DATE 03/27/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025661

APPLICANT STEPHEN CRAWFORD PHONE 755-5068

ADDRESS 11736 S US HIGHWAY 441 LAKE CITY FL 32025

OWNER STEPHEN CRAWFORD PHONE 755-5068

ADDRESS 11085 S US HIGHWAY 441 LAKE CITY FL 32025

CONTRACTOR STEPHEN CRAWFORD PHONE 755-5068

LOCATION OF PROPERTY 441S, LOT N NE CORNER WITH JAMES FEAGLE LANE

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 88850.00

HEATED FLOOR AREA 1777.00 TOTAL AREA 2905.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 22

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

NO. EX.D.U. 0 FLOOD ZONE A DEVELOPMENT PERMIT NO. ____

PARCEL ID 22-5S-17-09328-008 SUBDIVISION MASON CITY

LOT 1-17 BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES ____

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CRC1328323	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	07-218	BK	JH	Y

COMMENTS: ONE FOOT ABOVE PAVED RD, 2 FT ABOVE GRADED ROAD

FDOT APPROVAL FOR NORTH LOT ONLY

Check # or Cash 7985

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by | Foundation ____ date/app. by | Monolithic ____ date/app. by

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

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

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

Permanent power ____ date/app. by | C.O. Final ____ date/app. by | Culvert ____ date/app. by

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

Reconnection ____ date/app. by | Pump pole ____ date/app. by | Utility Pole ____ date/app. by

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

BUILDING PERMIT FEE $ 445.00 CERTIFICATION FEE $ 14.53 SURCHARGE FEE $ 14.53

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ ____

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 549.06

INSPECTORS OFFICE ____ 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 INCONVIENCE, 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.

ELK Roofing Products Specifications – Tuscaloosa, AL

PRESTIQUE®
HIGH DEFINITION®

RAISED PROFILE™

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size 13¼"x 39⅜"
Exposure 5⅝"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 11

50-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Raised Profile

Product size 13¼"x 38¾"
Exposure 5⅝"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Prestique I *High Definition*

Product size 13¼"x 39⅜"
Exposure 5⅝"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 14

40-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Prestique *High Definition*

Product size 13¼"x 38¾"
Exposure 5⅝"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™

Size: 12"x 12"
Exposure: 6⅔"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shakewood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood. Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

***See actual limited warranty for conditions and limitations.**
****Check for product availability.**

Specifications

Scope: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula *FLX*.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

Preparation of Roof Deck: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Materials: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes [4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)], use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula *FLX* with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

Southeast & Atlantic Office:
800.945.5551

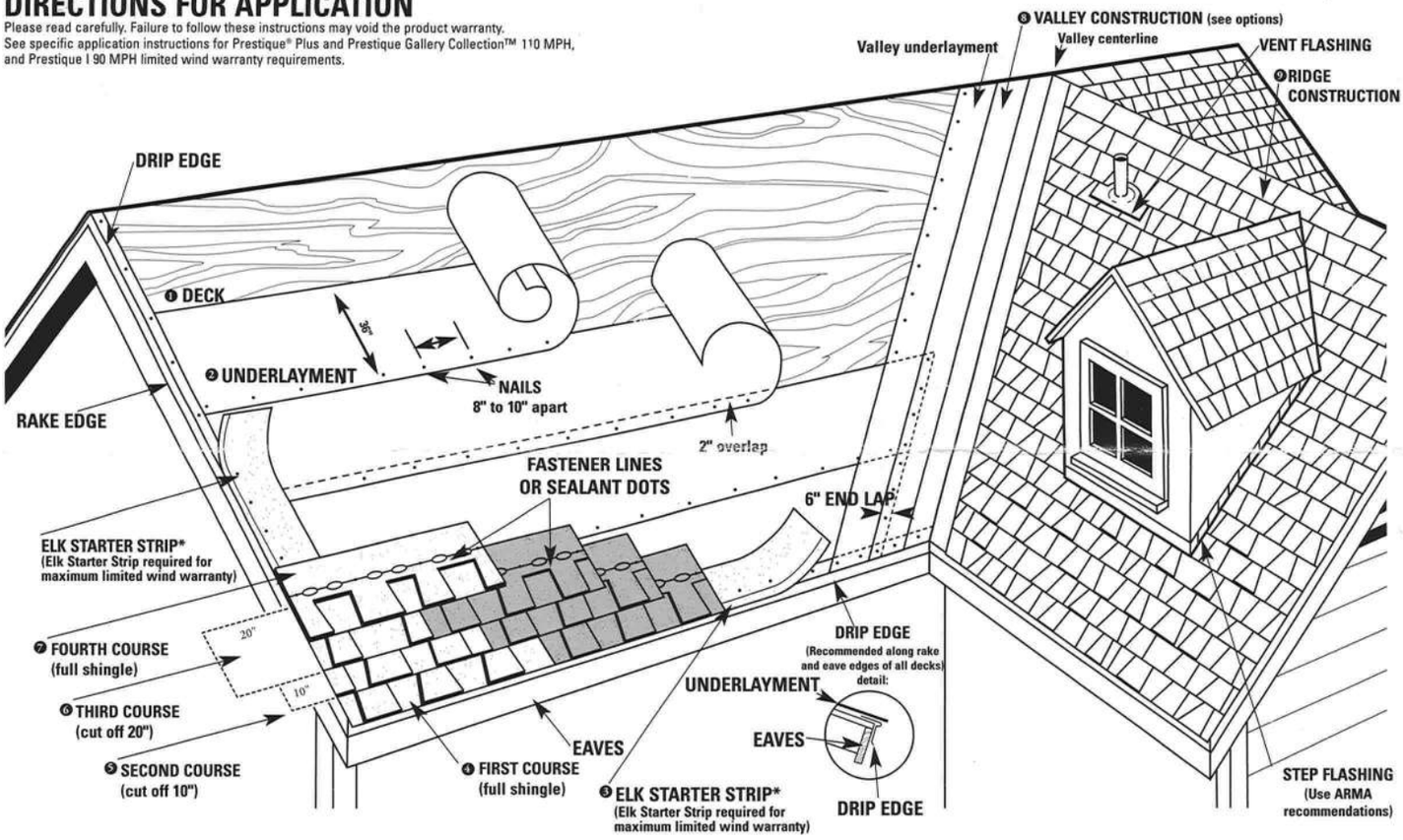
Corporate Headquarters:
800.354.7732

Plant Location:
800.945.5545

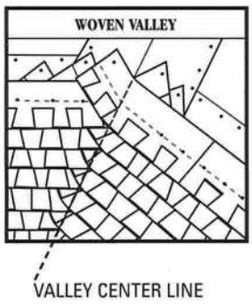
ELK
www.elkcorp.com

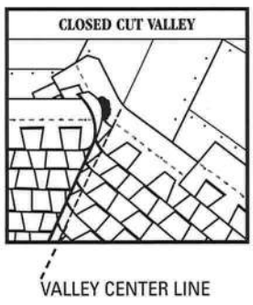
DIRECTIONS FOR APPLICATION

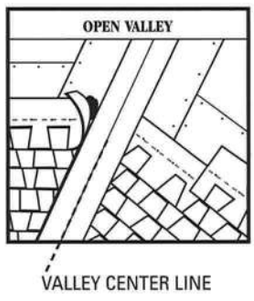
Please read carefully. Failure to follow these instructions may void the product warranty.
See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ 110 MPH, and Prestique I 90 MPH limited wind warranty requirements.



❽ VALLEY CONSTRUCTION OPTION (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing Manual.







DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

❶ DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

❷ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Field Service Department for application specifications over other decks and other slopes.

❸ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE. With at least 4" trimmed from the end of the first shingle, start at the rake edge overhanging the eave 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

❹ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof.

❺ SECOND COURSE

Start at the rake with the shingle having 10" trimmed off and continue across roof with full shingles.

❻ THIRD COURSE

Start at the rake with the shingle having 20" trimmed off and continue across roof with full shingles.

❼ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof.

❽ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying 18" metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

❾ RIDGE CONSTRUCTION

For ridge construction use Class "A" Seal-A-Ridge® with formula *FLX*™ (See ridge package for installation instructions.)

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Always nail or staple through the fastener line or on products without fastener lines, nail or staple between and in line with sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

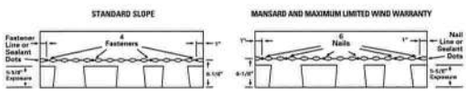
Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

MANSARD APPLICATIONS

Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

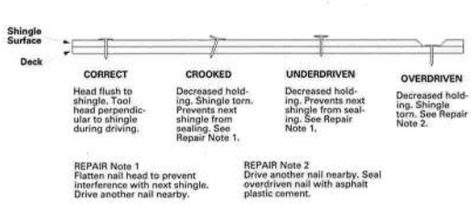
LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- * For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.



HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.
All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

ELK®
www.elkcorp.com

549.06

Columbia County Building Permit Application

For Office Use Only Application # 0703-36 Date Received LH 3-14-07 By ____ Permit # 25661

Application Approved by - Zoning Official BLK Date 22.03.07 Plans Examiner OKJTH Date 3-16-07

Flood Zone A Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Approval FDOT for North 1st Floor to be 1ft above paved Rd. Mobile Home Lot Only (See Attached)

Applicants Name Stephen Crawford Phone (386) 755-5068 Fax 758-9560

Address 11736 S US Hwy 441 Lake City, FL 32025

Owners Name Stephen Crawford Phone (386) 755-5068

911 Address 11085 S US Hwy 441 Lake City, FL 32025

Contractors Name Stephen Crawford Construction, Inc. Phone (386) 755-5068

Address 11736 S US Hwy 441 Lake City, FL 32025

Fee Simple Owner Name & Address Stephen Crawford 11736 S US Hwy 441 Lake City, FL 32025

Bonding Co. Name & Address ____

Architect/Engineer Name & Address Mark Disosway, PE P.O. Box 868 Lake City, FL 32056

Mortgage Lenders Name & Address ____

Property ID Number 22-5S-17-09328-008 Estimated Cost of Construction 150,000.00

Subdivision Name Mason City Lot 11 Block 10 Unit ____ Phase ____

Driving Directions Highway 441 South, Lot on NE corner with James Feagle Lane.

Type of Construction Residential - New Home Number of Existing Dwellings on Property 0 (Clay)

Total Acreage .96 Lot Size 125'x345' Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 125' Side 25' Side 175' Rear 67'

Total Building Height 22' 10" Number of Stories 1 Heated Floor Area 1,777 sq.ft. Roof Pitch 7:12

TOTAL 2905

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

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 COMMENCMENT 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 Agent (Including Contractor) Contractor Signature

Contractors License Number CRC1328323

Competency Card Number ____

STATE OF FLORIDA
COUNTY OF COLUMBIA

LAURIE HODSON MY COMMISSION # DD EXPIRES: June 28, 2008 Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before me this 14 day of March 20 07.

Personally known ____ or Produced Identification ____

NOTARY STAMP/SEAL

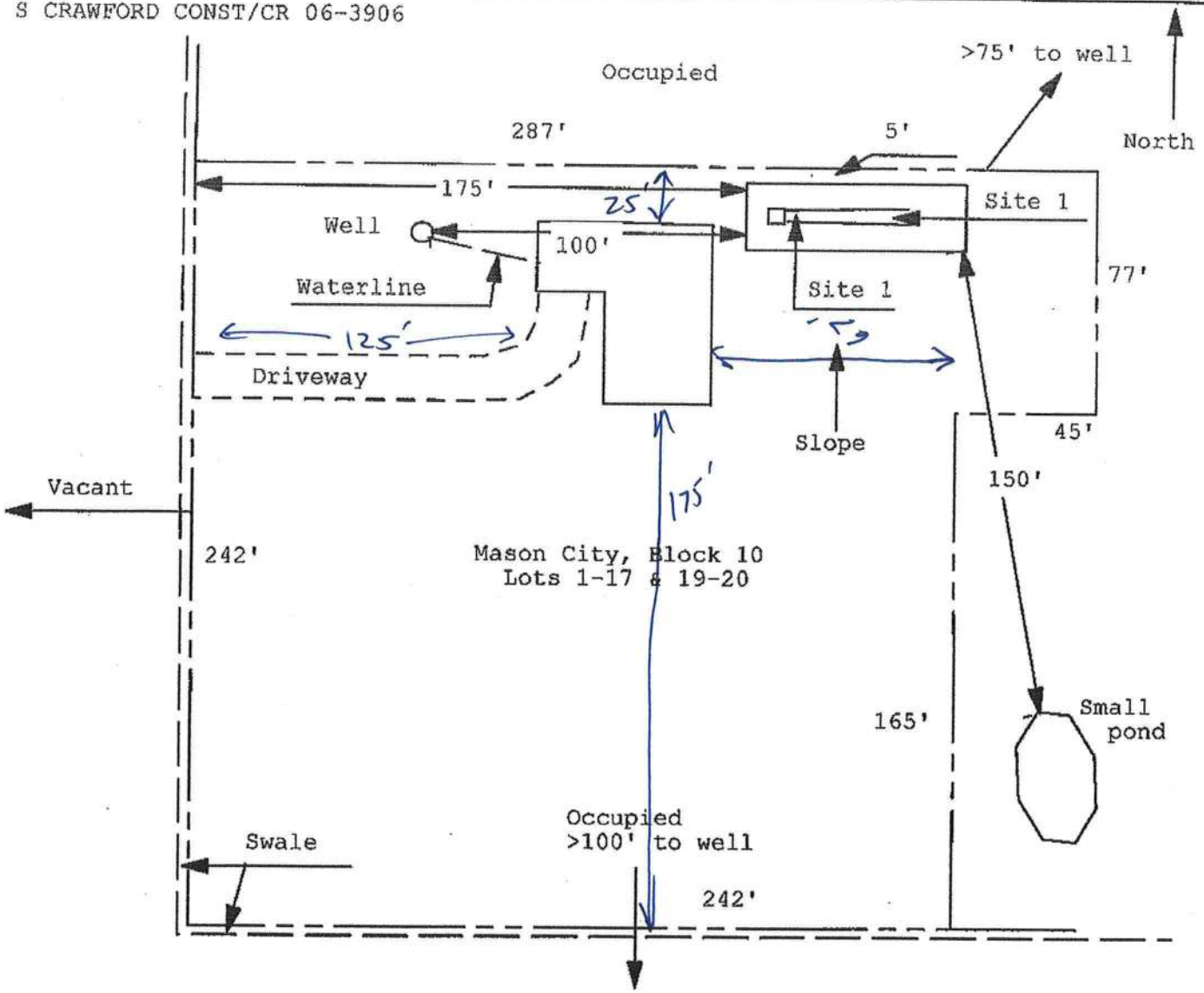
Notary Signature

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

Permit Application Number: _____

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

S CRAWFORD CONST/CR 06-3906



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 3/2/07

Plan Approved_____ **Not Approved**_____ **Date**_____

By_____ _____ **CPHU**

Notes:_____

Columbia County Property Appraiser

DB Last Updated: 2/5/2007

2007 Proposed Values

Parcel: 22-5S-17-09328-008

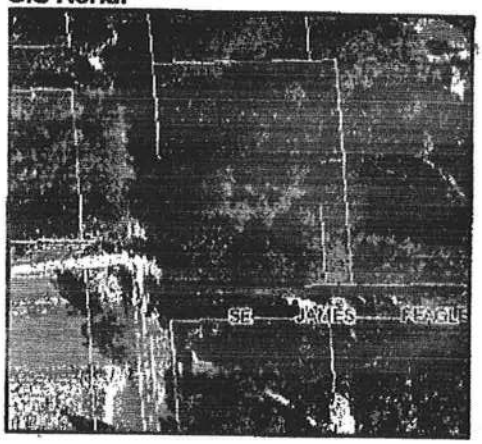
Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	STEPHEN CRAWFORD CONSTRUCTION		
Site Address			
Mailing Address	INC P O BOX 1330 LAKE CITY, FL 32056		
Use Desc. (code)	VACANT (000000)		
Neighborhood	22517.00	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	1.400 ACRES		
Description	LOTS 1 THRU 20 BLOCK 10 MASON CITY EX LOT 18 & EX A PARCEL DESC ORB 1059-1877 ORB 1106- 263		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	$23,492.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$23,492.00

Just Value	$23,492.00
Class Value	$0.00
Assessed Value	$23,492.00
Exempt Value	$0.00
Total Taxable Value	$23,492.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
12/22/2006	1106/263	WD	I	Q		$35,000.00
10/15/2002	964/2662	WD	V	U	01	$100.00
10/7/2002	964/641	WD	V	U	01	$100.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.400 AC	1.00/1.00/1.00/1.00	$16,780.50	$23,492.00

Columbia County Property Appraiser

DB Last Updated: 2/5/2007

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: 3/12/2007 **DATE ISSUED:** 3/13/2007

ENHANCED 9-1-1 ADDRESS:

11085 S US HIGHWAY 441
LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

22-5S-17-09328-008

Remarks:

LOTS 1 THRU 20 BLOCK 10 MASON CITY

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.

General Warranty Deed

Made this December 22nd 2006 A.D. By **Vernal L. Huffines, a married man**, PO Box 97000, Wichita Falls, TX 76307, hereinafter called the grantor, to **STEPHEN CRAWFORD CONSTRUCTION, INC., a Florida corporation** whose post office addre is: PO Box 1330, Lake City FL 32056, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lots 1 through 20, inclusive, Block 10, MASON CITY , according to the plat thereof, recorded in Plat Book 1, Page(s) 31 of the Public Records of Columbia County, Florida. LESS and EXCEPT Lot 18 and LESS and EXCEPT those lands recorded in Official Records Book 1059, Page 1877 known as Parcel 10 of said Public Records.

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or an members of the household of Grantor(s) reside thereon.

Parcel ID Number: R09328-008

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2006.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Printed Name KATHY CARPENTER

Witness Printed Name Norma Avila

Vernal L. Huffines (Seal)
Address: PO Box 97000, Wichita Falls, TX 76307

(Seal)
Address:

State of Colorado
County of Pitkin

The foregoing instrument was acknowledged before me this 22nd day of December, 2006, by Vernal L. Huffines, a married man, who is/are personally known to me or who has produced Texas Drivers License as identification.

NOTARY PUBLIC KATHY CARPENTER STATE OF COLORADO

Notary Public
Print Name: KATHY CARPENTER
My Commission Expires: 11-16-09

Inst:2007006009 Date:03/14/2007 Time:14:21
DC,P.DeWitt Cason,Columbia County B:1113 P:1664

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

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.

Tax Parcel ID Number 22-5S-17-09328-008 PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
(See Warranty Deed) -
(Address - 911)
11085 S US Hwy 441
Lake City, FL 32025

2. General description of improvement: New Home

3. Owner Name & Address Stephen Crawford 11736 S US Hwy 441
Lake City, FL 32025 Interest in Property _____

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name Stephen Crawford Const., Inc. Phone Number (386) 755-5068
Address 11736 S US Hwy 441 Lake City, FL 32025

6. Surety Holders Name _____ Phone Number _____
Address _____
Amount of Bond _____

7. Lender Name None Phone Number _____
Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name _____ Phone Number _____
Address _____

9. In addition to himself/herself the owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Sworn to (or affirmed) and subscribed before day of MARCH 14, 2007

Signature of Owner

NOTARY STAMP/SEAL

BARBARA A. SAUNDERS
MY COMMISSION # DD 294157
EXPIRES: February 25, 2008
Bonded Thru Notary Public Underwriters

Barbara A Saunders
Signature of Notary

CLYATT WELL DRILLING, INC.
Established in 1971
Post Office Box 160
Worthington Springs, Florida 32697
Phone (386)496-2488 FAX (386)496-4640

WELL DESCRIPTION

DESCRIPTION DATE
7/12/2007

CUSTOMER NAME AND ADDRESS
Stephen Crawford Construction Attn.: Stephen Crawford 991 Southwest Charleston Court Lake City, Florida 32025

DESCRIPTION OF WORK
4" Well and Pump 441 Spec House Mason City

DESCRIPTION
4" Well
1 HP Submersible Pump
1-1/4" Galvanized Drop Pipe
14/3 Submersible Pump Wire With Ground
WF255 (220 Gallon Equivalent) Tank
4 X 1-1/4 Well Seal
Pressure Relief Valve
Controls & 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, warrant or guarantee the quality 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 to repossess is granted if payment for well is not made.

FAX MEMORANDUM
3-22-2007

MEMORANDUM

FLORIDA DEPARTMENT OF TRANSPORTATION

To: Mr. John Kerce, Dept. Director Columbia Co. Building & Zoning Dept. Fax No: 904-758-2160 Attention: In-House Staff	From: Neil E. Miles, FDOT Permits Coor. Date: 3-22-07 Fax No. 904-961-7180 Permits Office

( ) Sign and return. ( ) For your files. ( ) Please call me. (XX) FYI ( ) For Review

Reason for Contact: Received a call from Richard Smith co-owner with Steven Crawford who have purchased property in Mason City in the NE Quadrant of SR-25 (US 441) & James Feagle Road.) 2 new lots have been surveyed out for proposed Spec Houses.

REF: Notice of Existing Driveway Access Review / Inspected On: 3-21-07
PROJECT: Inspection of Existing Access Connection for FDOT Permit Compliance
PROPT. OWNER: Stephen Crawford Construction Co., Inc. /
PRIOR PROPT. OWNER: Vernal L. Huffines
PROPOSED: Inspection of existing access on N. of SE James Feagle Road (Mason City)
NEW PERMITTEE's MAILING ADDRESS: PO Box 1330 LC, Fl. 32056-1330
COUNTY PARCEL ID No: 22-5S-17-09328-008
CONTRACTOR: Stephen Crawford/Richard Smith / Phone # 386-867-1140 Cell#
FDOT Permit No: None Required at this time
Engineer: Unknown

Mr. Kerce or Staff Member:

The existing access connection will be acceptable for the new North Lot Only. The new South Lot must gain access by way of SE James Feagle Road due to State Spacing requirements.

Please accept this as our notice of same and lift any Columbia County Permit restrictions that may have applied to the North Site Lot Only as it pertains to State FDOT Access compliances.

Columbia Co. Building Department, Access Notice

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7180.

Sincerely,

Neil Miles
Access Permits Coordinator
It's great to have folks like you to work with, thanks again for your assistance!

Columbia County Property Appraiser

DB Last Updated: 3/8/2007

Parcel: 22-5S-17-09328-008

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	STEPHEN CRAWFORD CONSTRUCTION		
Site Address			
Mailing Address	INC P O BOX 1330 LAKE CITY, FL 32056		
Use Desc. (code)	VACANT (000000)		
Neighborhood	22517.00	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	1.400 ACRES		
Description	LOTS 1 THRU 20 BLOCK 10 MASON CITY EX LOT 18 & EX A PARCEL DESC ORB 1059-1877 ORB 1106-263		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$23,492.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$23,492.00

Just Value	$23,492.00
Class Value	$0.00
Assessed Value	$23,492.00
Exempt Value	$0.00
Total Taxable Value	$23,492.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
12/22/2006	1106/263	WD	I	Q		$35,000.00
10/15/2002	964/2662	WD	V	U	01	$100.00
10/7/2002	964/641	WD	V	U	01	$100.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.400 AC	1.00/1.00/1.00/1.00	$16,780.50	$23,492.00

Columbia County Property Appraiser DB Last Updated: 3/8/2007

1 of 1

Disclaimer

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

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

Scroll to Top

Columbia County Tax Collector

Columbia County Tax Collector

Site Provided by... governmax.com T1.12

print Acco

Tax Record

Last Update: 3/21/2007 8:26:08 PM EDT

Details
Tax Record
» Print View
Legal Desc.
Appraiser Data
Tax Payment
Payment History

Searches
Account Number
GEO Number
Owner Name
Property Address
Certificate
Mailing Address

Site Functions
Disclaimer
Tax Search
Local Business Tax
Contact Us
County Login
Home

Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be re such.

Account Number	Tax Type	Tax Ye
R09328-008	REAL ESTATE	2006

Mailing Address
HUFFINES VERNAL L
P O BOX 97000
WICHITA FALLS TX 76307

Property Address

GEO Number
17SS22-09328-008

Assessed Value	Exempt Amount	Taxable V
$29,289.00	$0.00	$29,289

Exemption Detail
NO EXEMPTIONS

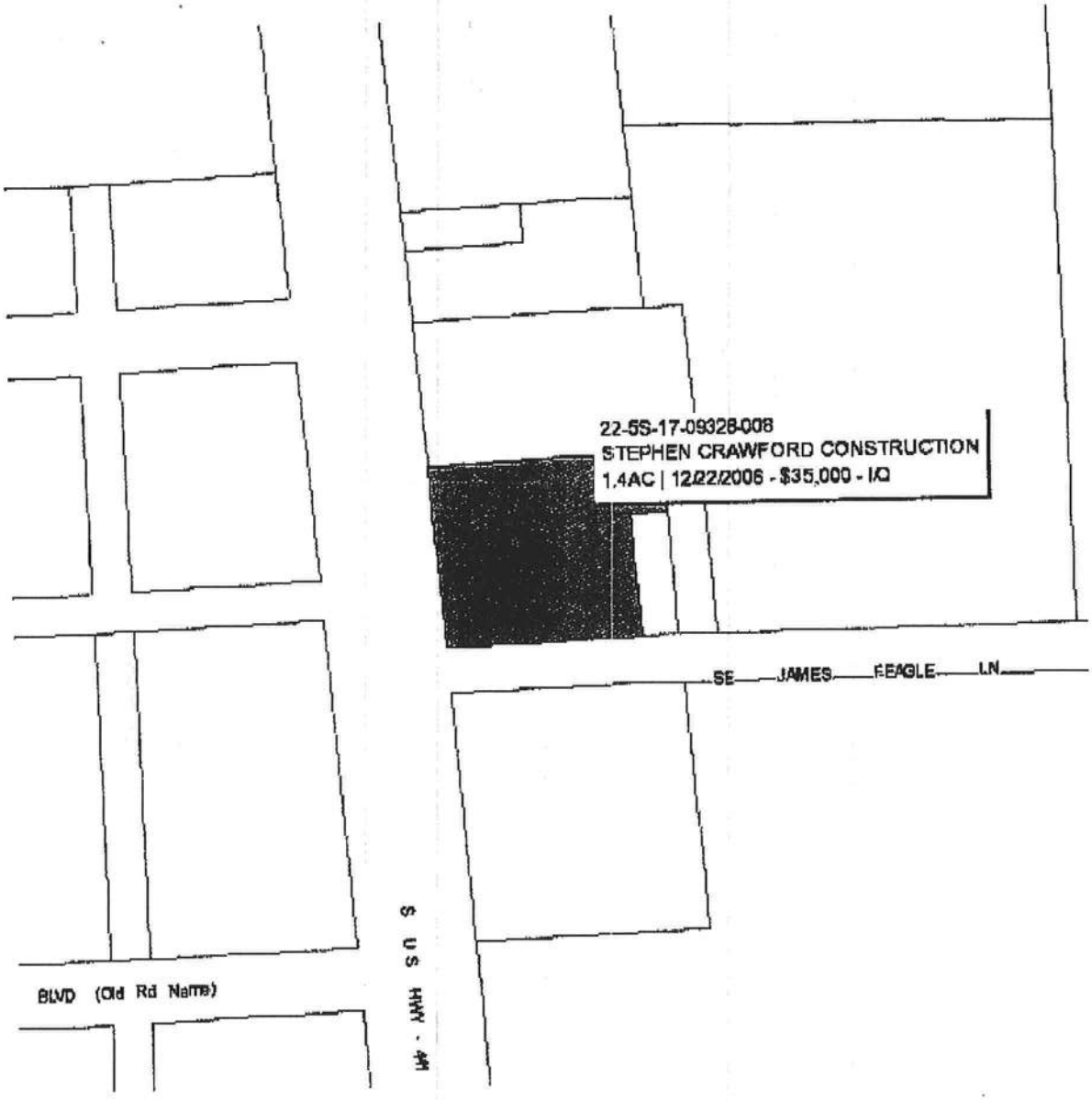
Millage Code
003

Escrow Co

Legal Description (click for full description)
22-5S-17 0000/0000 1.92 Acres PART OF LOTS 1 & 32 BLC MASON CITY DESC AS: COMM AT SE COR LOT 32 BLK 3, RUN APPX 35.36 FT FOR POB, CONT N 33.04 FT TO NE COR LOT RUN W 295 TO NW COR LOT 1, ALSO BEING A PT ON E R/W L US-41, RUN S APPX 44.35 FT, E 294.54 FT See Tax Roll Extra Legal

Ad Valorem Taxes

Taxing Authority	Rate	Exemption Amount	Taxable Value	
BOARD OF COUNTY COMMISSIONERS	8.7260	0	$29,289	$
COLUMBIA COUNTY SCHOOL BOARD				
DISCRETIONARY	0.7600	0	$29,289	
LOCAL	4.9750	0	$29,289	$
CAPITAL OUTLAY	2.0000	0	$29,289	
SUWANNEE RIVER WATER MGT DIST	0.4914	0	$29,289	
SHANDS AT LAKE SHORE	2.2500	0	$29,289	
INDUSTRIAL DEVELOPEMENT	0.1380	0	$29,289	

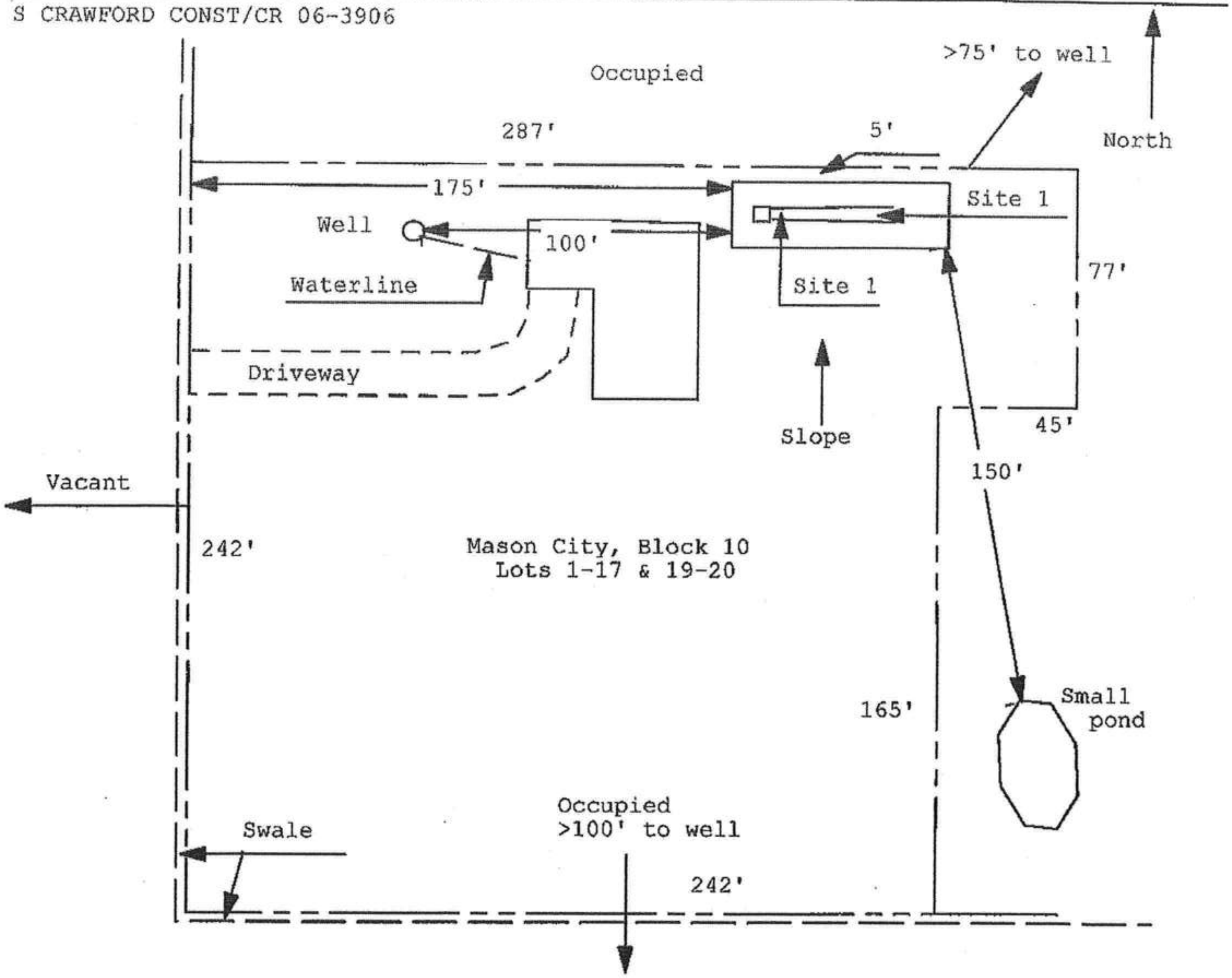

22-5S-17-09328-008
STEPHEN CRAWFORD CONSTRUCTION
1.4AC | 12/22/2006 - $35,000 - I/Q
SE JAMES EAGLE LN
S US HWY - 441
BLVD (Old Rd Name)

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

Permit Application Number: 12-SG-112950 07-0218

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

S CRAWFORD CONST/CR 06-3906



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 3/2/07

Plan Approved ✓ **Not Approved** ______ **Date** 3/26/07

By ______________________ Columbia **CPHU**

Notes: ______________________

FORM 600A-2004R

EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	441 SPEC	Builder:	STENPHEN CRAWFORD CON
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	25661
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

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?	Yes	
6.	Conditioned floor area (ft²)	1777 ft²	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 214.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 214.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 228.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1296.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 220.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 1777.0 ft²	
b.	Under Attic	R=19.0, 228.0 ft²	
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 224.0 ft	
b.	N/A		
12.	Cooling systems		
a.	Central Unit	Cap: 42.0 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 41.0 kBtu/hr HSPF: 7.70	
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: 0.12

Total as-built points: 24478

Total base points: 24504

PASS

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

PREPARED BY: [redacted]

DATE: 2/16/07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

FORM 600A-2004R EnergyGauge® 4.5

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

FORM 600A-2004R EnergyGauge® 4.5

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT							
WATER HEATING Number of Bedrooms	X Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3	2635.00	7905.0	50.0	0.92	3	1.00	2635.00	1.00	7905.0	
			As-Built Total:							**7905.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
6954	**9646**	**7905**	**24504**	**6810**	**9762**	**7905**	**24478**

PASS

FORM 600A-2004R EnergyGauge® 4.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
Winter Base Points:			**17411.0**	**Winter As-Built Points:**						**17639.4**
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: Electric Heat Pump 41000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
17411.0		0.5540	9645.7	17639.4		1.00	1.250	0.443	1.000	9762.0

FORM 600A-2004R EnergyGauge® 4.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Point
.18	1777.0	20.17	6452.8	1.Double, Clear	N	2.0	6.0	56.0	24.58	1.00	1382.0
				2.Double, Clear	E	2.0	6.0	102.0	18.79	1.08	2032.0
				3.Double, Clear	S	2.0	6.0	26.0	13.30	1.26	435.0
				4.Double, Clear	W	2.0	6.0	30.0	20.73	1.04	648.0
				As-Built Total:				214.0			4497.0
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points
Adjacent	220.0	3.60	792.0	1. Frame, Wood, Exterior			13.0	1298.0	3.40		4406.4
Exterior	1298.0	3.70	4795.2	2. Frame, Wood, Adjacent			13.0	220.0	3.30		726.0
Base Total:	1518.0		5587.2	As-Built Total:				1518.0			5132.4
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points
Adjacent	18.0	11.50	207.0	1.Exterior Insulated				44.0	8.40		369.6
Exterior	44.0	12.30	541.2	2.Adjacent Insulated				18.0	8.00		144.0
Base Total:	62.0		748.2	As-Built Total:				62.0			513.6
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	1777.0	2.05	3642.8	1. Under Attic			30.0	1777.0	2.05 X	1.00	3642.8
				2. Under Attic			19.0	228.0	2.70 X	1.00	615.6
Base Total:	1777.0		3642.8	As-Built Total:				2005.0			4258.4
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points
Slab	228.0(p)	8.9	2029.2	1. Slab-On-Grade Edge Insulation			0.0	228.0(p	18.80		4286.4
Raised	0.0	0.00	0.0								
Base Total:			2029.2	As-Built Total:				228.0			4286.4
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points
	1777.0	-0.59	-1048.4					1777.0	-0.59		-1048.4

FORM 600A-2004R EnergyGauge® 4.5

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT					
Summer Base Points: 21396.2				**Summer As-Built Points:**					**20951.5**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
				(sys 1: Central Unit 42000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
				20951	1.00	(1.09 x 1.147 x 1.00)	0.260	1.000	6810.5
21396.2	**0.3250**	**6953.8**		**20951.5**	**1.00**	**1.250**	**0.260**	**1.000**	**6810.5**

FORM 600A-2004R EnergyGauge® 4.5

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE / AS-BUILT

GLASS TYPES

BASE

.18 X	Conditioned Floor Area	X BSPM	= Points
.18	1777.0	18.59	5946.8

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF =	Points
1.Double, Clear	N	2.0	6.0	56.0	19.20	0.90	987.0
2.Double, Clear	E	2.0	6.0	102.0	42.06	0.85	3636.0
3.Double, Clear	S	2.0	6.0	26.0	36.87	0.78	723.0
4.Double, Clear	W	2.0	6.0	30.0	38.52	0.85	981.0
As-Built Total:				214.0			6309.0

WALL TYPES

BASE

WALL TYPES	Area X	BSPM =	Points
Adjacent	220.0	0.70	154.0
Exterior	1296.0	1.70	2203.2
Base Total:	1516.0		2357.2

AS-BUILT

Type	R-Value	Area X	SPM =	Points
1. Frame, Wood, Exterior	13.0	1296.0	1.50	1944.0
2. Frame, Wood, Adjacent	13.0	220.0	0.60	132.0
As-Built Total:		1516.0		2076.0

DOOR TYPES

BASE

DOOR TYPES	Area X	BSPM =	Points
Adjacent	18.0	2.40	43.2
Exterior	44.0	6.10	268.4
Base Total:	62.0		311.6

AS-BUILT

Type	Area X	SPM =	Points
1.Exterior Insulated	44.0	4.10	180.4
2.Adjacent Insulated	18.0	1.60	28.8
As-Built Total:	62.0		209.2

CEILING TYPES

BASE

CEILING TYPES	Area X	BSPM =	Points
Under Attic	1777.0	1.73	3074.2
Base Total:	1777.0		3074.2

AS-BUILT

Type	R-Value	Area X	SPM X SCM =	Points
1. Under Attic	30.0	1777.0	1.73 X 1.00	3074.2
2. Under Attic	19.0	228.0	2.34 X 1.00	533.5
As-Built Total:		2005.0		3607.7

FLOOR TYPES

BASE

FLOOR TYPES	Area X	BSPM =	Points
Slab	228.0(p)	-37.0	-8436.0
Raised	0.0	0.00	0.0
Base Total:			-8436.0

AS-BUILT

Type	R-Value	Area X	SPM =	Points
1. Slab-On-Grade Edge Insulation	0.0	228.0(p	-41.20	-9393.6
As-Built Total:		228.0		-9393.6

INFILTRATION

BASE

INFILTRATION	Area X	BSPM =	Points
	1777.0	10.21	18143.2

AS-BUILT

	Area X	SPM =	Points
	1777.0	10.21	18143.2

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.5

The higher the score, the more efficient the home.

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?	Yes	__
6. Conditioned floor area (ft²)	1777 ft²	__
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor:	Description Area	
(or Single or Double DEFAULT) 7a.	(Dble Default) 214.0 ft²	__
b. SHGC:		
(or Clear or Tint DEFAULT) 7b.	(Clear) 214.0 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 228.0(p) ft	__
b. N/A		
c. N/A		__
9. Wall types		
a. Frame, Wood, Exterior	R=13.0, 1296.0 ft²	__
b. Frame, Wood, Adjacent	R=13.0, 220.0 ft²	__
c. N/A		__
d. N/A		__
e. N/A		__
10. Ceiling types		
a. Under Attic	R=30.0, 1777.0 ft²	__
b. Under Attic	R=19.0, 228.0 ft²	__
c. N/A		__
11. Ducts		
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 224.0 ft	
b. N/A		__

12. Cooling systems		
a. Central Unit	Cap: 42.0 kBtu/hr	
	SEER: 13.00	__
b. N/A		__
c. N/A		__
13. Heating systems		
a. Electric Heat Pump	Cap: 41.0 kBtu/hr	
	HSPF: 7.70	__
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)		

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

Builder Signature: ______________________ Date: ______________

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

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

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

EnergyGauge® (Version: FLRCSB v4.5)

wrightsoft

Project Summary
Entire House
Touchstone Heating and Air, Inc.

Job: 441 Spec
Date: Feb 19, 2007
By: TE

P.O. Box 327, Lake Butler, Fl 32054 Phone: 386-496-3467 Fax: 386-496-3147

Project Information

For: Stephen Crawford
P.O. Box 1330, Lake City, Fl 32056
Phone: 386-755-5068 Fax: 386-758-9500

Notes:

Design Information

Weather: Jacksonville, Cecil Field NAS, FL, US

Winter Design Conditions

Outside db	34 °F
Inside db	70 °F
Design TD	36 °F

Summer Design Conditions

Outside db	95 °F
Inside db	75 °F
Design TD	20 °F
Daily range	M
Relative humidity	50 %
Moisture difference	40 gr/lb

Heating Summary

Structure	16051 Btuh
Ducts	7017 Btuh
Central vent (41 cfm)	1634 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	24702 Btuh

Sensible Cooling Equipment Load Sizing

Structure	18694 Btuh
Ducts	9166 Btuh
Central vent (41 cfm)	908 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	1.00
Equipment sensible load	28788 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1765	1768
Volume (ft³)	16552	16552
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	105	55

Latent Cooling Equipment Load Sizing

Structure	2306 Btuh
Ducts	1620 Btuh
Central vent (41 cfm)	1131 Btuh
Equipment latent load	5060 Btuh
Equipment total load	33847 Btuh
Req. total capacity at 0.70 SHR	3.4 ton

Heating Equipment Summary

Make Trane
Trade
Model 2TWA3042A3

Efficiency	8 HSPF
Heating input	
Heating output	36400 Btuh @ 47°F
Temperature rise	25 °F
Actual air flow	1317 cfm
Air flow factor	0.057 cfm/Btuh
Static pressure	0.00 in H2O
Space thermostat	

Cooling Equipment Summary

Make Trane
Trade
Cond 2TWA3042A3
Coil TXC065S3

Efficiency	13 SEER
Sensible cooling	27650 Btuh
Latent cooling	11850 Btuh
Total cooling	39500 Btuh
Actual air flow	1317 cfm
Air flow factor	0.047 cfm/Btuh
Static pressure	0.00 in H2O
Load sensible heat ratio	0.85

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

25661

Inst:2007006009 Date:03/14/2007 Time:14:21
DC,P.DeWitt Cason,Columbia County B:1113 P:1664

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

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.

Tax Parcel ID Number 22-5S-17-09328-008 PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
(See Warranty Deed) -
(Address - 911)
11085 S US Hwy 441
Lake City, FL 32025

2. General description of improvement: New Home

3. Owner Name & Address Stephen Crawford 11736 S US Hwy 441
Lake City, FL 32025 Interest in Property _____

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name Stephen Crawford Const, Inc. Phone Number (386) 755-5068
Address 11736 S US Hwy 441 Lake City, FL 32025

6. Surety Holders Name _____ Phone Number _____
Address _____
Amount of Bond _____

7. Lender Name None Phone Number _____
Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7: Florida Statutes:
Name _____ Phone Number _____
Address _____

9. In addition to himself/herself the owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner

Sworn to (or affirmed) and subscribed before day of MARCH 14 20 07

NOTARY STAMP/SEAL:

BARBARA A. SAUNDERS
MY COMMISSION # DD 294157
EXPIRES: February 26, 2009
Bonded Thru Notary Public Underwriters

Barbara A. Saunders
Signature of Notary

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32256

Tel. (904) 755-3633 • Fax (904) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

25661

"Excellence in Engineering & Geoscience"

JOB NO: 07-191

DATE TESTED: 3/28/07

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ✓ **D-2922 (Nuclear)** ___ **D-2937 (Drive Cylinder)** ___ **Other**_____

PROJECT: Marion City Spec House

CLIENT: Stephen Crawford Const.

GENERAL CONTRACTOR: SAC **EARTHWORK CONTRACTOR:** SAC

SOIL USE: 1 **SPECIFICATION REQUIREMENTS:** 95%

TECHNICIAN: C. Day

MODIFIED (ASTM D-1557): ✓ **STANDARD (ASTM D-698):** _____

TEST NO.	TEST LOCATION	TEST ___DEPTH ___ELEV. ___LIFT#	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST. PERCENT	% MAX.DENS.
1	N.E. Corner 20' S. 20' W.	12"	2	112.8	107.9	4.6	99
2	S.E. Corner 20' N. 20' W.	12"	2	109.2	104.0	5.0	95
3	N.W. Corner 20' S. 20' E.	12"	2	111.7	105.7	5.7	97
4	S.W. Corner 30' E. 20' N.	12"	2	110.9	104.9	5.7	96

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT.MOIST.
2	Ref. to Job # 07-170	109.4	10.5

NOTE: SOIL USES: 1. Building Pad Fill 2. Trench Backfill 3. Base Course 4. Subbase-Stabilized Subgrade 5. Embankment
6. Subgrade - Natural Soil 7. Other

CERTIFICATE OF

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 22-5S-17-09328-008 **Building permit No.** 000025661

Use Classification SFD,UTILITY **Fire:** 57.78

Permit Holder STEPHEN CRAWFORD **Waste:** 150.75

Owner of Building STEPHEN CRAWFORD **Total:** 208.53

Location: 11085 S US HIGHWAY 441, LAKE CITY, FL

COLUMBIA COUNTY GATEWAY TO FLORIDA

Did not pay
11/17/08

Date: 01/14/2008

Harry Dicks

Building Inspector

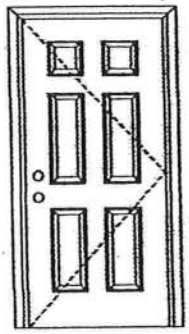
POST IN A CONSPICUOUS PLACE
(Business Places Only)

X
Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

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

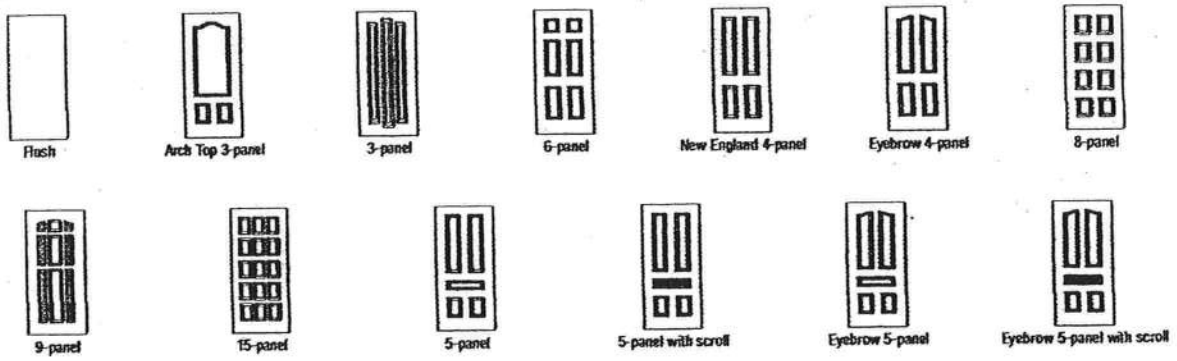
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0011-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:



Johnson EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite
Masonite International Corporation

X
Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

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 PA201, PA202 and PA203.

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.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

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 Balthy

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

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson EntrySystems

June 17, 2002
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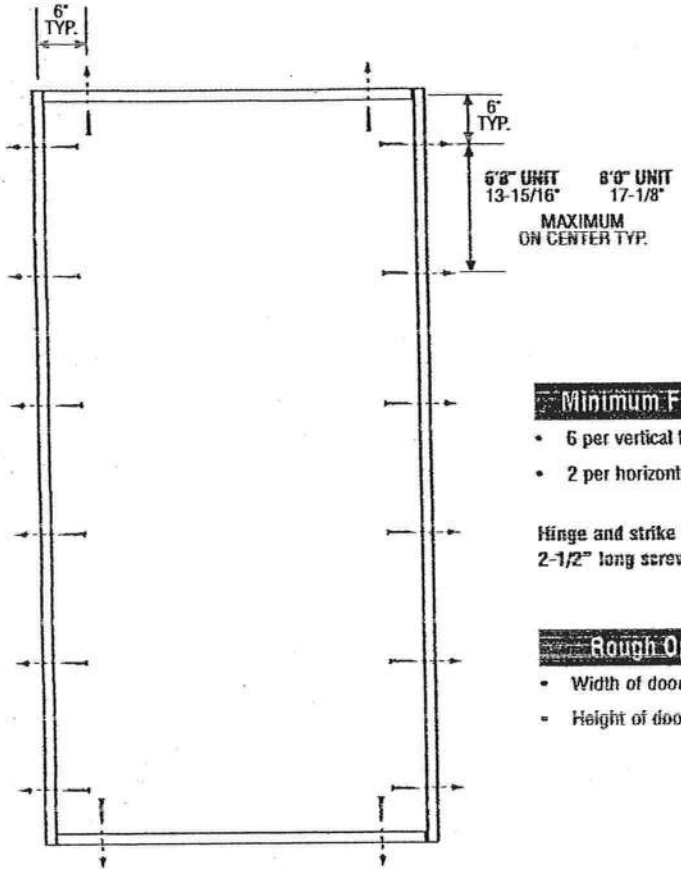
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite
Masonite International Corporation

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

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

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3146, 3166, 3241*, 3246, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

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/AF & PA 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 Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

STRUCTURAL VERTICAL MULLION - NAIL FIN type 650 SH / PW

MULLION PART # CM-65130

NOTE: If adding a transom, roundhead, etc., saw 1/4" off the top of the mull before joining units and refer to horizontal mull instruction sheet.

Step 1. Strip fins from windows where mulls are to be used.

Step 2. Apply a bead of caulk in the mull to seal against window jambs.

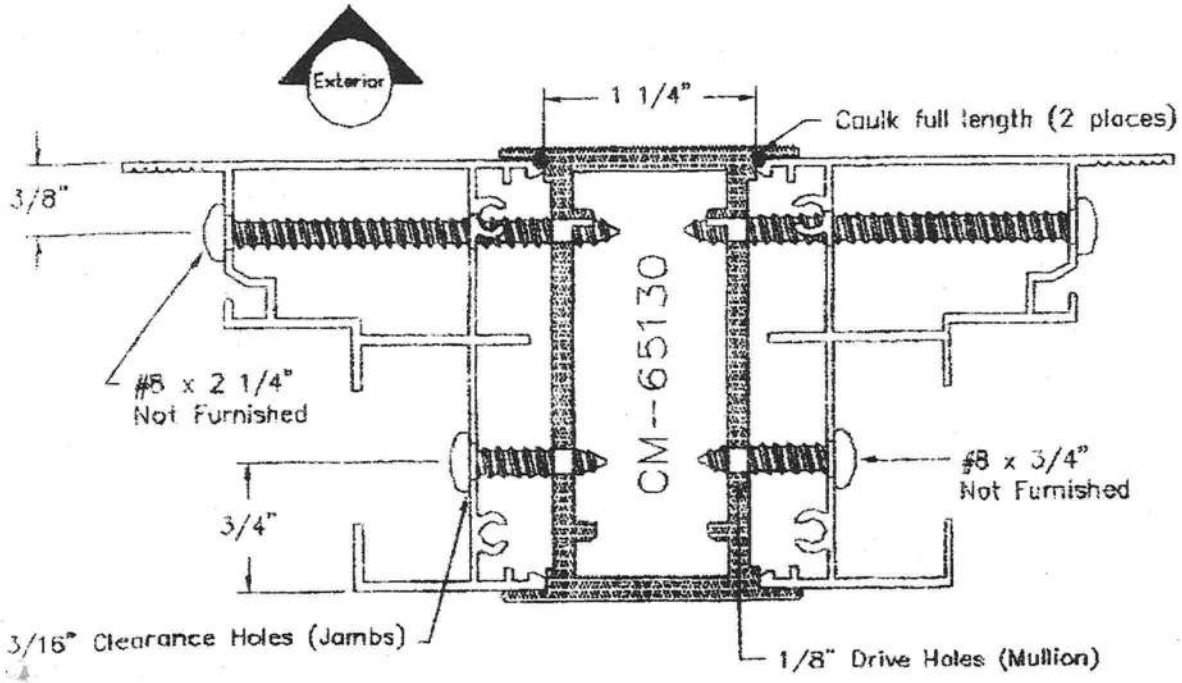
Step 3. Place windows and mullions together as shown below.

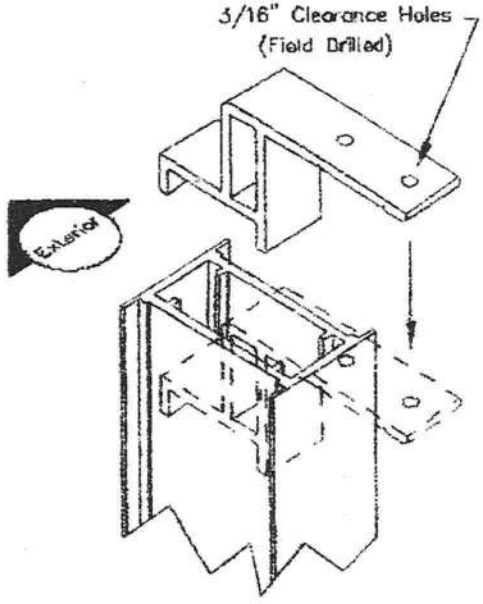
Step 4. The single hung jamb has an exterior track (screen area – bottom half of window) and an interior track (operating sash – upper half of window). In these areas only, drill 1/8" pilot holes through the jambs into the mullion, then re-drill the jambs only with 3/16" clearance holes. Holes should be spaced evenly on approximately 12" to 16" centers.

Step 5. Attach windows to mullion using #8 x 2 1/4" sheet metal screws (not included) through drilled holes in bottom half below. Attach using # 8 x 3/4" screws in top half as shown. To avoid jamb distortion, do not overtighten screws.

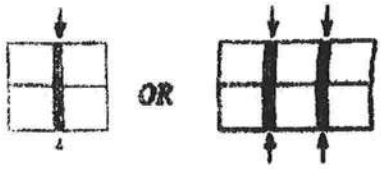
Step 6. The gap between window jambs at the top must be flashed and caulked and preferably be covered by construction / overhang to prevent water leakage.

Step 7. Before lifting into rough opening, drill two holes in each clip and insert into each end of mull as shown below with tab pointing to inside. Fasten each clip tab to construction with two #10 x 1 1/2" screws for structural integrity.





NOTE: SEE REVERSE SIDE FOR FASTENING REQUIREMENTS.



MI HOME PRODUCTS

VERTICAL MULLION DESIGN LOAD CAPACITIES FOR ALUMINUM TUBE MULLION (DIE # CM-65130)

WDW. WIDTH > MULLION SPAN V	19.125	24.000	26.500	36.000	37.000	48.000	53.125
36.000	576	506	483	450	450	450	450
37.375	528	461	439	402	402	402	402
48.000	291	248	233	198	196	186	186
50.625	245	208	194	164	162	151	150
60.000	142	119	111	91	89	79	77
63.000	122	102	94	77	75	66	64
72.000	80	66	61	49	48	41	39
72.250	79	65	60	48	48	41	39

CHART APPLIES ONLY TO EXTRUDED ALUMINUM MULLION (DIE NO: CM-65130)
READ WINDOW WIDTH AND HEIGHT IN INCHES.
DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.
WINDOW WIDTH DIMENSIONS REPRESENT THE WIDTH OF EACH WINDOW IN A SINGLE OPENING, NOT THE OVERALL WID THE OPENING.
DESIGN PRESSURE VALUES SHOWN ON THE ABOVE CHART IS NOT LIMITED TO ONLY TWO WINDOWS IN A SINGLE OPENI CAPACITIES APPLY TO ANY NUMBER OF WINDOWS IN A SINGLE OPENING. PROVIDED WINDOW WIDTH AND MULLION SPA ARE NOT EXCEEDED.
Dmax = L / 175
INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY:
PRODUCT TECHNOLOGY CORPORATION
280 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0366 / FAX 407 805-0366

STRUCTURAL HORIZONTAL MULLION - NAIL FIN type 650 SH / PW

NOTE: If you are stacking a single unit over another single unit, such as a roundhead over a single hung, NO HORIZONTAL MULL IS REQUIRED.

IMPORTANT ! Before you begin, 1/4" must be sawed off the top end of the vertical mullion before the lower windows are twinned. Follow all steps on vertical mull instruction sheet first.

Note: • Overall length of mull is to be the same as the overall frame to frame dimension of the mulled units below, including the vertical mull. EXAMPLE: For twin 3'-0", mull length will be 35 1/8" window + 1 1/4" mull + 35 1/8" window = 71 1/2".

Step 1. Strip fins from head of windows to be mounted below transom.

Step 2. Place windows and mulls together as shown below.

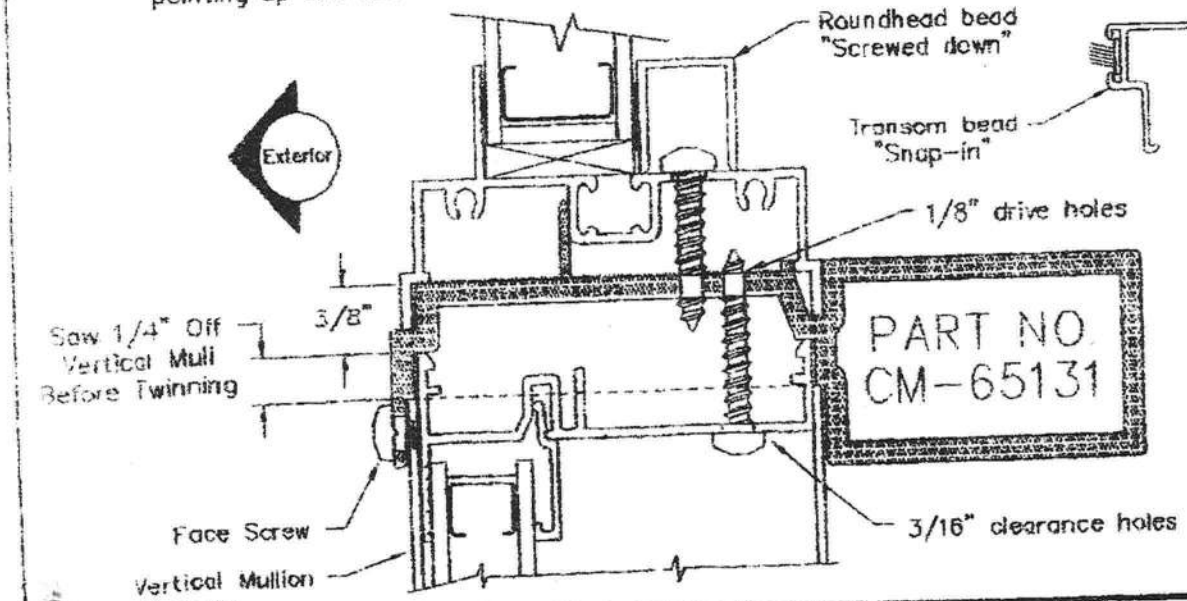
Step 3. Remove bottom glazing bead from transom / roundhead. With a 1/8" drill bit, pre-drill down through the sill and into the mullion. Re-drill sill hole only to 3/16". Fasten with #8 X 1" sheet metal screws (not included).

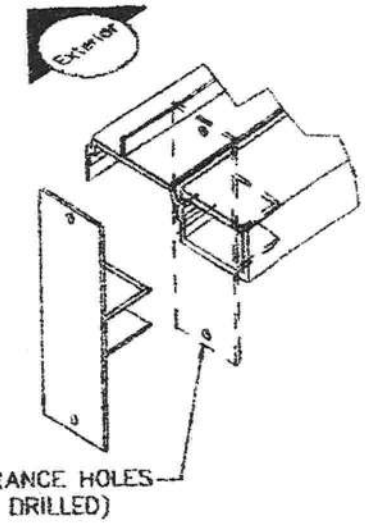
Step 4. Again with the 1/8" drill, drill up through the heads of the lower units into the mull. Re-drill heads of lower unit with 3/16" drill and fasten with #8 x 1" sheet metal screws.

PLACE SCREWS 3" FROM EACH END AND DO NOT EXCEED 18" SPACING OF REMAINING SCREWS.

Step 5. The vertical mull "telescopes" 3/8" into the underside of the horizontal mull to lock it in place structurally. To fasten, drill a 1/8" hole, as shown below, through the horizontal mull and vertical mull. Re-drill the horizontal mull only with 3/16" bit and fasten with a "face" screw. For best appearance, countersink and use a flathead screw.

Step 6. Before lifting into rough opening, drill two holes in each clip and insert into each end of mull as shown below with tabs pointing up and down. Fasten each clip tab to construction with two #10 X 1 1/2" screws for structural integrity.

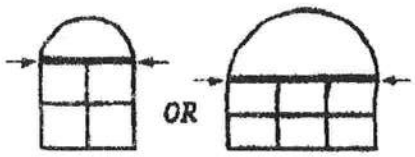




NOTE: SEE REVERSE SIDE FOR FASTENING REQUIREMENTS.

MI HOME PRODUCTS

HORIZONTAL MULLION DESIGN LOAD CAPACITIES
FOR EXTRUDED ALUMINUM TUBE MULLION (CM-65131)
WHEN USED FOR MULLING TRANSOM



MULL SPAN > WDW. HGT. V	48.000	53.000	72.000	74.000	96.000	106.250	108.000
26.000	338	260	115	107	53	37	35
36.000	309	235	103	96	48	33	31
38.375	305	231	101	94	47	33	31
48.000	298	222	94	87	43	30	28
50.625	298	221	93	86	43	30	28
60.000	298	221	90	83	40	28	26
63.000	298	221	89	82	40	28	26
72.000	298	221	88	81	39	27	25
72.250	298	221	88	81	39	27	25

NOTES:
- CHART APPLIES ONLY TO EXTRUDED ALUMINUM MULLION (CM-65131) USED HORIZONTALLY.
- CHART ASSUMES TRANSOM HEIGHT TO BE ONE HALF MULLION SPAN.
- WINDOW HEIGHTS SHOWN ON "Y" AXIS OF CHART DESIGNATE HEIGHT OF WINDOWS BELOW MULLION AND DO NOT INCLUDE TRAMSOM HEIGHT.
- READ MULLION SPAN AND WINDOW HEIGHT IN INCHES.
- DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.
- DESIGN LOAD CAPACITIES SHOWN ON THIS CHART DO NOT CONSIDER ANY STRENGTH WHICH MAY BE OBTAINED FROM FRAME MEMBERS OF ADJACENT WINDOWS.
- Dmax = L / 175
- INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY:
PRODUCT TECHNOLOGY CORPORATION
250 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0365 / FAX 407 805-0366

SELF STACKING SILL - NAIL FIN type

SILL PART No. CM-45026

650 SH / PW

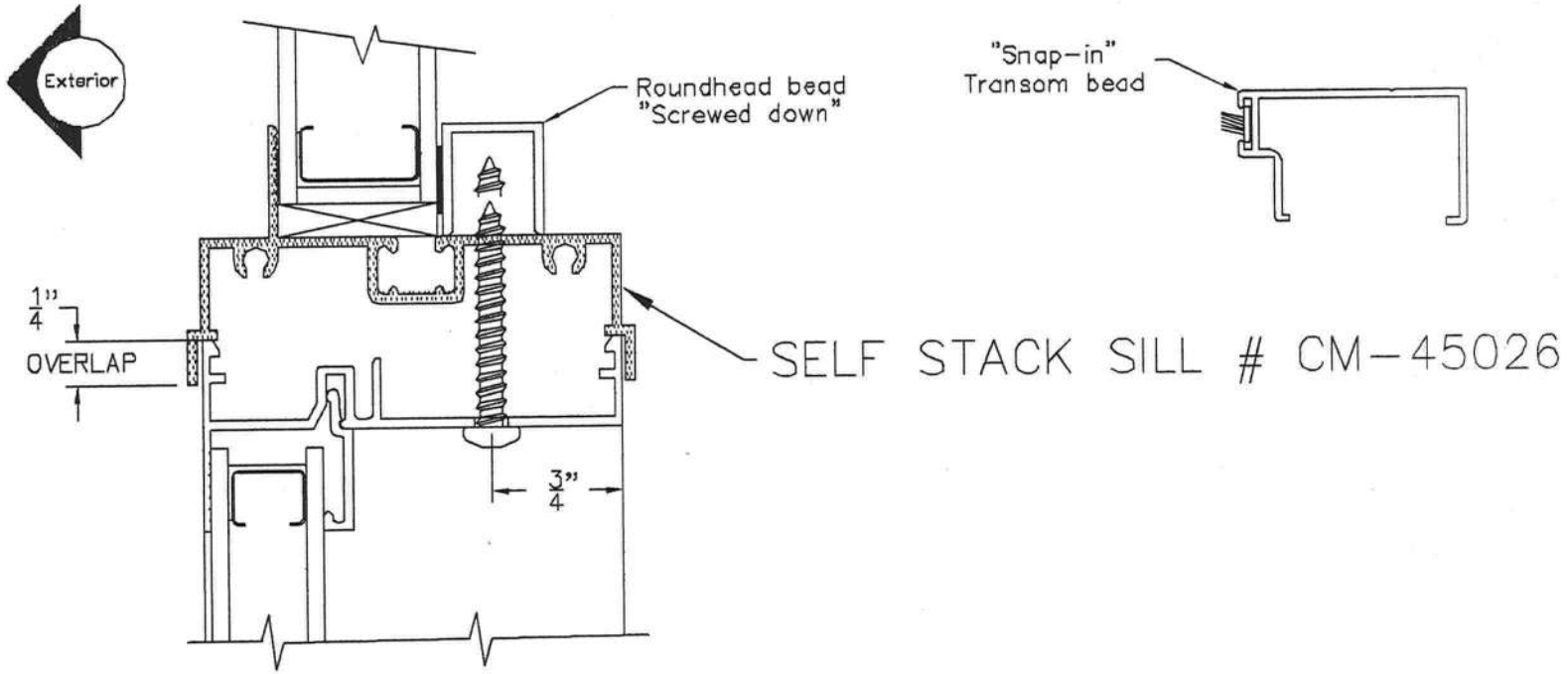
Step 1. Strip fin from head of window to be mounted below the transom / roundhead.

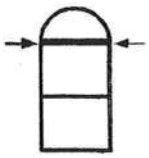
Step 2. Place windows together as shown below.

Note: Place attachment screws 3/4" in from the inside face of the window so the screw points come out under the glazing bead and are concealed.

PLACE SCREWS 3" FROM EACH END AND DO NOT EXCEED 18" SPACING OF REMAINING SCREWS.

Step 3. With the 1/8" drill, drill up through the head of the lower unit into the sill of the transom. Re-drill head of lower unit with 3/16" drill and fasten with #8 x 1 1/4" or 1 1/2" sheet metal screws. Do not over tighten screws as distortion could occur.





MI HOME PRODUCTS

HORIZONTAL MULLION DESIGN LOAD CAPACITIES

FOR EXTRUDED ALUMINUM STACKING MULLION (CM-45026)
WHEN USED FOR MULLING TRANSOM OVER A SINGLE WINDOW

MULL SPAN > WDW. HGT. V	19.125	24.000	26.500	36.000	37.000	48.000	53.125
26.000	608	308	229	95	88	44	33
36.000	608	308	229	91	84	40	30
38.375	608	308	229	91	84	39	30
48.000	608	308	229	91	84	38	29
50.625	608	308	229	91	84	38	28
60.000	608	308	229	91	84	38	28
63.000	608	308	229	91	84	38	28
72.000	608	308	229	91	84	38	28
72.250	608	308	229	91	84	38	28

NOTES:

* CHART APPLIES ONLY TO EXTRUDED ALUMINUM MULLION (CM-45026) USED HORIZONTALLY.
* CHART ASSUMES TRANSOM HEIGHT TO BE ONE HALF MULLION SPAN.
* WINDOW HEIGHTS SHOWN ON "Y" AXIS OF CHART DESIGNATE HEIGHT OF WINDOWS BELOW MULLION AND DO NOT INCLUDE TRAMSOM HEIGHT.
* READ MULLION SPAN AND WINDOW HEIGHT IN INCHES.
* DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.
* DESIGN LOAD CAPACITIES SHOWN ON THIS CHART DO NOT CONSIDER ANY STRENGTH WHICH MAY BE OBTAINED FROM FRAME MEMBERS OF ADJACENT WINDOWS.
* Dmax = L / 175
* INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY:
PRODUCT TECHNOLOGY CORPORATION
250 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0365 / FAX 407 805-0366

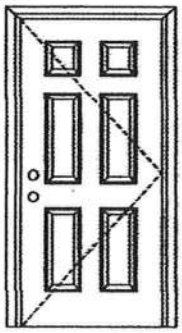
04-1302

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

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

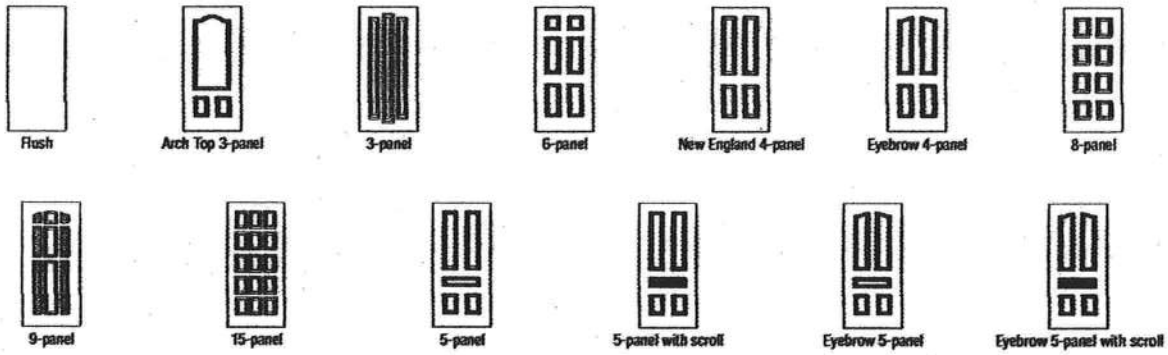
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:



Johnson EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

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.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

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 Balthazor

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

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

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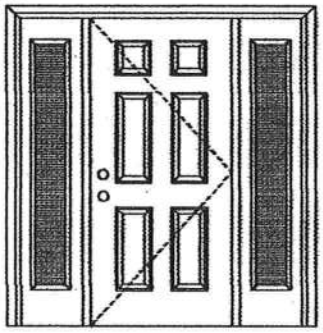
Masonite International Corporation

OXO
Opaque Inswing Unit

COP-WL-JH4104-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information – available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Single Door with 2 Sidelites
Maximum unit size = 9'0" x 6'8"

Design Pressure

+57.0/-57.0 with maximum sidelite panel width of 1'2"
+45.0/-45.0 with maximum sidelite panel width of 3'0"
limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED on opaque panels, but is required on glazed panels.

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

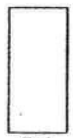
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

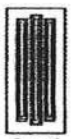
MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0004-02.

APPROVED DOOR STYLES:


Flush


Arch Top 3-panel


3-panel


6-panel


New England 4-panel


Eyebrow 4-panel


8-panel


9-panel


15-panel


5-panel


5-panel with scroll


Eyebrow 5-panel


Eyebrow 5-panel with scroll

Johnson™ EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

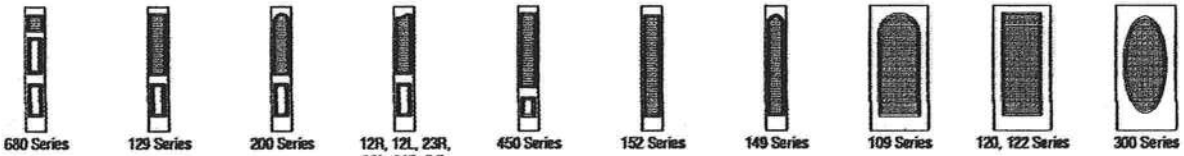
Exclusively from Masonite®
Masonite International Corporation

OXO
Opaque Inswing Unit

COP-WL-JH4104-02

WOOD-EDGE STEEL DOORS

APPROVED SIDELITE STYLES:



680 Series | 129 Series | 200 Series | 12R, 12L, 23R, 23L, 24R, 24L Series | 450 Series | 152 Series | 149 Series | 109 Series | 120, 122 Series | 300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL-210-1880-7, 9, 10, 12; NCTL 210-2185-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

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. Sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

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 Balthy

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

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002
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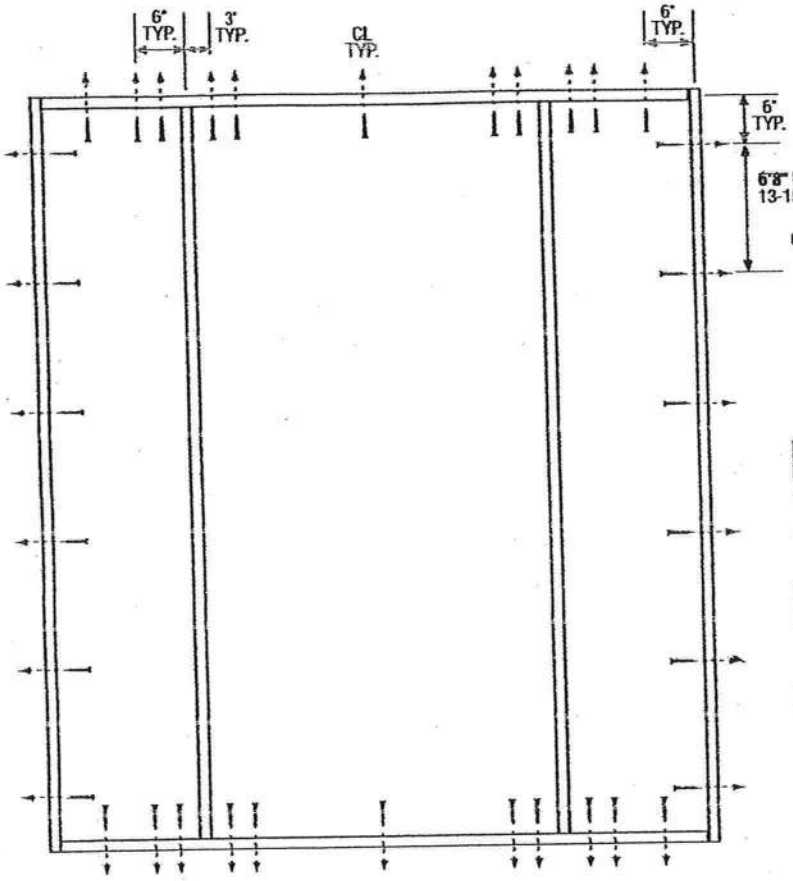
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

OXO
Unit

MID-WL-MA0004-02

SINGLE DOOR WITH 2 SIDELITES



Minimum Fastener Count

- 6 per vertical framing member
- 11 per horizontal framing member

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

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Wemock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3244*, 3249, 3264* or 3269**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

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/AF & PA 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 Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

ALLEN M. REEVES
No. 13754
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen M. Reeves
1 APRIL 2002

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen M. Reeves
1 APRIL 2002

REEVES NO. 18354 STATE OF FLORIDA PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
CERTIFICATE
NO. 18334
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1 6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max

***Note #1**: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.*

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
CERTIFICATE
NO. 13[illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987)		
	In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen)		
	WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97)		
	(Measurements reported were taken on the meeting rail)		
	(Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

Uniform Load Structural (ASTM E 330-97)		
(Measurements reported were taken on the meeting rail)		
(Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	0.18" max.
@ 70.8 psf (negative)	0.05"	0.18" max.

ALLEN N. REEVES
CERTIFICATE NO. 18354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

MAH:nlb
01-41134.01

ALLEN N. REEVES
CERTIFICATE
NO. 12
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS	Johnson Entg Sys	PremDor Collection	
A. SWINGING		Swinging Exterior Doors	FL 4242-R1
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Capitol	Capitol 650 series	
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	Hardi-Board	Hardi-Board Siding	FL 889-R1
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	EIK	Raised Profile 30 year Warr.	FL 586-R2
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson	LSTA18 Wood Connector	FL 474-R1
B. WOOD ANCHORS	Simpson	LTT131 Wood Anchors	FL 1901-R2
C. TRUSS PLATES	Simpson	H16 Truss Anchor	FL 5805
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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

APPLICANT SIGNATURE

03/14/07
DATE

R-1305 01-04

Notice of Treatment 12505

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: BAYA AVE
City LAKE City Phone 752-1703

Site Location: Subdivision N/A
Lot # 1-17 Block# _____ Permit # 25661
Address 11085 S US Hwy 441

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☑ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☑ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	2905	888	7

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

5/31/07 Date
1100 Time
James D Parker (F250) Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

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
 Document ID:1T4Q8228Z0309155017

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-049--Stephen Crawford Construc SPEC HOUSE -- , **
Truss Count:	60
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.24, 7.25.
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

Seal Date: 02/09/2007

-Truss Design Engineer-
Arthur P. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

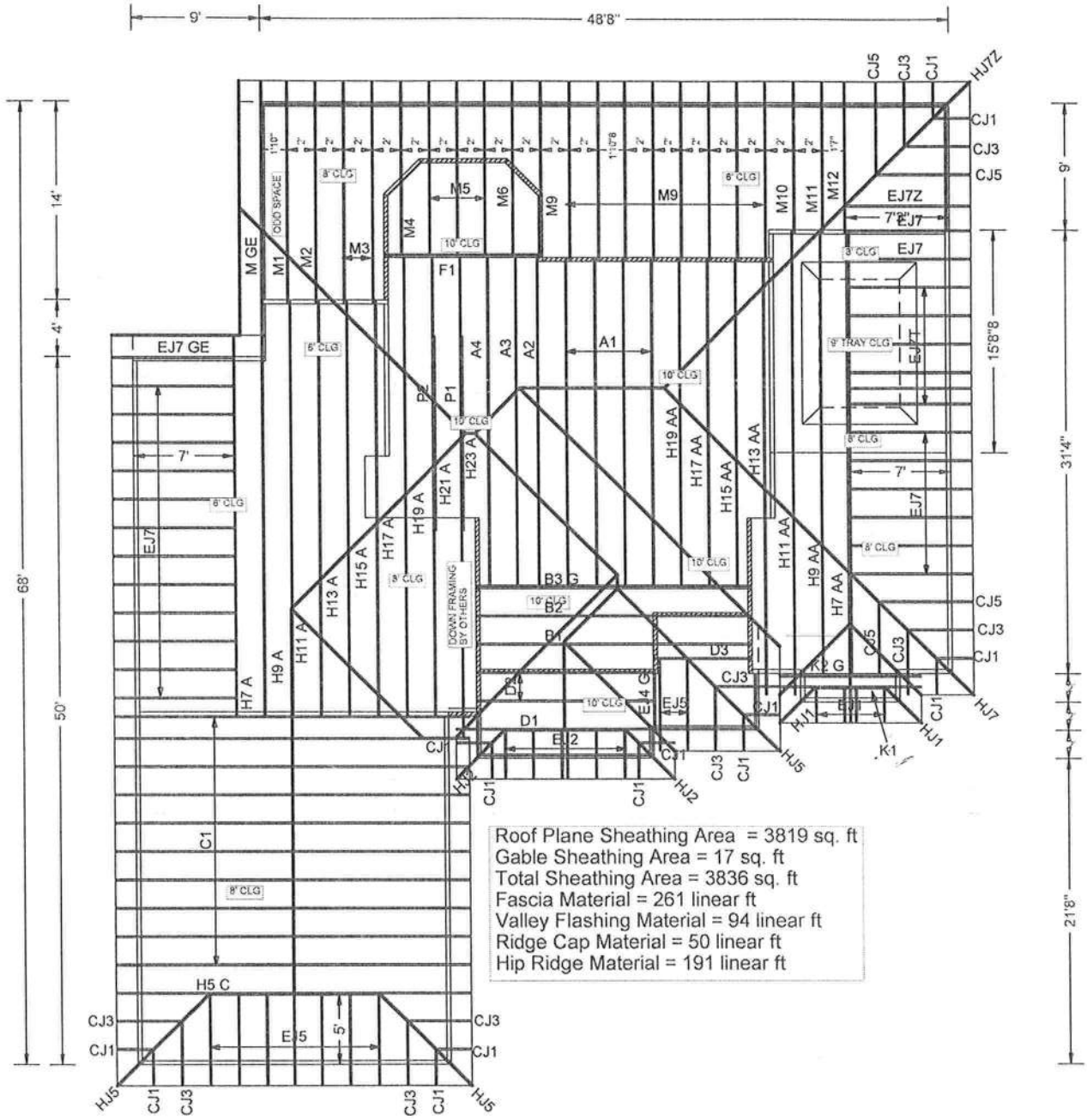
Notes:

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

Details: BRCLBSUB-BCFILLER-A11015EE-GBLLETIN-PIGBACKA-PIGBACKB-

#	Ref Description	Drawing#	Date
1	70647--H7 A	07040061	02/09/07
2	70648--H7 AA	07040073	02/09/07
3	70649--H9 A	07040074	02/09/07
4	70650--H11 A	07040075	02/09/07
5	70651--H13 A	07040076	02/09/07
6	70652--H15 A	07040077	02/09/07
7	70653--H17 A	07040078	02/09/07
8	70654--H19 A	07040079	02/09/07
9	70655--H9 AA	07040080	02/09/07
10	70656--H11 AA	07040081	02/09/07
11	70657--H13 AA	07040082	02/09/07
12	70658--H15 AA	07040083	02/09/07
13	70659--H17 AA	07040084	02/09/07
14	70660--H19 AA	07040085	02/09/07
15	70661--A1	07040086	02/09/07
16	70662--A2	07040087	02/09/07
17	70663--A3	07040088	02/09/07
18	70664--A4	07040089	02/09/07
19	70665--H21 A	07040090	02/09/07
20	70666--H23 A	07040091	02/09/07
21	70667--B3 G	07040092	02/09/07
22	70668--B1	07040093	02/09/07
23	70669--B2	07040094	02/09/07
24	70670--C1	07040095	02/09/07
25	70671--H5 C	07040097	02/09/07
26	70672--D3	07040098	02/09/07
27	70673--D1	07040099	02/09/07
28	70674--D2	07040070	02/09/07
29	70675--F1	07040104	02/09/07
30	70676--EJ5	07040072	02/09/07
31	70677--CJ3	07040062	02/09/07
32	70678--HJ5	07040096	02/09/07
33	70679--HJ7Z	07040105	02/09/07
34	70680--HJ7	07040064	02/09/07
35	70681--CJ1	07040063	02/09/07
36	70682--HJ2	07040065	02/09/07

#	Ref Description	Drawing#	Date
37	70683--EJ7	07040060	02/09/07
38	70684--EJ7 GE	07040066	02/09/07
39	70685--CJ5	07040079	02/09/07
40	70686--EJ7T	07040067	02/09/07
41	70687--EJ7Z	07040068	02/09/07
42	70688--EJ2	07040069	02/09/07
43	70689--EJ4 G	07040071	02/09/07
44	70690--EJ1	07040109	02/09/07
45	70691--HJ1	07040110	02/09/07
46	70692--K2 G	07040111	02/09/07
47	70693--K1	07040112	02/09/07
48	70694--M1	07040113	02/09/07
49	70695--M2	07040114	02/09/07
50	70696--M3	07040115	02/09/07
51	70697--M4	07040100	02/09/07
52	70698--M5	07040101	02/09/07
53	70699--M6	07040102	02/09/07
54	70700--M9	07040103	02/09/07
55	70701--M10	07040108	02/09/07
56	70702--M11	07040107	02/09/07
57	70703--M12	07040106	02/09/07
58	70704--M GE	07040116	02/09/07
59	70705--P1	07040117	02/09/07
60	70706--P2	07040118	02/09/07



Roof Plane Sheathing Area = 3819 sq. ft
Gable Sheathing Area = 17 sq. ft
Total Sheathing Area = 3836 sq. ft
Fascia Material = 261 linear ft
Valley Flashing Material = 94 linear ft
Ridge Cap Material = 50 linear ft
Hip Ridge Material = 191 linear ft

STEPHEN CRAWFORD CONST.
SPEC JOB#7-049 02/09/07 JFB

JOB DESCRIPTION:: Stephen Crawford Construc
/: SPEC HOUSE

JOB NO:
7-049

PAGE NO:
1 OF 1

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H7 A)

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W10 2x4 SP #2 Dense:

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.

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.13" DL: 0.19" recommended camber 3/8"

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

Truss must be installed as shown with top chord up.

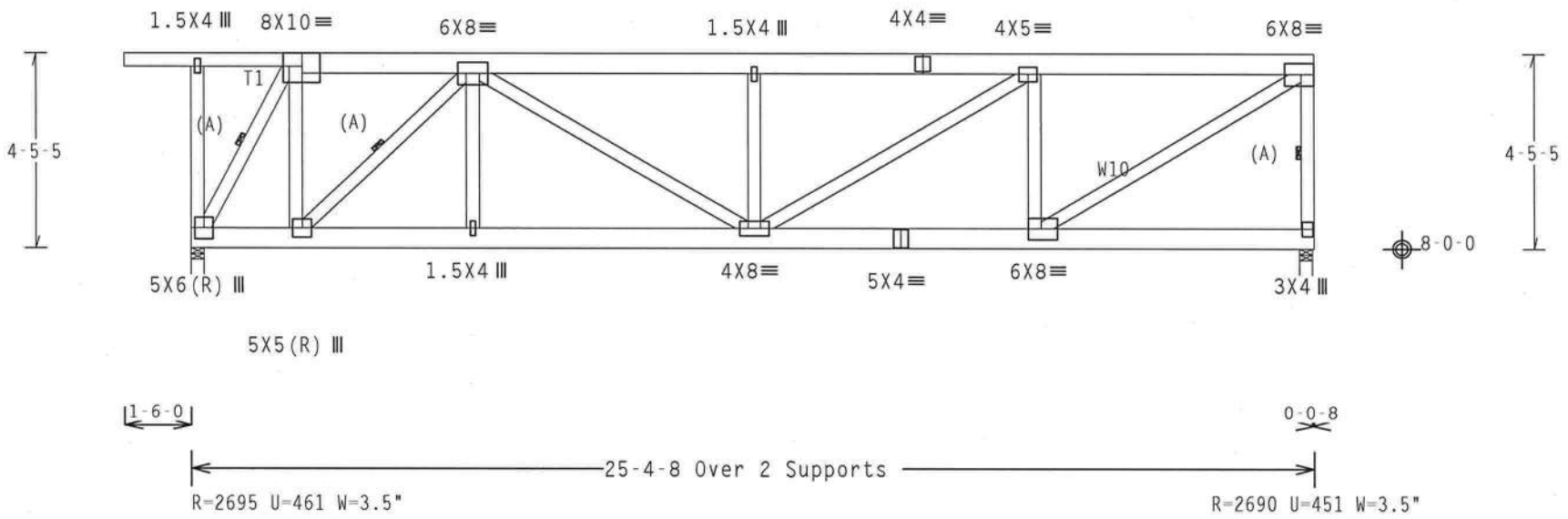
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 25.38
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 25.38
TC - 190 LB Conc. Load at 2.06, 4.06, 6.06, 8.06, 10.06 12.06, 14.06, 16.06, 18.06, 20.06, 22.06, 24.06
BC - 82 LB Conc. Load at 2.06, 4.06, 6.06, 8.06, 10.06 12.06, 14.06, 16.06, 18.06, 20.06, 22.06, 24.06

Roof overhang supports 2.00 psf soffit load.

(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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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

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 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70647
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040061
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20120
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
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 0.00 to 63 PLF at 7.00
TC - From 63 PLF at 7.00 to 63 PLF at 31.33
BC - From 20 PLF at 0.00 to 20 PLF at 17.63
BC - From 26 PLF at 17.63 to 26 PLF at 18.83
BC - From 20 PLF at 18.83 to 20 PLF at 27.84
BC - From 26 PLF at 27.84 to 26 PLF at 29.04
BC - From 20 PLF at 29.04 to 20 PLF at 31.33
TC - 190 LB Conc. Load at 7.06, 9.06, 11.06, 13.06, 15.06 17.06, 29.27
TC - 187 LB Conc. Load at 19.06, 20.17, 21.27, 23.27, 25.27 27.27
BC - 589 LB Conc. Load at 7.00
BC - 82 LB Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06 29.27
BC - 88 LB Conc. Load at 19.06, 20.17, 21.27, 23.27, 25.27 27.27

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

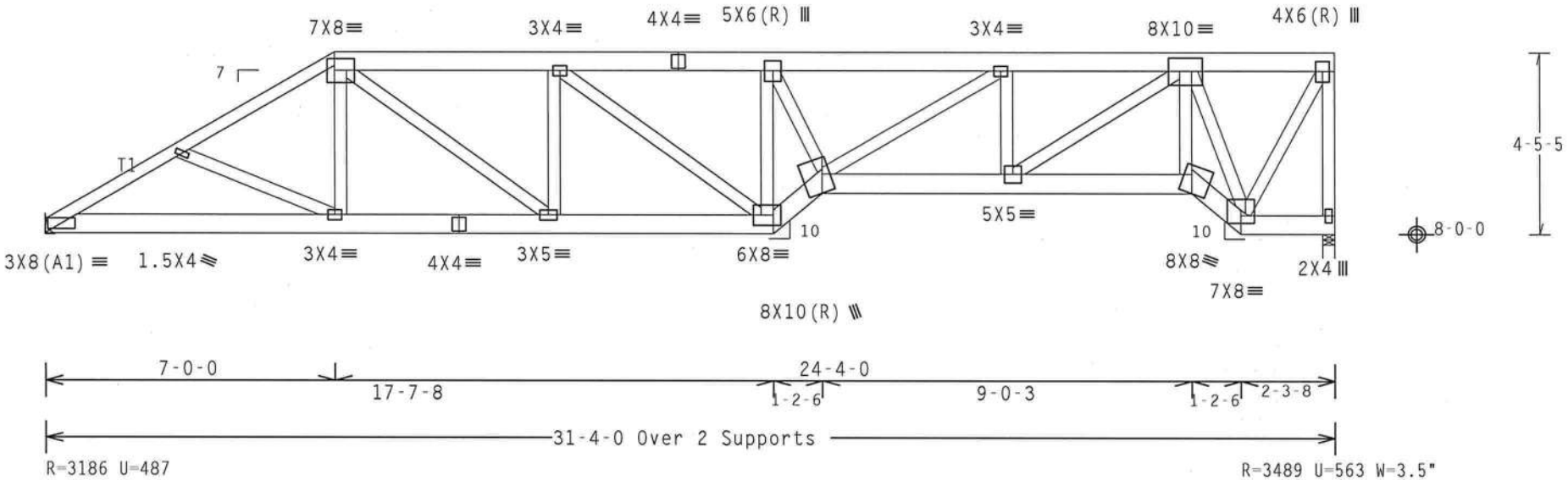
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.25"/Ft.

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

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

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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70648
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040073
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20261
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

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

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

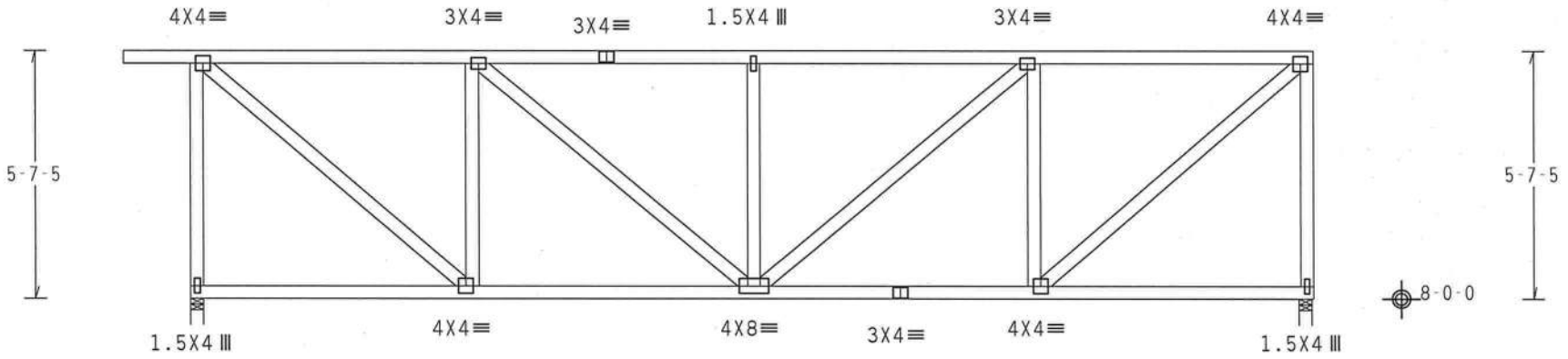
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up.

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.

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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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ARTHUR R. FISHER
LICENSE
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70649
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040074
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20124
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H11 A)

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

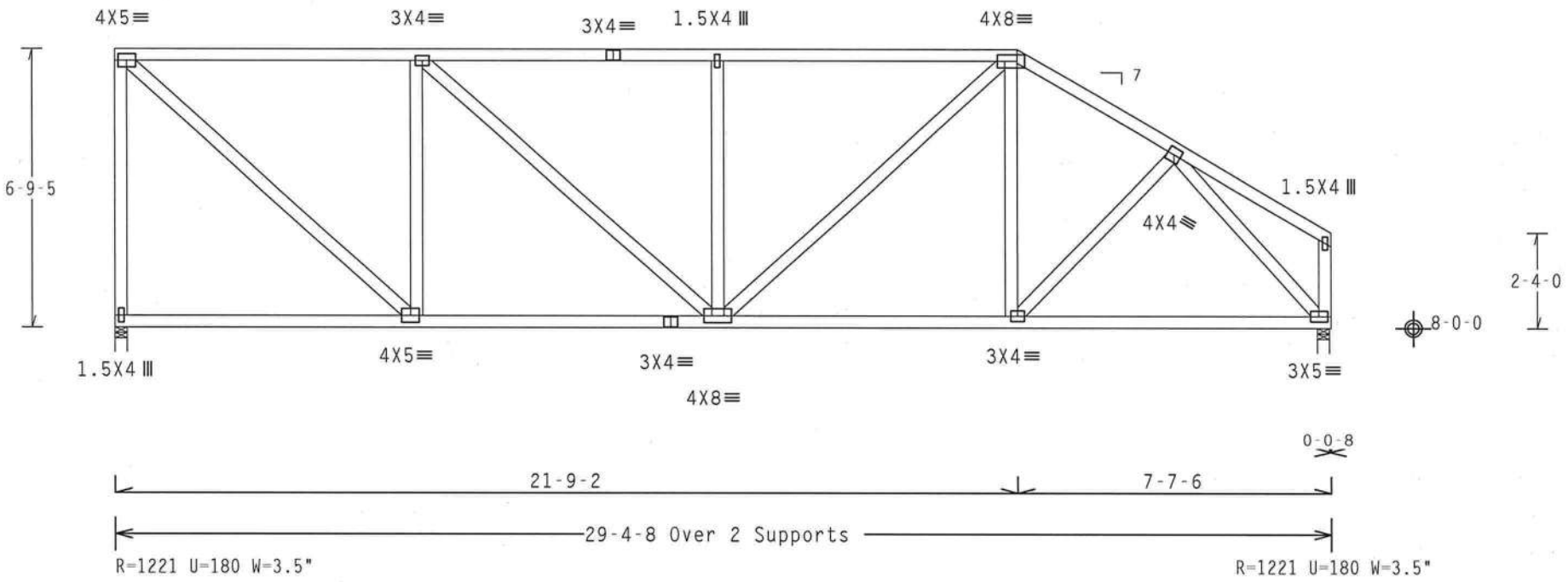
Wind reactions based on MWFRS pressures.

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.

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

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

ALPINE

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

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

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TC LL	20.0 PSF	REF R8228- 70650
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040075
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20128
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H13 A)

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

Wind reactions based on MWFRS pressures.

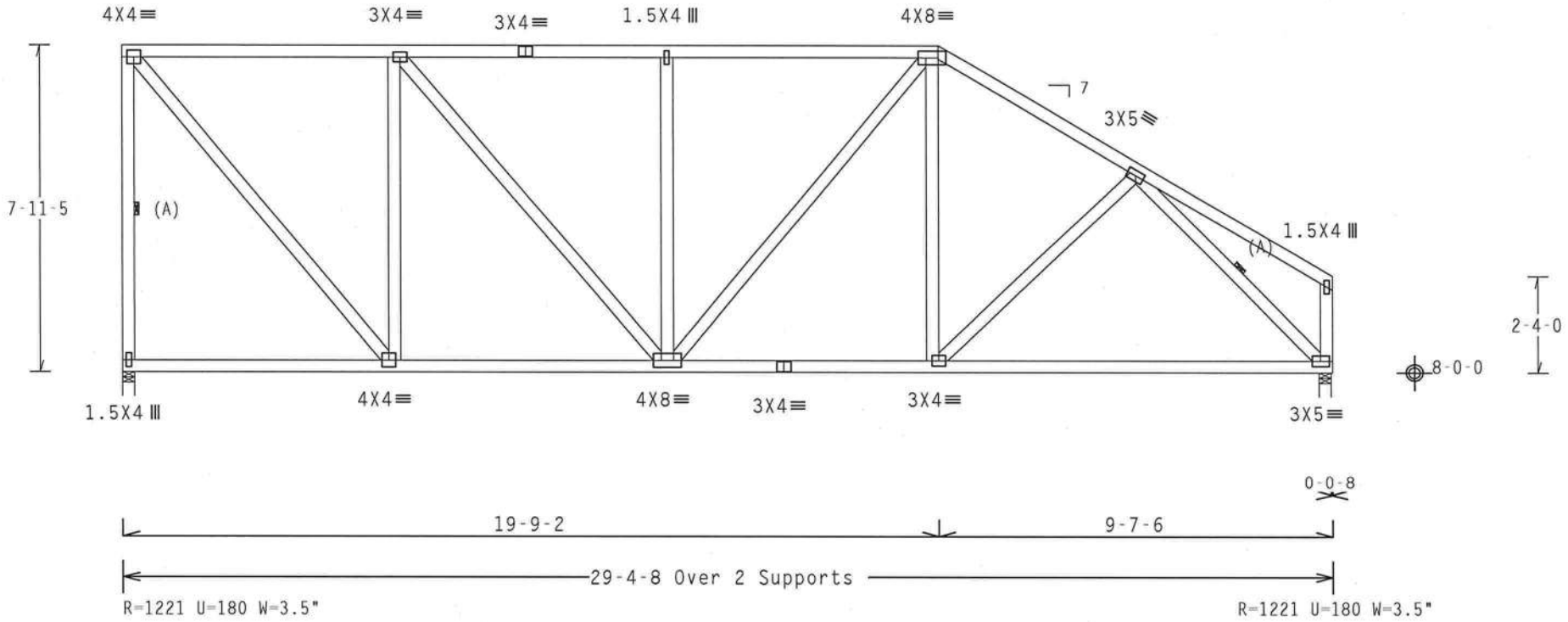
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.00 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.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.25"/Ft.

ALPINE

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

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70651
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040076
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20132
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T408228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H15 A)

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

Wind reactions based on MWFRS pressures.

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

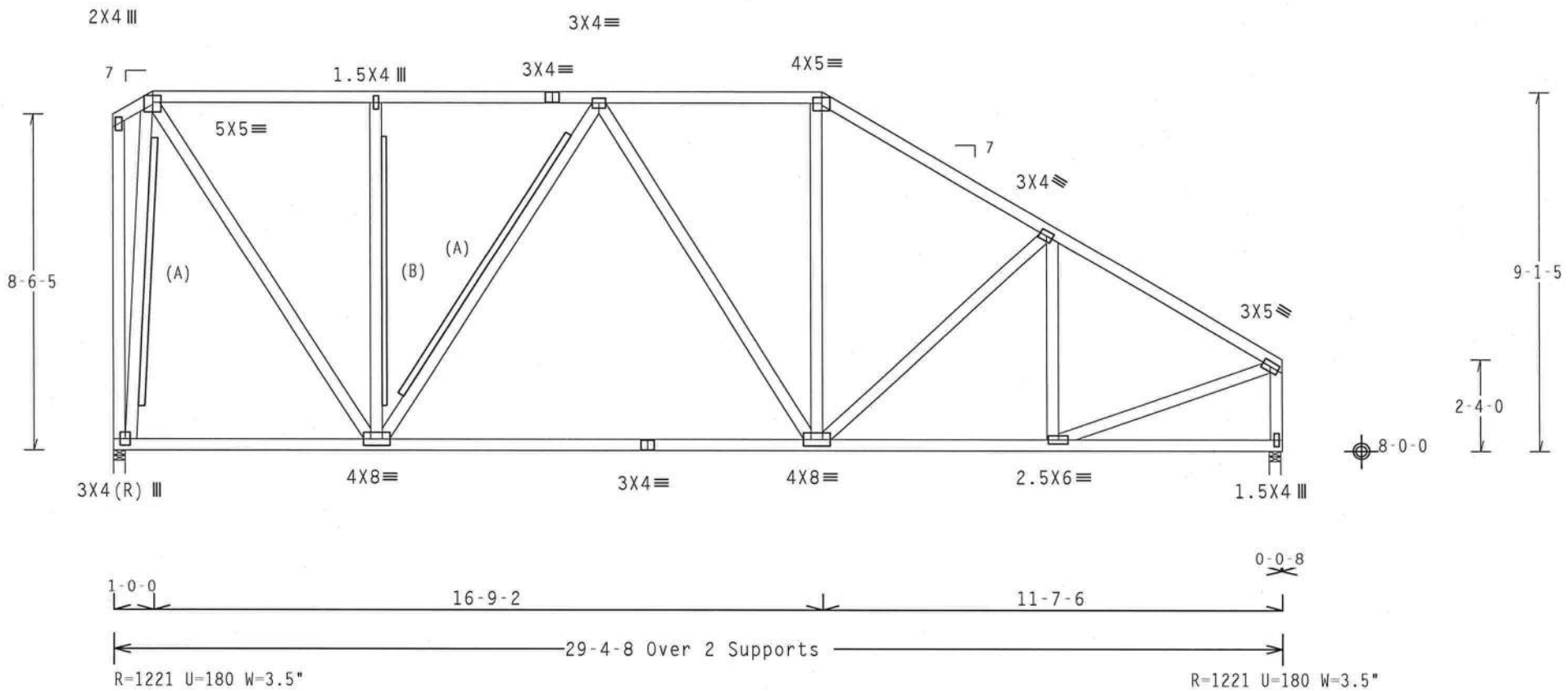
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

End verticals not exposed to wind pressure.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" 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

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible]Y:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
Ft. Certificate of Authorizatio[illegible]

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

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 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70652
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040077
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20137
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H17 A)

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

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

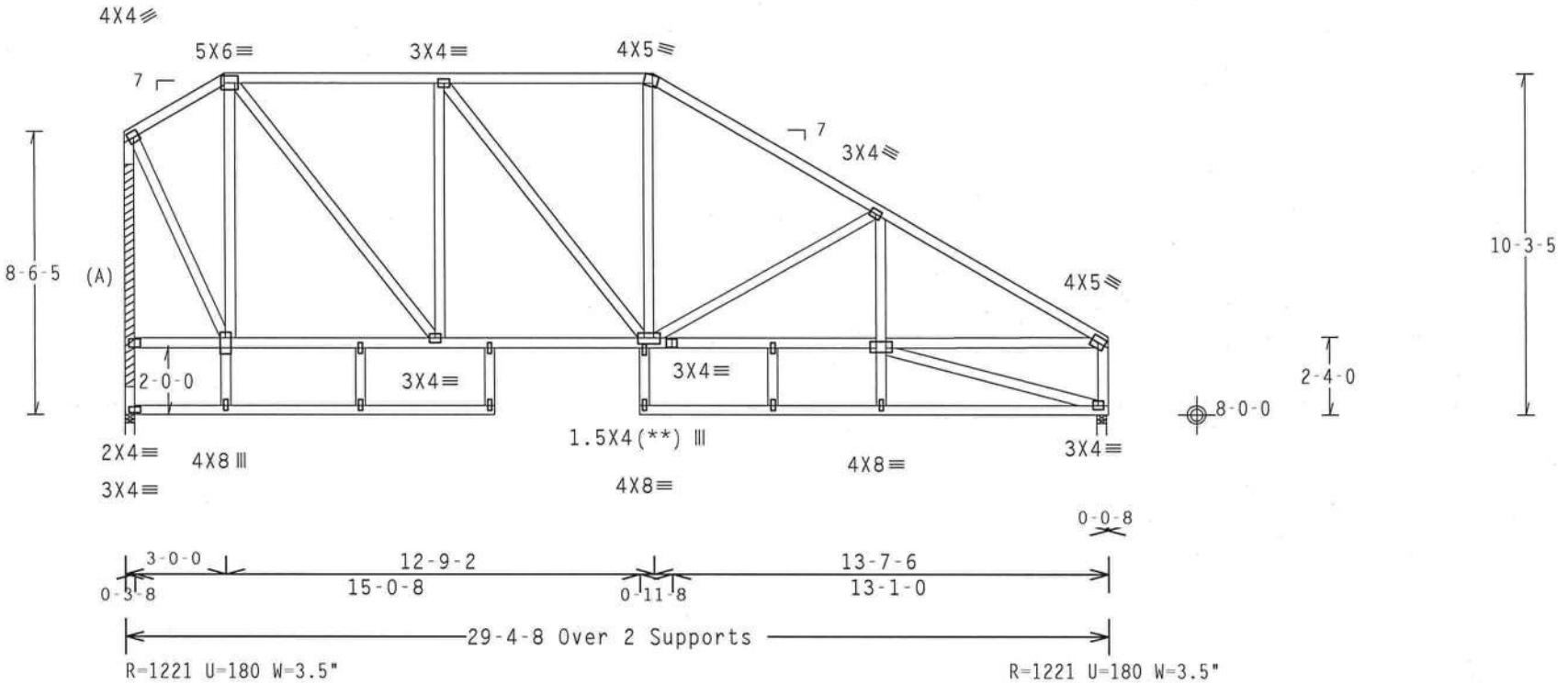
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See DWG. BCFILLER1106 for Bottom chord filler detail. Laterally brace Bottom chord above filler at 24" oc or as designed) including a lateral brace on Bottom chord directly above both ends of filler (if no rigid diaphragm exists at that point).

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

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

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70653
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040078
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20144
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H19 A)

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

Wind reactions based on MWFRS pressures.

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

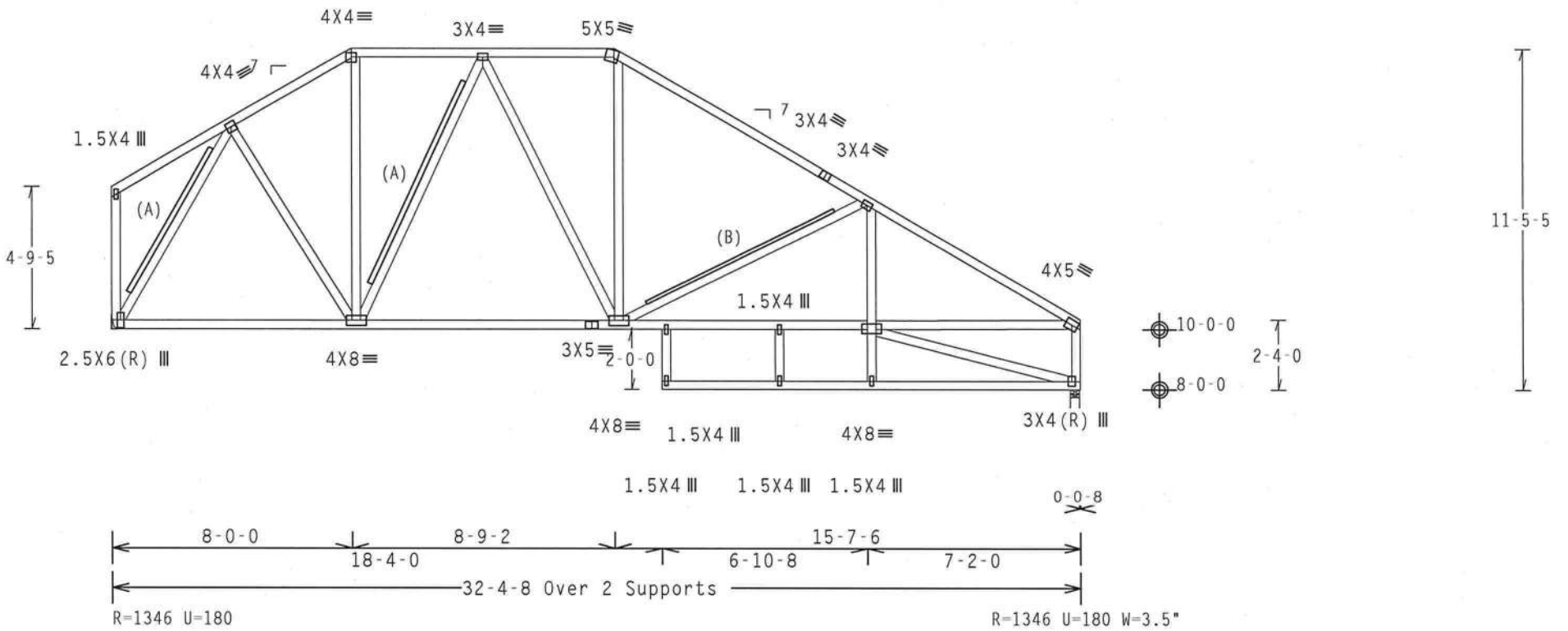
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

End verticals not exposed to wind pressure.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

See DWG. BCFILLER1106 for Bottom chord filler detail. Laterally brace Bottom chord above filler at 24" oc or as designed) including a lateral brace on Bottom chord directly above both ends of filler (if no rigid diaphragm exists at that point).



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70654
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040079
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20150
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

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

Wind reactions based on MWFRS pressures.

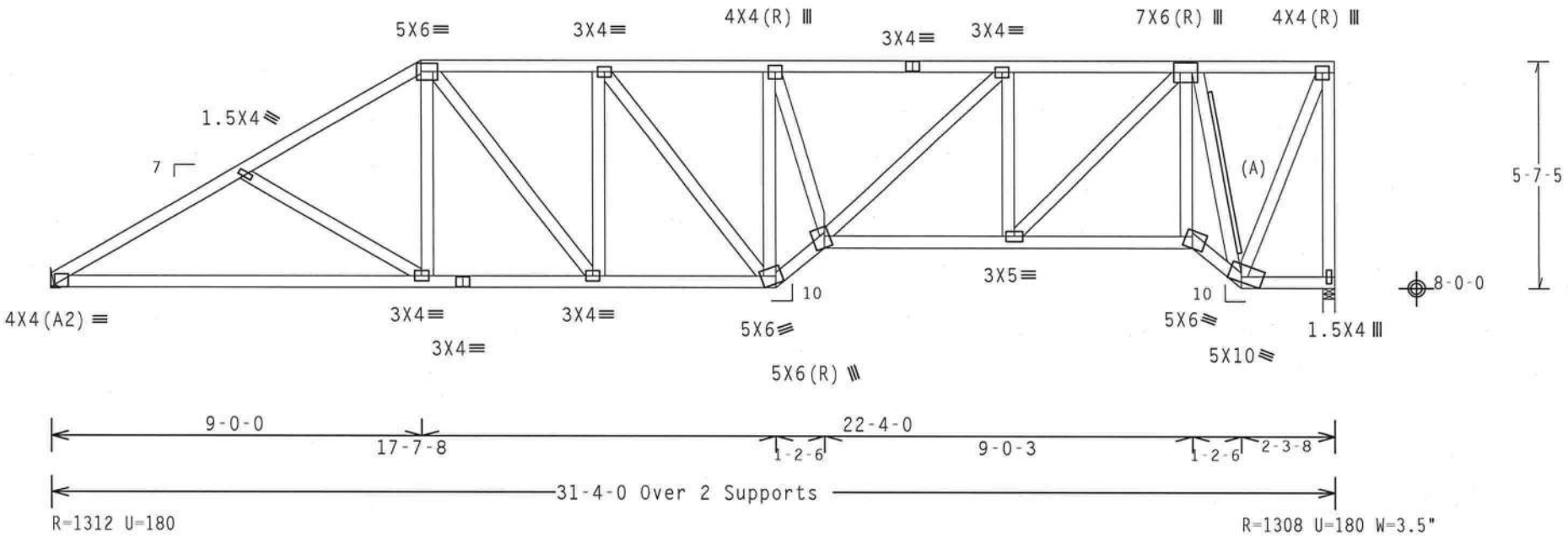
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 CSI:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
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Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09,07

TC LL	20.0 PSF	REF R8228- 70655
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040080
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20157
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

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

Wind reactions based on MWFRS pressures.

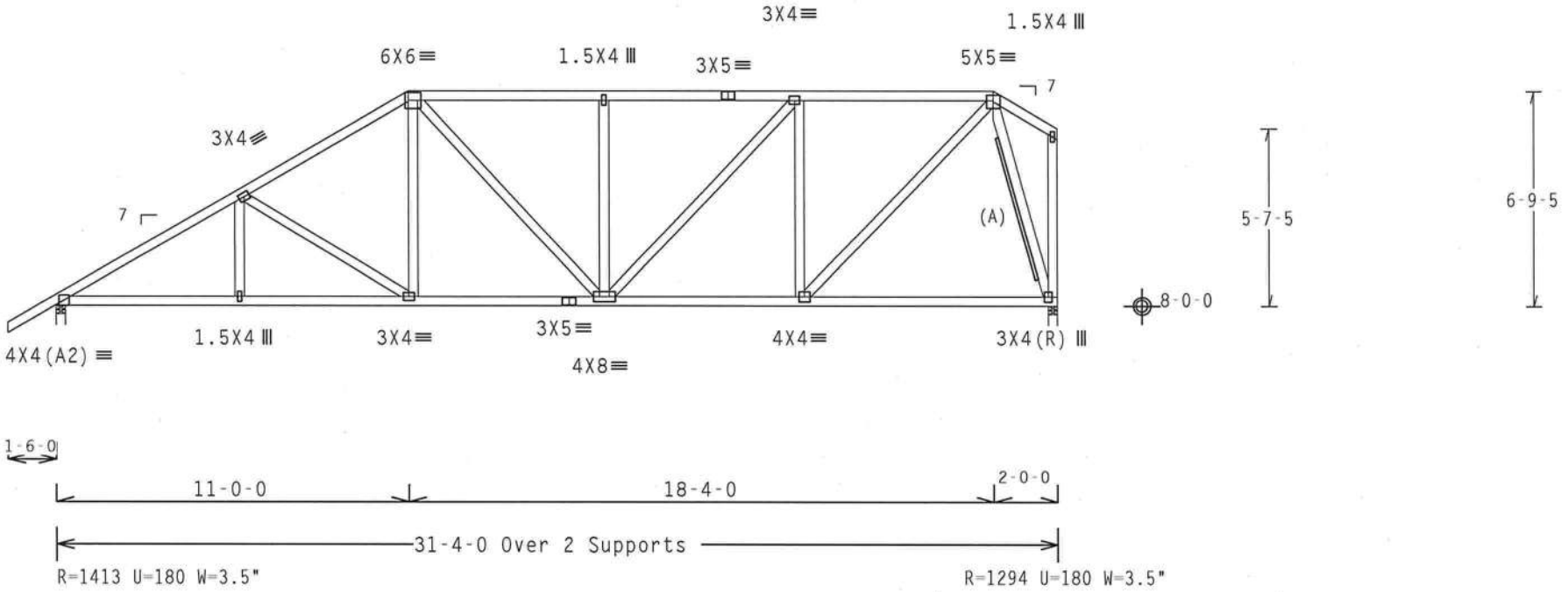
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70656
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040081
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20164
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H13 AA)

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

Wind reactions based on MWFRS pressures.

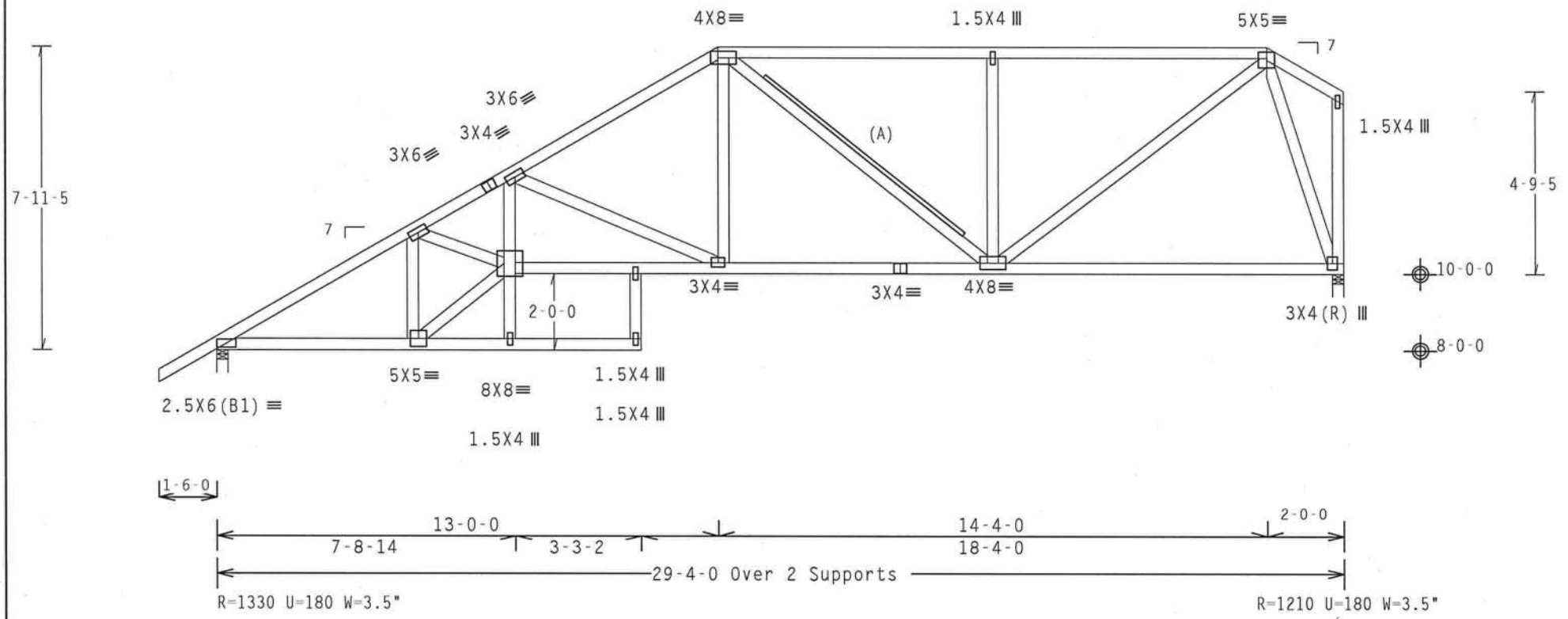
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

See DWG. BCFILLER1106 for Bottom chord filler detail. Laterally brace Bottom chord above filler at 24" oc or as designed) including a lateral brace on Bottom chord directly above both ends of filler (if no rigid diaphragm exists at that point).

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.

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 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70657
TC DL	10.0 PSF	DATE	02/09/07
BC DL.	10.0 PSF	DRW	HCUSR8228 07040082
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20172
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T408228Z03

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

Wind reactions based on MWFRS pressures.

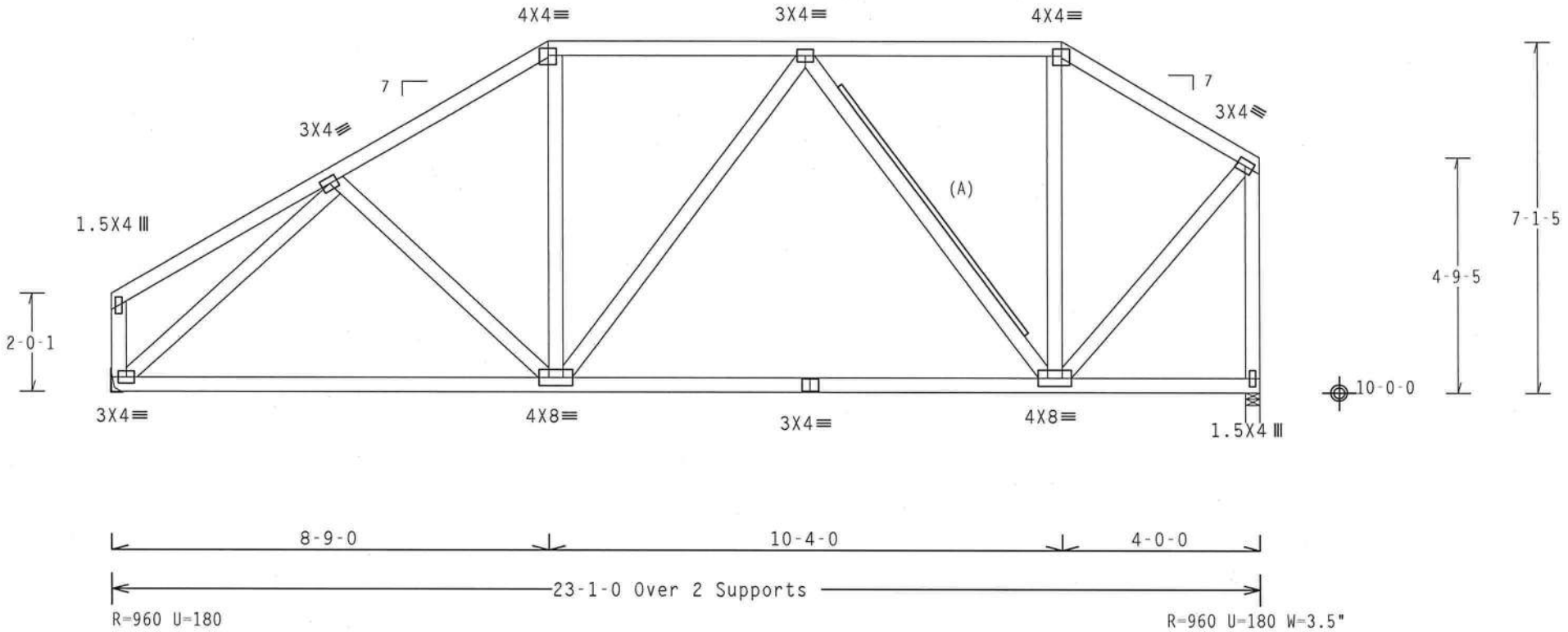
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.[illegible]TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.3125"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70658
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040083
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20177
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H17 AA)

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

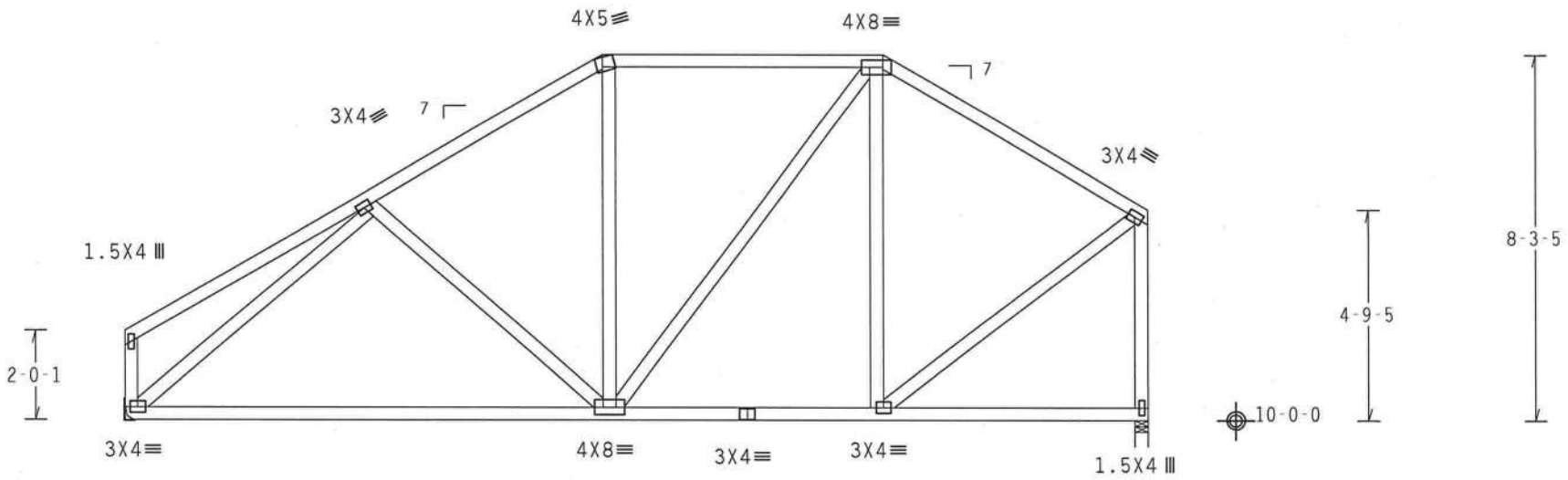
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.14 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.

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) 7.24.1

PLT TYP. Wave

TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70659
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040084
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20183
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H19 AA)

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

Wind reactions based on MWFRS pressures.

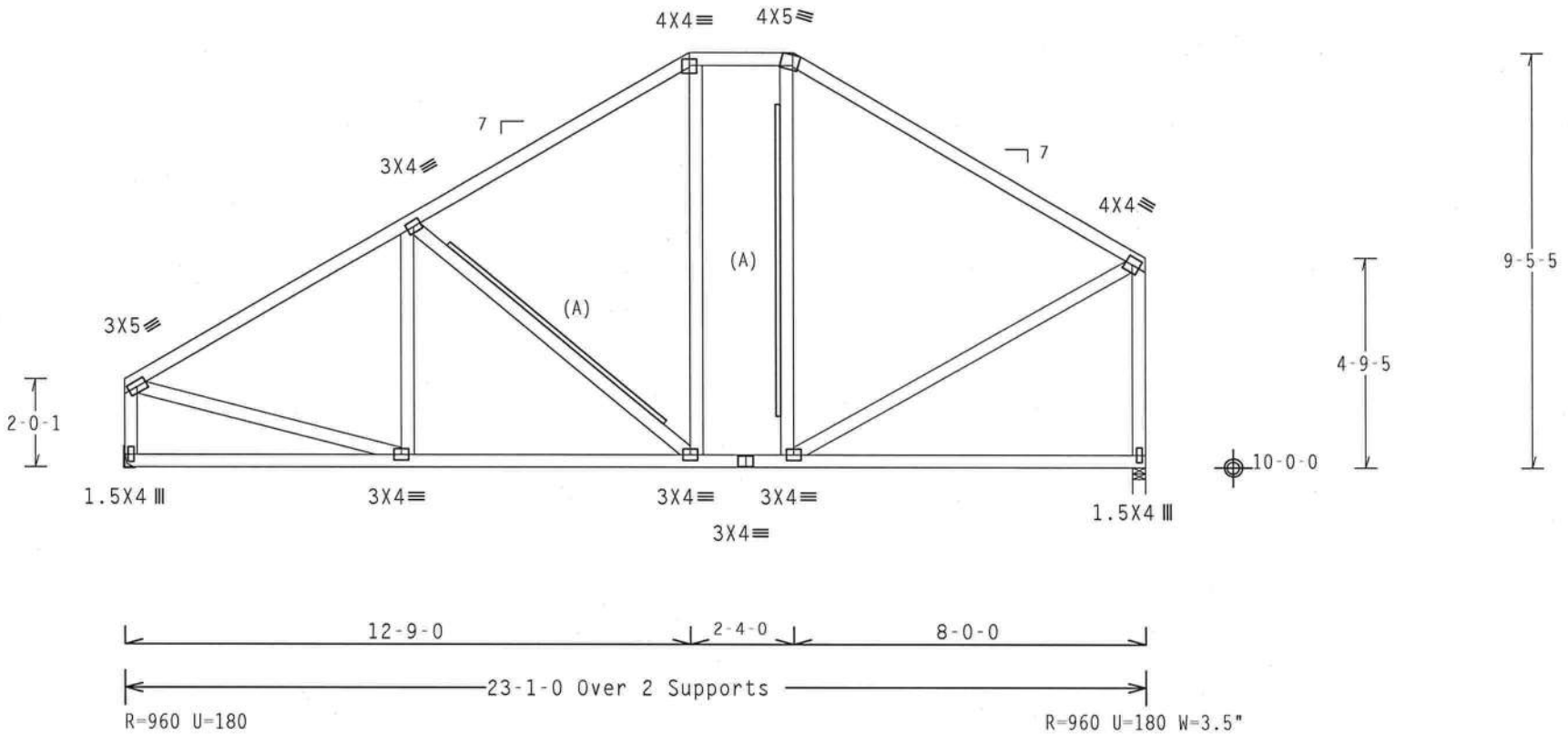
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

110 mph wind, 15.72 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.

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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70660
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040085
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20190
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T408228Z03

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

Wind reactions based on MWFRS pressures.

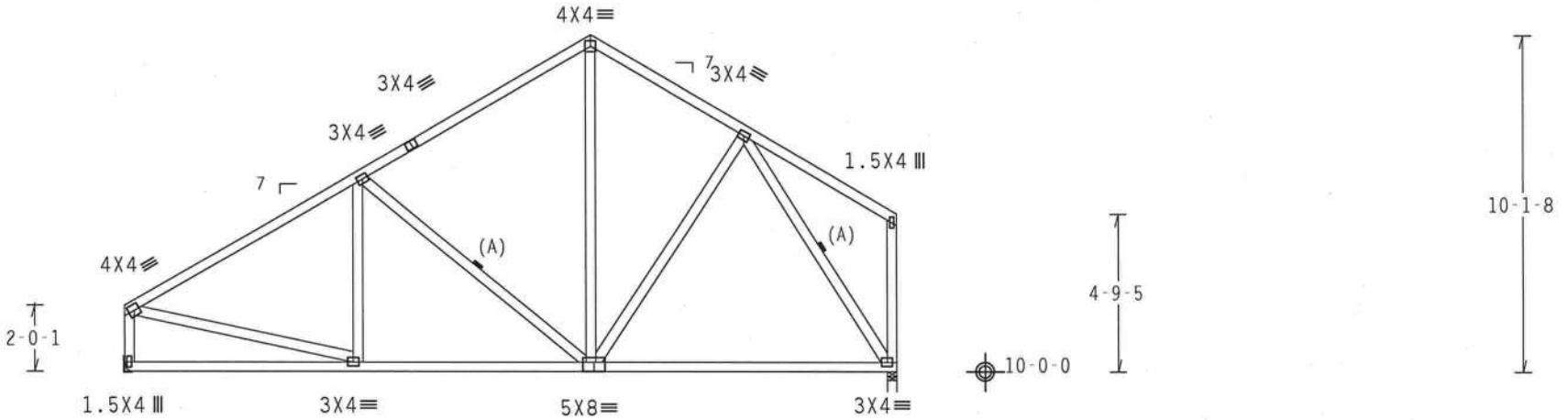
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 16.06 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.

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.



13-11-0 | 9-2-0

23-1-0 Over 2 Supports

R=960 U=180 R=960 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc.
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Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70661
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040086
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20195
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

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

Wind reactions based on MWFRS pressures.

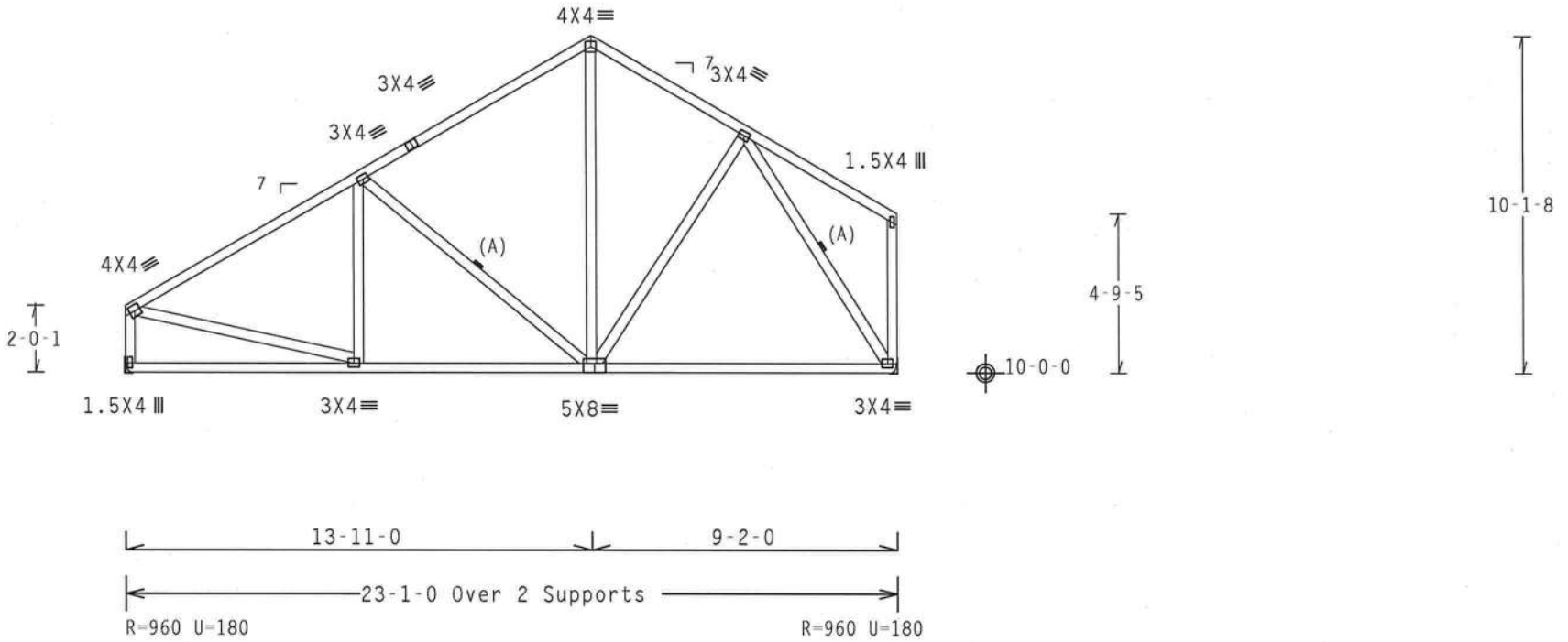
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 16.06 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.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 52687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70662
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040087
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20202
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

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

Wind reactions based on MWFRS pressures.

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

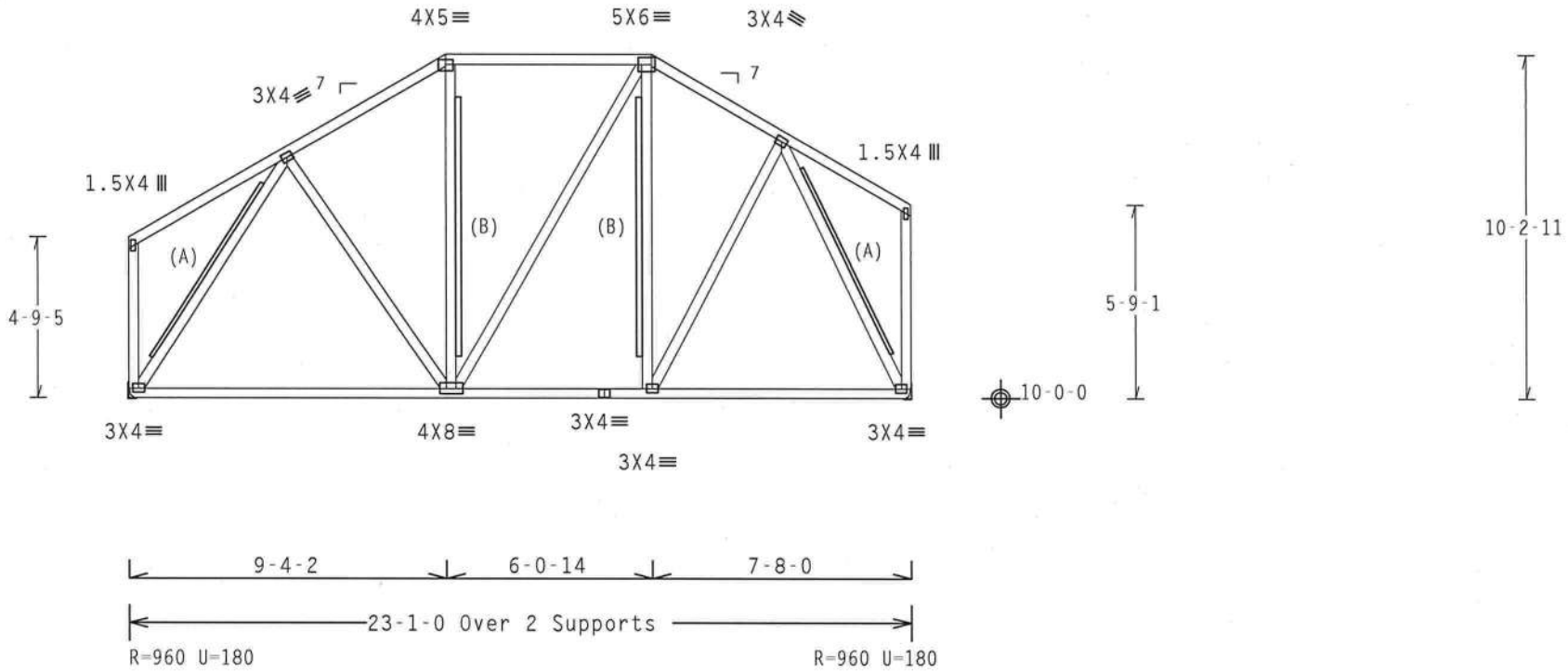
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 17.50 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.

End verticals not exposed to wind pressure.

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" 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) 7.24.12 [illegible]Y:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 0[illegible] '07

TC LL	20.0 PSF	REF R8228- 70663
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040088
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20211
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - A4)

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

Wind reactions based on MWFRS pressures.

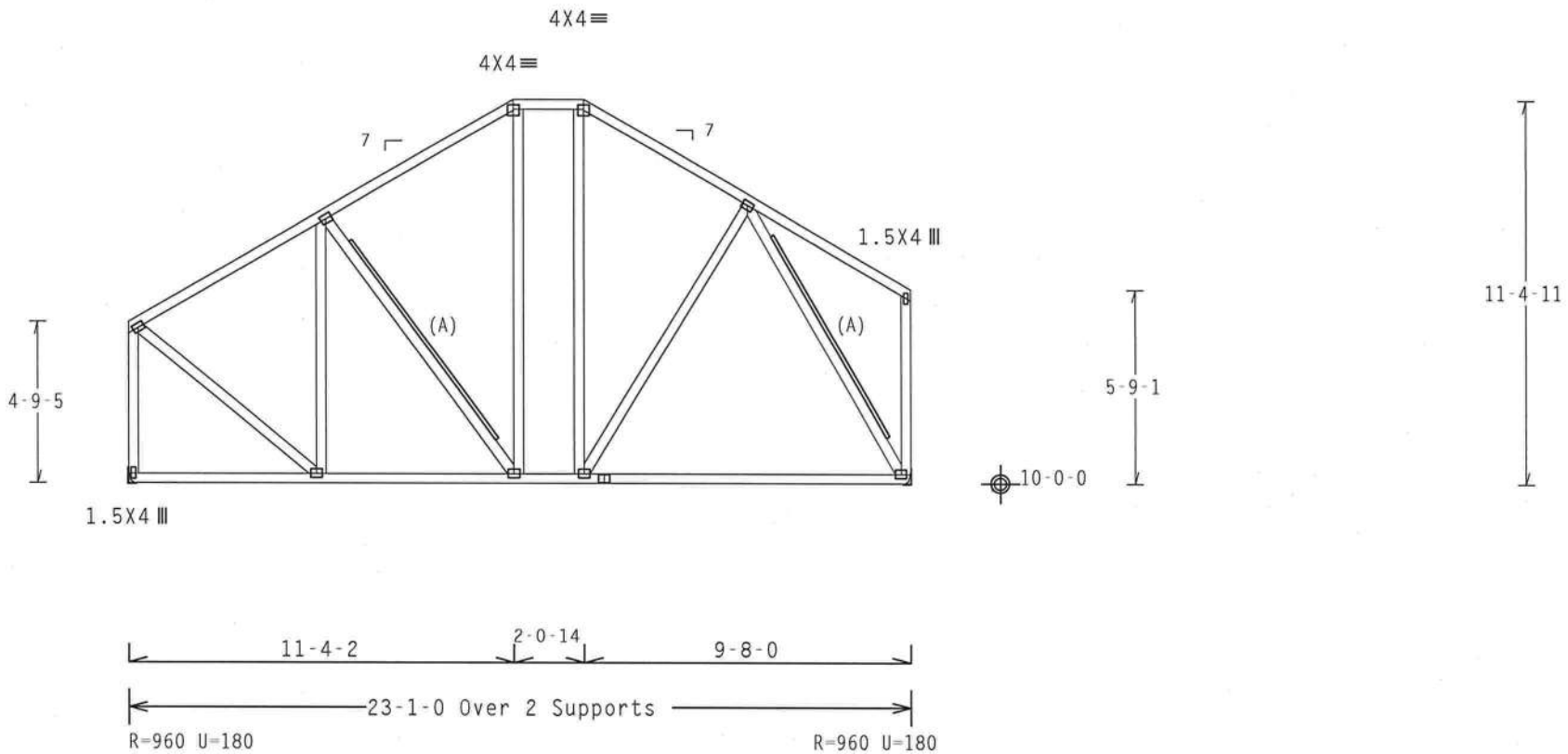
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

110 mph wind, 18.08 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.

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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.50687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70664
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040089
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20217
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H21 A)

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

Wind reactions based on MWFRS pressures.

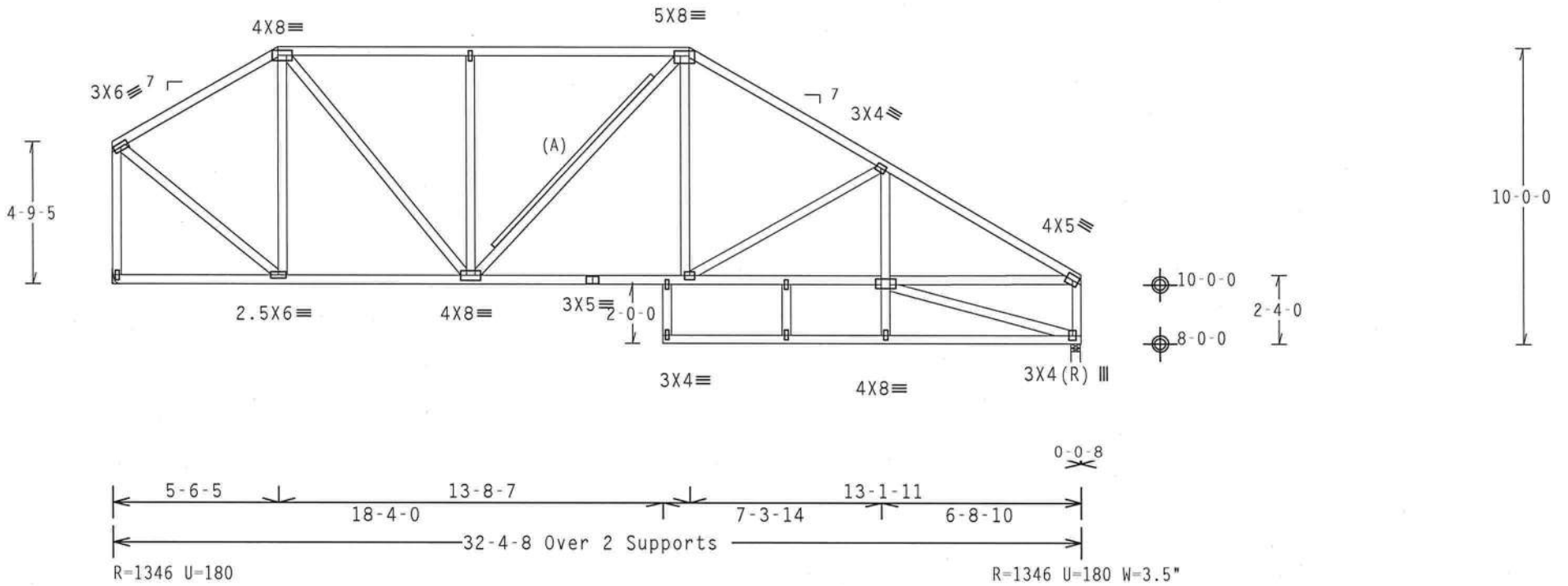
(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

See DWG. BCFILLER1106 for Bottom chord filler detail. Laterally brace Bottom chord above filler at 24" oc or as designed) including a lateral brace on Bottom chord directly above both ends of filler (if no rigid diaphragm exists at that point).

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.

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.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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Haines City, FL 33844
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ARTHUR A. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70665
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040090
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20223
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H23 A)

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

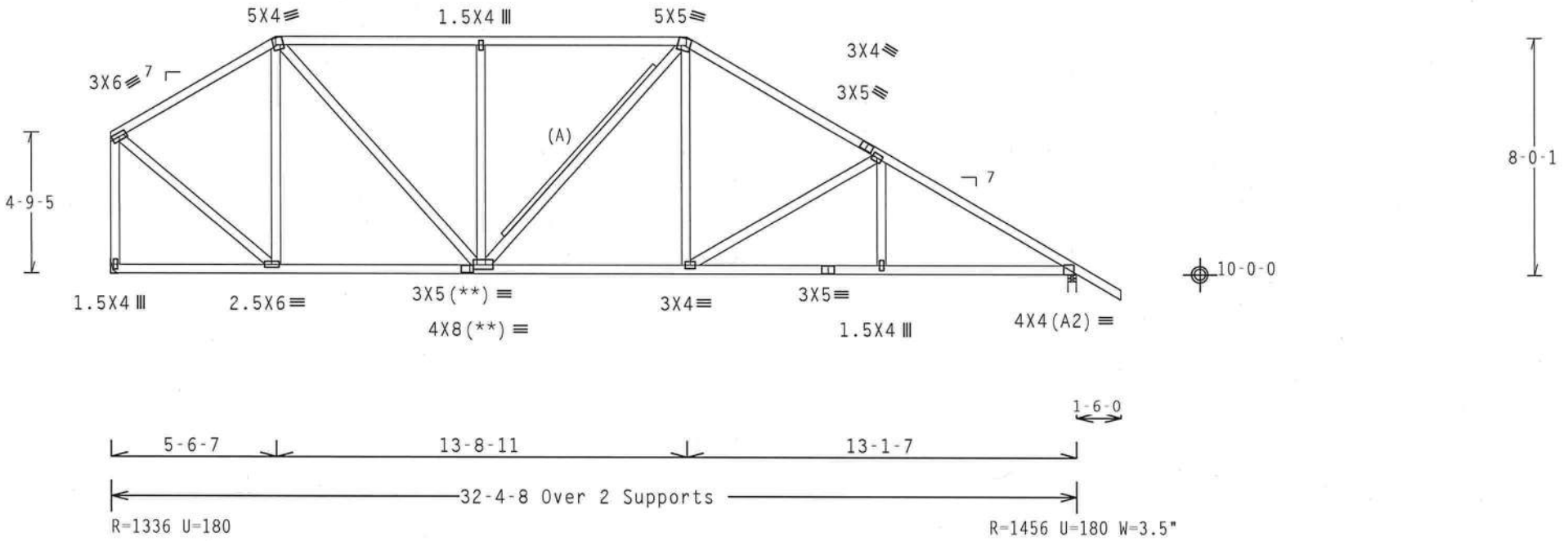
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" 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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70666
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040091
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20231
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 10.00
TC - From 63 PLF at 10.00 to 63 PLF at 19.58
BC - From 20 PLF at 0.00 to 20 PLF at 19.58
BC - 960 LB Conc. Load at 1.02, 3.02, 4.56, 6.56, 8.56 10.56, 12.56, 14.56, 16.56, 18.56

Wind reactions based on MWFRS pressures.

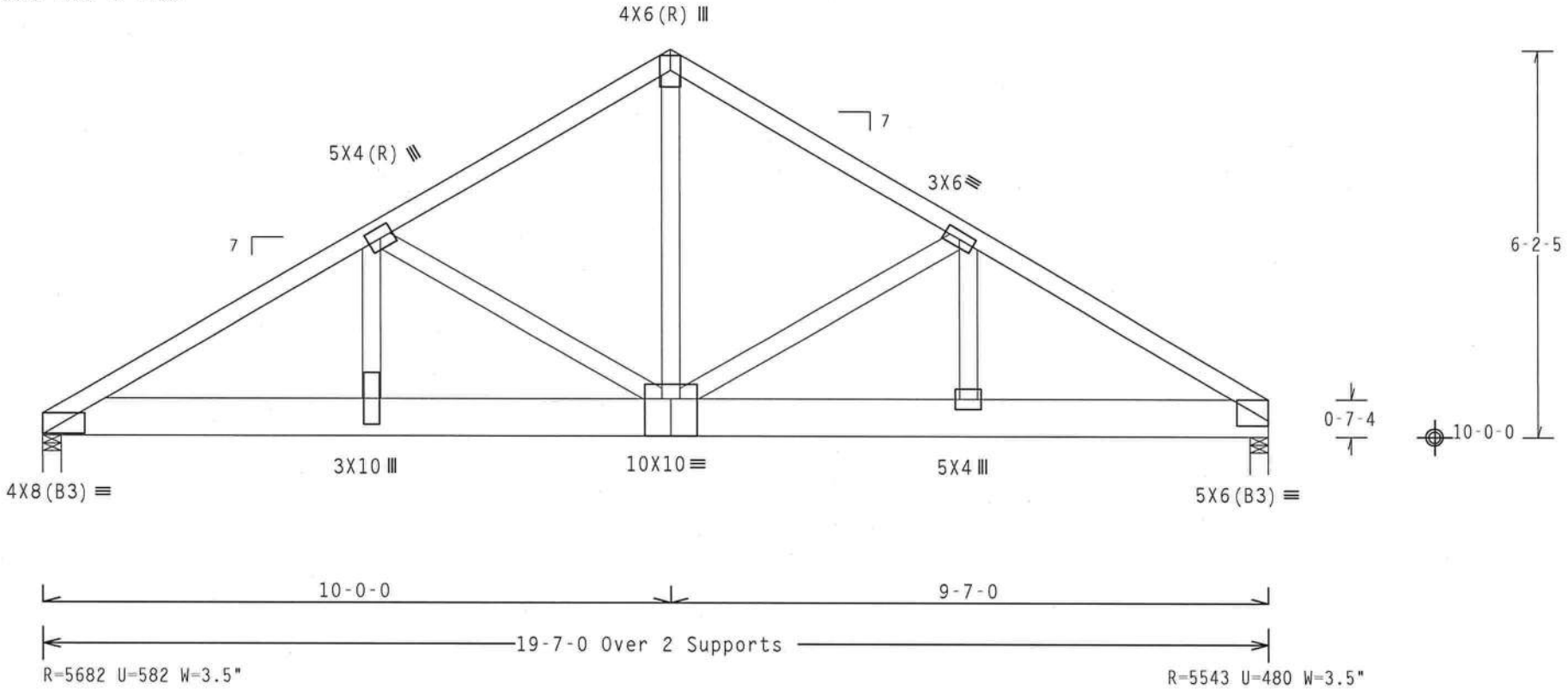
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70667
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040092
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20353
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

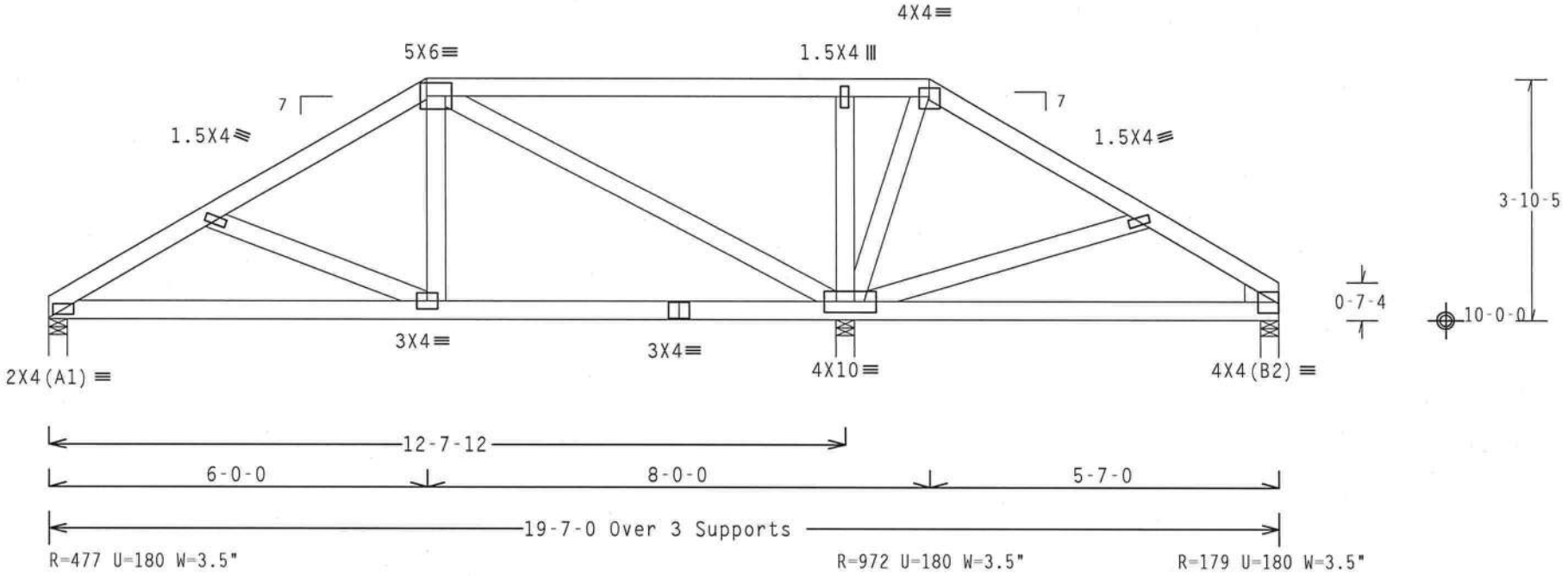
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Wedge 2x4 SP #3:

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.

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
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70668
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040093
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20345
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228703

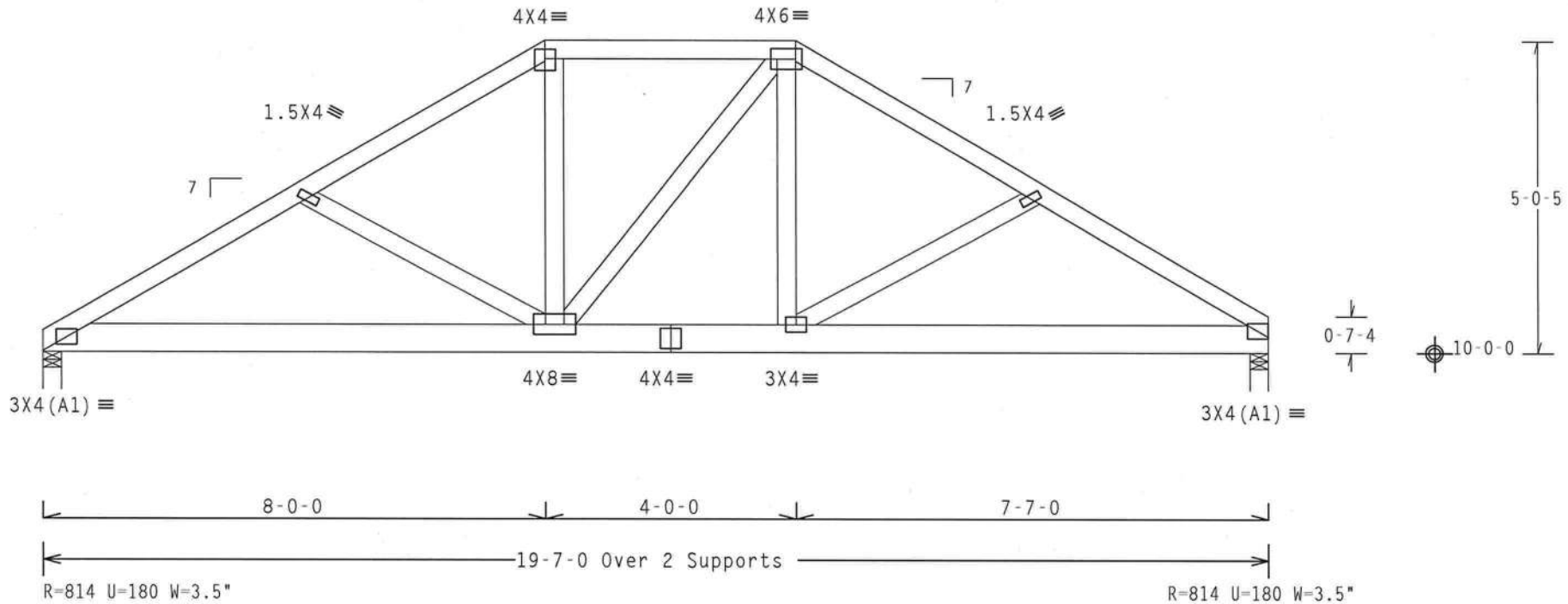
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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, 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.

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 [illegible]:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70669
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040094
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20349
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - C1)

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)

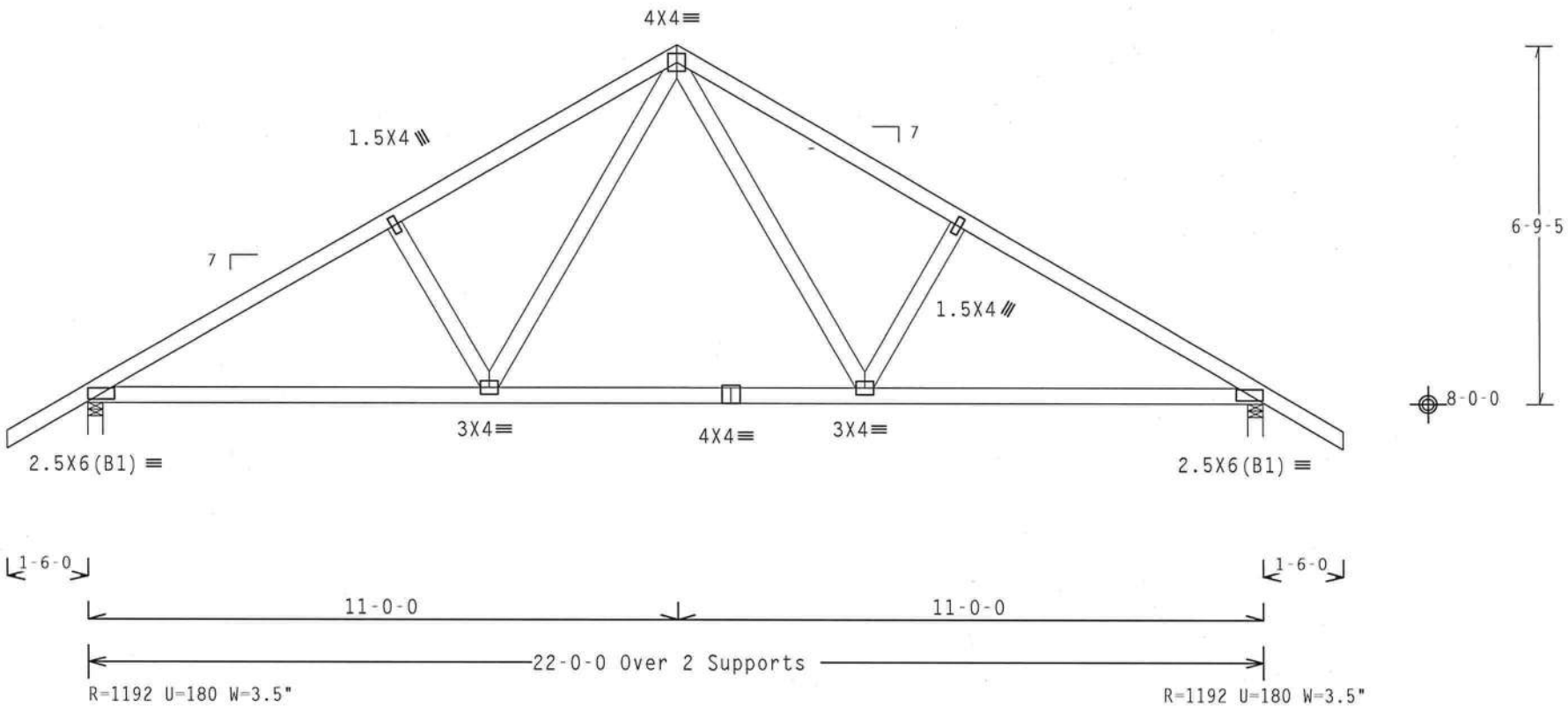
TC - From	63 PLF	at -1.50	to	63 PLF	at 11.00
TC - From	63 PLF	at 11.00	to	63 PLF	at 23.50
BC - From	5 PLF	at -1.50	to	5 PLF	at 0.00
BC - From	20 PLF	at 0.00	to	20 PLF	at 7.49
BC - From	70 PLF	at 7.49	to	70 PLF	at 14.51
BC - From	20 PLF	at 14.51	to	20 PLF	at 22.00
BC - From	5 PLF	at 22.00	to	5 PLF	at 23.50

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.

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

PLT TYP. Wave

Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #562

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09,07

TC LL	20.0 PSF	REF R8228- 70670
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040095
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20077
DUR.FAC.	1.25	FROM JFB
SPACING	SEE ABOVE	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - H5 C)

Top chord 2x4 SP #2 Dense :T2 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 5.00
TC - From 63 PLF at 5.00 to 63 PLF at 5.58
TC - From 123 PLF at 5.58 to 123 PLF at 16.42
TC - From 63 PLF at 16.42 to 63 PLF at 17.00
TC - From 63 PLF at 17.00 to 63 PLF at 23.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.00
BC - From 5 PLF at 22.00 to 5 PLF at 23.50
PLT- 363 LB Conc. Load at (5.00,11.23), (17.00,11.23)
PLT- 129 LB Conc. Load at (7.06,12.09), (9.06,13.26), (11.00,11.24) (12.94,11.24), (14.94,11.24)
PLB- 154 LB Conc. Load at (5.00,8.04), (17.00,8.04)
PLB- 54 LB Conc. Load at (7.06,8.04), (9.06,8.04), (11.00,8.04) (12.94,8.04), (14.94,8.04)

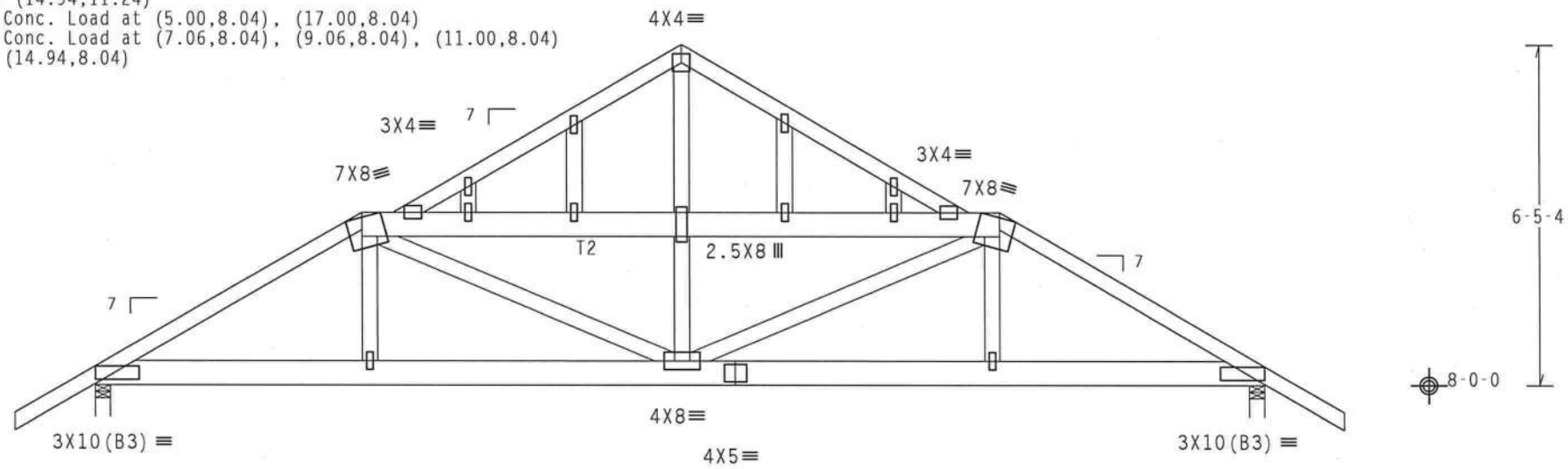
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

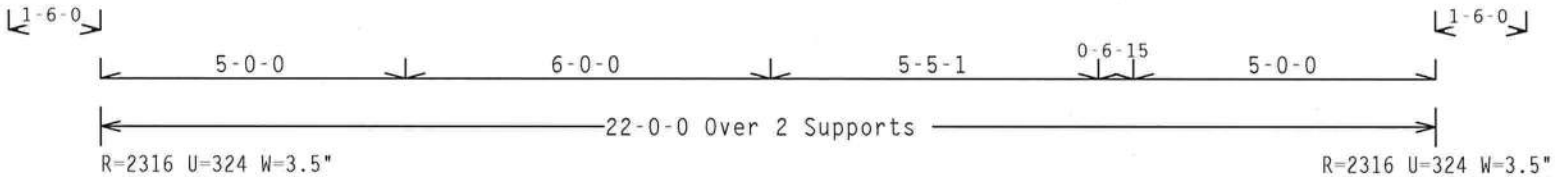
Wind reactions based on MWFRS pressures.

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.

THIS BOSTON HIP IS DESIGNED TO SUPPORT 5-0-0 JACKS WITH NO WEBS. UP TO 1-4-0 OVERHANG IS ALLOWED IN TOP CHORD GABLE SECTION. REFER TO DRAWINGS A11015EE1106 AND GBLLETIN1106 FOR GABLE END REQUIREMENTS.





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

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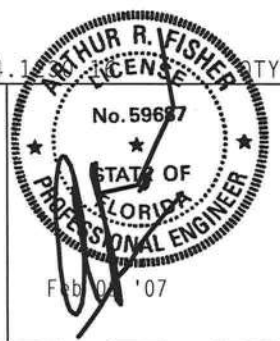


TC LL	20.0 PSF	REF R8228- 70671
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040097
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20104
DUR.FAC.	1.25	FROM JFB
SPACING	SEE ABOVE	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - D3)

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

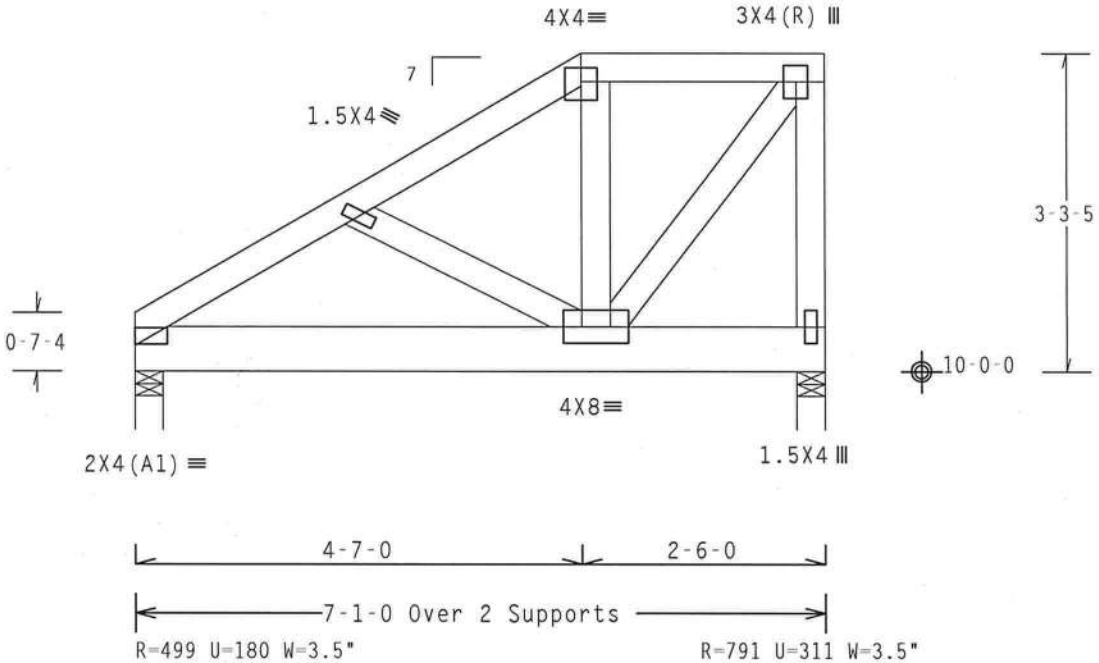
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 7.08
BC - From 20 PLF at 0.00 to 20 PLF at 7.08
TC - 363 LB Conc. Load at 4.58
TC - 129 LB Conc. Load at 6.65
BC - 155 LB Conc. Load at 4.58
BC - 54 LB Conc. Load at 6.65

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.

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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0 [illegible]CY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09,'07

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	SEE ABOVE

REF	R8228- 70672
DATE	02/09/07
DRW	HCUSR8228 07040098
HC-ENG	TCE/AF
SEQN-	89489 REV
FROM	JFB
JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - D1)

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 -1.50 to 63 PLF at 2.00
TC - From 123 PLF at 2.00 to 123 PLF at 9.92
TC - From 63 PLF at 9.92 to 63 PLF at 10.50
TC - From 63 PLF at 10.50 to 63 PLF at 12.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.50
PLT- -18 LB Conc. Load at (2.00,11.49), (10.50,11.49)
PLT- 21 LB Conc. Load at (2.06,11.49), (4.06,12.34), (6.06,11.49) (6.44,11.49), (8.44,11.49), (10.44,11.49)
PLB- -50 LB Conc. Load at (2.00,10.04), (10.50,10.04)
PLB- 7 LB Conc. Load at (2.06,10.04), (4.06,10.04), (6.06,10.04) (6.44,10.04), (8.44,10.04), (10.44,10.04)

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

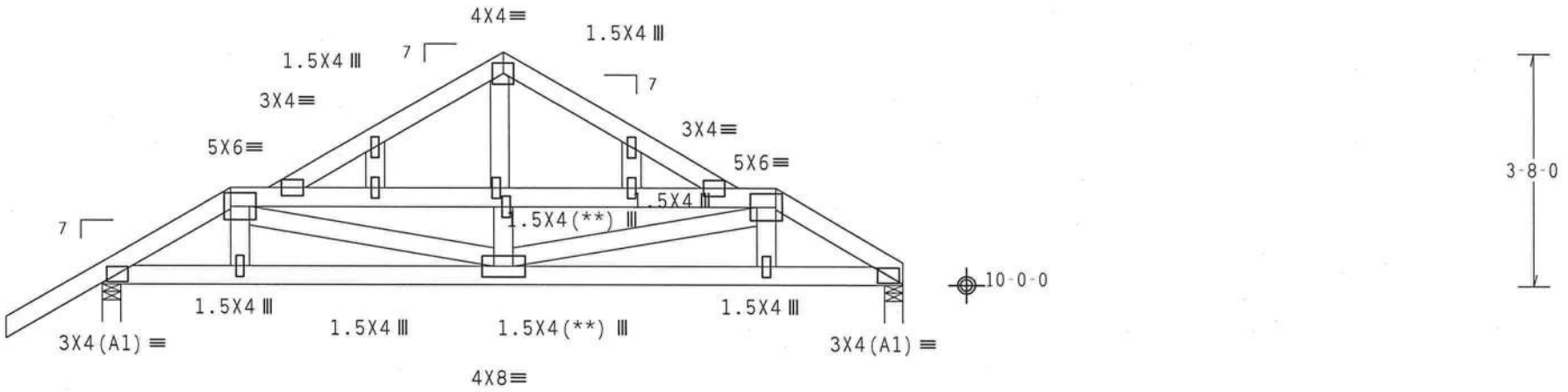
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

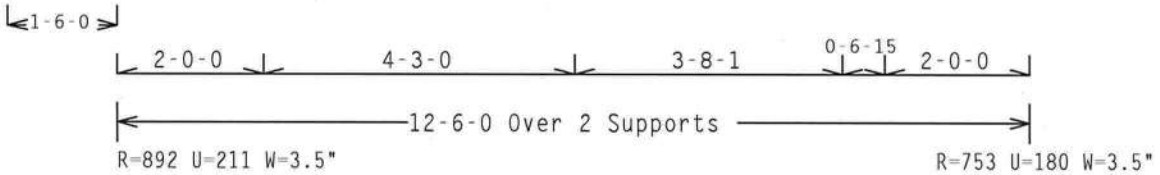
Wind reactions based on MWFRS pressures.

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.

THIS BOSTON HIP IS DESIGNED TO SUPPORT 2-0-0 JACKS WITH NO WEBS. UP TO 1-4-0 OVERHANG IS ALLOWED IN TOP CHORD GABLE SECTION. REFER TO DRAWINGS A11015EE1106 AND GBLLETIN1106 FOR GABLE END REQUIREMENTS.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70673
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040099
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20330
DUR.FAC.	1.25	FROM	JFB
SPACING	SEE ABOVE	JREF-	1T408228Z03

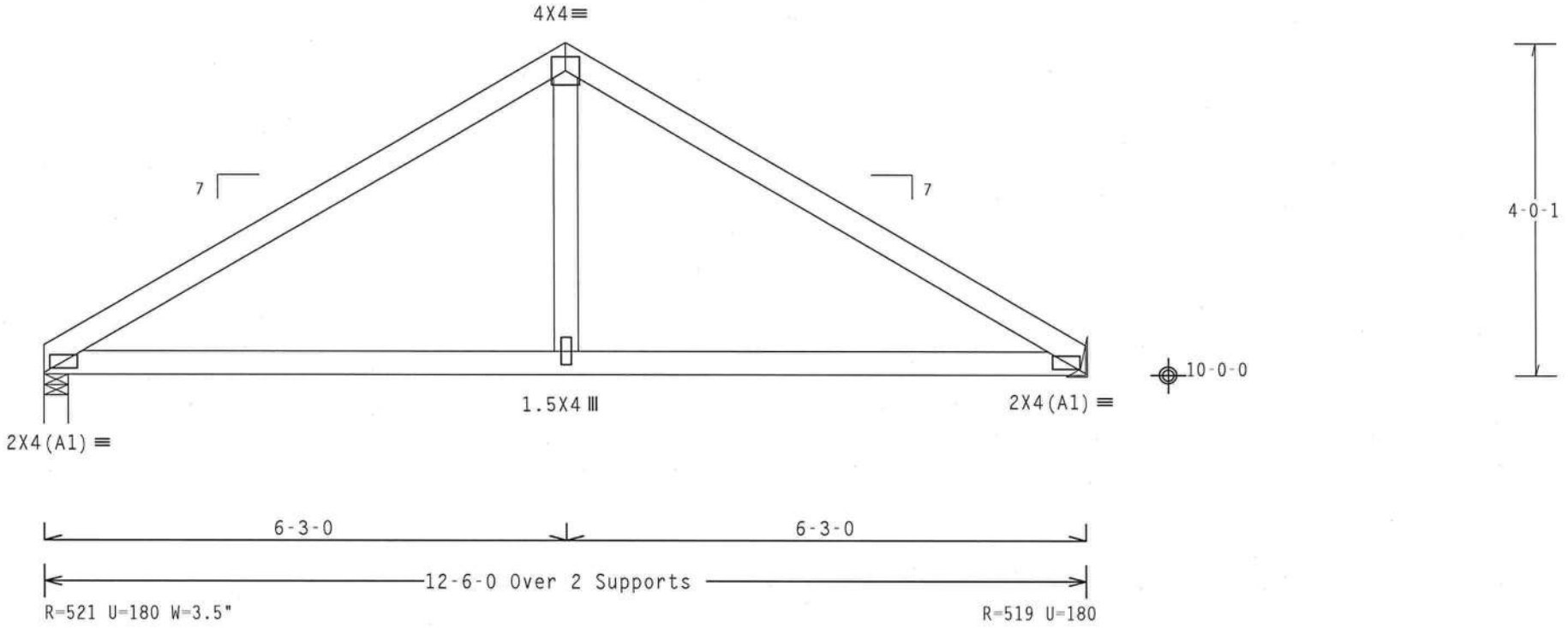
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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, 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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70674
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040070
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20334
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

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 60 PLF at 0.00 to 60 PLF at 11.33
BC - From 20 PLF at 0.00 to 20 PLF at 11.33
BC - 153 LB Conc. Load at 1.23
BC - 1346 LB Conc. Load at 1.40, 3.40
BC - 245 LB Conc. Load at 3.23, 5.23, 7.23
BC - 1336 LB Conc. Load at 5.40
BC - 960 LB Conc. Load at 7.40, 9.40, 10.94
BC - 206 LB Conc. Load at 9.23

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.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

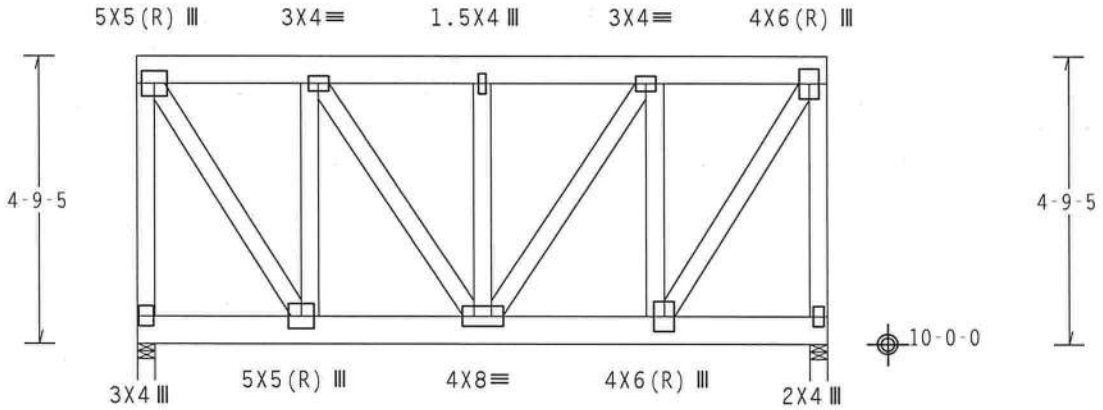
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

Truss must be installed as shown with top chord up.

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



11-4-0 Over 2 Supports

R=4378 U=489 W=3.5" R=4531 U=530 W=3.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70675
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040104
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20316
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

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

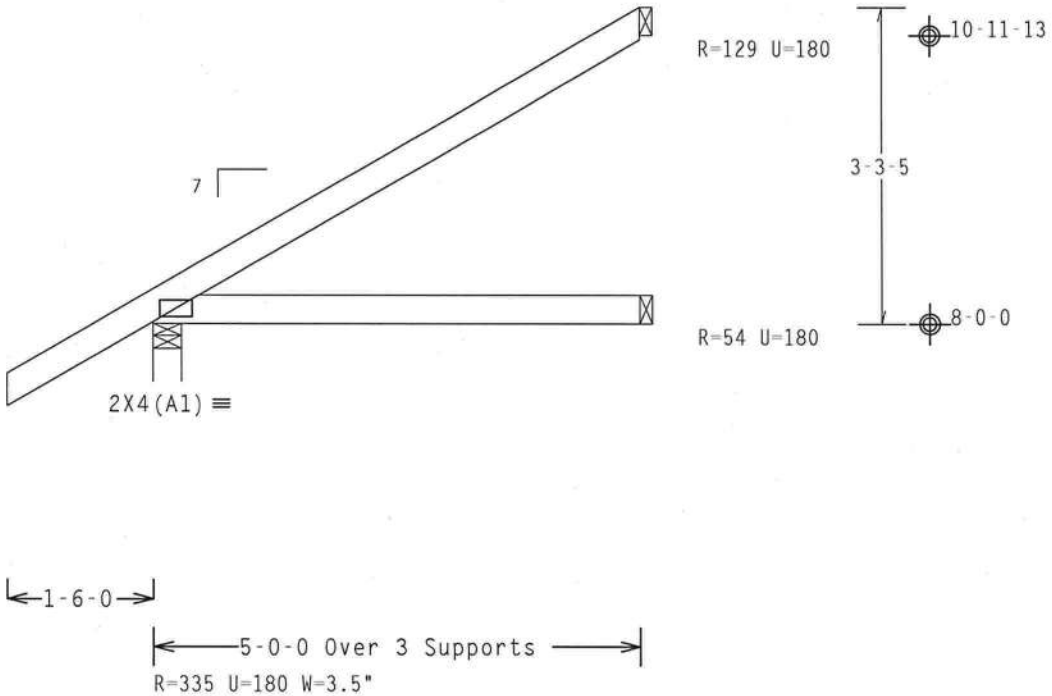
Wind reactions based on MWFRS pressures.

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

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible]CY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70676
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040072
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20080
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - CJ3)

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

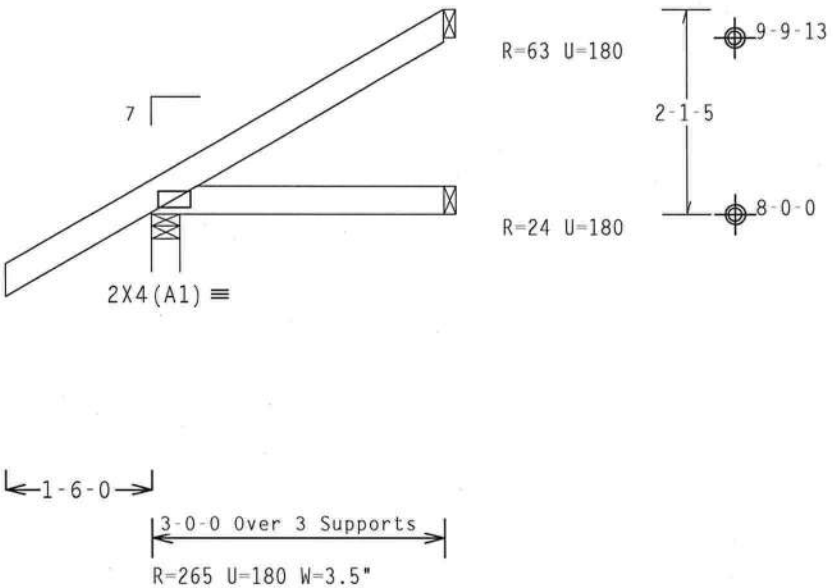
Wind reactions based on MWFRS pressures.

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

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70677
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040062
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20085
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T408228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - HJ5)

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

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.

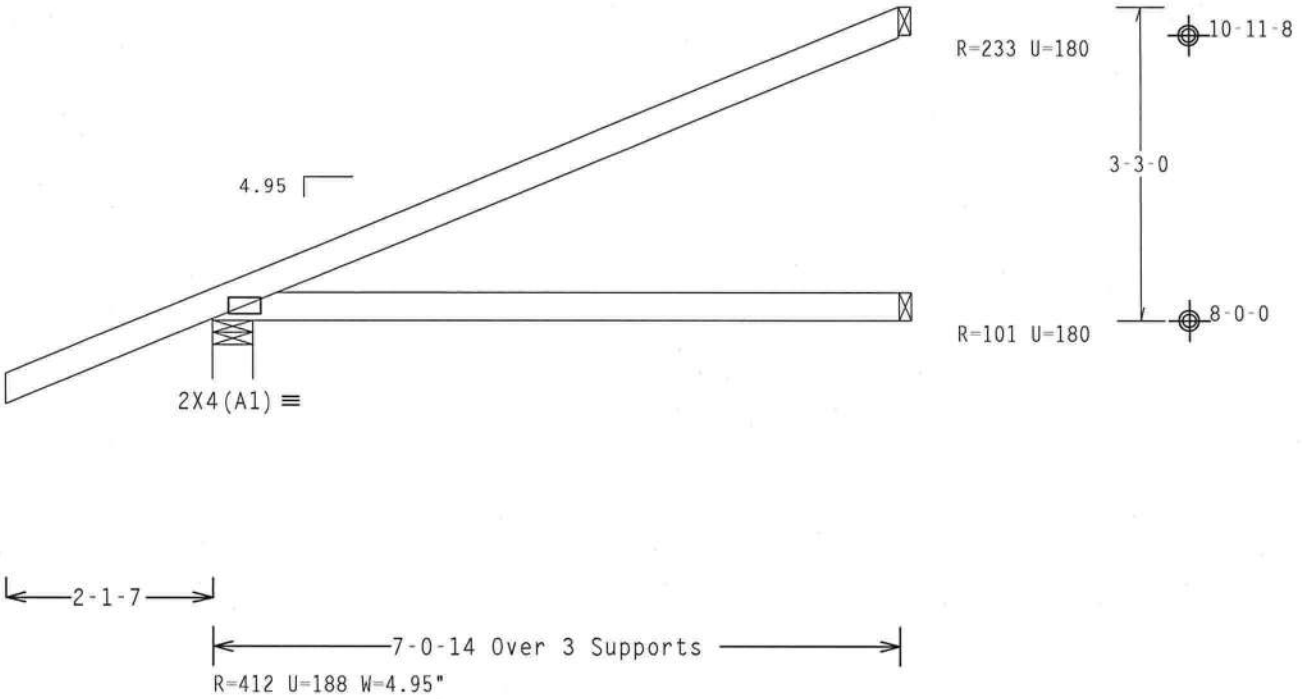
Wind reactions based on MWFRS pressures.

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

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -2.12 to 62 PLF at 7.07
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.07
TC - -115 LB Conc. Load at 1.48
TC - 126 LB Conc. Load at 4.31
BC - -29 LB Conc. Load at 1.48
BC - 47 LB Conc. Load at 4.31

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

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
Fl Certificate of Authorizatio #567

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ARTHUR B. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70678
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040096
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20095
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - HJ7Z)

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

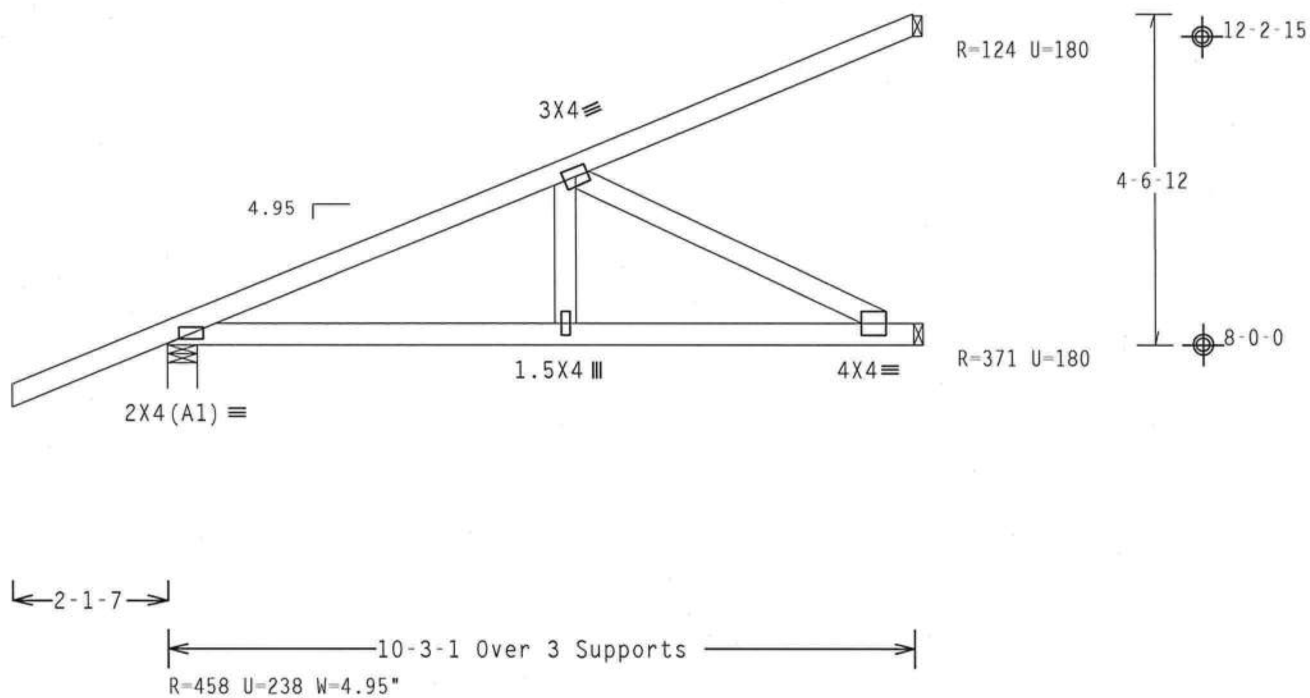
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -2.12 to 62 PLF at 0.00
TC - From 31 PLF at 0.00 to 31 PLF at 10.25
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
BC - From 10 PLF at 0.00 to 10 PLF at 10.25
TC - -115 LB Conc. Load at 1.48
TC - 126 LB Conc. Load at 4.31
TC - 259 LB Conc. Load at 7.13
BC - -29 LB Conc. Load at 1.48
BC - 47 LB Conc. Load at 4.31
BC - 107 LB Conc. Load at 7.13

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.

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.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (3) 0.162x3.5" 16d Common toe-nails at Bottom Chord.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave   Cq/RT=1.00(1.25)/10(0)   7.25.0   QTY:1   FL/-/4/-/-/R/-   Scale =.375"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 13 '07

TC LL 20.0 PSF	REF R8228- 70679
TC DL 10.0 PSF	DATE 02/09/07
BC DL 10.0 PSF	DRW HCUSR8228 07040105
BC LL 0.0 PSF	HC-ENG TCE/AF
TOT.LD. 40.0 PSF	SEQN- 89495 REV
DUR.FAC. 1.25	FROM JFB
SPACING SEE ABOVE	JREF- 1T408228Z03

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

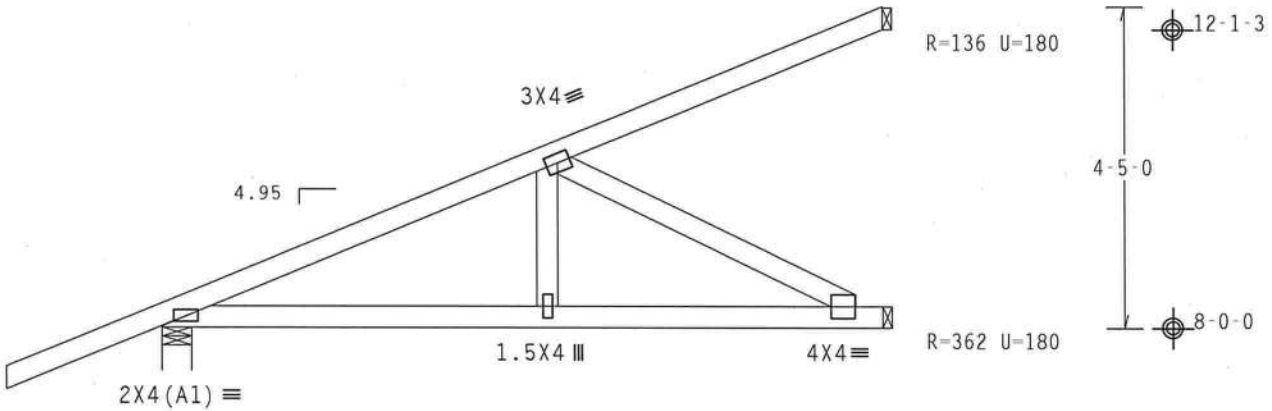
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -2.12 to 62 PLF at 0.00
TC - From 31 PLF at 0.00 to 31 PLF at 9.90
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
BC - From 10 PLF at 0.00 to 10 PLF at 9.90
TC - -115 LB Conc. Load at 1.48
TC - 126 LB Conc. Load at 4.31
TC - 259 LB Conc. Load at 7.13
BC - -29 LB Conc. Load at 1.48
BC - 47 LB Conc. Load at 4.31
BC - 107 LB Conc. Load at 7.13

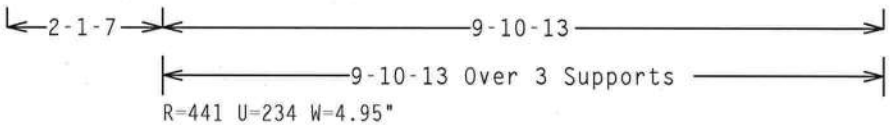
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (3) 0.162x3.5" 16d Common toe-nails at Bottom Chord.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.04 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE NO.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70680
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040064
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	89482 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	SEE ABOVE	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - CJ1)

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

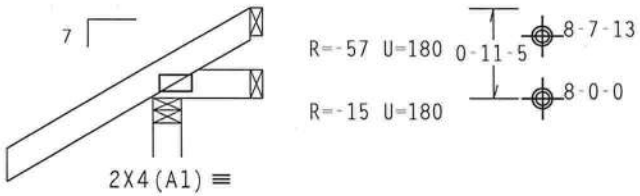
Wind reactions based on MWFRS pressures.

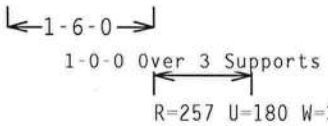
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

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.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70681
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040063
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20091
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - HJ2)

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

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.

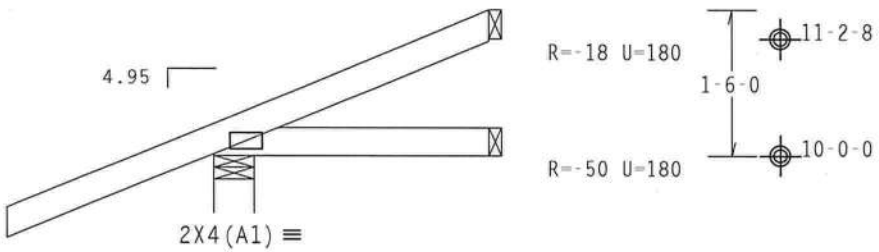
Wind reactions based on MWFRS pressures.

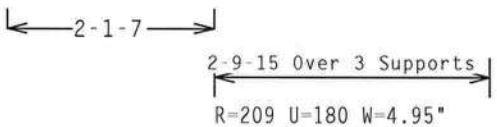
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -2.12 to 62 PLF at 2.83
BC - From 4 PLF at -2.12 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 2.83
TC - -115 LB Conc. Load at 1.48
BC - -115 LB Conc. Load at 1.48

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70682
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040065
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20323
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - EJ7)

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

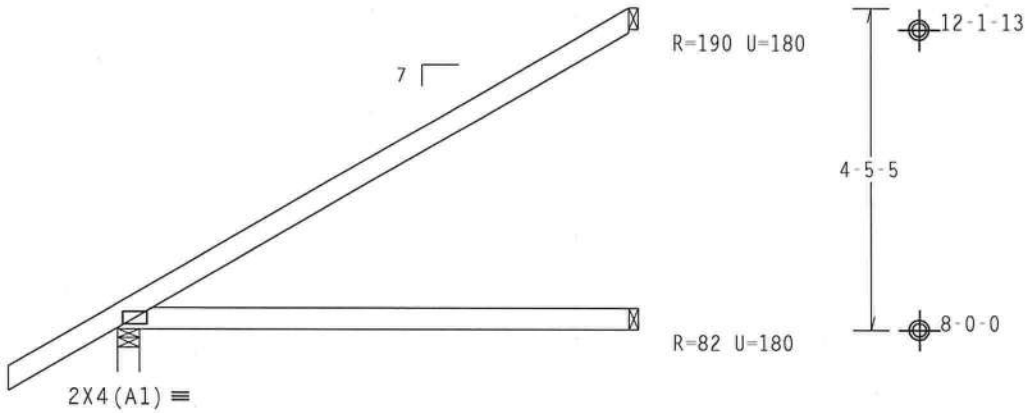
Wind reactions based on MWFRS pressures.

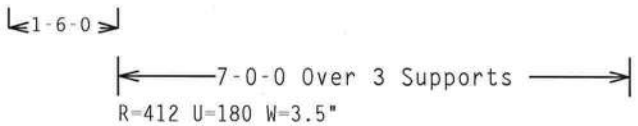
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

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.

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

PLT TYP. Wave

Scale =.375"/Ft.

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

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70683
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040060
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20107
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - EJ7 GE)

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

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 2.50 PSF. Top chord must not be cut or notched.

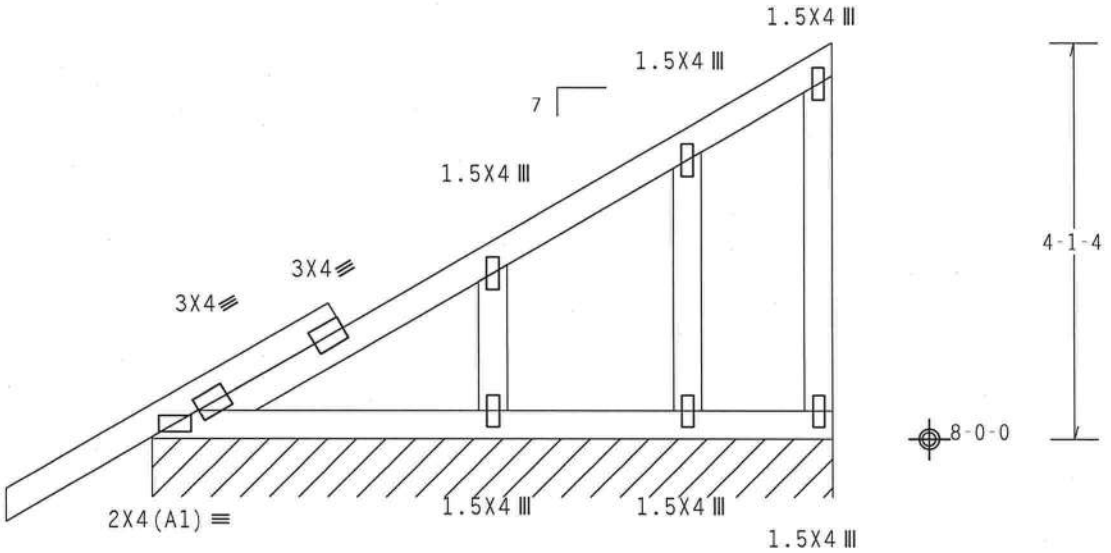
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

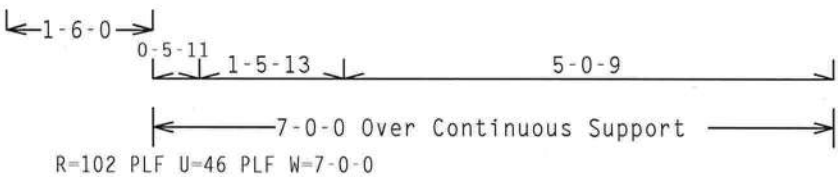
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

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





R=102 PLF U=46 PLF W=7-0-0

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
Ft. Certificate of Authorization #667

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09,07

TC LL	20.0 PSF	REF	R8228- 70684
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040066
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20113
DUR.FAC.	1.25	FROM	JFB
SPACING	SEE ABOVE	JREF-	1T408228Z03

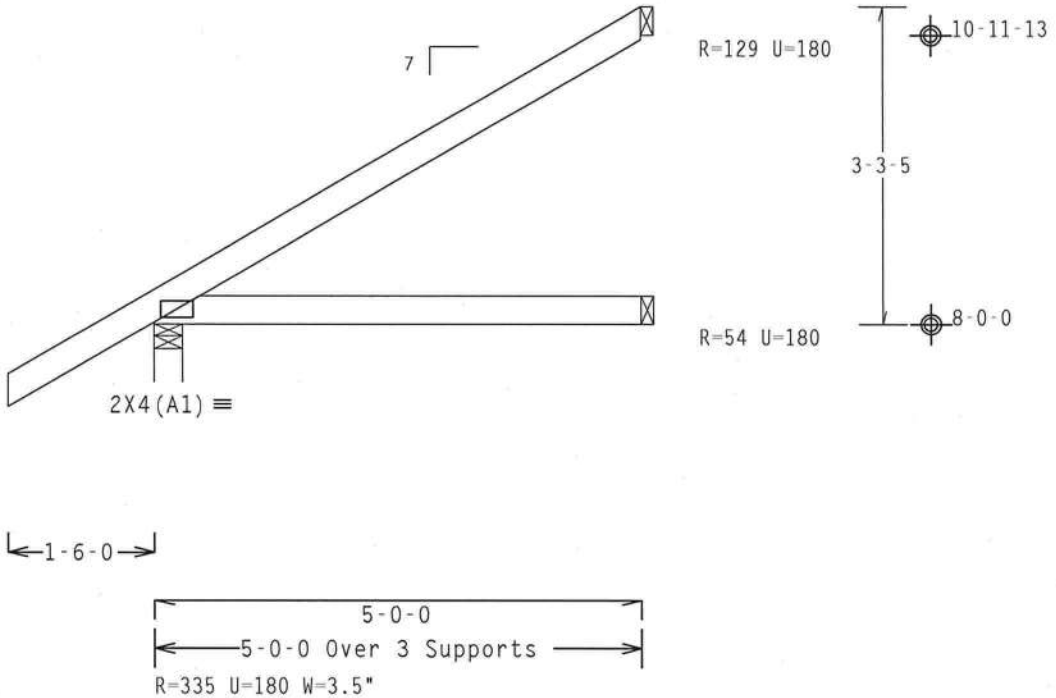
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70685
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040079
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	150995
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - EJ7T)

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

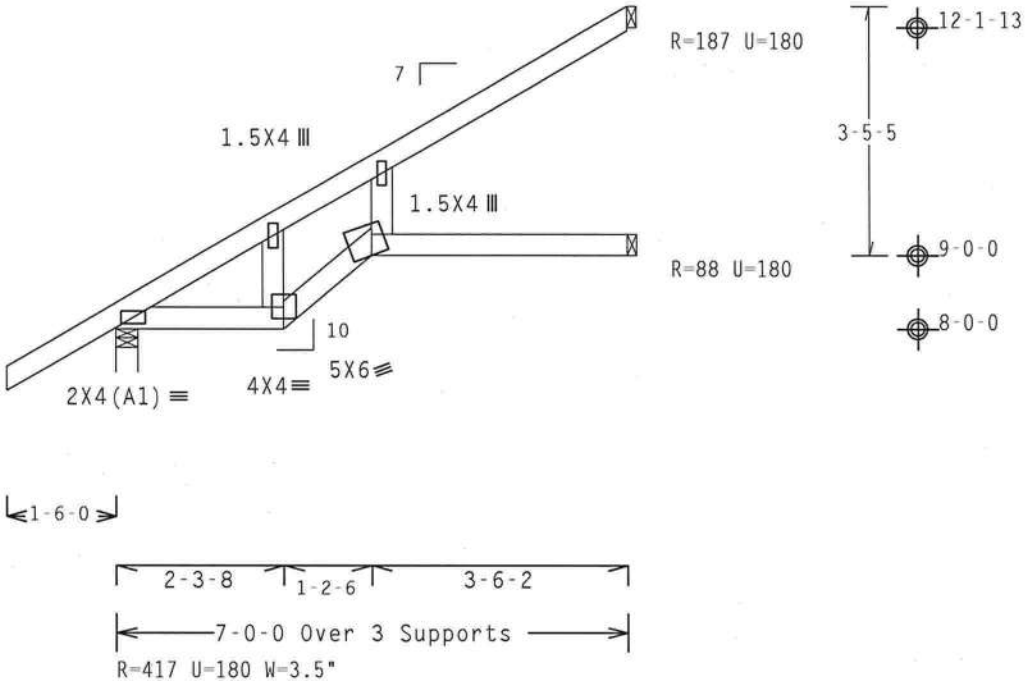
Wind reactions based on MWFRS pressures.

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

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

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.

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

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE

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

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ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70686
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040067
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20246
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - EJ7Z)

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

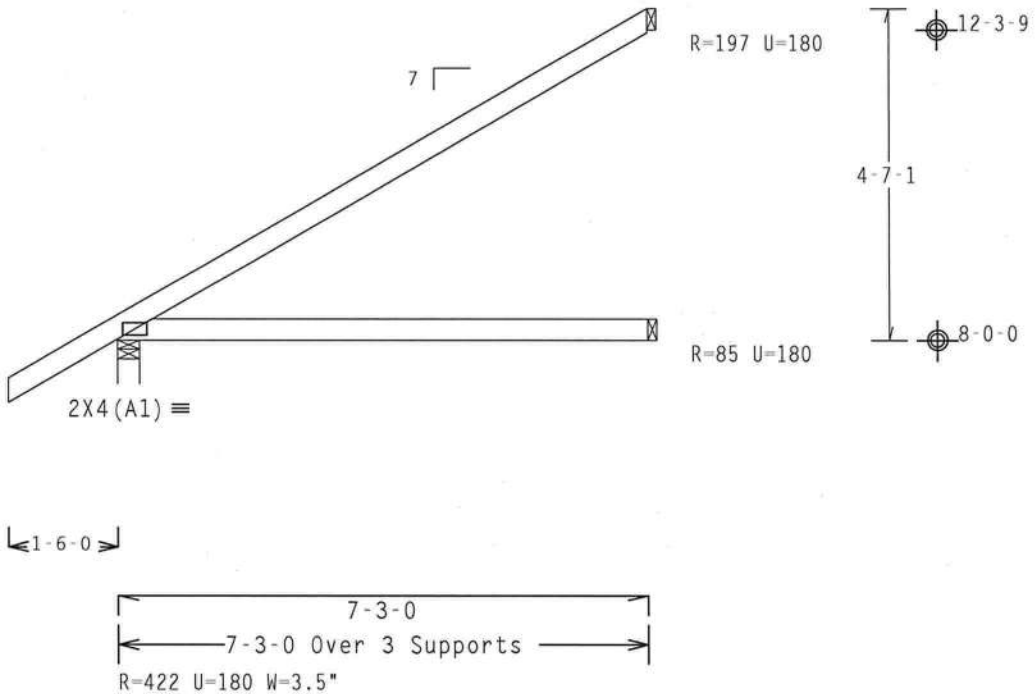
Wind reactions based on MWFRS pressures.

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

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
Ft. Certificate of Authorizatio #667

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 07,07

TC LL	20.0 PSF	REF R8228- 70687
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040068
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20301
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - EJ2)

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

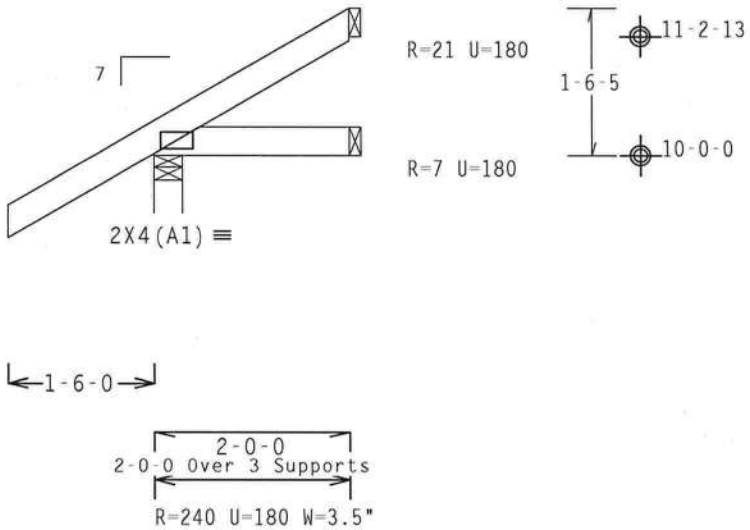
Wind reactions based on MWFRS pressures.

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

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #5677

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Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70688
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040069
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20319
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - EJ4 G)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
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.

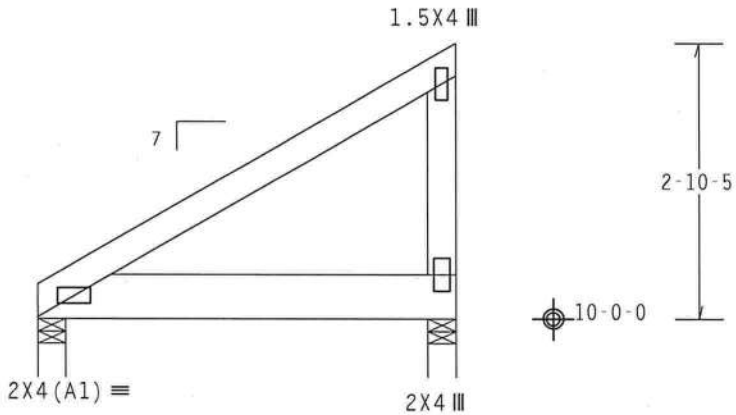
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 4.29
BC - From 20 PLF at 0.00 to 20 PLF at 4.29
BC - 519 LB Conc. Load at 2.06, 4.06

Wind reactions based on MWFRS pressures.

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.



←4-3-8 Over 2 Supports→
R=492 U=180 W=3.5" R=902 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70689
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040071
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20338
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

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

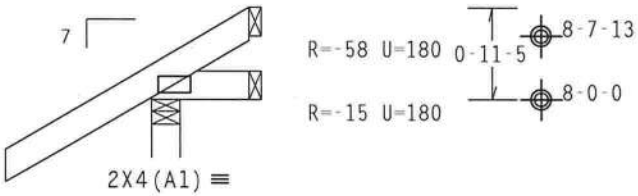
Wind reactions based on MWFRS pressures.

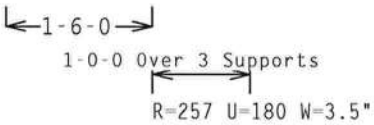
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

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.

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

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70690
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040109
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20356
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

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

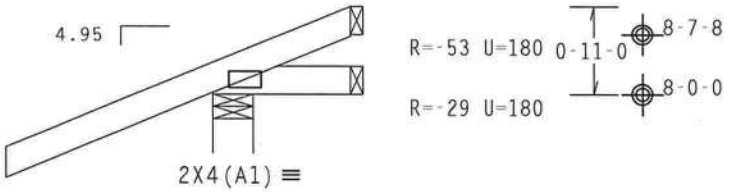
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

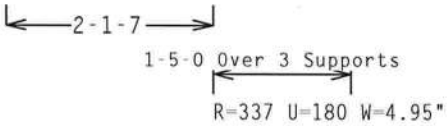
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord.
Provide (2) 0.162x3.5" 16d Common toe-nails at Bottom Chord.

Wind reactions based on MWFRS pressures.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 07

TC LL	20.0 PSF	REF	R8228- 70691
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040110
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20360
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T408228Z03

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
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 8.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - From 5 PLF at 7.00 to 5 PLF at 8.50
BC - 335 LB Conc. Load at 1.53
BC - 3186 LB Conc. Load at 3.46
BC - 1312 LB Conc. Load at 5.40

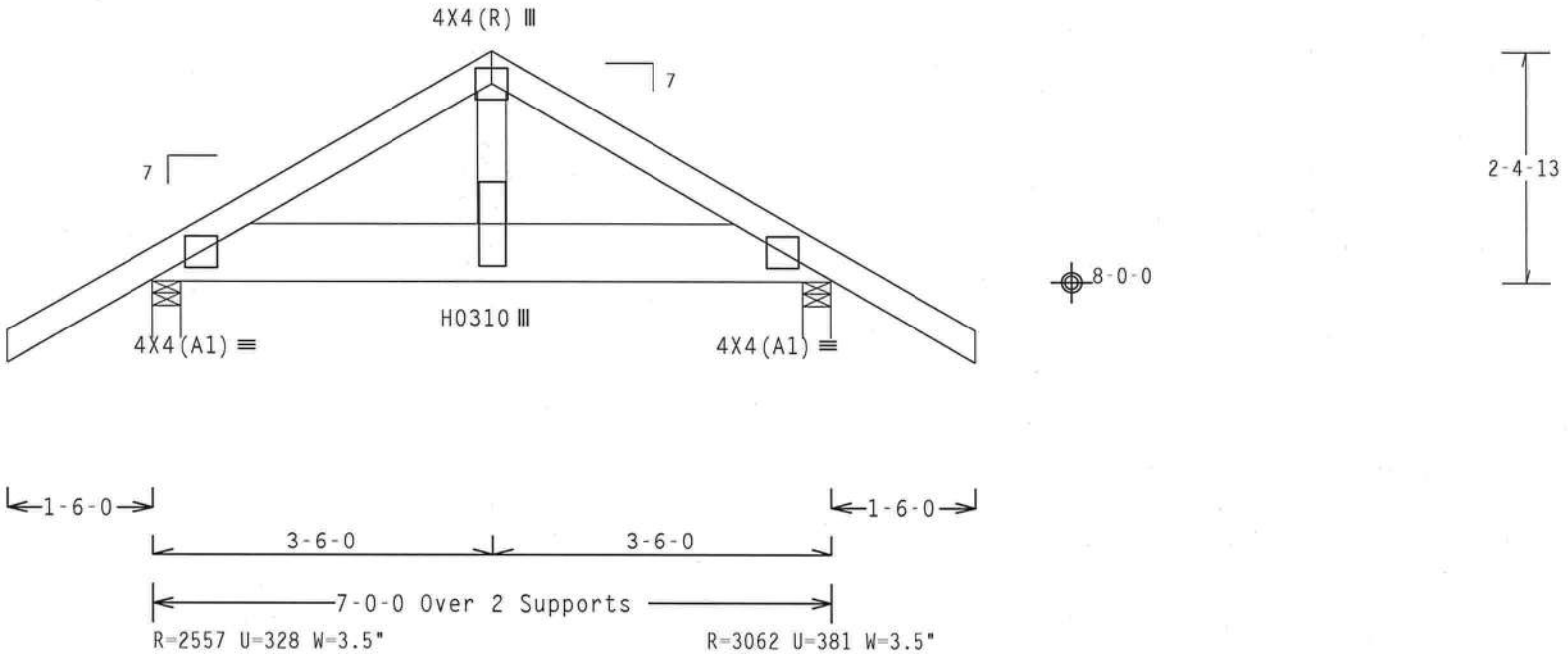
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 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.

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
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.25.04 [illegible]Y:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE NO.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70692
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040111
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	89521 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	SEE ABOVE	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - K1)

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 -1.50 to 63 PLF at 1.00
TC - From 63 PLF at 1.00 to 63 PLF at 1.58
TC - From 123 PLF at 1.58 to 123 PLF at 5.42
TC - From 63 PLF at 5.42 to 63 PLF at 6.00
TC - From 63 PLF at 6.00 to 63 PLF at 8.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - From 5 PLF at 7.00 to 5 PLF at 8.50
PLT- -111 LB Conc. Load at (1.00,8.90), (6.00,8.90)
PLT- -58 LB Conc. Load at (3.09,9.78), (3.50,10.02), (3.91,8.90)
PLB- -43 LB Conc. Load at (1.09,8.04), (5.91,8.04)
PLB- -15 LB Conc. Load at (3.09,8.04), (3.50,8.04), (3.91,8.04)

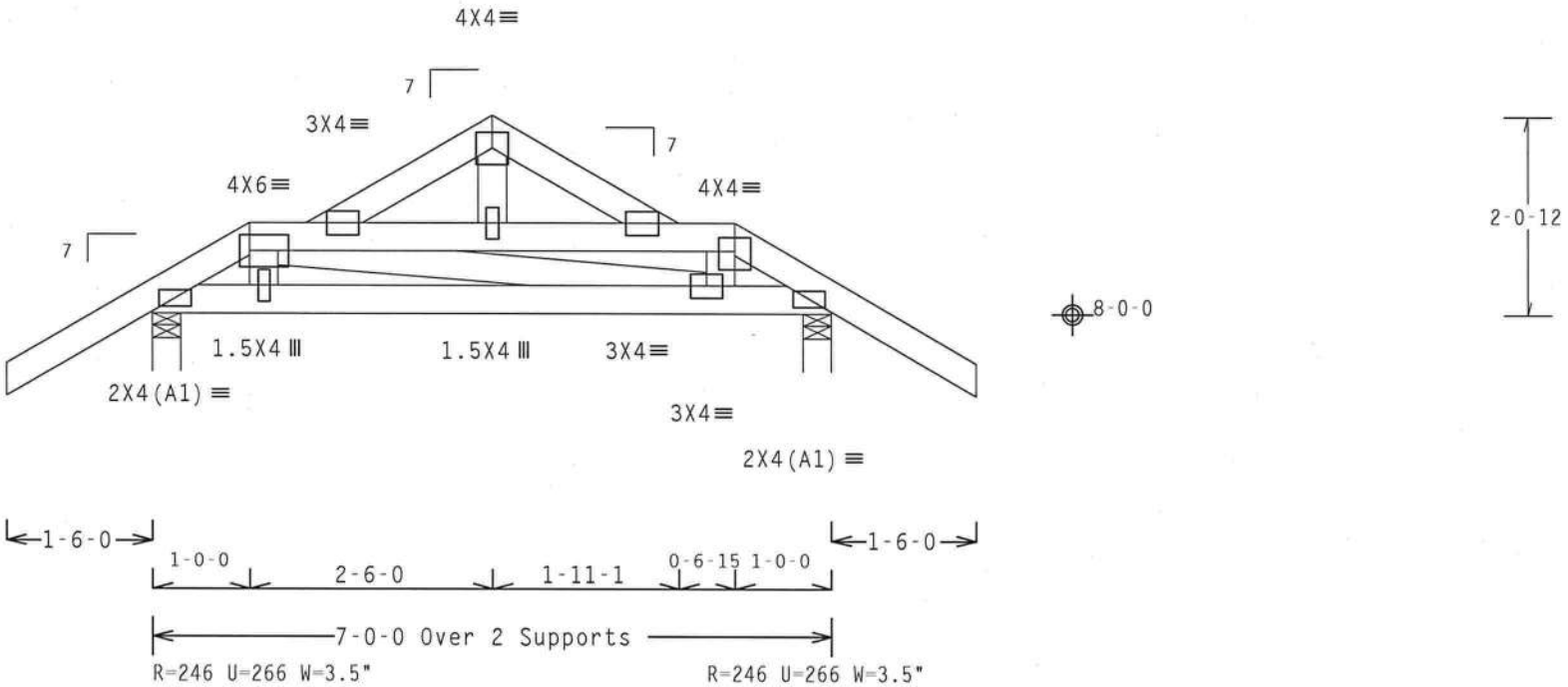
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

THIS BOSTON HIP IS DESIGNED TO SUPPORT 1-0-0 JACKS WITH NO WEBS. UP TO 1-4-0 OVERHANG IS ALLOWED IN TOP CHORD GABLE SECTION. REFER TO DRAWINGS A11015EE1106 AND GBLLETIN1106 FOR GABLE END REQUIREMENTS.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70693
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040112
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20363
DUR.FAC.	1.25	FROM	JFB
SPACING	SEE ABOVE	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - M1)

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

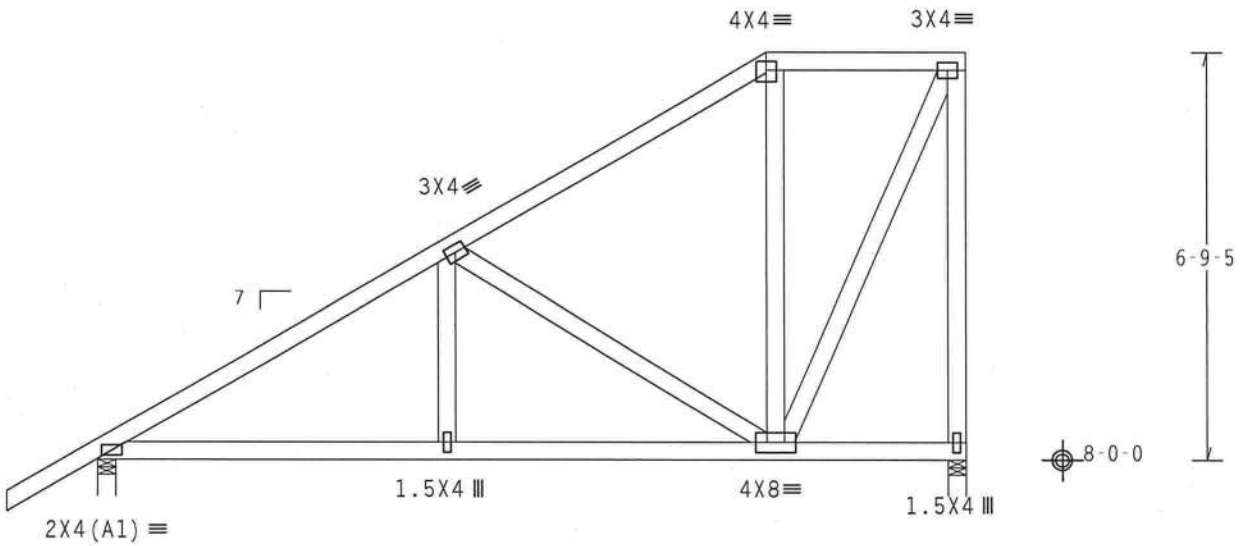
Wind reactions based on MWFRS pressures.

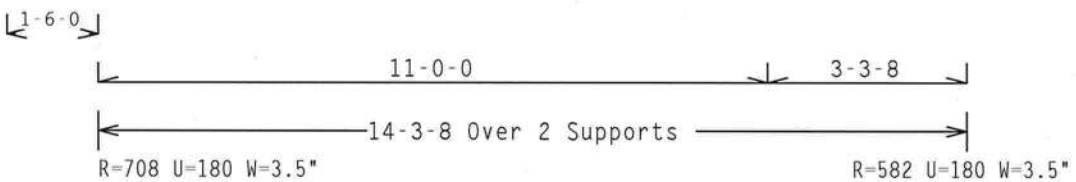
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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) 7.24.12 KEY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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Haines City, FL 33844
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Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70694
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040113
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20265
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T408228Z03

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

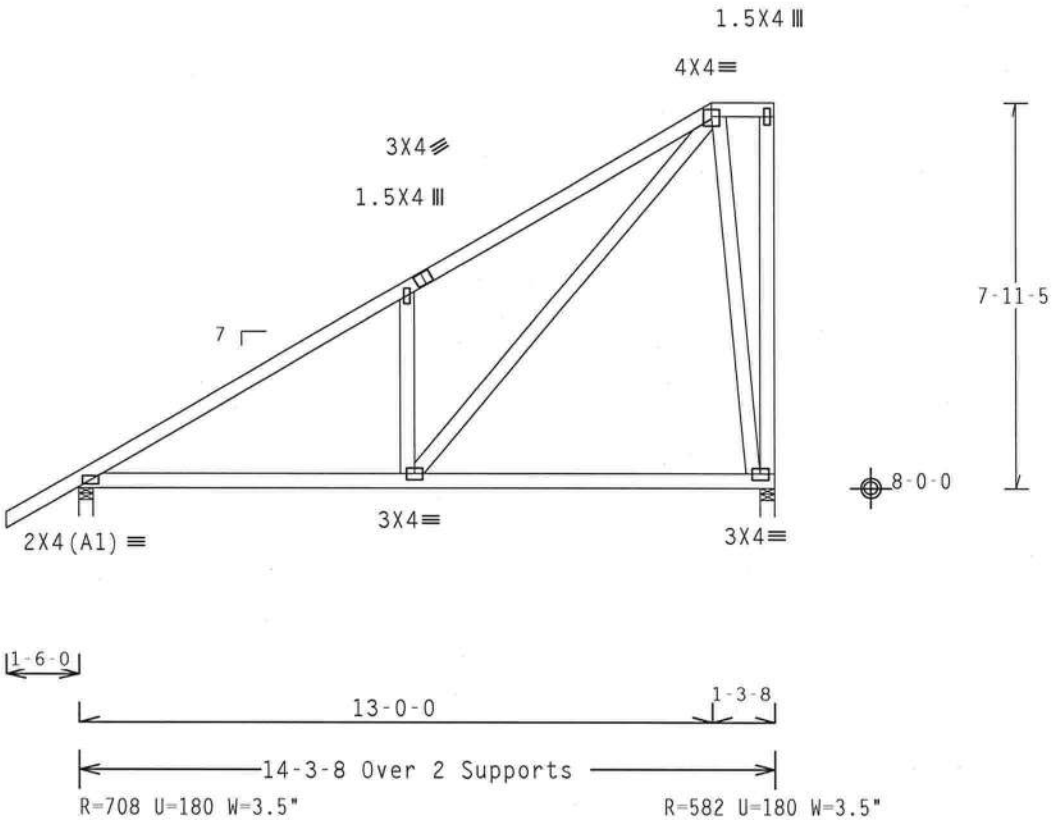
Wind reactions based on MWFRS pressures.

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.

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) 7.24.1 [illegible] CITY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.25"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70695
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040114
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20269
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - M3)

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

Wind reactions based on MWFRS pressures.

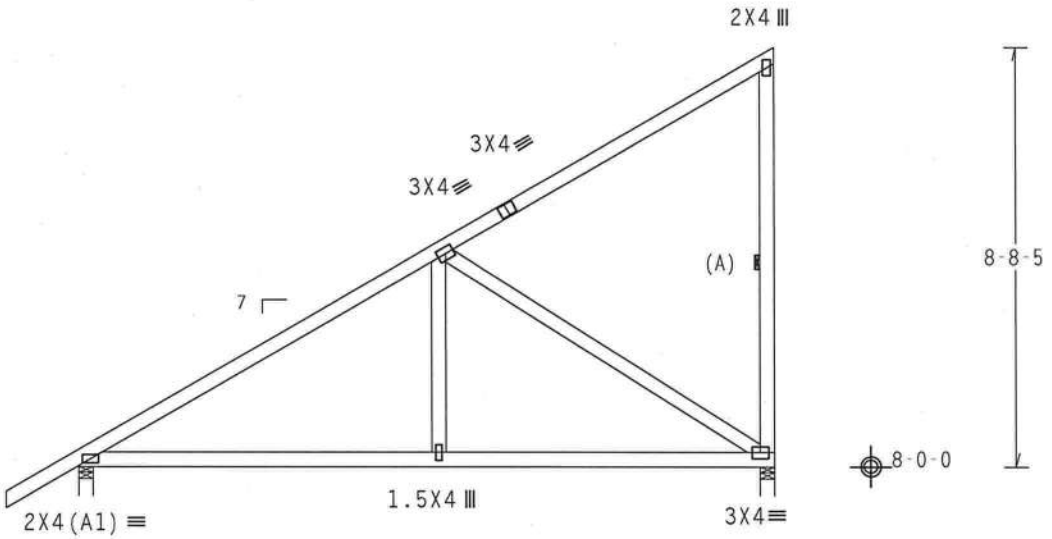
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.00 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.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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Haines City, FL 33844
FL Certificate of Authorization #567

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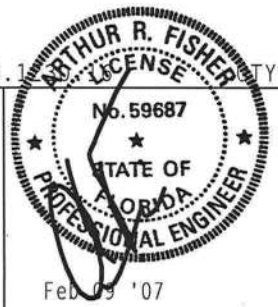


Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70696
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040115
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20273
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JRFF- 1T4Q8228Z03

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

Wind reactions based on MWFRS pressures.

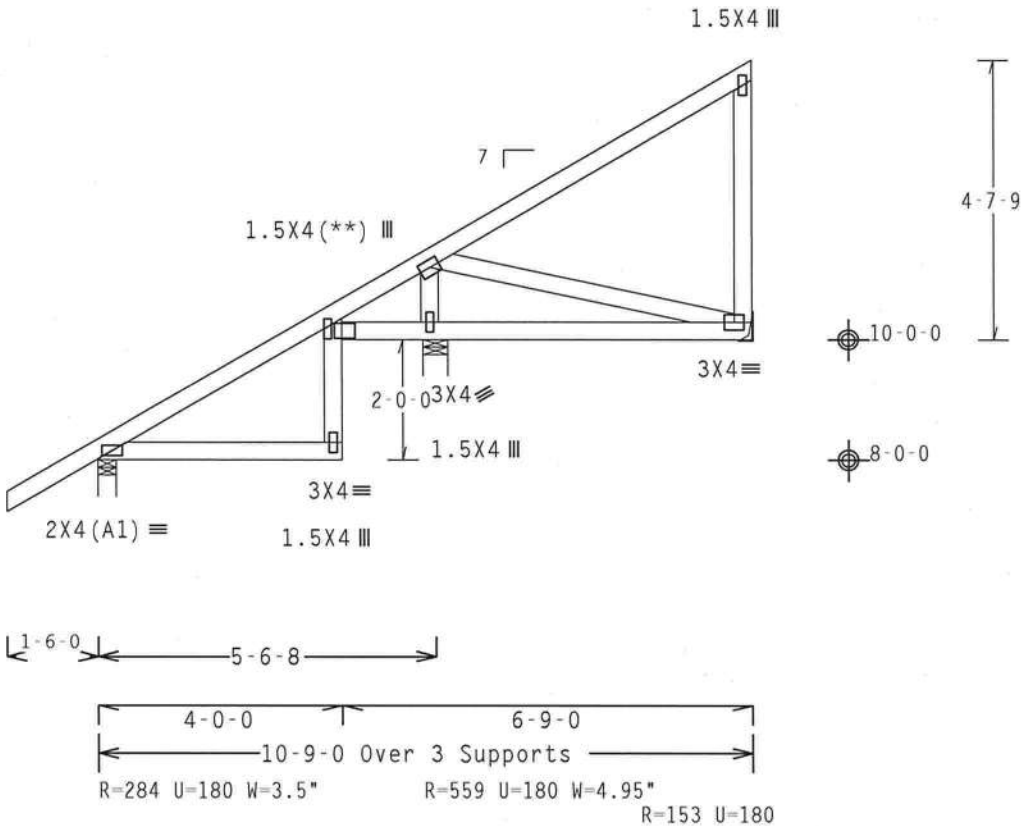
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

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

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 CSI:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

PLT TYP. Wave

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70697
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040100
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20277
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JRFF-	1T408228Z03

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

Wind reactions based on MWFRS pressures.

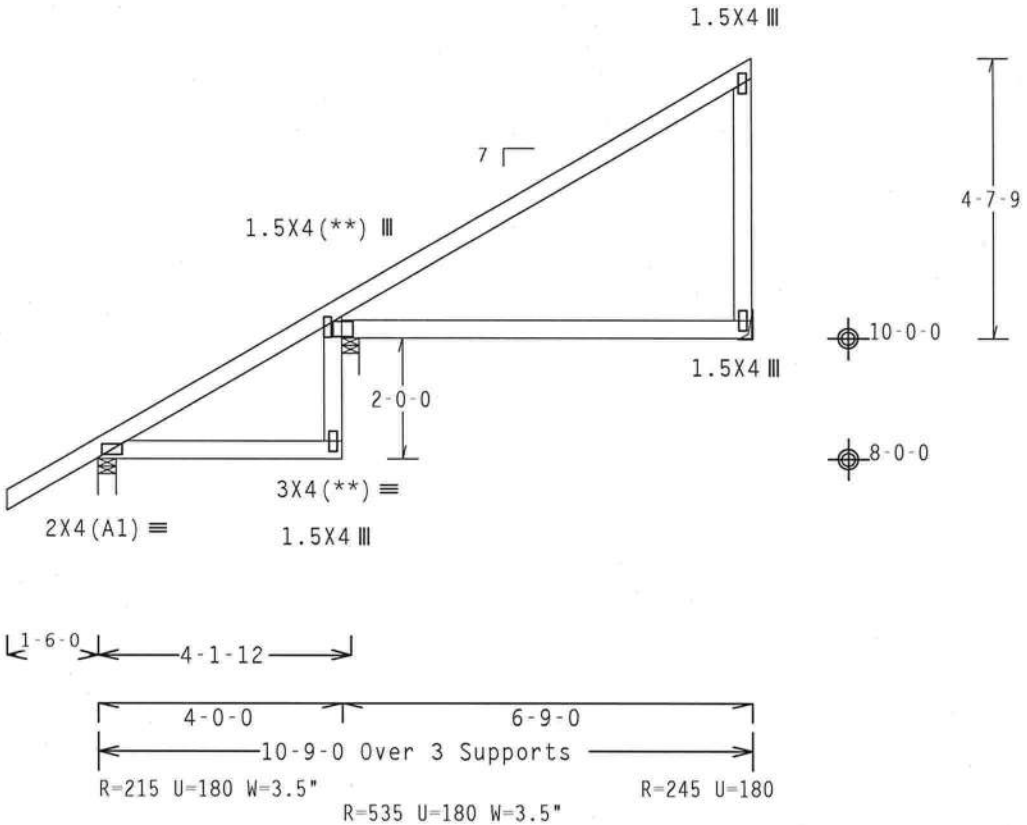
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

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

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.[illegible] TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.3125"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70698
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040101
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20281
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - M6)

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

Wind reactions based on MWFRS pressures.

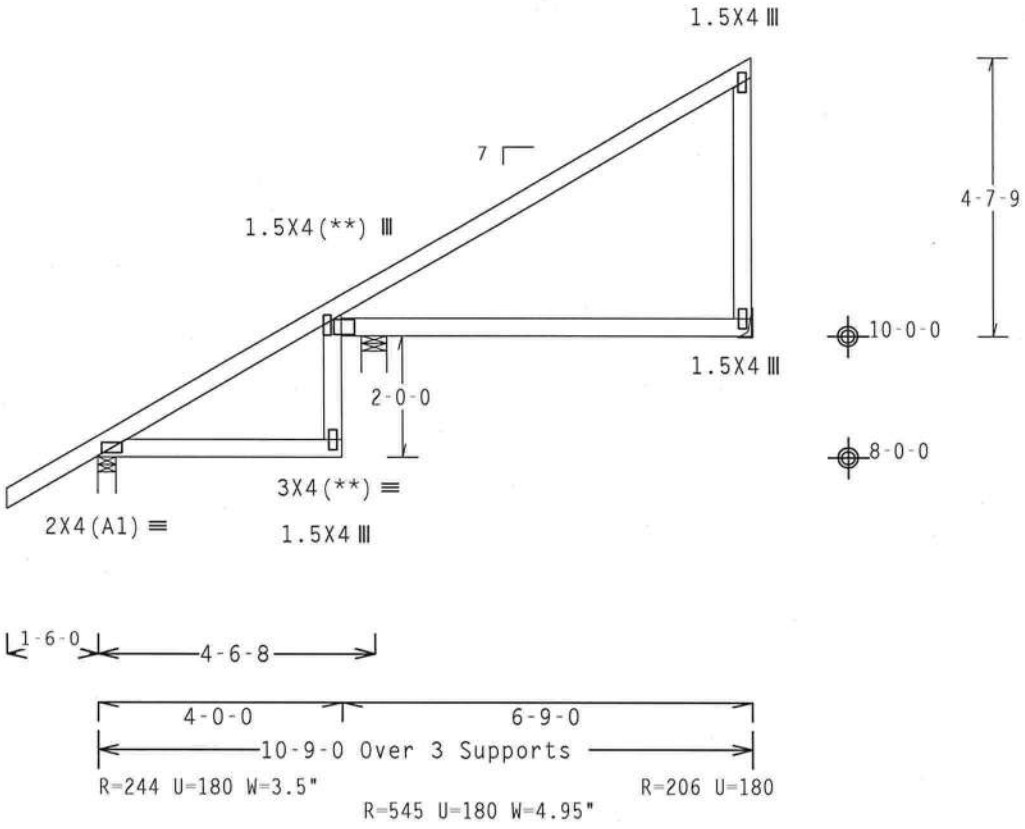
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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

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

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 07

TC LL	20.0 PSF	REF R8228- 70699
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040102
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20285
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - M9)

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

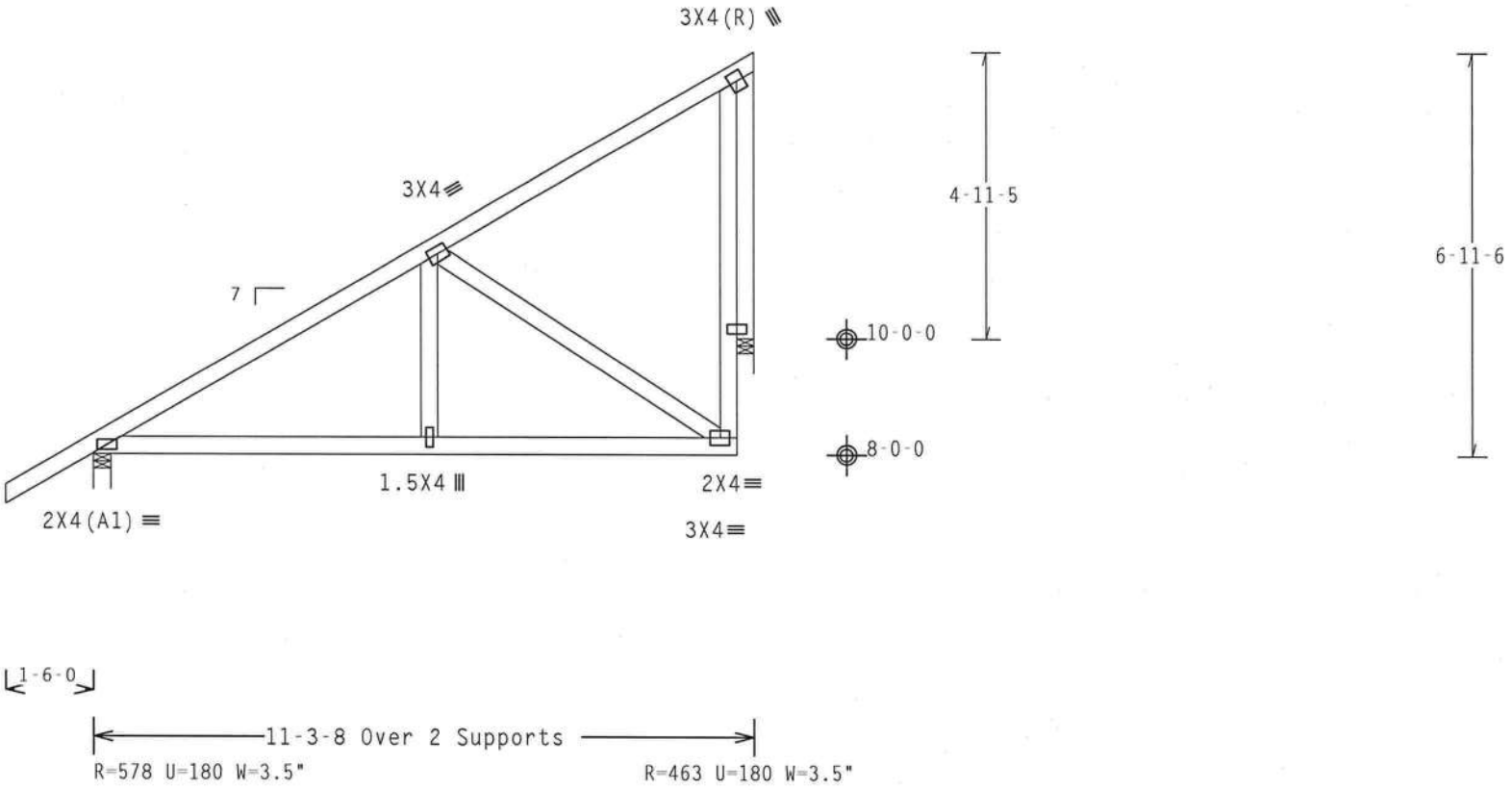
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70700
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040103
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20292
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - M10)

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

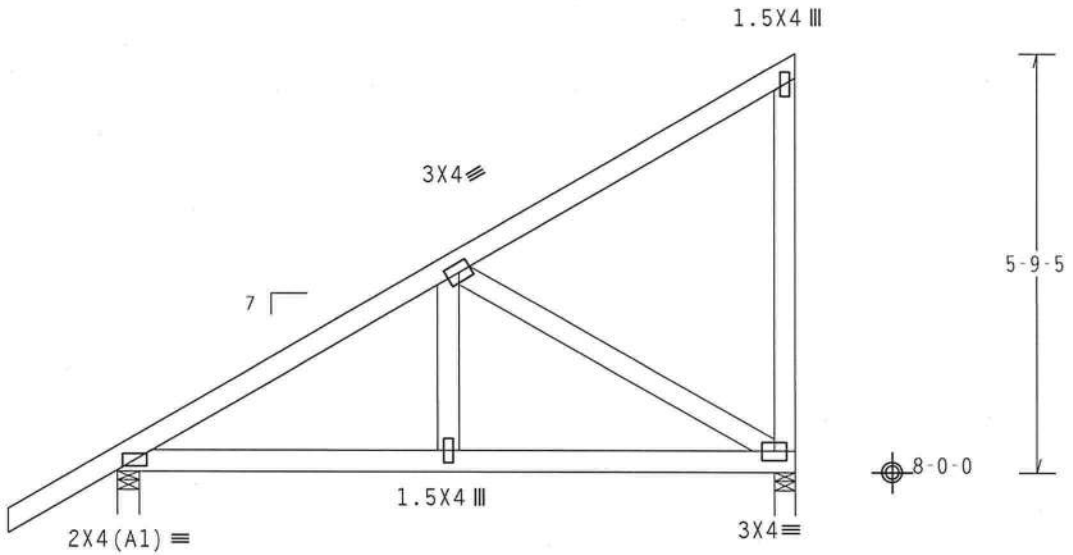
Wind reactions based on MWFRS pressures.

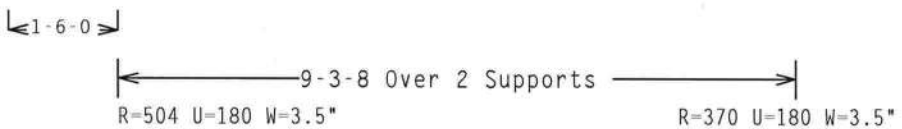
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

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 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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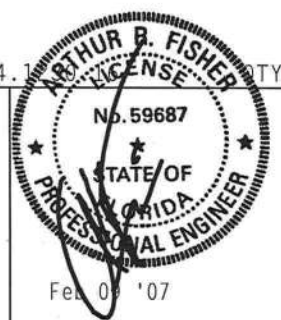


Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70701
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07040108
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 20295
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

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

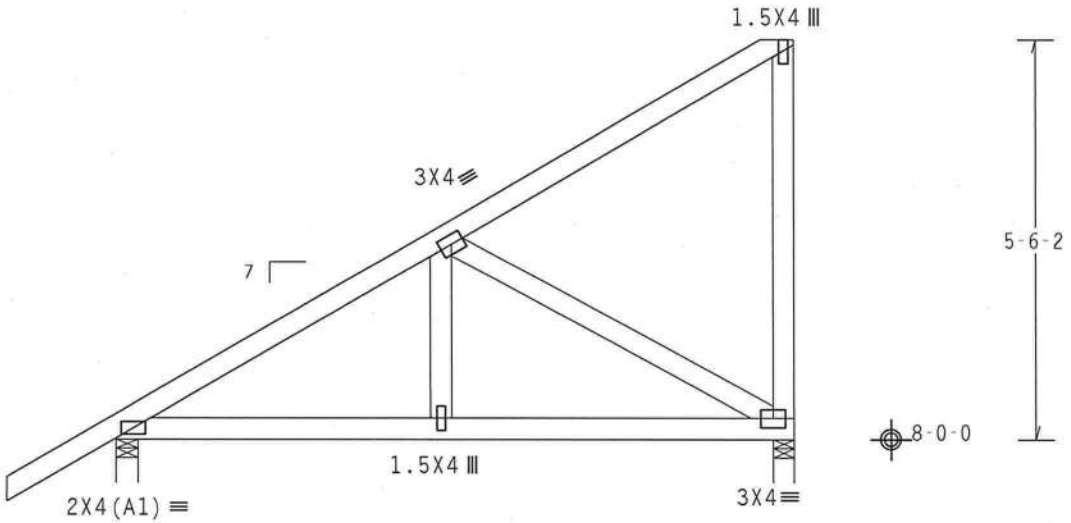
Wind reactions based on MWFRS pressures.

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.

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) 7.24.12 [illegible]Y:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 0[illegible] '07

TC LL	20.0 PSF	REF	R8228- 70702
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040107
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20298
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T408228Z03

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

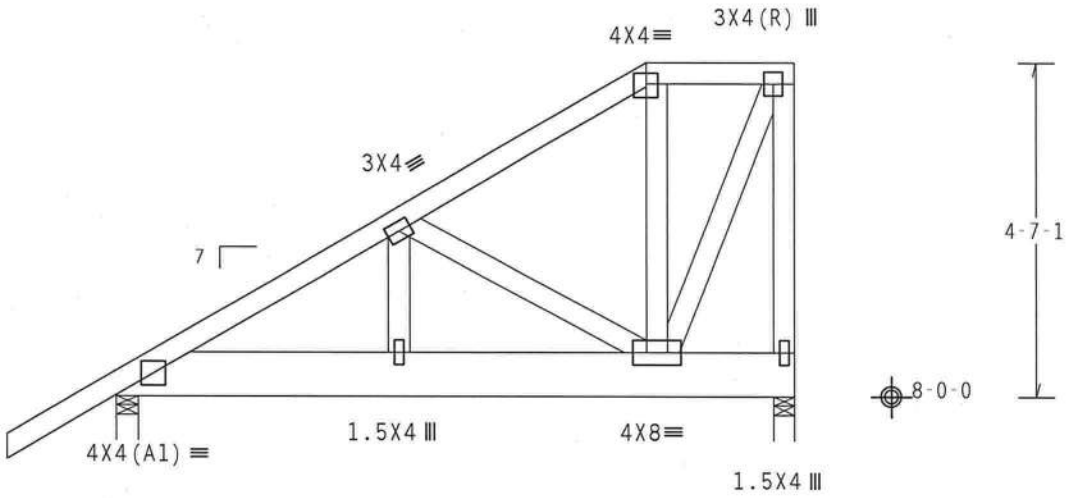
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -1.50 to 63 PLF at 9.29
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.29
TC - 321 LB Conc. Load at 7.31
BC - 456 LB Conc. Load at 7.25

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.

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

PLT TYP. Wave

Scale =.375"/Ft.

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

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

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ARTHUR R. FISHER LICENSE NO.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

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	SEE ABOVE

REF	R8228- 70703
DATE	02/09/07
DRW	HCUSR8228 07040106
	HC-ENG TCE/AF
SEQN-	89514 REV
FROM	JFB
JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - M GE)

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

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 2.50 PSF. Top chord must not be cut or notched.

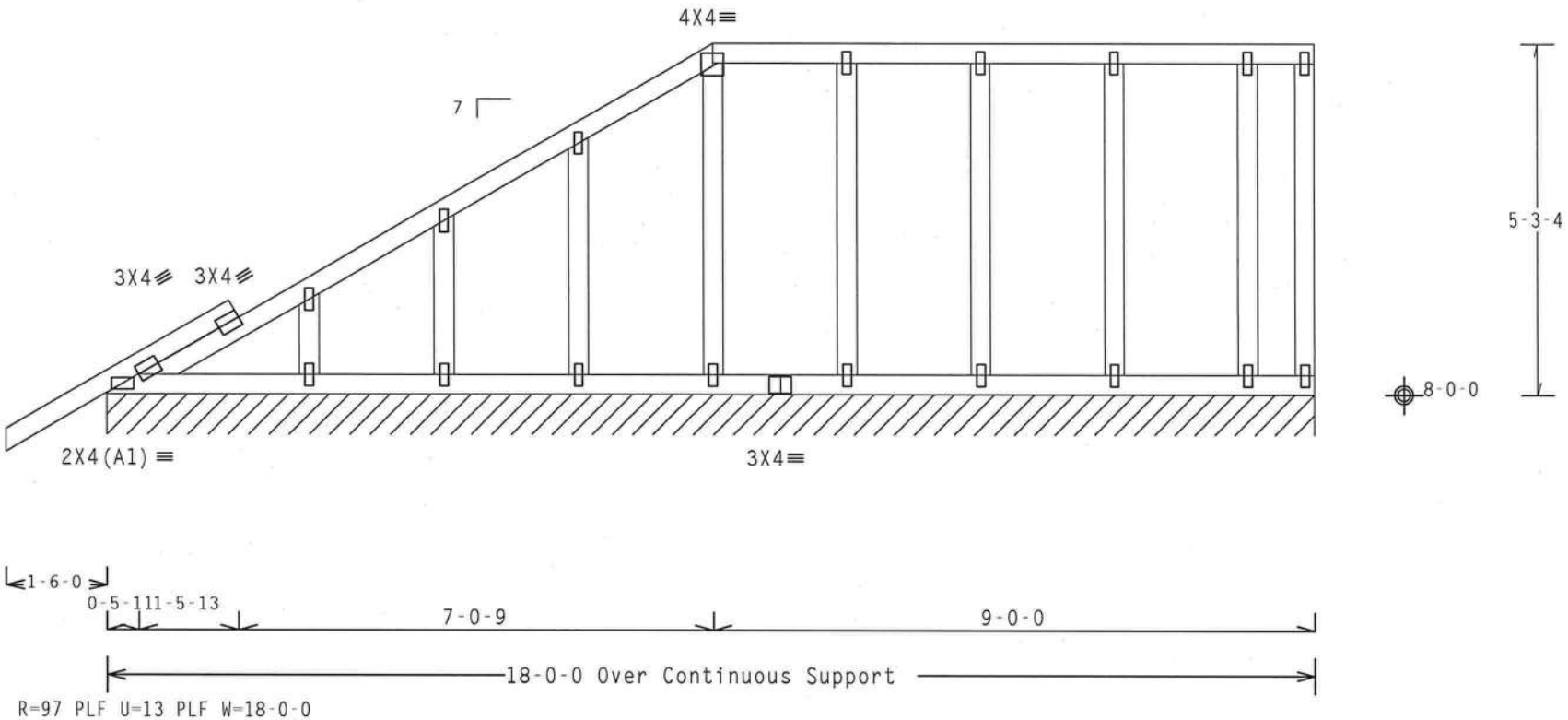
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

Right end vertical not exposed to wind pressure.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]Y:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF	R8228- 70704
TC DL	10.0 PSF	DATE	02/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07040116
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	20378
DUR.FAC.	1.25	FROM	JFB
SPACING	SEE ABOVE	JREF-	1T4Q8228Z03

(7-049--Stephen Crawford Construc SPEC HOUSE -- , ** - P1)

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

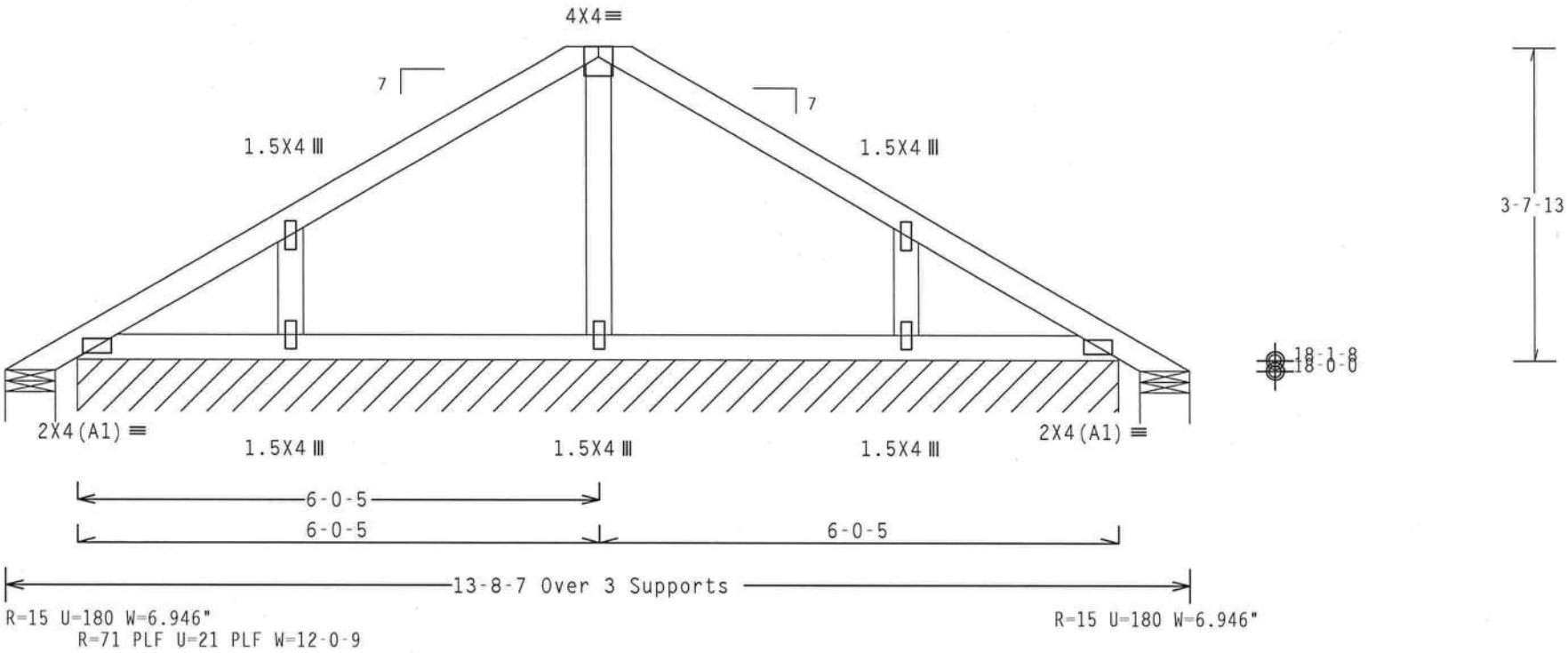
Wind reactions based on MWFRS pressures.

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

110 mph wind, 19.89 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=1.2 psf.

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

Refer to Dwg PIGBACKA1106 or PIGBACKB1106 for piggyback details. Portion of truss under piggyback is to be braced @ 24" oc unless otherwise specified.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70705
TC DL	10.0 PSF	DATE 02/09/07
BC DL	2.0 PSF	DRW HCUSR8228 07040117
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	32.0 PSF	SEQN- 20235
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4Q8228Z03

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

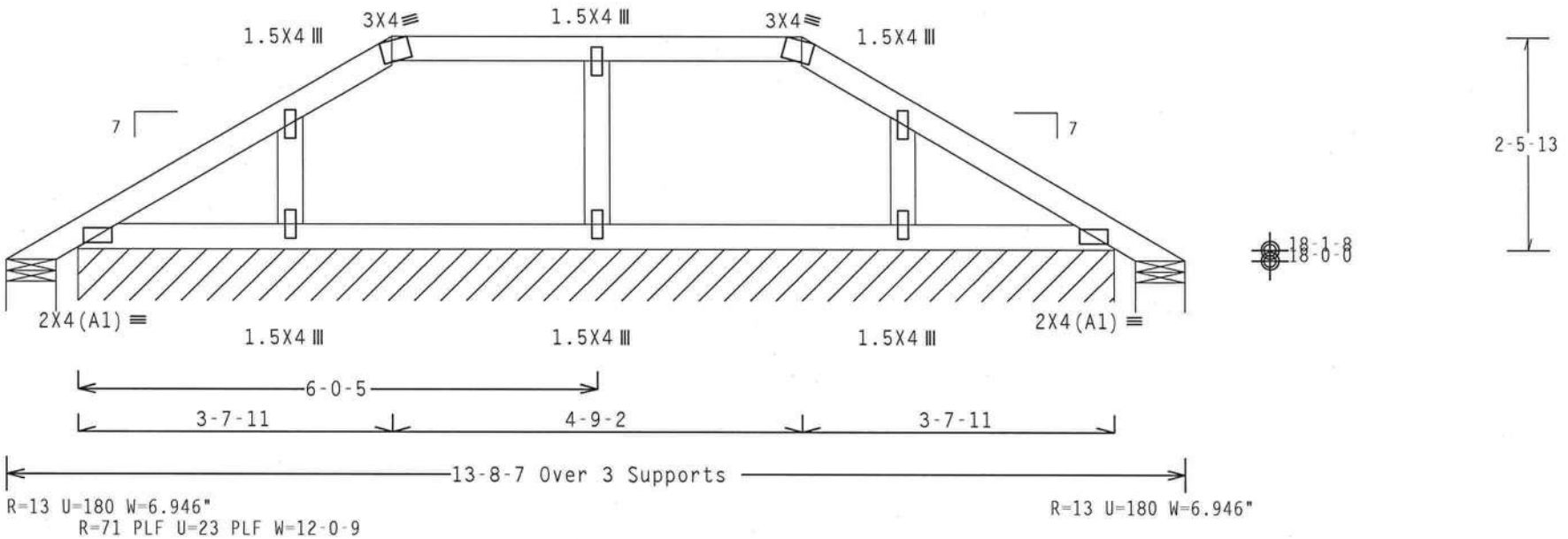
Wind reactions based on MWFRS pressures.

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

110 mph wind, 19.30 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=1.2 psf.

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

Refer to Dwg PIGBACKA1106 or PIGBACKB1106 for piggyback details. Portion of truss under piggyback is to be braced @ 24" oc unless otherwise specified.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Feb 09 '07

TC LL	20.0 PSF	REF R8228- 70706
TC DL	10.0 PSF	DATE 02/09/07
BC DL	2.0 PSF	DRW HCUSR8228 07040118
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	32.0 PSF	SEQN- 20238
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T408228Z03

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.

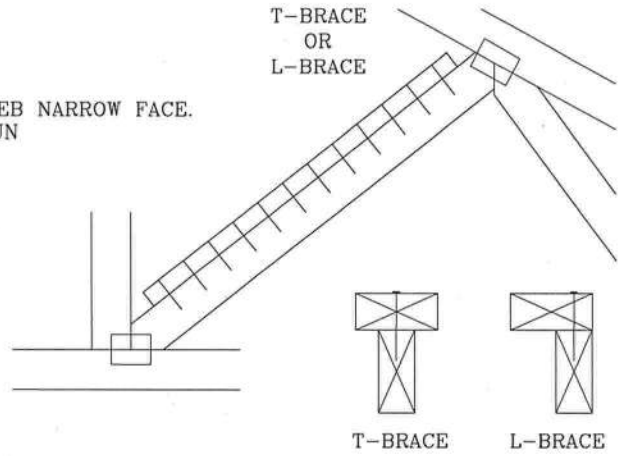
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

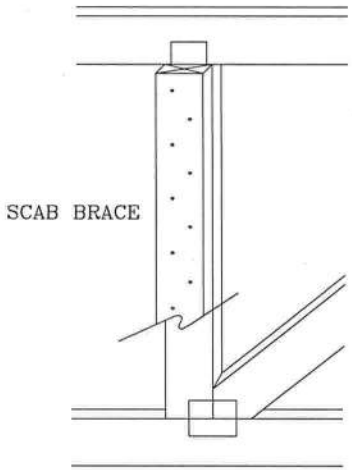
T-BRACING OR L-BRACING:

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



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISCHER LICENSE No. 79687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCLBSUB1106
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

BOTTOM CHORD FILLER DETAIL

* OPTIONAL INTERIOR OR CANTILEVER BEARING. MINIMUM PLATE SIZES (1X3 WAVE) MAY BE USED IF BEARING IS OMITTED. WEDGE OR VERTICAL MEMBER MUST COINCIDE WITH BEARING LOCATION.

0.120" X 1.375", NAILS, REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS.

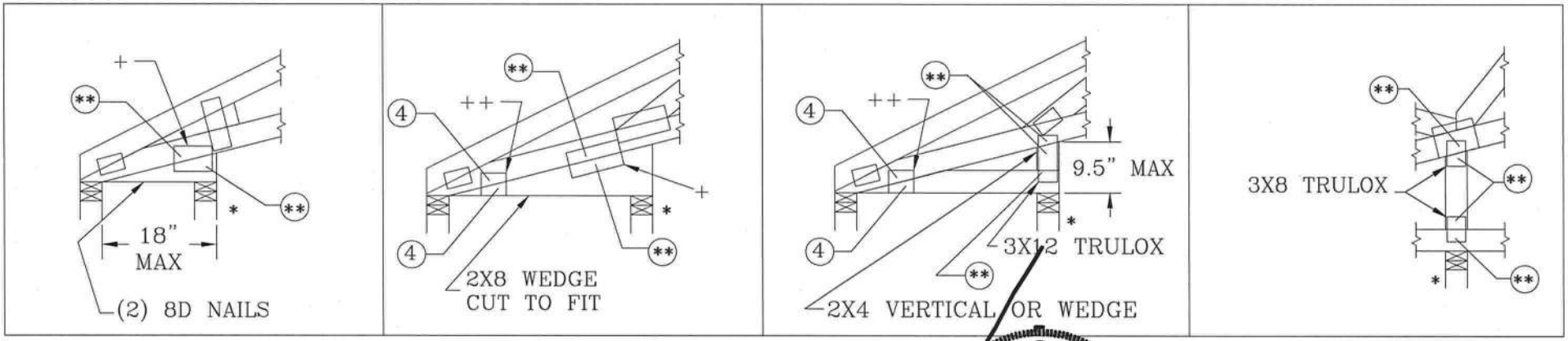
\+ 3X4 WAVE OR 4X8 TRULOX

++ 2X4 WAVE OR 3X6 TRULOX

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

ALL TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMODATE REQUIRED NAILS (**)

FILLER BOTTOM CHORD OR WEDGE SPECIES	MAXIMUM REACTION		MINIMUM	** REQUIRED NAILS PER FACE WITH TRULOX PLATES				
	DOWNWARD	UPLIFT	BEARING AREA	1.00 D.O.L.	1.15 D.O.L.	1.25 D.O.L.	1.33 D.O.L.	1.60 D.O.L.
DOUGLAS FIR-LARCH	3281#	1656#	1.5" X 3.5"	12	11	10	9	8
HEM-FIR	2126#	1095#	1.5" X 3.5"	9	8	7	7	6
SPRUCE-PINE-FIR	2231#	1192#	1.5" X 3.5"	10	9	8	8	6
SOUTHERN PINE DENSE	3465#	1791#	1.5" X 3.5"	12	11	10	9	8
SOUTHERN PINE	2966#	1492#	1.5" X 3.5"	10	9	8	8	7
SOUTHERN PINE NON-DENSE	2520#	1343#	1.5" X 3.5"	9	8	7	7	6



DRAWING REPLACES DRAWINGS A115 A115/R & 884,132

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER LICENSE No. 59697 STATE OF FLORIDA PROFESSIONAL ENGINEER

Feb 09

TC LL	—	PSF	REF BC FILLER
TC DL	—	PSF	DATE 11/1/06
BC DL	10.0	PSF	DRWG BCFILLER1106
BC LL	—	PSF	-ENG DLJ/KAR
TOT. LD.	—	PSF	
DUR. FAC. 1.0/1.15/1.25/1.33			
SPACING 24.0"			

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

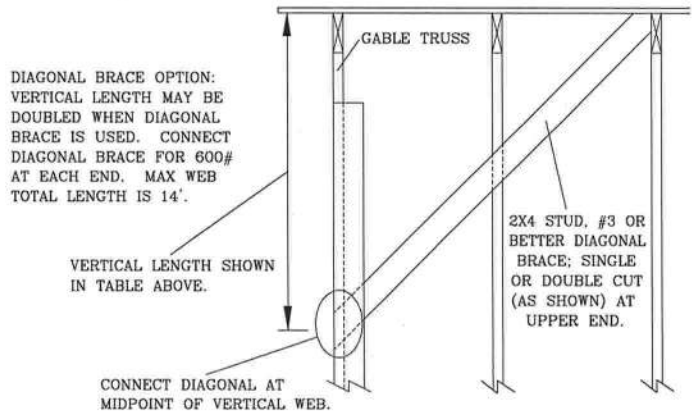
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

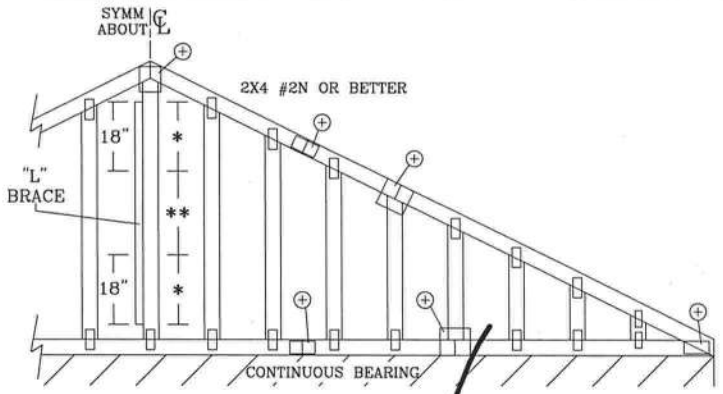
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

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

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

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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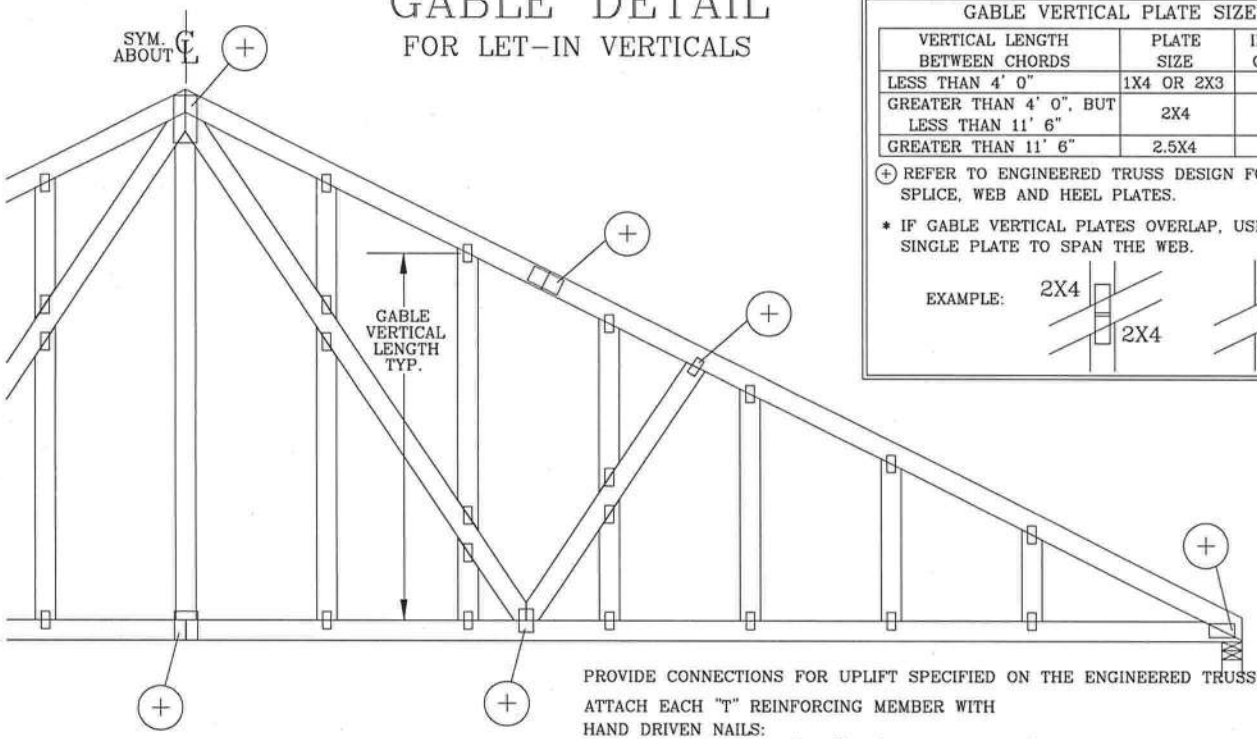
ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	11/1/06
DRWG	A11015EE1106
-ENG	

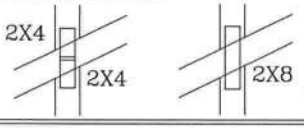
GABLE DETAIL
FOR LET-IN VERTICALS

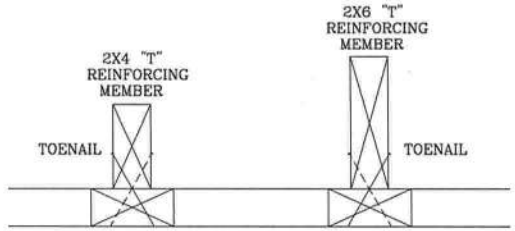


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE: 



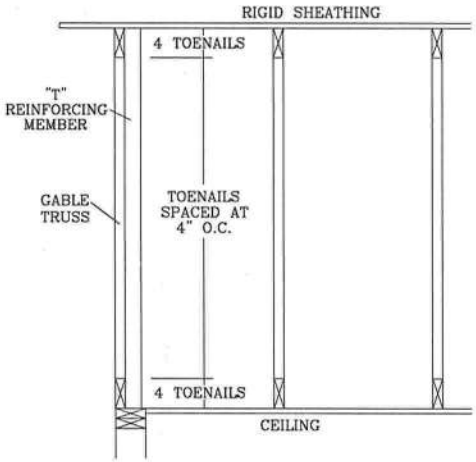
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

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

GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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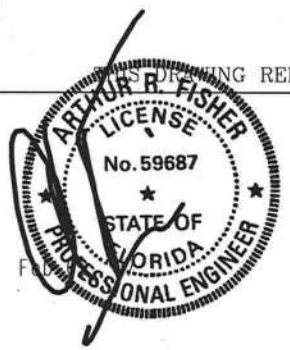


MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

REF	LET-IN VERT
DATE	11/1/06
DRWG	GBLLETIN1106
-ENG	DLJ/KAR

PIGGYBACK DETAIL

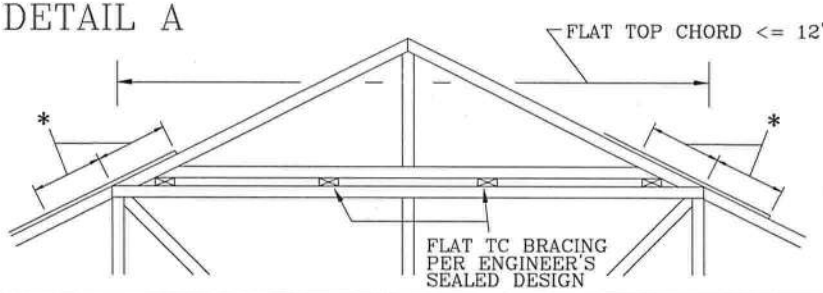
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

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

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

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

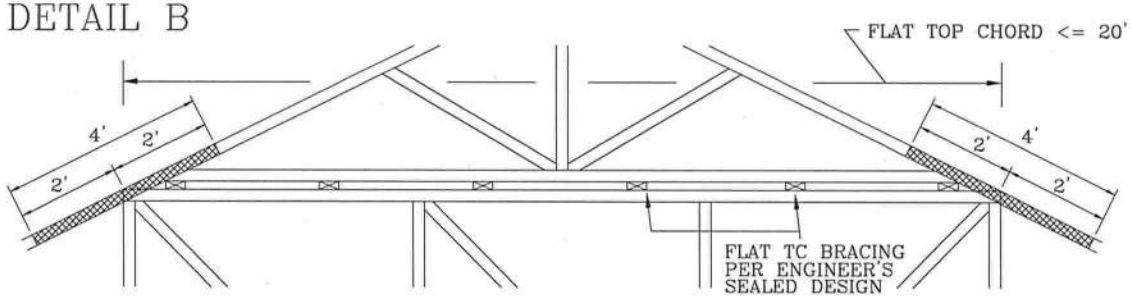
DETAIL A



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

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

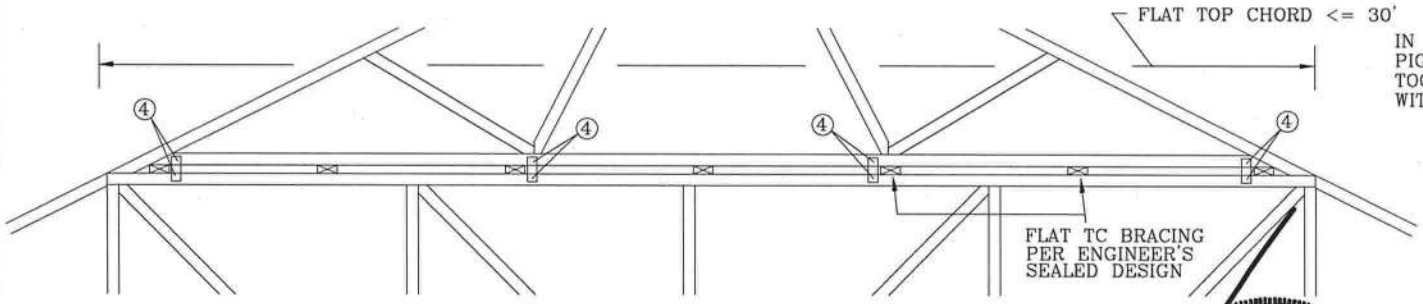
DETAIL B



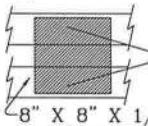
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"X3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

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



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



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

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR K. FISHER
LICENSE
No. 59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Feb

TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	PIGBACKA1106
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

PIGGYBACK DETAIL

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

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

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

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

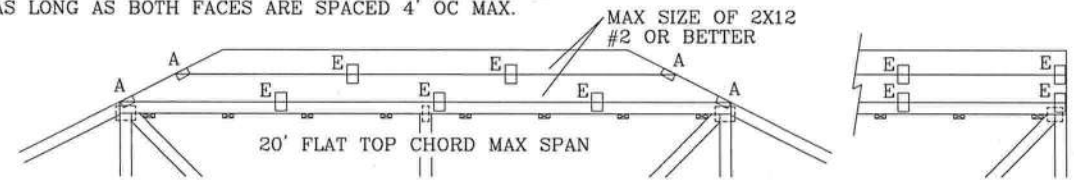
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

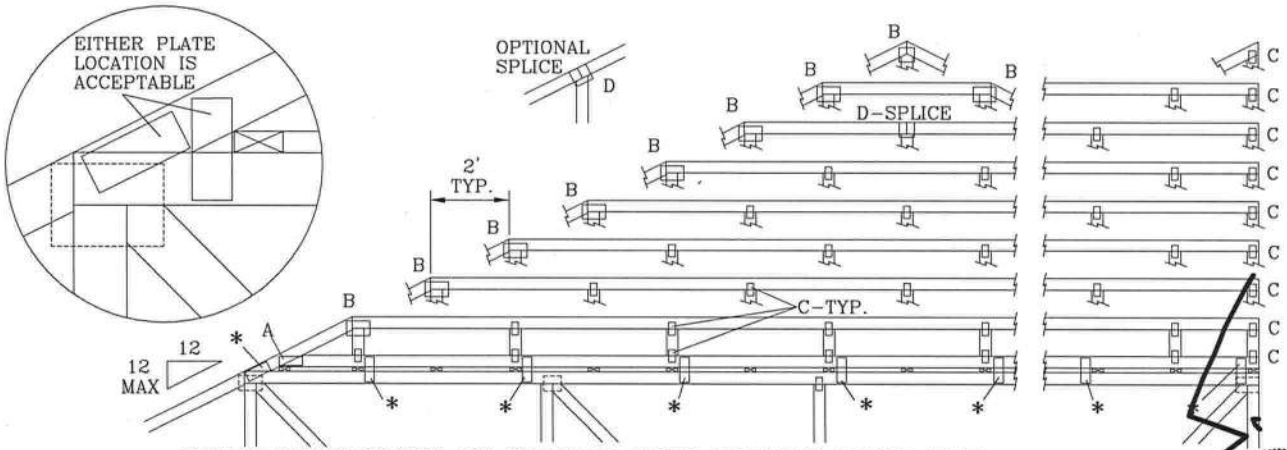
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

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

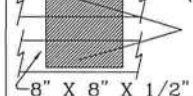
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

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





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



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

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

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

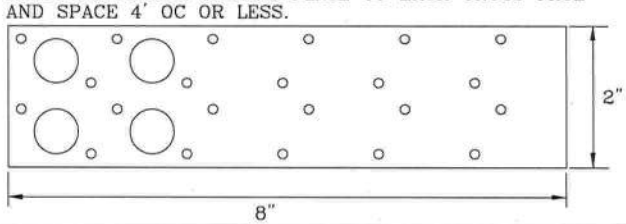
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

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

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

* PIGGYBACK SPECIAL PLATE

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



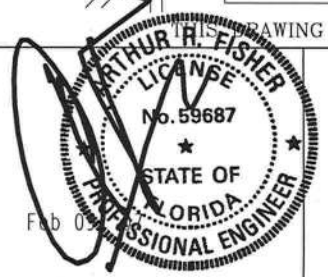
THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

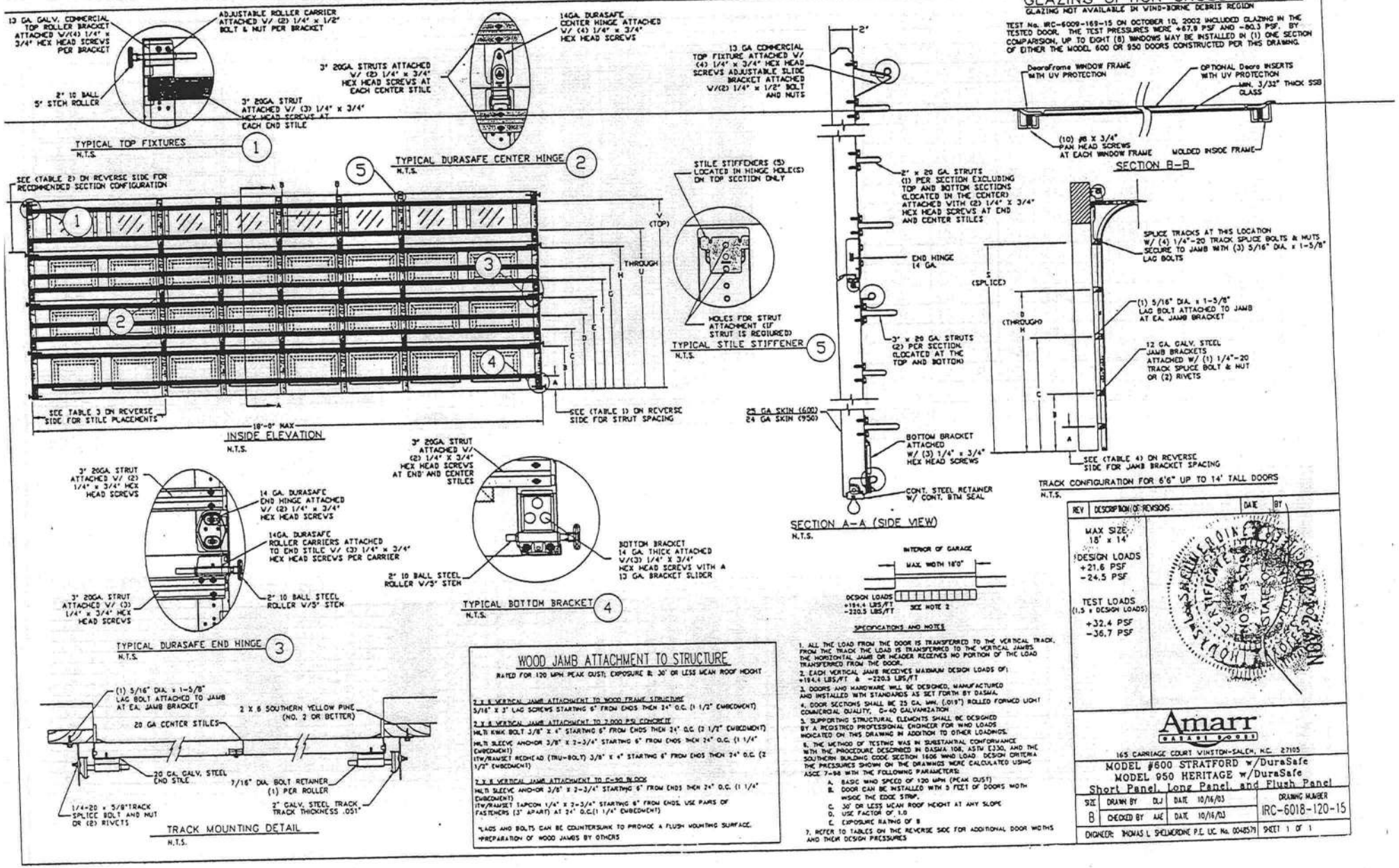


Feb 05

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

REF	PIGGYBACK
DATE	11/1/06
DRWG	PIGBACKB1106
-ENG	DLJ/KAR

18x7



WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 120 MPH PEAK GUST; EXPOSURE B, 30' OR LESS MEAN ROOF HEIGHT

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.(1 1/4" EMBEDMENT)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

SPECIFICATIONS AND NOTES

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK. FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +184.4 LBS/FT & -220.5 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") ROLLED FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108, ASTM E330, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98 WITH THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 120 MPH (PEAK GUST)
   B. DOOR CAN BE INSTALLED WITH 3 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 30' OR LESS MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF B
7. REFER TO TABLES ON THE REVERSE SIDE FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE: 18' x 14'

DESIGN LOADS +21.6 PSF -24.5 PSF

TEST LOADS (1.5 x DESIGN LOADS) +32.4 PSF -36.7 PSF

THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 STATE OF FLORIDA

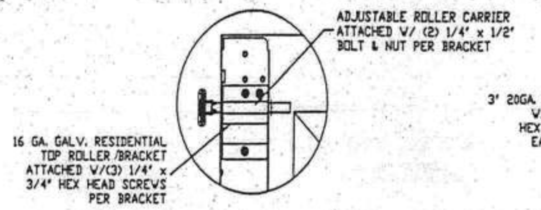
Amarr GARAGE DOORS

165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

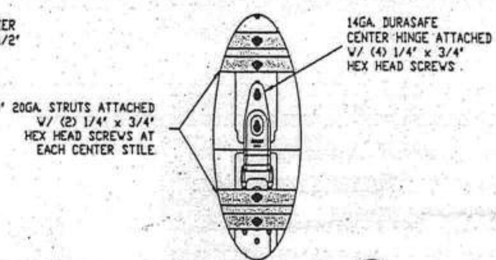
MODEL #600 STRATFORD w/DuraSafe
MODEL 950 HERITAGE w/DuraSafe
Short Panel, Long Panel, and Flush Panel

SIZE	DRAWN BY	DLJ	DATE	10/16/03	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	10/16/03	IRC-6018-120-15
ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579					SHEET 1 OF 1

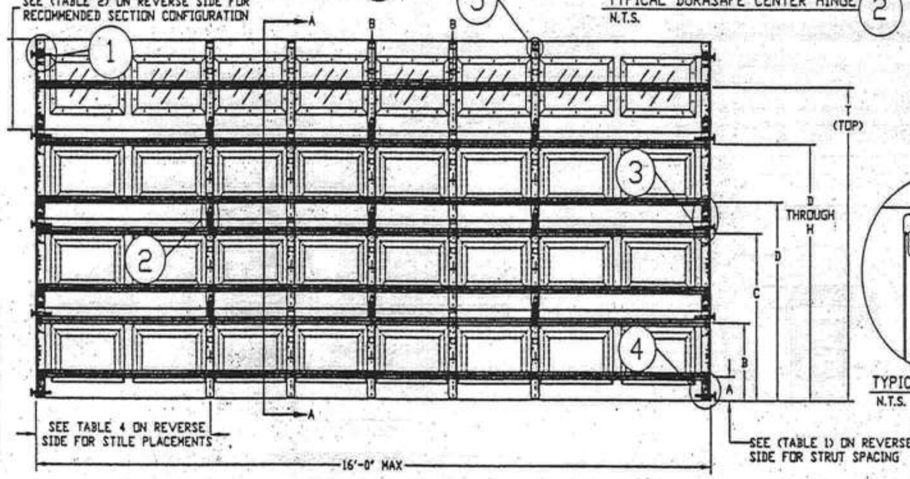
(10X')



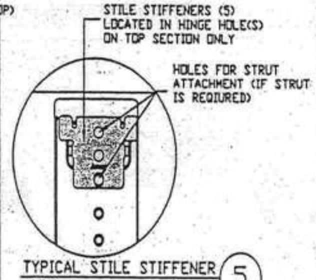
TYPICAL TOP FIXTURES (1)
N.T.S.



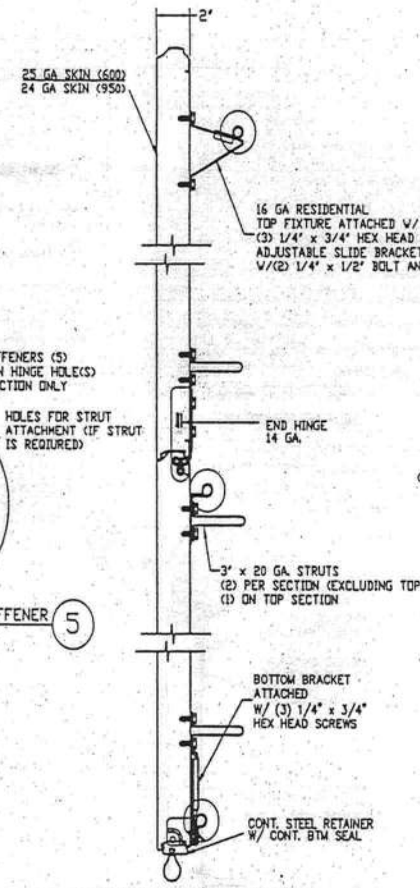
TYPICAL DURASAFE CENTER HINGE (2)
N.T.S.



INSIDE ELEVATION
N.T.S.



TYPICAL STILE STIFFENER (5)
N.T.S.

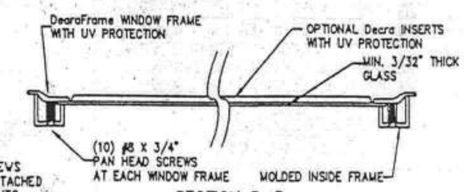


SECTION A–A (SIDE VIEW)
N.T.S.

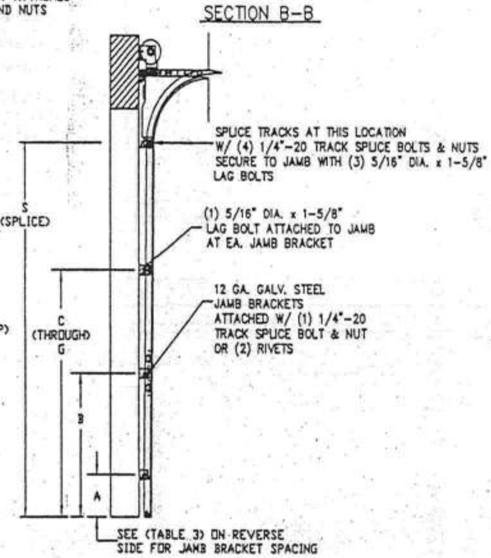
GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION

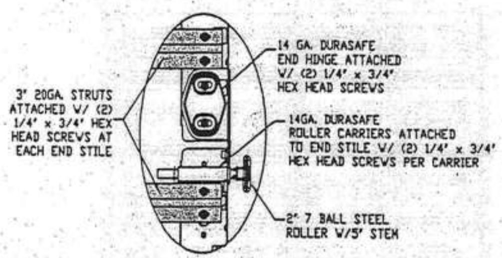
TEST No. IRC-6009-169-15 ON OCTOBER 10, 2002 INCLUDED GLAZING IN THE TESTED DOOR. THE TEST PRESSURES WERE +67.9 PSF AND -80.3 PSF. BY COMPARISION, UP TO EIGHT (8) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF EITHER THE MODEL 600 OR 950 DOORS CONSTRUCTED PER THIS DRAWING.



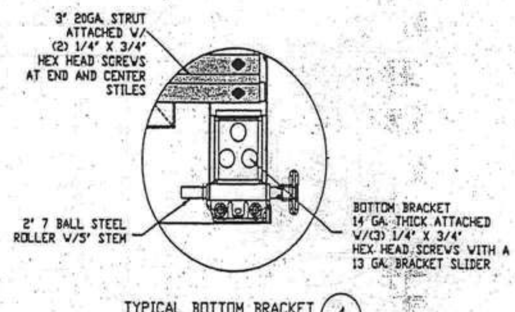
SECTION B–B



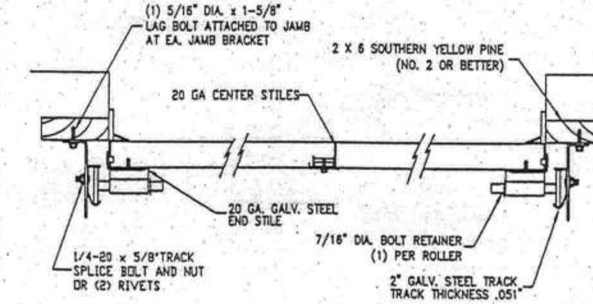
TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.



TYPICAL DURASAFE END HINGE (3)
N.T.S.



TYPICAL BOTTOM BRACKET (4)
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

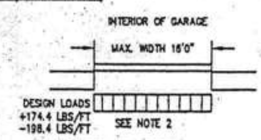
RATED FOR 120 MPH PEAK GUST; EXPOSURE B; 30' OR LESS MEAN ROOF HEIGHT

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 16" O.C.(1 1/4" EMBEDMENT)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



SPECIFICATIONS AND NOTES

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +174.4 LBS/FT & -198.4 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") ROLLED FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108, ASTM E330, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98 WITH THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 120 MPH (PEAK GUST)
   B. DOOR CAN BE INSTALLED WITH 5 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 30' OR LESS MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF B
7. REFER TO TABLES ON THE REVERSE SIDE FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

DESIGN LOADS
+21.8 PSF
-24.8 PSF

TEST LOADS
+32.7 PSF
-37.2 PSF

THOMAS L. SHLMERDINE · CERTIFICATE · No. 48579 · STATE OF FLORIDA · PROFESSIONAL ENGINEER

JUN 0 3 2003

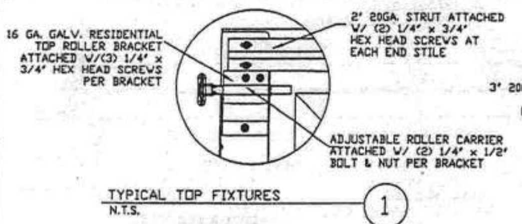
Amarr GARAGE DOORS

165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

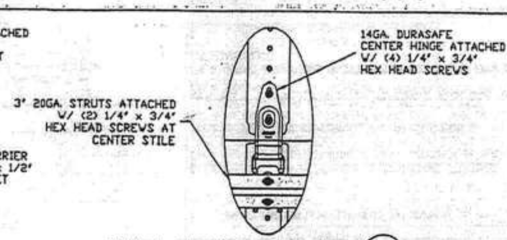
MODEL #600 STRATFORD w/DuraSafe
MODEL 950 HERITAGE w/DuraSafe
Short Panel, Long Panel, and Flush Panel

SIZE	DRAWN BY	DJ	DATE 04/15/03	DRAWING NUMBER
B	CHECKED BY	AAE	DATE 04/15/03	IRC-6016-120-15
ENGINEER: THOMAS L. SHLMERDINE P.E. LIC. No. 0048579				SHEET 1 OF 1

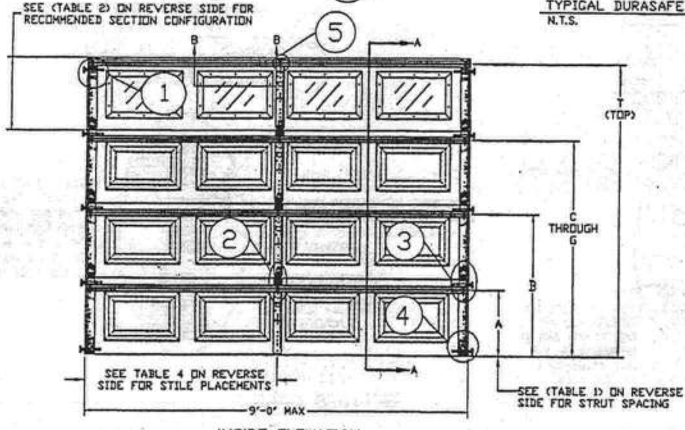
9x7



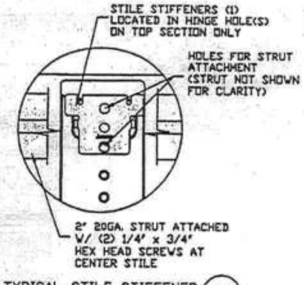
TYPICAL TOP FIXTURES (1)
N.T.S.



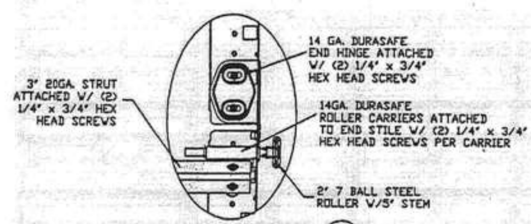
TYPICAL DURASAFE CENTER HINGE (2)
N.T.S.



INSIDE ELEVATION
N.T.S.



TYPICAL STILE STIFFENER (5)
N.T.S.



TYPICAL DURASAFE END HINGE (3)
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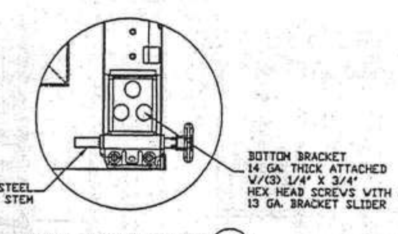
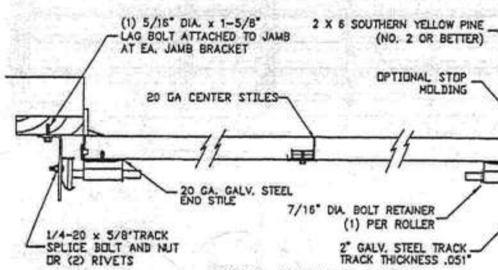


TYPICAL BOTTOM BRACKET (4)
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

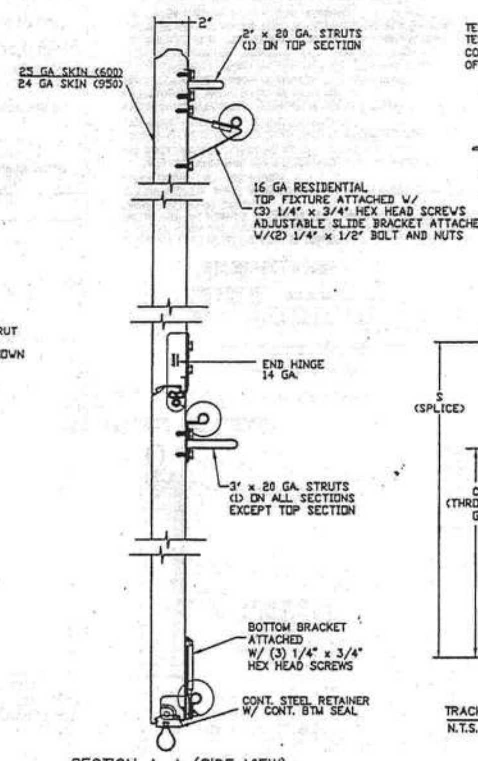
RATED FOR 120 MPH PEAK GUST; EXPOSURE B; 30' OR LESS MEAN ROOF HEIGHT

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

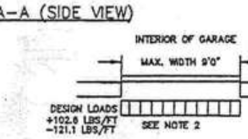
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.(1 1/4" EMBEDMENT)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



SECTION A-A (SIDE VIEW)
N.T.S.



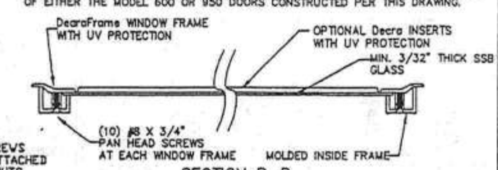
SPECIFICATIONS AND NOTES

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK. FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +102.6 LBS/FT & -121.1 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") ROLLED FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108, ASTM E330, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98 WITH THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 120 MPH (PEAK GUST)
   B. DOOR CAN BE INSTALLED WITH 5 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 30' OR LESS MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF B
7. REFER TO TABLES ON THE REVERSE SIDE FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES

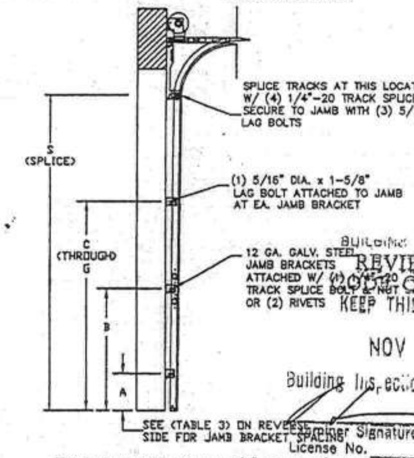
GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION

TEST No. IRC-6009-169-15 ON OCTOBER 10, 2002 INCLUDED GLAZING IN THE TESTED DOOR. THE TEST PRESSURES WERE +67.9 PSF AND -80.3 PSF. BY COMPARISION, UP TO FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF EITHER THE MODEL 600 OR 950 DOORS CONSTRUCTED PER THIS DRAWING.



SECTION B-B



TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.

BUILDING PLANS EXAMINER
REVIEWED FOR CODE COMPLIANCE
KEEP THIS PLAN ON JOB
NOV 2 4 2003
Building Inspection Division — Jax., FL.
Examiner Signature
License No. PEP347
Master Approval - Rev Side

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 9' x 14' DESIGN LOADS +22.8 PSF -26.9 PSF TEST LOADS +34.2 PSF -40.4 PSF	JUN 17 2003	

Amarr GARAGE DOORS
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105
MODEL #600 STRATFORD w/DuraSafe
MODEL 950 HERITAGE w/DuraSafe
Short Panel, Long Panel, and Flush Panel

SIZE	DRAWN BY	DLJ	DATE 05/14/03	DRAWING NUMBER
B	CHECKED BY	AAE	DATE 05/14/03	IRC-6009-120-15
ENGINEER: THOMAS L. SALMERONE P.E. LIC. No. 0048579				SHEET 1 OF 1

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)																				TOP
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
6' 6"	5 1/2"	18 1/4"	25 1/2"	31 1/2"	36 1/4"	43 1/2"	48 1/4"	54 1/4"	61 1/2"													71"
7'	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"													77"
7' 6"	5 1/2"	15 1/4"	22 1/2"	27 1/2"	33 1/4"	40 1/2"	46 1/2"	54 1/4"	61 1/2"	63 1/2"	69 1/4"	76 1/2"										83"
8'	5 1/2"	18 1/4"	25 1/2"	30 1/2"	36 1/4"	43 1/2"	48 1/2"	54 1/4"	61 1/2"	66 1/2"	72 1/4"	79 1/2"										89"
8' 6"	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"	72 1/2"	78 1/4"	85 1/2"										95"
9'	5 1/2"	15 1/4"	22 1/2"	27 1/2"	33 1/4"	40 1/2"	46 1/2"	54 1/4"	61 1/2"	63 1/2"	69 1/4"	76 1/2"	81 1/4"	87 1/4"	94 1/2"							101"
9' 6"	5 1/2"	18 1/4"	25 1/2"	30 1/2"	36 1/4"	43 1/2"	48 1/2"	54 1/4"	61 1/2"	66 1/2"	72 1/4"	79 1/2"	84 1/2"	90 1/4"	97 1/2"							107"
10'	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"	72 1/2"	78 1/4"	85 1/2"	90"	96 1/4"	103 1/2"							113"
10' 6"	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"	73 1/2"	81 1/4"	88 1/2"	94 1/2"	102 1/4"	109 1/2"							119"
11'	5 1/2"	18 1/4"	25 1/2"	30"	36 1/4"	43 1/2"	48 1/2"	54 1/4"	61 1/2"	66 1/2"	72 1/4"	79 1/2"	84"	90 1/4"	97 1/2"	102 1/4"	108 1/4"	115 1/2"				125"
11' 6"	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"	72"	78 1/4"	85 1/2"	90"	96 1/4"	103 1/2"	108"	114 1/4"	121 1/2"				131"
12'	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"	73 1/2"	81 1/4"	88 1/2"	94 1/2"	102 1/4"	109 1/2"	114"	120 1/4"	127 1/2"				137"
12'6"	5 1/2"	18 1/4"	25 1/2"	30"	36 1/4"	43 1/2"	48 1/2"	54 1/4"	61 1/2"	66"	72 1/4"	79 1/2"	84"	90 1/4"	97 1/2"	102"	108 1/4"	115 1/2"	120"	126 1/4"	133 1/2"	143"
13'	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"	72"	78 1/4"	85 1/2"	90"	96 1/4"	103 1/2"	108"	114 1/4"	121 1/2"	126"	132 1/4"	139 1/2"	149"
13' 6"	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"	73 1/2"	81 1/4"	88 1/2"	94 1/2"	102 1/4"	109 1/2"	114"	120 1/4"	127 1/2"	132"	138 1/4"	145 1/2"	155"
14'	5 1/2"	18 1/4"	25 1/2"	31 1/2"	39 1/4"	46 1/2"	52 1/2"	60 1/4"	67 1/2"	73 1/2"	81 1/4"	88 1/2"	94 1/2"	102 1/4"	109 1/2"	115 1/2"	123 1/4"	130 1/2"	136 1/2"	144 1/4"	151 1/2"	161"

SHADED COLUMNS DENOTES 2" 20GA STRUTS

TABLE 5

Section Width (ft)	Panel Type	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
16' 2	Short	23.9	27.1
16' 2	Long	23.9	27.1
16' 4	Short	23.7	26.9
16' 4	Long	23.7	26.8
16' 6	Short	23.4	26.6
16' 6	Long	23.4	26.6
16' 8	Short	23.2	26.3
16' 8	Long	23.2	26.3
16' 10	Short	23.0	26.1
16' 10	Long	23.0	26.1
17' 0	Short	22.8	25.8
17' 0	Long	22.7	25.8
17' 2	Short	22.5	25.6
17' 2	Long	22.4	25.5
17' 4	Short	22.3	25.3
17' 4	Long	22.2	25.1
17' 6	Short	22.1	25.1
17' 6	Long	21.9	24.8
17' 8	Short	21.9	24.8
17' 8	Long	21.9	24.8
17' 10	Short	21.7	24.6
17' 10	Long	21.7	24.6
18' 0	Short	21.6	24.5
18' 0	Long	21.5	24.4

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9'6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 3

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)				
		1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)
16' 2	Short	50.272	73.636	97.000	120.364	143.728
16' 2	Long	51.168	74.084	97.000	119.917	142.834
16' 4	Short	51.272	74.636	98.000	121.364	144.728
16' 4	Long	52.168	75.084	98.000	120.917	143.834
16' 6	Short	52.272	75.636	99.000	122.364	145.728
16' 6	Long	51.340	75.170	99.000	122.830	146.660
16' 8	Short	51.340	75.670	100.000	124.330	148.660
16' 8	Long	52.200	76.100	100.000	123.900	147.800
16' 10	Short	51.500	76.250	101.000	125.750	150.500
16' 10	Long	53.200	77.100	101.000	124.900	148.800
17' 0	Short	53.340	77.670	102.000	126.330	150.660
17' 0	Long	54.200	78.100	102.000	125.900	149.800
17' 2	Short	53.000	78.000	103.000	128.000	153.000
17' 2	Long	55.200	79.100	103.000	126.900	150.800
17' 4	Short	54.000	79.000	104.000	129.000	154.000
17' 4	Long	56.200	80.100	104.000	127.900	151.800
17' 6	Short	55.000	80.000	105.000	130.000	155.000
17' 6	Long	57.200	81.100	105.000	128.900	152.800
17' 8	Short	54.800	80.400	106.000	131.600	157.200
17' 8	Long	55.800	80.900	106.000	131.100	156.200
17' 10	Short	55.800	81.400	107.000	132.600	158.200
17' 10	Long	56.250	81.625	107.000	132.375	157.750
18' 0	Short	57.250	82.625	108.000	133.375	158.750
18' 0	Long	57.800	82.900	108.000	133.100	158.200

TABLE 4

DOOR HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F	G	H	S
6' 6"	10"	21"	39"	57"					70"
7'	10"	21"	42"	63"					76"
7' 6"	10"	18"	36"	54"	72"				82"
8'	10"	21"	39"	57"	75"				88"
8' 6"	10"	21"	42"	63"	81"				94"
9'	10"	18"	36"	54"	72"	90"			100"
9' 6"	10"	21"	39"	57"	75"	93"			106"
10'	10"	21"	42"	63"	81"	99"			112"
10' 6"	10"	21"	42"	63"	84"	105"			118"
11'	10"	21"	39"	57"	75"	93"	111"		124"
11' 6"	10"	21"	42"	63"	81"	99"	117"		130"
12'	10"	21"	42"	63"	84"	105"	123"		136"
12'6"	10"	21"	39"	57"	75"	93"	111"	129"	142"
13'	10"	21"	42"	63"	81"	99"	117"	135"	148"
13' 6"	10"	21"	42"	63"	84"	105"	123"	141"	154"
14'	10"	21"	42"	63"	84"	105"	126"	147"	160"