DATE 09/13/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000026232

APPLICANT MARK HADDOX PHONE 755-2411

ADDRESS P.O. BOX 1755 LAKE CITY FL 32056

OWNER GEORGE MORTENSEN PHONE

ADDRESS 250 SW VARGAS WAY FT. WHITE FL 32038

CONTRACTOR WOODMAN PARK/WILLIAM WOOD PHONE 755-2411

LOCATION OF PROPERTY 47S, TL ON JEANLEA, TL ON VARGAS WAY, 3RD LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 117100.00

HEATED FLOOR AREA 2342.00 TOTAL AREA 4074.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 21

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

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

PARCEL ID 27-6S-16-03951-105 SUBDIVISION FOXWOOD

LOT 5 BLOCK PHASE UNIT TOTAL ACRES

000001449		VNV058182		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT	07-713	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ELEVATION DETERMINATION LETTER SUBMITTED 12" ABOVE EXISTING GRADE

NOC ON FILE

Check # or Cash 1349

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 $ 590.00 CERTIFICATION FEE $ 20.37 SURCHARGE FEE $ 20.37

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 730.74

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 INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

CK# 1349 left message 9/11/07

Columbia County Building Permit Application

For Office Use Only Application # 0709-14 Date Received 9/5/07 By G Permit # 26232 1449

Application Approved by - Zoning Official BLK Date 11.09.07 Plans Examiner OK JH Date 9-7-07

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

Comments Elevation Determination Letter Submitted 12" above existing grade

☐ NOC ☑ EH ☑ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Mark Haddox Phone 755-2411 Fax 755-8684

Address P.O. Box 1755 Lake City FL 32056

Owners Name George Mortensen Phone

911 Address 250 SW Vargas Way Ft White 32038

Contractors Name Woodman Park Bldrs Phone 755-2411

Address P.O. Box 1755 Lake City FL 32056

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address —

Mortgage Lenders Name & Address Peoples Bank - Lake City

Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progressive Energy

Property ID Number 27-6S-16 03951-105 Estimated Cost of Construction 90,000.00

Subdivision Name Foxwood S/D Lot 5 Block ____ Unit ____ Phase 1

Driving Directions 47 South to Jeanlea (left) to Vargas Way (left) property 3rd on left

Type of Construction Residential Number of Existing Dwellings on Property 0

Total Acreage 5 Lot Size ____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 190 Side 160 Side 80' Rear 500

Total Building Height 21' 3 5/32" Number of Stories 1 Heated Floor Area 2342 TOTAL 4074 Roof Pitch 7-12

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

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 Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number CBC058182

Competency Card Number

NOTARY STAMP/SEAL Brenda Terry My Commission DD293888 Expires February 24, 2008

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 24 day of August 2007.

Personally known ✓ or Produced Identification ____

Brenda Terry

Notary Signature

(Revised Sept. 2006)

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 07-251
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

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

PERMIT NO._____ TAX FOLIO NO.: R03951-105

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:

Lot 5 of FOXWOOD PHASE ONE, according to the plat thereof as recorded in Plat Book 8, Page 86, public records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling

3. Owner information:

a. Name and address: George Mortensen, 5 Stockton Commons, Yaphank, NY 11980

b. Interest in property: Fee Simple

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

4. Contractor: Woodman Park Builders
Post Office Box 3535, Lake City, FL 32056

Contractor's Telephone Number: (386) 755-2411

5. Surety

a. Name and address: None

6. Lender: PEOPLES STATE BANK,
350 SW Main Blvd., Lake City, Florida 32025.

Lender's Telephone Number: 386-754-0002

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates LONNIE T. HALTIWANTER of PEOPLES STATE BANK, 350 SW Main Blvd., Lake City, Florida 32025, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

GEORGE MORTENSEN

The foregoing instrument was acknowledged before me this 14th day of August, 2007, by GEORGE MORTENSEN, who is personally known to me and did not take an oath.

Notary Public
My commission expires:_____

Inst:200712019005 Date:8/21/2007 Time:12:49 PM
DC,P.DeWitt Cason ,Columbia County Page 1 of 1

TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

STATE OF FLORIDA COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office
P. DeWITT CASON, CLERK OF COURTS
By Sharon Feagle
Deputy Clerk
Date 08-21-2007

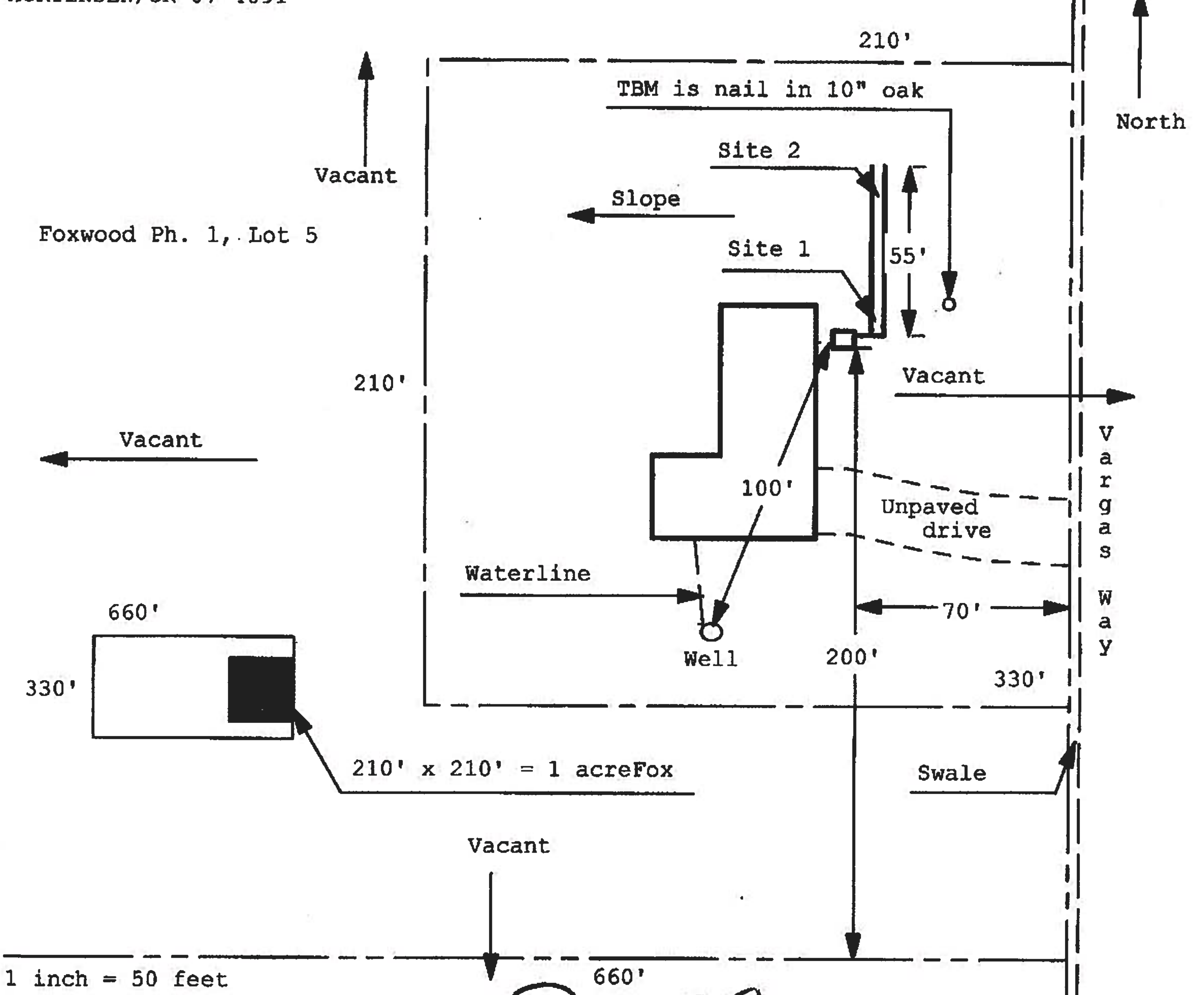
CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

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

Permit Application Number: 07-0713

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MORTENSEN/CR 07-4091



Site Plan Submitted By Paul Lloyd **Date** 8/17/07

Plan Approved ✓ **Not Approved** ______ **Date** 9/6/07

By [signature] Columbia **CPHU**

Notes: ____________________

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

August 20, 2007

Building and Zoning, Columbia County, Florida

Re: Site Evaluation, Mortensen Residence, 447 SW Eva Terrace, Columbia County, Florida, 27-6S-16-03951-105, Columbia County, FL

Dear Building Inspector:

I have reviewed the Flood Insurance Rate Map and NGS topographic map and performed a site evaluation for the Mortensen Residence , SW Vargas Way, Columbia County, Florida, 27-6S-16-03951-105, Columbia County, FL. The natural grade elevation at the perimeter of the proposed home site as shown on the permit is less than one foot above the nearby county road that it fronts on, SW Vargas Way. The lot is in Zone X on the FEMA rate map, attached. The builder states that although the proposed home site is less than 1 foot above the road it is on a knoll and the road slopes down steadily to the south.

Based on my personal inspection of the site if the finished floor elevation is set at least 12" above natural grade it will be higher than the land to the south and west of the lot and storm water will flow down to a large local depression which is about 15 feet lower than the proposed home site and is not a flood zone per the FEMA data.

Based on topo maps, FEMA data, and visual inspection the proposed finished floor elevation is at an adequate elevation to avoid flooding.

The finished floor elevation must be minimum 6" above finished grade per FBC2001. The finished grade should slope down from that elevation for another 6" within 12 feet away from the house and hanger in all directions so that all runoff drains away from the house. The owner must maintain the swales, slopes, and ditch to provide free drainage to the ditch and prevent any possibility of storm water backing up into the house.

The owner should be aware that if free drainage is not maintained thru fields and subdivisions across roads and thru culverts to the local depression, or if future development in the area causes increased storm water run off, or if rainfall occurs with greater flooding effect than the design storm, the level of the creek could rise higher than anticipated and nearby Zone A areas could be larger than indicated by FEMA and his house would be more susceptible to flooding. Owner should verify topo data by shooting grades to make sure there is a continuous downward slope to the creek on the path traced on the attached topo map.

Sincerely,

20AUG07

Mark Disosway, PE

SECTION 1804 FOOTINGS AND FOUNDATIONS; §1804.1.1 Foundations shall be built on undisturbed soil or properly compacted fill material. Foundations shall be constructed of materials described in this chapter.

§1804.1.2 Pile foundations shall be designed and constructed in accordance with §1805.

§1804.1.3 The bottom of foundations shall extend no less than 12 inches (305 mm) below finish grade.

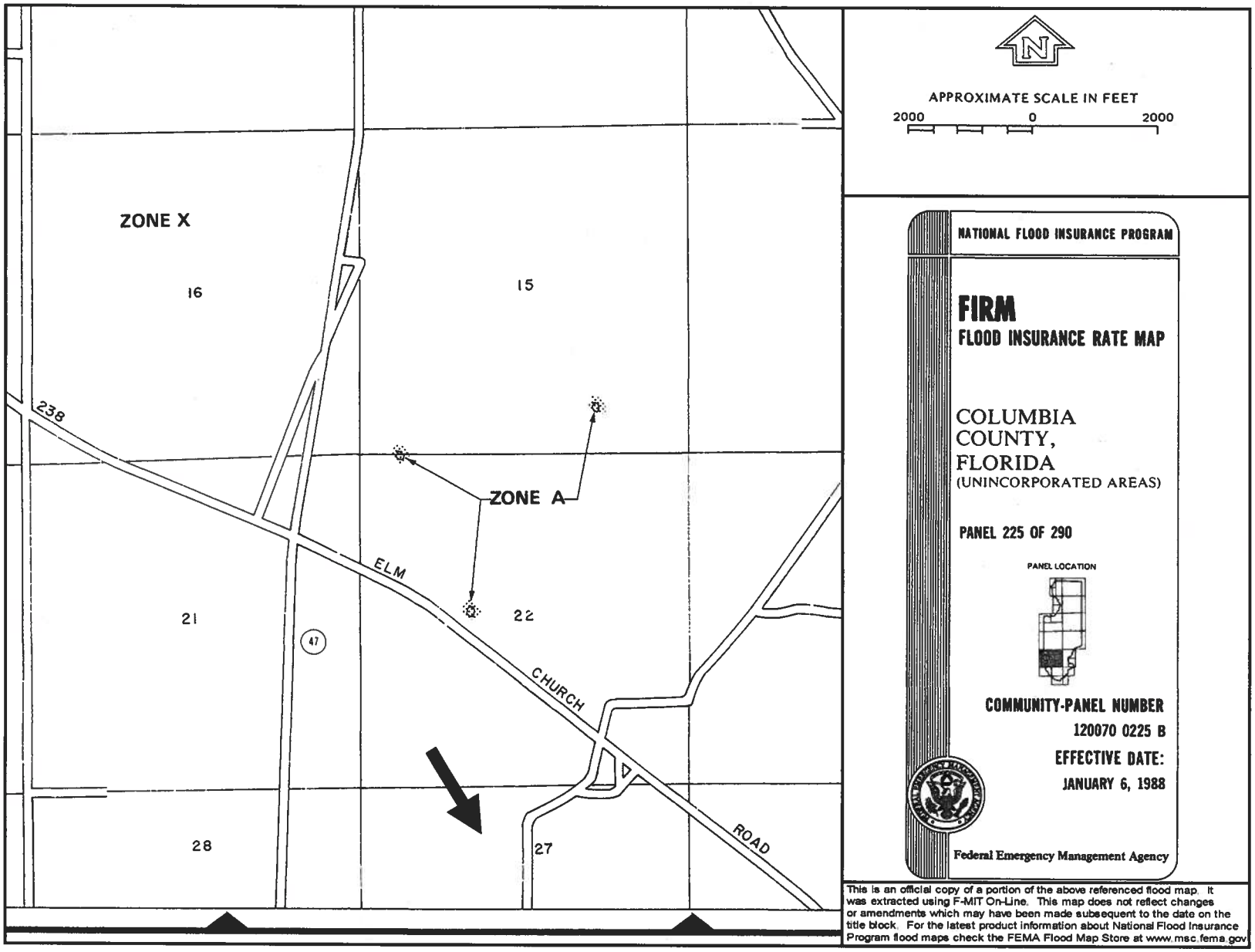
§1804.1.4 Temporary buildings and buildings not exceeding one story in height and 400 sq ft (37 m^2) in area shall be exempt from these requirements.

§1804.1.5 Excavations for foundations shall be backfilled with soil which is free of organic material, construction debris and large rocks.

§1804.1.6 Where water impacts the ground from a roof valley, downspout, scupper or other rain water collection or diversion device, provisions shall be made to prevent soil erosion and direct the water away from the foundation.

§1804.1.7 Finish grade shall be sloped away from the foundation for drainage.

§1804.1.8 The area under footings, foundations and concrete slabs on grade shall have all vegetation, stumps, roots and foreign materials removed prior to their construction. Fill material shall be free of vegetation and foreign material.


ZONE X
16
15
238
ZONE A
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CHURCH
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APPROXIMATE SCALE IN FEET
2000
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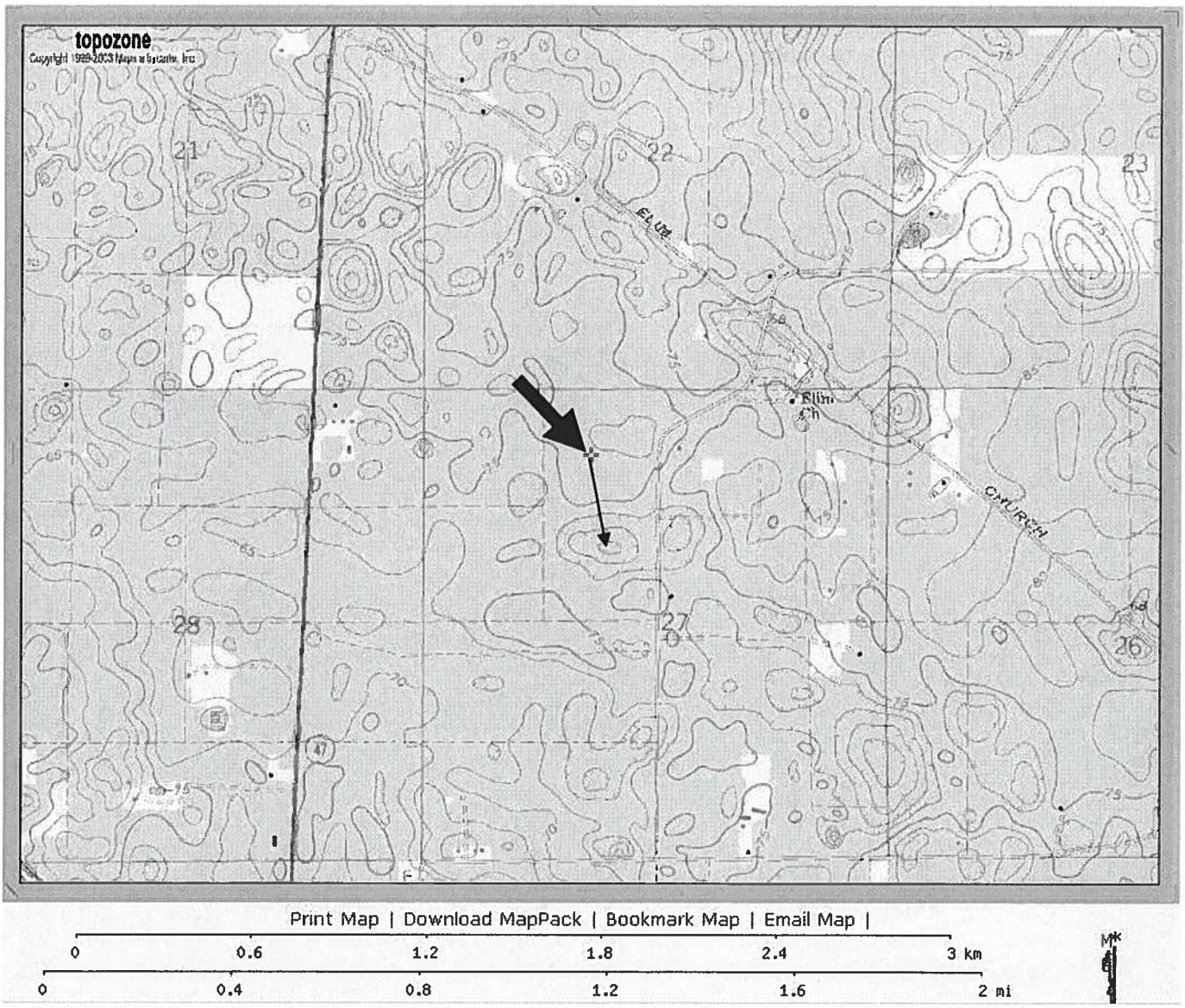
2000
NATIONAL FLOOD INSURANCE PROGRAM
FIRM
FLOOD INSURANCE RATE MAP
COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)
PANEL 225 OF 290
PANEL LOCATION
COMMUNITY-PANEL NUMBER
120070 0225 B
EFFECTIVE DATE:
JANUARY 6, 1988
Federal Emergency Management Agency
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov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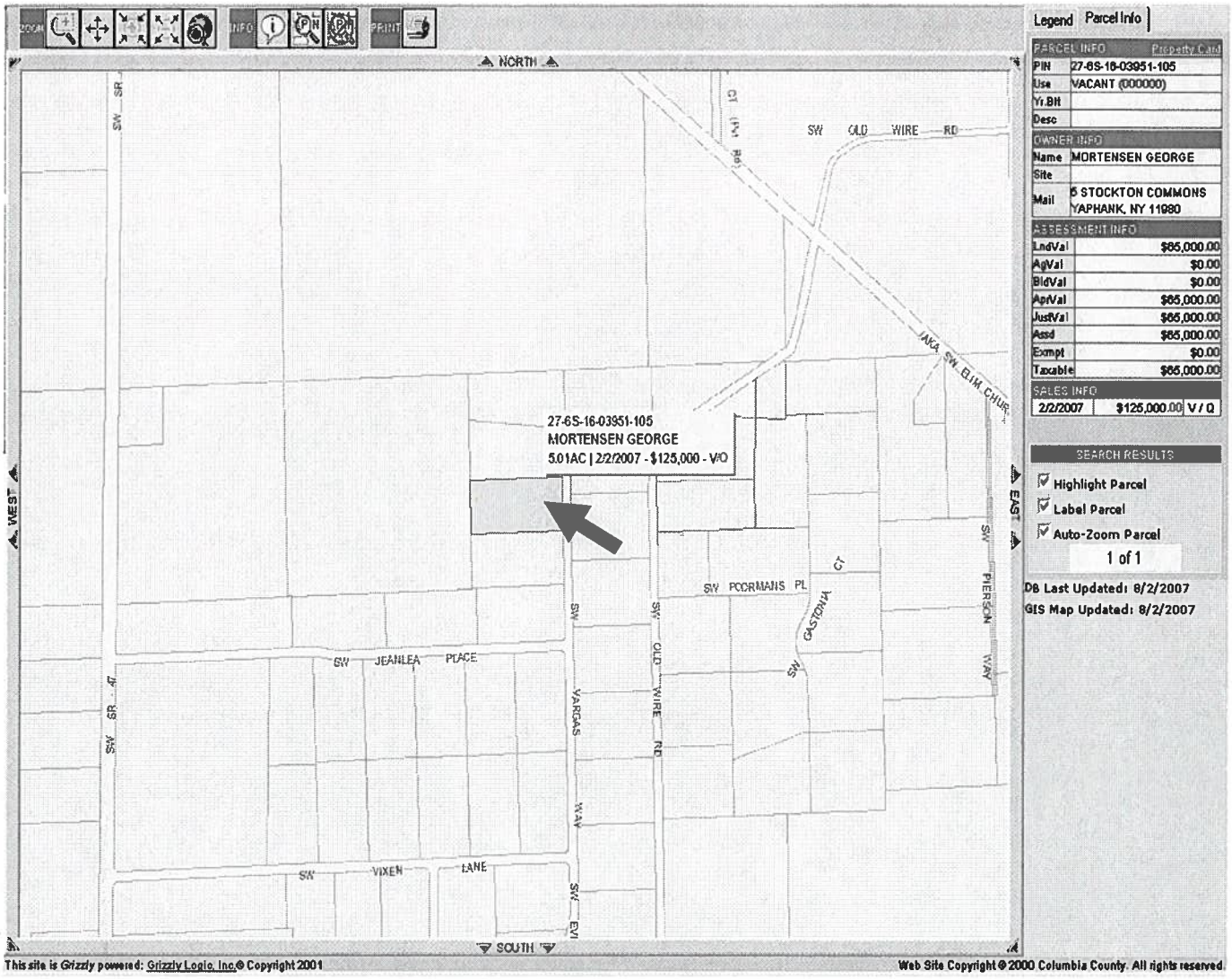
ZOOM
INFO
PRINT
NORTH
SOUTH
WEST
EAST
SW SR 47
SW OLD WIRE RD
SW ELIM CHURCH RD
AKA SW ELIM CHURCH
27-6S-16-03951-105
MORTENSEN GEORGE
5.01AC | 2/2/2007 - $125,000 - V/Q
SW JEANLEA PLACE
SW VARGAS WAY
SW POORMANS PL
SW GASTONIA CT
SW PIERSON WAY
SW VIXEN LANE
SW EVI
Legend
Parcel Info
PARCEL INFO
Property Card
PIN 27-6S-16-03951-105
Use VACANT (000000)
Yr.Bit
Desc
OWNER INFO
Name MORTENSEN GEORGE
Site
Mail 5 STOCKTON COMMONS YAPHANK, NY 11980
ASSESSMENT INFO
LndVal $65,000.00
AgVal $0.00
BldVal $0.00
ApVal $65,000.00
JustVal $65,000.00
Assd $65,000.00
Exmpt $0.00
Taxable $65,000.00
SALES INFO
2/2/2007 $125,000.00 V / Q
SEARCH RESULTS
Highlight Parcel
Label Parcel
Auto-Zoom Parcel
1 of 1
DB Last Updated: 8/2/2007
GIS Map Updated: 8/2/2007
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Prepared by and return to:
Carol Fitzgerald
Paralegal
Jose I. Moreno PA
126 NW 76th Drive Suite B
Gainesville, FL 32607
352-332-4422
File Number: 07-004S

Inst:2007003353 Date:02/12/2007 Time:09:35
Doc Stamp-Deed : 875.00
DC,P.DeWitt Cason,Columbia County B:1110 P:1320

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 2nd day of **February, 2007** between **North Florida Timberland, Inc.** whose post office address is **PO Box 1147 , Newberry, FL 32669**, grantor, and **George Mortensen, a single man** whose post office address is **5 Stockton Commons, Yaphank, NY 11980**, grantee:

(Whenever used herein the terms "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, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in **Columbia County, Florida** to-wit:

Lot 5, Foxwood Phase One (1), as per plat thereof, recorded in Plat Book 8, Page 86-96, of the Public Records of Columbia County, Florida.

Parcel Identification Number: 27-6S-16-03951-105

THIS IS NOT THE HOMESTEAD PROPERTY OF THE GRANTOR OR GRANTEE

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

Signed, sealed and delivered in our presence:

Witness Name: Jose I Moreno

Witness Name: Carol Fitzgerald

North Florida Timberland, Inc.

By: _____
Ernest Vargas, President

(Corporate Seal)

State of Florida
County of Alachua

The foregoing instrument was acknowledged before me this 2nd day of February, 2007 by Ernest Vargas, President of North Florida Timberland, Inc., on behalf of the corporation. He/she [_] is personally known to me or [X] has produced a driver's license as identification.

[Notary Seal]

NOTARY PUBLIC-STATE OF FLORIDA
Jose I. Moreno
Commission # DD584478
Expires: SEP 18, 2010
BONDED THRU ATLANTIC BONDING CO., INC.

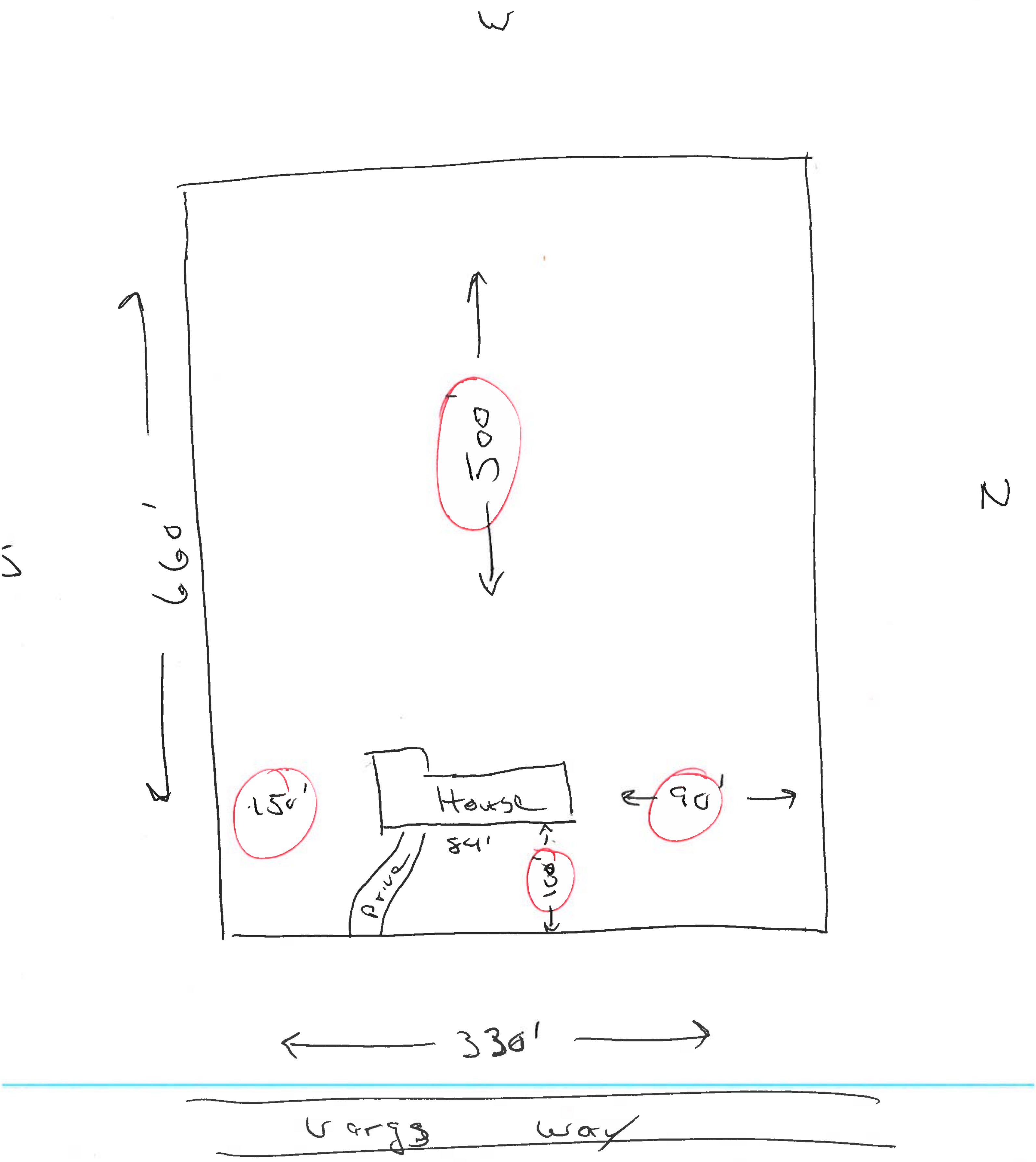
Notary Public

Printed Name: _____

My Commission Expires: _____

DoubleTime®

Site Plan



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: 6/14/2007 **DATE ISSUED:** 6/14/2007

ENHANCED 9-1-1 ADDRESS:

250 SW VARGAS WAY

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

27-6S-16-03951-105

Remarks:

LOT 5 FOXWOOD S/D PHASE 1

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.

803

Approved Address

JUN 14 2007

911Addressing/GIS Dept

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

d) Location, size and height above roof of chimneys.
e) Location and size of skylights
f) Building height
e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned.
b) Shear walls identified.
c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
d) Show safety glazing of glass, where required by code.
e) Identify egress windows in bedrooms, and size.
f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
b) All posts and/or column footing including size and reinforcing
c) Any special support required by soil analysis such as piling
d) Location of any vertical steel.

Roof System:

a) Truss package including:
   1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
   2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:
   1. Rafter size, species and spacing
   2. Attachment to wall and uplift
   3. Ridge beam sized and valley framing and support details
   4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall
   1. All materials making up wall
   2. Block size and mortar type with size and spacing of reinforcement
   3. Lintel, tie-beam sizes and reinforcement
   4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
   5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
   6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
   7. Fire resistant construction (if required)
   8. Fireproofing requirements
   9. Shoe type of termite treatment (termiticide or alternative method)
   10. Slab on grade
      a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
   11. Indicate where pressure treated wood will be placed
   12. Provide insulation R value for the following:
      a. Attic space
      b. Exterior wall cavity

c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall
1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☑ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)

☑ ☐ b) Manual J sizing equipment or equivalent computation

☐ ☐ c) Gas System Type (LP or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☑ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☐ ☐ **Private Potable Water**

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

Directions

HI7 South to Jeanlea (left)

Jeanlea to Vargas (left)

to property on left.

Pat Lynch
LYNCH DRILLING
P. O. BOX 934
Branford, FL 32008-0934
(386) 935-1076

Woodman Park Bld
George Mortensen
27-65-16-03951-105

DATE: 8-24-07

4" Water well complete with 4" black water well steel casing, 1HP submersible pump (20 gpm) with 1 ¼" galvanized drop pipe, and 81 gallon captive air tank (21.9 gallon drawdown) (maximum 100 feet included) .....

Additional footage over 100 feet will be charged at $8.00 per foot.

Suwannee River Water Management District – well permit .....

Estimated total package .....

Well will be complete at the well site. We do not include electrical nor plumbing connections from the well to the home and/or power pole.

Prices on estimates are subject to change, if estimate is over 30 days old, unless specific arrangements are made to extend limit. Estimated depths are available upon request and after review of the specified location.

Note: Columbia County base price - SRWMD permit + footage as applicable.

THANK YOU!

Seller shall retain title to the described merchandise until such merchandise has been paid for by the buyer, however, buyer shall have the right to use, display, move, prepare, or otherwise deal with the merchandise solely in connection with the sale of such merchandise to buyers in the ordinary course of business. The merchandise delivered hereby is to be paid for upon delivery and if not paid for within thirty (30) days after receipt, interest and service charges shall accrue at the rate of 1 ½% per month; this charge is equivalent to an interest rate of 18% per annum from the date of receipt. In the event it shall become necessary for seller to collect the purchase price, or any part thereof, buyer agrees to pay to seller all of the cost of collection including reasonable attorney's fees and all incidental damages suffered by the seller. The buyer shall have five (5) days after receipt to notify seller of any defects or shortages in the merchandise. If buyer has not so notified seller within such five-day period such rights shall have waived and such merchandise shall be deemed to have been received in good condition. Seller warrants that the merchandise is merchantable and free from defects in material and workmanship. Seller makes no other express or implied warranties and does not warrant that the merchandise is fit for any particular purpose. Buyer further agrees that the site of this contract and place for payment is Suwannee County, Florida. The buyer acknowledges acceptance of the above stated items and conditions if this sale by his receipt and retention for five days the merchandise shipped or delivered by the seller.

NOT RESPONSIBLE FOR QUALITY OF WATER

FORM 600A-2004R Tested sealed ducts must be certified in this house. EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**MORTENSEN RESIDENCE**	Builder:	**WOODMAN PARK BUILDERS**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	26232
Owner:	**MORTENSEN**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. Central Unit	Cap: 18.0 kBtu/hr
5. Is this a worst case?	No		SEER: 13.00
6. Conditioned floor area (ft²)	2342 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT)	7a. (Dble, U=0.9) 42.0 ft²	13. Heating systems	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 239.0 ft²	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
8. Floor types			HSPF: 8.20
a. Slab-On-Grade Edge Insulation	R=0.0, 183.0(p) ft	b. Electric Heat Pump	Cap: 18.0 kBtu/hr
b. N/A			HSPF: 8.50
c. N/A		c. N/A	
9. Wall types		14. Hot water systems	
a. Frame, Wood, Exterior	R=13.0, 1610.5 ft²	a. Electric Resistance	Cap: 50.0 gallons
b. Frame, Wood, Adjacent	R=0.0, 905.0 ft²		EF: 0.93
c. Frame, Wood, Adjacent	R=13.0, 369.0 ft²	b. N/A	
d. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
10. Ceiling types			
a. Under Attic	R=30.0, 2342.0 ft²		
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 240.0 ft		
b. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 140.0 ft		

Glass/Floor Area: 0.10

Total as-built points: 32655

Total base points: 34838

PASS

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

PREPARED BY: Larry Resmondo a/c

DATE: Aug 22, 2007

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.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2342.0	18.59	7837.0	1.Double,U=0.87,Clear	E	5.0	6.0	40.0	42.06	0.56	942.0
				2.Double,U=0.87,Clear	E	7.5	8.0	14.0	42.06	0.53	314.0
				3.Double,U=0.87,Clear	SE	7.0	6.0	20.0	42.75	0.46	396.0
				4.Double,U=0.87,Clear	SE	1.5	5.0	4.0	42.75	0.83	142.0
				5.Double,U=0.87,Clear	NE	7.0	6.0	20.0	29.56	0.55	325.0
				6.Double,U=0.87,Clear	N	7.5	6.0	40.0	19.20	0.68	519.0
				7.Double,U=0.87,Clear	W	7.5	4.0	9.0	38.52	0.42	143.0
				8.Double,U=0.87,Clear	W	7.5	8.0	14.0	38.52	0.55	294.0
				9.Double,U=0.87,Clear	W	7.5	7.0	42.0	38.52	0.51	830.0
				10.Double,U=0.87,Clear	W	1.5	6.0	20.0	38.52	0.91	703.0
				11.Double,U=0.87,Clear	S	1.5	5.0	12.0	35.87	0.81	347.0
				12.Double,U=0.87,Clear	SW	1.5	5.0	4.0	40.16	0.84	134.0
				As-Built Total:				**239.0**			**5089.0**

WALL TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM =	Points
Adjacent	1274.0	0.70	891.8	1. Frame, Wood, Exterior	13.0	1610.5	1.50	2415.8
Exterior	1610.5	1.70	2737.9	2. Frame, Wood, Adjacent	0.0	905.0	2.20	1991.0
				3. Frame, Wood, Adjacent	13.0	369.0	0.60	221.4
Base Total:	**2884.5**		**3629.7**	**As-Built Total:**		**2884.5**		**4628.1**

DOOR TYPES	Area X	BSPM =	Points	Type	Area X	SPM =	Points
Adjacent	21.0	2.40	50.4	1.Exterior Wood	21.0	6.10	128.1
Exterior	21.0	6.10	128.1	2.Adjacent Wood	21.0	2.40	50.4
Base Total:	**42.0**		**178.5**	**As-Built Total:**	**42.0**		**178.5**

CEILING TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2342.0	1.73	4051.7	1. Under Attic	30.0	2342.0	1.73 X 1.00	4051.7
Base Total:	**2342.0**		**4051.7**	**As-Built Total:**		**2342.0**		**4051.7**

FLOOR TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM =	Points
Slab	183.0(p)	-37.0	-6771.0	1. Slab-On-Grade Edge Insulation	0.0	183.0(p	-41.20	-7539.6
Raised	0.0	0.00	0.0					
Base Total:			**-6771.0**	**As-Built Total:**		**183.0**		**-7539.6**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE							AS-BUILT							
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	= Points				
	2342.0	10.21	23911.8					2342.0	10.21	23911.8				
Summer Base Points: 32837.6							**Summer As-Built Points:**							**30319.5**
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 36000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)							
							30320	0.67	(1.09 x 1.000 x 1.00)	0.260	1.000	5728.4		
							(sys 2: Central Unit 18000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)							
							30320	0.33	(1.09 x 1.000 x 1.11)	0.260	1.000	3179.2		
32837.6	**0.3250**	**10672.2**					**30319.5**	**1.00**	**1.134**	**0.260**	**1.000**	**8940.8**		

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	= Points	
.18	2342.0	20.17	8503.0	1.Double,U=0.87,Clear	E	5.0	6.0	40.0	18.79	1.24	931.0	
				2.Double,U=0.87,Clear	E	7.5	8.0	14.0	18.79	1.27	333.0	
				3.Double,U=0.87,Clear	SE	7.0	6.0	20.0	14.71	2.09	614.0	
				4.Double,U=0.87,Clear	SE	1.5	5.0	4.0	14.71	1.14	67.0	
				5.Double,U=0.87,Clear	NE	7.0	6.0	20.0	23.57	1.05	494.0	
				6.Double,U=0.87,Clear	N	7.5	6.0	40.0	24.58	1.02	1003.0	
				7.Double,U=0.87,Clear	W	7.5	4.0	9.0	20.73	1.22	227.0	
				8.Double,U=0.87,Clear	W	7.5	8.0	14.0	20.73	1.16	336.0	
				9.Double,U=0.87,Clear	W	7.5	7.0	42.0	20.73	1.17	1022.0	
				10.Double,U=0.87,Clear	W	1.5	6.0	20.0	20.73	1.02	424.0	
				11.Double,U=0.87,Clear	S	1.5	5.0	12.0	13.30	1.20	191.0	
				12.Double,U=0.87,Clear	SW	1.5	5.0	4.0	16.74	1.09	73.0	
				As-Built Total:				**239.0**			**5715.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	1274.0	3.60	4586.4	1. Frame, Wood, Exterior	13.0	1610.5	3.40	5475.7
Exterior	1610.5	3.70	5958.9	2. Frame, Wood, Adjacent	0.0	905.0	10.40	9412.0
				3. Frame, Wood, Adjacent	13.0	369.0	3.30	1217.7
Base Total:	**2884.5**		**10545.3**	**As-Built Total:**		**2884.5**		**16105.4**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	21.0	11.50	241.5	1.Exterior Wood	21.0	12.30	258.3
Exterior	21.0	12.30	258.3	2.Adjacent Wood	21.0	11.50	241.5
Base Total:	**42.0**		**499.8**	**As-Built Total:**	**42.0**		**499.8**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	2342.0	2.05	4801.1	1. Under Attic	30.0	2342.0	2.05 X 1.00	4801.1
Base Total:	**2342.0**		**4801.1**	**As-Built Total:**		**2342.0**		**4801.1**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	183.0(p)	8.9	1628.7	1. Slab-On-Grade Edge Insulation	0.0	183.0(p	18.80	3440.4
Raised	0.0	0.00	0.0					
Base Total:			**1628.7**	**As-Built Total:**		**183.0**		**3440.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	2342.0	-0.59	-1381.8		2342.0	-0.59	-1381.8			
Winter Base Points:			**24596.1**	**Winter As-Built Points:**						**29179.9**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 36000 btuh ,EFF(8.2) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
				29179.9	0.667	(1.069 x 1.000 x 1.00)	0.416	1.000	8647.9	
				(sys 2: Electric Heat Pump 18000 btuh ,EFF(8.5) Ducts:Unc(S),Unc(R),Att(AH),R6.0						
				29179.9	0.333	(1.069 x 1.000 x 1.10)	0.401	1.000	4588.5	
24596.1	**0.5540**	**13626.2**		**29179.9**	**1.00**	**1.108**	**0.411**	**1.000**	**13287.7**	

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
4	2635.00	10540.0		50.0	0.93	4	1.00	2606.67	1.00	10426.7
				As-Built Total:						**10426.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
10672	**13626**	**10540**	**34838**	**8941**	**13288**	**10427**	**32655**

PASS

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 cir 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.6

The higher the score, the more efficient the home.

MORTENSEN, , , ,

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	4		
5.	Is this a worst case?	No		
6.	Conditioned floor area (ft²)	2342 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)	7a. Description (Dble, U=0.9)	Area 42.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear)	239.0 ft²	
8.	Floor types			
a.	Slab-On-Grade Edge Insulation	R=0.0, 183.0(p) ft		
b.	N/A			
c.	N/A			
9.	Wall types			
a.	Frame, Wood, Exterior	R=13.0, 1610.5 ft²		
b.	Frame, Wood, Adjacent	R=0.0, 905.0 ft²		
c.	Frame, Wood, Adjacent	R=13.0, 369.0 ft²		
d.	N/A			
e.	N/A			
10.	Ceiling types			
a.	Under Attic	R=30.0, 2342.0 ft²		
b.	N/A			
c.	N/A			
11.	Ducts(Leak Free)			
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 240.0 ft		
b.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 140.0 ft		
12.	Cooling systems			
a.	Central Unit	Cap: 36.0 kBtu/hr SEER: 13.00		
b.	Central Unit	Cap: 18.0 kBtu/hr SEER: 13.00		
c.	N/A			
13.	Heating systems			
a.	Electric Heat Pump	Cap: 36.0 kBtu/hr HSPF: 8.20		
b.	Electric Heat Pump	Cap: 18.0 kBtu/hr HSPF: 8.50		
c.	N/A			
14.	Hot water systems			
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.93		
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.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____ **Project Name:** _____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242.1 +
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS	Alenco	1111 / FI214.10	
1. Single hung			FL. 6079.7 +
2. Horizontal Slider			
3. Casement	Bilt Rite Windows & Doors		
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding Hardie			
2. Soffits			FL. 889 -122
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			Shingle H.P SS
1. Asphalt Shingles	GAF	Shingles	728.4, 728.5, 728.6
2. Underlayments			
3. Roofing Fasteners			30RF → FL. 1614.3
4. Non-structural Metal Rf	Wheeling Corrugating Co.	Victory Brass	15RF → FL. 1814.1
5. Built-Up Roofing			FL. 5190 — X
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Project Information for: **L250968**

Builder: Woodman Park Builders, Inc.
Address: 250 Southwest Vargas
... Ft. White, FL 32038
County: Columbia
Truss Count: 50
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

August 24,2007

JULIUS LEE LICENSE No. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Truss Design Load Information:

Gravity:	**Wind:**	
Roof (psf): 42.0	Wind Standard: ASCE 7-02	Wind Exposure: B
Floor (psf): N/A	Wind Speed (mph): 110	

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:
William G. Wood Florida Certified Building Contractor License No. CBC058182
Address: Woodman Park Builders, Inc. P.O. Box 3535 Lake City, Florida 32026

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869
Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1884236	CJ1	8/24/07	29	J1884264	T15	8/24/07
2	J1884237	CJ3	8/24/07	30	J1884265	T16	8/24/07
3	J1884238	CJ3A	8/24/07	31	J1884266	T17	8/24/07
4	J1884239	CJ5	8/24/07	32	J1884267	T18	8/24/07
5	J1884240	CJ5A	8/24/07	33	J1884268	T19	8/24/07
6	J1884241	CJ7	8/24/07	34	J1884269	T20	8/24/07
7	J1884242	EJ7	8/24/07	35	J1884270	T21	8/24/07
8	J1884243	EJ7A	8/24/07	36	J1884271	T22	8/24/07
9	J1884244	EJ8	8/24/07	37	J1884272	T23	8/24/07
10	J1884245	HJ11	8/24/07	38	J1884273	T25	8/24/07
11	J1884246	HJ9	8/24/07	39	J1884274	T26	8/24/07
12	J1884247	HJ9A	8/24/07	40	J1884275	T27	8/24/07
13	J1884248	PB01	8/24/07	41	J1884276	T28	8/24/07
14	J1884249	PB02	8/24/07	42	J1884277	T29	8/24/07
15	J1884250	T02	8/24/07	43	J1884278	T30	8/24/07
16	J1884251	T03	8/24/07	44	J1884279	T31	8/24/07
17	J1884252	T04	8/24/07	45	J1884280	T32	8/24/07
18	J1884253	T05	8/24/07	46	J1884281	T35	8/24/07
19	J1884254	T06	8/24/07	47	J1884282	T35A	8/24/07
20	J1884255	T07	8/24/07	48	J1884283	T35G	8/24/07
21	J1884256	T08	8/24/07	49	J1884284	T36	8/24/07
22	J1884257	T09	8/24/07	50	J1884285	T38	8/24/07
23	J1884258	T10	8/24/07				
24	J1884259	T11	8/24/07				
25	J1884260	T12	8/24/07				
26	J1884261	T13	8/24/07				
27	J1884262	T14	8/24/07				
28	J1884263	T14A	8/24/07				

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884236
L250968	CJ1	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:11 2007 Page 1

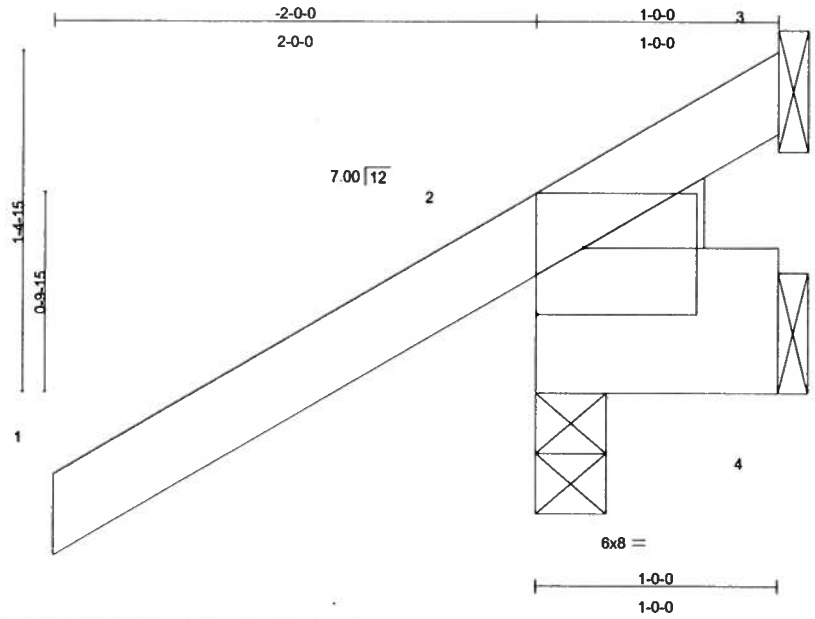


Plate Offsets (X,Y): [2:Edge,0-3-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.00	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 9 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical
Max Horz 2=95(load case 6)
Max Uplift 2=-251(load case 6), 3=-90(load case 1)
Max Grav 2=256(load case 1), 4=14(load case 2), 3=104(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/41, 2-3=-99/85
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.07 and 2 = 0.00

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 31989
1100 Coastal Key Blvd
Boynton Beach, FL 33435

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884236
L250968	CJ1	JACK	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 251 lb uplift at joint 2 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1166 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884237
L250968	CJ3	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:11 2007 Page 1

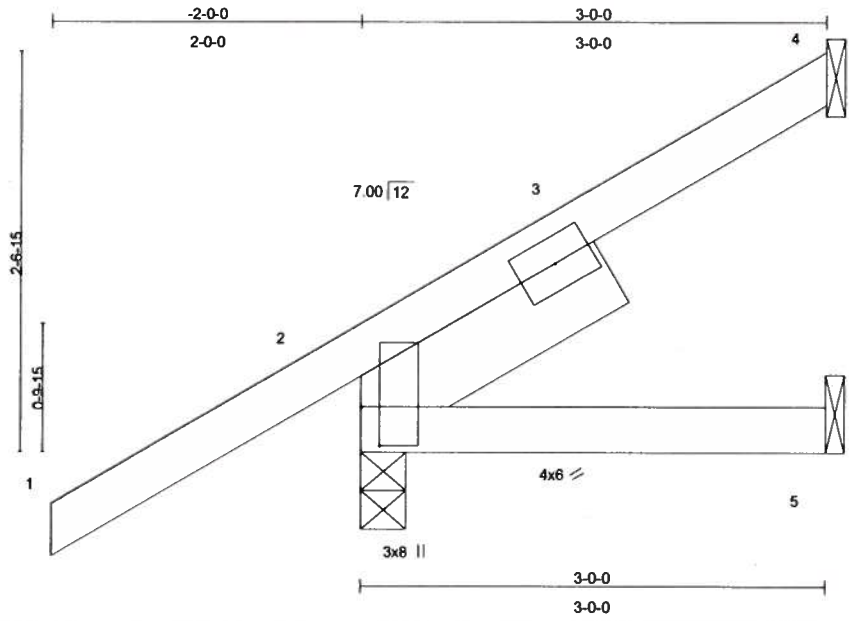


Plate Offsets (X,Y): [2:0-3-0,0-1-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.00	2-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 6 SYP No.1D 1-10-1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=43/Mechanical, 2=239/0-3-8, 5=15/Mechanical
Max Horz 2=145(load case 6)
Max Uplift 4=-51(load case 6), 2=-163(load case 6)
Max Grav 4=43(load case 1), 2=239(load case 1), 5=44(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-80/7, 3-4=-32/13
BOT CHORD 2-5=0/0

JOINT STRESS INDEX
2 = 0.14, 2 = 0.06 and 3 = 0.00

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884237
L250968	CJ3	JACK	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 4 and 163 lb uplift at joint 2.

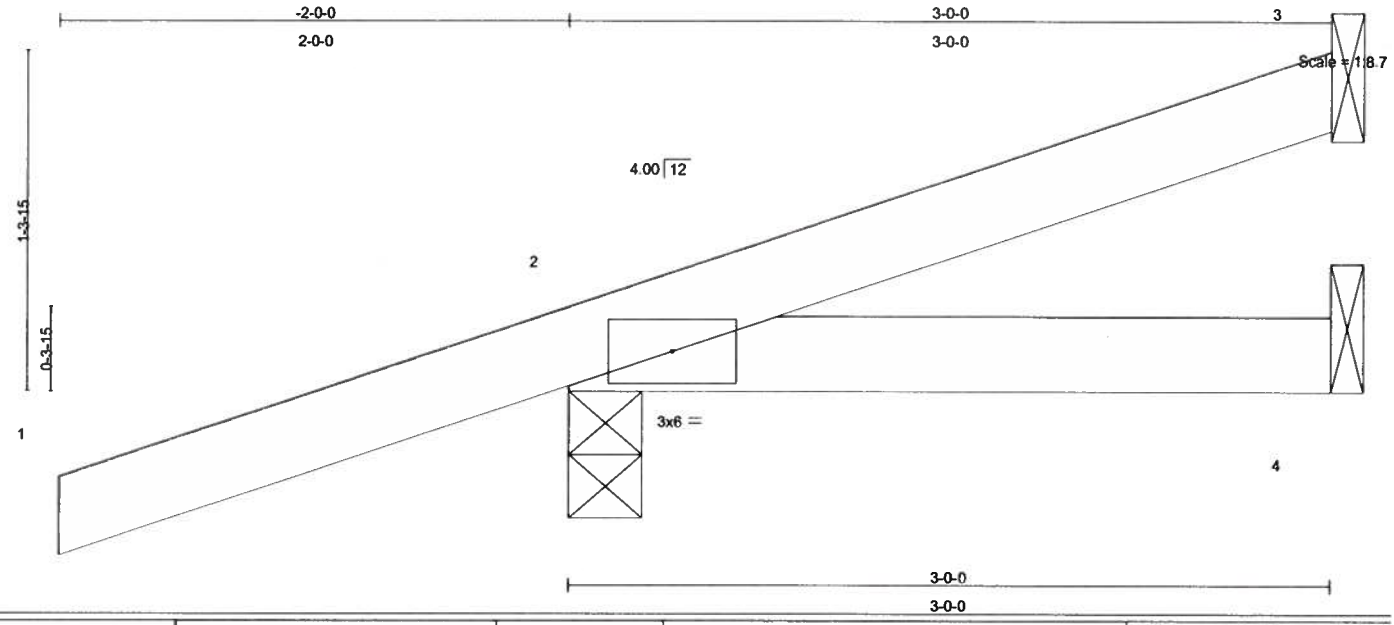
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1405 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884238
L250968	CJ3A	JACK	12	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:12 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 12 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical
Max Horz 2=88(load case 4)
Max Uplift 3=-23(load case 7), 2=-242(load case 4), 4=-27(load case 4)
Max Grav 3=31(load case 1), 2=250(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-41/5
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.10

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 3, 242 lb uplift at joint 2 and 27 lb uplift at joint 4.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884238
L250968	CJ3A	JACK	12	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1105 Coastal Bay Blvd
Boynton Beach, FL 33435

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884239
L250968	CJ5	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:12 2007 Page 1

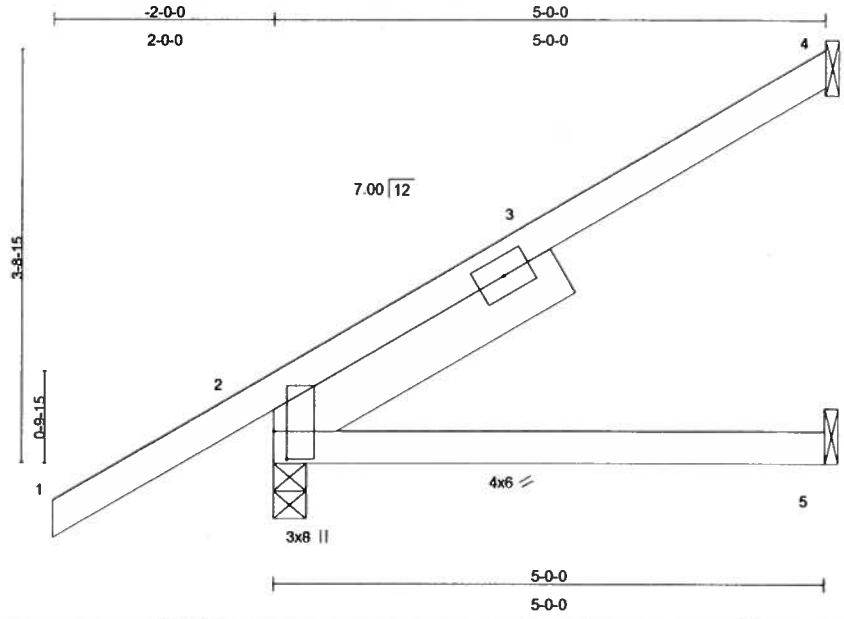


Plate Offsets (X,Y): [2:0-3-0,0-1-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.03	2-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.05	2-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 6 SYP No.1D 2-11-15

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=111/Mechanical, 2=288/0-3-8, 5=25/Mechanical
Max Horz 2=199(load case 6)
Max Uplift 4=-121(load case 6), 2=-162(load case 6)
Max Grav 4=111(load case 1), 2=288(load case 1), 5=74(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-97/8, 3-4=-77/42
BOT CHORD 2-5=0/0

JOINT STRESS INDEX
2 = 0.16, 2 = 0.07 and 3 = 0.00

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No 34869
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Boynton Beach, FL 33436

August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884239
L250968	CJ5	JACK	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 4 and 162 lb uplift at joint 2.

LOAD CASE(S) Standard

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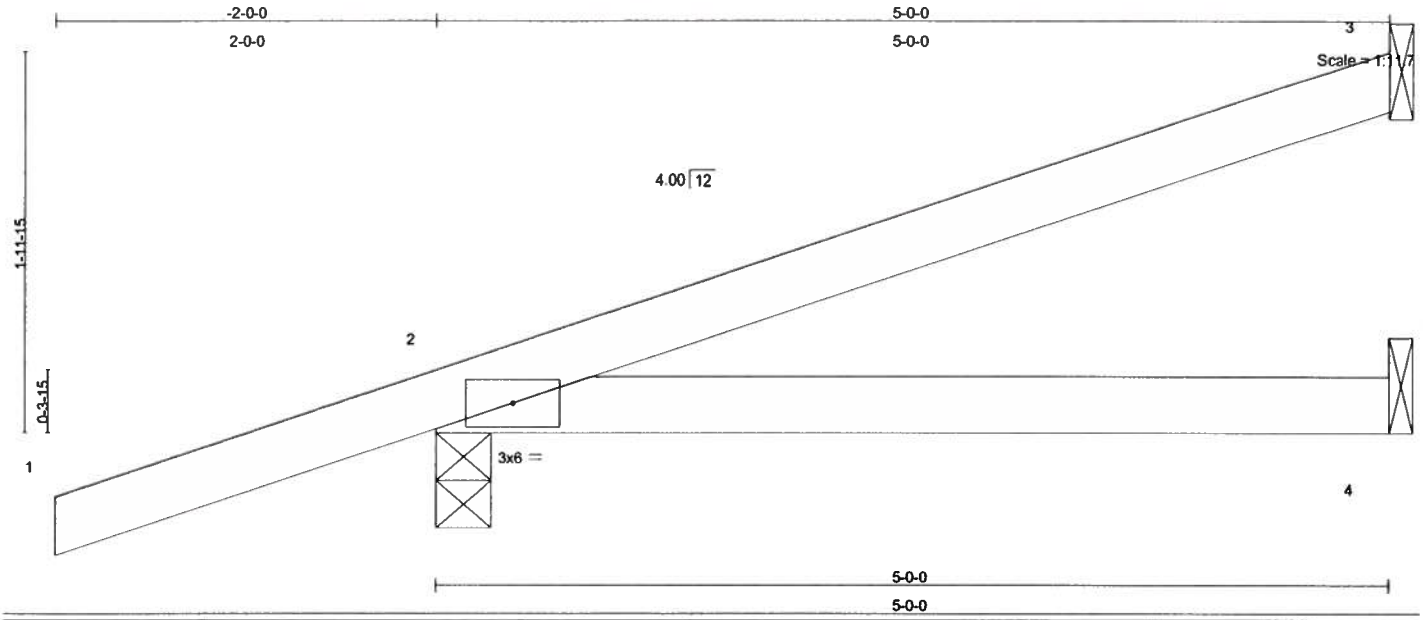
Boynton Beach, FL 33436

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884240
L250968	CJ5A	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:13 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	0.09	2-4	>663	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical
Max Horz 2=118(load case 4)
Max Uplift 3=-74(load case 4), 2=-273(load case 4), 4=-46(load case 4)
Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-55/26
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 3, 273 lb uplift at joint 2 and 46 lb uplift at joint 4.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1646 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884240
L250968	CJ5A	JACK	6	1	Job Reference (optional)

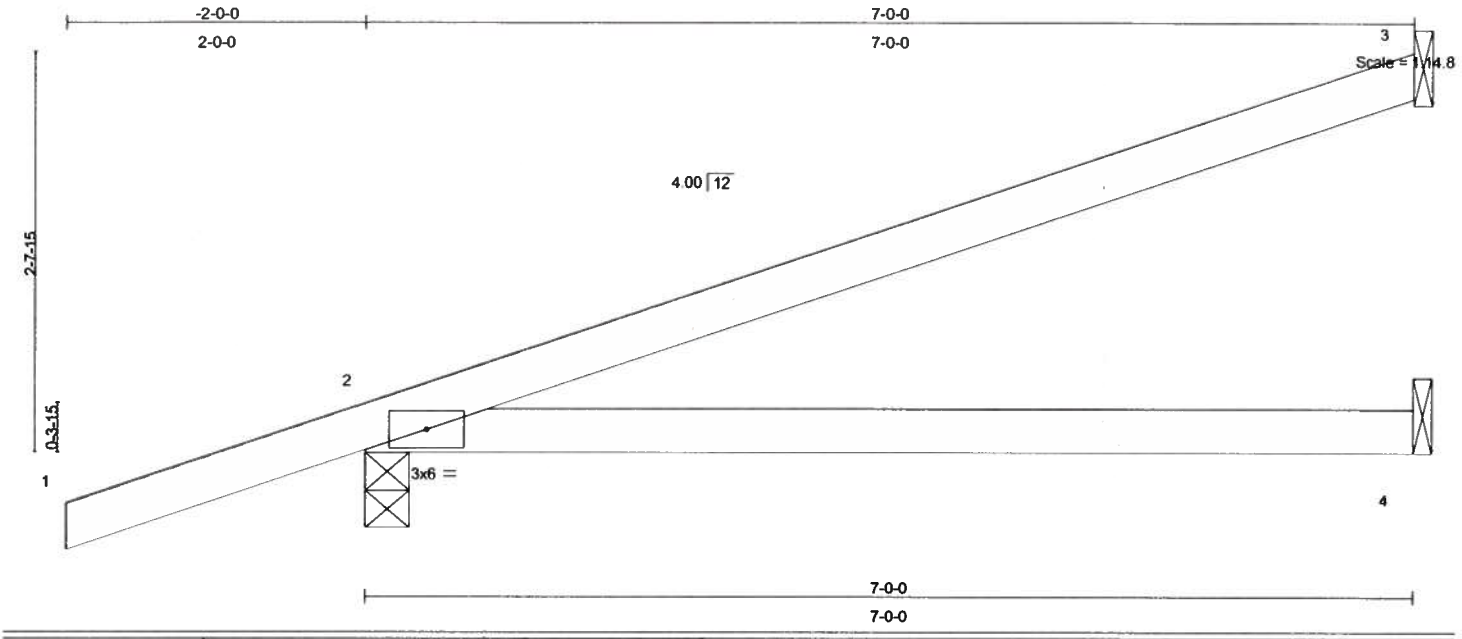
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884241
L250968	CJ7	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Aug 24 12:04:52 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.31	2-4	>263	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.16	2-4	>508	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=155/Mechanical, 2=352/0-3-8, 4=44/Mechanical
Max Horz 2=107(load case 4)
Max Uplift 3=-82(load case 4), 2=-239(load case 4), 4=-63(load case 5)
Max Grav 3=155(load case 1), 2=352(load case 1), 4=93(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-84/39
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.47

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Julius Lee
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Florida PE No. 34869
2150 Coastal Bay Blvd
Boynton Beach, FL 33435

2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 3, 239 lb uplift at joint 2 and 63 lb uplift at joint 4.

LOAD CASE(S) Standard

August 24,2007

Julius Lee
Truss Design Engineer
Florida PE No. 31809
1106 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884242
L250968	EJ7	MONO TRUSS	9	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:14 2007 Page 1

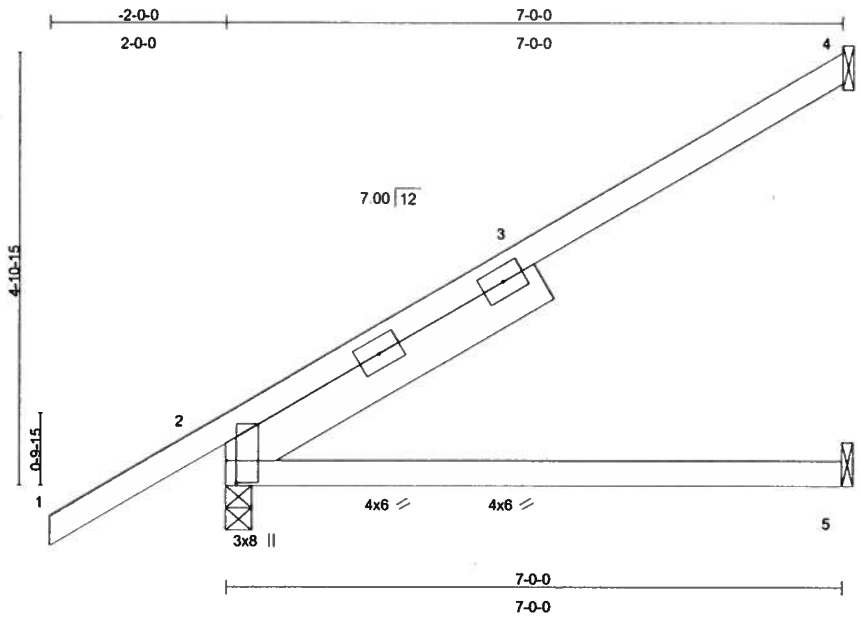

Plate Offsets (X,Y): [2:0-3-0,0-1-7], [2:0-0-0,0-0-0], [2:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	0.08	2-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.13	2-5	>621	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.03	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 36 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
SLIDER Left 2 X 6 SYP No.1D 4-1-13

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=165/Mechanical, 2=346/0-3-8, 5=42/Mechanical
Max Horz 2=179(load case 6)
Max Uplift 4=-103(load case 6), 2=-111(load case 6)
Max Grav 4=165(load case 1), 2=346(load case 1), 5=87(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-124/4, 3-4=-101/63
BOT CHORD 2-5=0/0

JOINT STRESS INDEX
2 = 0.82, 2 = 0.04, 2 = 0.04 and 3 = 0.00

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 4 and 111 lb uplift at joint 2.

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August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884242
L250968	EJ7	MONO TRUSS	9	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884243
L250968	EJ7A	MONO TRUSS	1	1	Job Reference (optional)

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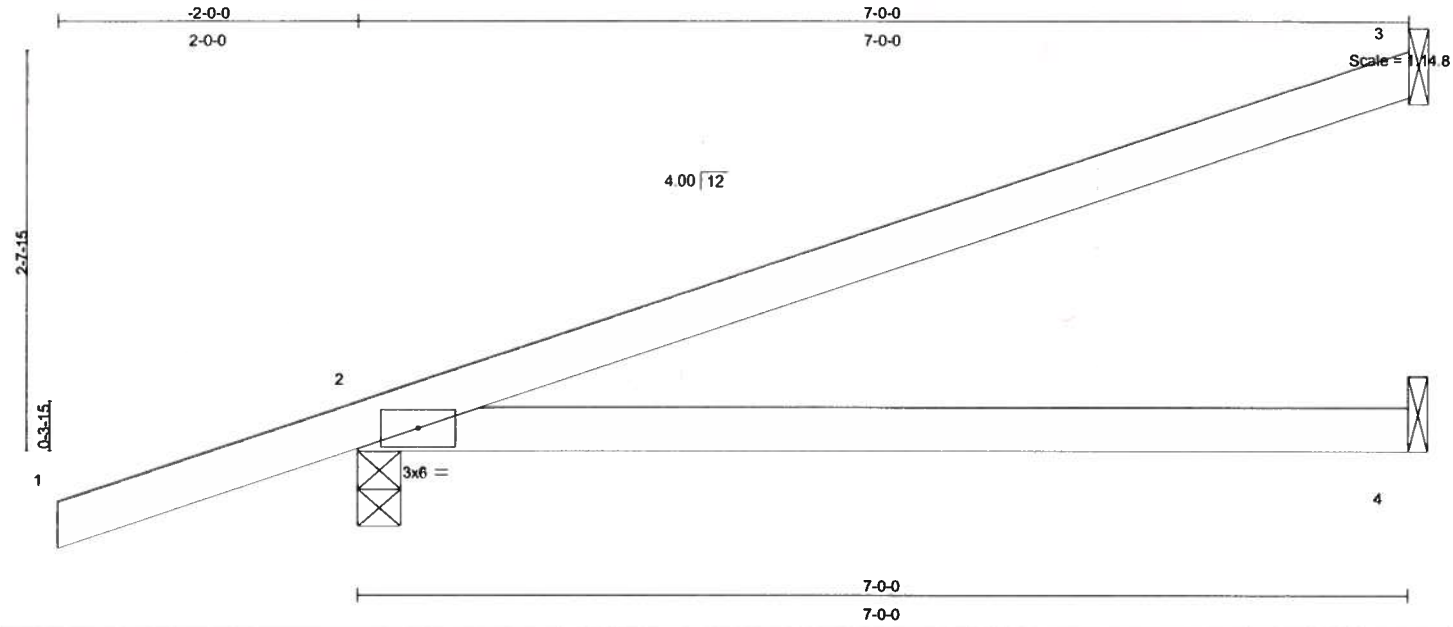

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.31	2-4	>263	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.16	2-4	>508	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=155/Mechanical, 2=352/0-3-8, 4=44/Mechanical
Max Horz 2=107(load case 4)
Max Uplift 3=-82(load case 4), 2=-239(load case 4), 4=-63(load case 5)
Max Grav 3=155(load case 1), 2=352(load case 1), 4=93(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-84/39
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.47

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 3, 239 lb uplift at joint 2 and 63 lb uplift at joint 4.

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LOAD CASE(S) Standard

August 24,2007

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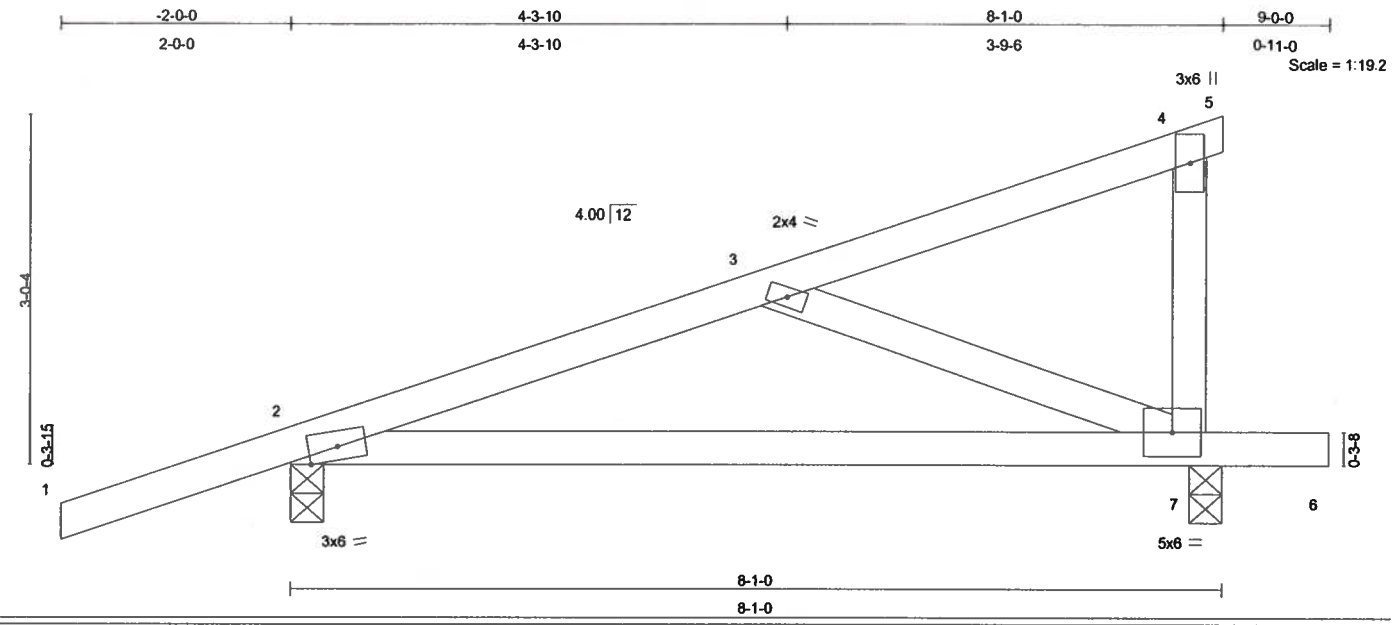
Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884244
L250968	EJ8	MONO TRUSS	16	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:14 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.19	2-7	>483	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.11	2-7	>820	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.10	Horz(TL)	-0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 38 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-14 oc bracing.

REACTIONS (lb/size) 7=246/0-3-8, 2=376/0-3-8
Max Horz 2=119(load case 4)
Max Uplift 7=-162(load case 4), 2=-253(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-368/386, 3-4=-64/87, 4-5=-1/0, 4-7=-91/72
BOT CHORD 2-7=-491/312, 6-7=0/0
WEBS 3-7=-302/401

JOINT STRESS INDEX
2 = 0.77, 3 = 0.19, 4 = 0.28 and 7 = 0.77

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 7 and 253 lb uplift at joint 2.

Continued on page 2

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	EJ8	MONO TRUSS	16	1	J1884244
					Job Reference (optional)

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884245
L250968	HJ11	MONO TRUSS	2	1	Job Reference (optional)

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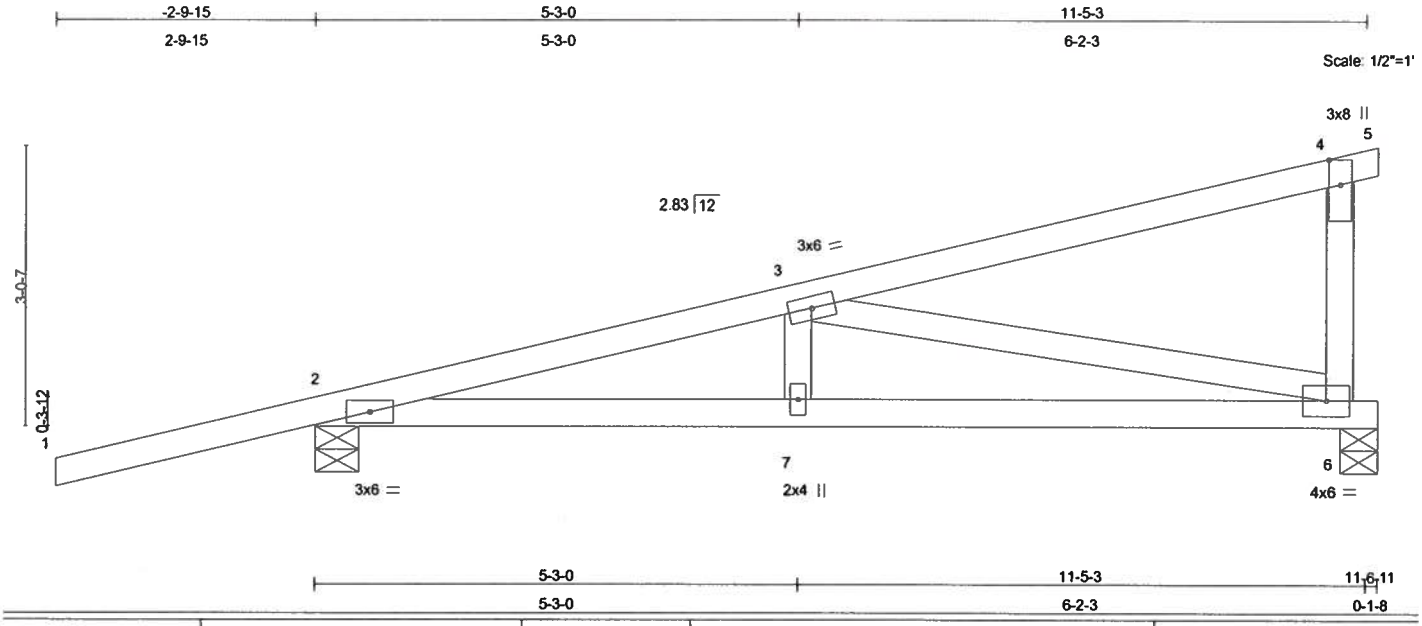

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	0.08	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.10	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 53 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
4-6 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-7-4 oc bracing.

REACTIONS (lb/size) 6=699/0-4-15, 2=525/0-5-11
Max Horz 2=228(load case 3)
Max Uplift 6=-522(load case 3), 2=-469(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1072/670, 3-4=-228/42, 4-5=-15/0, 4-6=-416/321
BOT CHORD 2-7=-820/1027, 6-7=-820/1027
WEBS 3-7=-69/179, 3-6=-883/714

JOINT STRESS INDEX
2 = 0.69, 3 = 0.29, 4 = 0.73, 6 = 0.47 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 522 lb uplift at joint 6 and 469 lb uplift at joint 2.

Continued on page 2

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August 24,2007

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	HJ11	MONO TRUSS	2	1	J1884245
					Job Reference (optional)

NOTES

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=25, B=25)-to-4=-150(F=-48, B=-48), 4=-150(F=-48, B=-48)-to-5=-156(F=-51, B=-51), 2=-0(F=5, B=5)-to-6=-29(F=-9, B=-9)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884246
L250968	HJ9	MONO TRUSS	1	1	Job Reference (optional)

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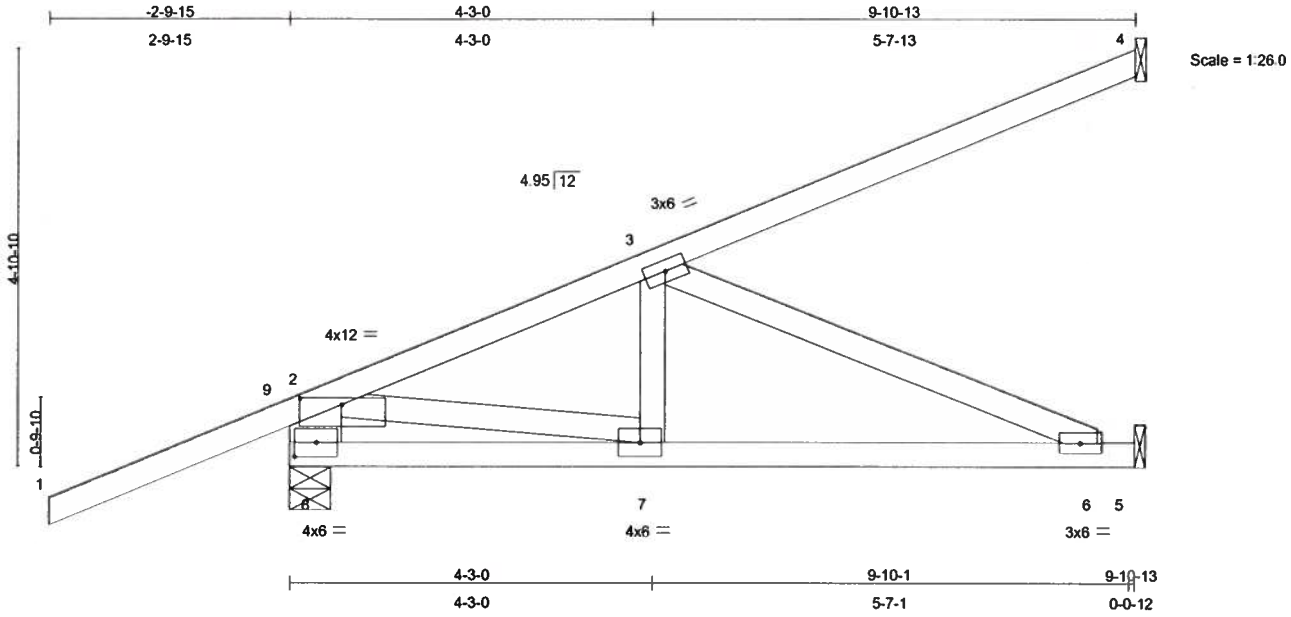

Plate Offsets (X,Y): [2:0-5-14,0-0-14], [8:0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.04	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.11	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.28	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 53 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
2-8 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 8=446/0-5-11, 4=262/Mechanical, 5=221/Mechanical
Max Horz 8=317(load case 5)
Max Uplift 8=-238(load case 5), 4=-243(load case 5), 5=-90(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-8=-441/228, 1-9=0/58, 2-9=0/58, 2-3=-456/53, 3-4=-124/72
BOT CHORD 7-8=-386/215, 6-7=-295/427, 5-6=0/0
WEBS 2-7=-516/823, 3-7=-51/143, 3-6=-465/322

JOINT STRESS INDEX
2 = 0.95, 3 = 0.14, 6 = 0.13, 7 = 0.33 and 8 = 0.15

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 8, 243 lb uplift at joint 4 and 90 lb uplift at joint 5.

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August 24,2007

Continued on page 2

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884246
L250968	HJ9	MONO TRUSS	1	1	Job Reference (optional)

NOTES

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-9=-54

Trapezoidal Loads (plf)

Vert: 9=0(F=27, B=27)-to-2=-4(F=25, B=25), 2=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 8=-0(F=5, B=5)-to-5=-25(F=-7, B=-7)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884247
L250968	HJ9A	MONO TRUSS	1	1	Job Reference (optional)

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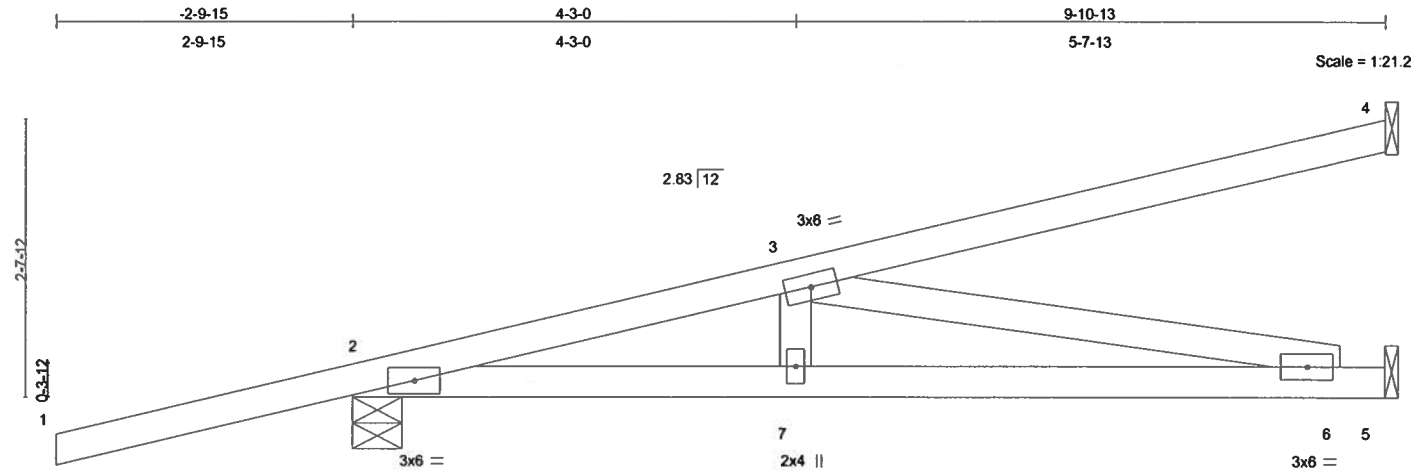

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	0.12	6-7	>956	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.14	6-7	>839	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.41	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-8 oc bracing.

REACTIONS (lb/size) 4=271/Mechanical, 2=456/0-5-11, 5=215/Mechanical
Max Horz 2=178(load case 3)
Max Uplift 4=-210(load case 3), 2=-431(load case 3), 5=-166(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-891/600, 3-4=-67/46
BOT CHORD 2-7=-707/858, 6-7=-707/858, 5-6=0/0
WEBS 3-7=-90/184, 3-6=-874/720

JOINT STRESS INDEX
2 = 0.73, 3 = 0.29, 6 = 0.24 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint 4, 431 lb uplift at joint 2 and 166 lb uplift at joint 5.

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August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884247
L250968	HJ9A	MONO TRUSS	1	1	Job Reference (optional)

NOTES

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=-0(F=5, B=5)-to-5=-25(F=-7, B=-7)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884248
L250968	PB01	VALLEY	9	1	Job Reference (optional)

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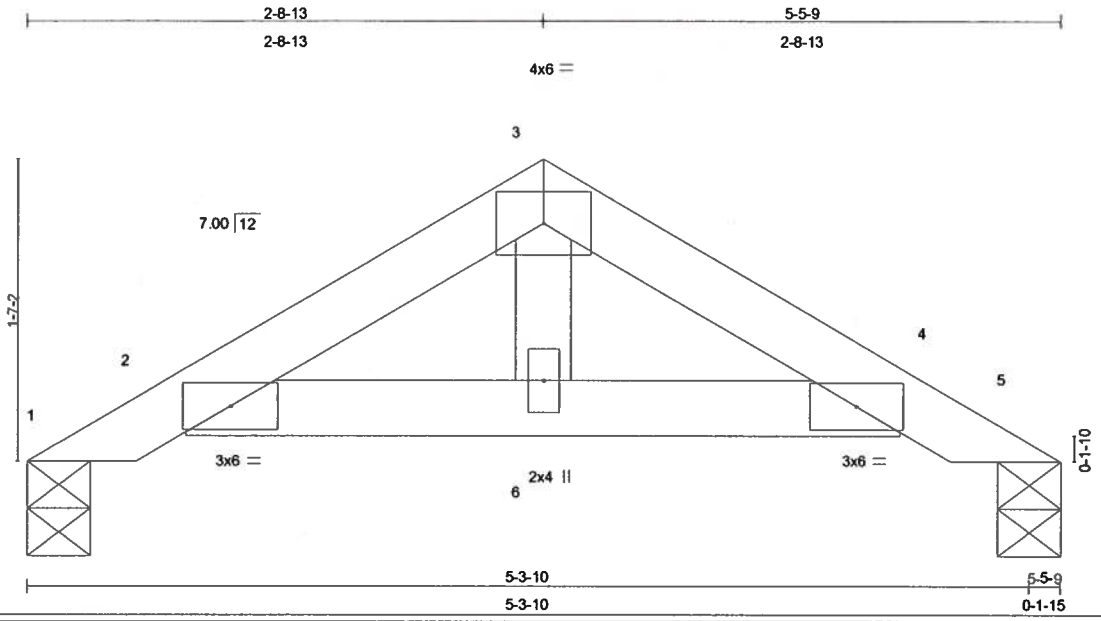

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.01	6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=165/0-4-0, 5=165/0-4-0
Max Horz 1=-42(load case 4)
Max Uplift 1=-35(load case 6), 5=-35(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-74/48, 2-3=-275/153, 3-4=-275/153, 4-5=-74/48
BOT CHORD 2-6=-91/235, 4-6=-91/235
WEBS 3-6=-39/110

JOINT STRESS INDEX
2 = 0.39, 3 = 0.12, 4 = 0.39 and 6 = 0.08

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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August 24,2007

Continued on page 2

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884248
L250968	PB01	VALLEY	9	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1 and 35 lb uplift at joint 5.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

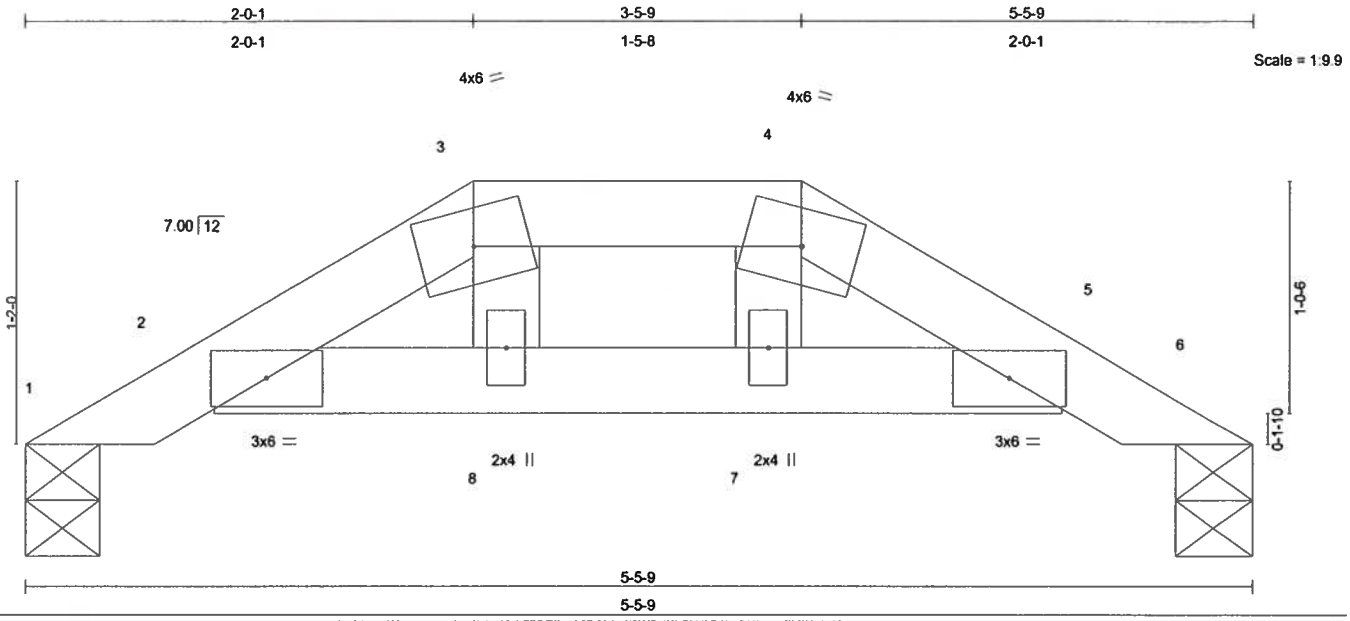
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Key Blvd
Boynton Beach, FL 33435

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884249
L250968	PB02	VALLEY	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:17 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.01	8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.01	8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=165/0-4-0, 6=165/0-4-0
Max Horz 1=-30(load case 4)
Max Uplift 1=-31(load case 6), 6=-31(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-74/55, 2-3=-312/217, 3-4=-282/219, 4-5=-312/217, 5-6=-74/55
BOT CHORD 2-8=-160/272, 7-8=-164/282, 5-7=-160/272
WEBS 3-8=-19/64, 4-7=-19/64

JOINT STRESS INDEX
2 = 0.36, 3 = 0.08, 4 = 0.08, 5 = 0.36, 7 = 0.04 and 8 = 0.04

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884249
L250968	PB02	VALLEY	2	1	Job Reference (optional)

NOTES

6) Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1 and 31 lb uplift at joint 6.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884250
L250968	T02	CAL. POLYNESIAN	1	1	Job Reference (optional)

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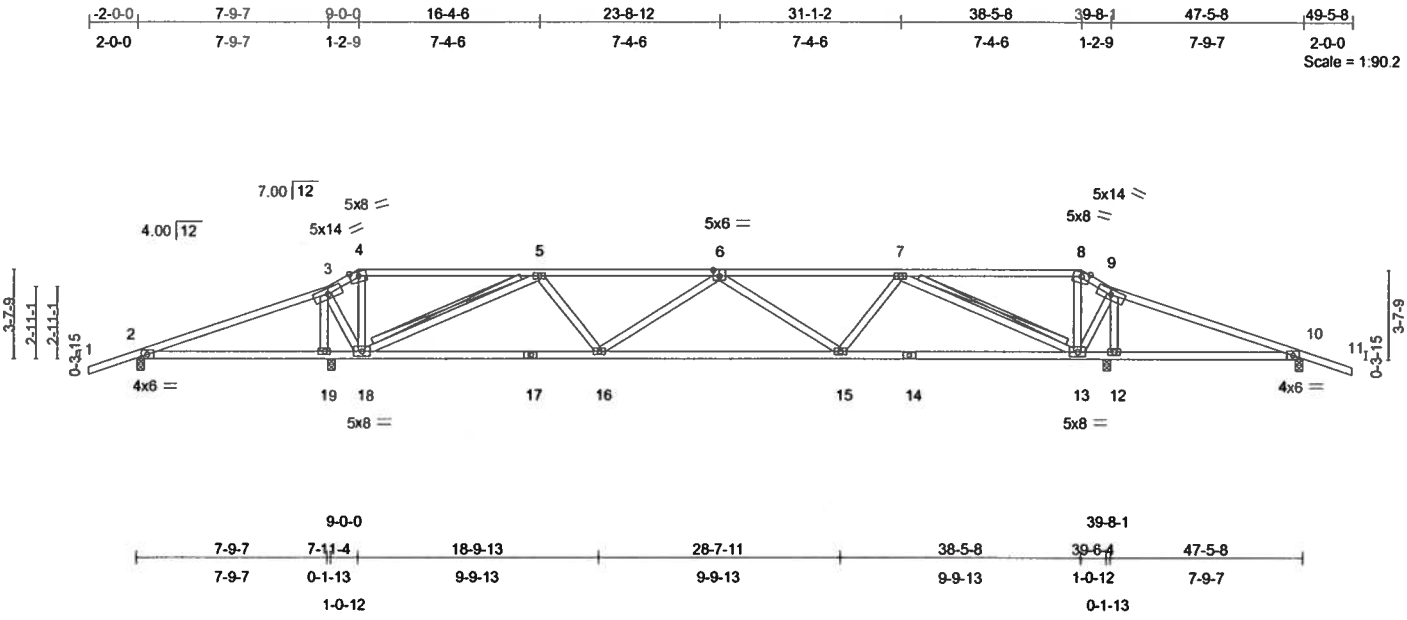

Plate Offsets (X,Y): [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.16	15-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.35	15-16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.05	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 225 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-18, 7-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=2/0-3-8, 19=1623/0-3-8, 12=1623/0-3-8, 10=2/0-3-8
Max Horz 2=63(load case 6)
Max Uplift 2=-226(load case 11), 19=-652(load case 4), 12=-657(load case 4), 10=-226(load case 10)
Max Grav 2=2(load case 1), 19=1629(load case 10), 12=1629(load case 11), 10=2(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-447/1075, 3-4=-104/362, 4-5=-117/326, 5-6=-1434/760, 6-7=-1434/760, 7-8=-117/326, 8-9=-109/362, 9-10=-447/1075, 10-11=0/33
BOT CHORD 2-19=-961/527, 18-19=-886/490, 17-18=-483/1220, 16-17=-483/1220, 15-16=-750/1718, 14-15=-483/1220, 13-14=-483/1220, 12-13=-886/490, 10-12=-961/527
WEBS 3-19=-1528/671, 3-18=-354/1342, 4-18=-454/141, 5-18=-1685/899, 5-16=-102/433, 6-16=-356/250, 6-15=-356/250, 7-15=-102/433, 7-13=-1685/899, 8-13=-454/148,

Continued on page 2

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Truss Design Engineer
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August 24,2007

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T02	CAL. POLYNESIAN	1	1	J1884250
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.28, 3 = 0.66, 4 = 0.64, 5 = 0.49, 6 = 0.54, 7 = 0.49, 8 = 0.64, 9 = 0.66, 10 = 0.28, 12 = 0.37, 13 = 0.67, 14 = 0.45, 15 = 0.39, 16 = 0.39, 17 = 0.45, 18 = 0.67 and 19 = 0.37

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 2, 652 lb uplift at joint 19, 657 lb uplift at joint 12 and 226 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884251
L250968	T03	CAL. POLYNESIAN	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:20 2007 Page 1

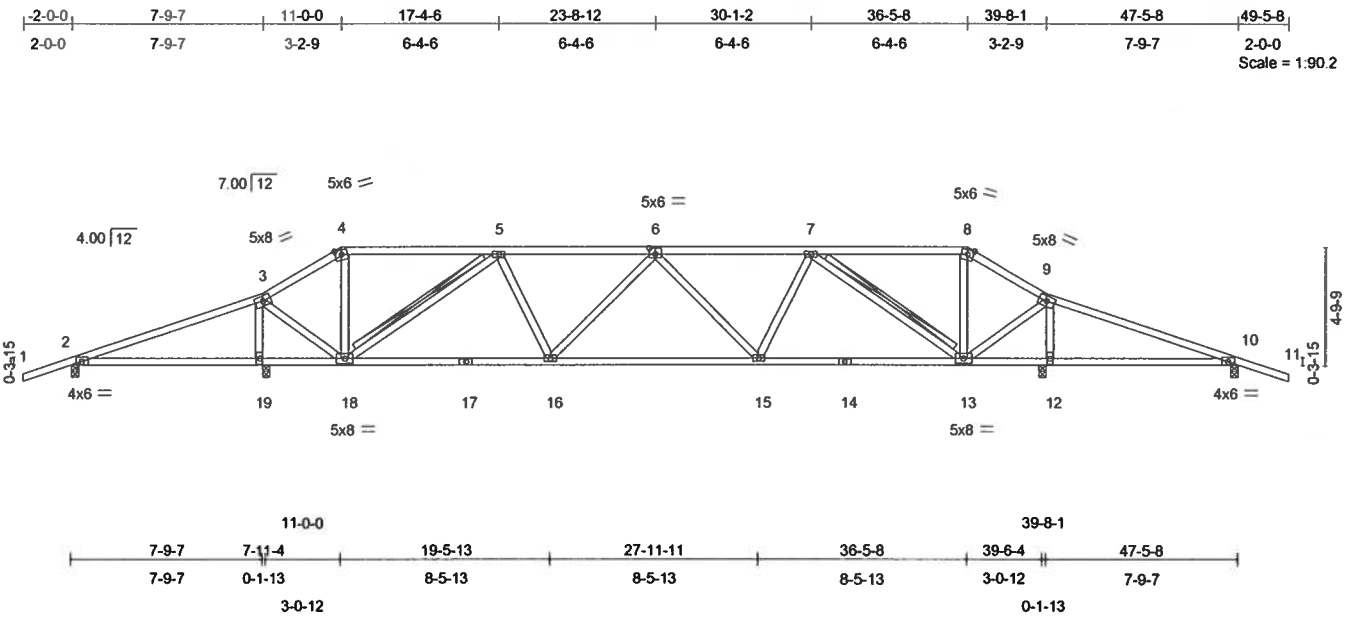

Plate Offsets (X,Y): [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.17	10-12	>536	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.22	16-18	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.04	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 236 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-18, 7-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=128/0-3-8, 19=1497/0-3-8, 12=1497/0-3-8, 10=128/0-3-8
Max Horz 2=77(load case 6)
Max Uplift 2=-242(load case 4), 19=-579(load case 5), 12=-579(load case 4), 10=-242(load case 5)
Max Grav 2=130(load case 10), 19=1497(load case 1), 12=1497(load case 1), 10=130(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-270/706, 3-4=-449/270, 4-5=-333/249, 5-6=-1305/744, 6-7=-1305/744, 7-8=-333/249, 8-9=-449/270, 9-10=-270/706, 10-11=0/33
BOT CHORD 2-19=-606/361, 18-19=-543/321, 17-18=-444/1185, 16-17=-444/1185, 15-16=-589/1462, 14-15=-444/1185, 13-14=-444/1185, 12-13=-543/321, 10-12=-606/361
WEBS 3-19=-1406/715, 3-18=-384/1096, 4-18=-26/93, 5-18=-1055/571, 5-16=-78/336, 6-16=-233/164, 6-15=-233/164, 7-15=-78/336, 7-13=-1055/571, 8-13=-25/93,

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
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Boynton Beach, FL 33435

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
					J1884251
L250968	T03	CAL. POLYNESIAN	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.28, 3 = 0.71, 4 = 0.29, 5 = 0.45, 6 = 0.41, 7 = 0.45, 8 = 0.29, 9 = 0.71, 10 = 0.28, 12 = 0.23, 13 = 0.49, 14 = 0.47, 15 = 0.45, 16 = 0.45, 17 = 0.47, 18 = 0.49 and 19 = 0.23

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 242 lb uplift at joint 2, 579 lb uplift at joint 19, 579 lb uplift at joint 12 and 242 lb uplift at joint 10.

LOAD CASE(S) Standard

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Florida PE No. 34869
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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884252
L250968	T04	CAL. POLYNESIAN	1	1	Job Reference (optional)

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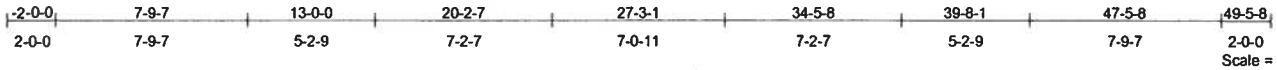

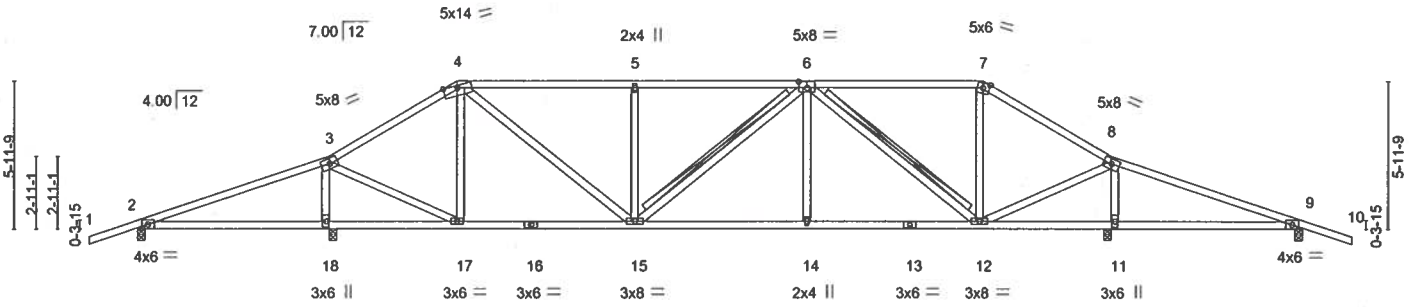

Plate Offsets (X,Y): [6:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.18	2-18	>491	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.14	14-15	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 246 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-15, 6-12
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=230/0-3-8, 18=1392/0-3-8, 11=1410/0-3-8, 9=218/0-3-8
Max Horz 2=90(load case 6)
Max Uplift 2=-294(load case 4), 18=-512(load case 5), 11=-514(load case 4), 9=-280(load case 5)
Max Grav 2=233(load case 10), 18=1392(load case 1), 11=1410(load case 1), 9=222(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-117/394, 3-4=-846/463, 4-5=-1245/751, 5-6=-1244/751, 6-7=-655/440, 7-8=-834/453, 8-9=-146/431, 9-10=0/33
BOT CHORD 2-18=-308/216, 17-18=-252/177, 16-17=-125/654, 15-16=-125/654, 14-15=-432/1241, 13-14=-432/1241, 12-13=-432/1241, 11-12=-286/204, 9-11=-343/243
WEBS 3-18=-1298/692, 3-17=-343/1001, 4-17=-391/226, 4-15=-392/777, 5-15=-399/282, 6-15=-26/23, 6-14=0/218, 6-12=-778/397, 7-12=-52/182, 8-12=-363/1027,

Continued on page 2

Julius Lee
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Florida PE No. 31899
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T04	CAL. POLYNESIAN	1	1	J1884252
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.27, 3 = 0.72, 4 = 0.93, 5 = 0.33, 6 = 0.37, 7 = 0.43, 8 = 0.72, 9 = 0.27, 11 = 0.22, 12 = 0.93, 13 = 0.46, 14 = 0.33, 15 = 0.73, 16 = 0.31, 17 = 0.56 and 18 = 0.22

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 2, 512 lb uplift at joint 18, 514 lb uplift at joint 11 and 280 lb uplift at joint 9.

LOAD CASE(S) Standard

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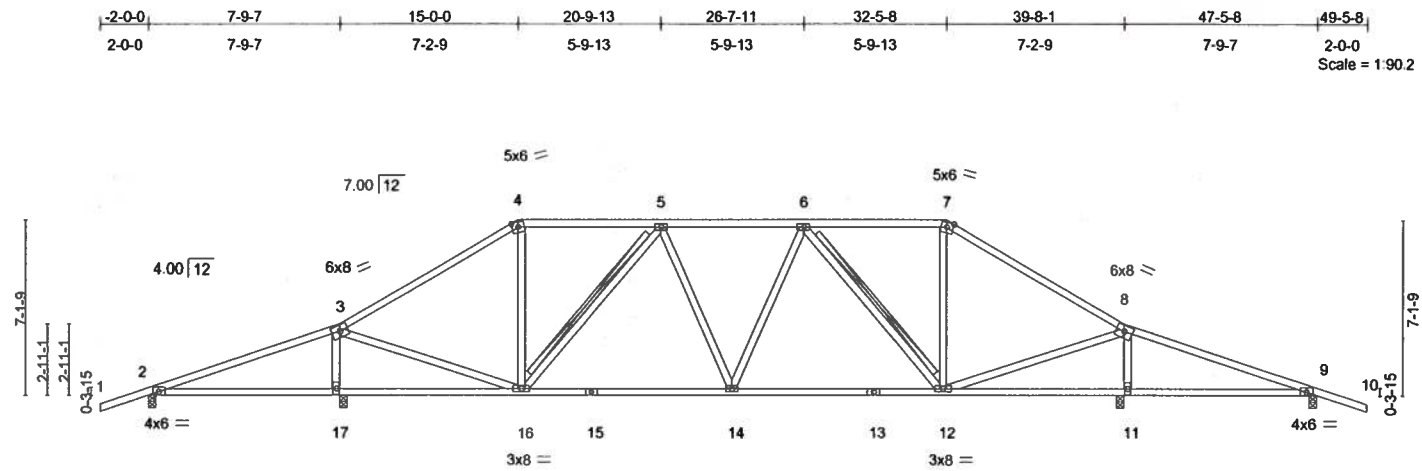
August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884253
L250968	T05	CAL. POLYNESIAN	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:23 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.18	9-11	>489	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.19	12-14	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 249 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-16, 6-12
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=274/0-3-8, 17=1351/0-3-8, 11=1351/0-3-8, 9=274/0-3-8
Max Horz 2=104(load case 6)
Max Uplift 2=-318(load case 4), 17=-469(load case 5), 11=-456(load case 4), 9=-306(load case 5)
Max Grav 2=278(load case 10), 17=1351(load case 1), 11=1351(load case 1), 9=278(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-84/236, 3-4=-1017/528, 4-5=-790/528, 5-6=-1100/681, 6-7=-790/528, 7-8=-1017/528, 8-9=-56/236, 9-10=0/33
BOT CHORD 2-17=-158/155, 16-17=-111/116, 15-16=-321/1081, 14-15=-321/1081, 13-14=-321/1081, 12-13=-321/1081, 11-12=-111/116, 9-11=-158/155
WEBS 3-17=-1255/693, 3-16=-292/927, 4-16=-100/229, 5-16=-519/267, 5-14=-4/146, 6-14=-4/146, 6-12=-519/267, 7-12=-91/229, 8-12=-292/927, 8-11=-1255/693

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August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T05	CAL. POLYNESIAN	1	1	J1884253
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.22, 3 = 0.74, 4 = 0.55, 5 = 0.46, 6 = 0.46, 7 = 0.55, 8 = 0.74, 9 = 0.22, 11 = 0.22, 12 = 0.83, 13 = 0.41, 14 = 0.46, 15 = 0.41, 16 = 0.83 and 17 = 0.22

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 318 lb uplift at joint 2, 469 lb uplift at joint 17, 456 lb uplift at joint 11 and 306 lb uplift at joint 9.

LOAD CASE(S) Standard

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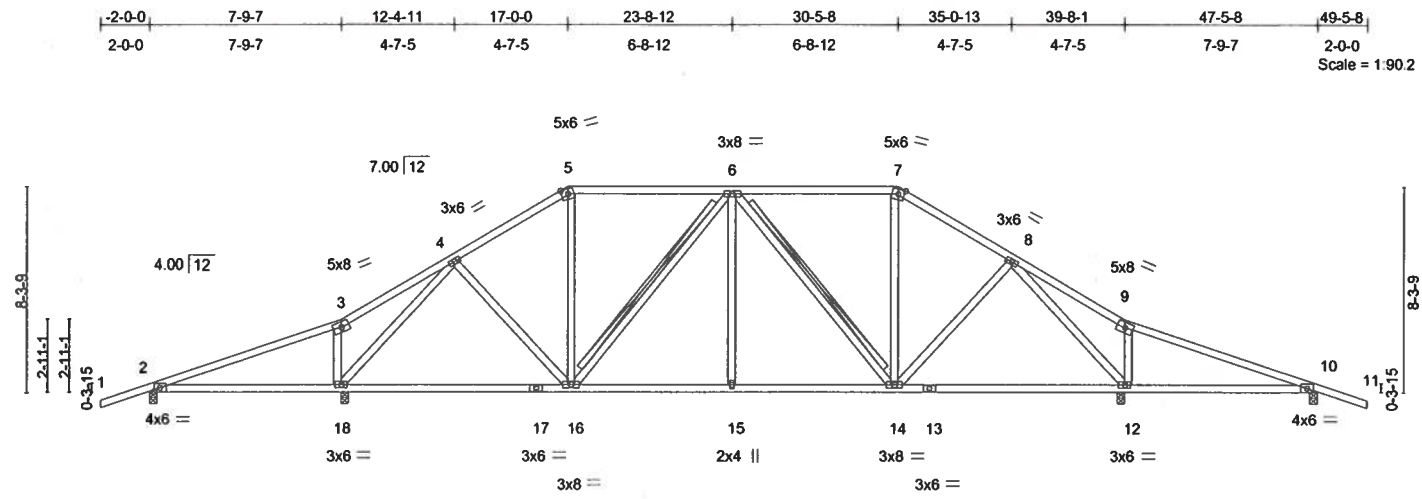
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884254
L250968	T06	CAL. POLYNESIAN	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:24 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.20	10-12	>449	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.23	16-18	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.04	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 265 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-16, 6-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=302/0-3-8, 18=1323/0-3-8, 12=1323/0-3-8, 10=302/0-3-8
Max Horz 2=118(load case 6)
Max Uplift 2=-315(load case 4), 18=-416(load case 5), 12=-402(load case 4), 10=-300(load case 5)
Max Grav 2=306(load case 10), 18=1323(load case 1), 12=1323(load case 1), 10=306(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-86/159, 3-4=-24/136, 4-5=-996/570, 5-6=-821/552, 6-7=-821/552, 7-8=-996/570, 8-9=-24/136, 9-10=-72/159, 10-11=0/33
BOT CHORD 2-18=-85/172, 17-18=-141/687, 16-17=-141/687, 15-16=-236/999, 14-15=-236/999, 13-14=-141/687, 12-13=-141/687, 10-12=-85/172
WEBS 3-18=-375/370, 4-18=-1126/438, 4-16=-110/258, 5-16=-60/239, 6-16=-353/201, 6-15=0/162, 6-14=-353/201, 7-14=-60/239, 8-14=-121/258, 8-12=-1126/438, 9-12=-375/370

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August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884254
L250968	T06	CAL. POLYNESIAN	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.27, 3 = 0.77, 4 = 0.40, 5 = 0.47, 6 = 0.56, 7 = 0.47, 8 = 0.40, 9 = 0.77, 10 = 0.27, 12 = 0.37, 13 = 0.22, 14 = 0.56, 15 = 0.33, 16 = 0.56, 17 = 0.22 and 18 = 0.37

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint 2, 416 lb uplift at joint 18, 402 lb uplift at joint 12 and 300 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884255
L250968	T07	CAL. POLYNESIAN	1	1	Job Reference (optional)

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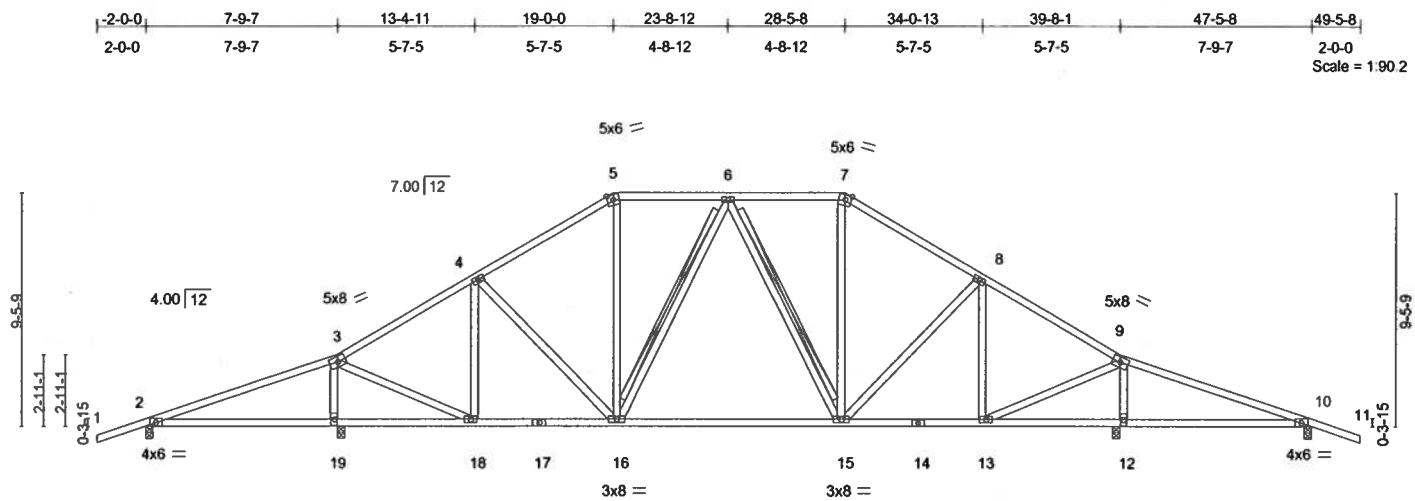

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.18	10-12	>492	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.26	15-16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.02	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 275 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-16, 6-15
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=280/0-3-8, 19=1345/0-3-8, 12=1345/0-3-8, 10=280/0-3-8
Max Horz 2=132(load case 5)
Max Uplift 2=-338(load case 4), 19=-391(load case 6), 12=-365(load case 7), 10=-313(load case 5)
Max Grav 2=290(load case 10), 19=1345(load case 1), 12=1345(load case 1), 10=290(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-93/231, 3-4=-932/480, 4-5=-969/582, 5-6=-775/566, 6-7=-775/566, 7-8=-969/582, 8-9=-932/480, 9-10=-48/231, 10-11=0/33
BOT CHORD 2-19=-154/150, 18-19=-90/114, 17-18=-139/729, 16-17=-139/729, 15-16=-133/831, 14-15=-139/729, 13-14=-139/729, 12-13=-90/114, 10-12=-154/150
WEBS 3-19=-1246/655, 3-18=-279/898, 4-18=-347/187, 4-16=-108/154, 5-16=-80/229, 6-16=-231/174, 6-15=-231/174, 7-15=-80/229, 8-15=-125/154, 8-13=-347/187, 9-13=-279/898, 9-12=-1246/655

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T07	CAL. POLYNESIAN	1	1	J1884255
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.26, 3 = 0.76, 4 = 0.40, 5 = 0.43, 6 = 0.45, 7 = 0.43, 8 = 0.40, 9 = 0.76, 10 = 0.26, 12 = 0.21, 13 = 0.50, 14 = 0.26, 15 = 0.60, 16 = 0.60, 17 = 0.26, 18 = 0.50 and 19 = 0.21

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 338 lb uplift at joint 2, 391 lb uplift at joint 19, 365 lb uplift at joint 12 and 313 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884256
L250968	T08	CAL. POLYNESIAN	1	1	Job Reference (optional)

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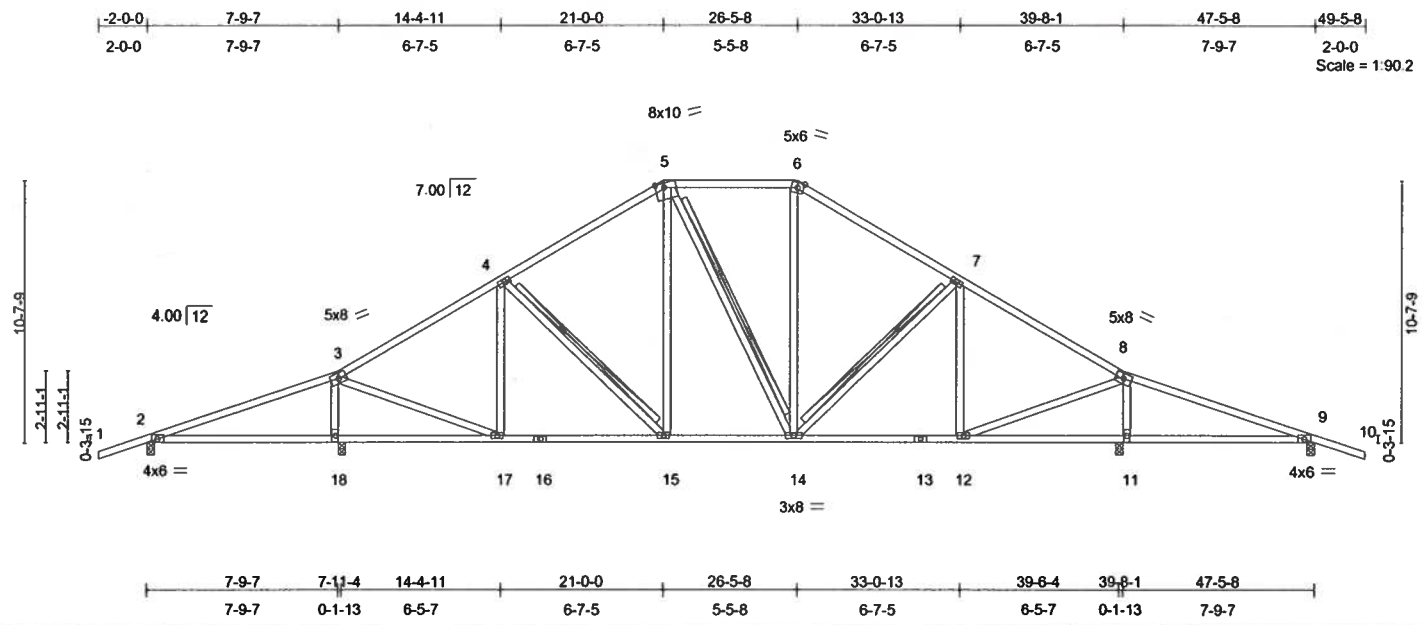

Plate Offsets (X,Y): [5:0-4-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.19	9-11	>485	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.12	9-11	>735	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 275 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-15, 5-14, 7-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=291/0-3-8, 18=1335/0-3-8, 11=1332/0-3-8, 9=293/0-3-8
Max Horz 2=164(load case 5)
Max Uplift 2=-354(load case 4), 18=-406(load case 6), 11=-378(load case 7), 9=-319(load case 5)
Max Grav 2=300(load case 10), 18=1335(load case 1), 11=1332(load case 1), 9=304(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-104/194, 3-4=-1008/503, 4-5=-947/580, 5-6=-740/571, 6-7=-947/580, 7-8=-1009/503, 8-9=-33/188, 9-10=0/33
BOT CHORD 2-18=-118/136, 17-18=-62/105, 16-17=-149/788, 15-16=-149/788, 14-15=-50/740, 13-14=-149/790, 12-13=-149/790, 11-12=-54/99, 9-11=-111/135
WEBS 3-18=-1238/654, 3-17=-267/900, 4-17=-273/173, 4-15=-108/138, 5-15=-68/206, 5-14=-140/141, 6-14=-68/207, 7-14=-125/138, 7-12=-272/172, 8-12=-267/895, 8-11=-1235/653

Continued on page 2

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August 24,2007

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884256
L250968	T08	CAL. POLYNESIAN	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.24, 3 = 0.81, 4 = 0.40, 5 = 0.53, 6 = 0.50, 7 = 0.40, 8 = 0.81, 9 = 0.24, 11 = 0.21, 12 = 0.49, 13 = 0.29, 14 = 0.61, 15 = 0.36, 16 = 0.28, 17 = 0.49 and 18 = 0.21

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 354 lb uplift at joint 2, 406 lb uplift at joint 18, 378 lb uplift at joint 11 and 319 lb uplift at joint 9.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884257
L250968	T09	CAL. POLYNESIAN	1	1	Job Reference (optional)

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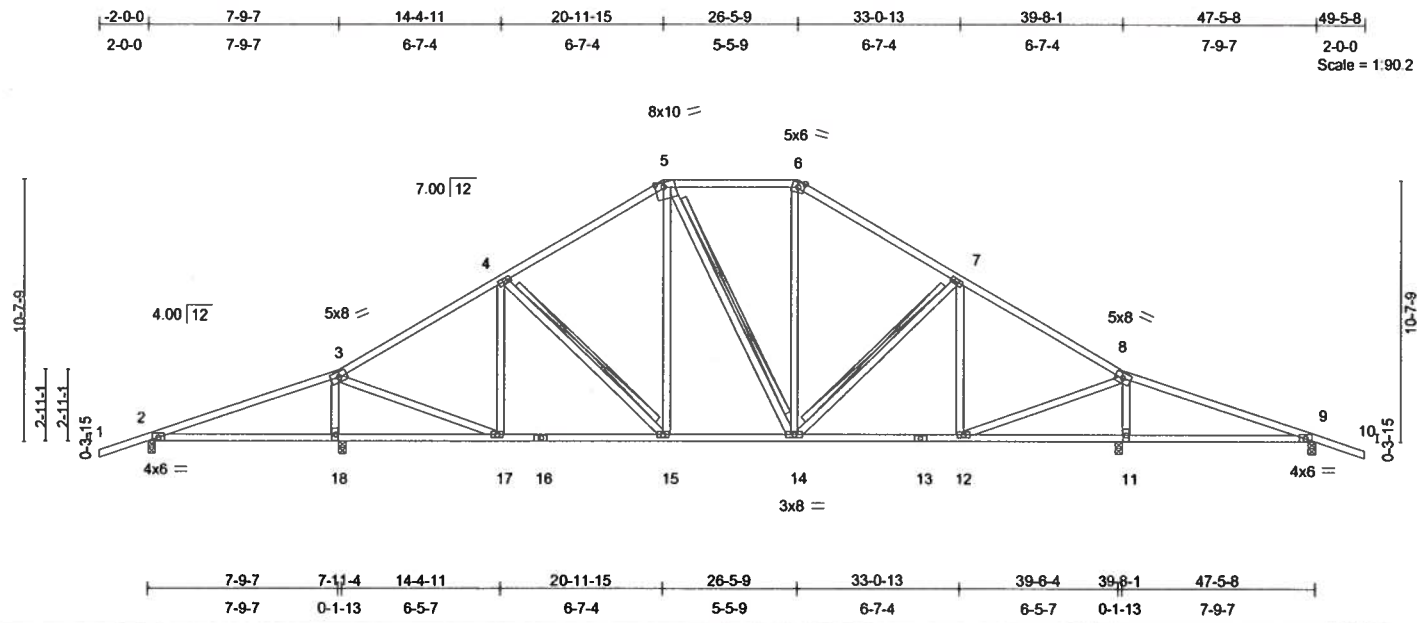

Plate Offsets (X,Y): [5:0-4-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.19	9-11	>485	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.12	9-11	>735	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 275 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-13 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-15, 5-14, 7-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=291/0-3-8, 18=1335/0-3-8, 11=1332/0-3-8, 9=293/0-3-8
Max Horz 2=164(load case 5)
Max Uplift 2=-354(load case 4), 18=-406(load case 6), 11=-378(load case 7), 9=-319(load case 5)
Max Grav 2=300(load case 10), 18=1335(load case 1), 11=1332(load case 1), 9=304(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-104/194, 3-4=-1007/503, 4-5=-947/580, 5-6=-740/571, 6-7=-947/580, 7-8=-1009/503, 8-9=-33/188, 9-10=0/33
BOT CHORD 2-18=-118/136, 17-18=-62/105, 16-17=-149/788, 15-16=-149/788, 14-15=-50/740, 13-14=-149/790, 12-13=-149/790, 11-12=-54/99, 9-11=-111/135
WEBS 3-18=-1238/654, 3-17=-267/900, 4-17=-273/173, 4-15=-108/138, 5-15=-67/206, 5-14=-140/141, 6-14=-68/207, 7-14=-125/138, 7-12=-272/172, 8-12=-267/895,

Continued on page 2

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T09	CAL. POLYNESIAN	1	1	J1884257
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.24, 3 = 0.81, 4 = 0.40, 5 = 0.53, 6 = 0.50, 7 = 0.40, 8 = 0.81, 9 = 0.24, 11 = 0.21, 12 = 0.49, 13 = 0.29, 14 = 0.61, 15 = 0.36, 16 = 0.28, 17 = 0.49 and 18 = 0.21

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 354 lb uplift at joint 2, 406 lb uplift at joint 18, 378 lb uplift at joint 11 and 319 lb uplift at joint 9.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884258
L250968	T10	CAL. POLYNESIAN	1	1	Job Reference (optional)

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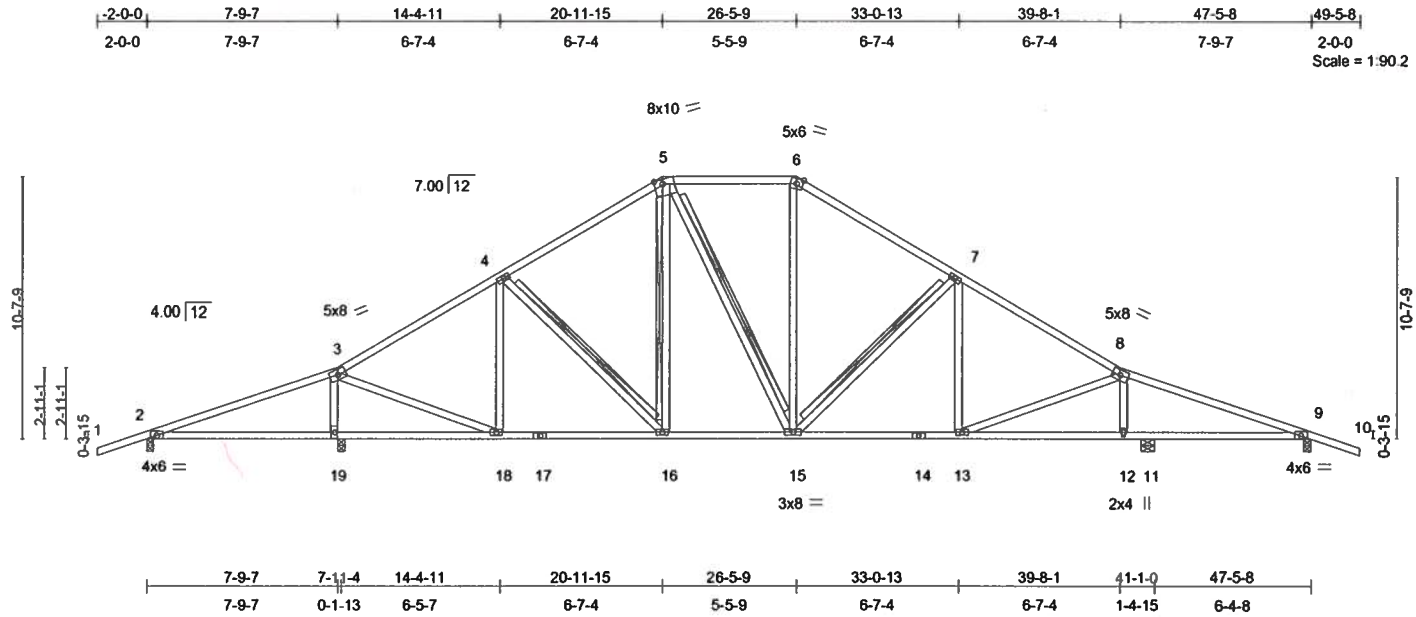

Plate Offsets (X,Y): [5:0-4-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.18	2-19	>491	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.97	Vert(TL)	-0.36	12-13	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 275 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-16, 5-16, 5-15, 7-15
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=208/0-3-8, 19=1550/0-3-8, 9=670/0-3-8, 11=822/0-6-7
Max Horz 2=164(load case 5)
Max Uplift 2=-350(load case 4), 19=-423(load case 6), 9=-285(load case 7), 11=-286(load case 7)
Max Grav 2=254(load case 10), 19=1550(load case 1), 9=670(load case 1), 11=822(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-130/446, 3-4=-1056/525, 4-5=-1078/635, 5-6=-917/643, 6-7=-1151/663, 7-8=-1516/716, 8-9=-1285/489, 9-10=0/33
BOT CHORD 2-19=-356/227, 18-19=-275/186, 17-18=-168/830, 16-17=-168/830, 15-16=-97/852, 14-15=-336/1232, 13-14=-336/1232, 12-13=-361/1189, 11-12=-335/1149, 9-11=-335/1149
WEBS 3-19=-1452/738, 3-18=-381/1188, 4-18=-382/216, 4-16=-109/156, 5-16=-48/168,

Continued on page 2

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T10	CAL. POLYNESIAN	1	1	J1884258
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.24, 3 = 0.82, 4 = 0.40, 5 = 0.53, 6 = 0.50, 7 = 0.40, 8 = 0.70, 9 = 0.71, 12 = 0.33, 13 = 0.34, 14 = 0.50, 15 = 0.61, 16 = 0.36, 17 = 0.30, 18 = 0.65 and 19 = 0.23

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 350 lb uplift at joint 2, 423 lb uplift at joint 19, 285 lb uplift at joint 9 and 286 lb uplift at joint 11.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884259
L250968	T11	CAL. POLYNESIAN	3	1	Job Reference (optional)

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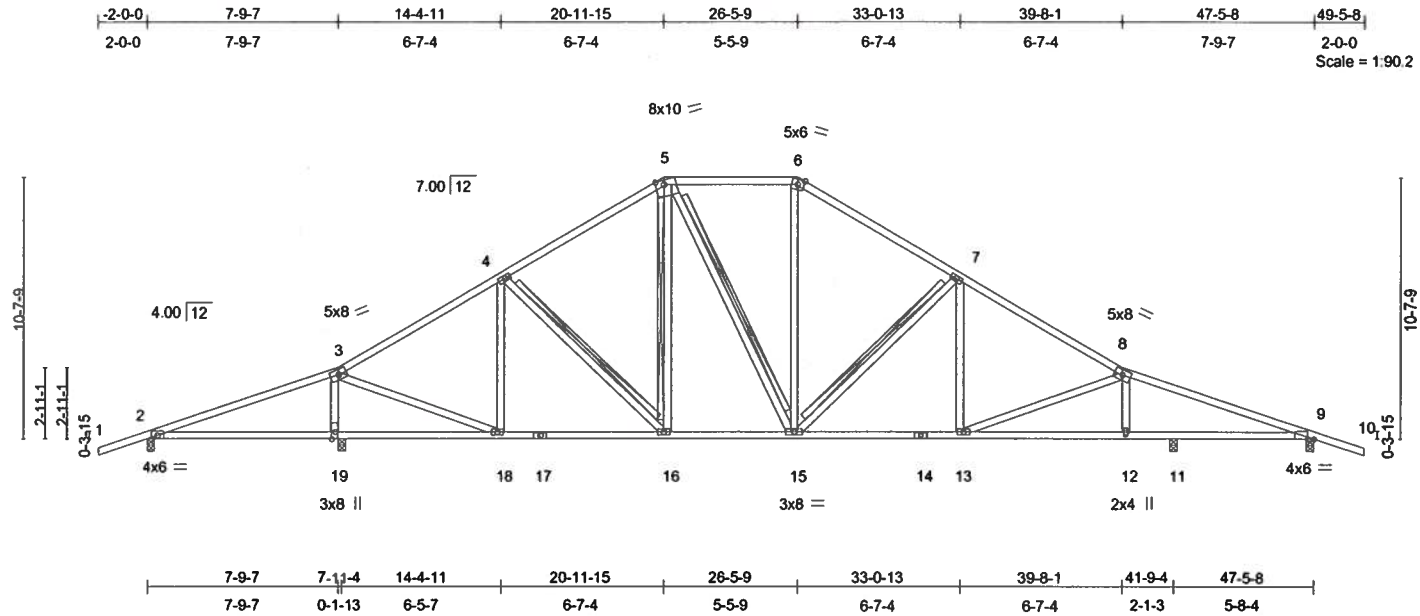

Plate Offsets (X,Y): [5:0-4-1,Edge], [9:0-2-14,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.23	12-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.41	12-13	>990	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.07	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 275 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D *Except* 14-17 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-16, 5-16, 5-15, 7-15
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=153/0-3-8, 19=1686/0-3-8, 9=949/0-3-8, 11=462/0-3-8
Max Horz 2=164(load case 5)
Max Uplift 2=-337(load case 4), 19=-449(load case 6), 9=-351(load case 7), 11=-174(load case 4)
Max Grav 2=224(load case 10), 19=1686(load case 1), 9=949(load case 1), 11=462(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-230/613, 3-4=-1079/537, 4-5=-1153/677, 5-6=-1023/703, 6-7=-1273/733, 7-8=-1805/883, 8-9=-2191/998, 9-10=0/33
BOT CHORD 2-19=-514/321, 18-19=-426/276, 17-18=-178/850, 16-17=-178/850, 15-16=-134/916, 14-15=-481/1483, 13-14=-481/1483, 12-13=-828/2022, 11-12=-814/2004, 9-11=-814/2004
WEBS 3-19=-1585/815, 3-18=-489/1372, 4-18=-451/257, 4-16=-123/213, 5-16=-81/138,

Continued on page 2

Julius Lee
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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T11	CAL. POLYNESIAN	3	1	J1884259
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.27, 3 = 0.82, 4 = 0.40, 5 = 0.53, 6 = 0.51, 7 = 0.40, 8 = 0.64, 9 = 0.78, 12 = 0.33, 13 = 0.34, 14 = 0.56, 15 = 0.61, 16 = 0.36, 17 = 0.31, 18 = 0.75 and 19 = 0.26

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 337 lb uplift at joint 2, 449 lb uplift at joint 19, 351 lb uplift at joint 9 and 174 lb uplift at joint 11.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884260
L250968	T12	CAL. POLYNESIAN	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:33 2007 Page 1

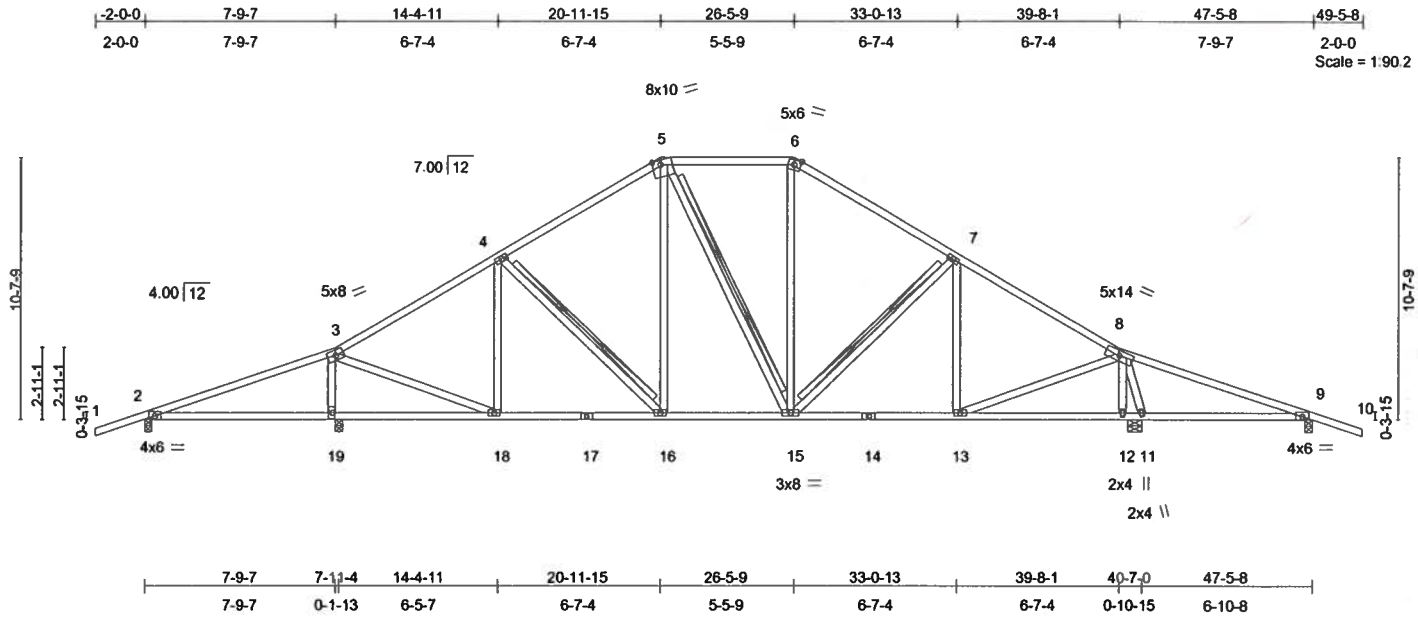

Plate Offsets (X,Y): [5:0-4-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	0.17	2-19	>533	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.11	2-19	>807	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 278 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D *Except* 14-17 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-15 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-16, 5-15, 7-15
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=288/0-3-8, 19=1358/0-3-8, 9=232/0-3-8, 11=1372/0-6-7
Max Horz 2=164(load case 5)
Max Uplift 2=-352(load case 4), 19=-409(load case 6), 9=-304(load case 5), 11=-376(load case 7)
Max Grav 2=298(load case 10), 19=1358(load case 1), 9=247(load case 11), 11=1372(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-101/202, 3-4=-1028/511, 4-5=-976/593, 5-6=-775/586, 6-7=-988/598, 7-8=-1102/551, 8-9=-103/344, 9-10=0/33
BOT CHORD 2-19=-125/144, 18-19=-69/112, 17-18=-156/806, 16-17=-156/806, 15-16=-62/765, 14-15=-192/871, 13-14=-192/871, 12-13=0/179, 11-12=0/175, 9-11=-261/203
WEBS 3-19=-1260/665, 3-18=-283/926, 4-18=-284/180, 4-16=-106/132, 5-16=-67/203, 5-15=-139/161, 6-15=-77/221, 7-15=-169/177, 7-13=-202/133, 8-13=-250/747,

Continued on page 2

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T12	CAL. POLYNESIAN	1	1	J1884260
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.26, 3 = 0.81, 4 = 0.40, 5 = 0.53, 6 = 0.50, 7 = 0.40, 8 = 0.42, 9 = 0.32, 11 = 0.48, 12 = 0.33, 13 = 0.41, 14 = 0.33, 15 = 0.61, 16 = 0.36, 17 = 0.33, 18 = 0.51 and 19 = 0.21

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 352 lb uplift at joint 2, 409 lb uplift at joint 19, 304 lb uplift at joint 9 and 376 lb uplift at joint 11.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884261
L250968	T13	CAL. POLYNESIAN	2	1	Job Reference (optional)

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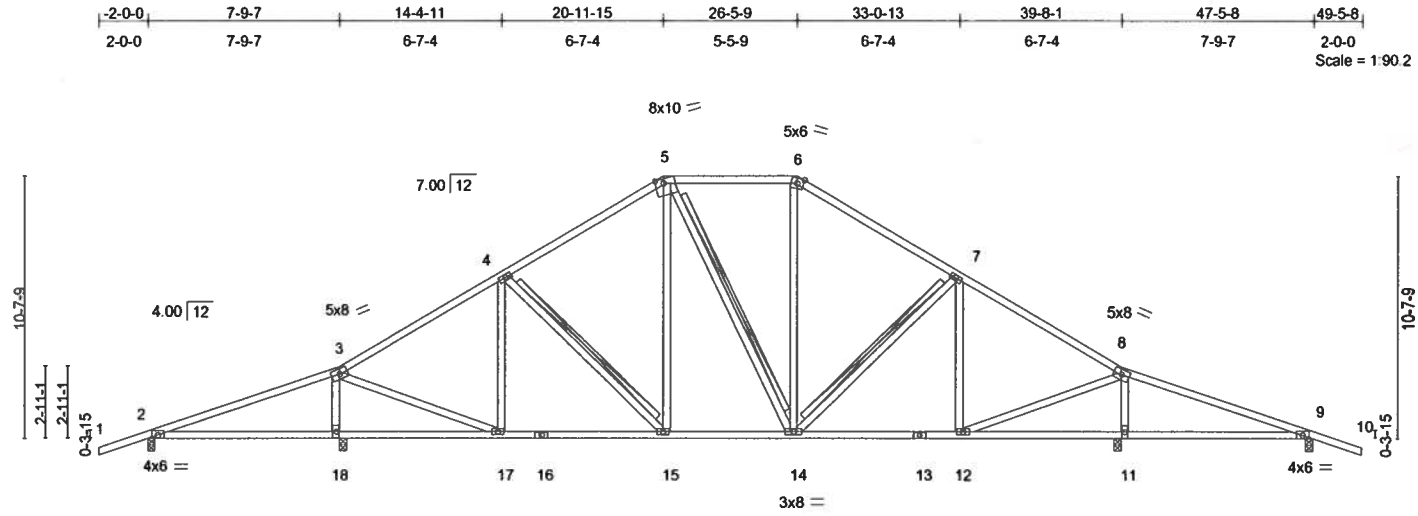

Plate Offsets (X,Y): [5:0-4-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.19	9-11	>485	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.12	9-11	>735	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 275 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-13 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-15, 5-14, 7-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=291/0-3-8, 18=1335/0-3-8, 11=1332/0-3-8, 9=293/0-3-8
Max Horz 2=164(load case 5)
Max Uplift 2=-354(load case 4), 18=-406(load case 6), 11=-378(load case 7), 9=-319(load case 5)
Max Grav 2=300(load case 10), 18=1335(load case 1), 11=1332(load case 1), 9=304(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-104/194, 3-4=-1007/503, 4-5=-947/580, 5-6=-740/571, 6-7=-947/580, 7-8=-1009/503, 8-9=-33/188, 9-10=0/33
BOT CHORD 2-18=-118/136, 17-18=-62/105, 16-17=-149/788, 15-16=-149/788, 14-15=-50/740, 13-14=-149/790, 12-13=-149/790, 11-12=-54/99, 9-11=-111/135
WEBS 3-18=-1238/654, 3-17=-267/900, 4-17=-273/173, 4-15=-108/138, 5-15=-67/206, 5-14=-140/141, 6-14=-68/207, 7-14=-125/138, 7-12=-272/172, 8-12=-267/895,

Continued on page 2

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T13	CAL. POLYNESIAN	2	1	J1884261
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.24, 3 = 0.81, 4 = 0.40, 5 = 0.53, 6 = 0.50, 7 = 0.40, 8 = 0.81, 9 = 0.24, 11 = 0.21, 12 = 0.49, 13 = 0.29, 14 = 0.61, 15 = 0.36, 16 = 0.28, 17 = 0.49 and 18 = 0.21

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 354 lb uplift at joint 2, 406 lb uplift at joint 18, 378 lb uplift at joint 11 and 319 lb uplift at joint 9.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884262
L250968	T14	SPECIAL	1	1	Job Reference (optional)

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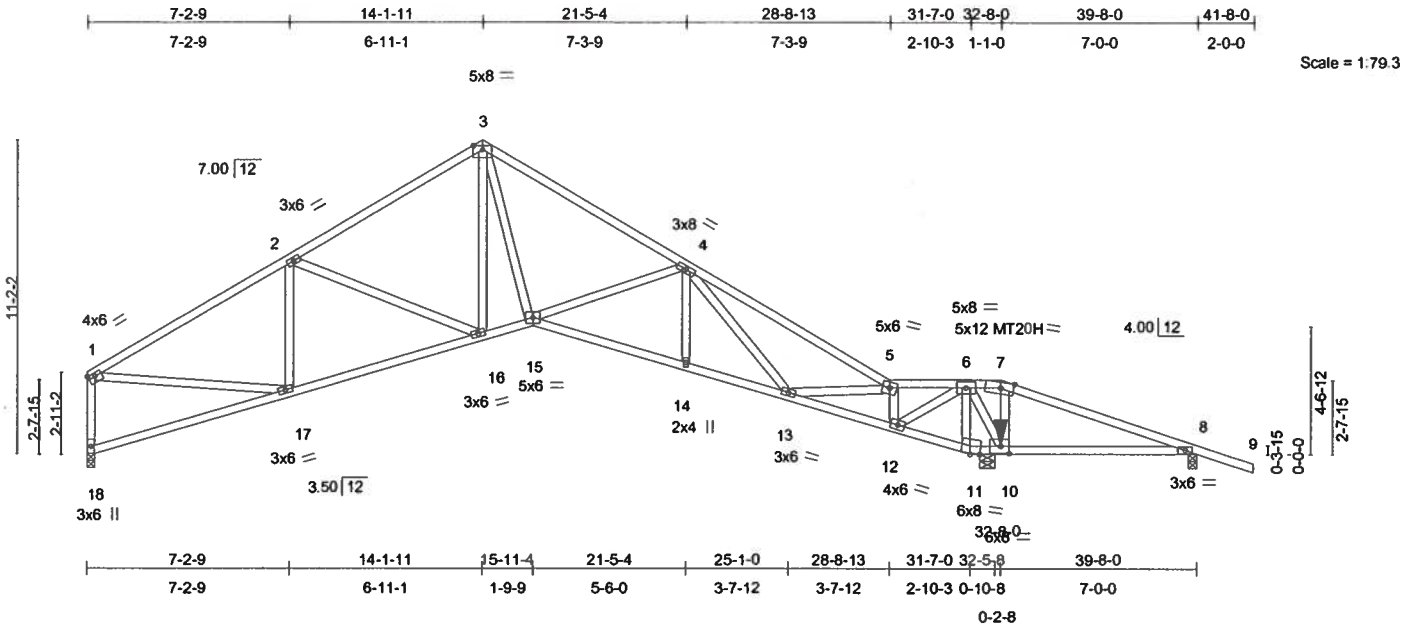

Plate Offsets (X,Y): [1:0-3-0,0-1-8], [7:0-5-7,Edge], [10:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.12	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.24	14-15	>999	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.16	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 224 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-11-13 oc bracing.

REACTIONS (lb/size) 18=932/0-3-8, 8=-214/0-3-8, 10=2421/0-6-7
Max Horz 18=-315(load case 3)
Max Uplift 18=-191(load case 5), 8=-335(load case 4), 10=-767(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1357/286, 2-3=-1290/263, 3-4=-1559/302, 4-5=-1525/296, 5-6=-351/180, 6-7=-166/1436, 7-8=-249/1648, 8-9=0/33, 1-18=-917/227
BOT CHORD 17-18=-134/352, 16-17=-220/1148, 15-16=-50/1071, 14-15=-151/1603, 13-14=-149/1609, 12-13=-107/468, 11-12=-997/244, 10-11=-943/234, 8-10=-1498/295
WEBS 2-17=-326/102, 2-16=-185/199, 3-16=-98/184, 3-15=-64/875, 4-15=-376/263, 4-14=0/166, 4-13=-493/76, 5-13=-63/799, 5-12=-1166/304, 6-12=-356/1515, 6-11=0/207, 6-10=-984/82, 7-10=-1000/325, 1-17=-136/1007

JOINT STRESS INDEX
1 = 0.75, 2 = 0.42, 3 = 0.70, 4 = 0.80, 5 = 0.56, 6 = 0.70, 7 = 0.81, 8 = 0.49, 10 = 0.18, 11 = 0.16, 12 = 0.61, 13 = 0.41, 14 = 0.34, 15 = 0.60, 16 = 0.38, 17 = 0.52 and 18 = 0.32

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.

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August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884262
L250968	T14	SPECIAL	1	1	Job Reference (optional)

NOTES

4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 18, 335 lb uplift at joint 8 and 767 lb uplift at joint 10.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-5=-54, 5-6=-54, 6-7=-118(B=-64), 7-9=-54, 15-18=-10, 11-15=-10, 10-11=-22(B=-12), 8-10=-10
   Concentrated Loads (lb)
   Vert: 10=-411(B)

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884263
L250968	T14A	SCISSORS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:36 2007 Page 1

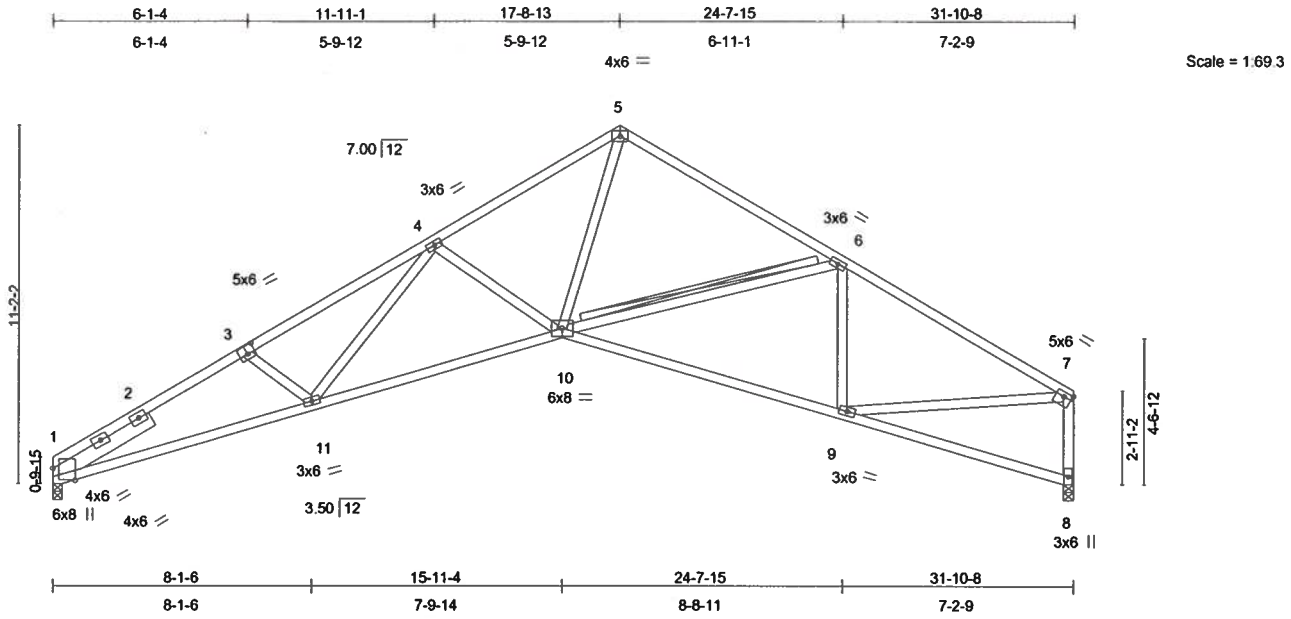

Plate Offsets (X,Y): [1:0-4-8,Edge], [3:0-3-0,0-3-0], [7:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	0.21	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.39	10-11	>979	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.27	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 176 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 3-7-2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-14 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1013/0-3-8, 8=1013/0-3-8
Max Horz 1=300(load case 5)
Max Uplift 1=-219(load case 6), 8=-204(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2573/1192, 2-3=-2478/1206, 3-4=-2351/1170, 4-5=-1860/906, 5-6=-1465/706, 6-7=-1500/686, 7-8=-999/496
BOT CHORD 1-11=-1059/2141, 10-11=-821/1969, 9-10=-523/1280, 8-9=-65/99
WEBS 3-11=-110/179, 4-11=-157/266, 4-10=-456/357, 5-10=-603/1302, 6-10=-188/246, 6-9=-364/226, 7-9=-437/1135

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JOINT STRESS INDEX
1 = 0.84, 1 = 0.45, 1 = 0.45, 2 = 0.00, 3 = 0.29, 4 = 0.40, 5 = 0.65, 6 = 0.40, 7 = 0.71, 8 = 0.28, 9 = 0.57, 10 = 0.69 and 11 = 0.37

August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T14A	SCISSORS	2	1	J1884263
					Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint 1 and 204 lb uplift at joint 8.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884264
L250968	T15	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:37 2007 Page 1

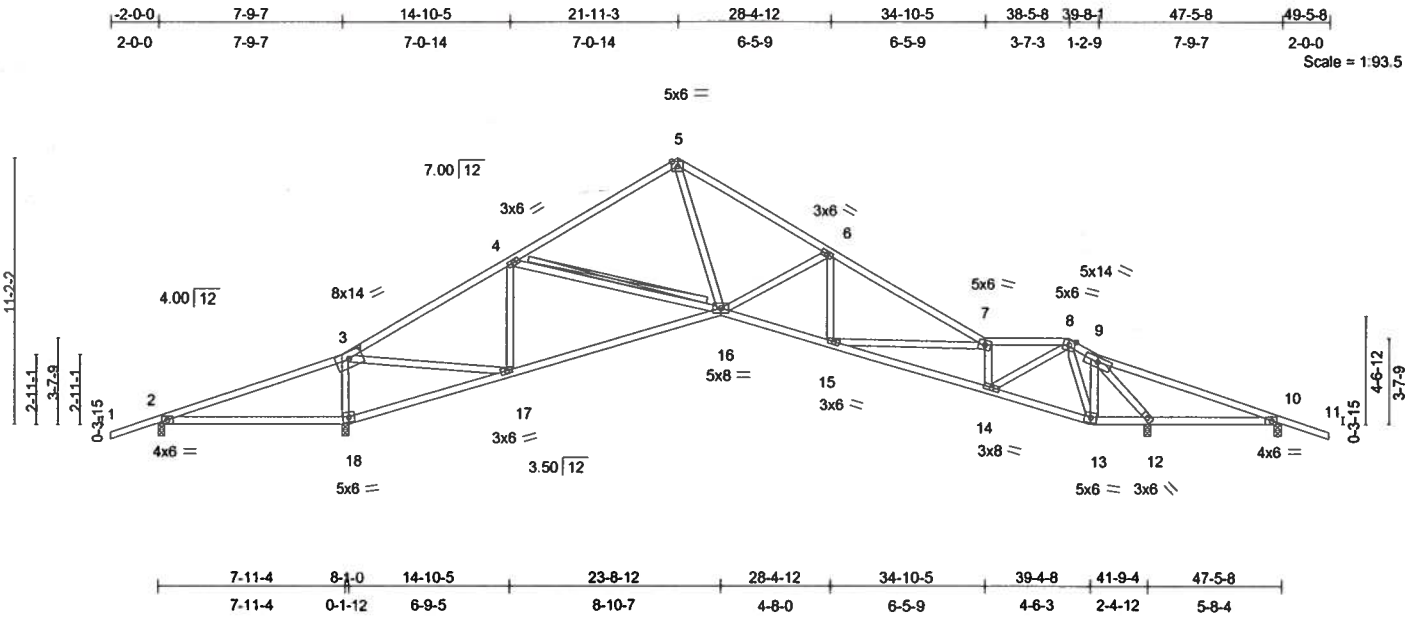

Plate Offsets (X,Y): [3:0-7-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.22	2-18	>432	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.38	16-17	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.16	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 245 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-2 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-16
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=66/0-3-8, 18=1625/0-3-8, 10=-248/0-3-8, 12=1807/0-3-8
Max Horz 2=-179(load case 4)
Max Uplift 2=-384(load case 4), 18=-461(load case 6), 10=-303(load case 5), 12=-459(load case 7)
Max Grav 2=181(load case 10), 18=1625(load case 1), 12=1807(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-262/885, 3-4=-948/398, 4-5=-1204/490, 5-6=-1491/592, 6-7=-1916/782, 7-8=-1533/787, 8-9=-50/237, 9-10=-693/1764, 10-11=0/33
BOT CHORD 2-18=-769/350, 17-18=-963/453, 16-17=-125/774, 15-16=-389/1658, 14-15=-645/1697, 13-14=0/142, 12-13=-183/112, 10-12=-1603/763
WEBS 3-18=-1268/634, 3-17=-476/1651, 4-17=-558/264, 4-16=-65/327, 5-16=-302/932, 6-16=-473/376, 6-15=-43/153, 7-15=-128/244, 7-14=-1231/604, 8-14=-730/1661, 8-13=-805/163, 9-13=-91/712, 9-12=-2195/1006

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
					J1884264
L250968	T15	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.24, 3 = 0.83, 4 = 0.40, 5 = 0.53, 6 = 0.40, 7 = 0.60, 8 = 0.54, 9 = 0.59, 10 = 0.44, 12 = 0.82, 13 = 0.29, 14 = 0.93, 15 = 0.37, 16 = 0.85, 17 = 0.83 and 18 = 0.67

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 384 lb uplift at joint 2, 461 lb uplift at joint 18, 303 lb uplift at joint 10 and 459 lb uplift at joint 12.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884265
L250968	T16	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:38 2007 Page 1

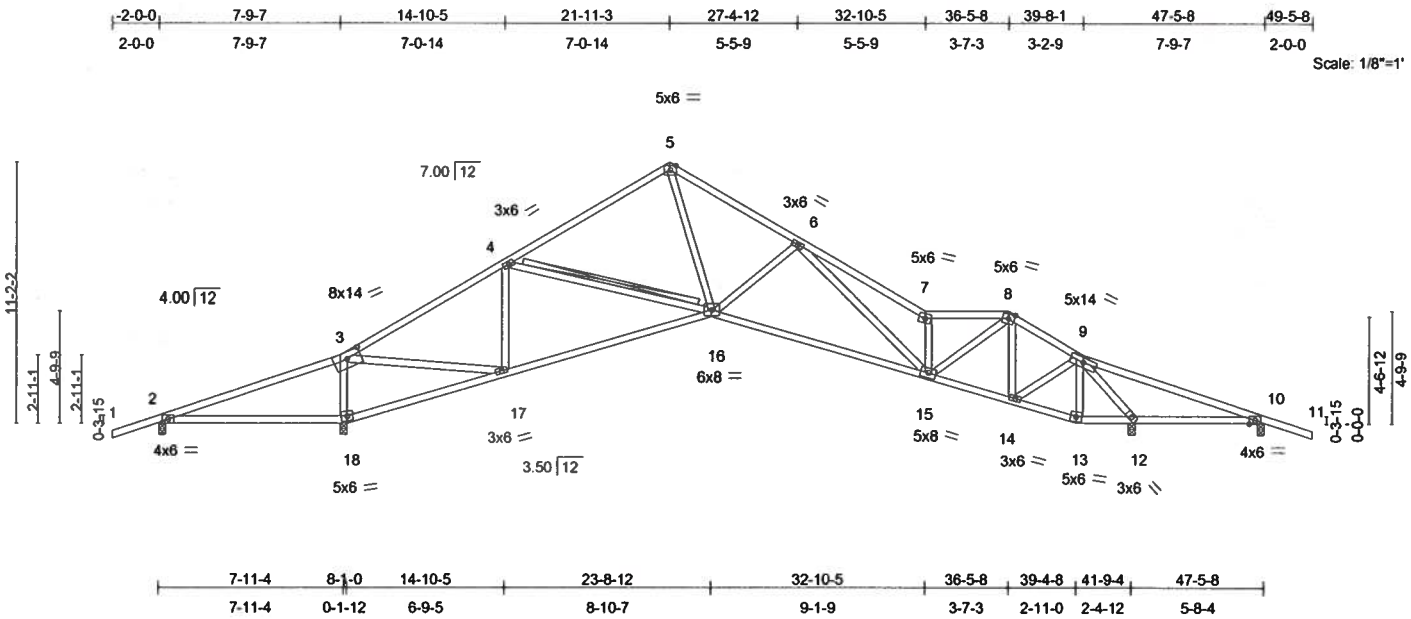

Plate Offsets (X,Y): [3:0-7-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	0.22	2-18	>432	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.40	15-16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.15	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 247 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-10-1 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-16
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=79/0-3-8, 18=1615/0-3-8, 10=-216/0-3-8, 12=1772/0-3-8
Max Horz 2=-179(load case 4)
Max Uplift 2=-384(load case 4), 18=-459(load case 6), 10=-295(load case 5), 12=-456(load case 7)
Max Grav 2=187(load case 10), 18=1615(load case 1), 12=1772(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-248/846, 3-4=-974/411, 4-5=-1228/493, 5-6=-1513/612, 6-7=-2105/1063, 7-8=-1688/804, 8-9=-742/416, 9-10=-677/1677, 10-11=0/33
BOT CHORD 2-18=-733/337, 17-18=-925/439, 16-17=-128/800, 15-16=-342/1606, 14-15=-110/627, 13-14=-158/120, 12-13=-152/111, 10-12=-1523/749
WEBS 3-18=-1267/635, 3-17=-474/1637, 4-17=-559/260, 4-16=-57/321, 5-16=-332/988, 6-16=-415/355, 6-15=-369/412, 7-15=-1284/715, 8-15=-540/1373, 8-14=-590/174, 9-14=-254/829, 9-13=-24/70, 9-12=-2137/986

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August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T16	SPECIAL	1	1	J1884265
					Job Reference (optional)

JOINT STRESS INDEX

2 = 0.24, 3 = 0.82, 4 = 0.40, 5 = 0.48, 6 = 0.40, 7 = 0.62, 8 = 0.44, 9 = 0.52, 10 = 0.44, 12 = 0.80, 13 = 0.19, 14 = 0.50, 15 = 0.58, 16 = 0.83, 17 = 0.83 and 18 = 0.66

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 384 lb uplift at joint 2, 459 lb uplift at joint 18, 295 lb uplift at joint 10 and 456 lb uplift at joint 12.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T17	SPECIAL	1	1	J1884266 Job Reference (optional)

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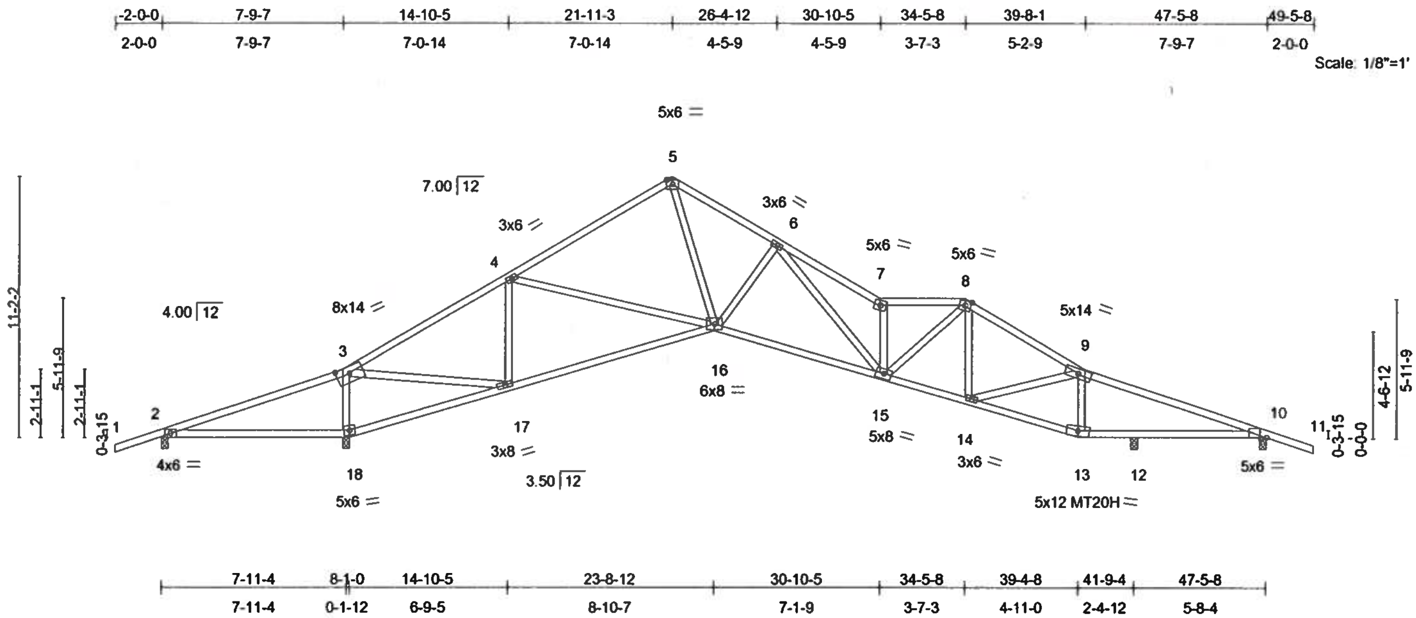

Plate Offsets (X,Y): [3:0-7-0,0-3-4], [10:0-3-3,Edge]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	0.32	15-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.58	15-16	>692	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.21	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 246 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
2-18 2 X 4 SYP No.1D, 10-13 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-7 oc bracing.

REACTIONS (lb/size) 2=-152/0-3-8, 18=2070/0-3-8, 10=862/0-3-8, 12=470/0-3-8
Max Horz 2=179(load case 5)
Max Uplift 2=-371(load case 4), 18=-517(load case 6), 10=-363(load case 7), 12=-169(load case 7)
Max Grav 2=77(load case 10), 18=2070(load case 1), 10=862(load case 1), 12=470(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-571/1551, 3-4=-900/378, 4-5=-1491/618, 5-6=-1869/800, 6-7=-3216/1558, 7-8=-2665/1246, 8-9=-2222/1046, 9-10=-1948/948, 10-11=0/33
BOT CHORD 2-18=-1399/642, 17-18=-1649/772, 16-17=-120/732, 15-16=-509/2060, 14-15=-653/1921, 13-14=-760/1776, 12-13=-765/1771, 10-12=-766/1772
WEBS 3-18=-1517/749, 3-17=-766/2270, 4-17=-800/374, 4-16=-73/585, 5-16=-508/1342, 6-16=-686/474, 6-15=-784/1258, 7-15=-1777/910, 8-15=-407/1115, 8-14=-88/105, 9-14=0/183, 9-13=-857/462

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JOINT STRESS INDEX
2 = 0.38, 3 = 0.91, 4 = 0.40, 5 = 0.46, 6 = 0.82, 7 = 0.79, 8 = 0.44, 9 = 0.73, 10 = 0.72, 13 = 0.84, 14 = 0.37, 15 = 0.68, 16 = 0.74, 17 = 0.95 and 18 = 0.86

Continued on page 2

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T17	SPECIAL	1	1	J1884266 Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 371 lb uplift at joint 2, 517 lb uplift at joint 18, 363 lb uplift at joint 10 and 169 lb uplift at joint 12.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884267
L250968	T18	SPECIAL	1	1	Job Reference (optional)

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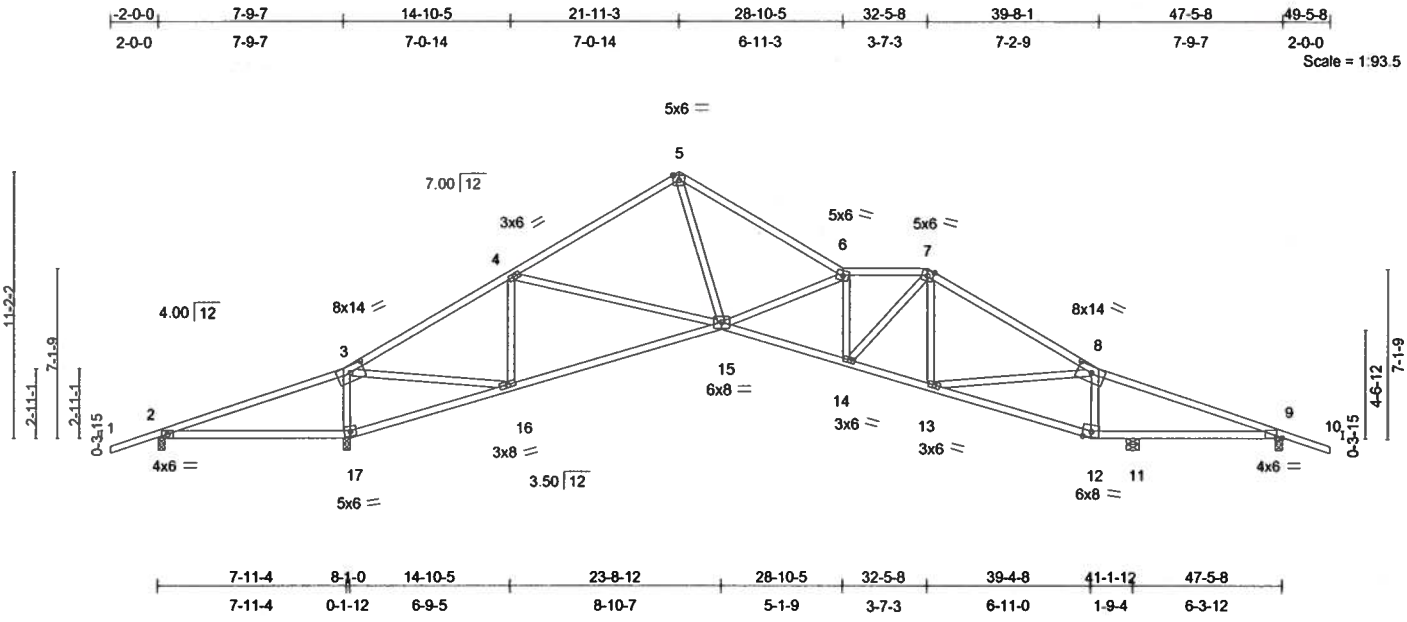

Plate Offsets (X,Y): [3:0-7-0,0-3-4], [8:0-7-0,0-3-4], [9:0-2-10,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	0.28	12-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.53	12-13	>750	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.20	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 242 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
2-17 2 X 4 SYP No.1D, 9-12 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-2 oc bracing.

REACTIONS (lb/size) 2=-78/0-3-8, 17=1962/0-3-8, 9=820/0-3-8, 11=546/0-6-7
Max Horz 2=179(load case 5)
Max Uplift 2=-381(load case 4), 17=-495(load case 6), 9=-350(load case 7), 11=-209(load case 7)
Max Grav 2=112(load case 10), 17=1962(load case 1), 9=820(load case 1), 11=546(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-445/1323, 3-4=-984/420, 4-5=-1505/626, 5-6=-1899/762, 6-7=-2302/1072, 7-8=-2109/932, 8-9=-1800/841, 9-10=0/33
BOT CHORD 2-17=-1184/523, 16-17=-1419/644, 15-16=-130/806, 14-15=-750/2443, 13-14=-528/1795, 12-13=-652/1627, 11-12=-667/1635, 9-11=-668/1636
WEBS 3-17=-1475/724, 3-16=-678/2120, 4-16=-740/340, 4-15=-74/541, 5-15=-437/1267, 6-15=-847/567, 6-14=-824/318, 7-14=-291/850, 7-13=-51/171, 8-13=0/197, 8-12=-872/488

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JOINT STRESS INDEX

2 = 0.32, 3 = 0.85, 4 = 0.40, 5 = 0.63, 6 = 0.58, 7 = 0.57, 8 = 0.65, 9 = 0.78, 12 = 0.93, 13 = 0.37, 14 = 0.62, 15 = 0.71, 16 = 0.89 and 17 = 0.81

August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T18	SPECIAL	1	1	J1884267
					Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 2, 495 lb uplift at joint 17, 350 lb uplift at joint 9 and 209 lb uplift at joint 11.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884268
L250968	T19	SPECIAL	1	1	Job Reference (optional)

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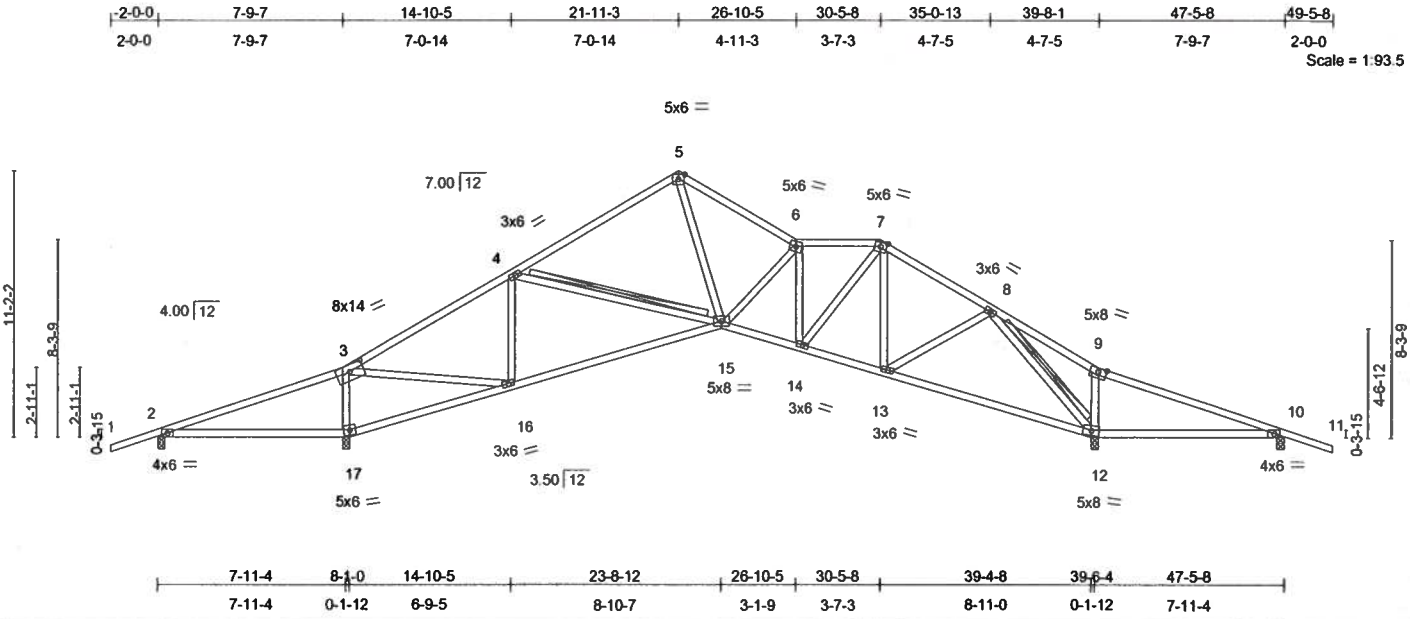

Plate Offsets (X,Y): [3:0-7-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	0.22	10-12	>417	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.31	15-16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.13	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 250 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-15, 8-12
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=161/0-3-8, 17=1472/0-3-8, 12=1454/0-3-8, 10=164/0-3-8
Max Horz 2=179(load case 5)
Max Uplift 2=-391(load case 4), 17=-437(load case 6), 12=-421(load case 7), 10=-319(load case 5)
Max Grav 2=227(load case 10), 17=1472(load case 1), 12=1454(load case 1), 10=206(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-144/596, 3-4=-1034/439, 4-5=-1177/474, 5-6=-1419/581, 6-7=-1336/625, 7-8=-1103/498, 8-9=-43/625, 9-10=-176/587, 10-11=0/33
BOT CHORD 2-17=-497/222, 16-17=-670/316, 15-16=-134/853, 14-15=-221/1426, 13-14=-79/947, 12-13=-51/569, 10-12=-490/270
WEBS 3-17=-1198/601, 3-16=-379/1444, 4-16=-479/226, 4-15=-59/232, 5-15=-299/912, 6-15=-323/280, 6-14=-675/203, 7-14=-226/690, 7-13=-265/103, 8-13=-38/428, 8-12=-1619/524, 9-12=-282/324

Continued on page 2

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August 24,2007

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884268
L250968	T19	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.22, 3 = 0.83, 4 = 0.40, 5 = 0.49, 6 = 0.35, 7 = 0.32, 8 = 0.53, 9 = 0.59, 10 = 0.26, 12 = 0.59, 13 = 0.37, 14 = 0.53, 15 = 0.92, 16 = 0.73 and 17 = 0.60

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 391 lb uplift at joint 2, 437 lb uplift at joint 17, 421 lb uplift at joint 12 and 319 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884269
L250968	T20	SPECIAL	1	1	Job Reference (optional)

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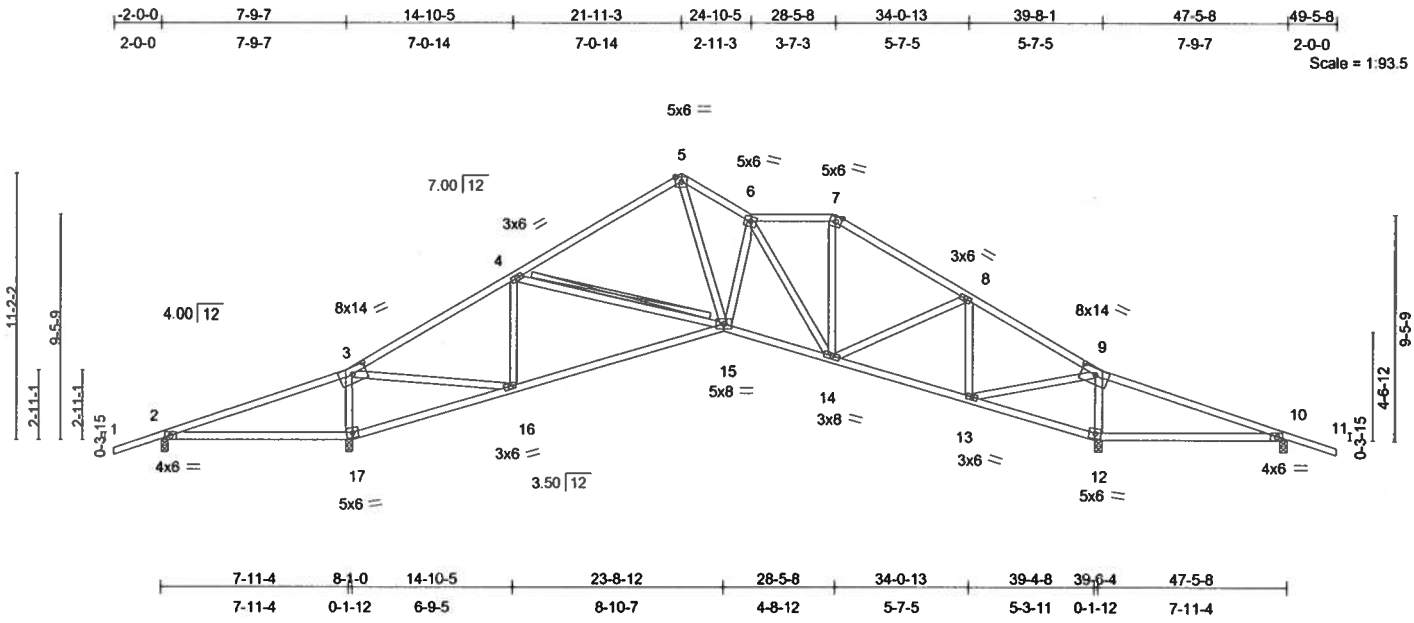

Plate Offsets (X,Y): [3:0-7-0,0-3-4], [9:0-7-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	0.22	2-17	>426	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.32	15-16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.10	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 253 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-15
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=180/0-3-8, 17=1436/0-3-8, 12=1489/0-3-8, 10=145/0-3-8
Max Horz 2=179(load case 5)
Max Uplift 2=-391(load case 4), 17=-432(load case 6), 12=-423(load case 7), 10=-330(load case 5)
Max Grav 2=238(load case 10), 17=1436(load case 1), 12=1489(load case 1), 10=191(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-134/538, 3-4=-1045/447, 4-5=-1158/473, 5-6=-1345/589, 6-7=-926/513, 7-8=-1139/521, 8-9=-802/371, 9-10=-149/654, 10-11=0/33
BOT CHORD 2-17=-442/201, 16-17=-610/294, 15-16=-137/862, 14-15=-93/1278, 13-14=-54/651, 12-13=-729/340, 10-12=-553/245
WEBS 3-17=-1179/596, 3-16=-365/1397, 4-16=-459/221, 4-15=-68/205, 5-15=-313/900, 6-15=-316/257, 6-14=-582/88, 7-14=-49/274, 8-14=-92/334, 8-13=-591/254, 9-13=-362/1328, 9-12=-1195/588

Continued on page 2

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
					J1884269
L250968	T20	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.21, 3 = 0.83, 4 = 0.40, 5 = 0.47, 6 = 0.31, 7 = 0.43, 8 = 0.40, 9 = 0.73, 10 = 0.24, 12 = 0.63, 13 = 0.68, 14 = 0.63, 15 = 0.84, 16 = 0.71 and 17 = 0.59

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 391 lb uplift at joint 2, 432 lb uplift at joint 17, 423 lb uplift at joint 12 and 330 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884270
L250968	T21	SPECIAL	1	1	Job Reference (optional)

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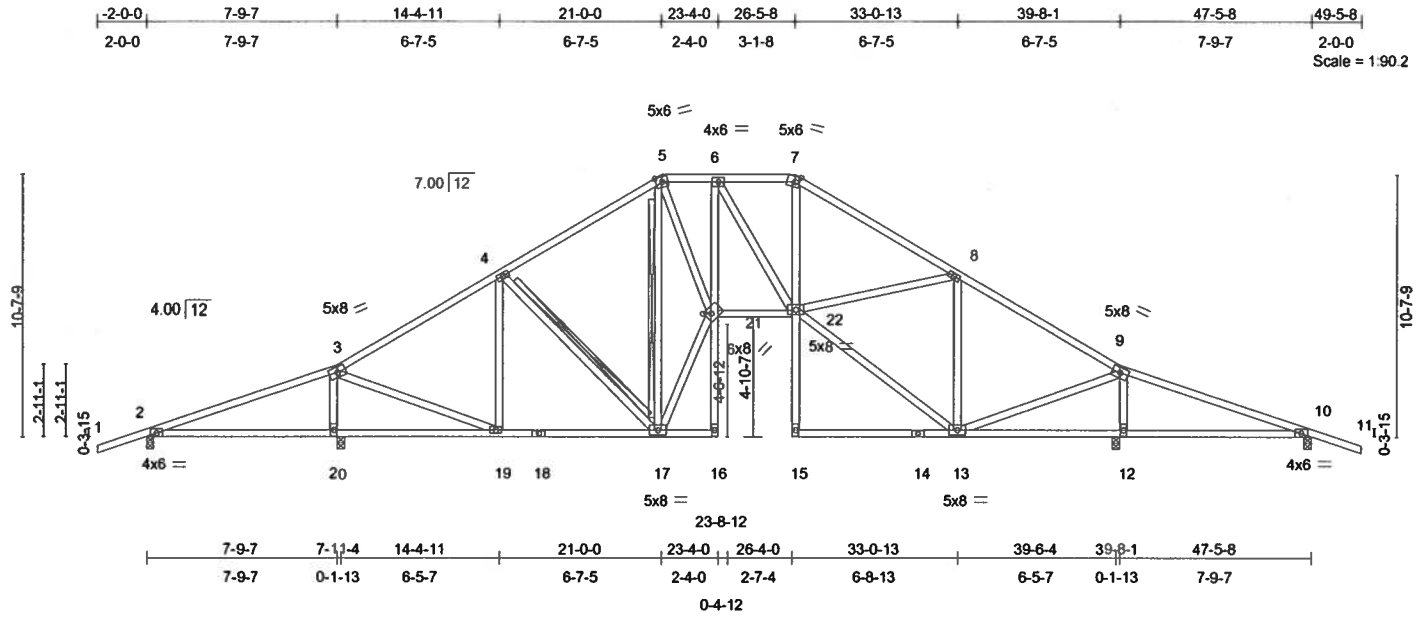

Plate Offsets (X,Y): [7:0-2-1,Edge], [21:0-2-12,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.18	2-20	>490	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.21	16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.19	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 306 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
6-16 2 X 4 SYP No.3, 7-15 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except
2-0-0 oc purlins (5-6-4 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-17, 5-17
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=155/0-3-8, 20=1447/0-3-8, 12=1492/0-3-8, 10=124/0-3-8
Max Horz 2=164(load case 5)
Max Uplift 2=-370(load case 4), 20=-422(load case 6), 12=-373(load case 7), 10=-314(load case 5)
Max Grav 2=198(load case 10), 20=1447(load case 1), 12=1492(load case 1), 10=169(load case 11)

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August 24,2007

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884270
L250968	T21	SPECIAL	1	1	Job Reference (optional)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/33, 2-3=-122/607, 3-4=-798/487, 4-5=-801/579, 5-6=-1136/603, 6-7=-1162/613, 7-8=-1441/637, 8-9=-770/483, 9-10=-109/704, 10-11=0/33

BOT CHORD 2-20=-508/189, 19-20=-433/151, 18-19=-135/607, 17-18=-135/607, 16-17=-1/13, 16-21=0/6, 6-21=-169/167, 15-22=0/93, 7-22=-87/357, 14-15=0/18, 13-14=0/18, 12-13=-521/168, 10-12=-599/206

WEBS 3-20=-1347/679, 3-19=-307/1118, 4-19=-360/189, 4-17=-92/121, 5-17=-1242/40, 17-21=-115/1431, 5-21=-81/1355, 6-22=-148/159, 13-22=-167/720, 8-22=-66/598, 8-13=-817/296, 9-13=-322/1187, 9-12=-1392/690, 21-22=-84/1149

JOINT STRESS INDEX

2 = 0.25, 3 = 0.82, 4 = 0.40, 5 = 0.63, 6 = 0.30, 7 = 0.61, 8 = 0.40, 9 = 0.83, 10 = 0.25, 12 = 0.22, 13 = 0.53, 14 = 0.15, 15 = 0.23, 16 = 0.15, 17 = 0.75, 18 = 0.23, 19 = 0.61, 20 = 0.21, 21 = 0.97 and 22 = 0.53

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 2, 422 lb uplift at joint 20, 373 lb uplift at joint 12 and 314 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884271
L250968	T22	SPECIAL	1	1	Job Reference (optional)

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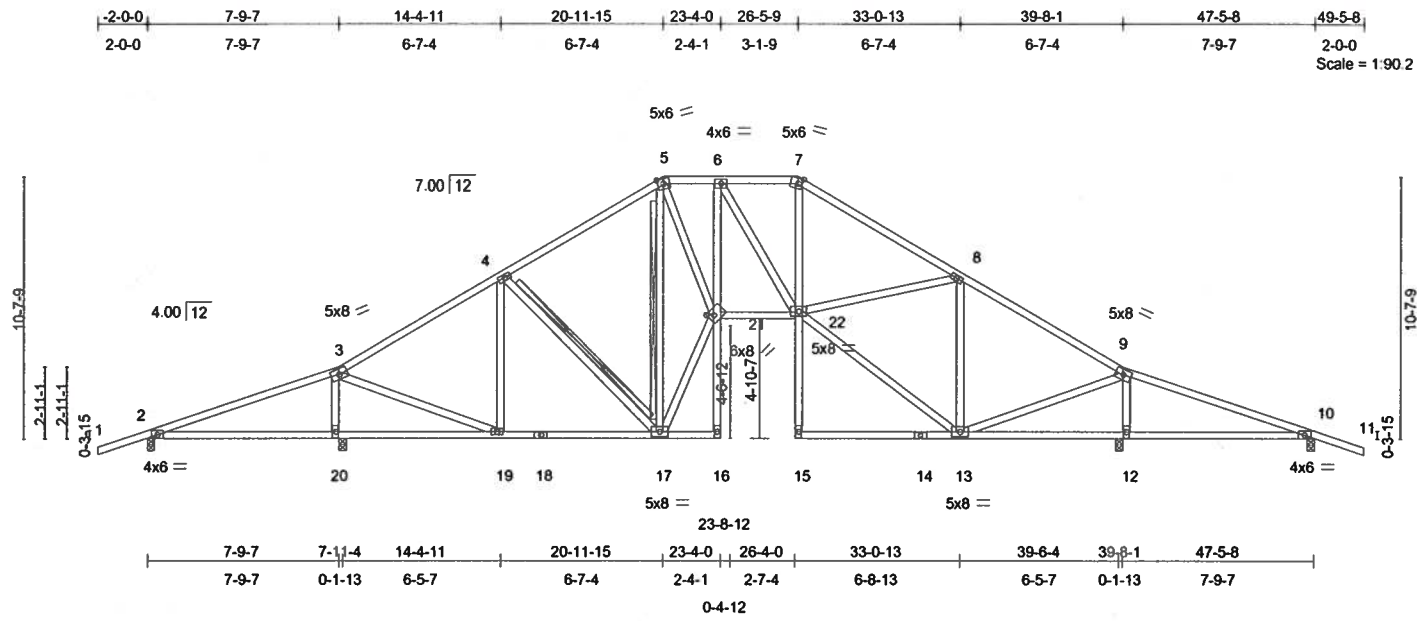

Plate Offsets (X,Y): [7:0-2-1,Edge], [21:0-2-8,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.18	2-20	>490	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.21	16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.19	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 306 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
6-16 2 X 4 SYP No.3, 7-15 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except
2-0-0 oc purlins (5-6-3 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-17, 5-17
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=156/0-3-8, 20=1447/0-3-8, 12=1491/0-3-8, 10=124/0-3-8
Max Horz 2=164(load case 5)
Max Uplift 2=-370(load case 4), 20=-422(load case 6), 12=-373(load case 7), 10=-314(load case 5)
Max Grav 2=198(load case 10), 20=1447(load case 1), 12=1491(load case 1), 10=169(load case 11)

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August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884271
L250968	T22	SPECIAL	1	1	Job Reference (optional)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/33, 2-3=-122/606, 3-4=-798/486, 4-5=-801/579, 5-6=-1137/603, 6-7=-1162/613, 7-8=-1441/637, 8-9=-770/483, 9-10=-109/703, 10-11=0/33

BOT CHORD 2-20=-507/189, 19-20=-432/151, 18-19=-135/607, 17-18=-135/607, 16-17=-1/13, 16-21=0/6, 6-21=-170/167, 15-22=0/93, 7-22=-87/357, 14-15=0/18, 13-14=0/18, 12-13=-521/168, 10-12=-599/207

WEBS 3-20=-1347/679, 3-19=-308/1118, 4-19=-360/189, 4-17=-92/121, 5-17=-1241/40, 17-21=-115/1430, 5-21=-82/1355, 6-22=-148/159, 13-22=-167/720, 8-22=-66/598, 8-13=-817/296, 9-13=-322/1186, 9-12=-1392/690, 21-22=-84/1150

JOINT STRESS INDEX

2 = 0.25, 3 = 0.82, 4 = 0.40, 5 = 0.63, 6 = 0.30, 7 = 0.61, 8 = 0.40, 9 = 0.83, 10 = 0.25, 12 = 0.22, 13 = 0.53, 14 = 0.15, 15 = 0.23, 16 = 0.15, 17 = 0.75, 18 = 0.23, 19 = 0.61, 20 = 0.21, 21 = 0.92 and 22 = 0.53

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 2, 422 lb uplift at joint 20, 373 lb uplift at joint 12 and 314 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884272
L250968	T23	SPECIAL	2	1	Job Reference (optional)

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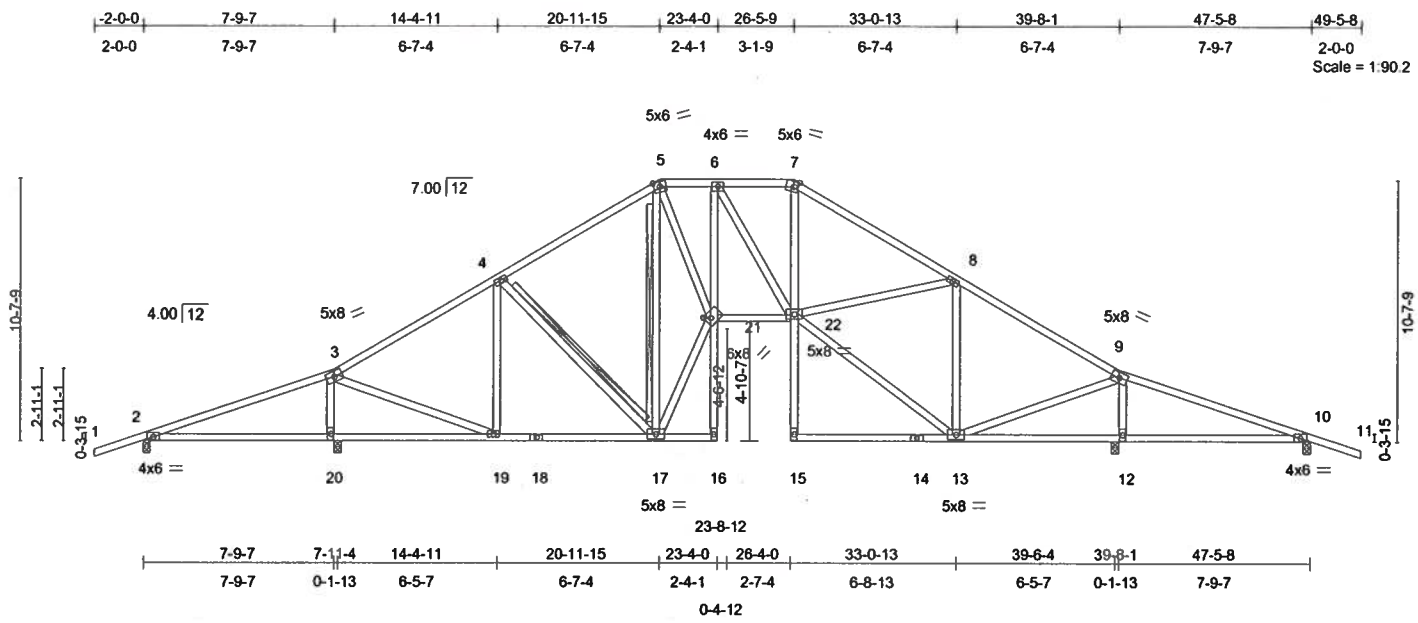

Plate Offsets (X,Y): [7:0-2-1,Edge], [21:0-2-8,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.18	2-20	>490	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.21	16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.19	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 306 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
6-16 2 X 4 SYP No.3, 7-15 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except
2-0-0 oc purlins (5-6-3 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-17, 5-17
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=156/0-3-8, 20=1447/0-3-8, 12=1491/0-3-8, 10=124/0-3-8
Max Horz 2=164(load case 5)
Max Uplift 2=-370(load case 4), 20=-422(load case 6), 12=-373(load case 7), 10=-314(load case 5)
Max Grav 2=198(load case 10), 20=1447(load case 1), 12=1491(load case 1), 10=169(load case 11)

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August 24,2007

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884272
L250968	T23	SPECIAL	2	1	Job Reference (optional)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/33, 2-3=-122/606, 3-4=-798/486, 4-5=-801/579, 5-6=-1137/603, 6-7=-1162/613, 7-8=-1441/637, 8-9=-770/483, 9-10=-109/703, 10-11=0/33

BOT CHORD 2-20=-507/189, 19-20=-432/151, 18-19=-135/607, 17-18=-135/607, 16-17=-1/13, 16-21=0/6, 6-21=-170/167, 15-22=0/93, 7-22=-87/357, 14-15=0/18, 13-14=0/18, 12-13=-521/168, 10-12=-599/207

WEBS 3-20=-1347/679, 3-19=-308/1118, 4-19=-360/189, 4-17=-92/121, 5-17=-1241/40, 17-21=-115/1430, 5-21=-82/1355, 6-22=-148/159, 13-22=-167/720, 8-22=-66/598, 8-13=-817/296, 9-13=-322/1186, 9-12=-1392/690, 21-22=-84/1150

JOINT STRESS INDEX

2 = 0.25, 3 = 0.82, 4 = 0.40, 5 = 0.63, 6 = 0.30, 7 = 0.61, 8 = 0.40, 9 = 0.83, 10 = 0.25, 12 = 0.22, 13 = 0.53, 14 = 0.15, 15 = 0.23, 16 = 0.15, 17 = 0.75, 18 = 0.23, 19 = 0.61, 20 = 0.21, 21 = 0.92 and 22 = 0.53

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 2, 422 lb uplift at joint 20, 373 lb uplift at joint 12 and 314 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884273
L250968	T25	MONO HIP	1	1	Job Reference (optional)

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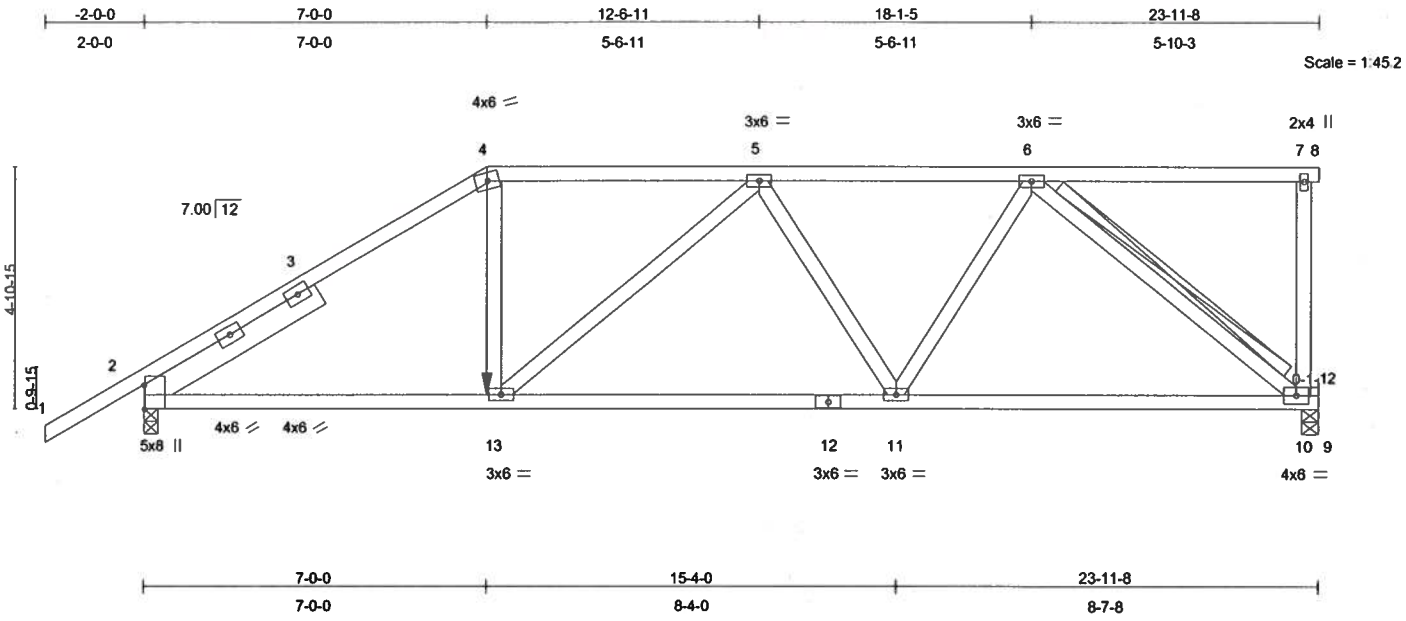

Plate Offsets (X,Y): [2:0-5-14,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.14	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.37	10-11	>766	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.69	Horz(TL)	0.08	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-1-13

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1597/0-3-8, 10=1690/0-4-0
Max Horz 2=182(load case 5)
Max Uplift 2=-627(load case 5), 10=-765(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-2392/955, 3-4=-2301/971, 4-5=-1954/862, 5-6=-2011/849, 6-7=0/0, 7-8=0/0
BOT CHORD 2-13=-853/1929, 12-13=-1019/2263, 11-12=-1019/2263, 10-11=-759/1631, 9-10=0/0
WEBS 4-13=-350/777, 5-13=-406/326, 5-11=-488/339, 6-11=-194/737, 6-10=-2121/987, 7-10=-262/177

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JOINT STRESS INDEX
2 = 0.73, 2 = 0.43, 2 = 0.43, 3 = 0.00, 4 = 0.54, 5 = 0.42, 6 = 0.62, 7 = 0.33, 10 = 0.46, 11 = 0.55, 12 = 0.80 and 13 = 0.49

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
					J1884273
L250968	T25	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 627 lb uplift at joint 2 and 765 lb uplift at joint 10.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-118(F=-64), 2-13=-10, 10-13=-22(F=-12)
   Concentrated Loads (lb)
   Vert: 13=-411(F)

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884274
L250968	T26	MONO HIP	1	1	Job Reference (optional)

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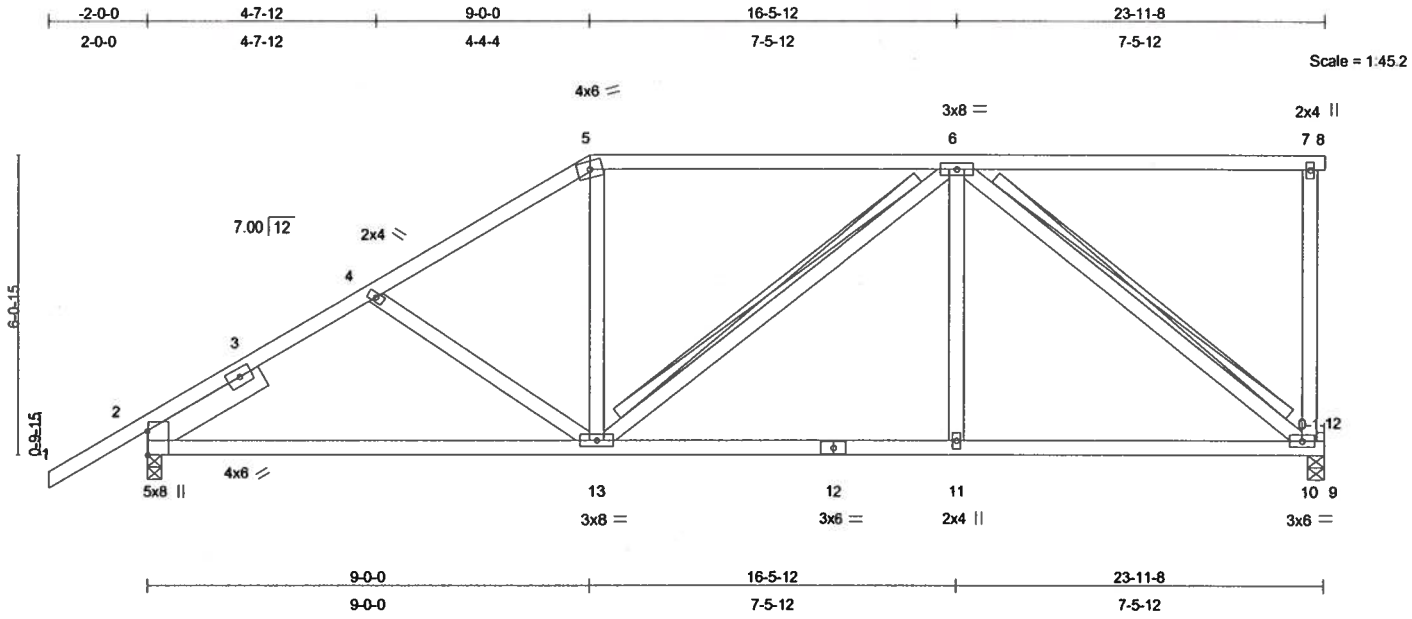

Plate Offsets (X,Y): [2:0-5-14,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.10	2-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.19	2-13	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.03	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 142 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 2-8-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-6-9 oc bracing: 2-13.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-13, 6-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=870/0-3-8, 10=760/0-4-0
Max Horz 2=219(load case 6)
Max Uplift 2=-221(load case 6), 10=-211(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1101/460, 3-4=-1025/476, 4-5=-906/439, 5-6=-760/439, 6-7=0/0, 7-8=0/0
BOT CHORD 2-13=-546/840, 12-13=-392/711, 11-12=-392/711, 10-11=-392/711, 9-10=0/0
WEBS 4-13=-99/129, 5-13=0/221, 6-13=-68/102, 6-11=0/237, 6-10=-913/504, 7-10=-155/106

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JOINT STRESS INDEX
2 = 0.62, 2 = 0.40, 3 = 0.00, 4 = 0.33, 5 = 0.66, 6 = 0.56, 7 = 0.33, 10 = 0.34, 11 = 0.33, 12 = 0.25 and 13 = 0.56

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
					J1884274
L250968	T26	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 2 and 211 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884275
L250968	T27	MONO HIP	1	1	Job Reference (optional)

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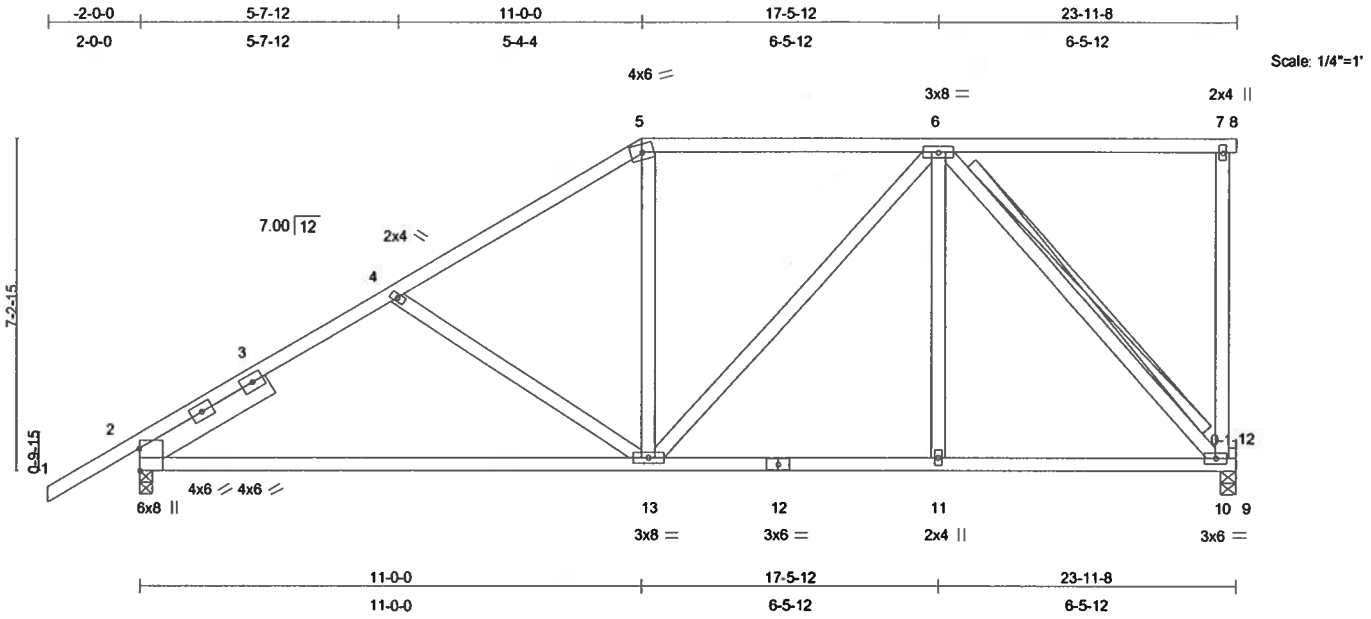

Plate Offsets (X,Y): [2:0-5-14,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.23	2-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.42	2-13	>683	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.03	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 151 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 3-3-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-3-13 oc bracing: 2-13.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=870/0-3-8, 10=760/0-4-0
Max Horz 2=256(load case 6)
Max Uplift 2=-225(load case 6), 10=-210(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1076/431, 3-4=-1006/452, 4-5=-836/382, 5-6=-666/393, 6-7=0/0, 7-8=0/0
BOT CHORD 2-13=-571/840, 12-13=-302/530, 11-12=-302/530, 10-11=-302/530, 9-10=0/0
WEBS 4-13=-211/212, 5-13=0/196, 6-13=-136/202, 6-11=0/179, 6-10=-797/454, 7-10=-135/92

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JOINT STRESS INDEX
2 = 0.65, 2 = 0.20, 2 = 0.20, 3 = 0.00, 4 = 0.33, 5 = 0.63, 6 = 0.56, 7 = 0.33, 10 = 0.37, 11 = 0.33, 12 = 0.17 and 13 = 0.56

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884275
L250968	T27	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 2 and 210 lb uplift at joint 10.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884276
L250968	T28	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Aug 24 12:48:25 2007 Page 1

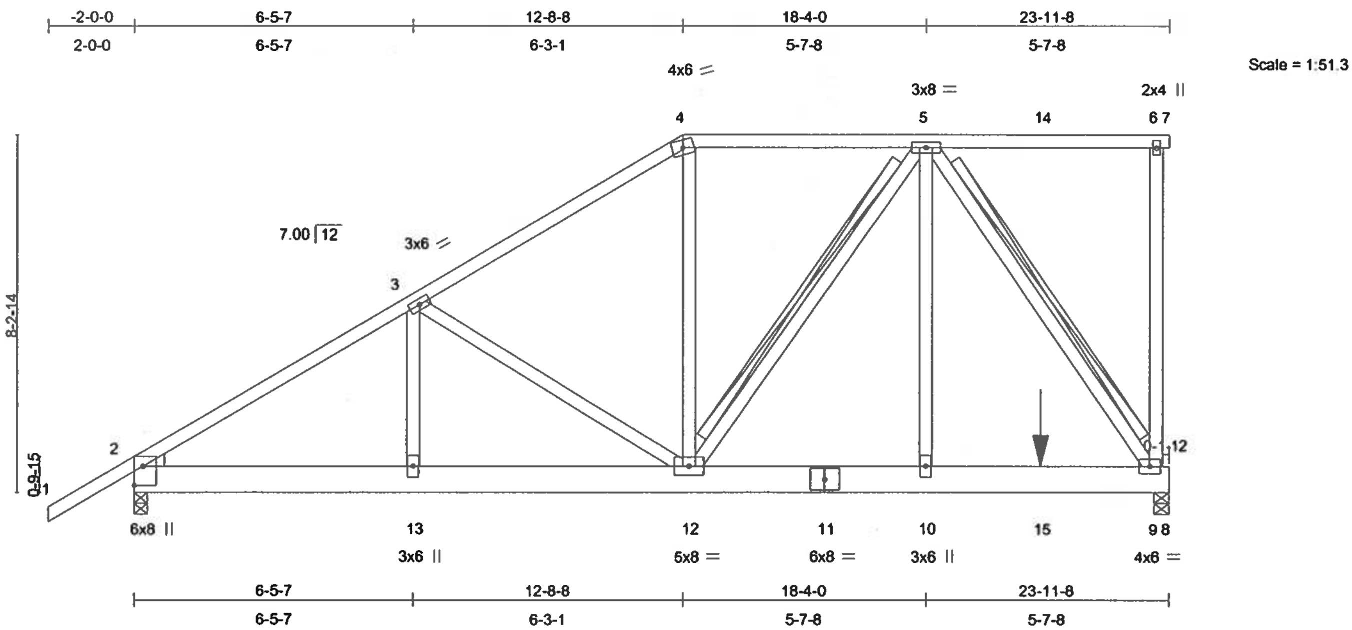

Plate Offsets (X,Y): [2:Edge,0-2-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.05	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.09	9-10	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.71	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 192 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-12, 5-9
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1012/0-3-8, 9=1988/0-4-0
Max Horz 2=291(load case 5)
Max Uplift 2=-270(load case 5), 9=-593(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/41, 2-3=-1373/233, 3-4=-1004/215, 4-5=-794/223, 5-14=0/0, 6-14=0/0, 6-7=0/0
BOT CHORD 2-13=-367/1073, 12-13=-367/1073, 11-12=-222/805, 10-11=-222/805, 10-15=-222/805, 9-15=-222/805, 8-9=0/0
WEBS 3-13=0/209, 3-12=-336/170, 4-12=-18/246, 5-12=-45/190, 5-10=-232/792, 5-9=-1426/393, 6-9=-287/122

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JOINT STRESS INDEX
2 = 0.65, 2 = 0.00, 3 = 0.42, 4 = 0.52, 5 = 0.74, 6 = 0.34, 9 = 0.37, 10 = 0.26, 11 = 0.23, 12 = 0.28 and 13 = 0.16

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884279
L250968	T31	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 2 and 545 lb uplift at joint 10.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-54, 5-14=-54, 7-14=-134(F=-80), 7-8=-80(F), 2-15=-10, 10-15=-25(F=-15), 9-10=-15(F)
   Concentrated Loads (lb)
   Vert: 15=-1098(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884280
L250968	T32	MONO HIP	1	1	Job Reference (optional)

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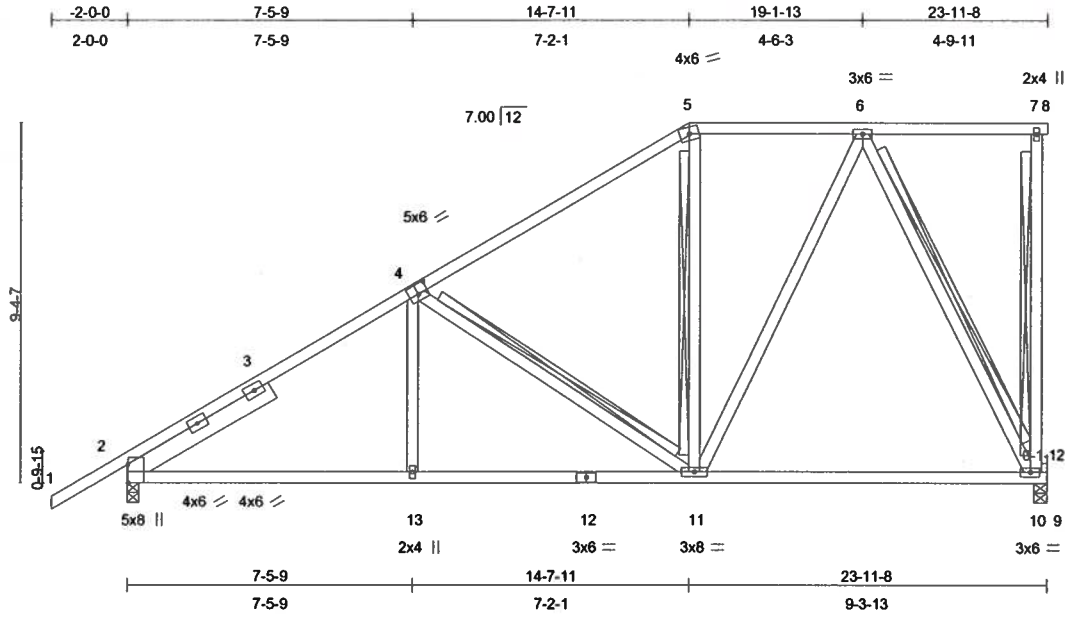

Plate Offsets (X,Y): [2:0-5-14,Edge], [4:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.18	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.33	10-11	>870	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.03	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 163 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-4-1

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-8 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-11, 5-11, 6-10, 7-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=870/0-3-8, 10=760/0-4-0
Max Horz 2=324(load case 6)
Max Uplift 2=-222(load case 6), 10=-208(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1093/335, 3-4=-894/354, 4-5=-661/264, 5-6=-486/300, 6-7=0/0, 7-8=0/0
BOT CHORD 2-13=-565/826, 12-13=-566/825, 11-12=-566/825, 10-11=-193/306, 9-10=0/0
WEBS 4-13=0/199, 4-11=-409/319, 5-11=-50/112, 6-11=-247/415, 6-10=-686/434, 7-10=-106/72

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JOINT STRESS INDEX
2 = 0.59, 2 = 0.20, 2 = 0.20, 3 = 0.00, 4 = 0.65, 5 = 0.71, 6 = 0.45, 7 = 0.33, 10 = 0.45, 11 = 0.61, 12 = 0.27 and 13 = 0.33

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884280
L250968	T32	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 222 lb uplift at joint 2 and 208 lb uplift at joint 10.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884281
L250968	T35	COMMON	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Aug 24 12:19:56 2007 Page 1

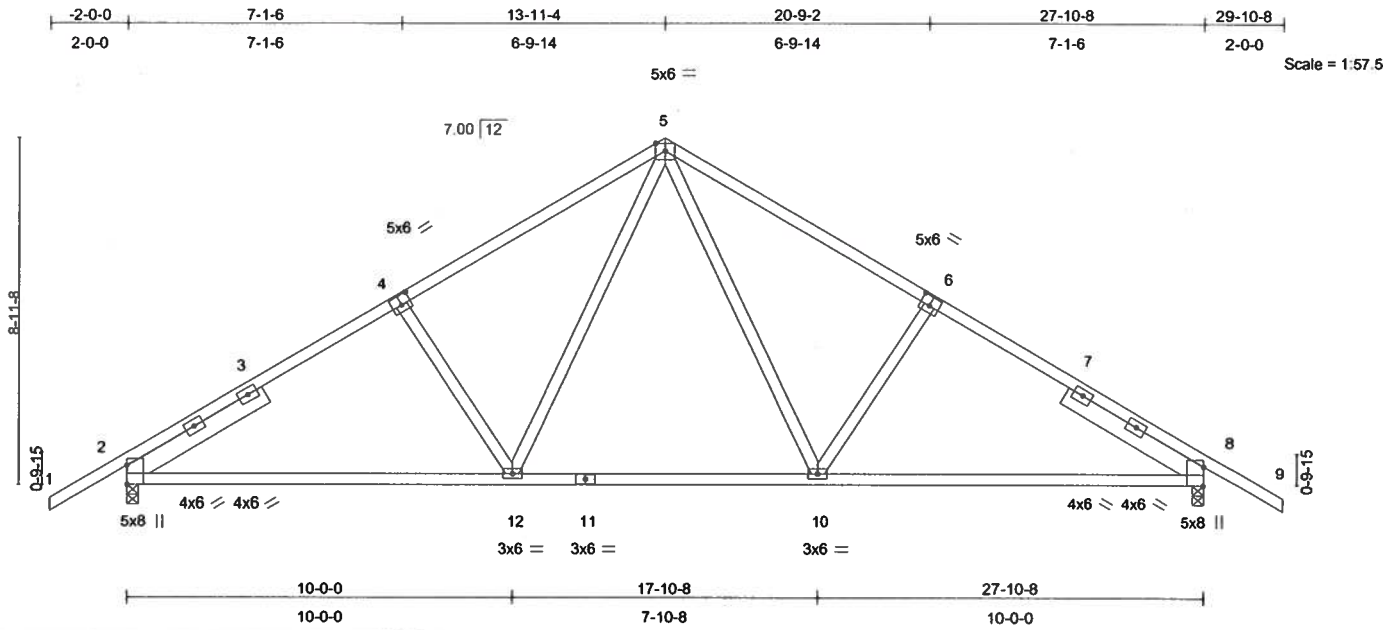

Plate Offsets (X,Y): [2:0-5-14,Edge], [4:0-3-0,0-3-0], [6:0-3-0,0-3-0], [8:0-5-14,Edge]

LOADING (psf)		SPACING 2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25	TC	0.42	Vert(LL)	0.29	10-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase 1.25	BC	0.76	Vert(TL)	-0.53	10-12	>637	240		
BCLL	10.0 *	Rep Stress Incr NO	WB	0.48	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002	(Matrix)							Weight: 159 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-1-12, Right 2 X 6 SYP No.1D 4-1-12

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-5 oc bracing.

REACTIONS (lb/size) 2=1236/0-3-8, 8=1236/0-3-8
Max Horz 2=-239(load case 4)
Max Uplift 2=-342(load case 6), 8=-342(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1771/769, 3-4=-1661/797, 4-5=-1554/816, 5-6=-1554/816, 6-7=-1661/797, 7-8=-1771/769, 8-9=0/34
BOT CHORD 2-12=-498/1389, 11-12=-242/1030, 10-11=-242/1030, 8-10=-498/1389
WEBS 4-12=-251/244, 5-12=-300/614, 5-10=-300/614, 6-10=-251/244

JOINT STRESS INDEX
2 = 0.71, 2 = 0.33, 2 = 0.33, 3 = 0.00, 4 = 0.47, 5 = 0.65, 6 = 0.47, 7 = 0.00, 8 = 0.71, 8 = 0.33, 8 = 0.33, 10 = 0.53, 11 = 0.67 and 12 = 0.53

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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NOTES

4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 342 lb uplift at joint 2 and 342 lb uplift at joint 8.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-54, 5-9=-54, 2-12=-10, 10-12=-70(F=-60), 8-10=-10

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884282
L250968	T35A	COMMON	3	1	Job Reference (optional)

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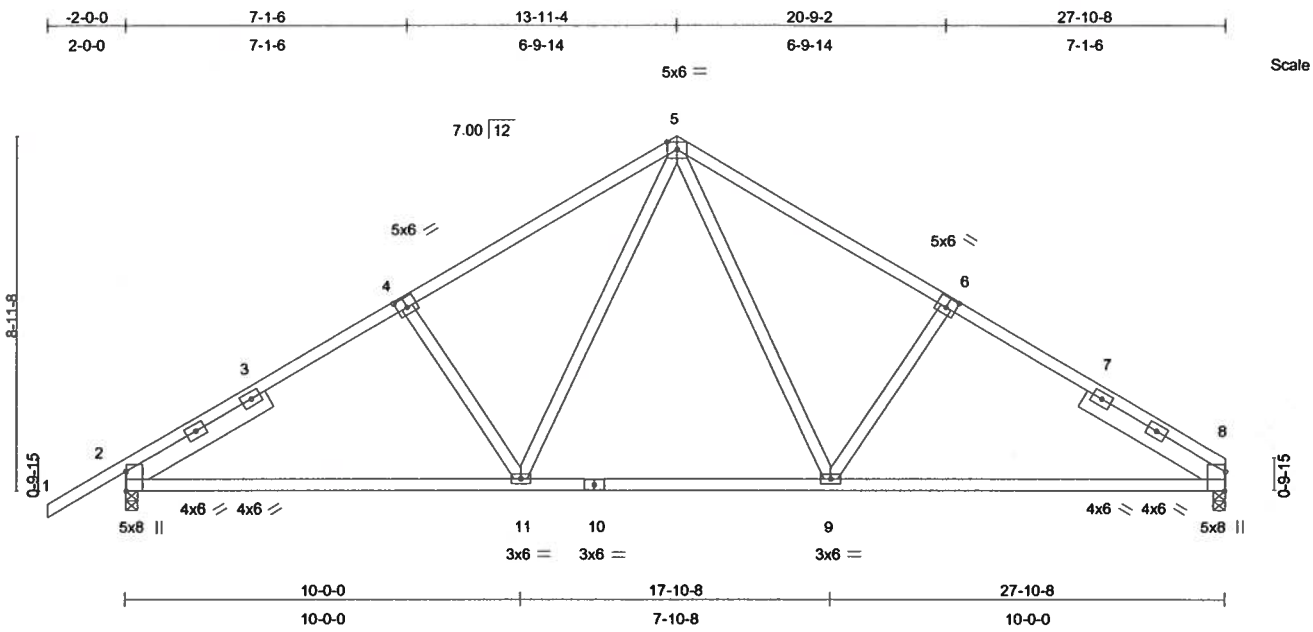

Plate Offsets (X,Y): [2:0-5-14,Edge], [2:0-0-0,0-0-0], [2:0-0-0,0-0-0], [4:0-3-0,0-3-0], [6:0-3-0,0-3-0], [8:0-5-14,Edge], [8:0-0-0,0-0-0], [8:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.29	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.52	9-11	>642	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.51	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 156 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-1-12, Right 2 X 6 SYP No.1D 4-1-12

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-2-0 oc bracing.

REACTIONS (lb/size) 2=1240/0-3-8, 8=1124/0-3-8
Max Horz 2=252(load case 5)
Max Uplift 2=-343(load case 6), 8=-255(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1778/778, 3-4=-1668/806, 4-5=-1561/825, 5-6=-1570/836, 6-7=-1678/817, 7-8=-1764/796
BOT CHORD 2-11=-548/1395, 10-11=-293/1036, 9-10=-293/1036, 8-9=-566/1410
WEBS 4-11=-251/244, 5-11=-299/614, 5-9=-319/630, 6-9=-265/261

JOINT STRESS INDEX
2 = 0.71, 2 = 0.33, 2 = 0.33, 3 = 0.00, 4 = 0.52, 5 = 0.64, 6 = 0.52, 7 = 0.00, 8 = 0.71, 8 = 0.33, 8 = 0.33, 9 = 0.54, 10 = 0.68 and 11 = 0.54

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884282
L250968	T35A	COMMON	3	1	Job Reference (optional)

NOTES

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 343 lb uplift at joint 2 and 255 lb uplift at joint 8.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-54, 5-8=-54, 2-11=-10, 9-11=-70(F=-60), 8-9=-10

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884283
L250968	T35G	GABLE	1	1	Job Reference (optional)

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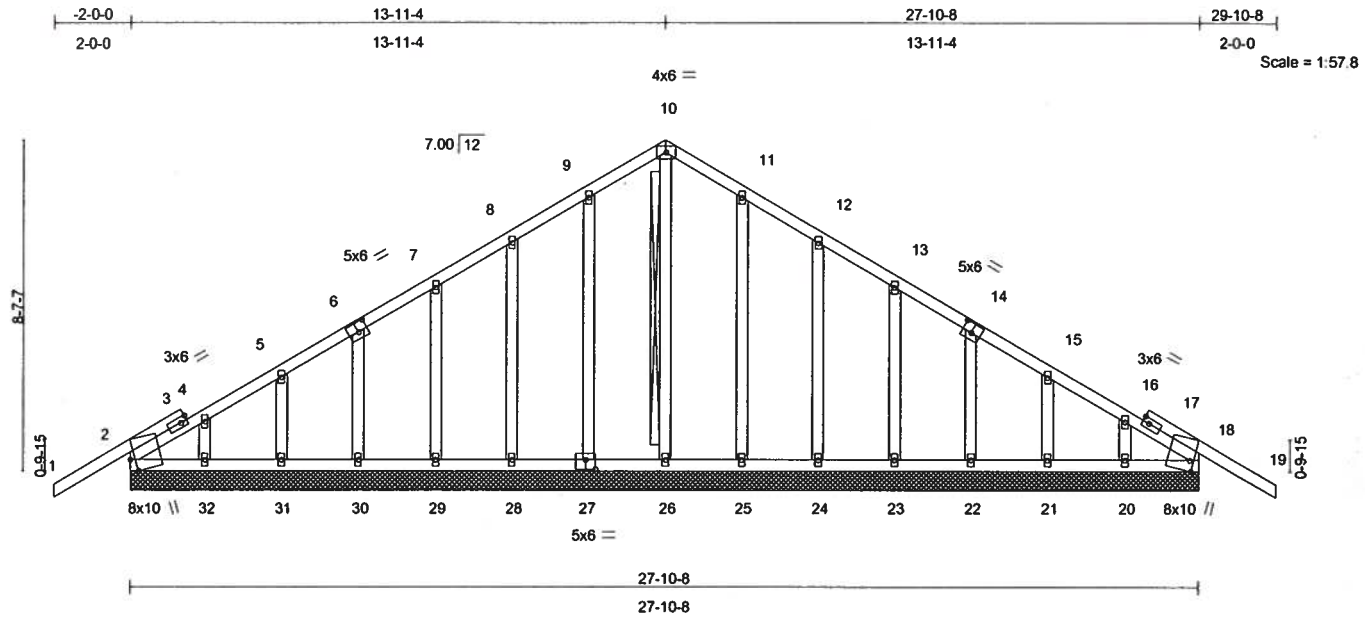

Plate Offsets (X,Y): [2:0-4-1,Edge], [6:0-3-0,0-3-0], [14:0-3-0,0-3-0], [18:0-3-5,Edge], [27:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.04	19	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.07	19	n/r	90		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.01	18	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 185 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 10-26
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=480/27-10-8, 18=482/27-10-8, 26=218/27-10-8, 27=248/27-10-8, 28=246/27-10-8, 29=256/27-10-8, 30=240/27-10-8, 31=265/27-10-8, 32=111/27-10-8, 25=247/27-10-8, 24=247/27-10-8, 23=255/27-10-8, 22=240/27-10-8, 21=265/27-10-8, 20=111/27-10-8
Max Horz 2=292(load case 5)
Max Uplift 2=-168(load case 4), 18=-199(load case 7), 26=-3(load case 5), 27=-116(load case 6), 28=-132(load case 6), 29=-131(load case 6), 30=-123(load case 6), 31=-139(load case 6), 32=-68(load case 5), 25=-112(load case 7), 24=-133(load case 7), 23=-131(load case 7), 22=-123(load case 7), 21=-139(load case 7), 20=-57(load case 4)
Max Grav 2=480(load case 1), 18=482(load case 1), 26=218(load case 1), 27=253(load case 10), 28=246(load case 1), 29=256(load case 10), 30=240(load case 10), 31=265(load case 1), 32=112(load case 10), 25=251(load case 11), 24=247(load case 1), 23=255(load case 11), 22=240(load case 11), 21=265(load case 1), 20=112(load case 11)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884283
L250968	T35G	GABLE	1	1	Job Reference (optional)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-12/71, 2-3=-240/200, 3-4=-241/196, 4-5=-201/174, 5-6=-160/170, 6-7=-120/165, 7-8=-87/172, 8-9=-87/218, 9-10=-89/257, 10-11=-89/257, 11-12=-89/207, 12-13=-90/145, 13-14=-91/86, 14-15=-93/54, 15-16=-89/58, 16-17=-120/75, 17-18=-150/79, 18-19=-12/71

BOT CHORD 2-32=-47/185, 31-32=-47/185, 30-31=-47/185, 29-30=-45/187, 28-29=-45/187, 27-28=-45/187, 26-27=-46/186, 25-26=-46/186, 24-25=-46/186, 23-24=-46/186, 22-23=-46/186, 21-22=-45/183, 20-21=-45/183, 18-20=-45/183

WEBS 10-26=-197/16, 9-27=-232/137, 8-28=-227/160, 7-29=-235/158, 6-30=-222/151, 5-31=-236/161, 4-32=-126/85, 11-25=-231/137, 12-24=-227/160, 13-23=-235/158, 14-22=-222/151, 15-21=-237/161, 16-20=-126/81

JOINT STRESS INDEX

2 = 0.53, 3 = 0.00, 3 = 0.00, 3 = 0.26, 4 = 0.33, 5 = 0.33, 6 = 0.18, 7 = 0.33, 8 = 0.33, 9 = 0.33, 10 = 0.26, 11 = 0.33, 12 = 0.33 , 13 = 0.33, 14 = 0.18, 15 = 0.33, 16 = 0.33, 17 = 0.00, 17 = 0.26, 17 = 0.00, 18 = 0.53, 20 = 0.33, 21 = 0.33, 22 = 0.33, 23 = 0.33, 24 = 0.33, 25 = 0.33, 26 = 0.33, 27 = 0.20, 28 = 0.33, 29 = 0.33, 30 = 0.33, 31 = 0.33 and 32 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 2, 199 lb uplift at joint 18, 3 lb uplift at joint 26, 116 lb uplift at joint 27, 132 lb uplift at joint 28, 131 lb uplift at joint 29, 123 lb uplift at joint 30, 139 lb uplift at joint 31, 68 lb uplift at joint 32, 112 lb uplift at joint 25, 133 lb uplift at joint 24, 131 lb uplift at joint 23, 123 lb uplift at joint 22, 139 lb uplift at joint 21 and 57 lb uplift at joint 20.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-10=-114(F=-60), 10-19=-114(F=-60), 2-18=-10

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884284
L250968	T36	COMMON	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Aug 24 12:20:16 2007 Page 1

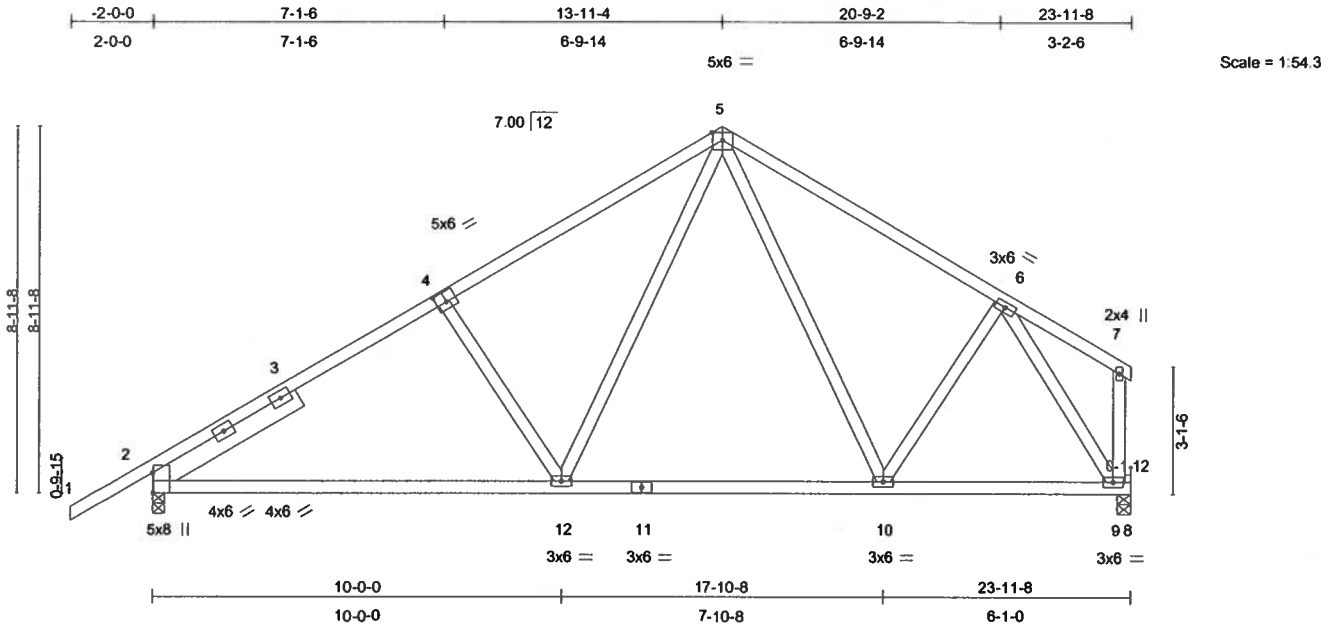

Plate Offsets (X,Y): [2:0-5-14,Edge], [4:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.24	10-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.45	10-12	>634	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.61	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 145 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-1-12

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-4-3 oc bracing: 2-12.

REACTIONS (lb/size) 2=1064/0-3-8, 9=1031/0-4-0
Max Horz 2=248(load case 5)
Max Uplift 2=-305(load case 6), 9=-225(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1461/618, 3-4=-1351/646, 4-5=-1244/668, 5-6=-1003/551, 6-7=-8/70
BOT CHORD 2-12=-544/1130, 11-12=-281/751, 10-11=-281/751, 9-10=-296/625, 8-9=0/0
WEBS 4-12=-269/255, 5-12=-307/631, 5-10=-122/198, 6-10=-92/360, 6-9=-1198/566, 7-9=-25/21

JOINT STRESS INDEX
2 = 0.64, 2 = 0.27, 2 = 0.27, 3 = 0.00, 4 = 0.49, 5 = 0.63, 6 = 0.36, 7 = 0.34, 9 = 0.47, 10 = 0.47, 11 = 0.62 and 12 = 0.54

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 2 and 225 lb uplift at joint 9.

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August 24,2007

Continued on page 2

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T36	COMMON	6	1	J1884284
					Job Reference (optional)

NOTES

6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-7=-54, 2-12=-10, 10-12=-70(F=-60), 9-10=-10

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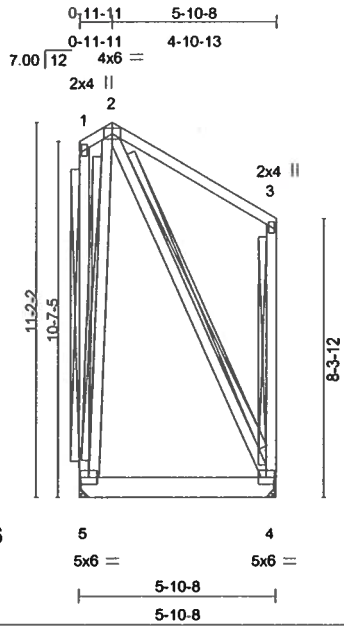
August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884285
L250968	T38	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Aug 24 12:20:53 2007 Page 1



Scale = 1:66.3

Simpson HTU26

Simpson HTU26

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.04	4-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.09	4-5	>781	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.12	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 86 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 1-5, 2-5 , 3-4, 2-4
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=1098/Mechanical, 4=1098/Mechanical
Max Horz 5=-79(load case 6)
Max Uplift 5=-439(load case 6), 4=-243(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-13/13, 2-3=-78/78, 1-5=-33/17, 3-4=-193/100
BOT CHORD 4-5=-14/64
WEBS 2-5=-193/198, 2-4=-158/34

JOINT STRESS INDEX
1 = 0.01, 2 = 0.15, 3 = 0.09, 4 = 0.04 and 5 = 0.06

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

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August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T38	COMMON	1	1	J1884285
					Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 439 lb uplift at joint 5 and 243 lb uplift at joint 4.
6) Girder carries tie-in span(s): 19-6-0 from 0-0-0 to 5-10-8
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-81(F=-27), 2-3=-81(F=-27), 4-5=-312(F=-302)

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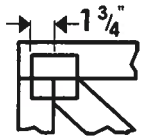
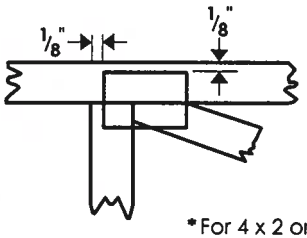
August 24,2007

Symbols

PLATE LOCATION AND ORIENTATION



*Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



*For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.

*This symbol indicates the required direction of slots in connector plates.

PLATE SIZE

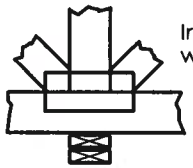
4 X 4

The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING

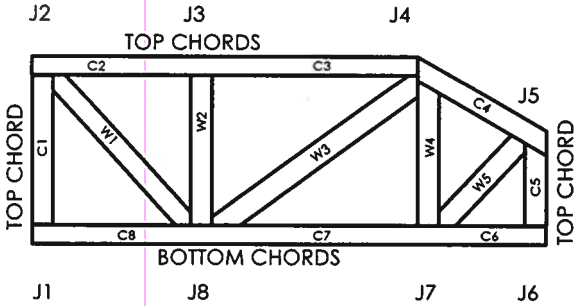
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561

MiTek®

TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

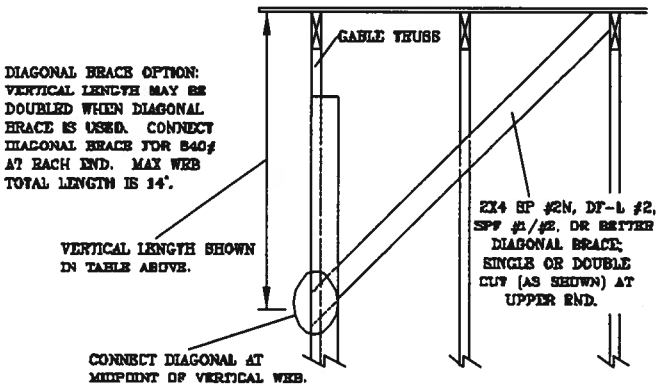
Failure to Follow Could Cause Property Damage or Personal Injury

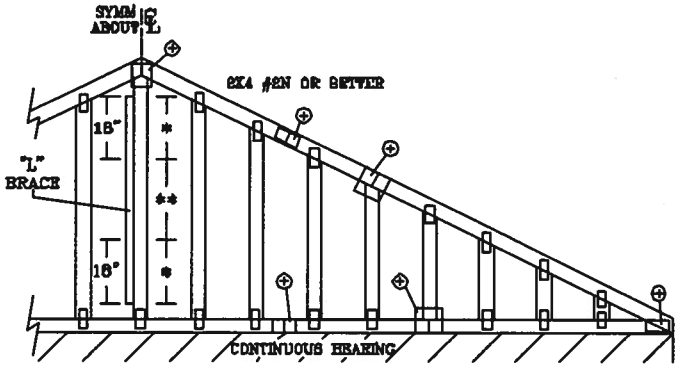
1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

ASCE 7-02: 130 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 *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"
		#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
		STUD	3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
		STANDARD	3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	8' 8"	8' 8"	11' 8"	11' 8"
	SP DFL	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#2	3' 7"	6' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#3	3' 6"	5' 0"	5' 0"	6' 8"	6' 8"	8' 3"	8' 8"	10' 4"	10' 4"	12' 11"	13' 7"
		STUD	3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"
		STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
16" 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' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	5' 9"	5' 2"	6' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	8' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	8' 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' 2"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	8' 1"	8' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	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"
12" O.C.	SPF HF	#1 / #2	4' 5"	7' 4"	7' 7"	8' 9"	8' 11"	10' 5"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STUD	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STANDARD	4' 2"	6' 11"	6' 11"	7' 10"	7' 10"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP DFL	#1	4' 5"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 9"	9' 2"	10' 5"	10' 11"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 3"	8' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	12' 6"	14' 0"	14' 0"





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#2
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTINUOUS BEARING (6 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' 8"	2X4
GREATER THAN 11' 8"	2.5X4

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-GAB13015
DATE 11/26/03
DRWG MITEK STD GABLE 15 E HT
-ENG

ASCE 7-02: 130 MPH WIND SPEED, 30' 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 *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 2"	5' 6"	5' 5"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
		#3	3' 1"	4' 5"	4' 5"	6' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STUD	3' 1"	4' 6"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STANDARD	2' 11"	3' 9"	3' 9"	6' 0"	5' 0"	6' 9"	6' 9"	7' 10"	7' 10"	10' 7"	10' 7"
	SP DFL	#1	3' 6"	5' 8"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#2	3' 5"	5' 6"	5' 11"	6' 5"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#3	3' 3"	4' 6"	4' 8"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 5"
		STUD	3' 3"	4' 6"	4' 8"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 5"
		STANDARD	3' 0"	3' 10"	3' 10"	5' 1"	5' 1"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
16" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 6"	4' 8"	6' 2"	6' 2"	8' 3"	8' 3"	9' 7"	9' 7"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 8"	8' 1"	8' 11"	8' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 8"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 6"	11' 6"	11' 6"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 8"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"
12" O.C.	SPF HF	#1 / #2	4' 0"	6' 11"	7' 2"	8' 3"	8' 6"	9' 10"	10' 1"	12' 11"	13' 4"	14' 0"	14' 0"
		#3	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 11"	12' 11"	14' 0"	14' 0"
		STUD	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 10"	12' 10"	14' 0"	14' 0"
		STANDARD	3' 11"	5' 4"	5' 4"	7' 1"	7' 1"	9' 6"	9' 6"	11' 1"	11' 1"	14' 0"	14' 0"
	SP DFL	#1	4' 5"	6' 11"	7' 8"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#2	4' 4"	6' 11"	7' 8"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#3	4' 2"	6' 5"	6' 5"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"
		STUD	4' 2"	6' 4"	6' 4"	8' 3"	8' 5"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 8"	5' 8"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

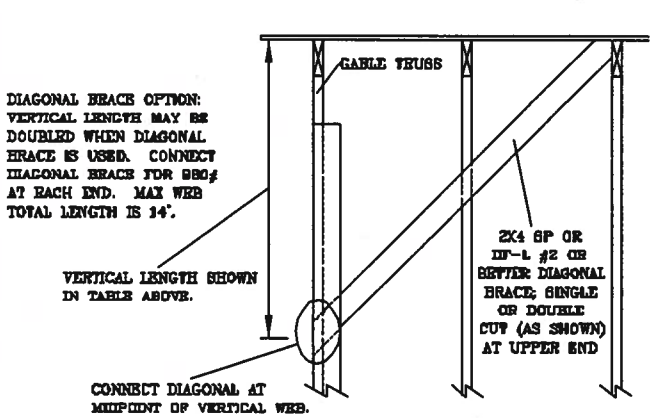
SOUTHERN PINE
#3
STUD
STANDARD

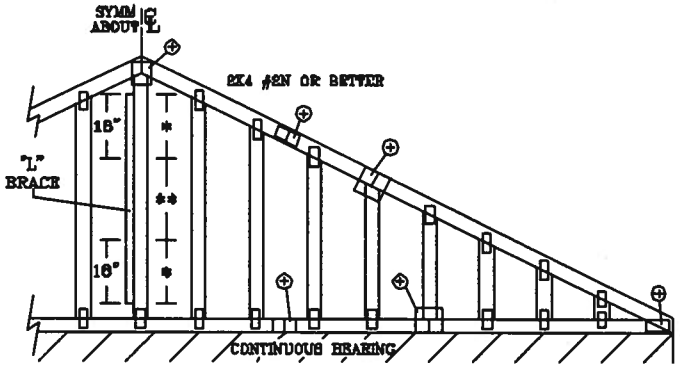
GROUP B:

HEM-FIR
#1 & BTR
#2

SOUTHERN PINE
#2
#2

DOUGLAS FIR-LARCH
#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 180 PLF OVER CONTINUOUS BEARING (6 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' 8"	2X4
GREATER THAN 11' 8"	2.5X4

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) 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.

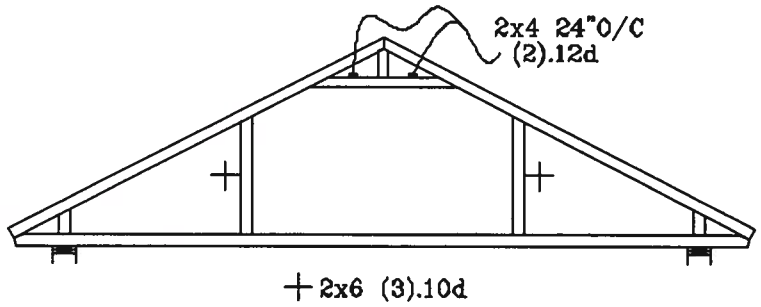
JULIUS LEE'S
CONS. ENGINEERS P.A.
1466 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

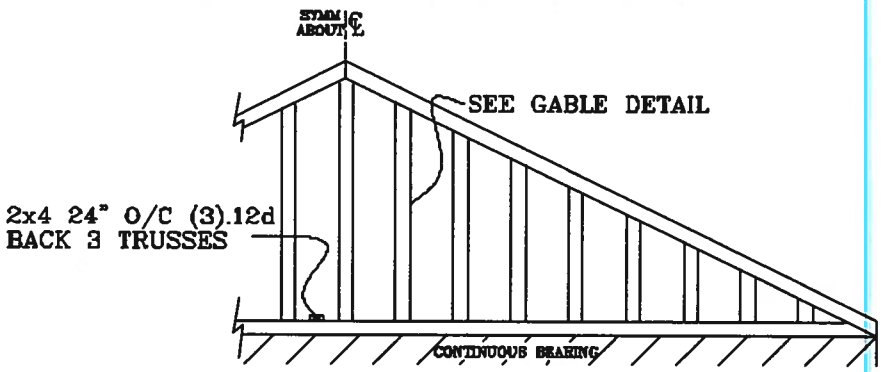
MAX. SPACING 24.0"

REF ASCE7-02-GAB13090
DATE 11/26/09
DWG MTEK STD GABLE 30' E W7
-ENG

TYPICAL ATTIC TRUSS BRACING

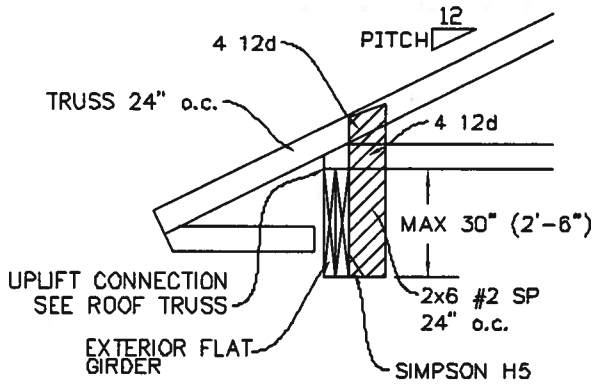


GABLE END TRUSS DETAIL

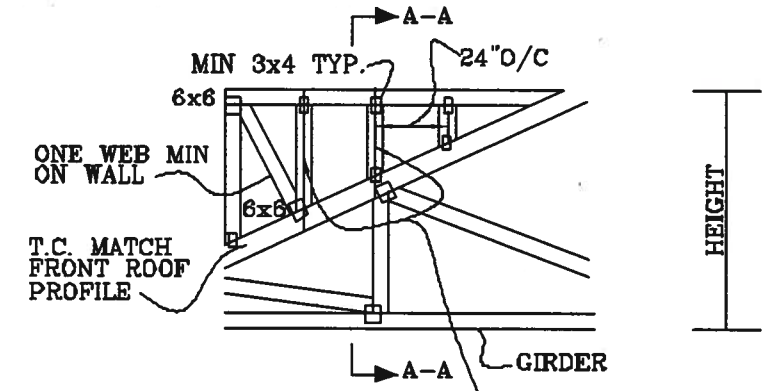


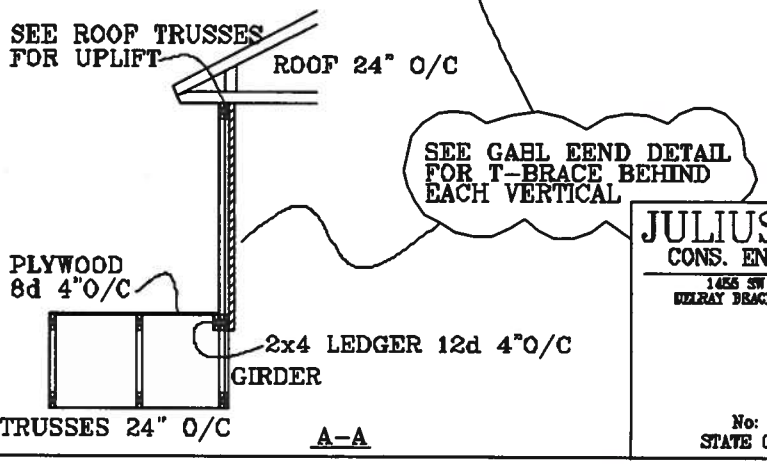
MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL





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DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

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:

110 MPH WIND, 30' MEAN HGT, ASCE 7-93, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

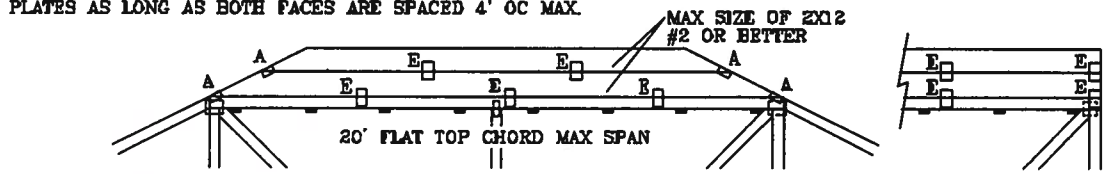
110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

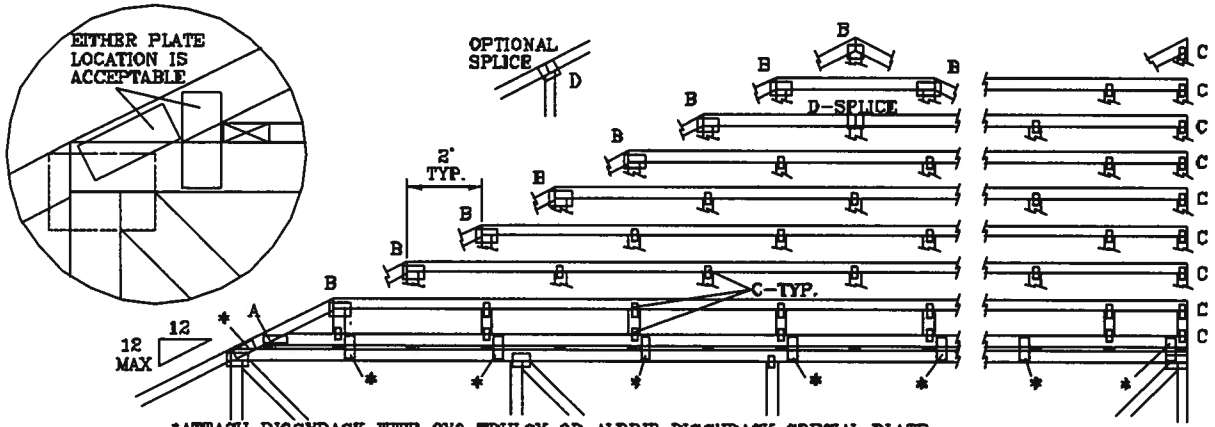
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X8	5X8
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X8 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (6) 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.



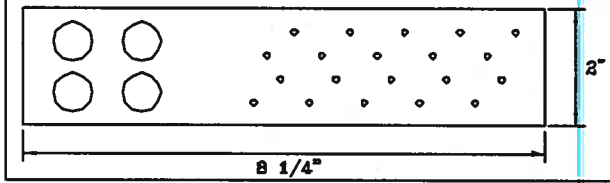


*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'8"	NO BRACING
7'8" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d 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 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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 537190 AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 537190 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA

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 11/26/08
DRWG MITEK STD PIGGY
-ENG JL

VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR SBC 110 MPH, ASCE 7-93 110 MPH WIND OR (3) 16d FOR ASCE 7-98 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.

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

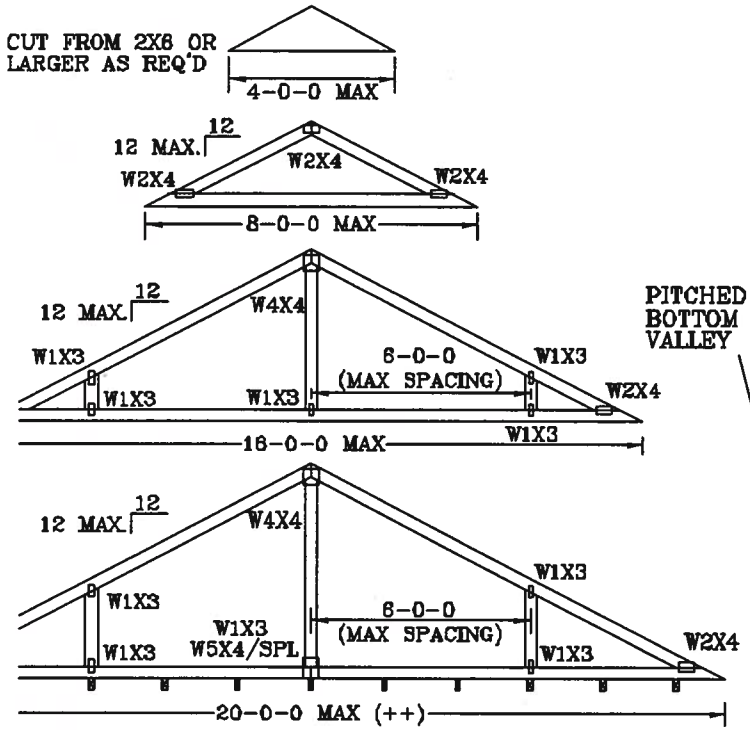
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

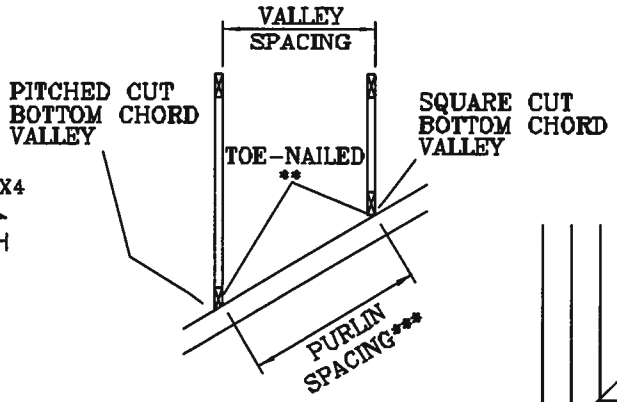
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

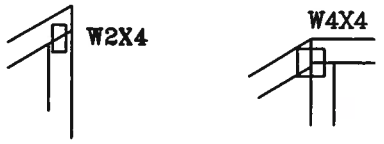
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

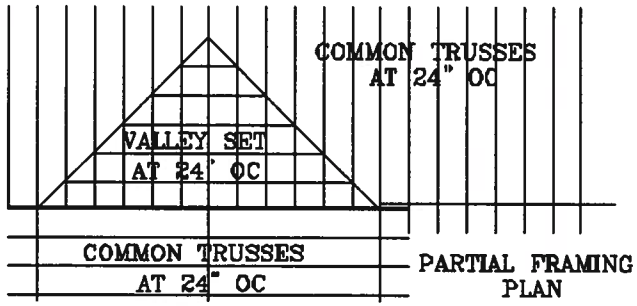
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2101

No: 34869
STATE OF FLORIDA

TC LL	20	20	PSF	REF VALLEY DETAIL
TC DL	7	15	PSF	DATE 11/26/03
BC DL	5	5	PSF	DRWG VALTRUSS1103
BC LL	0	0	PSF	-ENG JL
TOT. LD.	32	40	PSF	
DURFAC.	1.25	1.25		
SPACING		24"		

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884276
L250968	T28	MONO HIP	1	1	Job Reference (optional)

NOTES

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 270 lb uplift at joint 2 and 593 lb uplift at joint 9.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-14=-54, 6-14=-134(F=-80), 6-7=-80(F), 2-15=-10, 9-15=-25(F=-15), 8-9=-15(F)
   Concentrated Loads (lb)
   Vert: 15=-1098(F)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884277
L250968	T29	MONO HIP	1	1	Job Reference (optional)

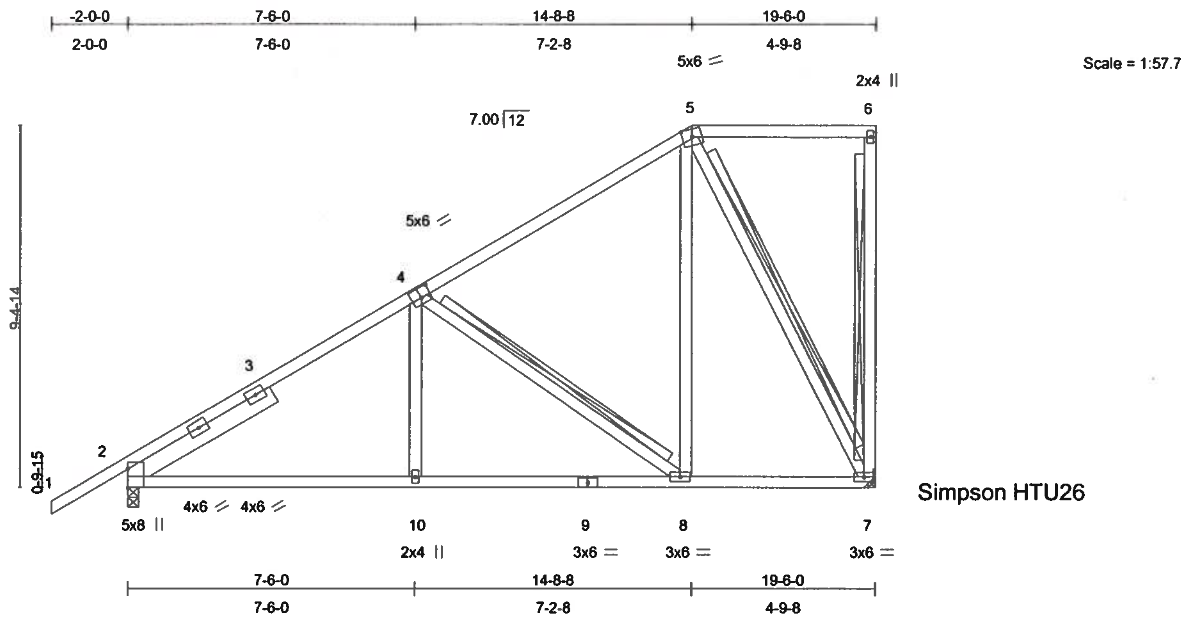


Plate Offsets (X,Y): [2:0-5-14,Edge], [4:0-3-0,0-3-0]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.04	2-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.09	2-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-4-5

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-4-1 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-7, 4-8, 5-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=614/Mechanical, 2=733/0-3-8
Max Horz 2=325(load case 6)
Max Uplift 7=-187(load case 6), 2=-185(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-849/185, 3-4=-649/203, 4-5=-407/116, 5-6=-4/3, 6-7=-87/73
BOT CHORD 2-10=-440/620, 9-10=-440/619, 8-9=-440/619, 7-8=-172/262
WEBS 4-10=0/225, 4-8=-431/325, 5-8=-143/363, 5-7=-567/376

JOINT STRESS INDEX
2 = 0.59, 2 = 0.16, 2 = 0.16, 3 = 0.00, 4 = 0.66, 5 = 0.59, 6 = 0.33, 7 = 0.45, 8 = 0.34, 9 = 0.27 and 10 = 0.33

August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T29	MONO HIP	1	1	J1884277
					Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 7 and 185 lb uplift at joint 2.

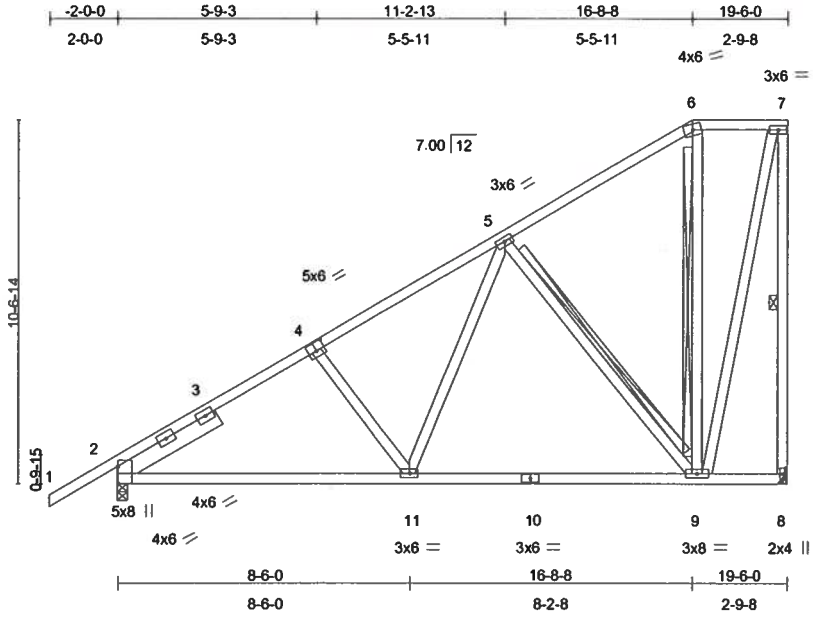
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33436

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK J1884278
L250968	T30	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Aug 24 09:39:52 2007 Page 1



Scale = 1:64.7

Simpson HTU26

Plate Offsets (X,Y): [2:0-5-14,Edge], [4:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.08	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.15	9-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 149 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 3-4-6

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-2 oc bracing.
WEBS 1 Row at midpt 7-8
T-Brace: 2 X 4 SYP No.3 - 5-9, 6-9
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=614/Mechanical, 2=733/0-3-8
Max Horz 2=363(load case 6)
Max Uplift 8=-225(load case 6), 2=-171(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-868/158, 3-4=-714/180, 4-5=-676/180, 5-6=-246/44, 6-7=-141/92, 7-8=-611/392
BOT CHORD 2-11=-491/648, 10-11=-307/425, 9-10=-307/425, 8-9=-2/2
WEBS 4-11=-209/225, 5-11=-141/331, 5-9=-454/342, 6-9=-155/155, 7-9=-383/588

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.59, 2 = 0.16, 2 = 0.16, 3 = 0.00, 4 = 0.33, 5 = 0.41, 6 = 0.39, 7 = 0.41, 8 = 0.33, 9 = 0.66, 10 = 0.33 and 11 = 0.47

August 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
					J1884278
L250968	T30	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 8 and 171 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

August 24,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK
L250968	T31	MONO HIP	1	1	J1884279 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Aug 24 12:49:25 2007 Page 1

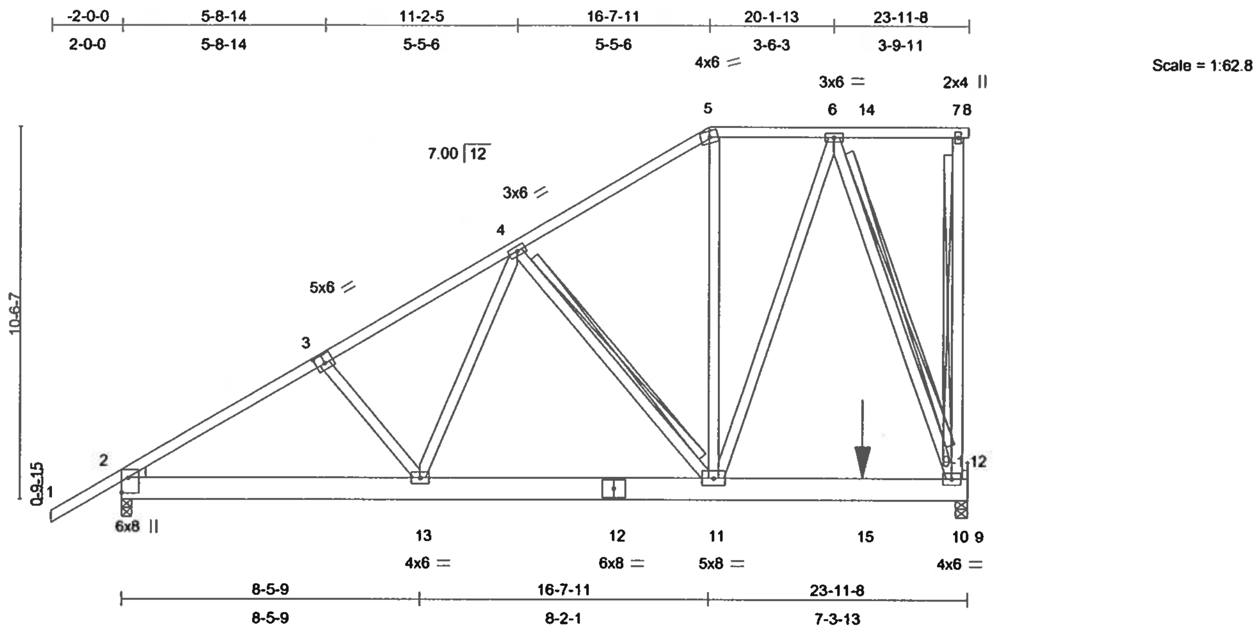


Plate Offsets (X,Y): [2:Edge,0-2-5], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.08	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.15	10-11	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 206 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-11, 6-10, 7-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1012/0-3-8, 10=1988/0-4-0
Max Horz 2=365(load case 5)
Max Uplift 2=-260(load case 5), 10=-545(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/41, 2-3=-1331/218, 3-4=-1148/226, 4-5=-839/193, 5-6=-658/205, 6-14=0/0, 7-14=0/0, 7-8=0/0
BOT CHORD 2-13=-434/1041, 12-13=-328/879, 11-12=-328/879, 11-15=-114/388, 10-15=-114/388, 9-10=0/0
WEBS 3-13=-186/155, 4-13=-34/230, 4-11=-355/195, 5-11=-38/217, 6-11=-285/853, 6-10=-1179/348, 7-10=-221/90

Julius Lee
Truss Design Engineer
Florida PE No. [illegible]
[illegible] Coastal Bay Blvd
Boynton Beach, FL [illegible]

JOINT STRESS INDEX
2 = 0.65, 2 = 0.00, 3 = 0.31, 4 = 0.42, 5 = 0.33, 6 = 0.80, 7 = 0.34, 10 = 0.38, 11 = 0.50, 12 = 0.28 and 13 = 0.33

August 24,2007

Continued on page 2

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-1997 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

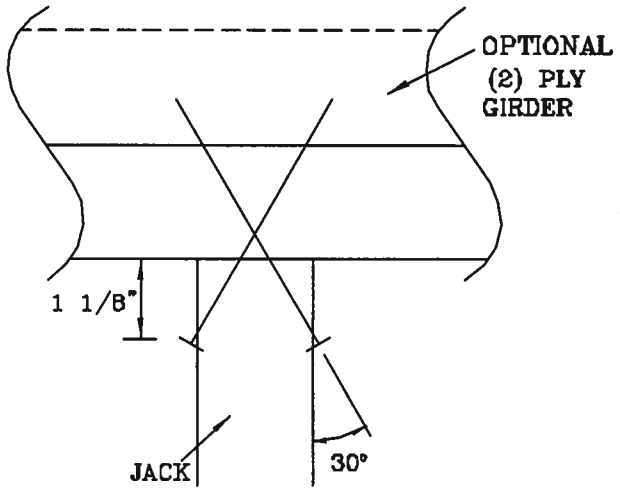
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

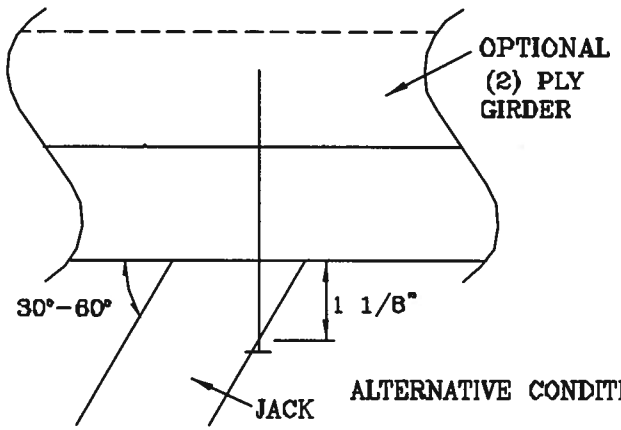
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM LATERAL RESISTANCE OF 16d (0.162"X3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES
2	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.





ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1450 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

TC LL	PSF	REF	TOE-NAIL
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNTONAIL1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			

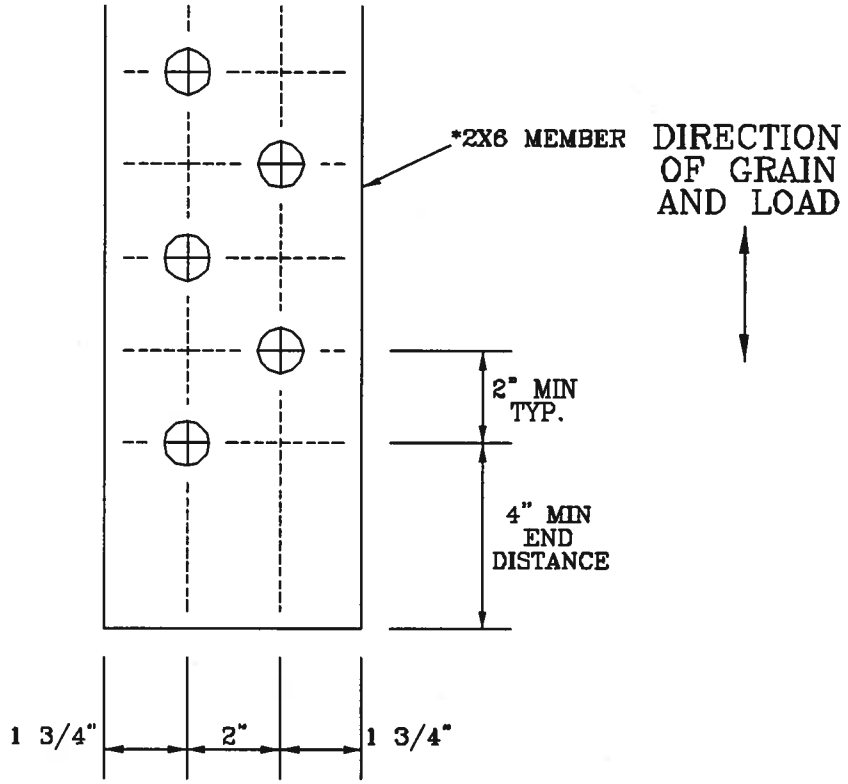
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

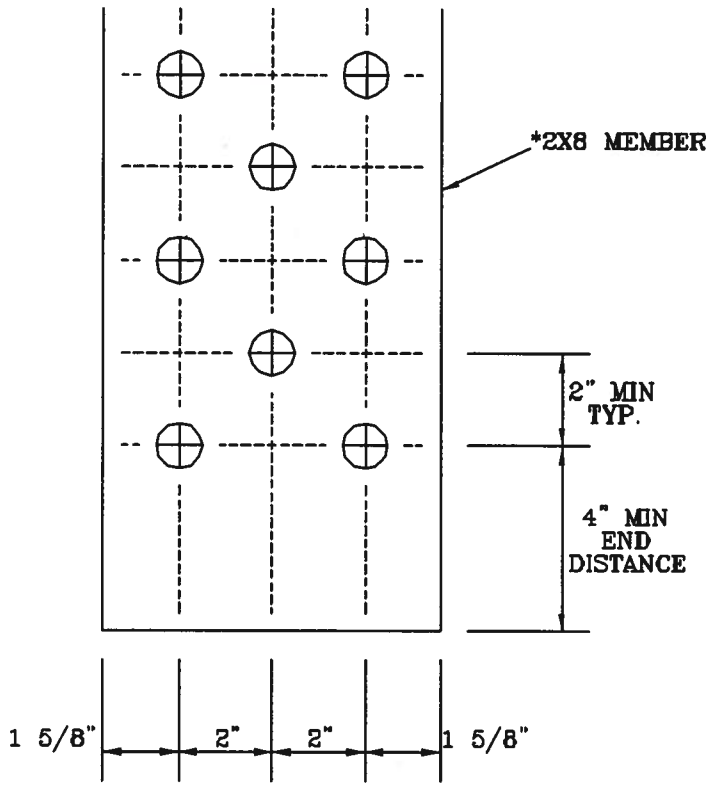
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL



2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628,016

==WARNING== TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (1-03 BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

TC LL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNBOLTSP1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

TRULOX CONNECTION DETAIL

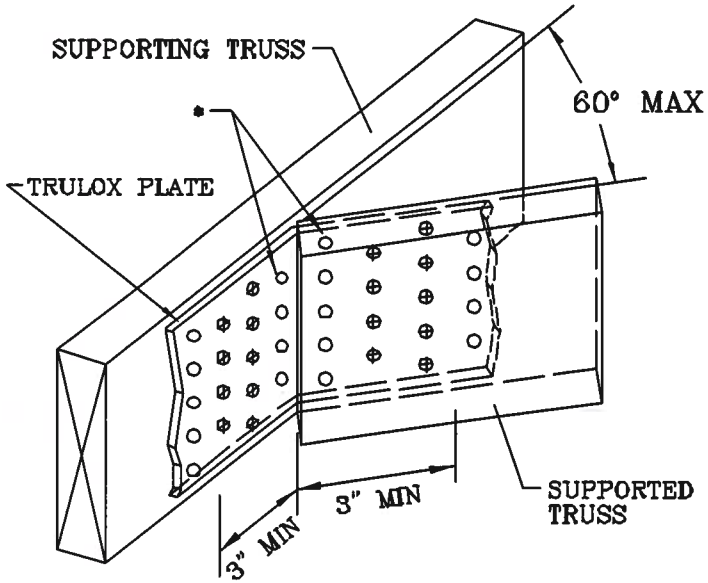
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

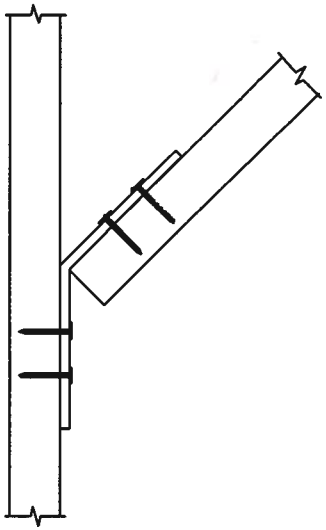
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

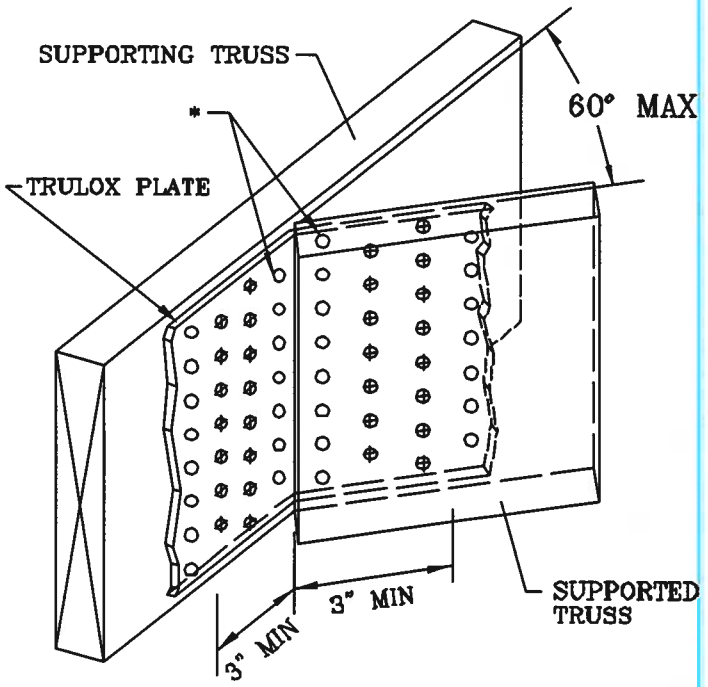
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



MINIMUM 3X6 TRULOX PLATE





MINIMUM 5X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
5X6	15	990#

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R 1,154,944 1,152,217 1,152,017 1,159,154 & 1,151,524

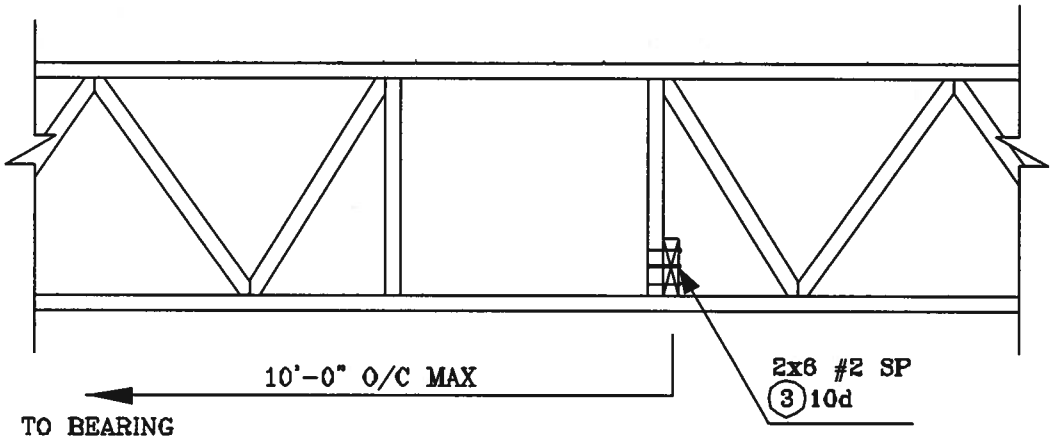
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

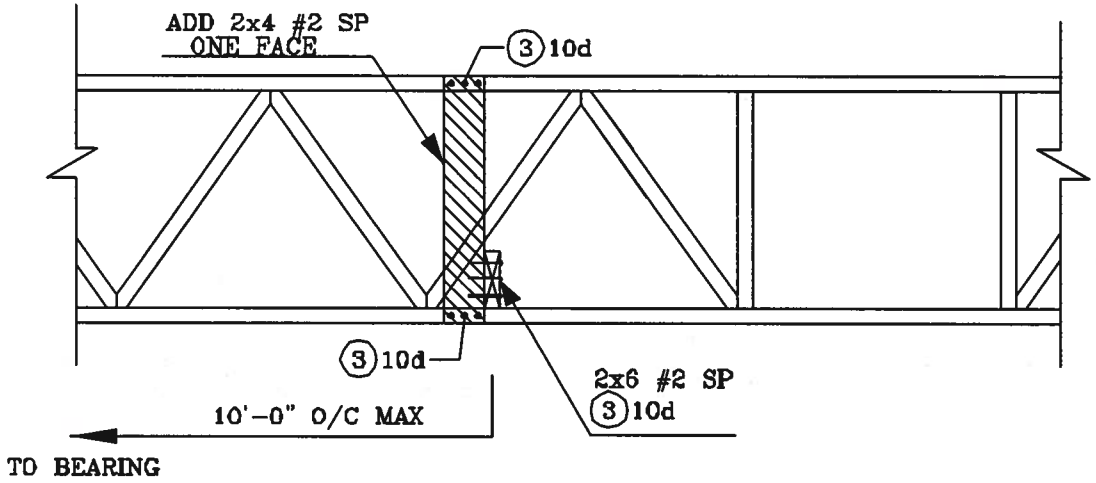
No: 34869
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/03
DRWG	CNTRULOX1103
-ENG	JL

STRONG BACK DETAIL
SYSTEM-42 OR FLAT TRUSS



ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP



JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

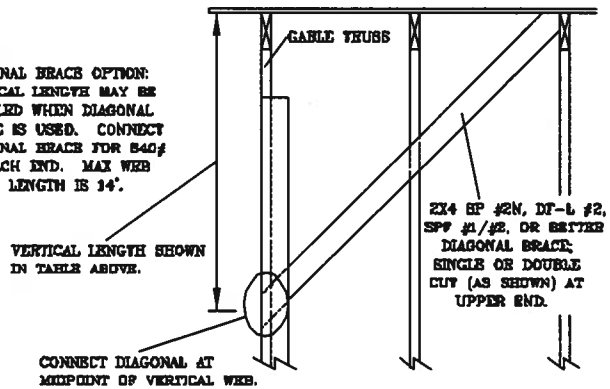
No: 34869
STATE OF FLORIDA

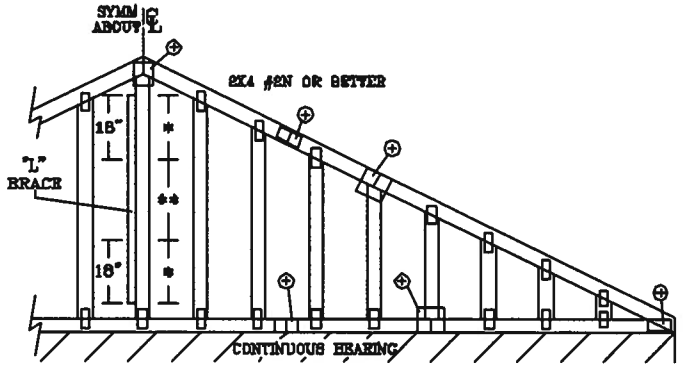
ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 540# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#2
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 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' 8"	2X4
GREATER THAN 11' 8"	2.5X4

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

==WARNING== TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR, SUITE 200, MADISON, WI 53719) 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-GAB13015
DATE 11/26/03
DRWG MITEK STD GABLE 15 E HT
-ENG

ASCE 7-02: 130 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 *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"
		#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
		STUD	3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
		STANDARD	3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	8' 6"	8' 6"	11' 6"	11' 6"
	SP DFL	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#2	3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#3	3' 6"	5' 0"	6' 0"	6' 8"	6' 8"	8' 3"	8' 8"	10' 4"	10' 4"	12' 11"	13' 7"
		STUD	3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"
		STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
16" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 6"	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' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	8' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	8' 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' 2"	9' 6"	9' 11"	12' 6"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	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"
12" O.C.	SPF HF	#1 / #2	4' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 6"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 11"	6' 11"	8' 8"	8' 8"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STUD	4' 2"	6' 11"	6' 11"	8' 8"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STANDARD	4' 2"	6' 11"	6' 11"	7' 10"	7' 10"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP DFL	#1	4' 8"	7' 4"	7' 11"	8' 8"	8' 8"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 8"	8' 8"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 8"	8' 8"	10' 5"	10' 11"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 8"	8' 8"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	12' 6"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

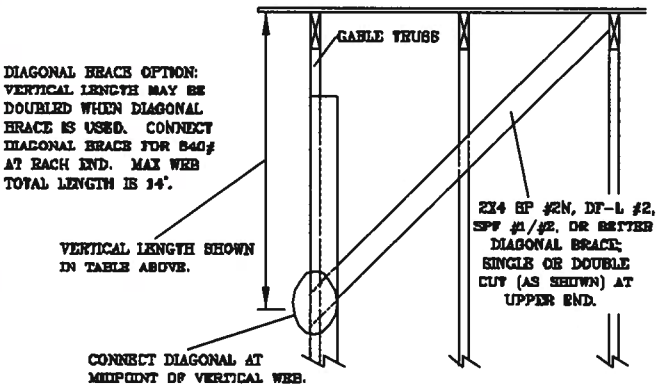
SOUTHERN PINE
#3
STUD
STANDARD

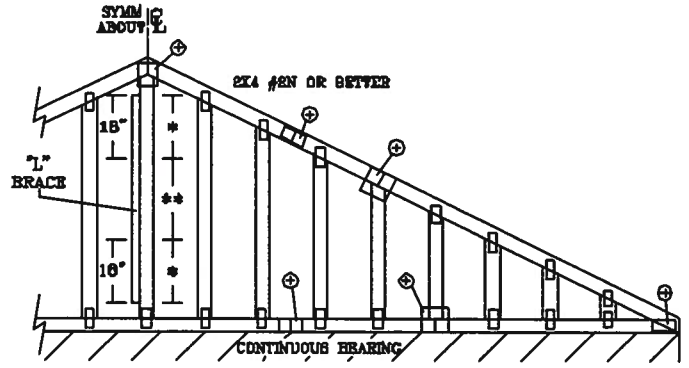
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#2
#2

DOUGLAS FIR-LARCH
#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 136 PLF OVER CONTINUOUS BEARING (6 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
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GREATER THAN 4' 0", BUT LESS THAN 11' 8"	2X4
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+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-GAB13015
DATE 11/26/03
DRWG MITEK STD GABLE 15 E HT
-ENG

ASCE 7-02: 130 MPH WIND SPEED, 30' 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 *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 2"	5' 6"	6' 5"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
		#3	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STUD	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STANDARD	2' 11"	3' 9"	3' 9"	6' 0"	5' 0"	6' 9"	6' 9"	7' 10"	7' 10"	10' 7"	10' 7"
	SP DFL	#1	3' 6"	5' 8"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#2	3' 5"	5' 6"	5' 11"	6' 5"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#3	3' 3"	4' 6"	4' 8"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 8"
		STUD	3' 3"	4' 6"	4' 8"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 8"
		STANDARD	3' 0"	3' 10"	3' 10"	5' 1"	5' 1"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
16" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 6"	4' 8"	6' 2"	6' 2"	8' 3"	8' 3"	9' 7"	9' 7"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 8"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 8"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	6' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 8"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 6"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"
12" O.C.	SPF HF	#1 / #2	4' 0"	6' 11"	7' 2"	8' 3"	8' 6"	9' 10"	10' 1"	12' 11"	15' 4"	14' 0"	14' 0"
		#3	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 11"	12' 11"	14' 0"	14' 0"
		STUD	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 10"	12' 10"	14' 0"	14' 0"
		STANDARD	3' 11"	5' 4"	5' 4"	7' 1"	7' 1"	9' 6"	9' 6"	11' 1"	11' 1"	14' 0"	14' 0"
	SP DFL	#1	4' 5"	6' 11"	7' 8"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#2	4' 4"	6' 11"	7' 8"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#3	4' 2"	6' 5"	6' 5"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"
		STUD	4' 2"	6' 4"	6' 4"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 8"	5' 8"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH

#3
STUD
STANDARD

SOUTHERN PINE

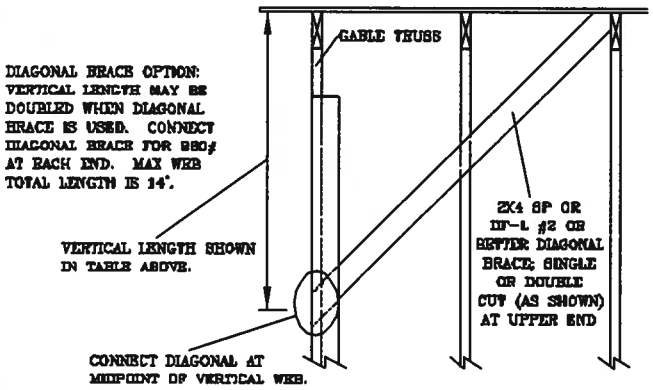
#3
STUD
STANDARD

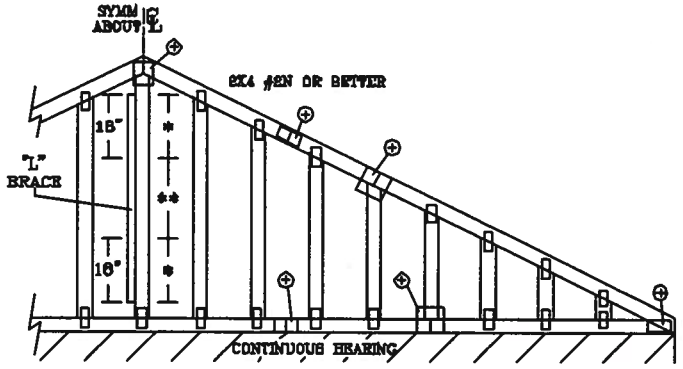
GROUP B:

HEM-FIR

#1 & BTR
#1

SOUTHERN PINE	DOUGLAS FIR-LARCH
#2	#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 180 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 16" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 16" END ZONES AND 6" O.C. BETWEEN ZONES.

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WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) 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.

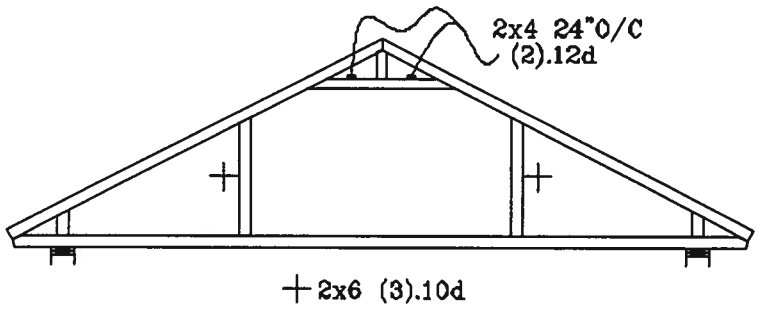
JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

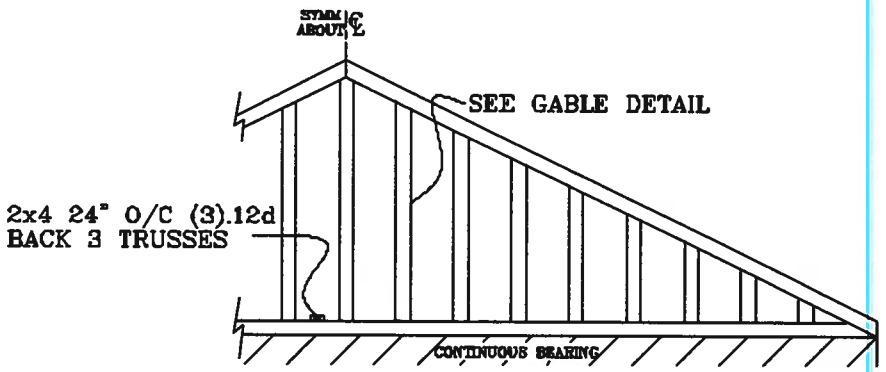
MAX. SPACING 24.0"

REF ASCE7-02-GAB13090
DATE 11/26/03
DWG MYRK STD GABLE 30' E W7
-ENG

TYPICAL ATTIC TRUSS BRACING

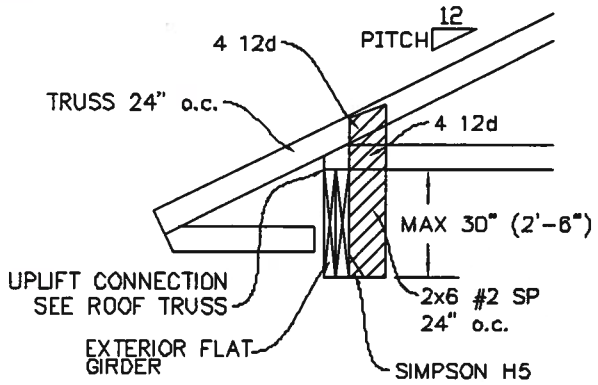


GABLE END TRUSS DETAIL

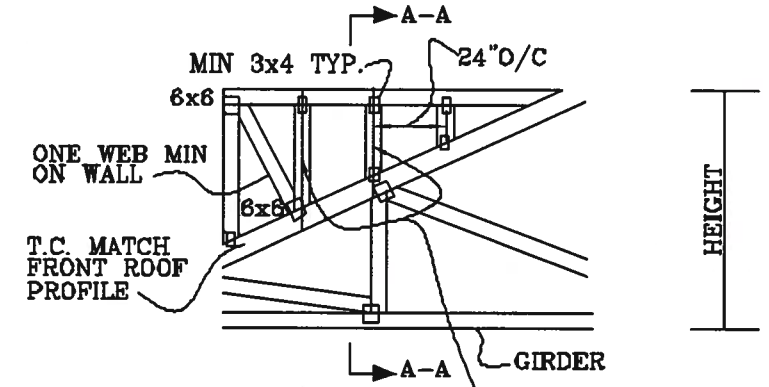


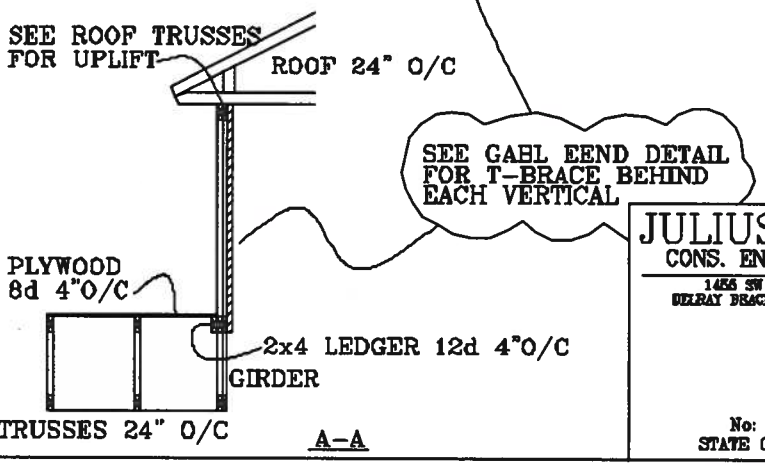
MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL





JULIUS LEE'S
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1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-3161

No: 34869
STATE OF FLORIDA

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.

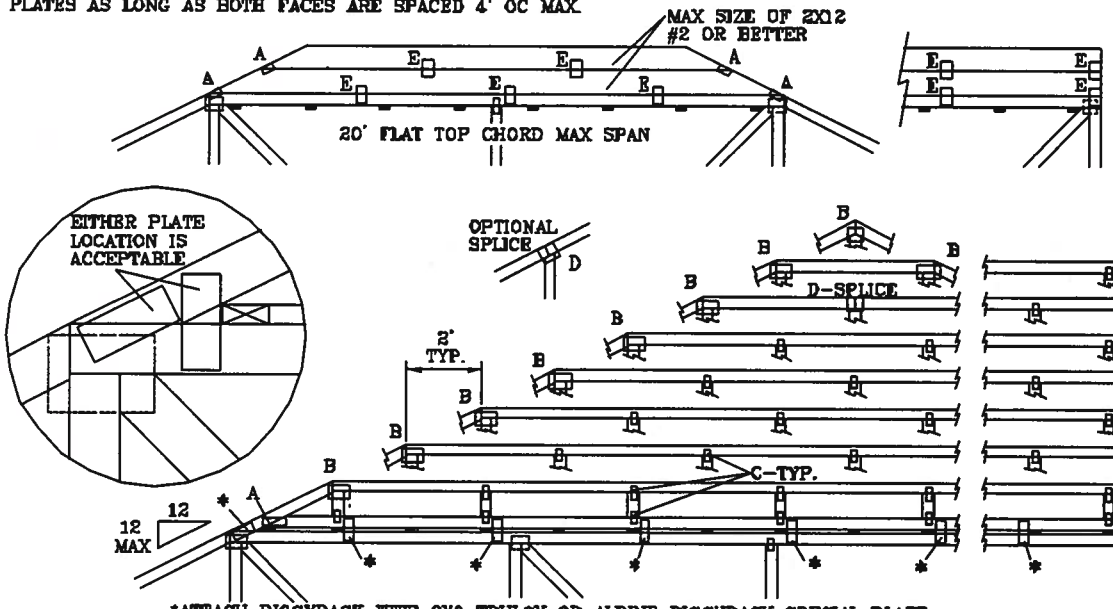
ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

- 110 MPH WIND, 30' MEAN HGT, ASCE 7-93, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, 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.



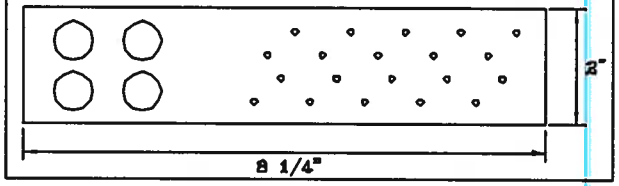
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X8	5X8	5X8	5X8
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X8 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

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 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 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 & 647,045

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161
No: 34869
STATE OF FLORIDA

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 11/26/03
DRWG MITEK STD PIGGY
-ENG JL

VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR SBC 110 MPH, ASCE 7-93 110 MPH WIND OR (3) 16d FOR ASCE 7-98 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.

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

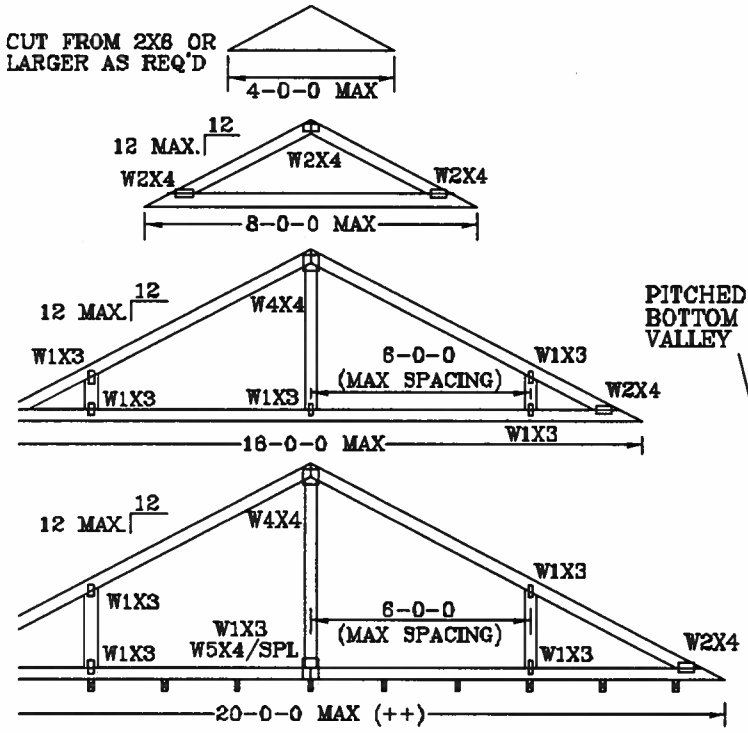
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

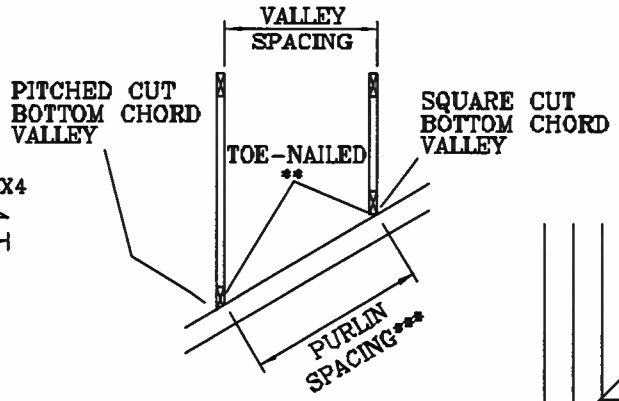
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

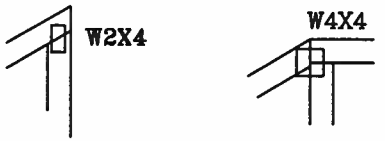
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

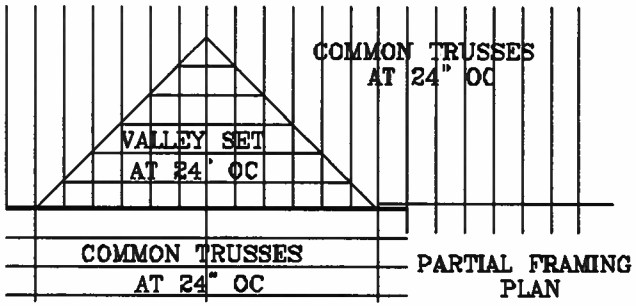
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

xxWARNINGxx TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2181
No: 34869
STATE OF FLORIDA

TC LL	20	20	PSF	REF VALLEY DETAIL
TC DL	7	15	PSF	DATE 11/26/03
BC DL	5	5	PSF	DRWG VALTRUSS1103
BC LL	0	0	PSF	-ENG JL
TOT. LD.	32	40	PSF	
DURFAC.	1.25	1.25		
SPACING		24"		

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-1997 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

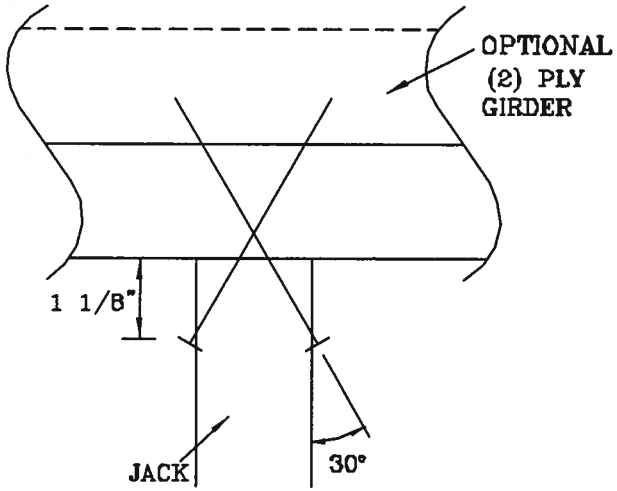
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

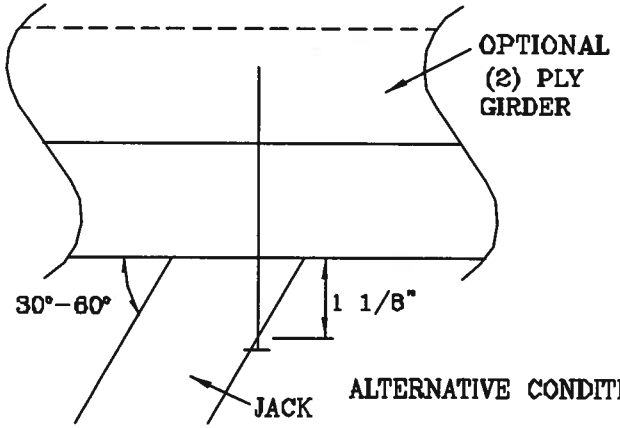
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM LATERAL RESISTANCE OF 16d (0.162"X3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES
2	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.





ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1450 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161
No: 34869
STATE OF FLORIDA

TC LL	PSF	REF	TOE-NAIL
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNTONAIL1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			

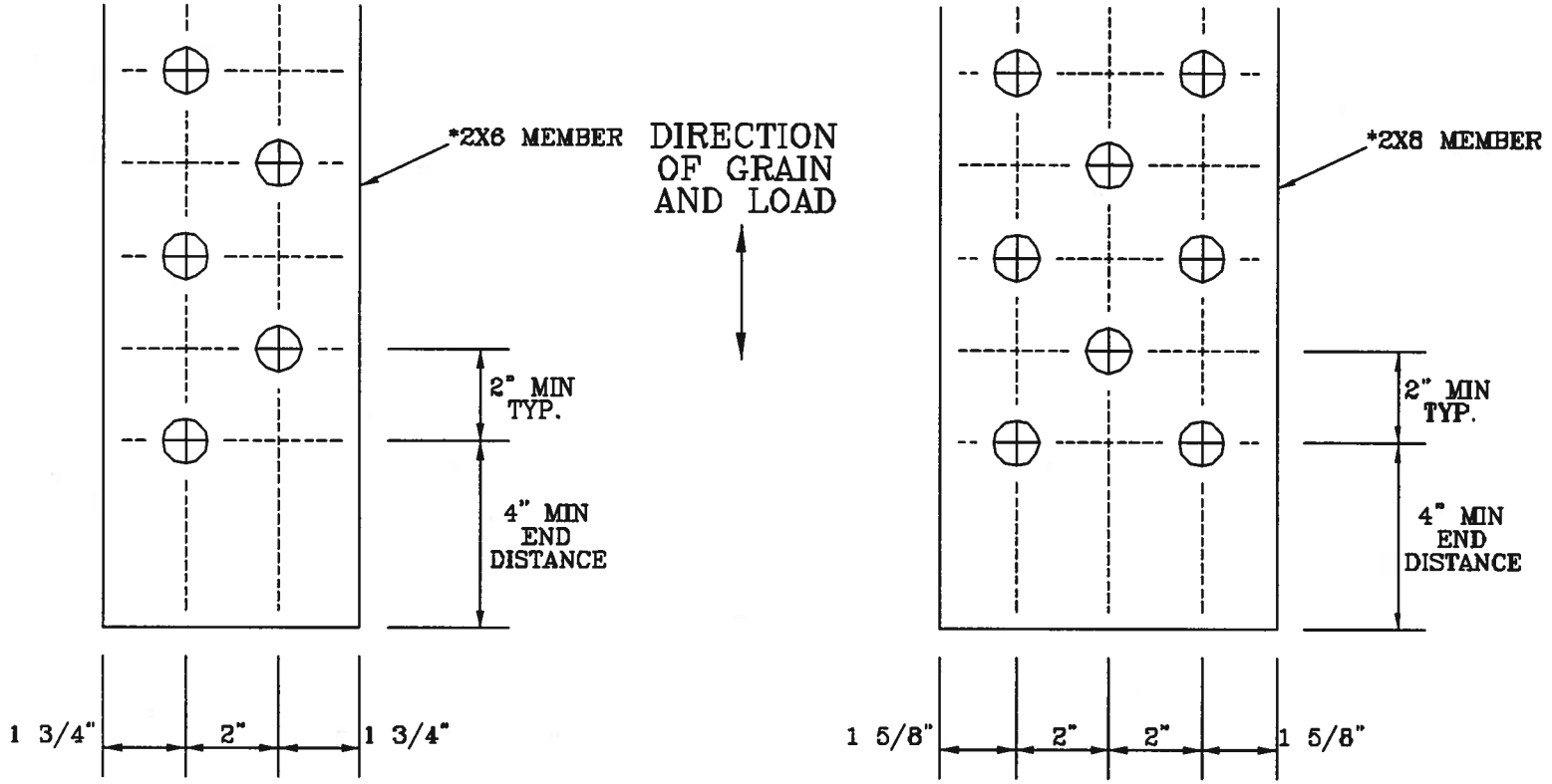
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL

2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628,016

=WARNING= TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161
No: 34869
STATE OF FLORIDA

TC LL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNBOLTSP1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

TRULOX CONNECTION DETAIL

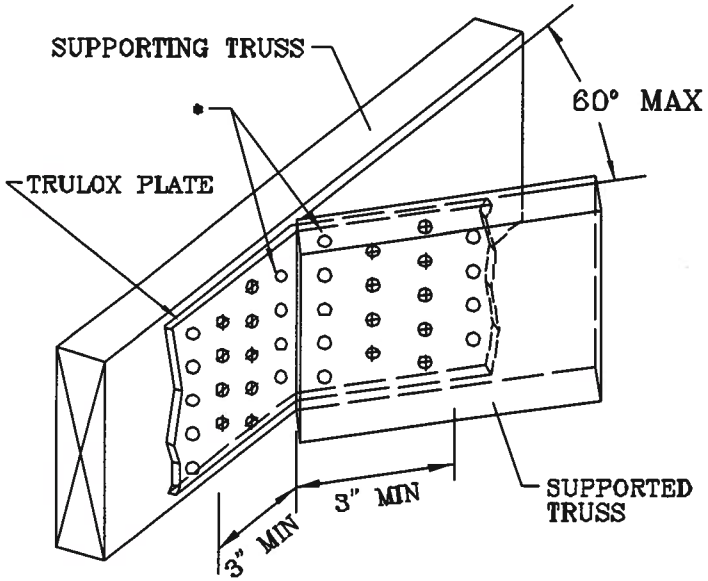
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

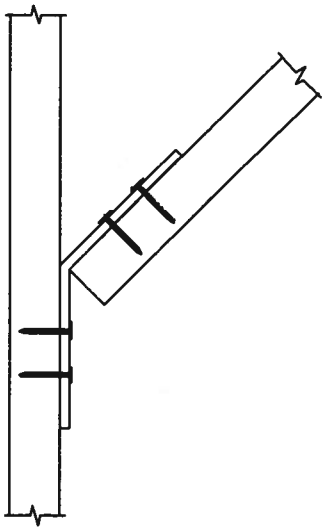
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

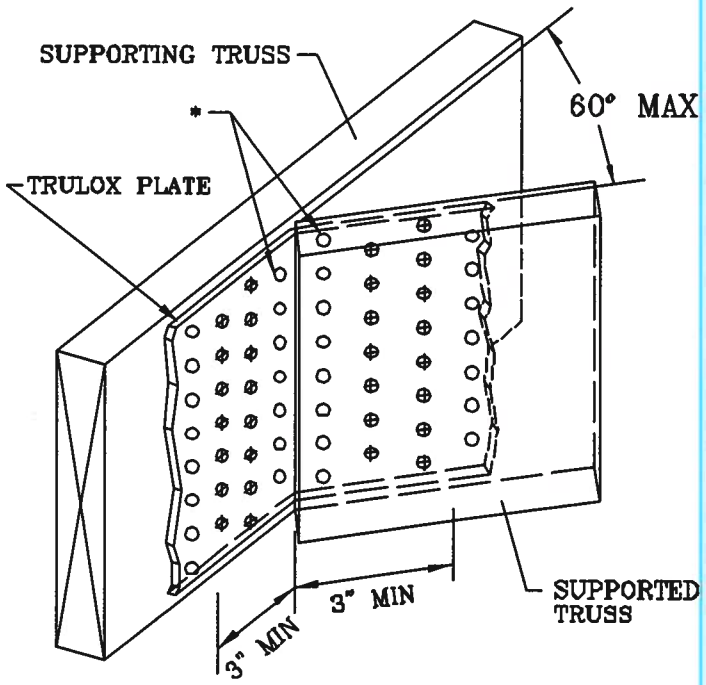
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



MINIMUM 3X6 TRULOX PLATE





MINIMUM 5X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
5X6	15	990#

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R 1,154,944 1,152,217 1,152,017 1,159,154 & 1,151,524

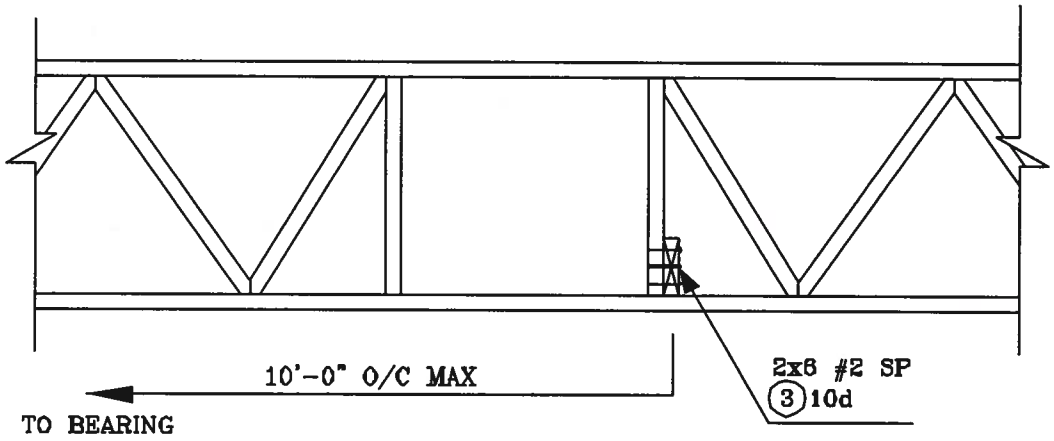
==WARNING== TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI) (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-3161

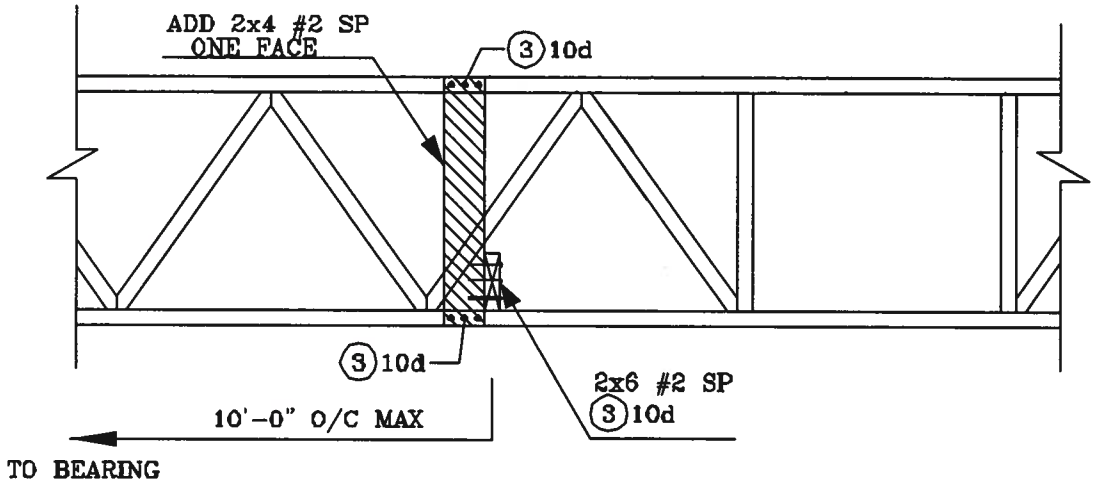
No: 34869
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/03
DRWG	CNTRULOX1103
-ENG	JL

STRONG BACK DETAIL
SYSTEM–42 OR FLAT TRUSS



ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP



JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-3161

No: 34869
STATE OF FLORIDA

Load Short Form
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

HEATING EQUIPMENT

Make	n/a
Trade	n/a
Model	n/a

Efficiency	n/a	
Heating input		
Heating output	0	Btuh
Temperature rise	0	°F
Actual air flow	0	cfm
Air flow factor	0.000	cfm/Btuh
Static pressure	0.00	in H2O
Space thermostat	n/a	

COOLING EQUIPMENT

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a

Efficiency	n/a	
Sensible cooling	0	Btuh
Latent cooling	0	Btuh
Total cooling	0	Btuh
Actual air flow	0	cfm
Air flow factor	0.000	cfm/Btuh
Static pressure	0.00	in H2O
Load sensible heat ratio	0.00	

ROOM NAME		Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
ZONE ONE	d	1482	26621	23969	1153	1153
ZONE 2	d	860	15819	9778	613	613
Entire House	d	2342	42440	33747	1766	1766
Other equip loads			0	0		
Equip. @ 0.97 RSM				32734		
Latent cooling				5731		
TOTALS		2342	42440	38465	1766	1766

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

Load Short Form
ZONE ONE
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

HEATING EQUIPMENT

Make Ruud
Trade Ruud UPNE Series
Model UPNE-036J*Z

Efficiency	8.2 HSPF	
Heating input		
Heating output	36400	Btuh @ 47°F
Temperature rise	29	°F
Actual air flow	1153	cfm
Air flow factor	0.043	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Ruud
Trade Ruud UPNE Series
Cond UPNE-036J*Z
Coil UBHK-21+RCHJ-36A1

Efficiency	13 SEER	
Sensible cooling	24220	Btuh
Latent cooling	10380	Btuh
Total cooling	34600	Btuh
Actual air flow	1153	cfm
Air flow factor	0.048	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.84	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
FAMILY ROOM	404	4795	3616	208	174
LAUNDRY ROOM	104	884	4241	38	204
MASTER BATH	160	3809	1788	165	86
M/CLOSET	65	2477	605	107	29
M/BEDROOM	238	5540	2602	240	125
DINING ROOM	187	4521	3169	196	152
FOYER	116	2044	1384	89	67
KITCHEN	209	2551	6564	110	316
ZONE ONE d	1482	26621	23969	1153	1153
Other equip loads		1691	777		
Equip. @ 0.97 RSM			24003		
Latent cooling			4781		
TOTALS	1482	28312	28784	1153	1153

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

Load Short Form
ZONE 2
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration	
Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

HEATING EQUIPMENT

Make	Ruud
Trade	Ruud UPNE Series
Model	UPNE-018J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	17300	Btuh @ 47°F
Temperature rise	26	°F
Actual air flow	613	cfm
Air flow factor	0.039	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

COOLING EQUIPMENT

Make	Ruud
Trade	Ruud UPNE Series
Cond	UPNE-018J*Z
Coil	17AHSA18HM+RCSA-H*2417A*

Efficiency	13 SEER	
Sensible cooling	12880	Btuh
Latent cooling	5520	Btuh
Total cooling	18400	Btuh
Actual air flow	613	cfm
Air flow factor	0.063	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.75	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
HALL	88	131	283	5	18
BEDROOM 2	230	3962	3315	154	208
BEDROOM 3	206	4752	2673	184	168
BEDROOM 4	206	5428	2811	210	176
BATH 2	65	773	348	30	22
BATH 3	65	773	348	30	22
ZONE 2 d	860	15819	9778	613	613
Other equip loads		1300	597		
Equip. @ 0.97 RSM			10064		
Latent cooling			3527		
TOTALS	860	17120	13590	613	613

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

Load Multizone Summary Report

Job: MORTENSEN
Date: Aug 21, 2007
By:

LARRY RESMONDO AIR CONDITIONING

Infiltration Summary

ZONE NAME	Heating Volume ft³	Heating ACH	Heating AVF cfm	Heating HTM Btuh/ft²	Cooling Volume ft³	Cooling ACH	Cooling AVF cfm	Cooling HTM Btuh/ft²
ZONE ONE	13932	0.34	79	2.9	13932	0.15	34	0.6
ZONE 2	7737	0.44	56	2.9	7737	0.19	24	0.6
Entire House	21669	0.38	136	2.9	21669	0.16	58	0.6

Load and AVF Summary

ROOM NAME	Area ft²	Htg load Btuh	Clg load Btuh	Htg AVF cfm	Clg AVF cfm
FAMILY ROOM	404	4795	3616	208	174
LAUNDRY ROOM	104	884	4241	38	204
MASTER BATH	160	3809	1788	165	86
M/CLOSET	65	2477	605	107	29
M/BEDROOM	238	5540	2602	240	125
DINING ROOM	187	4521	3169	196	152
FOYER	116	2044	1384	89	67
KITCHEN	209	2551	6564	110	316
ZONE ONE	1482	28312	23969	1153	1153
HALL	88	131	283	5	18
BEDROOM 2	230	3962	3315	154	208
BEDROOM 3	206	4752	2673	184	168
BEDROOM 4	206	5428	2811	210	176
BATH 2	65	773	348	30	22
BATH 3	65	773	348	30	22
ZONE 2	860	17120	9778	613	613
Entire House	2342	42440	33747	1323	1323

Building Analysis
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Design Conditions

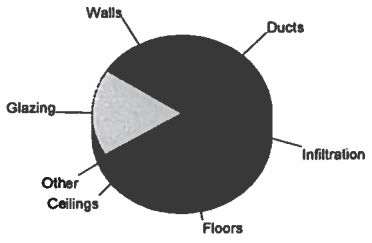
Location:
Gainesville, FL, US
Elevation: 0 ft
Latitude: 30 °N

Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	51.6
Infiltration:		
Method	Simplified	
Construction quality	Average	
Fireplaces	1 (Average)	

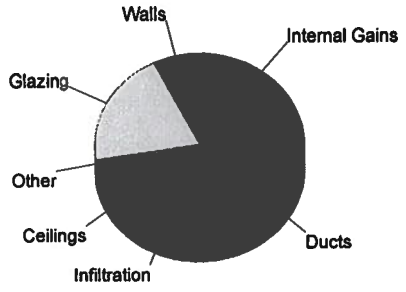
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.3	6665	15.7
Glazing	32.2	7693	18.1
Doors	14.4	606	1.4
Ceilings	1.2	2773	6.5
Floors	3.9	9195	21.7
Infiltration	2.9	5518	13.0
Ducts		9990	23.5
Piping		0	0.0
Humidification		0	0.0
Ventilation		0	0.0
Adjustments		0	
Total		**42440**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.8	2434	7.2
Glazing	28.7	6867	20.3
Doors	11.4	477	1.4
Ceilings	2.0	4695	13.9
Floors	0.0	0	0.0
Infiltration	0.6	1081	3.2
Ducts		11272	33.4
Ventilation		0	0.0
Internal gains		6920	20.5
Blower		0	0.0
Adjustments		0	
Total		**33747**	**100.0**



Overall U-value = 0.122 Btuh/ft²-°F

Data entries checked.

Building Analysis
ZONE ONE
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Design Conditions

Location:
Gainesville, FL, US
Elevation: 0 ft
Latitude: 30°N

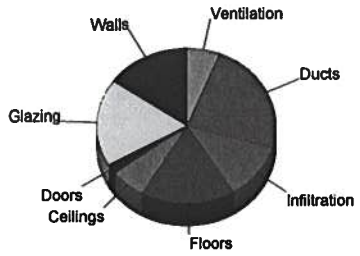
Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	51.6

Infiltration:	
Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

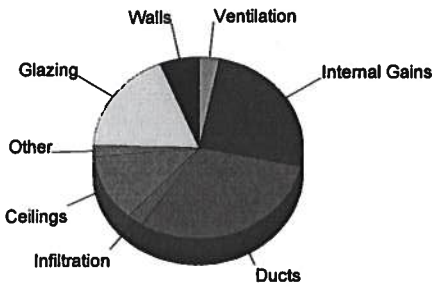
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.5	4328	15.3
Glazing	32.2	5118	18.1
Doors	14.4	606	2.1
Ceilings	1.2	1755	6.2
Floors	3.3	4874	17.2
Infiltration	2.9	3234	11.4
Ducts		6705	23.7
Piping		0	0.0
Humidification		0	0.0
Ventilation		1691	6.0
Adjustments		0	
Total		**28312**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.9	1509	6.1
Glazing	28.7	4569	18.5
Doors	11.4	477	1.9
Ceilings	2.0	2972	12.0
Floors	0.0	0	0.0
Infiltration	0.6	633	2.6
Ducts		7579	30.6
Ventilation		777	3.1
Internal gains		6230	25.2
Blower		0	0.0
Adjustments		0	
Total		**24746**	**100.0**



Overall U-value = 0.115 Btuh/ft²-°F

Data entries checked.

Building Analysis
ZONE 2
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Design Conditions

Location:
Gainesville, FL, US
Elevation: 0 ft
Latitude: 30°N

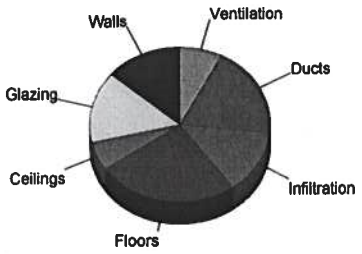
Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	51.6

Infiltration:	
Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

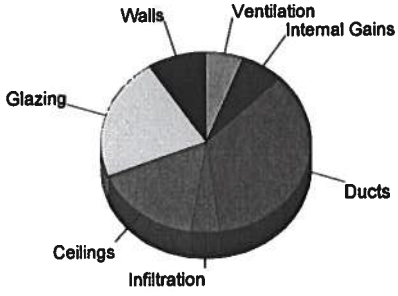
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.0	2337	13.6
Glazing	32.2	2575	15.0
Doors	0.0	0	0.0
Ceilings	1.2	1018	5.9
Floors	5.0	4321	25.2
Infiltration	2.9	2283	13.3
Ducts		3285	19.2
Piping		0	0.0
Humidification		0	0.0
Ventilation		1300	7.6
Adjustments		0	
Total		**17120**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.8	925	8.9
Glazing	28.7	2299	22.2
Doors	0.0	0	0.0
Ceilings	2.0	1723	16.6
Floors	0.0	0	0.0
Infiltration	0.6	447	4.3
Ducts		3693	35.6
Ventilation		597	5.8
Internal gains		690	6.7
Blower		0	0.0
Adjustments		0	
Total		**10375**	**100.0**



Overall U-value = 0.134 Btuh/ft²-°F

Data entries checked.

Project Summary
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	32450	Btuh
Ducts	9990	Btuh
Central vent (73 cfm)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	42440	Btuh

Sensible Cooling Equipment Load Sizing

Structure	22475	Btuh
Ducts	11272	Btuh
Central vent (73 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	32734	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	2342	2342
Volume (ft³)	21669	21669
Air changes/hour	0.38	0.16
Equiv. AVF (cfm)	136	58

Latent Cooling Equipment Load Sizing

Structure	2826	Btuh
Ducts	2906	Btuh
Central vent (73 cfm)	0	Btuh
Equipment latent load	5731	Btuh
Equipment total load	38465	Btuh
Req. total capacity at 0.70 SHR	3.9	ton

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a

Efficiency	n/a	
Heating input		
Heating output	0	Btuh
Temperature rise	0	°F
Actual air flow	0	cfm
Air flow factor	0.000	cfm/Btuh
Static pressure	0.00	in H2O
Space thermostat	n/a	

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a

Efficiency	n/a	
Sensible cooling	0	Btuh
Latent cooling	0	Btuh
Total cooling	0	Btuh
Actual air flow	0	cfm
Air flow factor	0.000	cfm/Btuh
Static pressure	0.00	in H2O
Load sensible heat ratio	0.00	

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

Project Summary
ZONE ONE
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	19916	Btuh
Ducts	6705	Btuh
Central vent (42 cfm)	1691	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	28312	Btuh

Sensible Cooling Equipment Load Sizing

Structure	16390	Btuh
Ducts	7579	Btuh
Central vent (42 cfm)	777	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	24003	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	1482	1482
Volume (ft³)	13932	13932
Air changes/hour	0.34	0.15
Equiv. AVF (cfm)	79	34

Latent Cooling Equipment Load Sizing

Structure	1387	Btuh
Ducts	1937	Btuh
Central vent (42 cfm)	1456	Btuh
Equipment latent load	4781	Btuh
Equipment total load	28784	Btuh
Req. total capacity at 0.70 SHR	2.9	ton

Heating Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Model	UPNE-036J*Z

Efficiency	8.2 HSPF	
Heating input		
Heating output	36400	Btuh @ 47°F
Temperature rise	29	°F
Actual air flow	1153	cfm
Air flow factor	0.043	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Cond	UPNE-036J*Z
Coil	UBHK-21+RCHJ-36A1

Efficiency	13 SEER	
Sensible cooling	24220	Btuh
Latent cooling	10380	Btuh
Total cooling	34600	Btuh
Actual air flow	1153	cfm
Air flow factor	0.048	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.84	

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Project Summary
ZONE 2
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	12534	Btuh
Ducts	3285	Btuh
Central vent (32 cfm)	1300	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	17120	Btuh

Sensible Cooling Equipment Load Sizing

Structure	6084	Btuh
Ducts	3693	Btuh
Central vent (32 cfm)	597	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	10064	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	860	860
Volume (ft³)	7737	7737
Air changes/hour	0.44	0.19
Equiv. AVF (cfm)	56	24

Latent Cooling Equipment Load Sizing

Structure	1438	Btuh
Ducts	968	Btuh
Central vent (32 cfm)	1120	Btuh
Equipment latent load	3527	Btuh
Equipment total load	13590	Btuh
Req. total capacity at 0.70 SHR	1.2	ton

Heating Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Model	UPNE-018J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	17300	Btuh @ 47°F
Temperature rise	26	°F
Actual air flow	613	cfm
Air flow factor	0.039	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Cond	UPNE-018J*Z
Coil	17AHSA18HM+RCSA-H*2417A*

Efficiency	13 SEER	
Sensible cooling	12880	Btuh
Latent cooling	5520	Btuh
Total cooling	18400	Btuh
Actual air flow	613	cfm
Air flow factor	0.063	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.75	

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

Duct System Summary
ZONE ONE
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

	Heating	Cooling
External static pressure	***0.10*** in H2O	***0.10*** in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.08 / -0.07 in H2O	-0.08 / -0.07 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	1153 cfm	1153 cfm
Total effective length (TEL)	180 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
FAMILY ROOM	h	4795	208	174	0.100	9	12x6	VlFx	100.0	0.0	st1
LAUNDRY ROOM-A	c	2121	19	102	0.100	7	12x4	VlFx	100.0	0.0	st1
LAUNDRY ROOM	c	2121	19	102	0.100	7	12x4	VlFx	100.0	0.0	st1
MASTER BATH	h	3809	165	86	0.100	8	12x5	VlFx	100.0	0.0	st1
M/CLOSET	h	2477	107	29	0.100	7	12x4	VlFx	100.0	0.0	st1
M/BEDROOM	h	5540	240	125	0.100	9	12x6	VlFx	100.0	0.0	st1
DINING ROOM	h	4521	196	152	0.100	9	12x6	VlFx	100.0	0.0	st1
FOYER	h	2044	89	67	0.100	6	12x3	VlFx	100.0	0.0	st1A
KITCHEN-A	c	3282	55	158	0.100	8	12x5	VlFx	100.0	0.0	st1A
KITCHEN	c	3282	55	158	0.100	8	12x5	VlFx	100.0	0.0	st1A

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1153	1153	0.100	798	16	16 x 13	RectFbg	
st1A	Peak AVF	199	382	0.100	573	10	16 x 6	RectFbg	st1

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	0x0	240	125	80.0	0.100	494	9	10x 7		VlFx	

Duct System Summary
ZONE 2
LARRY RESMONDO AIR CONDITIONING

Job: MORTENSEN
Date: Aug 21, 2007
By:

Project Information

For: MARK HADDOX, WOODMAN PARK BUILDERS

	Heating	Cooling
External static pressure	***0.10*** in H2O	***0.10*** in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.08 / -0.07 in H2O	-0.08 / -0.07 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	613 cfm	613 cfm
Total effective length (TEL)	135 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
HALL	c	283	5	18	0.100	4	12x1	VIFx	75.0	0.0	st1
BEDROOM 2	c	3315	154	208	0.100	9	12x6	VIFx	75.0	0.0	st1
BEDROOM 3	h	4752	184	168	0.100	8	12x5	VIFx	75.0	0.0	st1
BEDROOM 4	h	5428	210	176	0.100	9	12x6	VIFx	75.0	0.0	st1A
BATH 2	h	773	30	22	0.100	4	12x1	VIFx	75.0	0.0	st1
BATH 3	h	773	30	22	0.100	4	12x1	VIFx	75.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	613	613	0.100	690	12	16 x 8	RectFbg	
st1A	Peak AVF	210	176	0.100	315	10	16 x 6	RectFbg	st1

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	0x0	154	208	60.0	0.100	427	9	10x 7		VIFx	
rb3	0x0	184	168	60.0	0.100	530	8	10x 5		VIFx	
rb4	0x0	210	176	60.0	0.100	433	9	10x 7		VIFx	

Bold/italic values have been manually overridden

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

#26232

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

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

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 321 N.W. Cole Terrace, Suite 107 City Lake City State FL Zip 32055
Company Business License No. JB108178 Company Phone No. 386-755-3611 • 352-494-5751
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Woodmen Park Builders Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 240 S.W Vargas Way Ft. White FL

Type of Construction (More than one box may be checked) ☑ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 36 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 10-8-07
Brand Name of Product(s) Used Biflex
EPA Registration No. 53883-164
Approximate Final Mix Solution % .06
Approximate Size of Treatment Area: Sq. ft. 9074 Linear ft. 222 Linear ft. of Masonry Voids 222
Approximate Total Gallons of Solution Applied 864
Was treatment completed on exterior? ☐ Yes ☑ No
Service Agreement Available? ☑ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments

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

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

Authorized Signature [signature] Date 10-8-07

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001449

DATE 09/13/2007 PARCEL ID # 27-6S-16-03951-105

APPLICANT MARK HADDOX PHONE 755-2411

ADDRESS P.O. BOX 1755 LAKE CITY FL 32056

OWNER GEORGE MORTENSEN PHONE

ADDRESS 250 SW VARGAS WAY FT. WHITE FL 32038

CONTRACTOR WOODMAN PARK/WILLIAM WOOD PHONE 755-2411

LOCATION OF PROPERTY 47S, TL ON JEANLEA, TL ON VARGAS WAY, 3RD LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT FOXWOOD 5

SIGNATURE

INSTALLATION REQUIREMENTS

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

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

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

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

Amount Paid 25.00

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 27-6S-16-03951-105 **Building permit No.** 000026232

Use Classification SFD,UTILITY **Fire:** 25.68

Permit Holder WOODMAN PARK/WILLIAM WOOD **Waste:** 67.00

Owner of Building GEORGE MORTENSEN **Total:** 92.68

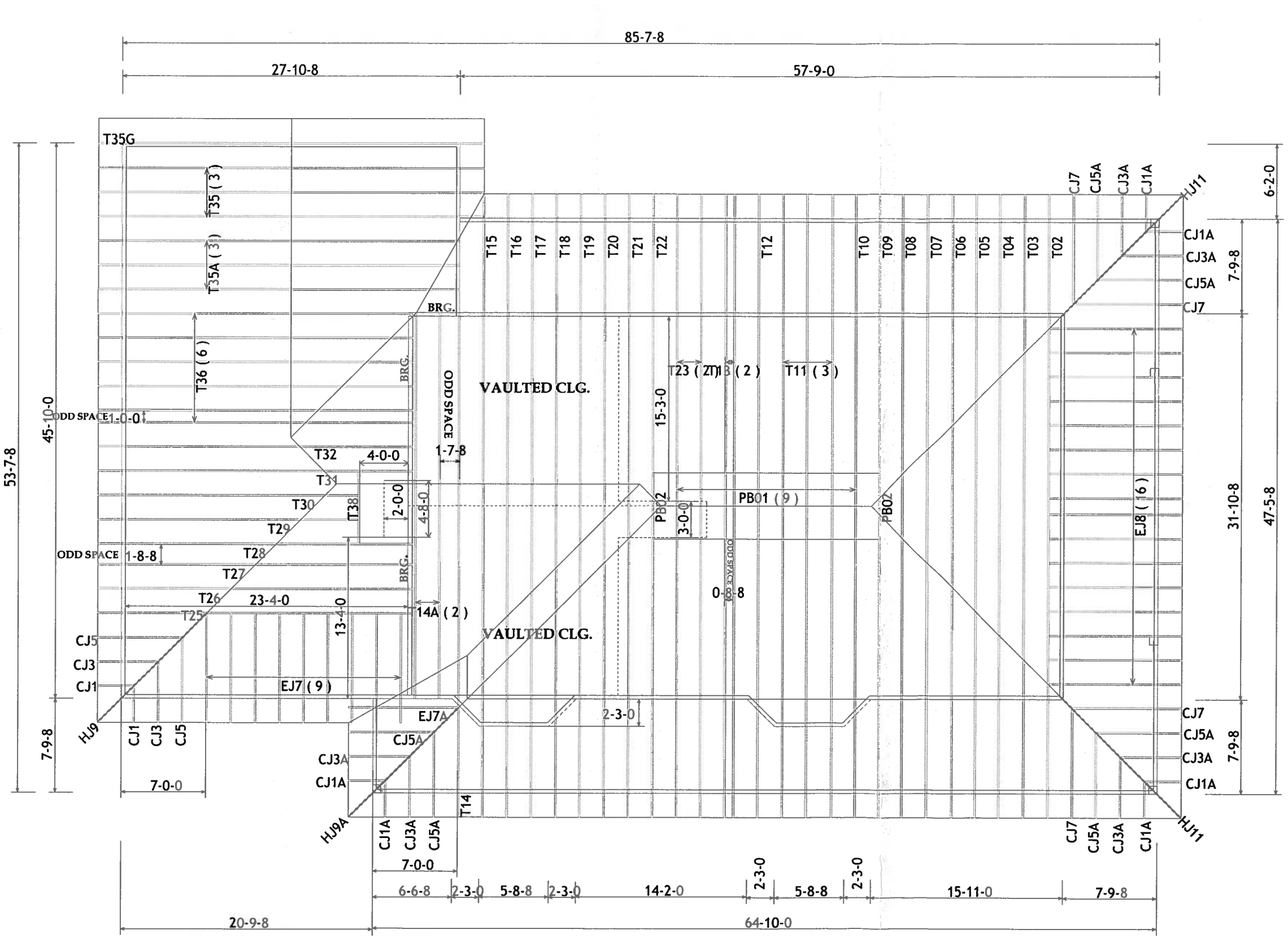
Location: 250 SW VARGAS WAY, FT. WHITE, FL

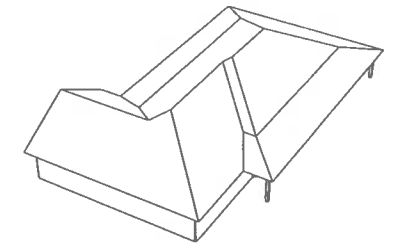
Date: 06/18/2008

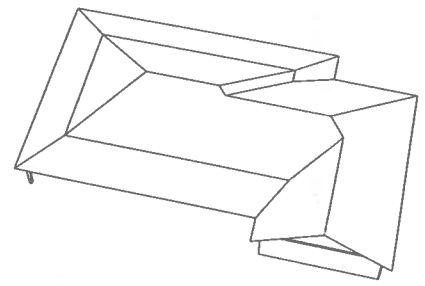
Wayne A. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

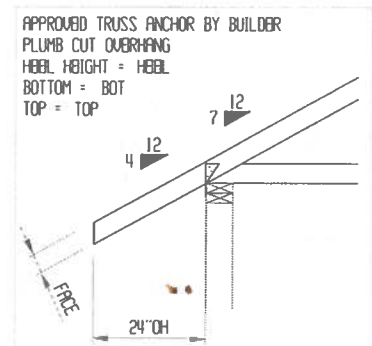






NOTE:
CUT 6 CJ3A TO MAKE 6 CJ1A

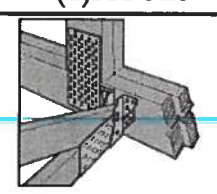
APPROVED TRUSS ANCHOR BY BUILDER
PLUMB CUT OVERHANG
HEEL HEIGHT = HEEL
BOTTOM = BOT
TOP = TOP



TRUSS END DETAIL

HANGER SCHEDULE

TRUSS HANGER INFORMATION Check TRUSS ENGINEERING For gravity and uplift values if the value exceeds the capacity of a hanger.
(4)HTU26



BEARING HEIGHT SCHEDULE

9'-0"

OVERHANG
2'-0"

ROOF PITCH(S)
7/12 & 4/12

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) ALL ROOF TRUSS HANGERS TO BE SIMPSON HUS26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date: _____

Approved By: _____ Date: _____

Builders FirstSource
Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994
Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973
Lake City
PHONE: 386-755-6894 FAX: 386-755-7973
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: **WOODMAN PARK BLDR.**
LEGAL ADDRESS: **MORTENSEN, FL**
MODEL: **CUSTOM**
REVISION:
SCALE: NTS
DATE: **08/22/07**
DRAWN BY: **A MONDRAGON**
JOB #: **I250968**