part of R021125-009

WARRANTY DEED

THIS INDENTURE, made this 4th day of May, 2007, BETWEEN GLEN F. MARKHAM and GLENDA P. MARKHAM, Husband and Wife whose post office address is 122 NW Samme Court, Lake City, FL 32055, of the County of Columbia, State of Florida, grantor*, and TODD D. MANNING and SHEILA RENEE MANNING, Husband and Wife whose post office address is P.O. Box 2864, LAKE CITY, FL 32056, 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:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

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.

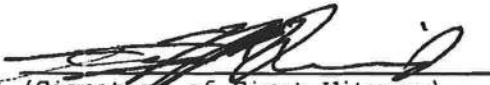
*"Grantor" and "grantee" are used for singular or plural, as context requires.

Inst:2007010097 Date:05/04/2007 Time:16:06

Doc Stamp-Deed : 0.70

DC, P. Dewitt Cason, Columbia County B:1118 :998

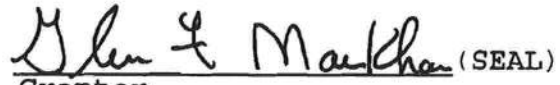
Signed, sealed and delivered
in our presence:


(Signature of First Witness)
Terry McDavid

(Typed Name of First Witness)


(Signature of Second Witness)
Crystal L. Brunner

(Typed Name of Second Witness)

 (SEAL)
Grantor
GLEN F. MARKHAM
Printed Name

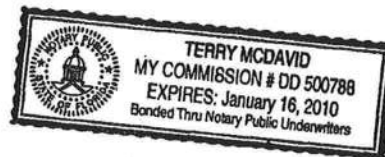
 (SEAL)
Grantor
GLENDA P. MARKHAM
Printed Name

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 4th
day of May, 2007, by GLEN F. MARKHAM and GLENDA P. MARKHAM, Husband
and Wife who are personally known to me or who have produced
_____ as identification and who did not take an oath.

My Commission Expires:


Notary Public
Printed, typed, or stamped name:



Inst:2007010097 Date:05/04/2007 Time:16:16

Doc Stamp-Deed : 0.70

DC, P. DeWitt Cason, Columbia County B:1118 P:999

EXHIBIT "A"

COMMENCE AT THE SOUTHEAST CORNER OF THE WEST 1/2 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, OF SECTION 15, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY FLORIDA, AND RUN NORTH 00 DEG. 34 MIN. 16 SEC. WEST, 329.34 FEET; THENCE SOUTH 88 DEG. 38 MIN. 59 SEC. WEST, 485.01 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 88 DEG. 38 MIN. 59 SEC. WEST, 181.04 FEET; THENCE NORTH 00 DEG. 15 MIN. 50 SEC WEST, 530.81 FEET; THENCE SOUTH 62 DEG. 25 MIN. 33 SEC. EAST, 204.70 FEET; THENCE SOUTH 00 DEG. 15 MIN. 50 SEC. EAST, 431.79 FEET TO THE POINT OF BEGINNING.

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

By Rose Ann Aiello
Deputy Clerk

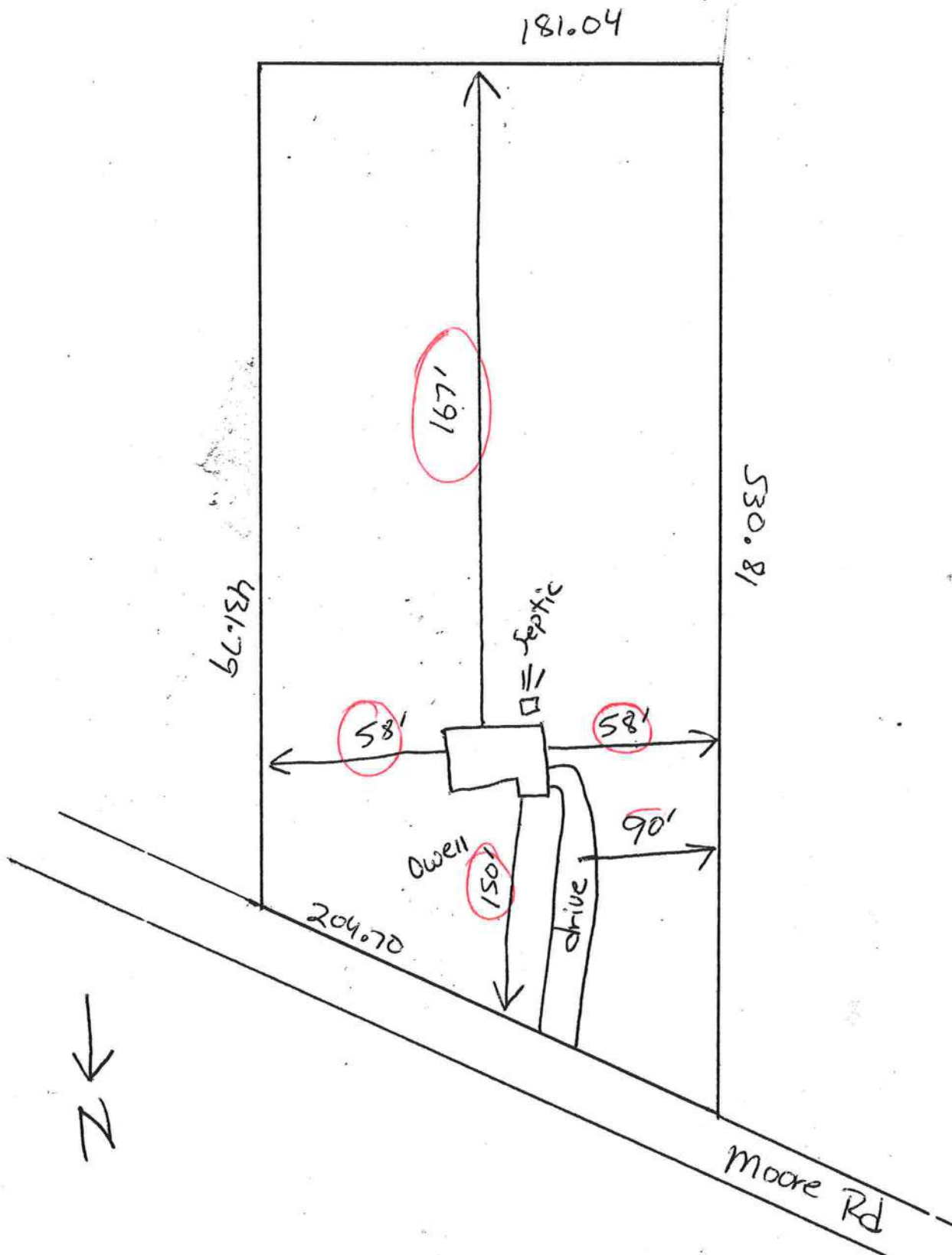
Date May 10, 2007



Todd + Renee Manning

15-35-16-'02125-011

2 Acres (family lot)



07-57

THIS INSTRUMENT WAS PREPARED BY:
 FIRST FEDERAL SAVINGS BANK OF FLORIDA
 4705 WEST U.S. HIGHWAY 90
 P.O. BOX 2029
 LAKE CITY, FLORIDA 32056

PERMIT NO. _____

TAX FOLIO NO. _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
 COUNTY OF Columbia

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

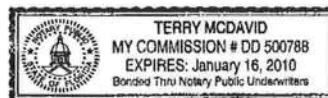
1. Description of property: SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.
2. General description of improvement: Construction of Dwelling
3. Owner information:
 - a. Name and address: TODD D. MANNING and SHEILA RENEE MANNING
1952 SW Fallon Lane, Lake City, FL 32025
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): ERKINGER HOME BUILDERS, INC.
248 SE Nassua Street, Lake City, FL 32025
5. Surety:
 - a. Name and address: _____
 - b. Amount of bond: _____
6. Lender: **FIRST FEDERAL SAVINGS BANK OF FLORIDA**
4705 WEST U.S. HIGHWAY 90
P. O. BOX 2029
LAKE CITY, FLORIDA 32056
7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056 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 1 year from the date of recording unless a different date is specified).

Todd D. Manning
 Borrower Name Todd D. Manning

Sheila Renee Manning
 Co-Borrower Name Sheila Renee Manning

The foregoing instrument was acknowledged before me this 4th day of May, 2007, by Todd D. & Sheila Renee Manning, who is personally known to me or who has produced driver's license for identification.

Terry McDavid
 Notary Public
 My Commission Expires:



Inst:2007010307 Date:05/08/2007 Time:12:42

DC, P. DeWitt Cason, Columbia County B:1118 P:1694

EXHIBIT "A"

COMMENCE AT THE SOUTHEAST CORNER OF THE WEST 1/2 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, OF SECTION 15, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN NORTH 00 DEG. 34 MIN. 16 SEC. WEST, 329.34 FEET; THENCE SOUTH 88 DEG. 38 MIN. 59 SEC. WEST, 485.01 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 88 DEG. 38 MIN. 59 SEC. WEST, 181.04 FEET; THENCE NORTH 00 DEG. 15 MIN. 50 SEC. WEST, 530.81 FEET; THENCE SOUTH 62 DEG. 25 MIN. 33 SEC. EAST, 204.70 FEET; THENCE SOUTH 00 DEG. 15 MIN. 50 SEC. EAST, 431.79 FEET TO THE POINT OF BEGINNING.

Inst:2007010307 Date:05/08/2007 Time:12:42

____DC,P.Dewitt Cason,Columbia County B:1118 P:1695

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 07-57
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

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

Inst:2007010097 Date:05/04/2007 Time:16:06

Doc Stamp-Deed : 0.70

1.9 DC, P. Dewitt Cason, Columbia County B:111 P:997

Property Appraiser's
Identification Number Part of R021125-009

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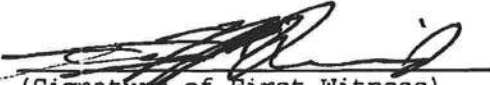
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Inst:2007010097 Date:05/04/2007 Time:16:06

Doc Stamp-Deed : 0.70

DC, P. Dewitt Cason, Columbia County B:1118 :998

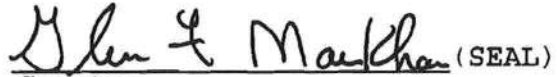
Signed, sealed and delivered
in our presence:


(Signature of First Witness)
Terry McDavid

(Typed Name of First Witness)


(Signature of Second Witness)
Crystal L. Brunner

(Typed Name of Second Witness)

 (SEAL)

Grantor

GLEN F. MARKHAM

Printed Name

 (SEAL)

Grantor

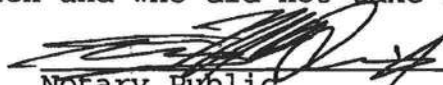
GLEND P. MARKHAM

Printed Name

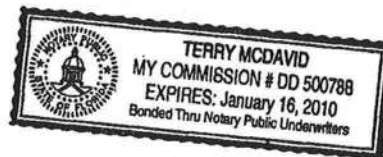
STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 4th
day of May, 2007, by GLEN F. MARKHAM and GLENDA P. MARKHAM, Husband
and Wife who are personally known to me or who have produced
_____ as identification and who did not take an oath.

My Commission Expires:


Notary Public

Printed, typed, or stamped name:



Inst:2007010097 Date:05/04/2007 Time:16:16

Doc Stamp-Deed : 0.70

DC, P. DeWitt Cason, Columbia County B:1118 P:999

EXHIBIT "A"

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

By Rose Ann Aiello
Deputy Clerk

Date May 10, 2007





Lake City	(386) 755-	611
Gainesville	(352) 494-	751
Fax	(386) 755-	885
Toll Free	1-800-616-	707

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.
(386) 755-3611
State License # - JB109476
State Certification # - JF104376

Todd & Renee Manning P.I.D. # 15-3S-16-02125-011 (Erkinger)

Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate

Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood

Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Michelle Fischer
Authorized Signature

5-9-07
Date

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001384

DATE 05/18/2007 PARCEL ID # 15-3S-16-02125-011
APPLICANT LINDA RODER PHONE 752-2281
ADDRESS 387 SW KEMP CRT LAKE CITY FL 32024
OWNER TODD & RENEE MANNING PHONE 867-1896
ADDRESS 2936 NW MOORE RD LAKE CITY FL 32055
CONTRACTOR MATTHEW ERKINGER PHONE 754-5555
LOCATION OF PROPERTY LAKE JEFFREY RD, R MOORE RD, ABOUT 1 MILE ON THE RIGHT TO
FIRST DIRT RD, GO THRU PROPERTY TO SITE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



CLYATT WELL DRILLING, INC.

(Established in 1971)

Post Office Box 180

Wothington Springs, FL 32697

WELL DESCRIPTION

DESCRIPTION DATE

CUSTOMER NAME AND ADDRESS

Erkinger Home Builders
 Att : Matthew A. Erkinger
 248 Southeast Nassau Street
 Lakeland City, Florida 32025

DESCRIPTION OF WORK

4" Well and Pump

DESCRIPTION

- 4 Well
- 1 IP Submersible Pump
- 1 1/4" Galvanized Drop Pipe
- 1 3/8 Submersible Pump Wire
- 8 Gallon Captive Air Tank
- 4 1-1/4 Well Seal
- Pressure Relief Valve
- Controls, Wire and Fittings

THANK YOU FOR YOUR BUSINESS! This document is provided to give a description of the well to be constructed on your behalf. All materials remain the property of Clyatt Well Drilling, Inc., until paid for in full. Clyatt Well Drilling, Inc., does not agree to find or develop water, nor does it represent or warrant or guarantee the quantity or kind of water which may be encountered. If it is necessary to install water filters, the owner agrees it is his/her responsibility to pay the cost. Right of repossession is guaranteed if payment for well is not made.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Manning**
Address:
City, State: **Lake City, FL**
Owner: **Todd & Rennee Manning**
Climate Zone: **North**

Builder: **Erkinger Homes**
Permitting Office: **Columbia County**
Permit Number: **25823**
Jurisdiction Number: **22100**

- | | | |
|-------------------------------------|----------------------|-------------|
| 1. New construction or existing | New | ___ |
| 2. Single family or multi-family | Single family | ___ |
| 3. Number of units, if multi-family | 1 | ___ |
| 4. Number of Bedrooms | 3 | ___ |
| 5. Is this a worst case? | No | ___ |
| 6. Conditioned floor area (ft²) | 2195 ft² | ___ |
| 7. Glass area & type | Single Pane | Double Pane |
| a. Clear glass, default U-factor | 0.0 ft² | 436.0 ft² |
| b. Default tint, default U-factor | 0.0 ft² | 0.0 ft² |
| c. Labeled U-factor or SHGC | 0.0 ft² | 0.0 ft² |
| 8. Floor types | | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 246.0(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | |
| a. Frame, Wood, Exterior | R=11.0, 1466.0 ft² | ___ |
| b. Frame, Wood, Adjacent | R=11.0, 203.0 ft² | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | |
| a. Under Attic | R=30.0, 2195.0 ft² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 260.0 ft | ___ |
| b. N/A | | ___ |

- | | | |
|--|-------------------|-----|
| 12. Cooling systems | | |
| a. Central Unit | Cap: 48.0 kBtu/hr | ___ |
| | SEER: 13.00 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 13. Heating systems | | |
| a. Electric Heat Pump | Cap: 48.0 kBtu/hr | ___ |
| | HSPF: 7.40 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 14. Hot water systems | | |
| a. Electric Resistance | Cap: 50.0 gallons | ___ |
| | EF: 0.92 | ___ |
| b. N/A | | ___ |
| c. Conservation credits | | ___ |
| (HR-Heat recovery, Solar | | ___ |
| DHP-Dedicated heat pump) | | ___ |
| 15. HVAC credits | | ___ |
| (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| HF-Whole house fan, | | ___ |
| PT-Programmable Thermostat, | | ___ |
| MZ-C-Multizone cooling, | | ___ |
| MZ-H-Multizone heating) | | ___ |

Glass/Floor Area: 0.20

Total as-built points: 30836

Total base points: 31047

PASS

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

PREPARED BY: *Richard Leggett*DATE: 3-27-07

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

OWNER/AGENT: *Kenner Hale*DATE: 5-8-07

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: _____



SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, FL,

PERMIT #:

BASE					AS-BUILT										
Summer Base Points:		27965.0			Summer As-Built Points:				34942.8						
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
27965.0		0.4266		11929.9	34942.8		1.000		(1.090 x 1.147 x 0.91)		0.263		1.000		10437.2
					34942.8		1.00		1.138		0.263		1.000		10437.2

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
GLASS TYPES										
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X	SPM X	SOF =	Points
.18	2195.0	20.04	7917.8	Double, Clear	N	1.5 8.0	40.0	19.20	0.97	742.9
				Double, Clear	E	1.5 8.0	212.0	42.06	0.96	8538.8
				Double, Clear	S	1.5 8.0	38.0	35.87	0.92	1258.4
				Double, Clear	W	1.5 8.0	146.0	38.52	0.96	5388.8
				As-Built Total:			436.0			15928.8
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM =	Points	
Adjacent	203.0	0.70	142.1	Frame, Wood, Exterior	11.0		1466.0	1.70	2492.2	
Exterior	1466.0	1.70	2492.2	Frame, Wood, Adjacent	11.0		203.0	0.70	142.1	
Base Total:				As-Built Total:			1669.0		2634.3	
DOOR TYPES Area X BSPM = Points				Type			Area X	SPM =	Points	
Adjacent	21.0	2.40	50.4	Exterior Wood			42.0	6.10	256.2	
Exterior	42.0	6.10	256.2	Adjacent Wood			21.0	2.40	50.4	
Base Total:				As-Built Total:			63.0		306.6	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X SCM =	Points	
Under Attic	2195.0	1.73	3797.4	Under Attic	30.0		2195.0	1.73 X 1.00	3797.4	
Base Total:				As-Built Total:			2195.0		3797.4	
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM =	Points	
Slab	246.0(p)	-37.0	-9102.0	Slab-On-Grade Edge Insulation	0.0		246.0(p)	-41.20	-10135.2	
Raised	0.0	0.00	0.0							
Base Total:				As-Built Total:			246.0		-10135.2	
INFILTRATION Area X BSPM = Points							Area X	SPM =	Points	
	2195.0	10.21	22410.9				2195.0	10.21	22410.9	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	2195.0	12.74	5033.6	Double, Clear	N	1.5	8.0	40.0	24.58	1.00	984.0
				Double, Clear	E	1.5	8.0	212.0	18.79	1.02	4063.2
				Double, Clear	S	1.5	8.0	38.0	13.30	1.04	526.1
				Double, Clear	W	1.5	8.0	146.0	20.73	1.01	3060.0
				As-Built Total:		436.0			8633.2		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	203.0	3.60	730.8	Frame, Wood, Exterior	11.0		1466.0	3.70	5424.2		
Exterior	1466.0	3.70	5424.2	Frame, Wood, Adjacent	11.0		203.0	3.60	730.8		
Base Total: 1669.0 6155.0				As-Built Total:		1669.0		6155.0			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	21.0	11.50	241.5	Exterior Wood			42.0	12.30	516.6		
Exterior	42.0	12.30	516.6	Adjacent Wood			21.0	11.50	241.5		
Base Total: 63.0 758.1				As-Built Total:		63.0		758.1			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2195.0	2.05	4499.8	Under Attic	30.0		2195.0	2.05 X 1.00	4499.8		
Base Total: 2195.0 4499.8				As-Built Total:		2195.0		4499.8			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	246.0(p)	8.9	2189.4	Slab-On-Grade Edge Insulation	0.0		246.0(p)	18.80	4624.8		
Raised	0.0	0.00	0.0								
Base Total: 2189.4				As-Built Total:		246.0		4624.8			
INFILTRATION Area X BWPM = Points						Area X WPM = Points					
2195.0 -0.59 -1295.0						2195.0 -0.59		-1295.0			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		17340.8		Winter As-Built Points:				23375.8			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
17340.8		0.6274	10879.6	^{23375.8} 23375.8		^{1.000} 1.00	^(1.069 x 1.169 x 0.93) 1.162	^{0.461} 0.461	^{1.000} 1.000	^{12518.8} 12518.8	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, Fl,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Ratio	Tank X Multiplier X Credit	= Total Multiplier
3		2746.00	8238.0	50.0	0.92	3	1.00	2626.61	1.00 7879.8
				As-Built Total:					7879.8

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
11930		10880	8238 31047	10437		12519	7880 30836

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Manning

Notice of Authorization

I, Matthew A. Exinger hereby authorize Linda Roder or Melanie Roder to be my

Representative and act on my behalf in all aspects for applying for a Building Permit

to be located in Columbia County.

[Signature]
Contractor's Signature

May 8, 2007
Date



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Sworn and Subscribed to me this 8 day of May, 2006
Personally known _____
Produced Identification ✓

[Signature]
Notary Public



Lake City	(386) 755	311
Gainesville	(352) 494	751
Ft.	(386) 755	385
Toll Free	1-800-616	707

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.
 (386) 755-3611
 State License # - JB109476
 State Certification # - JF104376

Todd & Renee Manning P.I.D. # 15-3S-16-02125-011 (Erkinger)

Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment - 23% Disodium Octaborate Tetrahydrate

Method of Termite Prevention Treatment - Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood

Description of Treatment

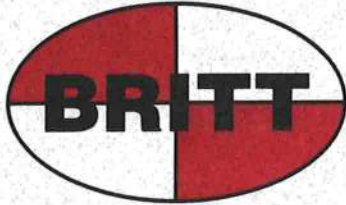
The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Michelle Fischer
 Authorized Signature

5-9-07
 Date



0704-14



BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

continuation letter
Land Surveyors
and Mappers

06/15/07

L-18501

To Whom It May Concern:

C/o: Todd Manning

Re: part of 15-3S-16-02125-009

The elevation of the foundation wall is found to be 100.00 feet. The centerline of NW Moore Road is 98.84 feet. The highest adjacent grade is 98.42 feet and the lowest adjacent grade is 98.12 feet. The elevations shown hereon are based on an assumed datum the floor of the residence = 100 feet.

L. Scott Britt
PLS #5757

25823

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: IT5W8228Z0123112819

Truss Fabricator: Anderson Truss Company
Job Identification: 7-092--Erkinger Home Builders MANNING RES. -- , **
Truss Count: 40
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.24.
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 - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: BRCLBSUB-A11015EE-GBLLETIN-CNBRGBLK-

Seal Date: 03/23/2007

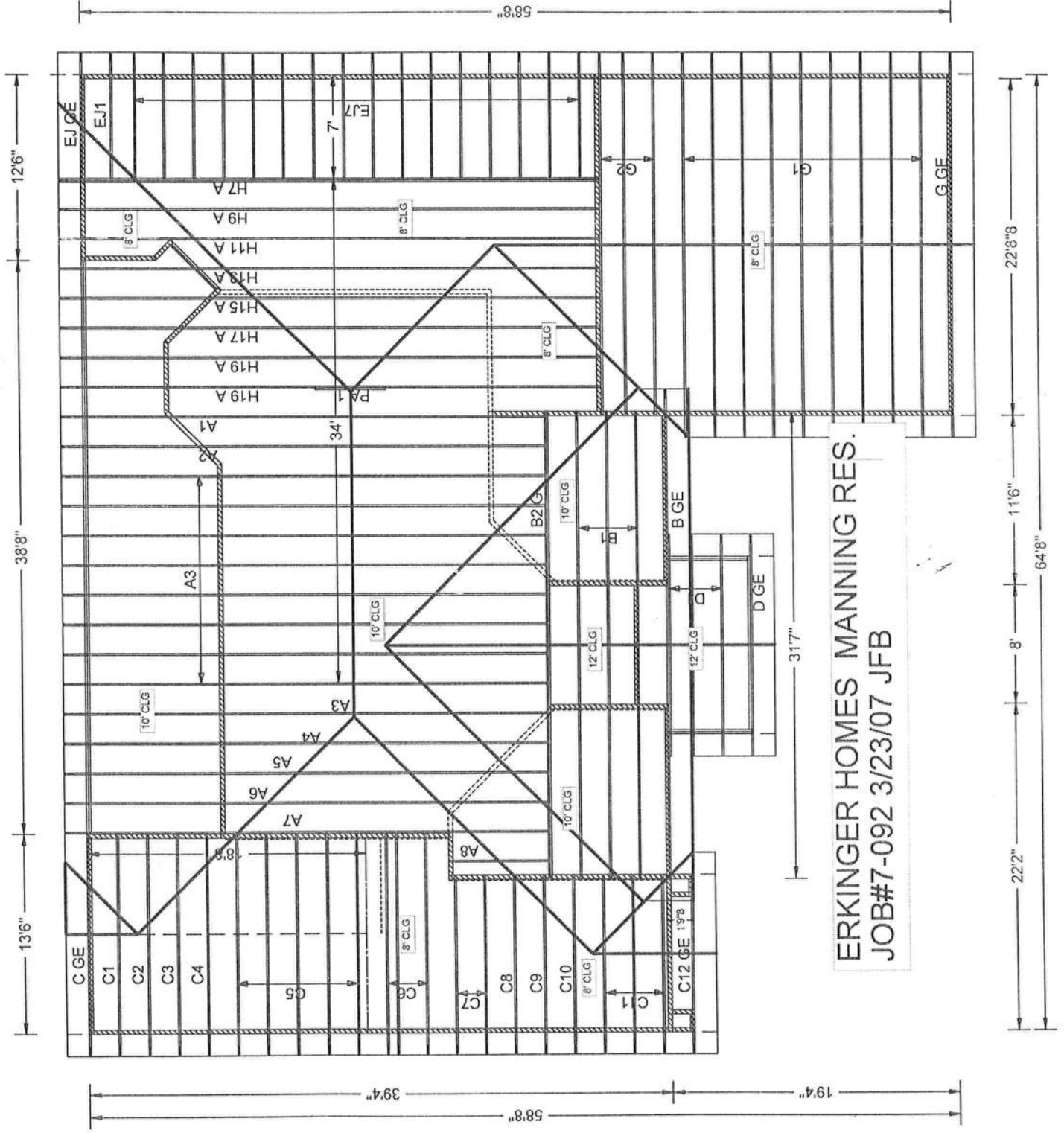
-Truss Design Engineer-
Arthur R. Fisher

Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	52214--H7 A		07082100	03/23/07
2	52215--H9 A		07082066	03/23/07
3	52216--H11 A		07082101	03/23/07
4	52217--H13 A		07082067	03/23/07
5	52218--H15 A		07082068	03/23/07
6	52219--H17 A		07082069	03/23/07
7	52220--H19 A		07082070	03/23/07
8	52221--A1		07082071	03/23/07
9	52222--A2		07082072	03/23/07
10	52223--A3		07082073	03/23/07
11	52224--A4		07082074	03/23/07
12	52225--A5		07082075	03/23/07
13	52226--A6		07082076	03/23/07
14	52227--A7		07082077	03/23/07
15	52228--A8		07082078	03/23/07
16	52229--B1		07082079	03/23/07
17	52230--B GE		07082102	03/23/07
18	52231--B2 G		07082099	03/23/07
19	52232--C GE		07082080	03/23/07
20	52233--C1		07082061	03/23/07
21	52234--C2		07082082	03/23/07
22	52235--C3		07082083	03/23/07
23	52236--C4		07082084	03/23/07
24	52237--C5		07082086	03/23/07
25	52238--C6		07082087	03/23/07
26	52239--C7		07082088	03/23/07
27	52240--C8		07082089	03/23/07
28	52241--C9		07082090	03/23/07
29	52242--C10		07082091	03/23/07
30	52243--C11		07082062	03/23/07
31	52244--C12 GE		07082092	03/23/07
32	52245--D1		07082063	03/23/07
33	52246--D GE		07082093	03/23/07
34	52247--G1		07082094	03/23/07
35	52248--G2		07082095	03/23/07
36	52249--G GE		07082096	03/23/07

#	Ref	Description	Drawing#	Date
37	52250--EJ7		07082064	03/23/07
38	52251--EJ1		07082097	03/23/07
39	52252--EJ GE		07082065	03/23/07
40	52253--PA 1		07082098	03/23/07





ERKINGER HOMES MANNING RES.
 JOB#7-092 3/23/07 JFB

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:

Top chord	2x6	SP	#2
Bot chord	2x6	SP	#2

Webs 2x4 SP #3

SPECIAL LOADS

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

TC - From 63 PLF at -1.50 to 63 PLF at 3.57

TC -	From	63 PLF at 3.57 to	63 PLF at 34.96
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
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43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
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89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

[illegible]

ABC -	From	20 PLF at 0.00 to	20 PLF at 34.96
20	76	100	2.00

TC	76 LB Conc.	Load at	2.06
TC <th>100 LB Conc.</th> <th>Load at</th> <th>2.63</th>	100 LB Conc.	Load at	2.63

	IC -	190 LB	Conc.	Load at	3.63,	5.63,	7.63,
13	63	15	63	17	63	23	63
13	63	15	63	17	63	23	63

13.63, 15.63, 17.63, 19.63, 21.63, 23.63, 25.63, 27.63, 29.63, 31.63, 33.63

31.63, 33.63
BC - 195 lb Conc. load at 2.06

Conc.	Load at 193 LB	Load at 82 LB
193 LB CONC.	2.06	5.63
82 LB CONC.	3.63	7.63

Size	LB	conc.	Load at	3.03,	7.03,
13.63.	15.63.	17.63.	19.63.	21.63.	23.63.
25.63.	27.63.	29.63.	31.63.	33.63.	35.63.

19.00, 17.00, 19.00, 21.00, 23.00, 23.00, 23.63

[illegible]

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)

Top Chord: 1 Row @ 4.00" o.c.

Bot Chord: 1 Row @12.00" o.c.

Webs : 1 Row @ 4" o.c.

Use equal spacing between rows

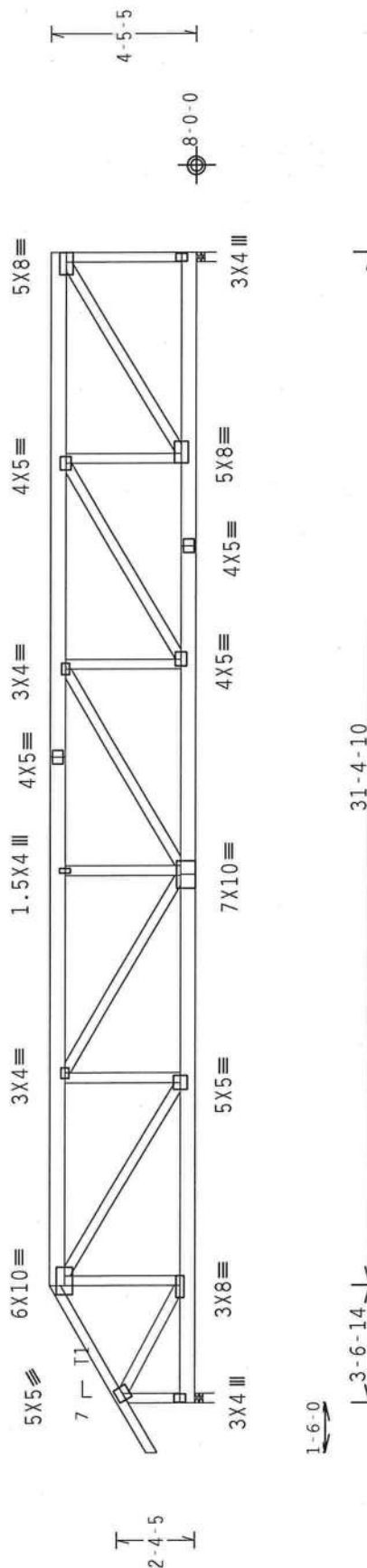
in each row to avoid splitting.

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

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

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



34-11-8 Over 2 Supports

R=3841 U=631 W=3.5"

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.24.15

Scale = .1875"/Ft.

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. (SEE PLATE INSTITUTE, 210 UNIVERSITY DRIVE, WESTPORT, MASSACHUSETTS 01981) FOR TRUSS CONSTRUCTION. TRUSSES ARE NOT TO BE USED FOR ANY PURPOSES OTHER THAN THOSE SPECIFIED ON THE TRUSS LABEL. MAJISD, INC. 527/191, 527/192, 527/193, 527/194, 527/195, 527/196, 527/197, 527/198, 527/199, 527/200, 527/201, 527/202, 527/203, 527/204, 527/205, 527/206, 527/207, 527/208, 527/209, 527/210, 527/211, 527/212, 527/213, 527/214, 527/215, 527/216, 527/217, 527/218, 527/219, 527/220, 527/221, 527/222, 527/223, 527/224, 527/225, 527/226, 527/227, 527/228, 527/229, 527/230, 527/231, 527/232, 527/233, 527/234, 527/235, 527/236, 527/237, 527/238, 527/239, 527/240, 527/241, 527/242, 527/243, 527/244, 527/245, 527/246, 527/247, 527/248, 527/249, 527/250, 527/251, 527/252, 527/253, 527/254, 527/255, 527/256, 527/257, 527/258, 527/259, 527/260, 527/261, 527/262, 527/263, 527/264, 527/265, 527/266, 527/267, 527/268, 527/269, 527/270, 527/271, 527/272, 527/273, 527/274, 527/275, 527/276, 527/277, 527/278, 527/279, 527/280, 527/281, 527/282, 527/283, 527/284, 527/285, 527/286, 527/287, 527/288, 527/289, 527/290, 527/291, 527/292, 527/293, 527/294, 527/295, 527/296, 527/297, 527/298, 527/299, 527/300, 527/301, 527/302, 527/303, 527/304, 527/305, 527/306, 527/307, 527/308, 527/309, 527/310, 527/311, 527/312, 527/313, 527/314, 527/315, 527/316, 527/317, 527/318, 527/319, 527/320, 527/321, 527/322, 527/323, 527/324, 527/325, 527/326, 527/327, 527/328, 527/329, 527/330, 527/331, 527/332, 527/333, 527/334, 527/335, 527/336, 527/337, 527/338, 527/339, 527/340, 527/341, 527/342, 527/343, 527/344, 527/345, 527/346, 527/347, 527/348, 527/349, 527/350, 527/351, 527/352, 527/353, 527/354, 527/355, 527/356, 527/357, 527/358, 527/359, 527/360, 527/361, 527/362, 527/363, 527/364, 527/365, 527/366, 527/367, 527/368, 527/369, 527/370, 527/371, 527/372, 527/373, 527/374, 527/375, 527/376, 527/377, 527/378, 527/379, 527/380, 527/381, 527/382, 527/383, 527/384, 527/385, 527/386, 527/387, 527/388, 527/389, 527/390, 527/391, 527/392, 527/393, 527/394, 527/395, 527/396, 527/397, 527/398, 527/399, 527/400, 527/401, 527/402, 527/403, 527/404, 527/405, 527/406, 527/407, 527/408, 527/409, 527/410, 527/411, 527/412, 527/413, 527/414, 527/415, 527/416, 527/417, 527/418, 527/419, 527/420, 527/421, 527/422, 527/423, 527/424, 527/425, 527/426, 527/427, 527/428, 527/429, 527/430, 527/431, 527/432, 527/433, 527/434, 527/435, 527/436, 527/437, 527/438, 527/439, 527/440, 527/441, 527/442, 527/443, 527/444, 527/445, 527/446, 527/447, 527/448, 527/449, 527/450, 527/451, 527/452, 527/453, 527/454, 527/455, 527/456, 527/457, 527/458, 527/459, 527/460, 527/461, 527/462, 527/463, 527/464, 527/465, 527/466, 527/467, 527/468, 527/469, 527/470, 527/471, 527/472, 527/473, 527/474, 527/475, 527/476, 527/477, 527/478, 527/479, 527/480, 527/481, 527/482, 527/483, 527/484, 527/485, 527/486, 527/487, 527/488, 527/489, 527/490, 527/491, 527/492, 527/493, 527/494, 527/495, 527/496, 527/497, 527/498, 527/499, 527/500, 527/501, 527/502, 527/503, 527/504, 527/505, 527/506, 527/507, 527/508, 527/509, 527/510, 527/511, 527/512, 527/513, 527/514, 527/515, 527/516, 527/517, 527/518, 527/519, 527/520, 527/521, 527/522, 527/523, 527/524, 527/525, 527/526, 527/527, 527/528, 527/529, 527/530, 527/531, 527/532, 527/533, 527/534, 527/535, 527/536, 527/537, 527/538, 527/539, 527/540, 527/541, 527/542, 527/543, 527/544, 527/545, 527/546, 527/547, 527/548, 527/549, 527/550, 527/551, 527/552, 527/553, 527/554, 527/555, 527/556, 527/557, 527/558, 527/559, 527/560, 527/561, 527/562, 527/563, 527/564, 527/565, 527/566, 527/567, 527/568, 527/569, 527/570, 527/571, 527/572, 527/573, 527/574, 527/575, 527/576, 527/577, 527/578, 527/579, 527/580, 527/581, 527/582, 527/583, 527/584, 527/585, 527/586, 527/587, 527/588, 527/589, 527/590, 527/591, 527/592, 527/593, 527/594, 527/595, 527/596, 527/597, 527/598, 527/599, 527/600, 527/601, 527/602, 527/603, 527/604, 527/605, 527/606, 527/607, 527/608, 527/609, 527/610, 527/611, 527/612, 527/613, 527/614, 527/615, 527/616, 527/617, 527/618, 527/619, 527/620, 527/621, 527/622, 527/623, 527/624, 527/625, 527/626, 527/627, 527/628, 527/629, 527/630, 527/631, 527/632, 527/633, 527/634,

*****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 TP-01 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF ROUSSES.

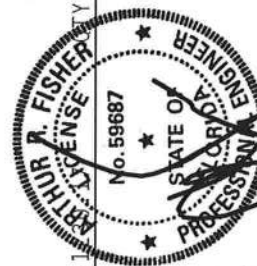
CONTRACTOR PLATES ARE MADE PER 7619/18/19 NATIONAL DESIGN SPEC. BY AFSPA AND TPI. ITW BCG CONECTOR PLATES ARE MADE PER 7619/18/19 NATIONAL DESIGN SPEC. BY AFSPA AND TPI. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A-2 THROUGH 160C-2 SHALL BE 1/2" THICK. ALL BOLTS SHALL BE 3/4" DIA. A SEAL ON THIS CONNECTION IS REQUIRED.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX 43 OF TP-01-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

THE SUBSITY/TPI 1 SEC.-2.

BUILDING DESIGNER PER ANY BUILDING IS THE RESPONSIBILITY OF THE



ITW Building Components Group, Inc.

Haines City, FL 33844

FL Certificate of Authorization # 567

Mar 23, '07

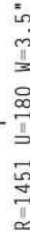
SPACING 24.0"

JREF- 1T5W8228Z01

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Factorial ANOVA



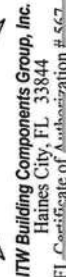
Scale = 1875" / Ft.

1 FI/-/4/-/-/R/-/

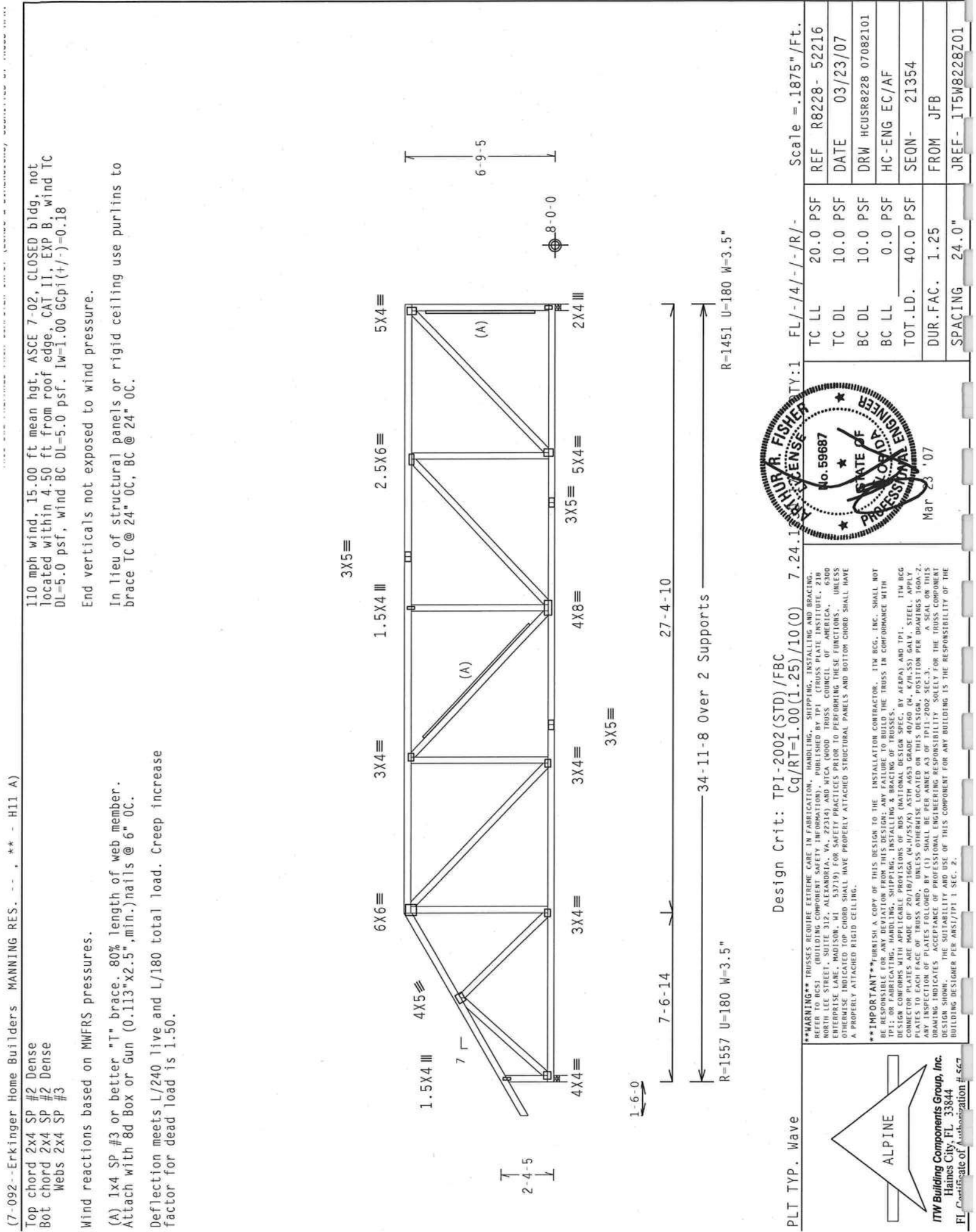
Scale = 1875"/Ft

TC LL	20.0 PSF	REF R8228- 52215
TC DL	10.0 PSF	DATE 03/23/07

BC UL	10.0 PSF	HC-ENG EC/AF	DKW HCU8R8228 07/0820
BC LL	0.0 PSF		
TOT.LD.	40.0 PSF	SEQN-	21350
DUR.FAC.	1.25	FROM	JFB



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



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

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

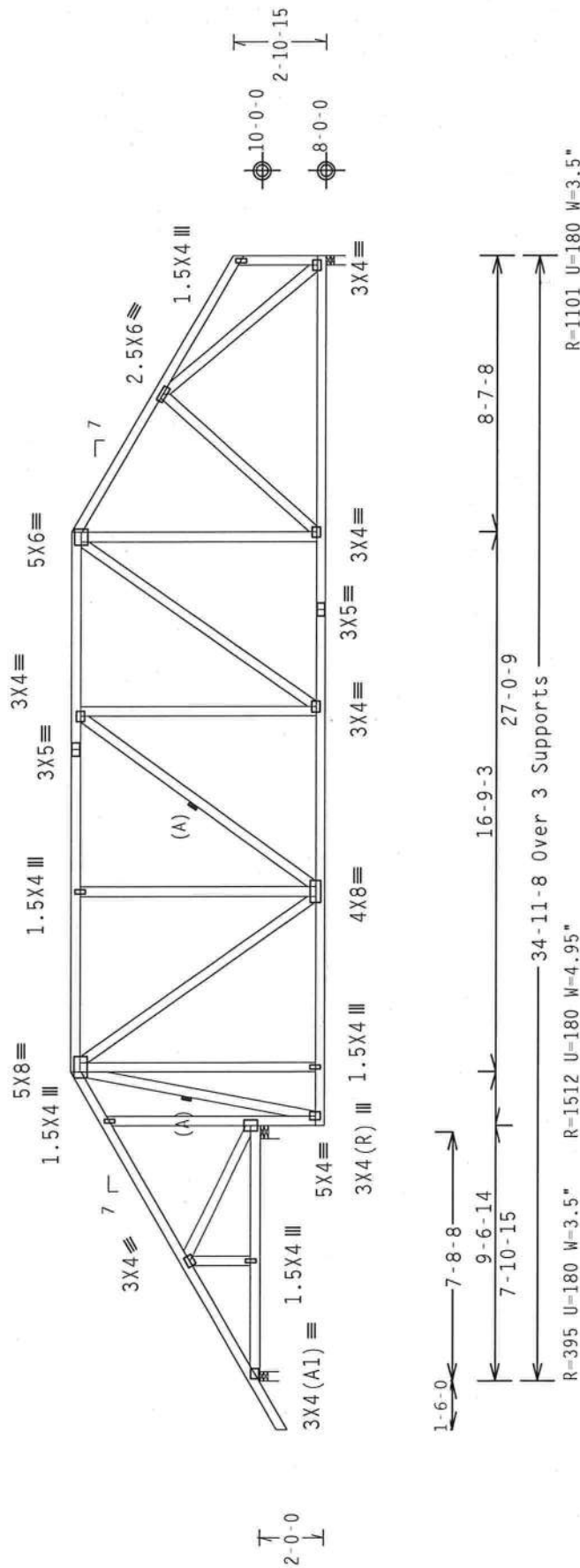
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



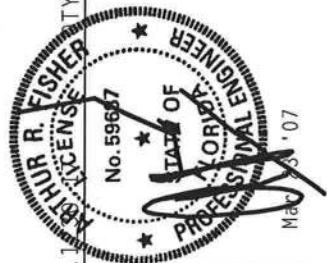
Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

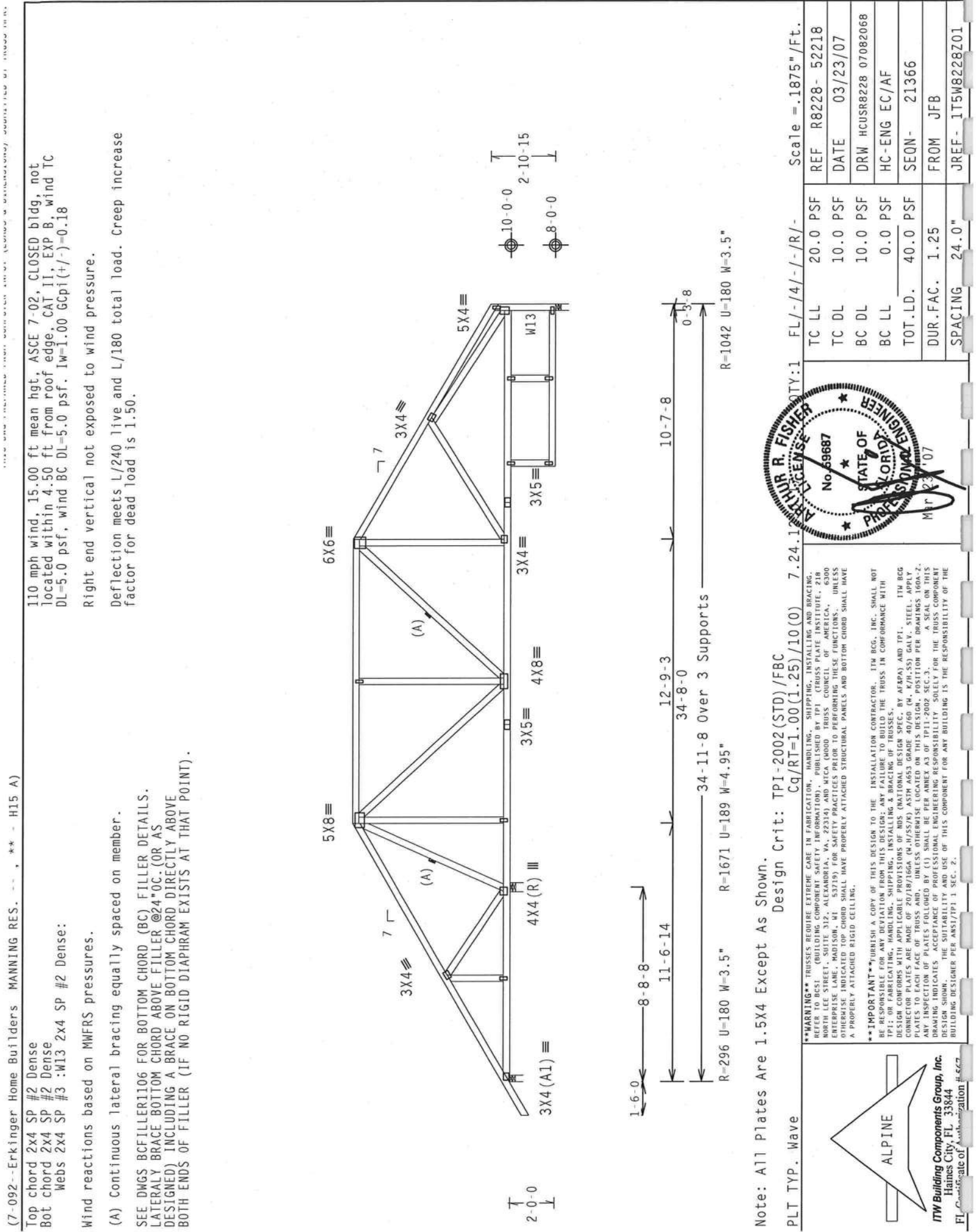
PLT TYP. Wave

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES3 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TCI, (TUSCALOOSA, AL, 35000), NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND A WOOD TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LANE, MADISON, MI, 48050, 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 CHORDING.

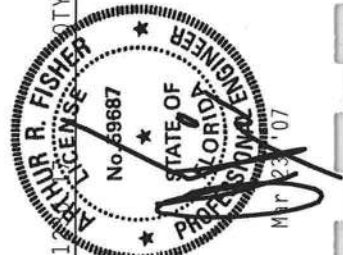
*****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1-OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG HAS REVIEWED AND APPROVED THIS DESIGN. TOTAL DESIGN SPEC. BY AFAPM) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 7079-T6 ALUMINUM VASSEL (AL-7075) STEEL PLATE. ALL STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS PAGE 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPECTIVELY 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/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 52217
TC DL	10.0 PSF	DATE	03/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07082067
BC LL	0.0 PSF	HC-ENG	EC/AF
TOT.LD.	40.0 PSF	SEQN-	21359
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	175W8228Z01

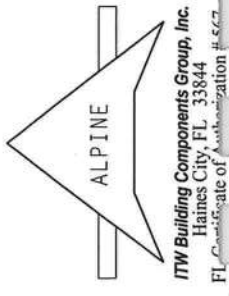


Note: All Plates Are 1.5X4 Except As Shown.		Design Crit: TPI-2002(STD)/FBC		Cq/RT=1.00(1.25)/10(0)		7.24.12		Scale = .1875"/Ft.	
PLT TYP. Wave		FL/-/4/-/10(0)		TC LL		20.0 PSF		REF R8228- 52218	
				TC DL		10.0 PSF		DATE 03/23/07	
				BC DL		10.0 PSF		DRW HCUSR8228 07082068	
				BC LL		0.0 PSF		HC-ENG EC/AF	
				TOT.LD.		40.0 PSF		SEQN- 21366	
				DUR.FAC.		1.25		FROM JFB	
				SPACING		24.0"		JREF- 1T5W8228Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCGS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND METCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR 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 BCGS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITM BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING. 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.



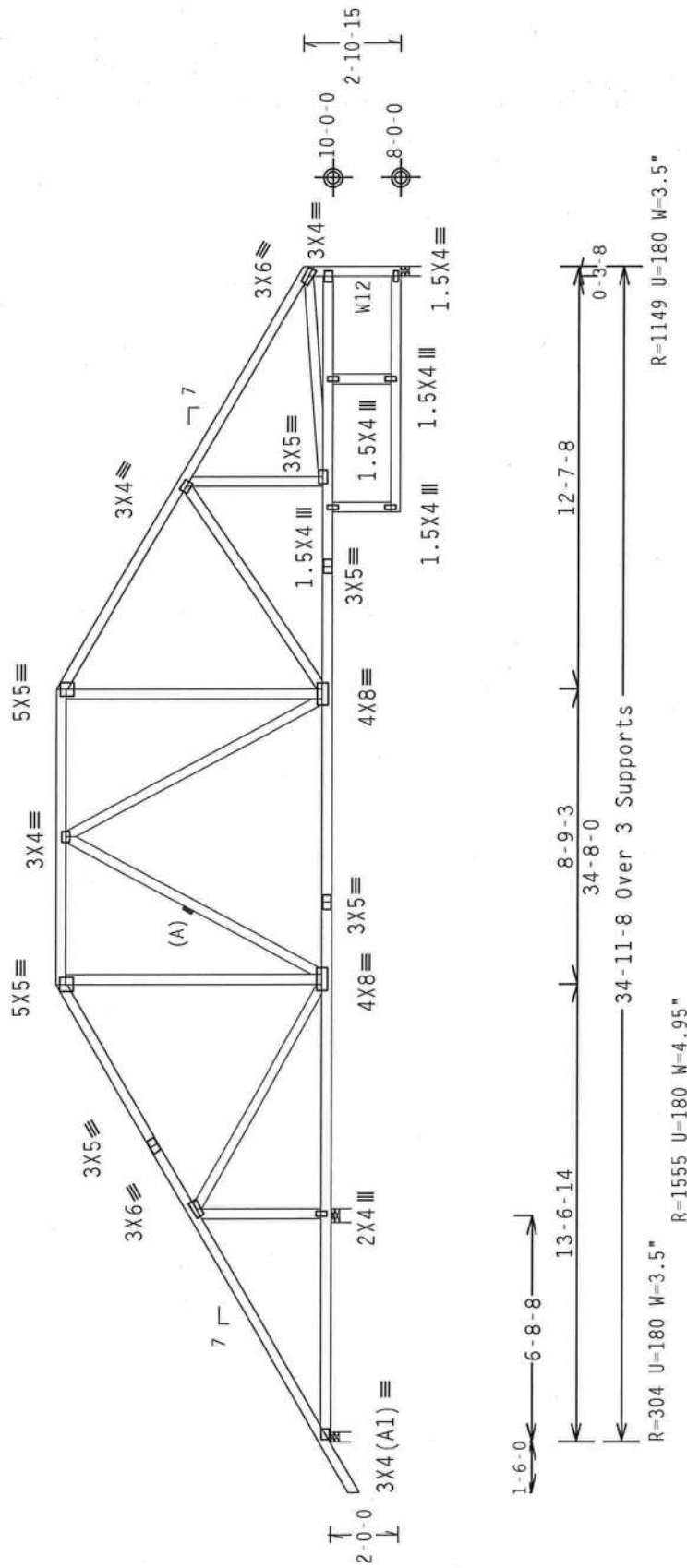
110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf $I_w=1.00$ GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

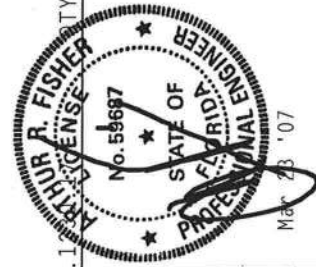
(A) Continuous lateral bracing equally spaced on member.

SEE DWGS 8CFILLER1106 FOR BOTTOM CHORD (BC) FILLER DETAILS.
LATERAL BRACE BOTTOM CHORD ABOVE FILLER @24"OC. (OR AS
DESIGNED) INCLUDING A BRACE ON BOTTOM CHORD DIRECTLY ABOVE
BOTH ENDS OF FILLER (IF NO RIGID DIAPHRAM EXISTS AT THAT PO

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

FL / - / 4 / - / - / R / -
Scale = .1875" / Ft.

TC LL	20.0	PSF	REF	R8228-	52219
TC DL	10.0	PSF	DATE	03/23/07	
BC DL	10.0	PSF	DRW	HCUSR8228	07082069
BC LL	0.0	PSF	HC-ENG	EC/AF	
TOT.LD.	40.0	PSF	SEQN-	21375	
DUR.FAC.	1.25		FROM	JFB	
SPACING	24.0"		JREF-	1T5M8228Z01	



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INSTRUCTIONS AND CONSULT WITH THE TRUSS MANUFACTURER. TRUSS MANUFACTURER: CHASS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALICIA, MISSOURI 64401-1000. TRUSS CODE: CHASS-1. 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 CELLS.

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

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI. ITM BCG HAS BEEN ADVISED THAT THERE ARE NO OTHER CODES OR STANDARDS WHICH APPLY TO THIS PROJECT.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 THROUGH 160C-2. SEE ALSO SECTION 1.0 FOR ADDITIONAL INFORMATION REGARDING PLATE CONNECTIONS.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER APPX A.3 OF TPI-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE REMAINING PORTION OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER (SEE APPX I, SEC. 2).

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #557

FL Certificate of Authorization

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

Wind reactions based on MWFRS pressures.

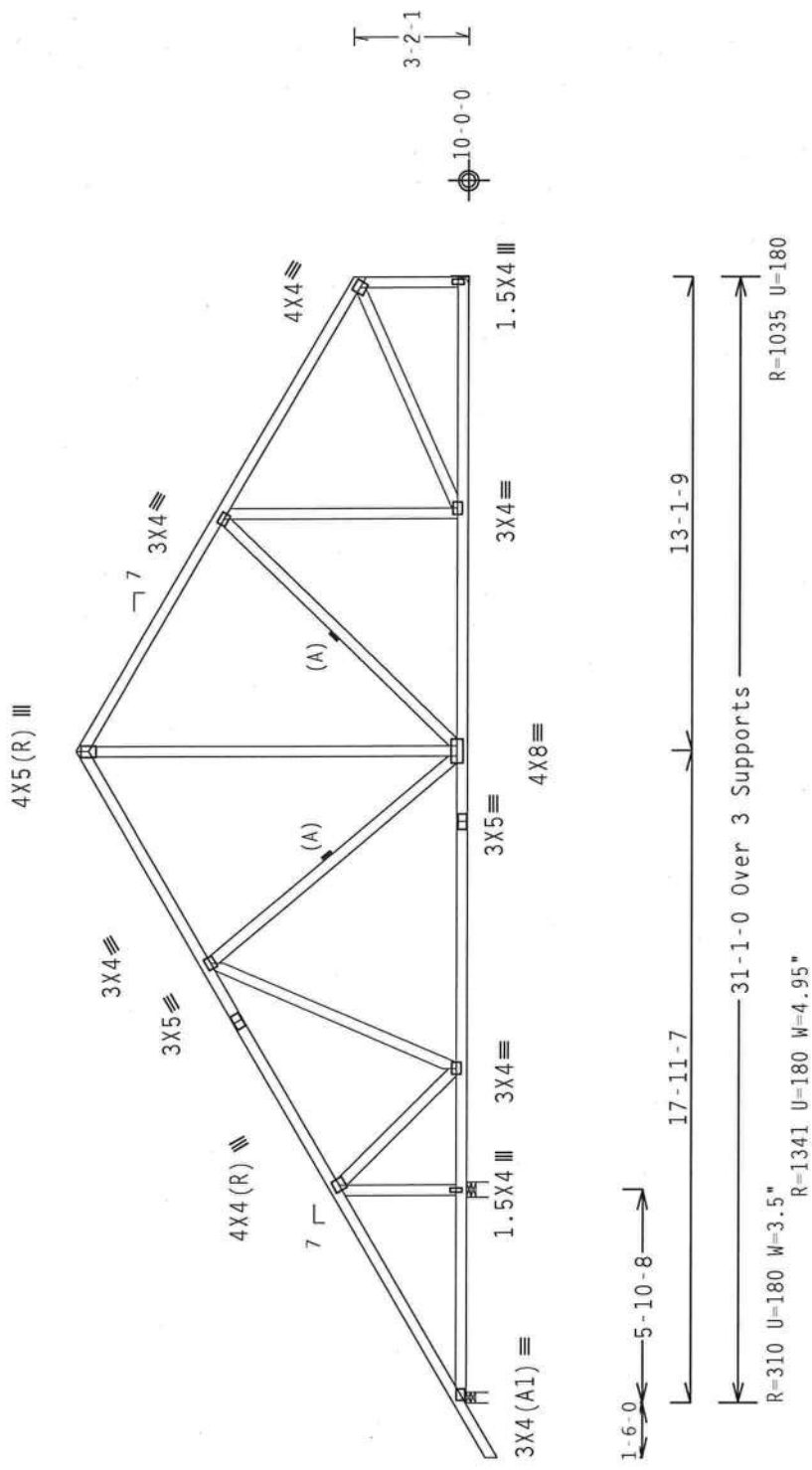
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcpi(+/-)=0.18

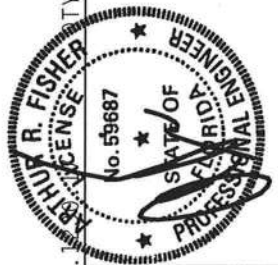
Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24

PLT TYP. Wave	TY: 1	FL/-/4/-/-/R/-	Scale = .1875"/Ft.
	TC LL	20.0 PSF	REF R8228- 52221
	TC DL	10.0 PSF	DATE 03/23/07
	BC DL	10.0 PSF	DRW HCUSR8228 07082071
	BC LL	0.0 PSF	HC-ENG EC/AF
	TOT.LD.	40.0 PSF	SEQN- 21416
	DUR.FAC.	1.25	FROM JFB
	SPACING	24.0"	JREF- 1T5W8228Z01



Mar 23 '07

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48319) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITM BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/PAJ AND TPI). CONNECTOR PLATES ARE MADE OF 2018/16GA (4-N/55/PS) ASTM A653 GRADE 40/60 (4, K/M,SS) GALV. STEEL. APPLY PERMANENT IDENTIFICATION TO ALL TRUSSES. ALL TRUSSES SHALL BE PERMANENTLY IDENTIFIED BY THE DESIGNER'S 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.

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

Wind reactions based on MWFRS pressures.

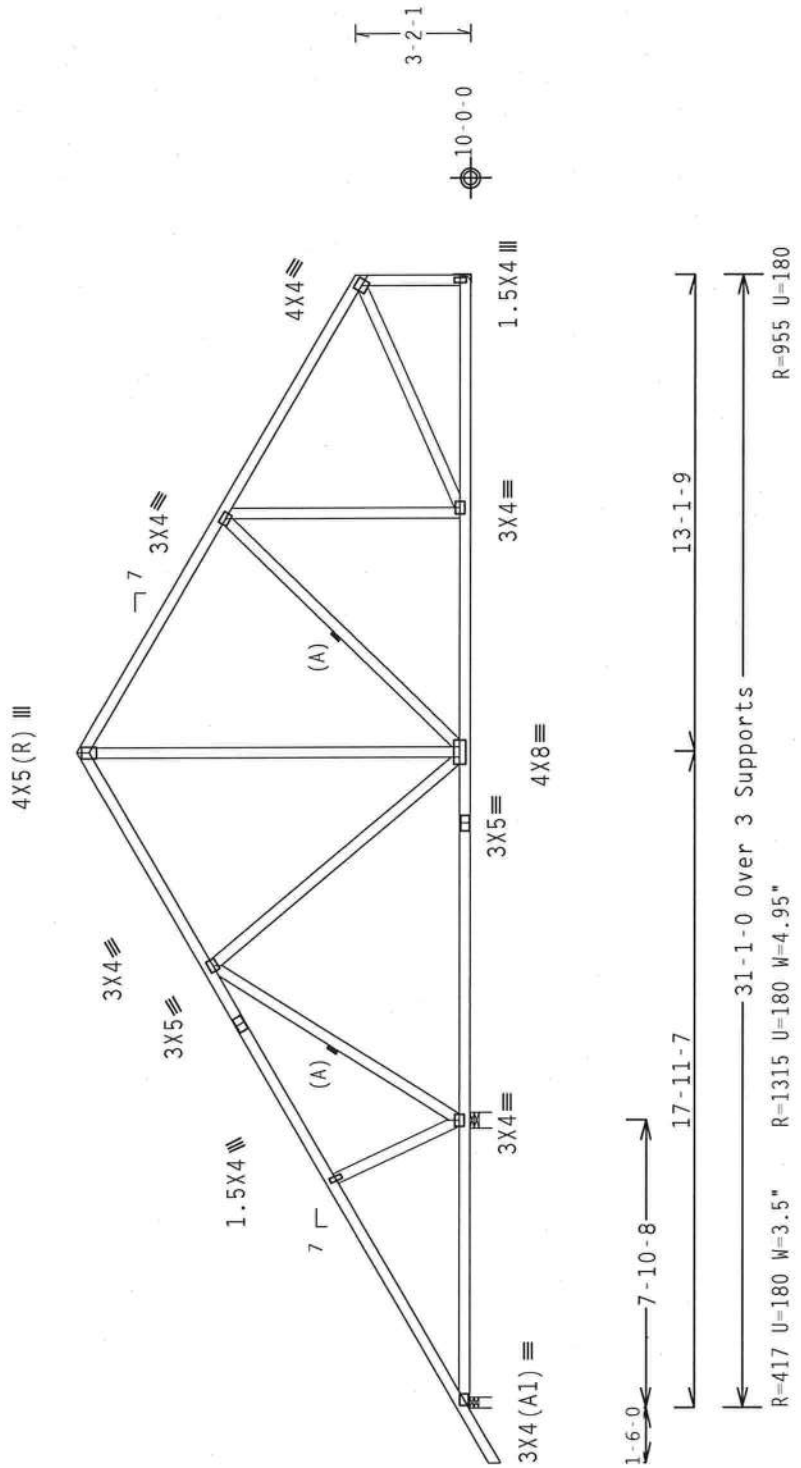
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpi(+/-)=0.18

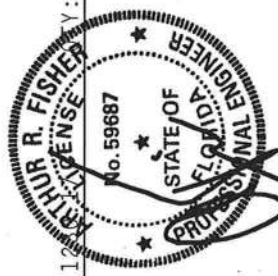
Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7-24-12

PLT TYP. Wave	FL/-4/-/-R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228- 52222
TC DL	10.0 PSF	DATE 03/23/07
BC DL	10.0 PSF	DRW HCUSR8228 07082072
BC LL	0.0 PSF	HC-ENG EC/AF
TOT.LD.	40.0 PSF	SEQN- 21422
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T5W8228Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD INSTITUTE, 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.

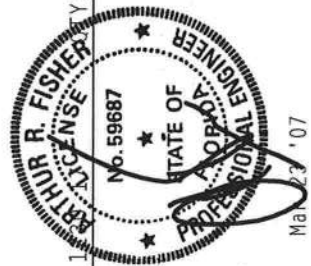
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/1066A (W/55%) ASTM A653 GRADE 40/60 (W/ K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF EACH TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. 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, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

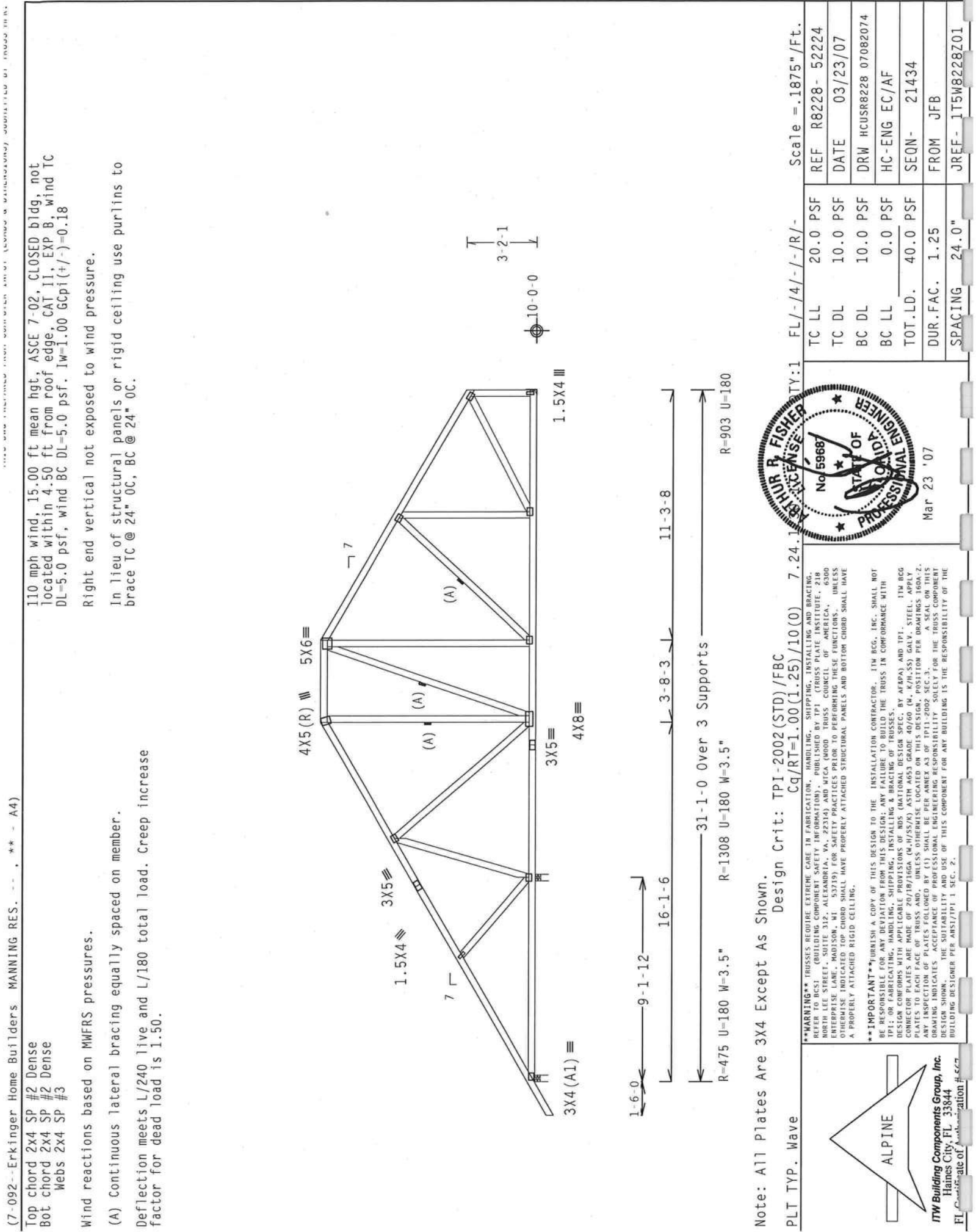


Scale = .1875" / Ft.

TC LL	20.0	PSF	REF	R8228-	52223
TC DL	10.0	PSF	DATE	03/23/07	
BC DL	10.0	PSF	DRW	HCUSR8228	07082073
BC LL	0.0	PSF	HC-ENG	EC/AF	
TOT.LD.	40.0	PSF	SEQN-	21427	
DUR.FAC.	1.25		FROM	JFB	
SPACING	24.0"		JREF-	1T5W8228Z01	

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization: # 5074



(7-092--Erkinger Home Builders MANNING RES. -- , ** - A4)

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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.

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

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

Scale = .1875" / Ft.

REF R8228- 52224
DATE 03/23/07
DRW HCUSR8228 07082074
HC-ENG EC/AF
SEON- 21434
FROM JFB
JREF- 1T5W8228Z01

PLT TYP. Wave

Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

TY: 1 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"

Mar 23 '07

Professional Engineer
No 59687
State of Florida

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Registration # 567

(7-092--Erkinger Home Bui
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

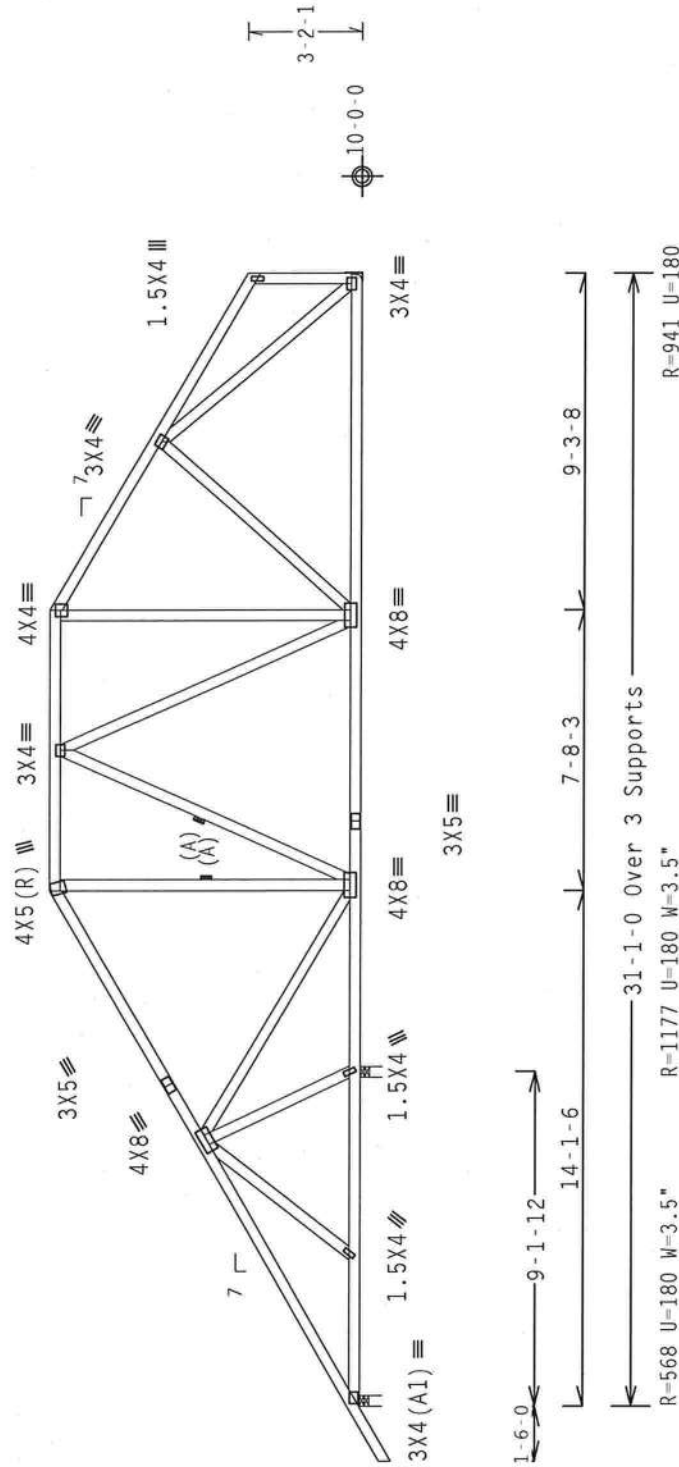
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

FL/-/4/-/-/R/-
Scale = .1875"/Ft.

11-17-2019

Scale = .1875"/Ft.

RFF B8228- 52225

DATE 03/23/07

DATE 05/23/01

DRW HCUSR8228 07082075

HC-ENG EC/AF

SEQN- 21439

FROM JFB

REF- 1T5W8228701

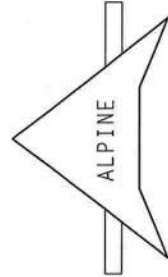
107070MC1T

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE STEEL PLATE INSTITUTE, 2100 N. MICHIGAN AVE., CHICAGO, ILL. 60610, FOR PROPER BRACING OF TRUSSES. CONTACT THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH DEARBORN ST., CHICAGO, ILL. 60610, FOR ADDITIONAL INFORMATION ON SAFE PRACTICES FOR THE Erection OF STEEL TRUSSES. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIBBED 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 SPECIFICATION), ITW BCG TRUSS DESIGN COMPANION AND MODEL EDITION/160874 (4-11/15/74). ASTM A653 GRADE 40/50 (R. K/H-155) GALV. STEEL. APPLY PLATE TO EXISTING MEMBER PER EDITION/160874 (4-11/15/74).

THESE TRUSSES ARE DESIGNED TO SUPPORT DEAD LOADS ONLY. NO LIVE LOADS OR WIND LOADS. THESE TRUSSES HAVE BEEN DRAMING 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
FL Certificate of Authorization # 577

Florida Certificate of

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

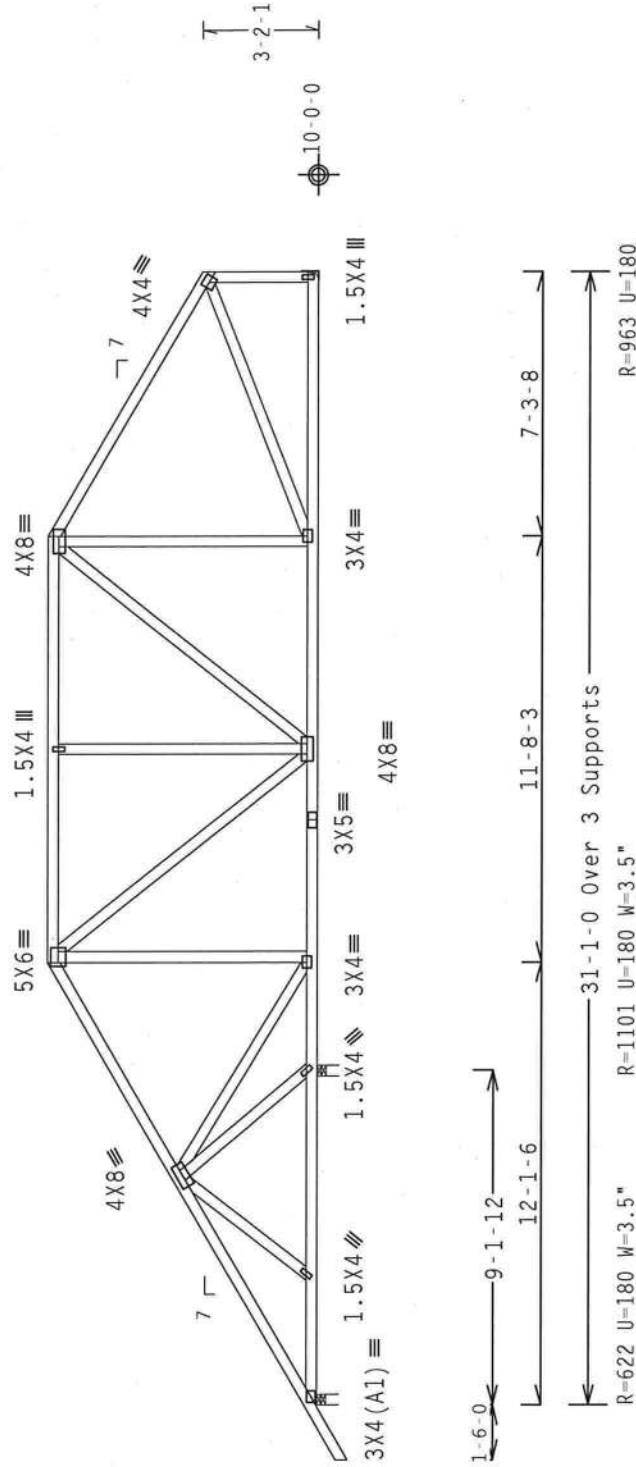
Wind reactions based on MWFRS pressures.

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

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

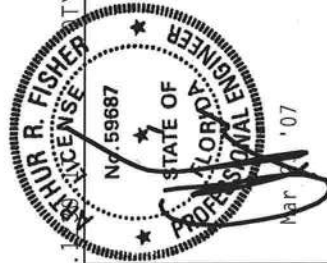
Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



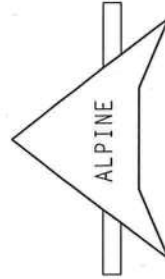
Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 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. ITM 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 INSTALLER. THE INSTALLER SHALL BE RESPONSIBLE FOR THE TRUSS BEING CONSTRUCTED IN ACCORDANCE WITH THE DESIGN. THE INSTALLER SHALL PROVIDE THE TRUSS WITH THE CORRECTOR PLATES ARE MADE OF 20/10/16GA (W/45S/A) ASTM A563 GRADE 40/60 (W/45S) 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
FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF	R8228- 52226
TC DL	10.0 PSF	DATE	03/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07082076
BC LL	0.0 PSF	HC-ENG	EC/AF
TOT.LD.	40.0 PSF	SEQN-	21444
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T5W8228Z01

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

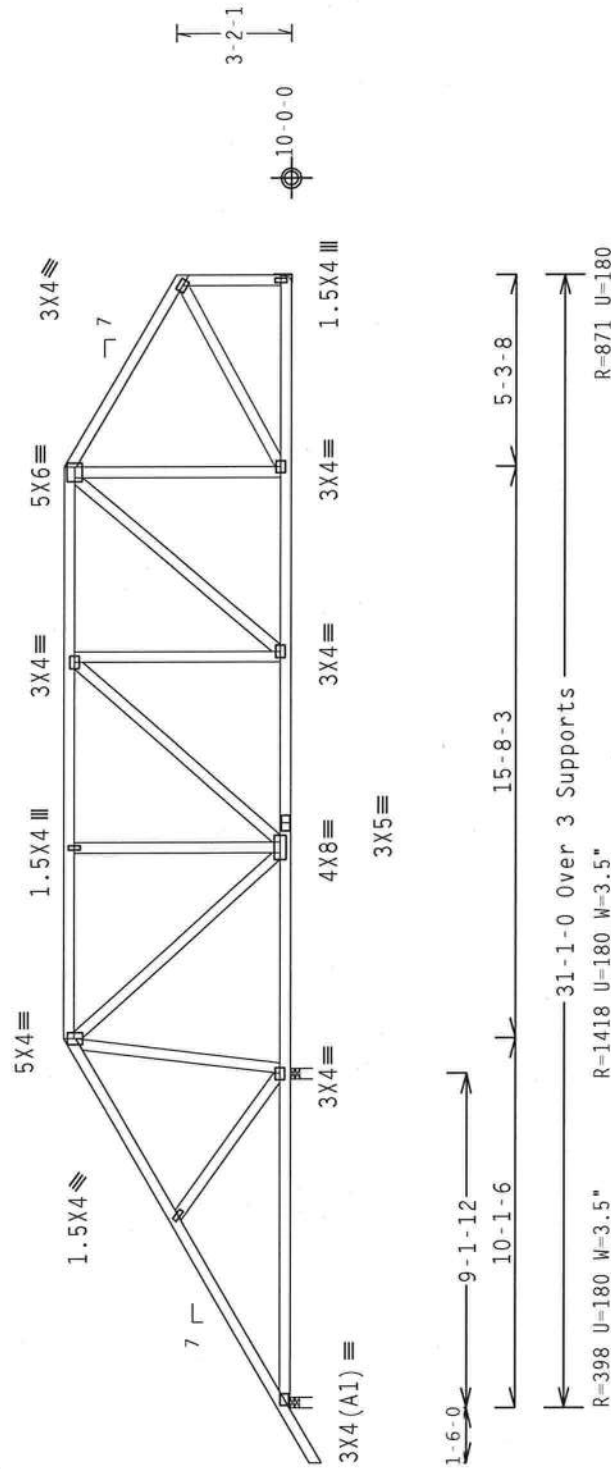
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	Cq/RT=1.00(1.25)/10(0)	7.24.1	FL/-4/-/-R/-	Scale = .1875"/Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (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, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.				
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/SS) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENTS 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 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567				
ARTHUR R. FISHER, P.E. No. 59687 STATE OF FLORIDA Professional Engineer Mar 1, '07				
TC LL	20.0 PSF	REF	R8228- 52227	
TC DL	10.0 PSF	DATE	03/23/07	
BC DL	10.0 PSF	DRW	HCUSR8228 07082077	
BC LL	0.0 PSF	HC-ENG	EC/AF	
TOT.LD.	40.0 PSF	SEON-	21449	
DUR.FAC.	1.25	FROM	JFB	
SPACING	24.0"	JREF-	1T5W8228Z01	

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

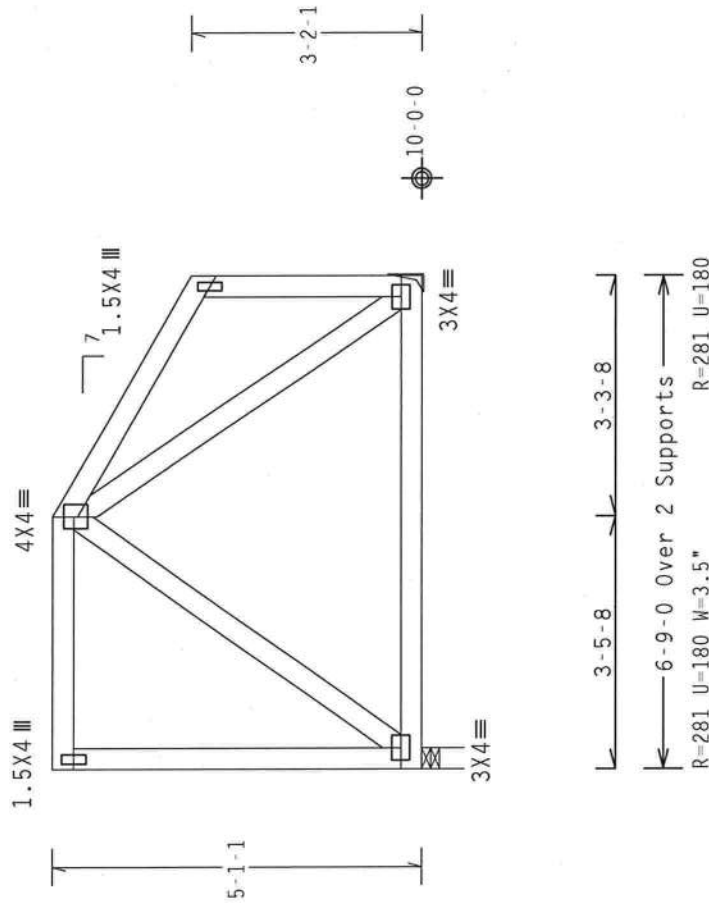
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

End verticals not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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

PLT TYP. Wave

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

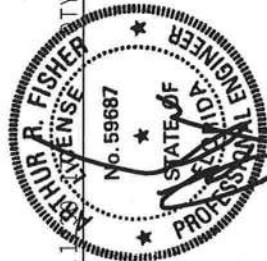
Scale = .375"/Ft.

****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 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 TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/HS/2) ASTM A653 GRADE 40/60 (N/HS/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ITW BCG TRUSSES ARE DESIGNED TO BE PLACED IN THE TRUSS COMPANY'S TRUSS LAYOUT. THE TRUSS COMPANY'S DRAWING INDICATES 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
FL Certificate of Authorization # 572



TC LL	20.0 PSF	REF	R8228- 52228
TC DL	10.0 PSF	DATE	03/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07082078
BC LL	0.0 PSF	HC-ENG	EC/AF
TOT.LD.	40.0 PSF	SEON-	159032
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T5W8228Z01

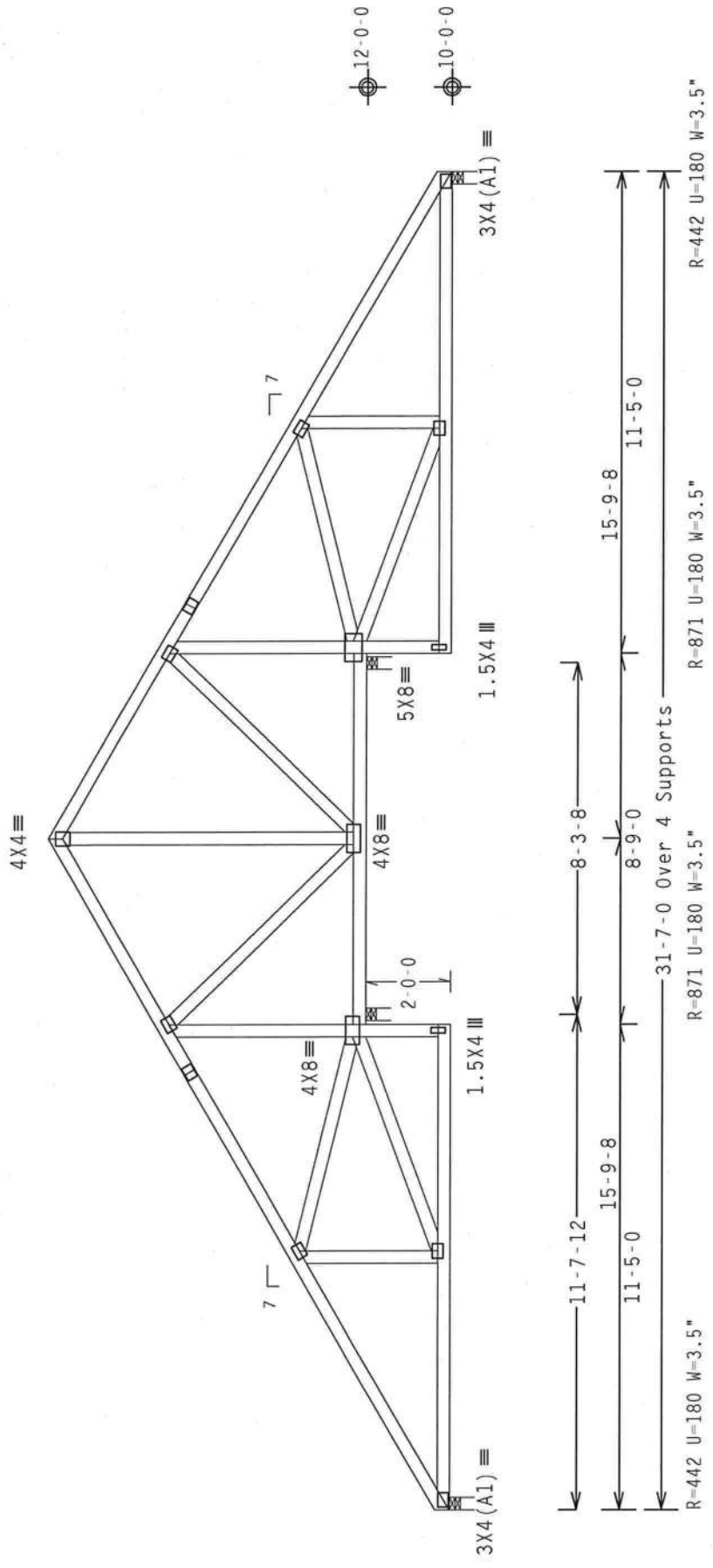
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

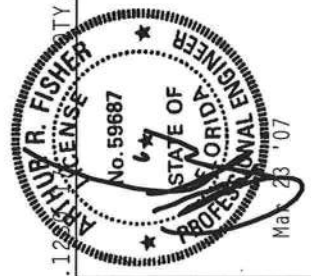
Cq/RT=1.00(1.25)/10(0) 7.24.12

Scale = .25"/Ft.

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR 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 AREA) AND TPI. ITM BCG CONSENTS TO PLATES ARE MADE TO 2010/1608 (4-11/55/18) ASTM A555 GRADE 40/50 (4, 47/11/55) GALV. STEEL. APPLY TO ALL TRUSSES. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER ANEX A3 OF TPI-2002 SECTION 10.0.0. 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.



TC LL	20.0 PSF	REF	R8228- 52229
TC DL	10.0 PSF	DATE	03/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07082079
BC LL	0.0 PSF	HC-ENG	EC/AF
TOT.LD.	40.0 PSF	SEQN-	21400
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T5W8228Z01

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Registration # 567

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

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

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

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.



R=469 H=180 W=35"

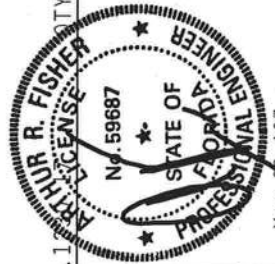
D-39E 11-100 11-3 5#

R-136 PLF U=16 PLF W=11-3-1

Design Crit: TPI-2002(STD)/FBC

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

Scale = 25"/Ft.



FROM JFB
REF- 1T5W8228Z01

FL Court's State of Florida Division of

Top chord 2x6 SP #2
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3 :W7 2x4 SP #2 Dense:

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)

Top Chord: 1 Row @ 4.00" o.c.

Bot Chord: 1 Row @ 4.25" o.c.

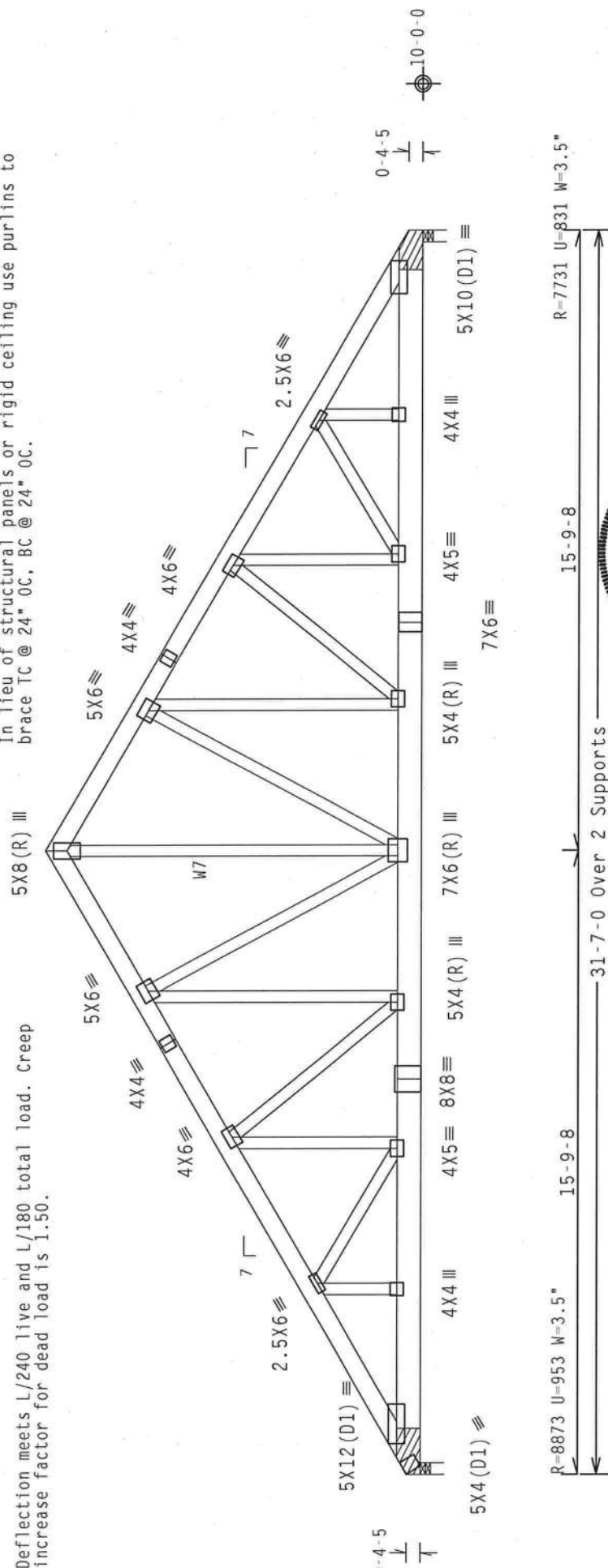
Webs : 1 Row @ 4" O.C.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 12d common (0.148"x3.25", min.)_nails
 X-BRG LENGTH/BLK #NAILS/BLK WALL PLATE
 1 0.000' 1 14" Rigid Surface
 2 31.294' 1 12" Rigid Surface
 6
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CNBRGLK1103 for additional information.

110 mph wind, 15.09 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCpi(+/-)=0.18

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



R=7731 U=831 W=3.5"

15-9-8

31-7-0 Over 2 Supports

Design Crit: TPI-2002(STD)/FBC

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

LIBRARY
SHERBORN
LICENSE
TY:1

Scale = .25"/Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PLEASE TO THE FOLLOWING COMPANY FOR LITERATURE, PUBLISHED BY CROSS PLANT INSTITUTE, 718 NORTH LEE STREET, SUITE 312, ALICANTORIA WA, 92234. *CROSS PLANT INSTITUTE*, TRUSS SOCIETY OF AMERICA, ENTERPRISE LANE, WADSWORTH MI, 53219. FOR SAFE PRACTICES RELATIVE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIBBED CEILING.

[illegible]

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24 0"

REF - R8228 - 52231
DATE 03/23/07
DRW HCUSR8228 07082099
HC-ENG EC/AF
SEQN - 159051
FROM JFB
IRREF - 1T5W8228701



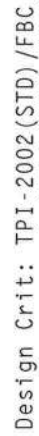
ITW Building Components Group, Inc.
Haines City, FL 33844

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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

[illegible][illegible]

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR FOR ITS BEG., INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, APPLYING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AREA) AND TP1. ITR BEG. HAS BEEN ADVISED THAT THERE IS NO REQUIREMENT FOR AN ADDITIONAL STEEL PLATE AT EACH JOINT WHERE TWO TRUSS PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS POSITION PER DRAWINGS HOOK-2.

ANY INSPECTION OF PLATES FOLLOWED BY C) SHALL BE PER AREA# A.3 OF TP1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT SHOWN HEREON. THE USER OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AREA# TP1-1 SEC. 2.

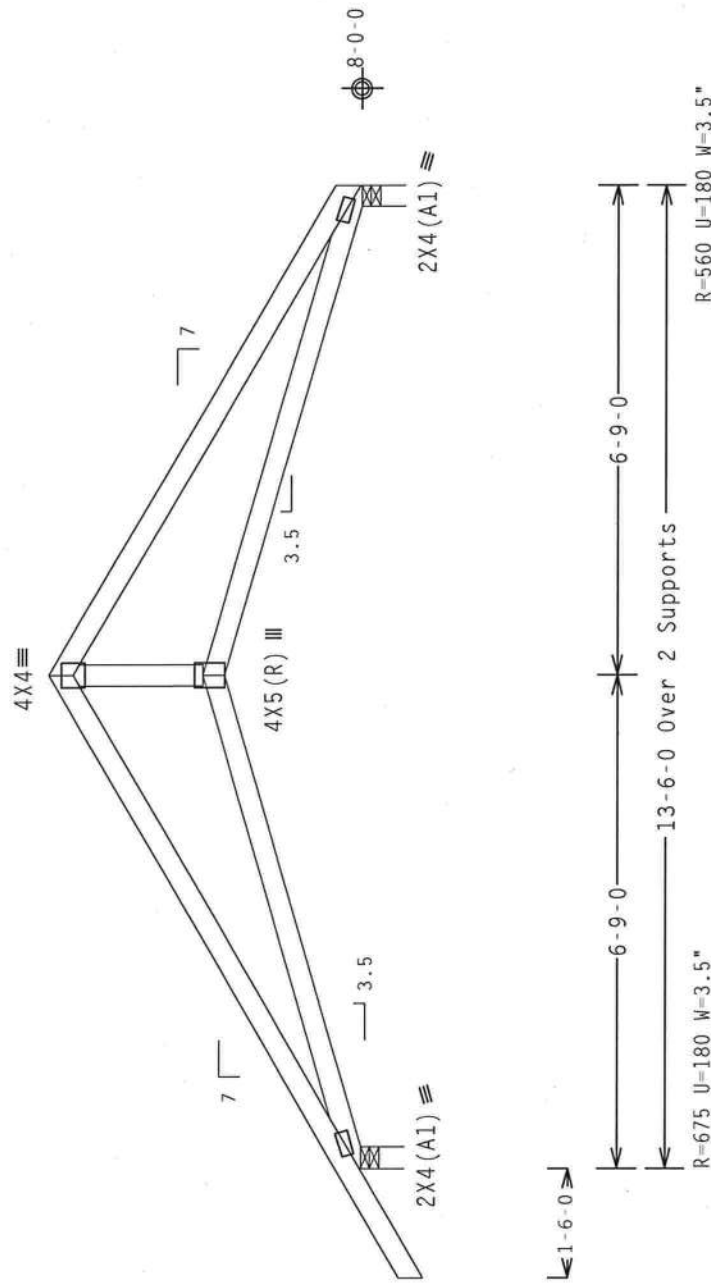
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TC DL	10.0	PSF	DATE	03/23/07
BC DL	10.0	PSF	DRW	HCUSR8228 07082080
BC LL	0.0	PSF	HC-ENG	EC/AF
TOT.LD.	40.0	PSF	SEQN-	159067
DUR.FAC.	1.25		FROM	JFB
SPACING	24.0"		JREF-	1T5W8228Z01



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

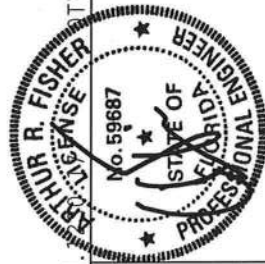
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

Scale = .375"/Ft.

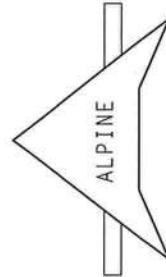
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TC DL	10.0 PSF	DATE	03/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07082061
BC LL	0.0 PSF	HC-ENG	EC/AF *
TOT.LD.	40.0 PSF	SEQN-	159070
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T5W8228Z01



Mar 23 '07

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. USER TO BEQUEST BUILDING CONTRACTOR SAFETY INFORMATION. PUBLISHED BY THE CRUSS PAPER INSTITUTE, 2308 ENTERPRISE LANE, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, THE USER MUST READ THE CRUSS PAPER INSTITUTE'S SAFETY MANUAL. THE TOP AND BOTTOM 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 OVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN) FRAMEWORK. ALL TRUSSES AND CONNECTOR PLATES ARE MADE OF 20X18/16GA. U4/W2SP/PLATE W4X6S3 GRADE 40/60 (U. K/H/S3) GALV. STEEL, APPLY 17M BCG PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 169A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER AMEX 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 SUBMITTER/TPI 1 SEC. 2. 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

FI Certificate of Authorization # 567

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

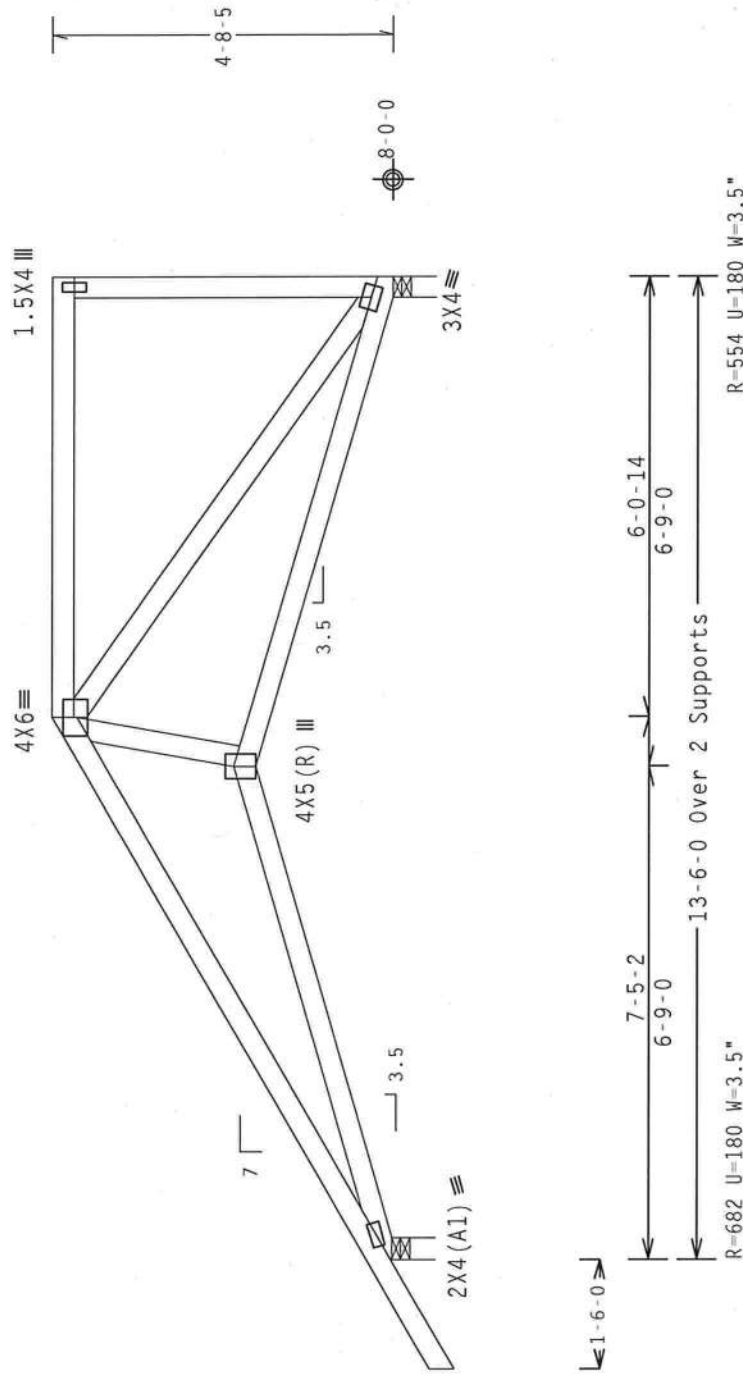
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



Design Crit: TPI-2002 (STD) / FBC

Scale = .375"/Ft.

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

QTY: 1

7.24.1

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

PLT TYP. Wave

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25

TOT. LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R8228- 52234

DATE 03/23/07

DRW HCUSR8228 07/08/2082

HC-ENG EC/AF

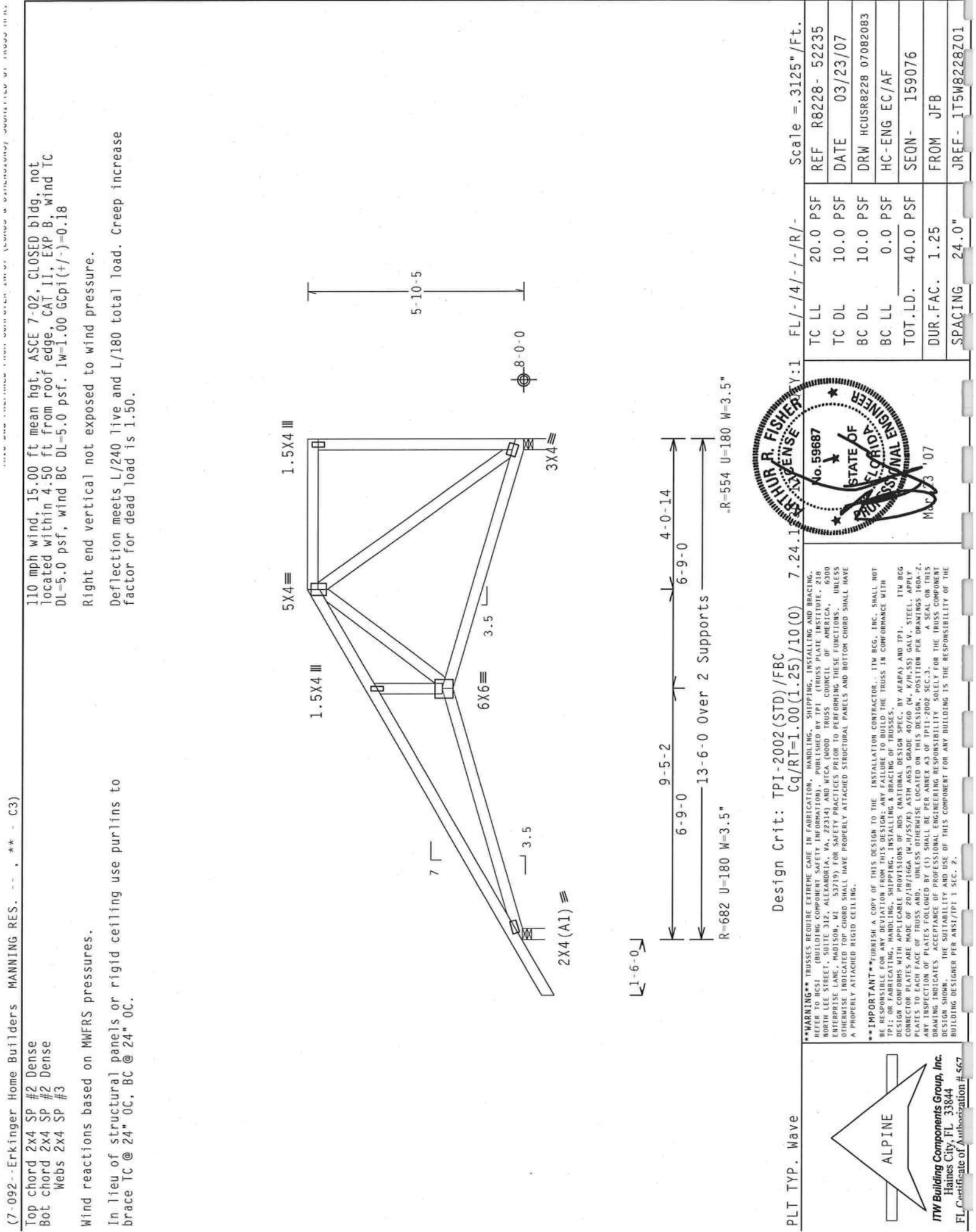
SEQN- 159073

FROM JFB

JREF- 1T5W8228Z01

SPACING 24.0"

DUR. FAC. 1.25



(7-092--Erkinger Home Builders MANNING RES. --, ** - C3)

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

Wind reactions based on MWFRS pressures.

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

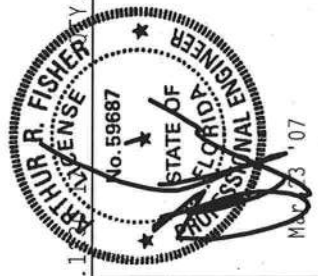
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

PLT TYP. Wave	Scale = .3125"/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"
REF	R8228- 52235
DATE	03/23/07
DRW	HCUSR8228 07082083
HC-ENG	EC/AF
SEQN-	159076
FROM	JFB
JREF-	1T5W8228Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) 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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS SHALL BE DESIGNED TO MEET THE DESIGN REQUIREMENTS OF THE TPI TRUSS PLATE INSTITUTE. ITW BCG SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS SHALL BE DESIGNED TO MEET THE DESIGN REQUIREMENTS OF THE TPI TRUSS PLATE INSTITUTE. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3.2. 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.

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

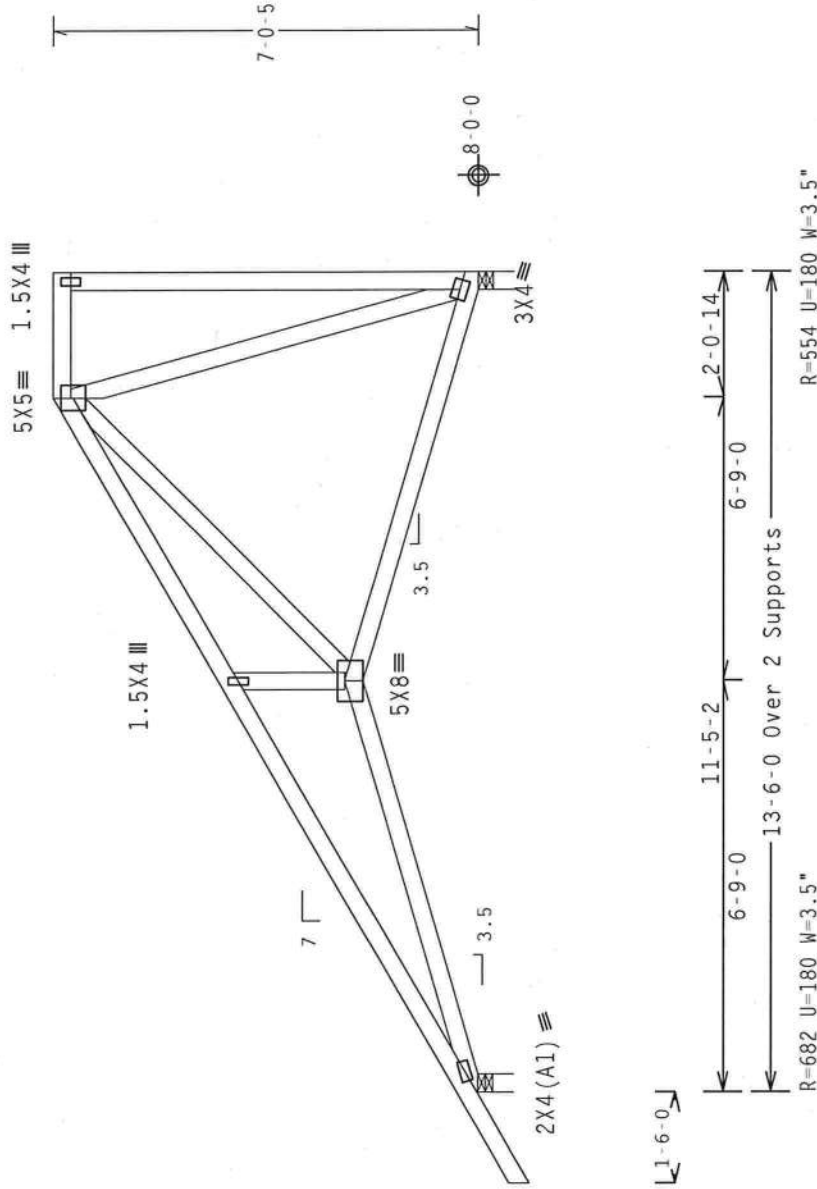
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCp1(+/-)=0.18

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

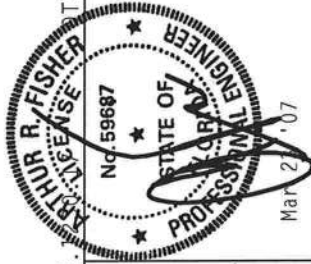
Cq/RT=1.00(1.25)/10(0) 7.24

Scale = .3125"/Ft.

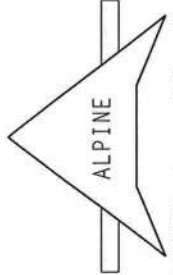
PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 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 TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI: STEEL PLATE TRUSSES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 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.



TC LL	20.0 PSF	FL/-4/-/-/R/-	Scale = .3125"/Ft.
TC DL	10.0 PSF		REF R8228- 52236
BC DL	10.0 PSF		DATE 03/23/07
BC LL	0.0 PSF		DRW HCUSR8228 07082084
TOT.LD.	40.0 PSF		HC-ENG EC/AF
DUR.FAC.	1.25		SEQN- 159079
SPACING	24.0"		FROM JFB
			JREF- 1T5W8228Z01



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Registration # 667

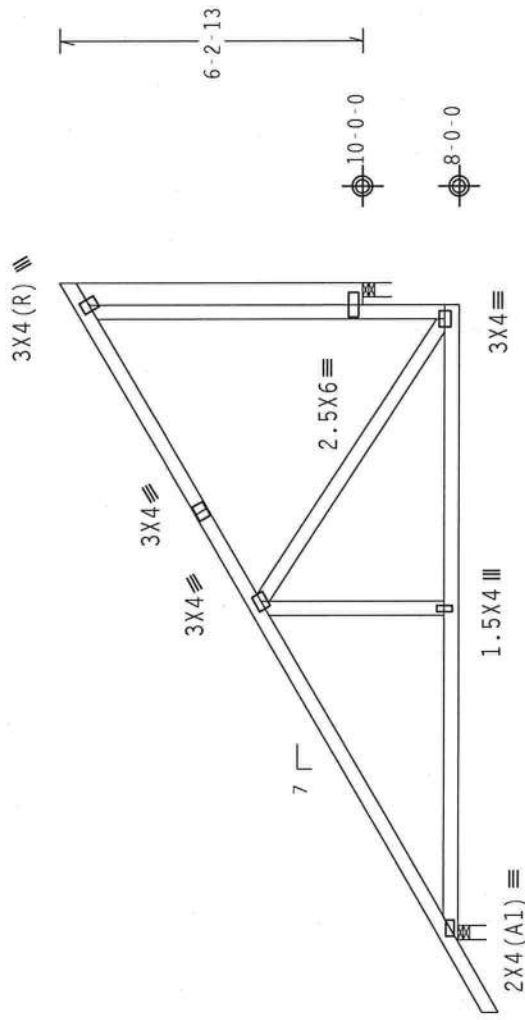
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:

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

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

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



11-6-0

13-6-0 Over 2 Supports

R-668 U=180 W=3.5"

R-556 U=180 W=3.5"

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

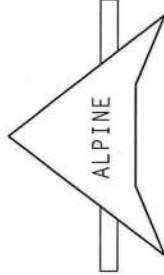
Scale = .25"/Ft.

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

7.24

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITM BCG CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI1. ITM BCG SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. ITM BCG SHALL APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED ON THIS DESIGN PER DRAWING 2, ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. ITM BCG SHALL 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
FL State of Florida

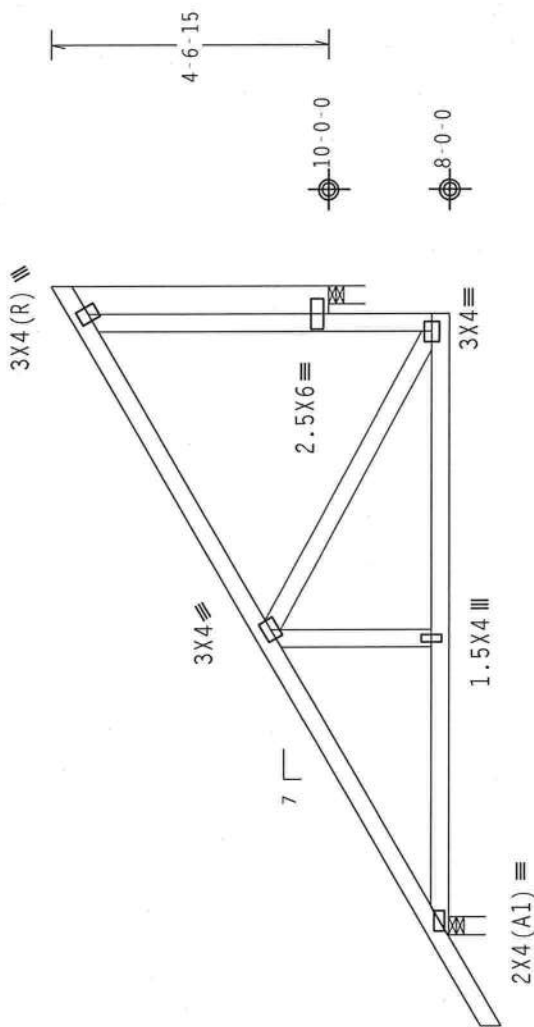
TC LL	20.0 PSF	REF R8228- 52238
TC DL	10.0 PSF	DATE 03/23/07
BC DL	10.0 PSF	DRW HCUSR8228 07082087
BC LL	0.0 PSF	HC-ENG EC/AF
TOT.LD.	40.0 PSF	SEON- 159092
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T5W8228Z01

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1-6-01

10-8-0 Over 2 Supports

R=436 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/4/-/-/R/-
Scale = .3125"/Ft.

PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PLEASE FOLLOW THE COMPANY'S INSTRUCTIONS. THE COMPANY'S OFFICE IS LOCATED AT 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND MTCA (MOTOR TRUSS, COUNCIL OF AMERICA), ENTERPRISE LANE, WAUWATONIA, WI 53191. 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.

****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 COULD RESULT IN DAMAGE TO PROPERTY OR PERSONAL INJURY. THE FOLLOWING ARE THE MINIMUM DESIGN REQUIREMENTS THAT MUST BE COMPLIED WITH REGARDLESS OF THE TYPE OF TRUSS OR JOINT CONNECTIONS USED. ALL TRUSSES AND JOINTS SHALL BE DESIGNED TO RESIST ALL APPLICABLE LOADS AND FACTORS AS SPECIFIED IN THE DRAWINGS. THE DESIGNER SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR VERIFYING THE TRUSS DESIGN AND FOR PROVIDING THE TRUSS MANUFACTURING DRAWINGS. THE TRUSS MANUFACTURING DRAWINGS SHALL BE PROVIDED TO THE TRUSS MANUFACTURER BY THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING THE TRUSS MANUFACTURING DRAWINGS TO THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING THE TRUSS MANUFACTURING DRAWINGS TO THE TRUSS MANUFACTURER.



Mar 23 '07

TC LL	20.0	PSF	REF R8228- 52239
TC DL	10.0	PSF	DATE 03/23/07
BC DL	10.0	PSF	DRW HCUR8228 07082088
BC LL	0.0	PSF	HC-ENG EC/AF
TOT.LD.	40.0	PSF	SEQN- 159095
DUR.FAC.	1.25		FROM JFB
SPACING	24.0"		JREF- 1T5W8228Z01

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

FL Certificate of Authorization # 567

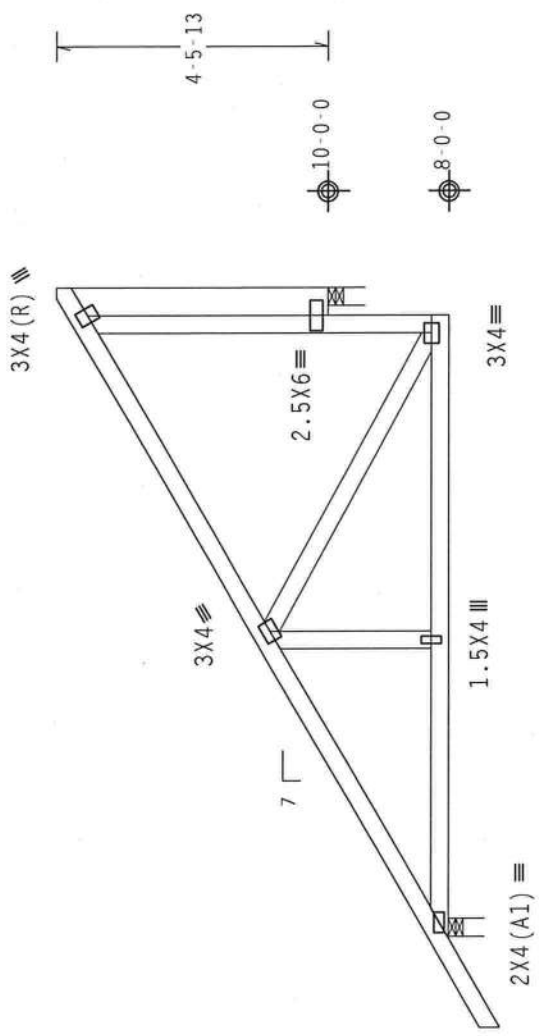
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge. CAT II, EXP 8, wind TC
DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

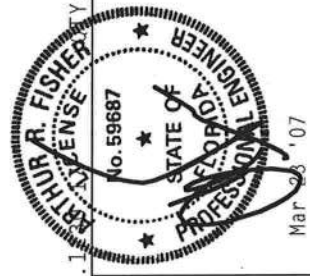


L1-6-0

10-8-0 Over 2 Supports
R=552 U=180 W=3.5"
R=418 U=180 W=3.5"

Design Crit: TPI-2002 (STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.1

Scale = .3125"/Ft.



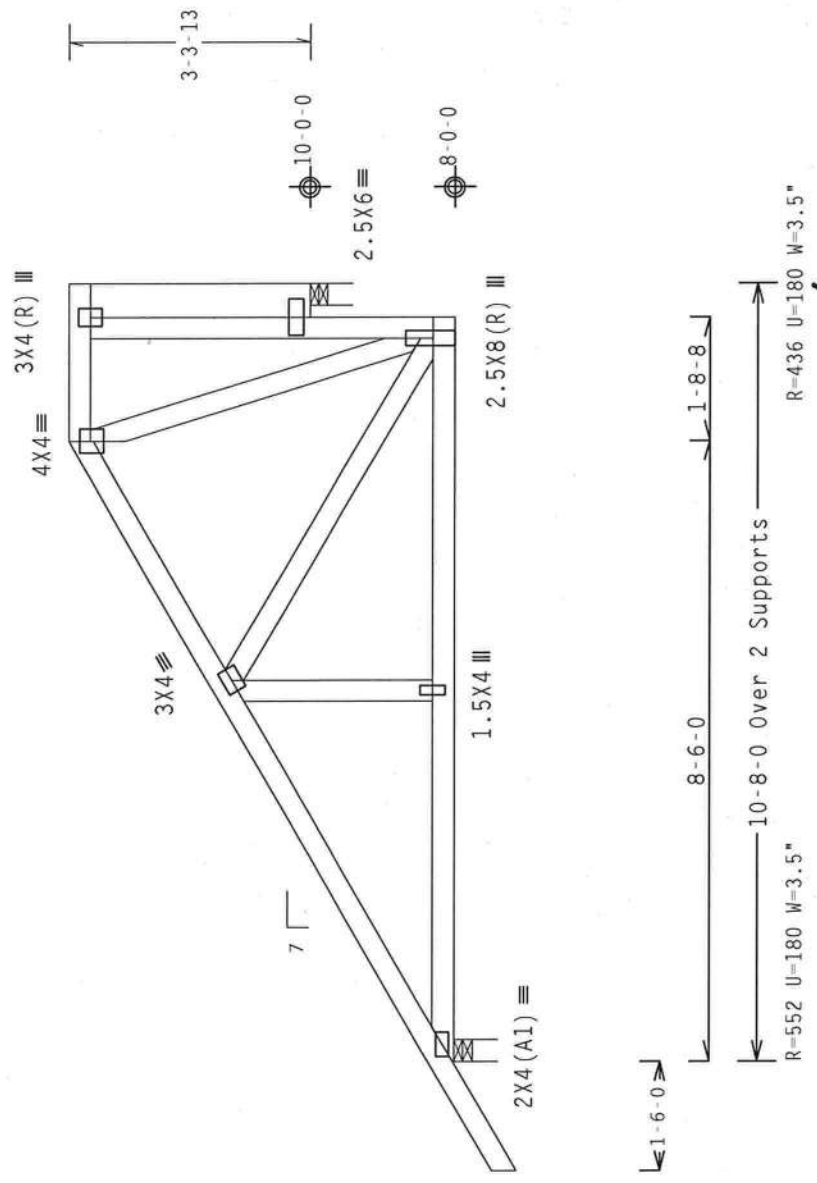
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTION PLATES ARE MADE OF 2018/1066 (A20/SS/2) ASTM A653 GRADE 40/60 (IN. K/H-SS) GALV. STEEL. APPLY PLATING TO EACH FACE OF TOP CHORD 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. 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.

TC LL	20.0 PSF	FL/-/4/-/-/R/-	REF	R8228- 52240
TC DL	10.0 PSF		DATE	03/23/07
BC DL	10.0 PSF		DRW	HCUSR8228 07082089
BC LL	0.0 PSF		HC-ENG	EC/AF
TOT.LD.	40.0 PSF		SEQN-	159106
DUR.FAC.	1.25		FROM	JFB
SPACING	24.0"		JREF-	1T5W8228Z01

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC Cq/RT-1.00(1.25)/10(O) 7.24.10		FL/-4/-/-R/- QTY:1		Scale = .375"/Ft.	
 ALPINE		**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 HORTER STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NFCA (NATIONAL ASSOCIATION OF TRUSS MANUFACTURERS, 6500 UNIVERSITY DRIVE, FARMINGTON, CT 06030). IF THE TRUSS OR ITS COMPONENTS DO NOT MEET THESE REQUIREMENTS, 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-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.					
		APPROVE THIS DESIGN BY SIGNATURE OF DESIGNER PER ANSI/TPI 1 SEC. 2. ITW REG. CONNECTOR PLATES ARE MADE TO SPECIFICATIONS OF THIS NATIONAL DESIGN SPEC. BY ANSYS AND TPI. STEEL 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 ANEX A3 OF TPI-1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.					
		TC LL	20.0 PSF		REF	R8228-	52241
		TC DL	10.0 PSF		DATE	03/23/07	
		BC DL	10.0 PSF		DRW	HCSR8228	07082090
		BC LL	0.0 PSF		HC - ENG	EC/AF	
		TOT.LD.	40.0 PSF		SEQN-	159109	
		DUR.FAC.	1.25		FROM	JFB	
		SPACING	24.0"		JREF-	1T5W8228Z01	

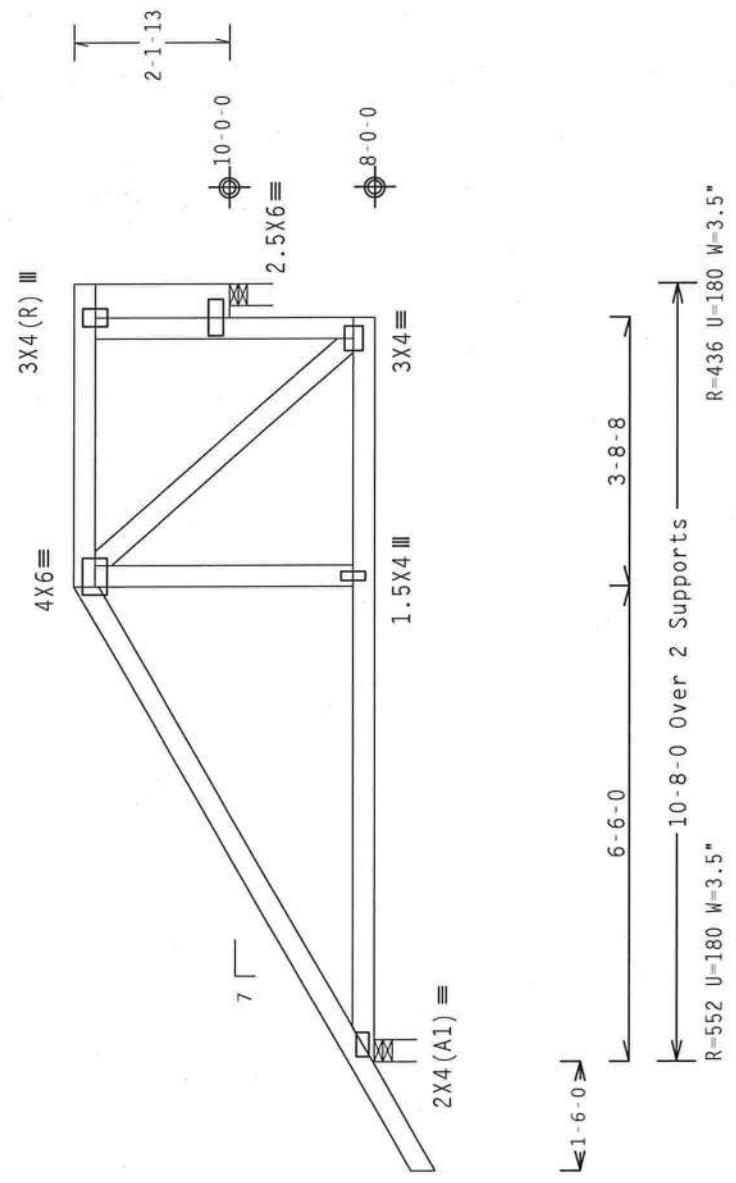
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x6 SP #2:

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

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

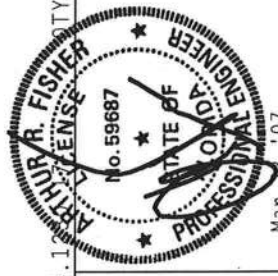
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave	Scale = .375"/Ft.
TY: 1	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"
REF	R8228- 52242
DATE	03/23/07
DRW	HCUSR8228 07082091
HC-ENG	EC/AF
SEQN-	159112
FROM	JFB
JREF-	1T5W8228Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22334) 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 COMPLIANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWING. NO. 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.

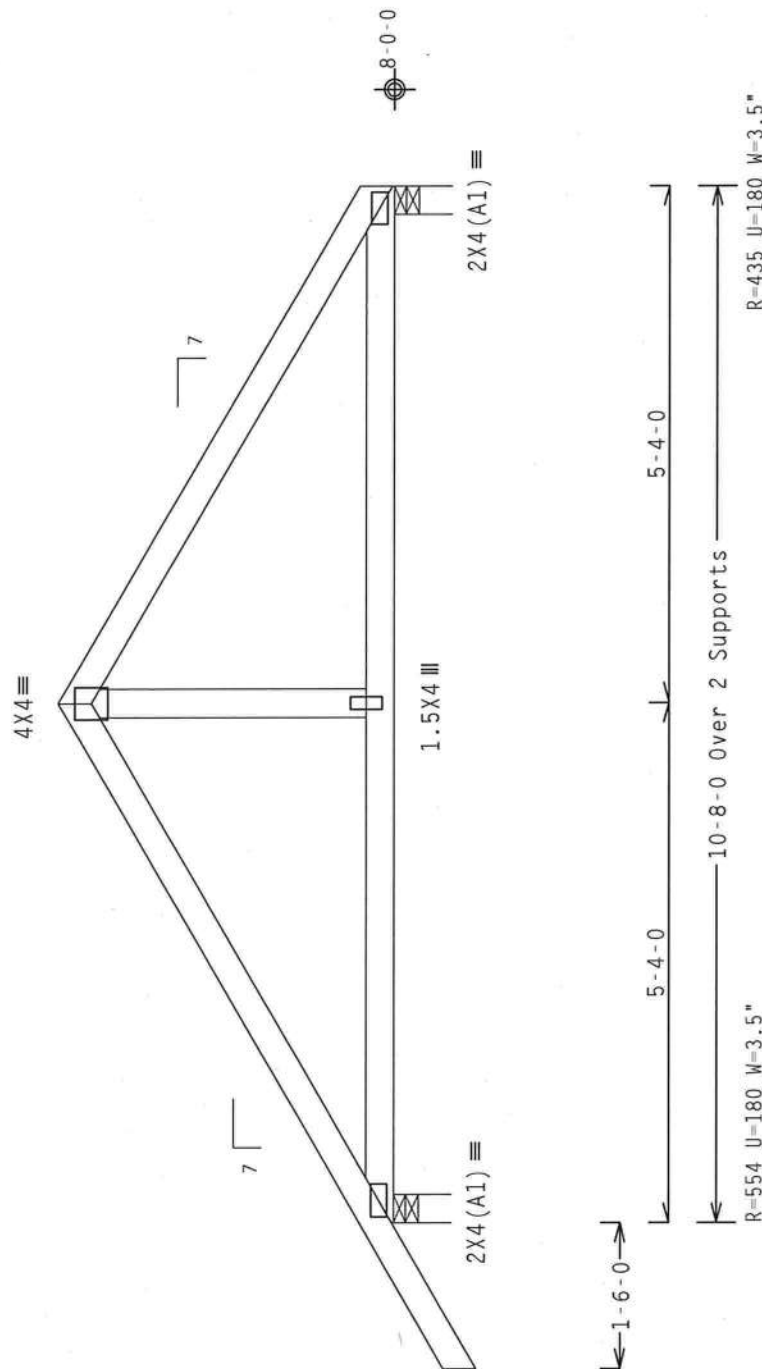
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	Webs	2x4	SP	#3	

wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

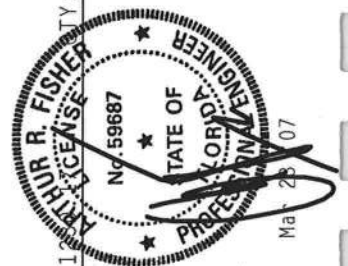
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

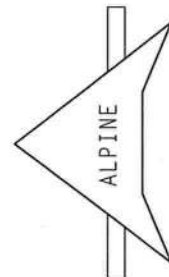
PLT TYP. Wave

Scale = .5"/Ft.

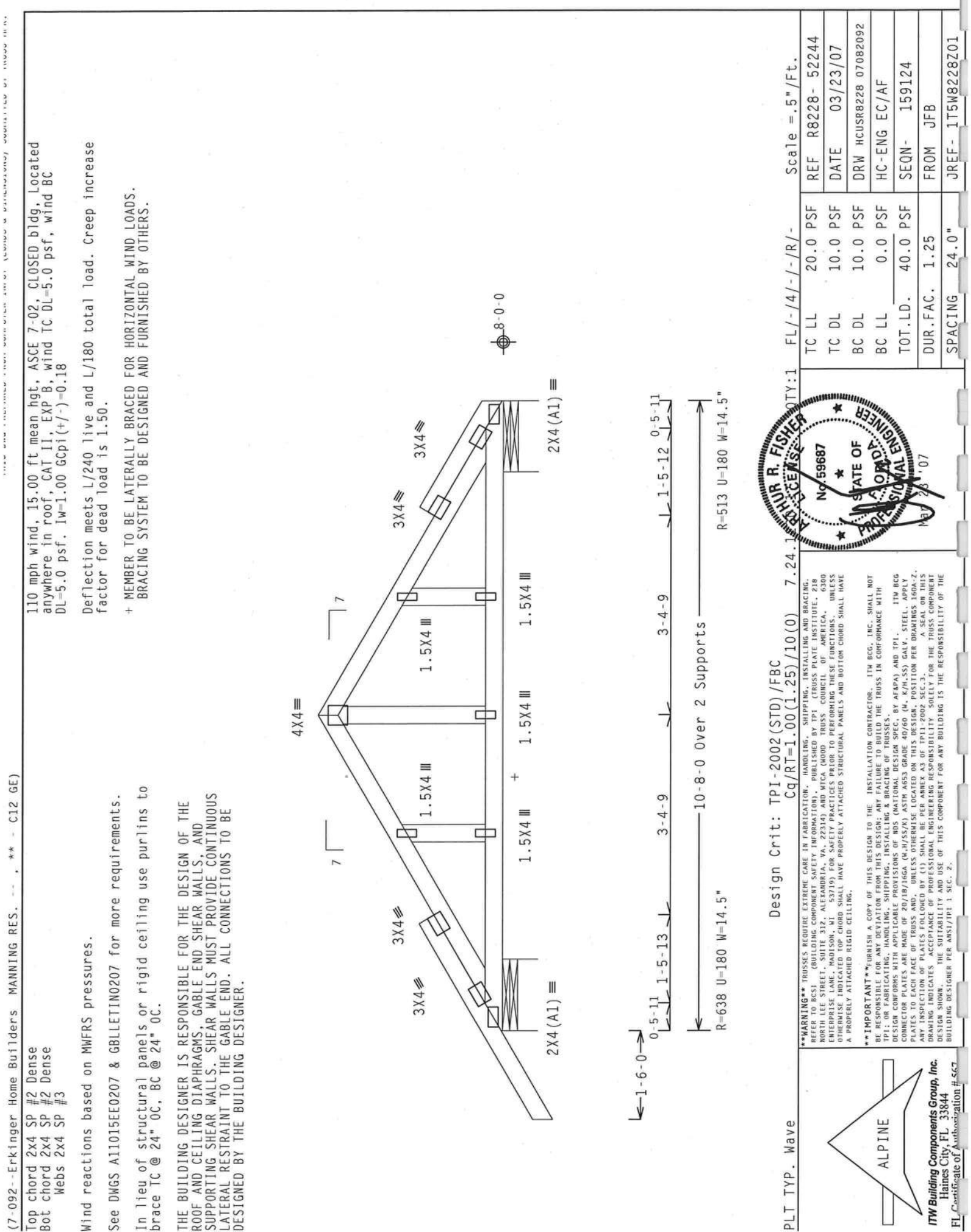
TC LL	20.0	PSF	REF	R8228-	52243
TC DL	10.0	PSF	DATE	03/23/07	
BC DL	10.0	PSF	DRW	HCUSR8228	07082062
BC LL	0.0	PSF	HC-ENG	EC/AF	*
TOT.LD.	40.0	PSF	SEQN-	159119	
DUR.FAC.	1.25		FROM	JFB	
SPACING	24.0"		JREF-	1T5W8228	Z01



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH, 101 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND NCA (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 CEILING.

[illegible]

ITW Building Components Group, Inc.
 Haines City, FL 33844
 FL Certificate of Authorization # 557



(7-092--Erkinger Home Builders MANNING RES. --, ** - C12 GE)

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

Wind reactions based on MWFRS pressures.
See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

+ MEMBER TO BE Laterally BRACED FOR HORIZONTAL WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7-24.1

Scale = .5" / Ft.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7-24.1

Scale = .5" / Ft.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7-24.1

Scale = .5" / Ft.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7-24.1

Scale = .5" / Ft.

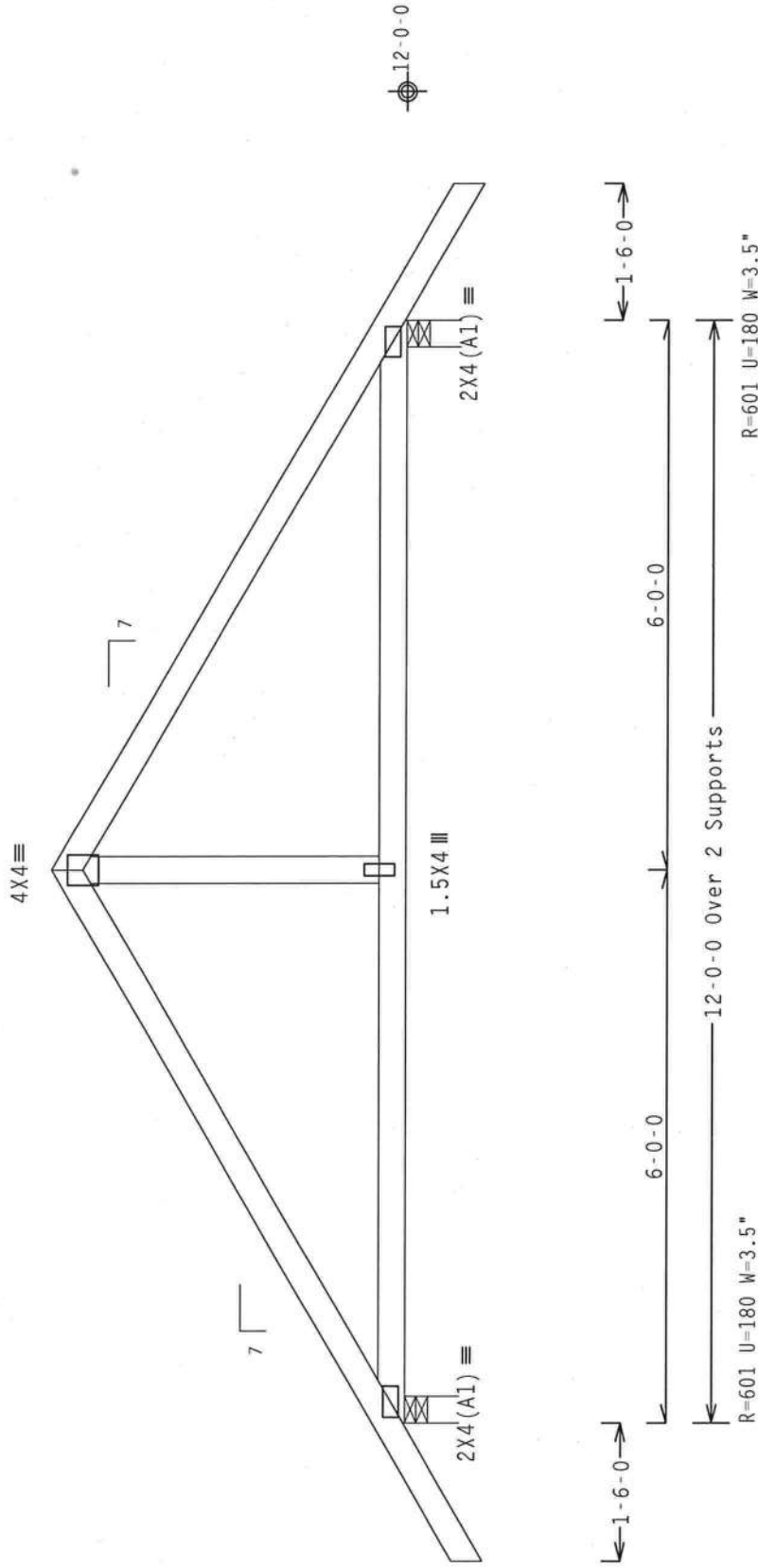
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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



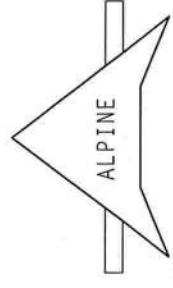
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

PLT TYP. Wave

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W-H/SS/K) ASTM A653 GRADE 40/60 (M. K/H-S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. PLATES SHALL BE PER ANS/1302 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/1302 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R8228- 52245
TC DL	10.0 PSF	DATE	03/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07082063
BC LL	0.0 PSF	HC-ENG	EC/AF *
TOT.LD.	40.0 PSF	SEQN	21387
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	1T5W8228Z01

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

1110 mph wind, 15.00 ft mean hot, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

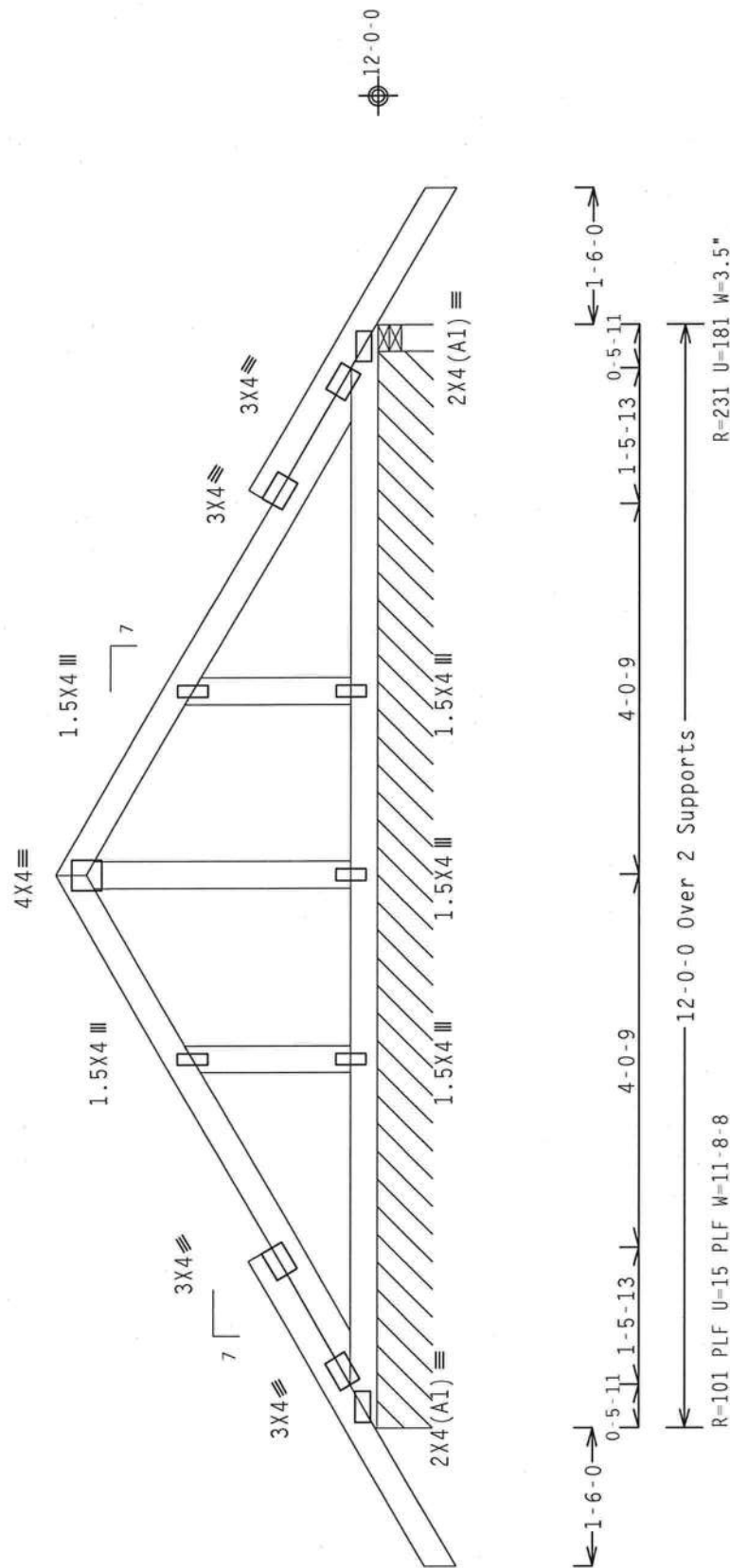
Wind reactions based on MwFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See DWGS A11015EEE0207 & GBLLETIN0207 for more requirements.

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

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.



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

PLT TYP. Wave

Scale = .5"/Ft.

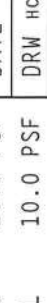


ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
Permit Certificate of Authorization #567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BGCS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PAPER INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 and WCA (WOOD TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LANE, FORTSMON, NE 68375) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED ON CHD, CHD 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 DESIGNING ENGINEERING, MANUFACTURING, SHIPPING, HANDLING, INSTALLING OR BRACING OF TRUSSES, OR DESIGN CONFLICTS WITH ANY OTHERS, PROVIDES FOR THE PROVISIONS OF THE TPI (TRUSS PAPER INSTITUTE) DESIGNER CONNECTOR PLATES ARE MADE OF 20/18/12/66/64/55/54/51/50M 4653 GRADE 40/60 (64 K/IN/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.



TC LL	20.0	PSF	REF	R8228- 52246
TC DL	10.0	PSF	DATE	03/23/07
BC DL	10.0	PSF	DRW	HCUSR8228 07082093
BC LL	0.0	PSF	HC-ENG	EC/AF
TOT.LD.	40.0	PSF	SEQN-	21391
DUR.FAC.	1.25		FROM	JFB
SPACING	24.0"		JREF-	1T5W8228Z01

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

SPECIAL LOADS

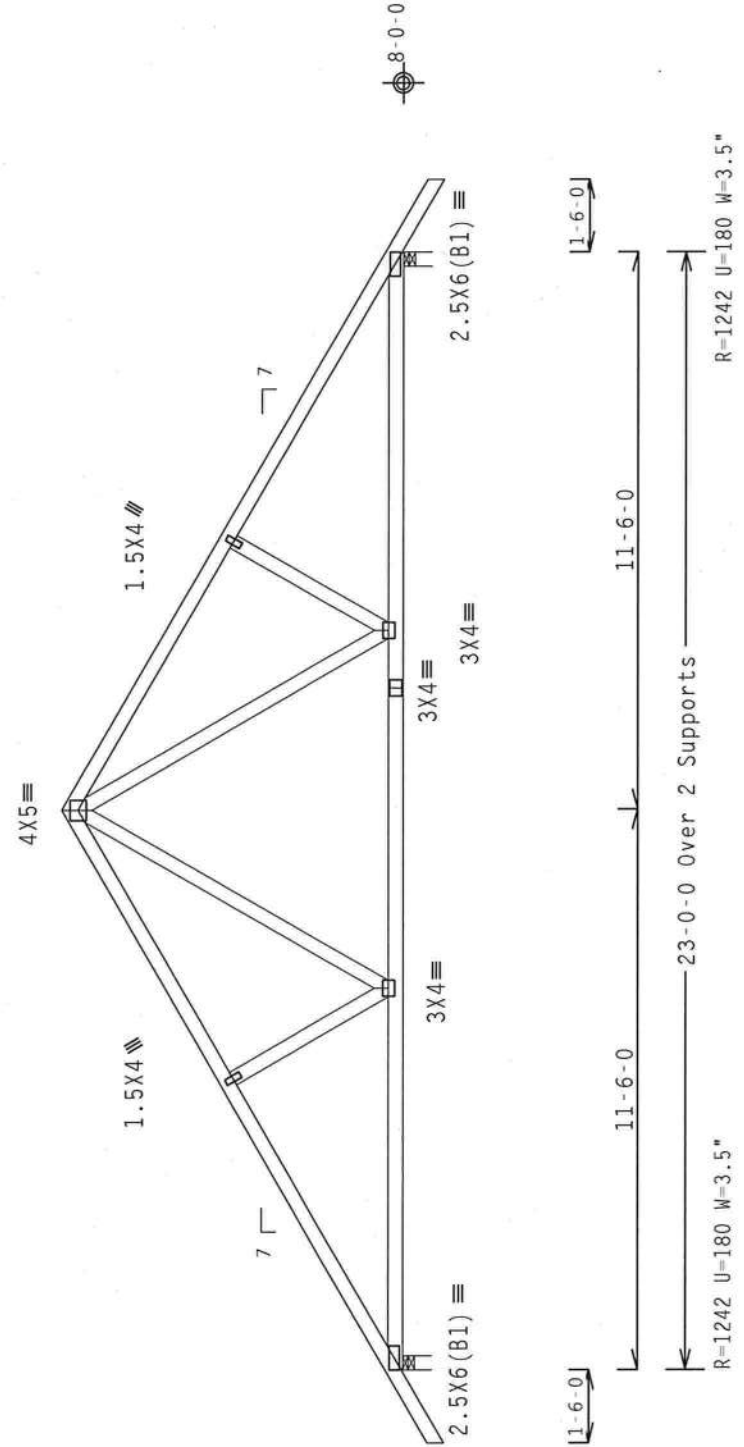
-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 11.50 to 63 PLF at 11.50
TC - From 63 PLF at 11.50 to 63 PLF at 24.50
BC - From 5 PLF at 1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.82
BC - From 70 PLF at 7.82 to 70 PLF at 15.18
BC - From 20 PLF at 15.18 to 20 PLF at 23.00
BC - From 5 PLF at 23.00 to 5 PLF at 24.50

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



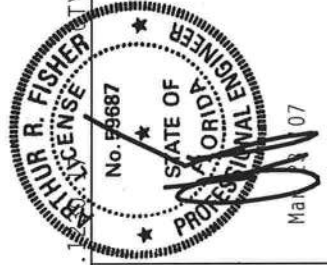
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24

PLT TYP. Wave

FL/-4/-/-R/-

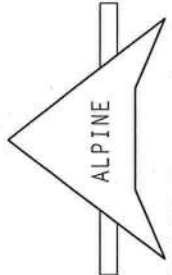
Scale = .25"/Ft.



****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 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 TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2017/16GA (40/16/55) ASP 6053 GRADE 40/60 (40, 47/16/55) GALV. STEEL. APPLY PROTECTIVE COATING TO ALL EXPOSED STEEL SURFACES. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TPI-2002 SEC. 1.1.1. OR 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.

TC LL	20.0 PSF	REF	R8228- 52247
TC DL	10.0 PSF	DATE	03/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07082094
BC LL	0.0 PSF	HC-ENG	EC/AF
TOT.LD.	40.0 PSF	SEQN-	21321
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T5W8228Z01



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 502

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

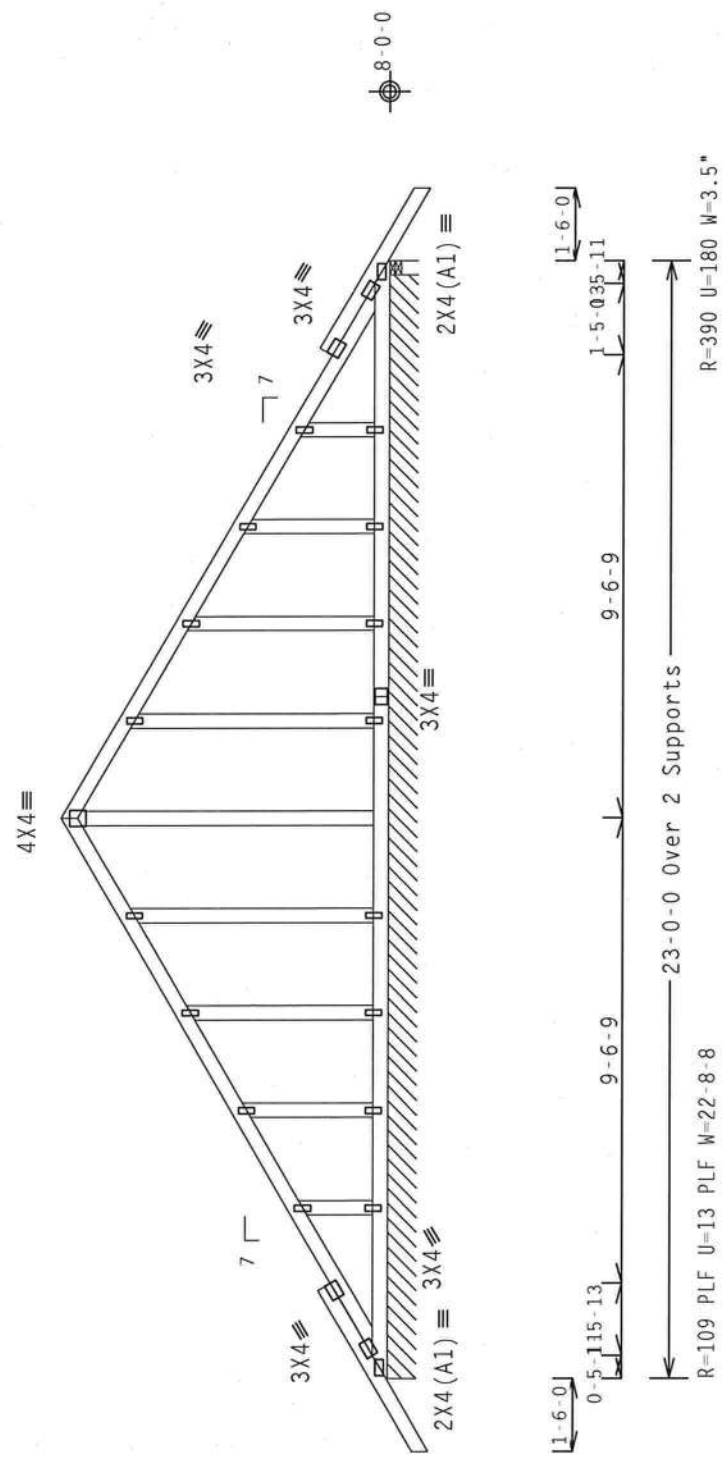
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, ClOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See DWGS A11015EE0207 & GBLETTIN0207 for more requirements.
 Success for dead load is 1.50.

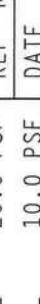
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave 7.24. Cq/RT=1.00(1.25)/10(0) FL/-4/-/-R/- Scale = .25"/ft.
Design Crit: IPI-2002(SID)/FBC
SHERIDAN COUNTY, WY



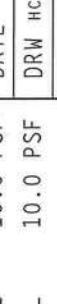
ITW Building Components Group, Inc.
 Gaines City, FL 33844
 FL Certificate of Authorization #567

REF	R8228- 52249	TC LL	20.0 PSF	
DATE	03/23/07	TC DL	10.0 PSF	
DRW	HCUSR8228 07082096	BC DL	10.0 PSF	
HC-ENG	EC/AF	BC LL	0.0 PSF	
SEQN-	159140	TOT.LD.	40.0 PSF	
FROM	JFB	DUR.FAC.	1.25	
JREF-	1T5WB8228Z01	SPACING	24.0"	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BGCS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE), 238 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NITCA (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 TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/17/6GA (N-H/SS/ST) ASTM A653 GRADE 40/60 (N- K/H-SS) 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 TP1-2002 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/TP1 1 SEC. 2.



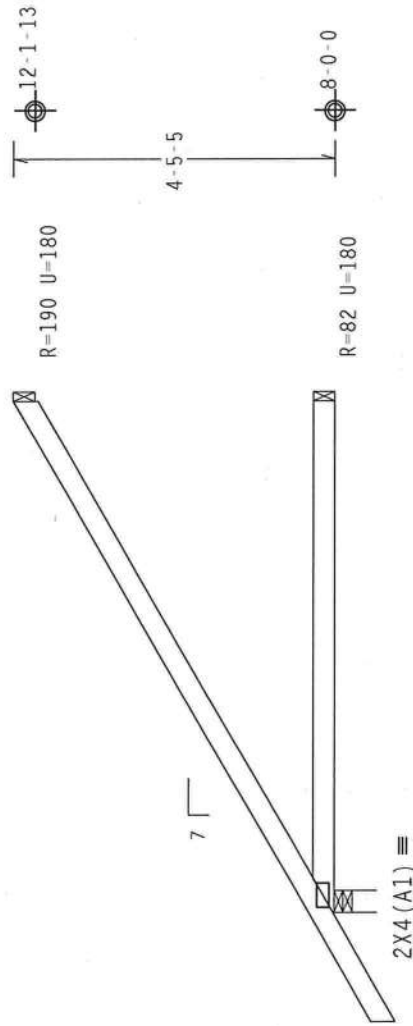
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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



1'-6-0

6'-6-7
7'-0-0 Over 3 Supports
R=412 U=180 W=3.5"

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7-24-1

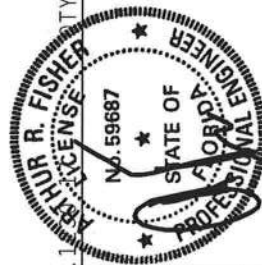
PLT TYP. Wave

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

Scale = .375" / Ft.

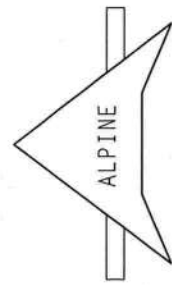
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/16GA (20/16SS/K) ASTM A653 GRADE 40/60 (40 K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TOP CHORD AND BOTTOM CHORD UNLESS OTHERWISE NOTED. POSITION PER DRAWINGS T00A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS OR TRUSSES 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.

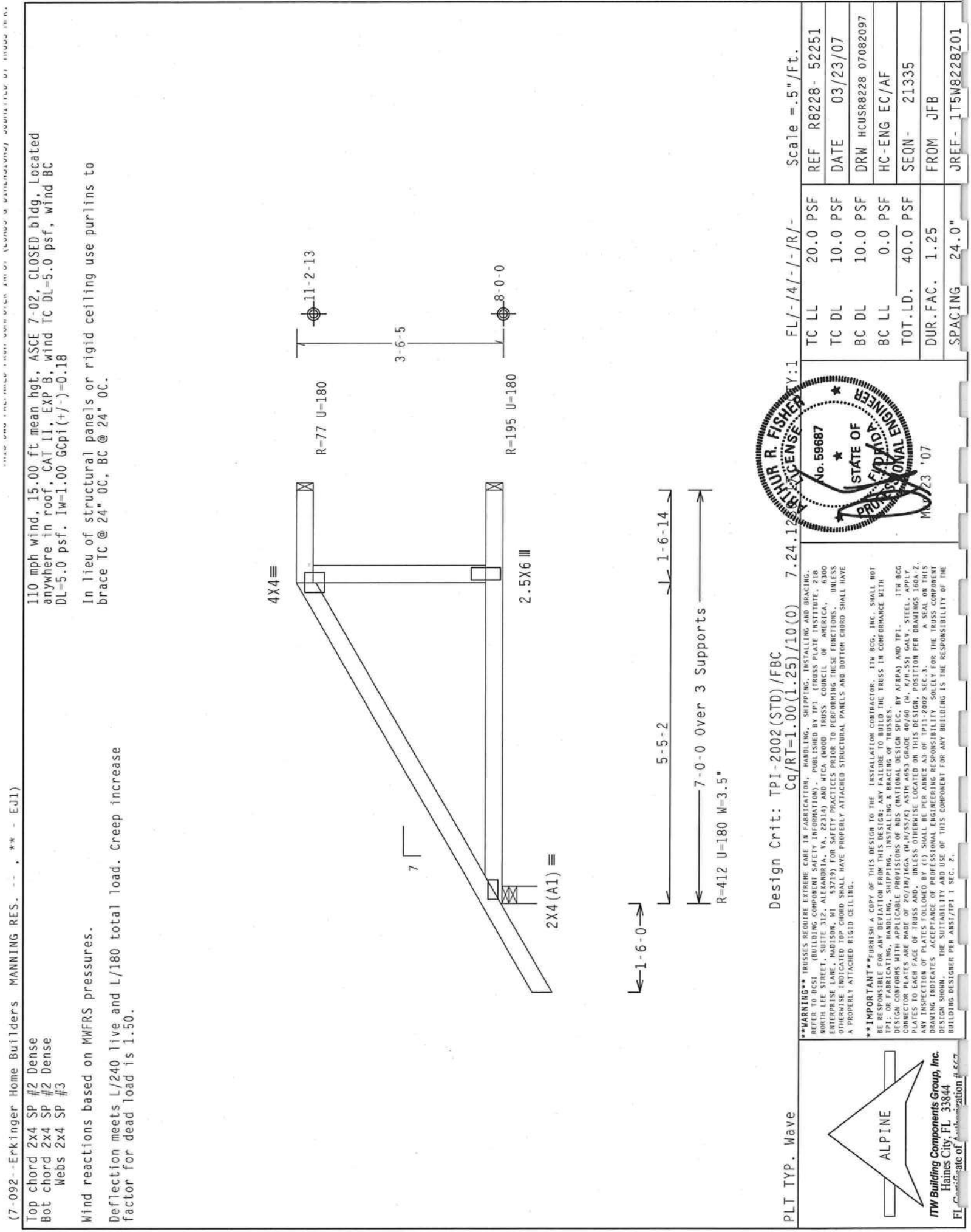


TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R8228- 52250
DATE	03/23/07
DRW	HCUSR8228 07082064
HC-ENG	EC/AF
SEQN-	21328
FROM	JFB
JREF-	1T5W8228Z01

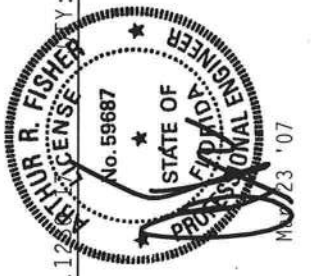


ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



(7-092--Erkinger Home Builders MANNING RES. --, ** - EJ1)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpl(+/-)=0.18
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave		Design Crit: TPI-2002(STD)/FBC		Cq/RT=1.00(1.25)/10(0)		7.24.12		FL/-4/-/-R/-		Scale = .5"/Ft.	
TC LL		20.0 PSF		REF		R8228- 52251		DATE		03/23/07	
TC DL		10.0 PSF		DRW		HCUSR8228 07082097		HC-ENG EC/AF		SEQN - 21335	
BC DL		10.0 PSF		DUR.FAC.		1.25		FROM		JFB	
BC LL		0.0 PSF		SPACING		24.0"		JREF - 1T5W8228Z01			
TOT.LD.		40.0 PSF									

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

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

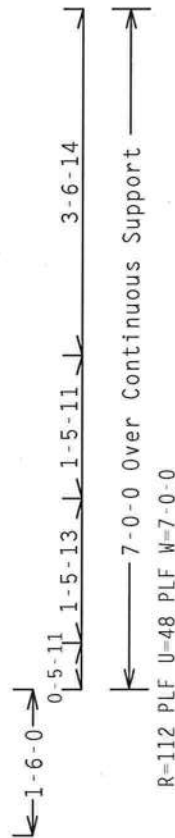
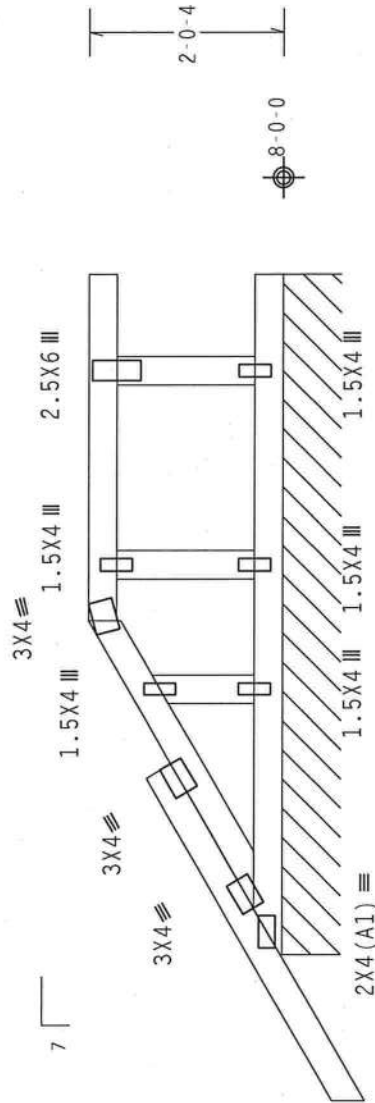
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Right end vertical not exposed to wind pressure.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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



Design Crit: TPI-2002(STD)/FBC

Scale = .5"/Ft.

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

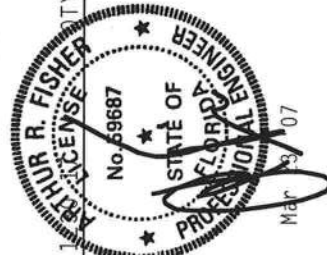
TY:1

7.24.1

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

PLT TYP. Wave

TC LL	20.0 PSF	REF R8228- 52252
TC DL	10.0 PSF	DATE 03/23/07
BC DL	10.0 PSF	DRW HCUSR8228 07082065
BC LL	0.0 PSF	HC-ENG EC/AF *
TOT.LD.	40.0 PSF	SEON- 21339
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T5W8228Z01



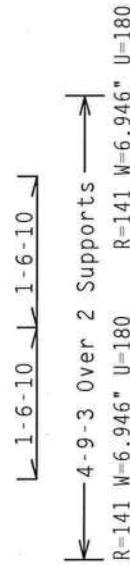
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



100% CENSURE

TC LL	20.0	PSF	REF	R8228 -	52253
TC DL	10.0	PSF	DATE	03/23/07	
BC DL	2.0	PSF	DRW	HCUSR8228	07082098
BC LL	0.0	PSF	HC-ENG	EC/AF	
TOT.LD.	32.0	PSF	SEQN-	159131	
DUR.FAC.	1.25		FROM	JFB	
SPACING	24.0"		JREF-	1T5W8228Z01	

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 517
 Gaines City, FL 32644

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:

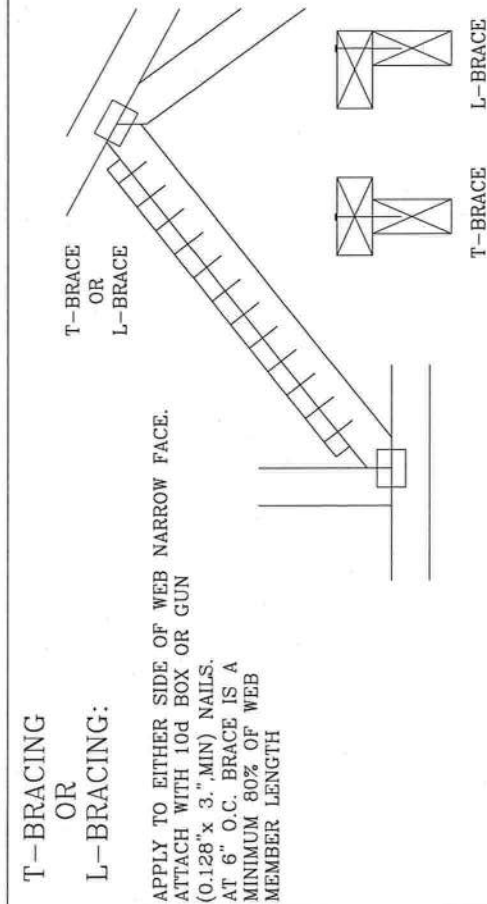
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING 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(*)

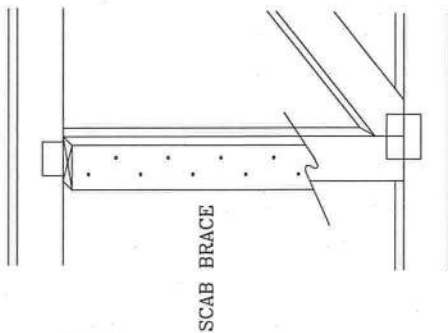
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579.640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLESUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE COMPANY, 312 N. W. 32nd Ave., Ft. Lauderdale, FL 33309, AND TO THE TPI TRUSS COUNCIL OF AMERICA, 6801 INTERPULSE AVE., WILMINGTON, DE 19804, FOR SAFETY INFORMATION. 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE TRUSSES IN THIS DESIGN, WHEN USED WITH THE ITV BCG CONNECTOR PLATES, SHALL BE CONSIDERED TO BE A PERMANENT PART OF THE TRUSS. ITV BCG CONNECTOR PLATES ARE MADE OF 2018/166A (24/25/26) ASTM A653 GRADE 40/60 (24/25/26) 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 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.



ITV BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

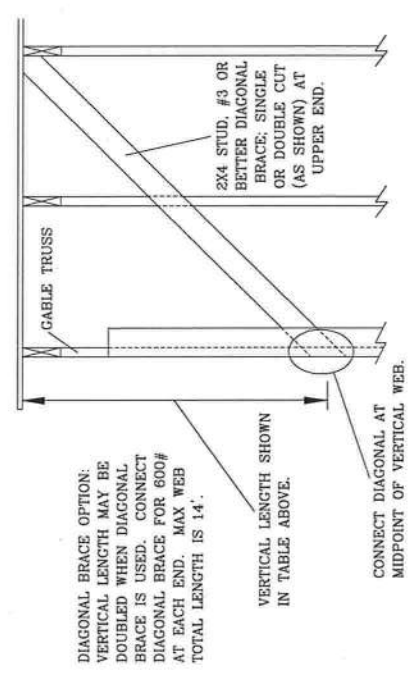
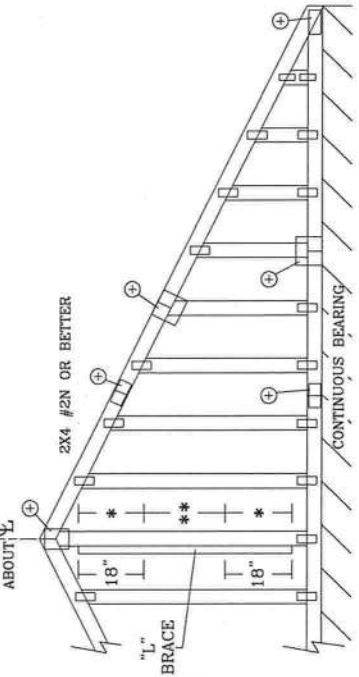
MAX GABLE VERTICAL LENGTH																		
2X4 GABLE VERTICAL SPACING	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *				(2) 2X4 "L" BRACE **				(1) 2X6 "L" BRACE *				(2) 2X6 "L" BRACE *			
			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B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

GABLE TRUSS DETAIL NOTES:

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

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

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



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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 STR., SUITE 312, ALEXANDRIA, VA 22314, AND WTCA GOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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REF ASC7-02-GAB11015

DATE 2/23/07

DRWG A11015DE0207

-ENG

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

ARTHUR R. FISHER

No. 59687

STATE OF FLORIDA

PROFESSIONAL ENGINEER

May 23

BEARING BLOCK NAIL SPACING DETAIL

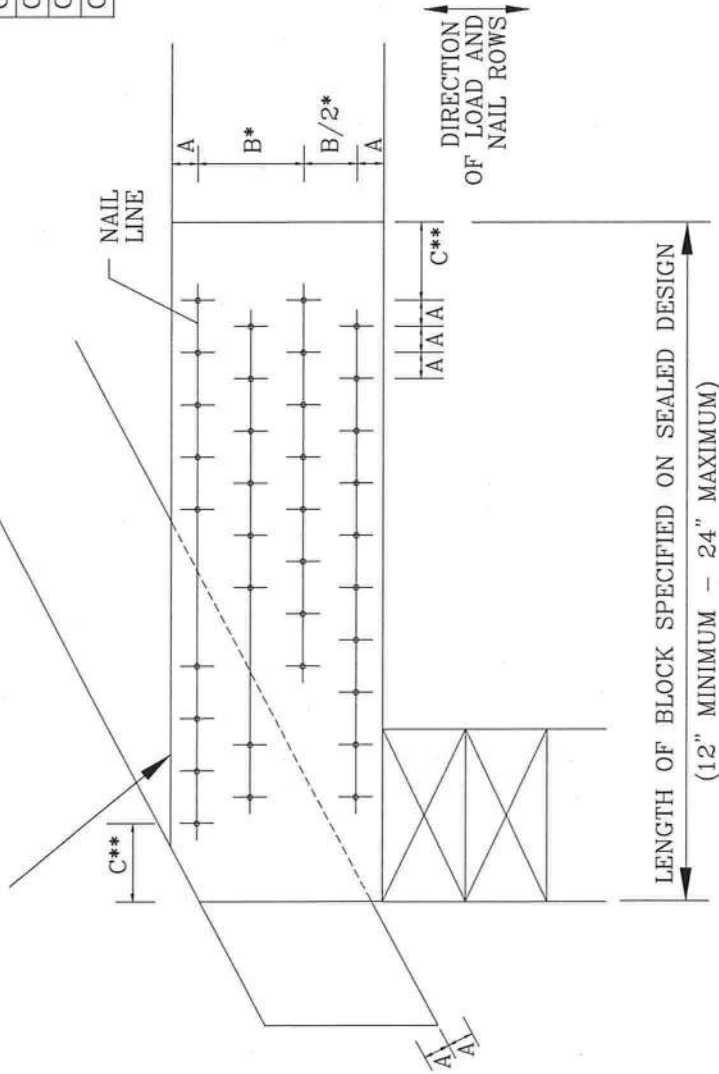
MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

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

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

- SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%

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



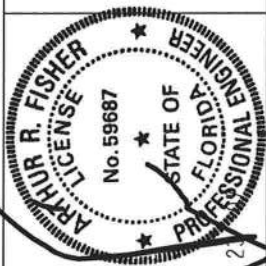
MINIMUM NAIL SPACING DISTANCES

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

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

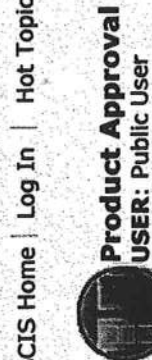
THIS DRAWING REPLACES DRAWING B139 AND CNBRGLK0699



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 STR., 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 ACTIVITIES. ALL TRUSSES SHALL BE MANUFACTURED IN ACCORDANCE WITH THE ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALL CONNECTIONS AND PLATES ARE MADE OF 2019/766A (A/AS/SS/SS) ASTM A653 GRADE 40/60 (A/AS/SS) GALV. BCG CONNECTIONS ARE TO BE MADE IN ACCORDANCE WITH THE ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. THE PER DESIGN POSITION PER DRAWINGS 60A-2. ANY INSPECTION OF PLATES FOLLOWED BY A SEALING PER ANSI A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA



Product Approval
USER: Public User

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- ▶ EMERGENCY MANAGEMENT
- ▶ OFFICE OF THE SECRETARY

FL # FL1956-R1
Application Type Revision
Code Version 2004
Application Status Approved
Comments ☐
Archived

Product Manufacturer
Address/Phone/Email

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PO Box 1404
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Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Roofing
Asphalt Shingles

Compliance Method

Certification Mark or Listing

Certification Agency

Underwriters Laboratories Inc.

Referenced Standard and Year (of
Standard)

Standard
ASTM D 3462

Year
2001

Equivalence of Product Standards
Certified By

Product Approval Method

Method 1 Option A

Date Submitted

06/09/2005

Date Validated

06/20/2005

Date Pending FBC Approval

06/25/2005

Date Approved

06/29/2005

Summary of Products

FL #	Model, Number or Name	Description
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slopes of 2:12 or greater. Not approved for use in HVHZ.

[Back](#)

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DCA Administration

**Department of Community Affairs
Florida Building Code Online**

Codes and Standards

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Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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Product Approval Accepts:





**Underwriters
Laboratories Inc.**

Northbrook Division
333 Pfingsten Road
Northbrook, IL 60062-2006 USA
www.ul.com
tel: 1-847-277-6600

June 17, 2005

Tamko Roofing Products
Ms. Kerri Eden
P.O. Box 1404
220 W. 4th Street
Joplin, MO 64802-1404

Our Reference: R2919

This is to confirm that "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage 50 AR", "Glass-Seal AR" manufactured at Tuscaloosa, AL and "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage XL AR", "Heritage 50 AR" manufactured at Frederick, MD and "Heritage 30 AR", "Heritage XL AR", and "Heritage 50 AR" manufactured in Dallas, TX are UL Listed asphalt glass mat shingles and have been evaluated in accordance with ANSI/UL 790, Class A (ASTM E108), ASTM D3462, ASTM D3161 or UL 997 modified to 110 mph when secured with four nails.

Let me know if you have any further questions.

Very truly yours,

Ajayesh Patel (Ext. 42522)
Engineer Project
Fire Protection Division

Reviewed by,

Randall K. Laymon (Ext. 42687)
Engineer Sr Staff
Fire Protection Division



Application Instructions for HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

TAMKO does not recommend re-roofing over existing roof.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents. FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

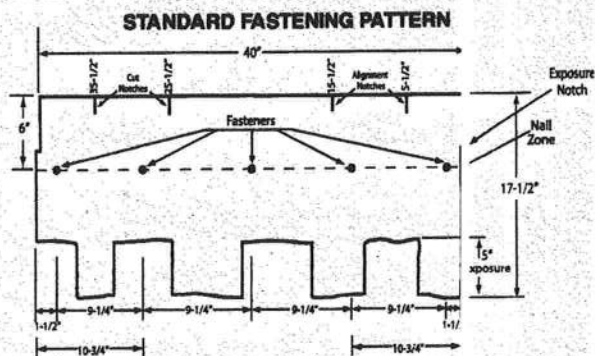
3. FASTENERS

WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, this will result in the termination of TAMKO's liabilities under the limited warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable miles per hour as stated in the limited warranty. See limited warranty for details.

FASTENING PATTERNS: Fasteners must be placed 6 in. from the top edge of the shingle located horizontally as follows

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1-1/2 in. back from each end, one 10-3/4 in. back from each end and one 20 in. from one end of the shingle for a total of 5 fasteners. (See standard fastening pattern illustrated below).



2) Mansard or Steep Slope Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) Use standard nailing instructions with four additional nails placed 6 in. from the butt edge of the shingle making certain nails are covered by the next (successive) course of shingles.

(Continued)

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220 West 4th St., Joplin, MO 64801
4500 Tamko Dr., Frederick, MD 21701
2300 35th St., Tuscaloosa, AL 35401
7910 S. Central Exp., Dallas, TX 75216
5300 East 43rd Ave., Denver, CO 80216

800-641-4691
800-368-2055
800-228-2656
800-443-1834
800-530-8868

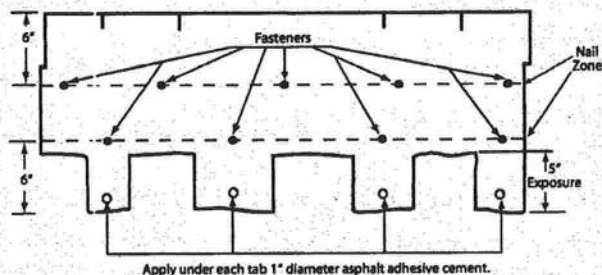


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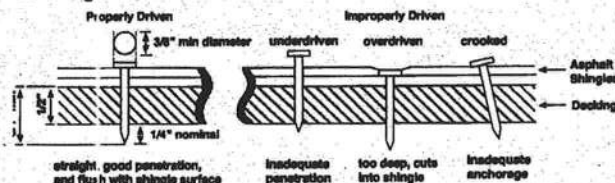
HERITAGE® VINTAGE™ AR – Phillipsburg KS LAMINATED ASPHALT SHINGLES

Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$.25 piece and applied to shingles with a 5 in. exposure, use 9 fasteners per shingle.

MANSARD FASTENING PATTERN



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12 gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in. into the roof deck. Where the deck is less than 3/4 in. thick, the nails should be long enough to penetrate completely through plywood decking and extend at least 1/8 in. through the roof deck. Drive nail head flush with the shingle surface.



4. UNDERLAYMENT

UNDERLAYMENT: An underlayment consisting of asphalt saturated felt must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles and leaks which are not covered by TAMKO's limited warranty. Apply the felt when the deck is dry. On roof decks 4 in. per foot and greater apply the felt parallel to the eaves lapping each course of the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the underlayment felt may be adversely affected by moisture and weathering. Laying of the underlayment and the shingle application must be done together.

Products which are acceptable for use as underlayment are:

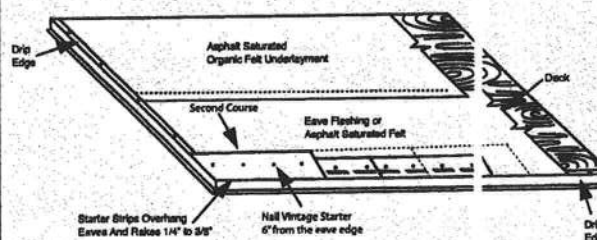
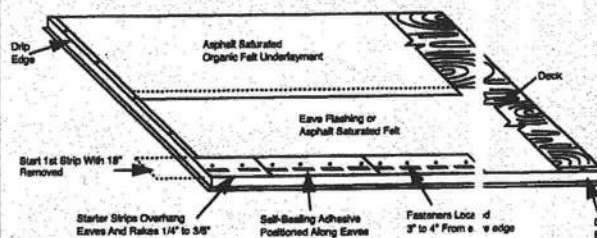
- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation maybe required. Contact TAMKO's technical services department for more information)

In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus® waterproofing underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information. TAMKO does not recommend the use of any substitute products as shingle underlayment.

5. APPLICATION INSTRUCTIONS

STARTER COURSE: Two starter course layers must be applied prior to application of Heritage Vintage AR Shingles.

The first starter course may consist of TAMKO Shingle Starter, three tab self-sealing type shingles or a 9 inch wide strip of mineral surface roll roofing. If three tab self-sealing shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. If using three tab self-sealing shingles or shingle starter, remove 18 in. from first shingle to offset the end joints of the Vintage Starter. Attach the first starter course with approved fasteners along a line parallel to and 3 in. to 4 in. above the eave edge. The starter course should overhang both the eave and rake edge 1/4 in. to 3/8 in. Over the first starter course, install Heritage Vintage Starter AR and begin at the left rake edge with a full size shingle and continue across the roof nailing the Heritage Vintage Starter AR along a line parallel to and 6 in. from the eave edge.



Note: Do not allow Vintage Starter AR joints to be visible between shingle tabs. Cutting of the starter may be required.

HERITAGE VINTAGE STARTER AR
12 1/2" x 36" 20 PIECES PER BUNDLE
60 LINEAL FT. PER BUNDLE

(Continued)

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2300 35th St., Tuscaloosa, AL 35401
7910 S. Central Exp., Dallas, TX 75216
5300 East 43rd Ave., Denver, CO 80216

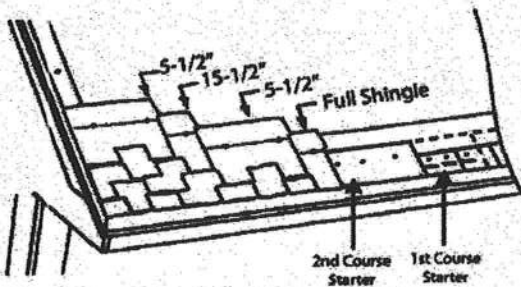
800-641-4691
800-368-2055
800-228-2656
800-443-1834
800-530-8868



(CONTINUED from Pg. 2)

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

SHINGLE APPLICATION: Start the first course at the left rake edge with a full size shingle and overhang the rake edge 1/4 in. to 3/8 in.. To begin the second course, align the right side of the shingle with the 5-1/2 in. alignment notch on the first course shingle making sure to align the exposure notch. (See shingle illustration on next page) Cut the appropriate amount from the rake edge so the overhang is 1/4" to 3/8". For the third course, align the shingle with the 15-1/2 in. alignment notch at the top of the second course shingle, again being sure to align the exposure notch. Cut the appropriate amount from the rake edge. To begin the fourth course, align the shingle with the 5-1/2 in. alignment notch from the third course shingle while aligning the exposure notch. Cut the appropriate amount from the rake edge. Continue up the rake in as many rows as necessary using the same formula as outlined above. Cut pieces may be used to complete courses at the right side. As you work across the roof, install full size shingles taking care to align the exposure notches. Shingle joints should be no closer than 4 in.



6. LOW SLOPE APPLICATION

On pitches 2 in. per foot to 4 in. per foot cover the deck with two layers of underlayment. Begin by applying the underlayment in a 19 in. wide strip along the eaves and overhanging the drip edge by 1/4 to 3/4 in. Place a full 36 in. wide sheet over the 19 in. wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 19 in. If winter temperatures average 25°F or less, thoroughly cement the laps of the entire underlayment to each other with plastic cement from eaves and rakes to a point of a least 24 in. inside the interior wall line of the building. As an alternative, TAMKO's Moisture Guard Plus self-adhering waterproofing underlayment may be used in lieu of the cemented felts.

7. VALLEY APPLICATION

TAMKO recommends an open valley construction with Heritage Vintage AR shingles.

To begin, center a sheet of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment in the valley.

After the underlayment has been secured, install the recommended corrosion resistant metal (26 gauge galvanized metal or an equivalent) in the valley. Secure the valley metal to the roof deck. Overlaps should be 12" and cemented.

Following valley metal application; a 9" to 12" wide strip of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment should be applied along the edges of the metal valley flashing (max. 6" onto metal valley flashing) and on top of the valley underlayment. The valley will be completed with shingle application.

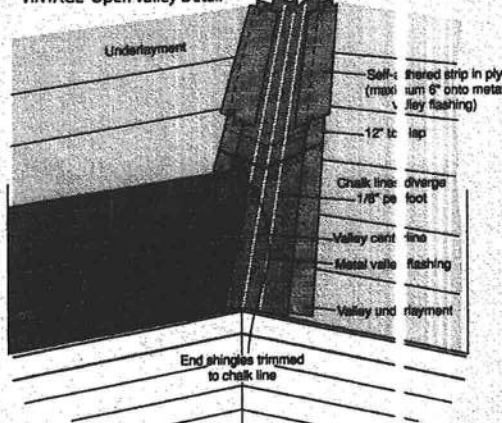
SHINGLE APPLICATION INSTRUCTIONS (OPEN VALLEY)

- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines should be 7" either side of the centerline at the eaves and for a 16' valley 8".

As shingles are applied toward the valley, trim the last shingle in each course to fit on the chalk line. Never use a shingle trimmed to less than 12" in length to finish a course running into a valley. If necessary, trim the adjacent shingle in the course to allow a long portion to be used.

- Clip 1" from the upper corner of each shingle on a 45° angle to direct water into the valley and prevent it from penetrating between the courses.
- Form a tight seal by cementing the shingle to the valley lining with a 3" width of asphalt plastic cement (conforming to ASTM D 4586).

VINTAGE Open Valley Detail



• CAUTION:

Adhesive must be applied in smooth, thin, even layer.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.

(Continued)

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06



(CONTINUED from Pg. 3)

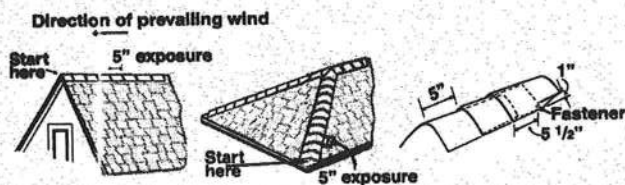
• **HERITAGE® VINTAGE™ AR** – Phillipsburg, KS **LAMINATED ASPHALT SHINGLES**

8. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener on each side, 5-1/2 in. back from the exposed end and 1 in. up from the edge. TAMKO recommends the use of TAMKO Heritage Vintage Hip & Ridge shingle products.

Fasteners should be 1/4 in. longer than the ones used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLE IN COLD WEATHER.

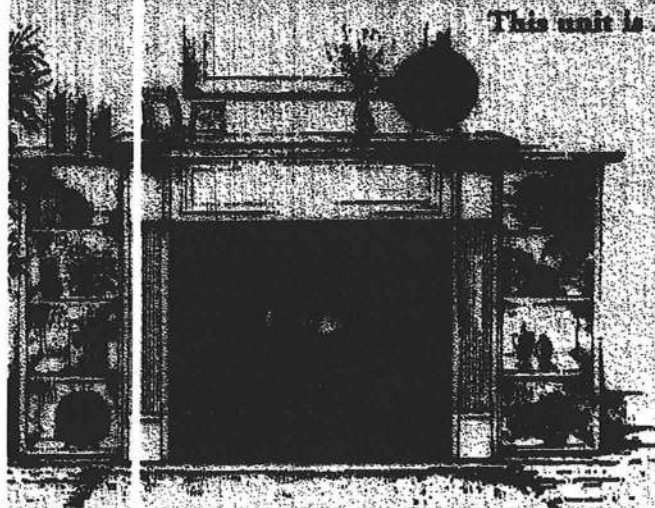


THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

TAMKO®, Moisture Guard Plus®, Nail Fast® and Heritage® are registered trademarks and Vintage™ is a trademark of TAMKO Building Products, Inc.

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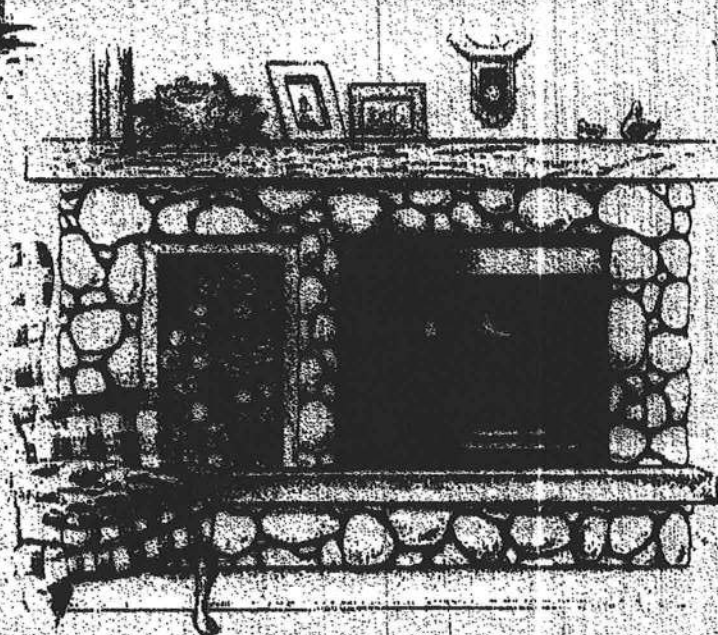
Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
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VENT-RTU
 This unit is A.G.A. certified as a heater with 99% heat efficiency
 No chimney or flue system required
 Wide selection of factory installed options offered

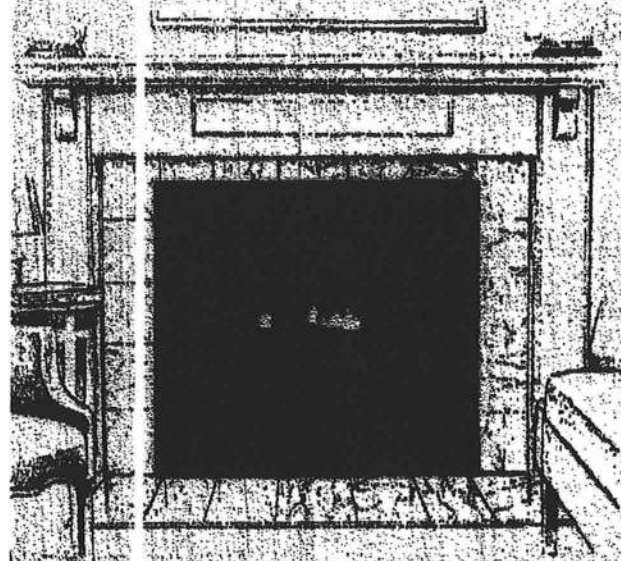
VF-4000

- 14,000 - 25,000 Btu/hr with manual control valve
- 19,500 - 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening



VF-6000

- 25,000 Btu/hr millivolt variable heat output
- 15" x 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers

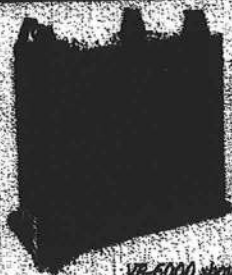


VF-6000

- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms

SUPERIOR

VF-4000/5000/6000



VF-6000 silhouette

Controls hidden in access compartment.



Optional MB-1100 Blower

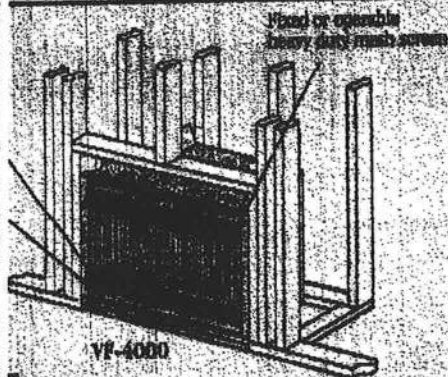
Optional brass heads, arches, glass and fire on all screen.

Controls hidden in access compartment.

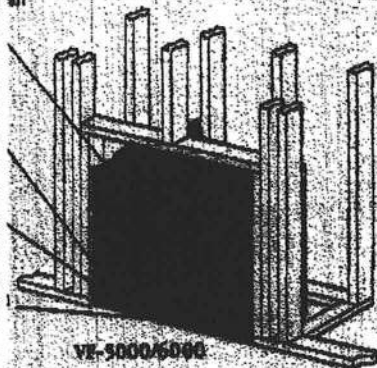


Optional MB-1100 Blower

Multiple controls and piece igniter operate during a power failure.



VF-4000



VF-5000/6000



Refractory tan brick panels



Gas Dux liner kit



Square brass trim kit



Brass Louver Kit (For VF-4 only)



Screen panel kit (For VF-5 & VF-6 only)



Arch kit (For VF-5 & VF-6 only)



Glass door kit (For VF-5 & VF-6 only)



Brass hood (For VF-5 & VF-6 only)

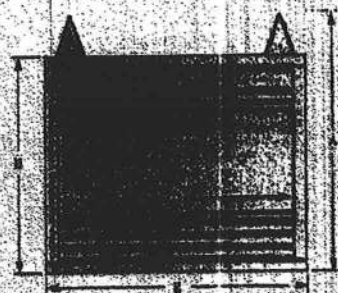


Wall switch or optional wireless remote available. (For VF-4/VF-5 & VF-6)

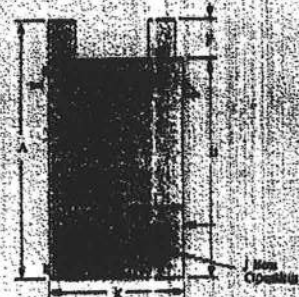


Wall thermostat (For VF-4/VF-5 & VF-6)

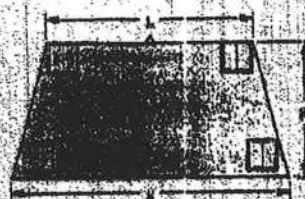
Front View



Left Side View



Top View



Vent-Free Product Dimensions

	VF-4000/5000C	VF-6000C
A	32-1/2"	36-5/8"
B	30"	34"
C	30"	30"
D	5-1/2"	5-1/2"
E	3-3/4"	3-3/4"
F	3"	3"
G	27"	28-1/2"

Btu Chart

Model	Neutral	Propane
VF-4000 neutral	14,000 - 25,000	14,000 - 25,000
VF-4000/5000 ultralite	19,500 - 25,000	19,500 - 25,000
VF-6000	25,000 - 32,000	25,000 - 32,000

Framing Dimensions

Model	Width	Height	Depth
VF-4000/5000	37"	37-3/4"	15-1/2"
VF-6000	41"	42-3/8"	19-1/2"

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z41.11.2 standard and approved by A.G.A. (Report # 12970017).

Consult your distributor for local fireplace code information.



SUPERIOR

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SURROUNDS

The Charleston Poplar Surround is hand crafted using a combination of solid Poplar and Poplar veneer. Using the unique wood type of Poplar allows for the option to paint or stain this elegantly detailed surround. The surround is constructed using easy to assemble cam bolts, and available in corner and wall units.



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Lennox Hearth Products Three-Vent Heater and gas appliances include a 20-year limited warranty.

May 01 2003 07:51 AM P2

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Product Approval
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FL # FL5108
Application Type New
Code Version 2004
Application Status Approved
Comments
Archived ☐

Product Manufacturer MI Windows and Doors
Address/Phone/Email 650 W Market St
 Gratz, PA 17030
 (717) 365-3300 ext 2101
surich@miwd.com

Authorized Signature Steven Ulrich
surich@miwd.com

Technical Representative surich@miwd.com

Quality Assurance Representative
[Address/Phone/Email](#)

Window



(Administrator / Operator / Administrator)



AAMA CERTIFICATION PROGRAM

AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030-0370

Attn: Bill Emley

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION		RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AIA A/NWDA 101/I.S. 2-97 H-RSS-36x62						
COMP/ NY AND PLANT LOCATION		CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
MI Window & Doors, Inc. (Oldemar, FL) MI Window & Doors, Inc. (Smyrna, TN)		MTL-8 MTL-9	185/3185 SH (Fin) (AL)(CQ)(OG) (ASTM)	<u>FRAME</u> 30' x 52'	<u>SASH</u> 2'10" x 27'	By Request

2. This Certification will expire May 14, 2008 and requires validation until then by continued listing in the current AAMA Certified Products Directory.

3. Product Tested and Reported by: Architectural Testing, Inc.

Report No.: 01-50360.02

Date of Report: June 14, 2004

NOTE: PLEASE REVIEW,
AND ADVISE ALL IMMEDIATELY
IF DATA, AS SHOWN, NEEDS
CORRECTION.

Date: August 1, 2005

cc: AAMA
JGS/cf
ACP-04 (Rev. 5/03)

Validated for Certification:

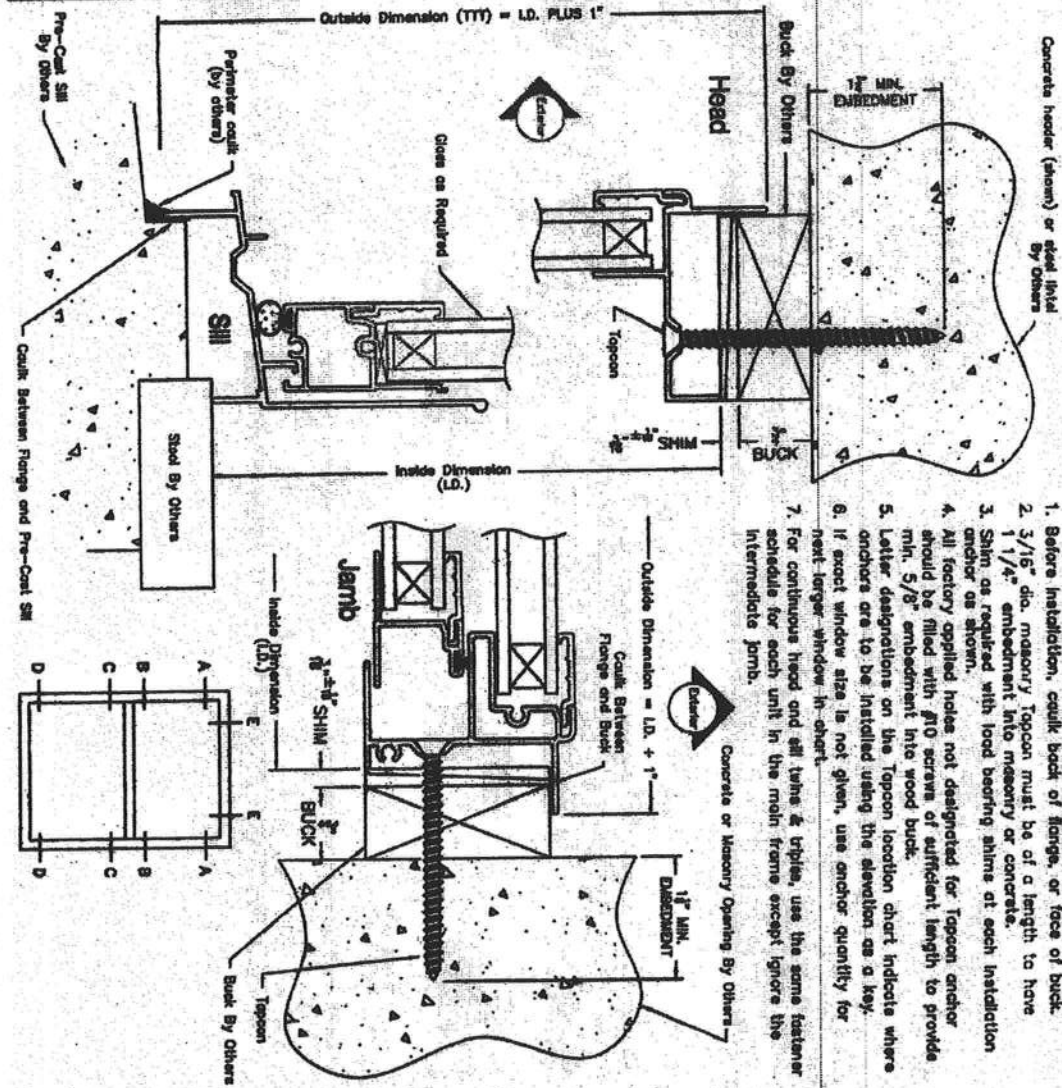
John B. Stil
Associated Laboratories, Inc.

Authorized for Certification:

Dean Lewis
American Architectural Manufacturers Association

ONE BY (3/4) BUCKS (SHOWN)

1. Before installation, caulk back of flange, or face of buck.
2. 3/16" dia. masonry Topcon must be of a length to have 1 1/4" embedment into masonry or concrete.
3. Shim as required with load bearing shims at each installation anchor as shown.
4. All factory drilled holes not designated for Topcon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood buck.
5. Letter designations on the Topcon location chart indicate where anchors are to be installed using the elevation as a key.
6. If exact window size is not given, use anchor quantity for next larger window in chart.
7. For continuous head and sill turns & triple, use the same fastener schedule for each unit in the main frame except ignore the intermediate joints.



TWO BY (1 1/2) BUCKS

TWO BY (1 1/2) bucks are engineered and fastened to the masonry opening BY OTHERS.

Follow the same instructions and fastener requirements for "one by" bucks except use #10 screws of sufficient length for 1 1/4" minimum embedment into buck.

* TAPCON LOCATION CHART

CODE SHEET	WINDOW ID	FASTENER LOCATIONS			
		UP TO OPS	OPS. 1 TO OPS. 6	OPS. 6.1 TO OPS. 13	OPS. 13.1 TO OPS. 17
12	18 1/8 x 25 3/8	A	A	A	A
13	18 1/8 x 37 3/8	A	A	A	A
14	18 1/8 x 49 5/8	A	A	A	A
15	18 1/8 x 62	A	A	A	A
16	18 1/8 x 71	A	A	A	A
17	18 1/8 x 83	A	A	A	A
18	20 1/2 x 25 3/8	A	A	A	A
19	20 1/2 x 37 3/8	A	A	A	A
20	20 1/2 x 49 5/8	A	A	A	A
21	20 1/2 x 62	A	A	A	A
22	20 1/2 x 71	A	A	A	A
23	20 1/2 x 83	A	A	A	A
24	36 x 25 3/8	A	A	A	A
25	36 x 37 3/8	A	A	A	A
26	36 x 49 5/8	A	A	A	A
27	36 x 62	A	A	A	A
28	36 x 71	A	A	A	A
29	36 x 83	A	A	A	A
30	52 1/8 x 25 3/8	A	A	A	A
31	52 1/8 x 37 3/8	A	A	A	A
32	52 1/8 x 49 5/8	A	A	A	A
33	52 1/8 x 62	A	A	A	A
34	52 1/8 x 71	A	A	A	A
35	52 1/8 x 83	A	A	A	A
36	52 1/8 x 95	A	A	A	A
37	52 1/8 x 107	A	A	A	A
38	52 1/8 x 119	A	A	A	A
39	52 1/8 x 131	A	A	A	A
40	52 1/8 x 143	A	A	A	A
41	52 1/8 x 155	A	A	A	A
42	52 1/8 x 167	A	A	A	A
43	52 1/8 x 179	A	A	A	A
44	52 1/8 x 191	A	A	A	A
45	52 1/8 x 203	A	A	A	A
46	52 1/8 x 215	A	A	A	A
47	52 1/8 x 227	A	A	A	A
48	52 1/8 x 239	A	A	A	A
49	52 1/8 x 251	A	A	A	A
50	52 1/8 x 263	A	A	A	A
51	52 1/8 x 275	A	A	A	A
52	52 1/8 x 287	A	A	A	A
53	52 1/8 x 299	A	A	A	A
54	52 1/8 x 311	A	A	A	A
55	52 1/8 x 323	A	A	A	A
56	52 1/8 x 335	A	A	A	A
57	52 1/8 x 347	A	A	A	A
58	52 1/8 x 359	A	A	A	A
59	52 1/8 x 371	A	A	A	A
60	52 1/8 x 383	A	A	A	A
61	52 1/8 x 395	A	A	A	A
62	52 1/8 x 407	A	A	A	A
63	52 1/8 x 419	A	A	A	A
64	52 1/8 x 431	A	A	A	A
65	52 1/8 x 443	A	A	A	A
66	52 1/8 x 455	A	A	A	A
67	52 1/8 x 467	A	A	A	A
68	52 1/8 x 479	A	A	A	A
69	52 1/8 x 491	A	A	A	A
70	52 1/8 x 503	A	A	A	A
71	52 1/8 x 515	A	A	A	A
72	52 1/8 x 527	A	A	A	A
73	52 1/8 x 539	A	A	A	A
74	52 1/8 x 551	A	A	A	A
75	52 1/8 x 563	A	A	A	A
76	52 1/8 x 575	A	A	A	A
77	52 1/8 x 587	A	A	A	A
78	52 1/8 x 599	A	A	A	A
79	52 1/8 x 611	A	A	A	A
80	52 1/8 x 623	A	A	A	A
81	52 1/8 x 635	A	A	A	A
82	52 1/8 x 647	A	A	A	A
83	52 1/8 x 659	A	A	A	A
84	52 1/8 x 671	A	A	A	A
85	52 1/8 x 683	A	A	A	A
86	52 1/8 x 695	A	A	A	A
87	52 1/8 x 707	A	A	A	A
88	52 1/8 x 719	A	A	A	A
89	52 1/8 x 731	A	A	A	A
90	52 1/8 x 743	A	A	A	A
91	52 1/8 x 755	A	A	A	A
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93	52 1/8 x 779	A	A	A	A
94	52 1/8 x 791	A	A	A	A
95	52 1/8 x 803	A	A	A	A
96	52 1/8 x 815	A	A	A	A
97	52 1/8 x 827	A	A	A	A
98	52 1/8 x 839	A	A	A	A
99	52 1/8 x 851	A	A	A	A
100	52 1/8 x 863	A	A	A	A

MI HOME PRODUCTS
GRAIZ, PA

186/3185 SINGLE HUNG FLANGE FRAME
INSTALLATION DETAILS & FASTENER SCHEDULE

DATE: 08/15/04
N.T.S.
1 OF 1

*TAPCON TYPE HARDENED MASONRY SCREENS INCLUDE TAPCON, RAWL, & SIMPSON

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Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

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Result List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expiry	Status
General American Door	Montgomery	James Campbell	6506391000	Product Manufacturer	01/01/2009	Approved
Org Code: PDM	System ID: 3585	Site Link: www.gadco.com				

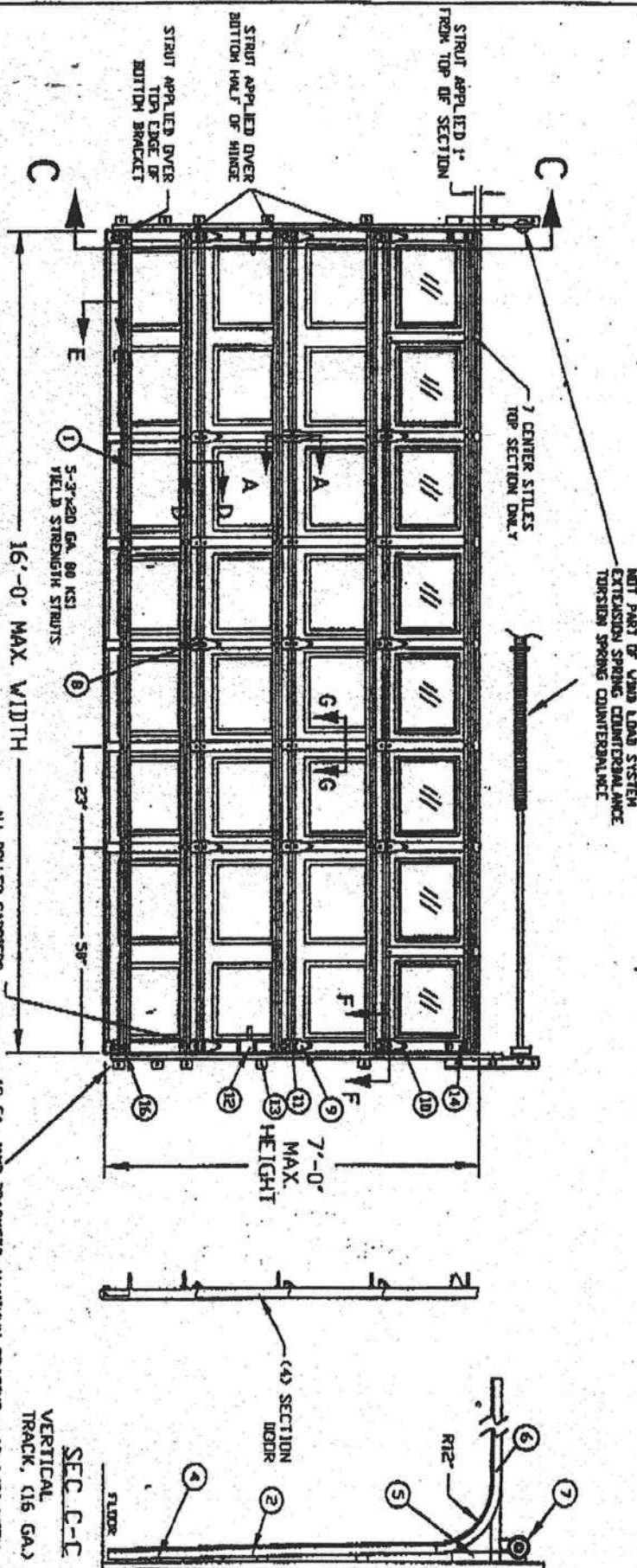
Displaying 1-1 of 1

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http://www.floridabuilding.org/Common/corg_reg_SRCH.asp

6/21/2004

- NOTES:**
1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN PRESSURES PER ASTM E-530
 2. MAXIMUM SECTION HEIGHT: 21'
 3. SECTION HEIGHTS OF 21'0" AND 19'5" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS RISE HEIGHTS.
 4. VARIOUS MAY BE INSTALLED IN THE TOP SECTION, AS TESTED WITH 1/2" RSG GLASS OR EQUIVALENT UP IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
 5. MAXIMUM LENGTH OF ROLLER STEM IS 54" C7 AS TESTED
 6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SCHEDULE.
 7. STRUTS SECURED AT ALL LOCATIONS WITH TIE SCREWS.
 8. QUANTITY OF TIE SCREWS CAN BE Q1 OR Q2 AS TESTED.
 9. DROP IN TYPE OF INSULATION IS OPTIONAL.



INSIDE ELEVATION

TEST REPORTS ON FILE VIDEO 10/19/00 0002930

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

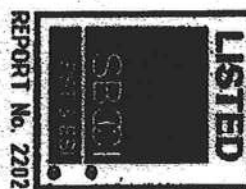
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTICEMERY, IL 60538

REVISED BY: A. VERNON

REVISED (CA) 11-10-00

16 X 7' MAX. RAISED PANEL STEEL DOOR - WINDLOAD ±20 PSF

PAUSE 1 OF 2

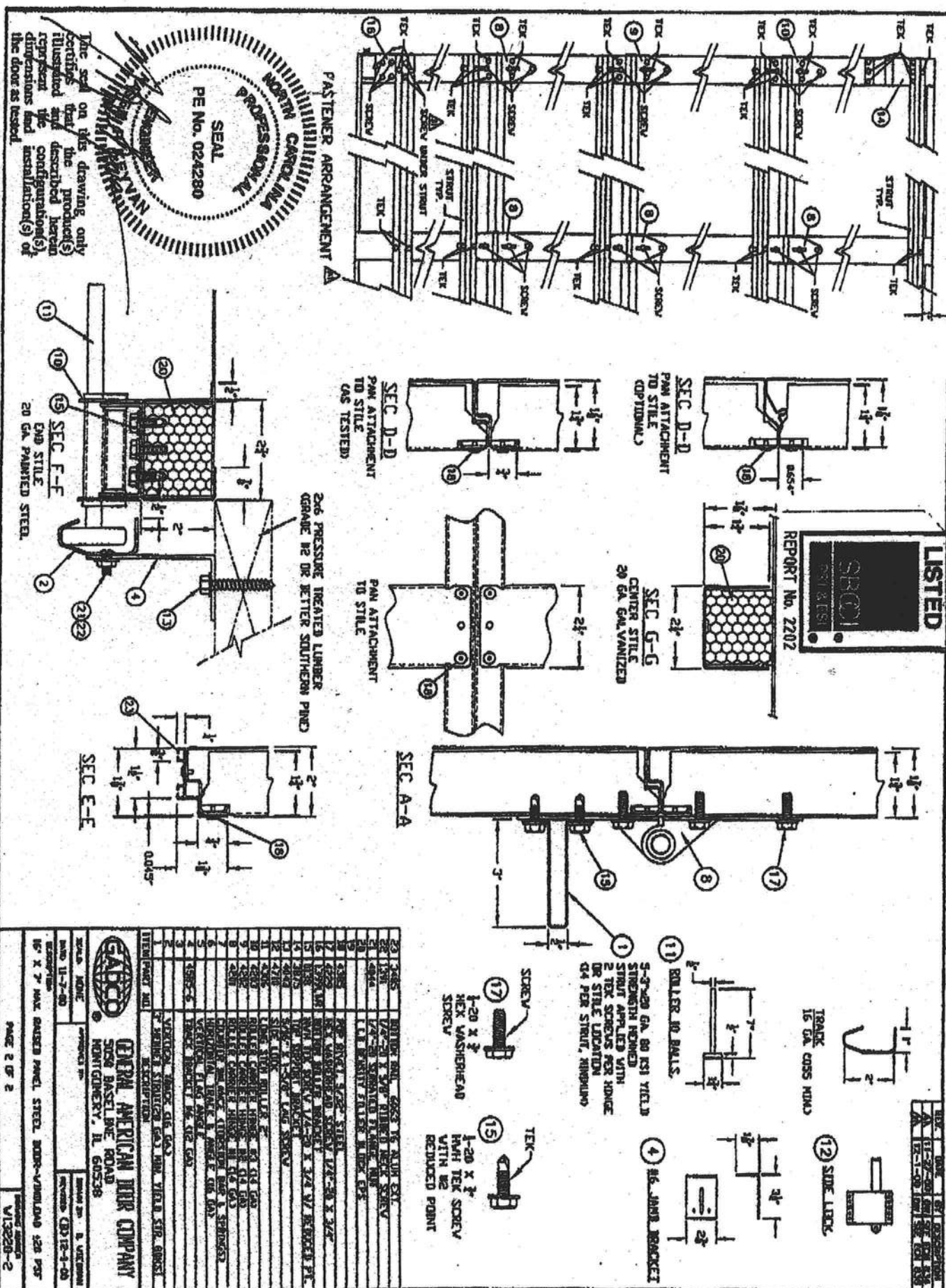


REPORT NO. 2202

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s) of the door as tested.

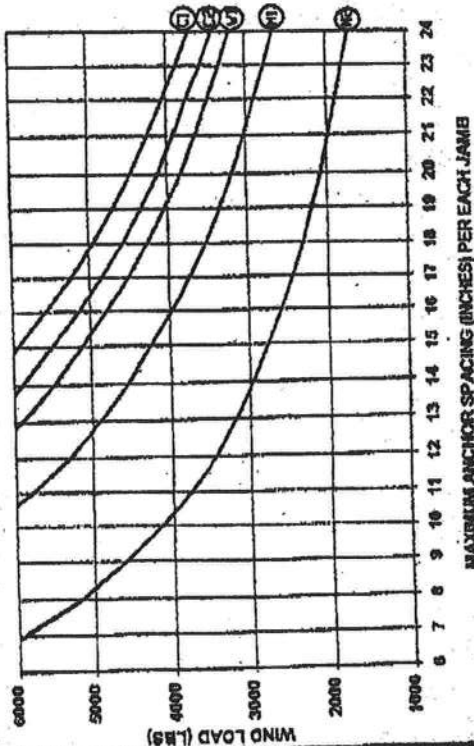
GABCO DOORS				
SERIES 7400 EXTERIOR STEEL - 0.07 MIN GUS TESTED				
SERIES 7425, EXTERIOR STEEL - 0.07 MIN A				
SERIES 7524, EXTERIOR STEEL - 0.04 MIN A				
TESTED WITH WINDOVS				
MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STILES TO ESI OR ESI	VERTICAL TRACK
16'	7'	23"	3"	5
				2 IN.

REV	DATE	BY	DESCRIPTION
A	11-10-00	AV	SEE ELEV. 201



REC	DATE	BY	TIME
A	11-27-09	AW	5:15 PM 434
A	12-1-09	AW	5:15 PM 836

WIND LOAD vs ANCHOR SPACING



DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)

EXAMPLE

30 LBS X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

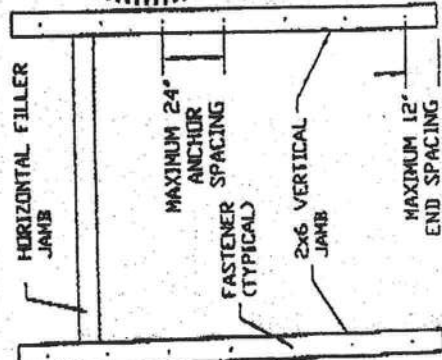
USE 22" SPACING

USE 21" SPACING

USE 19" SPACING

SEE NOTE 11 FOR ADDITIONAL

REQUIREMENTS FOR 2X6 WOOD JAMB ANCHORS



2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2X6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUDED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTB 10, CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUDED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4".
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.



GENERAL AMERICAN DOOR COMPANY
5000 BASELINE ROAD
MONTGOMERY, IL 60538

WIND MISC	WIND NO. DV
DATE 8-30-99	REVISED
DESCRIPTION	
JAMB TO STRUCTURE ATTACHMENT	
FOR WIND LOADED GARAGE DOORS	
WIND MISC	WIND NO. DV
DATE 8-30-99	REVISED
DESCRIPTION	
JAMB TO STRUCTURE ATTACHMENT	
FOR WIND LOADED GARAGE DOORS	
WIND MISC	WIND NO. DV
DATE 8-30-99	REVISED
DESCRIPTION	
JAMB TO STRUCTURE ATTACHMENT	
FOR WIND LOADED GARAGE DOORS	

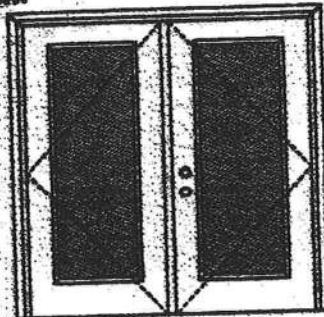


3/8/2002

XX

Glazed Opening Unit

CDP-WL-JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

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

Double Door
Maximum unit size = 6'0" x 6'6"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-wind, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed -- see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed -- see MID-WL-MA0012-02.

APPROVED DOOR STYLES:**1/4 GL/SS:**

100 Series



120, 126 Series



136 Series



600 Series



322 Series

1/2 GL/SS:

106 Series*



106, 100 Series*



120 Series*



200 Series*



12 GL, 20 GL, 24 GL Series*



107 Series*



108 Series



104 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
Window Systems

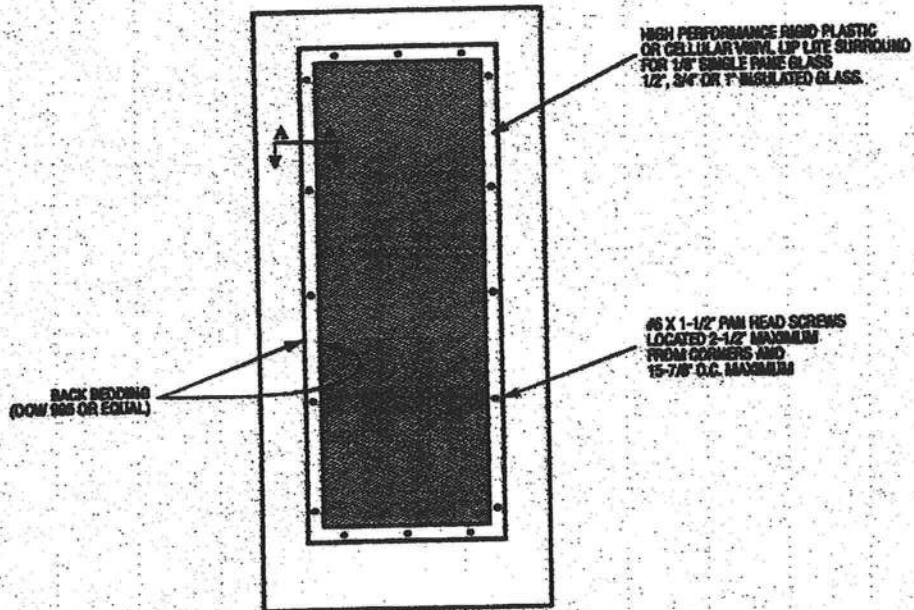
March 21, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



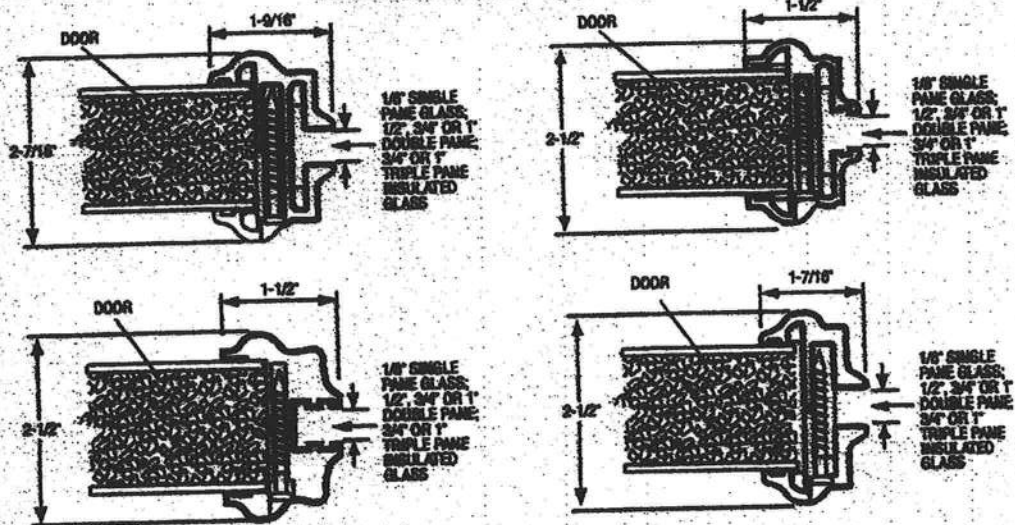
Exclusively from

Masonite
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002
Our entire design and
a program of product improvement makes specifications
subject to change without notice.

PREMIER Collection
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

XX

Glazed Cutswing Unit

COP WL-0H4162-03

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:****FULL GLASS:****CERTIFIED TEST REPORTS:**

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202
COMPANY NAME
CITY, STATE

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

Kurt L Balthaz

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

Johnson
Entry Systems

March 28, 2002

Our continuing program of product improvement makes specifications, designs and product details subject to change without notice.

PREMDORE Collective
Premium Quality Doors

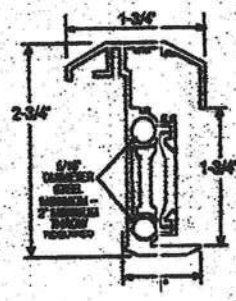
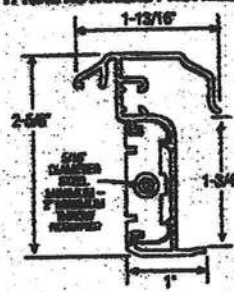
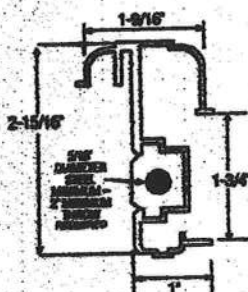


Exclusively from

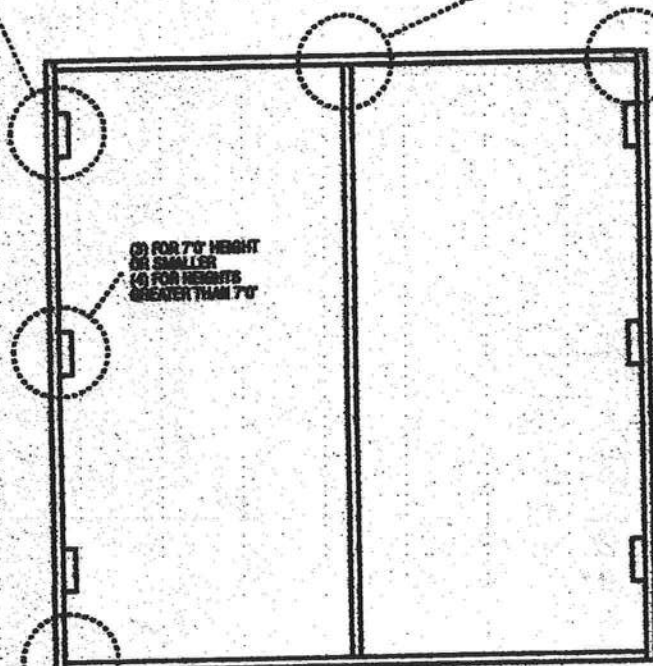
Masonite

Masonite International Corporation

TYPICAL IN USE ATTACHMENT



ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL HEAD BOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



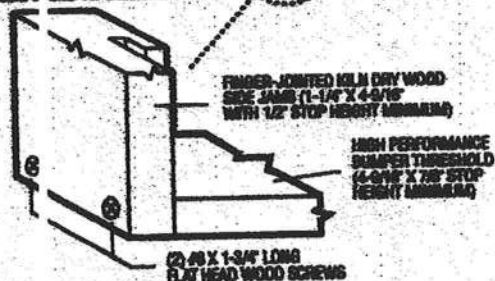
TYPICAL HEADER & SIDE JAMB ATTACHMENT

FINGER-JOINTED KILN DRY WOOD
FRAME HENDER (1-1/4" X 4-0/16")
WITH 1/2" STOP HEIGHT LEADERS

(5) 2' LONG X
1/2" CROWN
WIDE STAPLES

FINGER-JOINTED
KILN DRY WOOD
SIDE JAMB
(1-1 1/4" X 4-0" W/
WITH 1/2" STOP
HEIGHT MINIMUM

TOPIC: LITERATURE & SIDE: NO ATTACHMENT



**FINGER-JOINTED KILN DRY WOOD
SIDE JAMB (1-1/4" X 4-9/16"
WITH 1/2" STOP HEIGHT MOUNTING)**

**HIGH PERFORMANCE
DUMPER THRESHOLD
(4.014" X 7.87" STOP
HEIGHT MINIMUM)**

(2) 40 X 1-3/4" LONG
FLAT HEAD WOOD SCREWS

March 29 2002
Our entire
design and
is program of product improvement without specifications.
without total budget to change without notice.

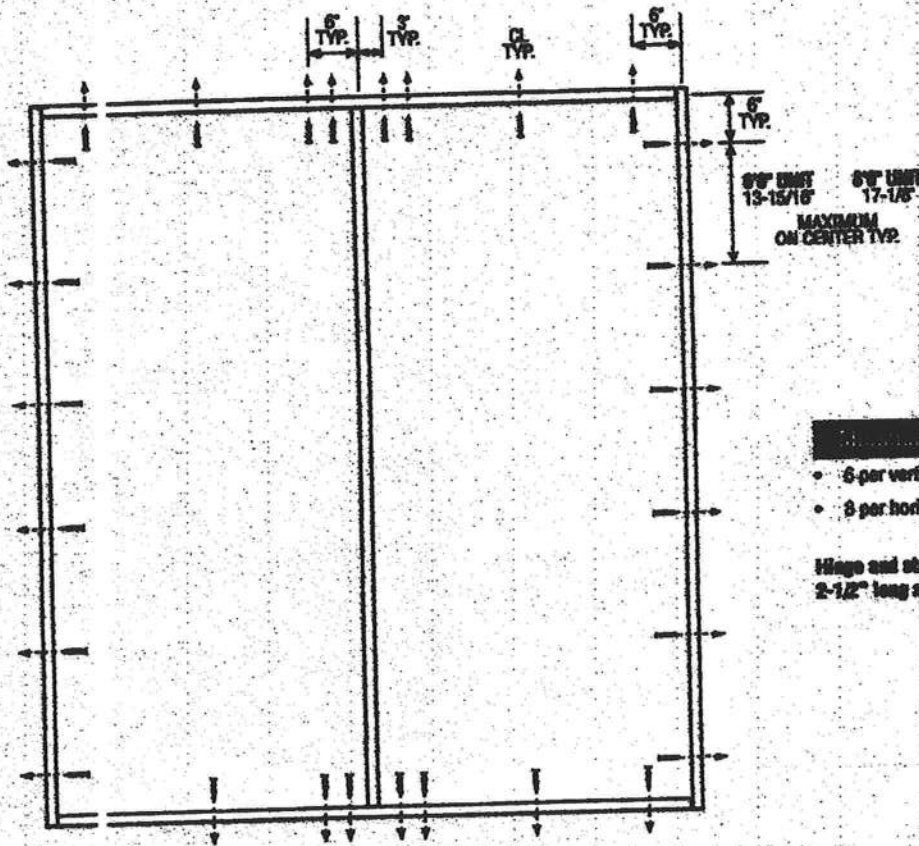


Exclusively from
Masonite
Masonite International Corporation

XX
Unit

MID-WL-HMA002-02

DOUBLE DOOR



- 6 per vertical framing member.
- 8 per horizontal framing member.

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/APA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 1999
Our entire design and engineering department is responsible for the accuracy of this document. Please do not change without notice.

PREMDOR®
Premium Quality Doors

Exclusively from
Masonite®
Masonite International Corporation

Residential System Sizing Calculation

Summary

Todd & Rennee Manning

Project Title:
Manning

Lake City, FL

Code Only
Professional Version
Climate: North

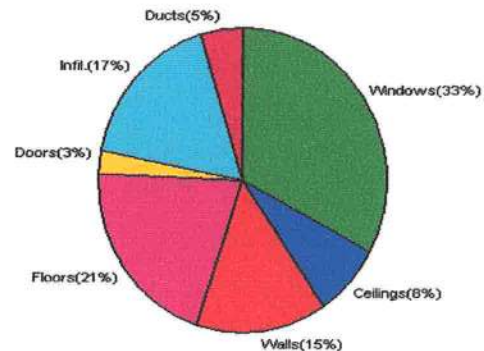
3/27/2007

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
Total heating load calculation	37484 Btuh	Total cooling load calculation	46797 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	128.1 48000	Sensible (SHR = 1)	128.0 48000
Heat Pump + Auxiliary(0.0kW)	128.1 48000	Latent	0.0 0
		Total (Electric Heat Pump)	102.6 48000

WINTER CALCULATIONS

Winter Heating Load (for 2195 sqft)

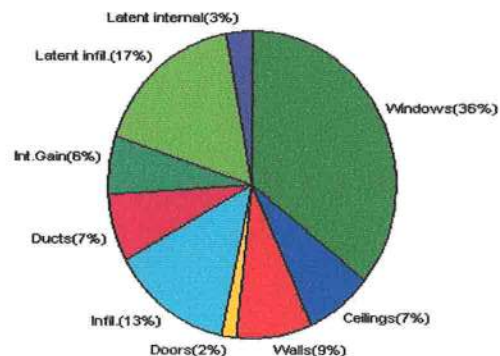
Load component	Load
Window total 436 sqft	12339 Btuh
Wall total 1669 sqft	5496 Btuh
Door total 63 sqft	947 Btuh
Ceiling total 2195 sqft	2854 Btuh
Floor total 246 ft	7774 Btuh
Infiltration 147 cfm	6290 Btuh
Subtotal	35699 Btuh
Duct loss	1785 Btuh
TOTAL HEAT LOSS	37484 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2195 sqft)

Load component	Load
Window total 436 sqft	16783 Btuh
Wall total 1669 sqft	4010 Btuh
Door total 63 sqft	803 Btuh
Ceiling total 2195 sqft	3468 Btuh
Floor total	0 Btuh
Infiltration 228 cfm	6027 Btuh
Internal gain	3000 Btuh
Subtotal(sensible)	34091 Btuh
Duct gain	3409 Btuh
Total sensible gain	37500 Btuh
Latent gain(infiltration)	7917 Btuh
Latent gain(internal)	1380 Btuh
Total latent gain	9297 Btuh
TOTAL HEAT GAIN	46797 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *Richard C. Clegg*

DATE: 3-27-07

System Sizing Calculations - Winter

Residential Load - Component Details

Todd & Rennee Manning

Project Title:
Manning

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

3/27/2007

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
2	2, Clear, Metal, DEF	E	212.0	28.3	6000 Btuh
3	2, Clear, Metal, DEF	S	38.0	28.3	1075 Btuh
4	2, Clear, Metal, DEF	W	146.0	28.3	4132 Btuh
Window Total			436		12339 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	1466	3.5	5131 Btuh
2	Frame - Adjacent	11.0	203	1.8	365 Btuh
Wall Total			1669		5496 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		42	17.9	753 Btuh
2	Wood - Adjac		21	9.2	193 Btuh
Door Total			63		947Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2195	1.3	2854 Btuh
Ceiling Total			2195		2854Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	246.0 ft(p)	31.6	7774 Btuh
Floor Total			246		7774 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	21950(sqft)	147	6290 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				147	6290 Btuh

Totals for Heating	Subtotal	35699 Btuh
	Duct Loss(using duct multiplier of 0.05)	1785 Btuh
	Total Btuh Loss	37484 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Todd & Rennee Manning

Project Title:
Manning

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 3/27/2007

Window	Type	Panes/SHGC/U/InSh/ExSh Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Len		Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, Clear, DEF, B, N	N	1.5	8	40.0	0.0	40.0	17	17	680 Btuh		
2	2, Clear, DEF, B, N	E	1.5	8	212.0	33.0	179.0	17	48	9153 Btuh		
3	2, Clear, DEF, B, N	S	1.5	8	38.0	38.0	0.0	17	26	646 Btuh		
4	2, Clear, DEF, B, N	W	1.5	8	146.0	22.7	123.3	17	48	6304 Btuh		
Window Total					436					16783 Btuh		
Walls	Type	R-Value		Area			HTM		Load			
1	Frame - Exterior	11.0		1466.0			2.5		3665 Btuh			
2	Frame - Adjacent	11.0		203.0			1.7		345 Btuh			
Wall Total						1669.0			4010 Btuh			
Doors	Type				Area			HTM		Load		
1	Wood - Exter				42.0			12.7		535 Btuh		
2	Wood - Adjac				21.0			12.7		268 Btuh		
Door Total						63.0			803 Btuh			
Ceilings	Type/Color	R-Value			Area			HTM		Load		
1	Under Attic/Dark	30.0			2195.0			1.6		3468 Btuh		
Ceiling Total						2195.0			3468 Btuh			
Floors	Type	R-Value			Size			HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0			246.0 ft(p)			0.0		0 Btuh		
Floor Total						246.0			0 Btuh			
Infiltration	Type	ACH			Volume			CFM=		Load		
	Natural	0.35			21950			128.3		3387 Btuh		
	Mechanical							100		2640 Btuh		
Infiltration Total									228		6027 Btuh	

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 300 +		1200	3000 Btuh

Totals for Cooling	Subtotal	34091 Btuh
	Duct gain(using duct multiplier of 0.10)	3409 Btuh
	Total sensible gain	37500 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7917 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		46797 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

25823

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JF104378 Company Phone No. 386-735-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Erkiner Homes Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 2936 N.W. Major Rd
Lake City, FL 32055
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment(s) 7-20-07
Brand Name of Product(s) Used Bora-Eco
EPA Registration No. 64409-1
Approximate Final Mix Solution % 1.2%
Approximate Size of Treatment Area: Sq. ft. 3142 Linear ft. 279 Linear ft. of Masonry Voids _____
Approximate Total Gallons of Solution Applied 6
Was treatment completed on exterior? ☒ Yes ☐ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments Treated all walls

Name of Applicator(s) Steve Brunner Certification No. (if required by State law) JF104378

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature Steve Brunner Date 7-20-07

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

COLUMBIA COUNTY OKLAHOMA

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 15-3S-16-02125-011

Building permit No. 000025823

Use Classification SFD, UTILITY

Fire: 77.00

Permit Holder MATTHEW ERKINGER

Waste: 201.00

Owner of Building TODD & RENEE MANNING

Total: 278.00

Location: 2936 NW MOORE RD, LAKE CITY, FL

Date: 10/22/2007

Wayne A. Lane

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

