

DATE 11/23/2010

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

PERMIT
000029028

APPLICANT MARK BAUER PHONE 386-454-3174
ADDRESS 234 NE 1ST AVE HIGH SPRINGS FL 32643
OWNER TRAVIS WILLIAMS PHONE 386-454-3174
ADDRESS 247 NE GUM SWAMP RD LAKE CITY FL 32055
CONTRACTOR INNOVATIVE HOME BUILDERS PHONE 386-454-3174
LOCATION OF PROPERTY 441 N, R GUM SWAMP RD, 3RD LOT ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 92100.00
HEATED FLOOR AREA 1250.00 TOTAL AREA 1842.00 HEIGHT 16.00 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 5/12 FLOOR SLAB
LAND USE & ZONING RSF/MH-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 20-3S-17-05369-004 SUBDIVISION TRIANGLE PARK
LOT 10 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 0.27

CBC1256897 X [Signature]
Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
EXISTING 10-0510 BK TC N
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD

BEING BUILT ON LOT 10

NOC ON FILE _____ Check # or Cash 21352

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 465.00 CERTIFICATION FEE \$ 9.21 SURCHARGE FEE \$ 9.21
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ **TOTAL FEE** 558.42
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.

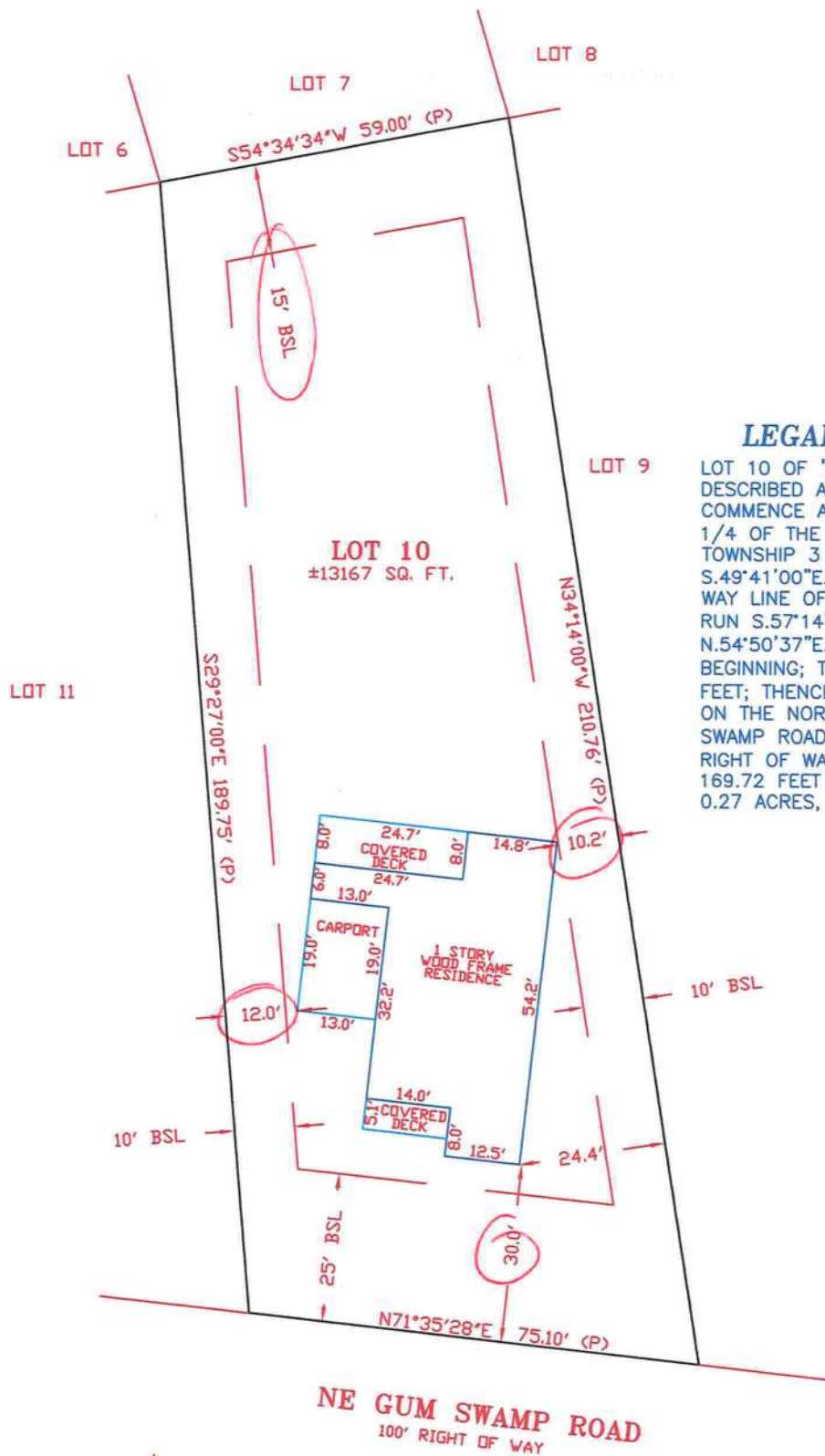
"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

PLOT PLAN

LOT 10
TRIANGLE PARK
IN SECTION 20, TOWNSHIP 3 SOUTH, RANGE 17 EAST
COLUMBIA COUNTY, FLORIDA



LEGAL DESCRIPTION

LOT 10 OF " TRIANGLE PARK" MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE NORTHWEST CORNER OF SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 20, TOWNSHIP 3 SOUTH, RANGE 17 EAST, AND RUN THENCE S.49°41'00"E., TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF NORTHEAST DOUBLERUN ROAD; THENCE RUN S.57°14'41"E., 131.02 FEET; THENCE RUN N.54°50'37"E., 137.13 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N.54°50'37"E., 58.84 FEET; THENCE S.29°14'24"E., 189.54 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF NORTHEAST GUM SWAMP ROAD; THENCE S.71°50'53"W., ALONG SAID NORTH RIGHT OF WAY LINE, 75.00 FEET; THENCE N.24°08'41"W., 169.72 FEET TO THE POINT OF BEGINNING. CONTAINING 0.27 ACRES, MORE OR LESS.

LEGEND

BSL = BUILDING SETBACK LINE

SURVEYOR NOTES:

1. THE BEARINGS SHOWN HEREON ARE BASED ON THE PLAT OF TRIANGLE PARK.
2. RECORDED EASEMENT AND/OR DEEDS NOT FURNISHED TO THE SURVEYOR ARE NOT SHOWN.
3. THIS DOES NOT PURPORT TO BE A BOUNDARY SURVEY.

GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.

THIS IS NOT A BOUNDARY SURVEY

FLOWERS SURVEYING AND MAPPING INC
207 SE CONDOR GLEN
HIGH SPRINGS, FLORIDA 32643
386-454-8147

PREPARED FOR:
INNOVATIVE HOME BUILDERS
OF NORTH FLORIDA INC

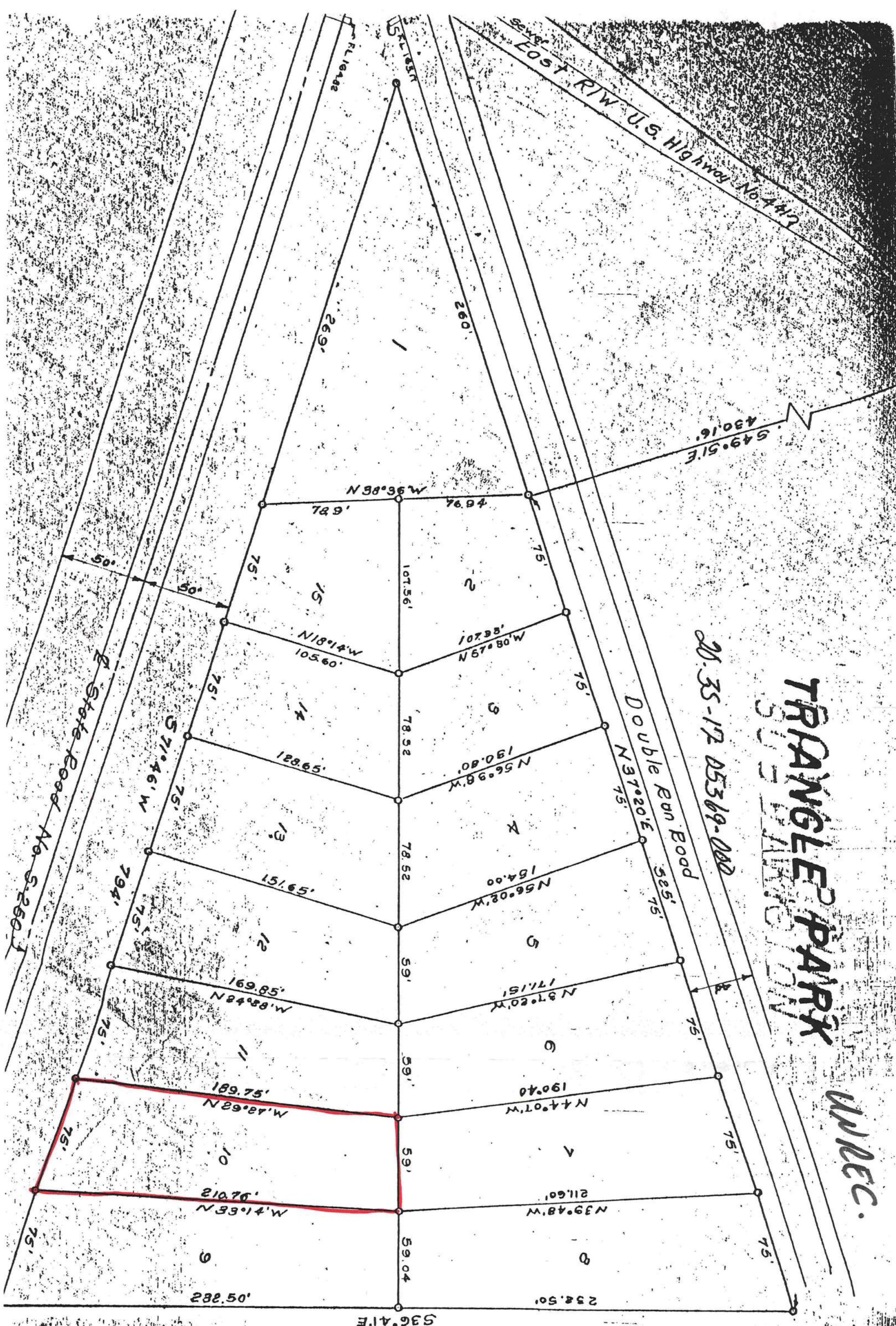
DRAFTED: JMF
CHECKED: RVS

JOB NUMBER:
10-031

SHEET
1 OF 1

APDEC

Double Run Road
N 37° 20' E
75'



Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 526 W. 1st St. Apt. 102

City Lake City Phone 202 1003

Site Location: Subdivision Triangle Park

Lot # 10 Block# Permit # 29028

Address 247 NE Gum Swamp Rd Lake City

Product used	Active Ingredient	% Concentration
--------------	-------------------	-----------------

☒ Premise	Imidacloprid	0.1%
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☐ Termidor	Fipronil	0.12%
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☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%
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Type treatment: ☒ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Backyard	1842		100

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

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

Date 11/26/10 Time 10:17 Print Technician's Name David H. H.

Remarks: _____

Columbia County Property Appraiser

DB Last Updated: 11/4/2010

2010 Tax Year

Parcel: 20-3S-17-05369-004

<< Next Lower Parcel Next Higher Parcel >>

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

Interactive GIS Map

Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	WILLIAMS TRAVIS CLAYTON		
Mailing Address	P O BOX 1716 LAKE CITY, FL 32056		
Site Address	237 NE GUM SWAMP RD		
Use Desc. (code)	VACANT (000000)		
Tax District	2 (County)	Neighborhood	20317
Land Area	2.220 ACRES	Market Area	06
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		
COMM AT THE NW COR OF SE1/4 OF SW1/4, RUN S 49 DEG E 430.16 FT TO S R/W OF DOUBLE RUN RD. THENCE N 37 DEG E ALONG R/W 150.00 FT FOR POB. CONT N 37 DEG E ALONG R/W 375.00 FT, S 36 DEG E 465.00 FT, S 71 DEG W 375.00 FT, N 18 DEG W 128.65 FT, N 56 DEG W 130.80 FT, TO POB. EX 0.24 AC, BEING LOT 12 DESC IN ORB 1159-2522 & EX 0.28 AC, BEING LOT 11 DESC BY PLAT DIMENSIONS. ORB 398-49, 471-56, 631-766, 65 ...more>>>			



Property & Assessment Values

2010 Certified Values		
Mkt Land Value	cnt: (0)	\$20,499.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$20,499.00
Just Value		\$20,499.00
Class Value		\$0.00
Assessed Value		\$20,499.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$20,499 Other: \$20,499 Schl: \$20,499	

2011 Working Values

NOTE:

2011 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)

Sales History

[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
8/30/2007	1129/2171	WD	I	Q		\$56,000.00
12/13/2004	1033/2535	WD	I	Q		\$175,000.00
10/11/2004	1027/2350	QC	I	U	06	\$100.00
12/9/2003	1001/2467	WD	I	U	06	\$100.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	2.22 AC	1.00/1.00/1.00/1.00	\$9,234.00	\$20,499.00

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 20-35-17-05369-004

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

1. Description of property (legal description): Lot 10 Triangle Park
a) Street (job) Address: _____
2. General description of improvements: Single Family Home
3. Owner Information
a) Name and address: Travis Williams 234 NE 1st Ave High Springs, FL 32643
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property _____
4. Contractor Information
a) Name and address: Innovative Home Builders 234 NE 1st Ave High Springs, FL 32643
b) Telephone No.: 386-434-3124 Fax No. (Opt.) _____
5. Surety Information
a) Name and address: _____
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
a) Name and address: _____
b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. [Signature]
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
Travis C. Williams
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 23 day of November, 2010, by:
Travis C. Williams as owner (type of authority, e.g. officer, trustee, attorney
fact) for Travis C. Williams (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification ☒ Type FL 7C W4528038 22900

Notary Signature Michelle M. Spitzer Notary Stamp or Seal:
—AND—

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

[Signature]
Signature of Natural Person Signing (in line #10 above.)



CERTIFICATE OF OCCUPANCY

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 20-3S-17-05369-004

Building permit No. 000029028

Use Classification SFD, UTILITY

Fire: 57.78

Permit Holder INNOVATIVE HOME BUILDERS

Waste: 150.75

Owner of Building TRAVIS WILLIAMS

Total: 208.53

Location: 247 NE GUM SWAMP ROAD

Date: 01/07/2011

Shoy Chen

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Columbia County Building Permit Application

For Office Use Only Application # 1011-25 Date Received 10-15-10 By LH Permit # 29028
 Zoning Official BWJ Date 11.11.10 Flood Zone X Land Use RD Zoning RSF/MH-2
 FEMA Map # N/A Elevation N/A MFE 1/2 inch River N/A Plans Examiner J.C. Date 11-17-10
 Comments Being built on Lot 10
☐ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☒ Letter of Auth. from Contractor ☐ F W Comp. letter
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
 School _____ = TOTAL _____ IVF Form

Septic Permit No. 10-0510 Fax 386-454-3557
 Name Authorized Person Signing Permit Mark Bauer Phone 352-283-2002
386-454-3174
 Address 234 NE 1st Ave High Springs, FL 32643
 Owners Name Travis Williams Phone 386-454-3174
 911 Address 247 NE Gum Swamp Rd Lake City, FL 32055
 Contractors Name Travis Williams/Innovative Home Builders Phone 386-454-3174
 Address 234 NE 1st Ave High Springs, FL 32643
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Mark Pisosway P.O. Box 868 Lake City, FL 32056
 Mortgage Lenders Name & Address _____
 Circle the correct power company FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy
 Property ID Number 20-35-17-05369-004 Estimated Cost of Construction \$70,000
 Subdivision Name Triangle Park Lot 10 Block _____ Unit _____ Phase _____
 Driving Directions From Bldg Dept N on 41 to Gum Swamp. Right on Gum Swamp and look for site, 3rd on Left.
 Number of Existing Dwellings on Property 0

Construction of Single Family Home Total Acreage 1/3 Lot Size 60x200
 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 16'
 Actual Distance of Structure from Property Lines - Front 30' Side 12' Side 10.2" Rear 105'
 Number of Stories 1 Heated Floor Area 1250 Total Floor Area 1842 Roof Pitch 5/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code. Page 1 of 2 (Both Pages must be submitted together.) Revised 6-19-09

558.42
no culvert

Spoke to Mark 11-17-10 LH

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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

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

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

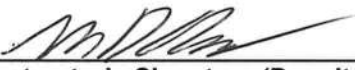
(Owners Must Sign All Applications Before Permit Issuance.)



Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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

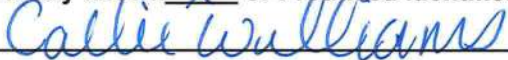


Contractor's Signature (Permitee)

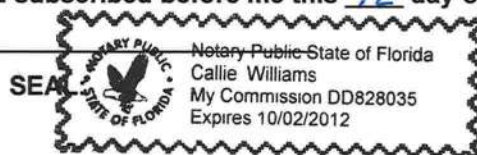
Contractor's License Number CBC1256897
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 12 day of Oct. 2010.

Personally known x or Produced Identification _____



State of Florida Notary Signature (For the Contractor)



Prepared by:

American Title Services of Lake City, Inc.
321 SW Main Blvd., Suite 105
Lake City, Florida 32025

File Number: 07-350

Inst:200712019843 Date:8/31/2007 Time:9:35 AM

Doc Stamp-Deed:392.00

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

Warranty Deed

Made this August 30, 2007 A.D.

By **Timothy R. Williams and Tamela H. Williams, husband and wife**, Post Office Box 1716, Lake City, Florida 32056, hereinafter called the grantor, to

Travis Clayton Williams, whose post office address is: Post Office Box 1716, Lake City, Florida 32056, hereinafter called the grantee:

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

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

See Attached Schedule "A"

Parcel ID Number: 05371-000

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

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

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

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

Signed, sealed and delivered in our presence:

Megan Marable
Witness Printed Name Megan Marable

Johnny M. Hamm
Witness Printed Name Johnny M. Hamm

State of Florida
County of Columbia

Timothy R. Williams (Seal)
Timothy R. Williams
Address: Post Office Box 1716, Lake City, Florida 32056

Tamela H. Williams (Seal)
Tamela H. Williams
Address:

The foregoing instrument was acknowledged before me this 30th day of August, 2007, by Timothy R. Williams and Tamela H. Williams, husband and wife, who is/are personally known to me or who has produced driver's license as identification.



Megan M. Marable
Notary Public
Print Name:

My Commission
Expires:

Schedule "A"

TOWNSHIP 3 SOUTH, RANGE 17 EAST

SECTION 20: Commence at the NW corner of the SE 1/4 of the SW 1/4 and run South 49° 51' East, 430.16 feet to South Right of Way of Double Run Road and Permanent records monument (PRM), Thence run North 37° 20' East along said Right of Way 150.00 feet for a Point of Beginning, Thence continue North 37° 20' East along said Right of way 375 feet to a PRM, Thence run South 36° 41' East 465 feet to a PRM, Thence run South 71 ° 46' West 375.00 feet to PRM. Thence run North 18° 14' West 128.65 feet to a PRM, Thence run North 56° 38° West 130.80 feet to the Point of Beginning.

Also Described as Lots 4, 5, 6, 7, 8, 9, 10, 11,12 and 13 of Triangle Park, A subdivision of a part of the E 1/2 of the SW 1/4 of Section 20, Township 3 South, Range 17 East. **IN COLUMBIA COUNTY, FLORIDA.**

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: 10/29/2010 DATE ISSUED: 11/3/2010

ENHANCED 9-1-1 ADDRESS:

247 NE GUM SWAMP RD

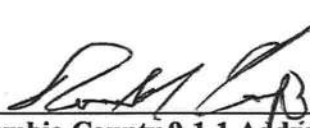
LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

20-3S-17-05369-004

Remarks:

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.

LIMITED POWER OF ATTORNEY

BE IT KNOWN, that Travis Clayton Williams CBC# 1256897 has made and appointed, and by these presents does make and appoint Mark David Bauer true and lawful attorney for him and in his name, place and stead, for the following specific and limited purposes only:

giving and granting said attorney, full power and authority to do and perform all and every act and thing whatsoever necessary to be done in and about the specific and limited premises (1. Pull any necessary permits for building construction in the state of Florida. 2. Sign any documents pertaining to pulling permits in the state of Florida. 3. To approve and/or sign any other related documents) as fully, to all intents and purposes, as might or could be done if personally present, with full power of substitution and revocation, hereby ratifying and confirming all that said attorney shall lawfully do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, I Travis Williams have hereunto set my hand and seal this 14 day of August, 2009.
Signed, sealed and delivered in the presence of: [Signature]

Bonnie Strickland
Witness

Naphue Jones
Witness

State of Florida)
County of Alachua) ss.

The foregoing instrument was acknowledged by me this 14th day of August, 2009 by: Travis C. Williams who is/are personally known by me or who has/have produced: FLDL W45280382290 as identification and who did not take an oath.

Michelle M. Spikes (SEAL)
Notary Public
State of

My Commission Expires:



STATE OF FLORIDA
DEPARTMENT OF HEALTH

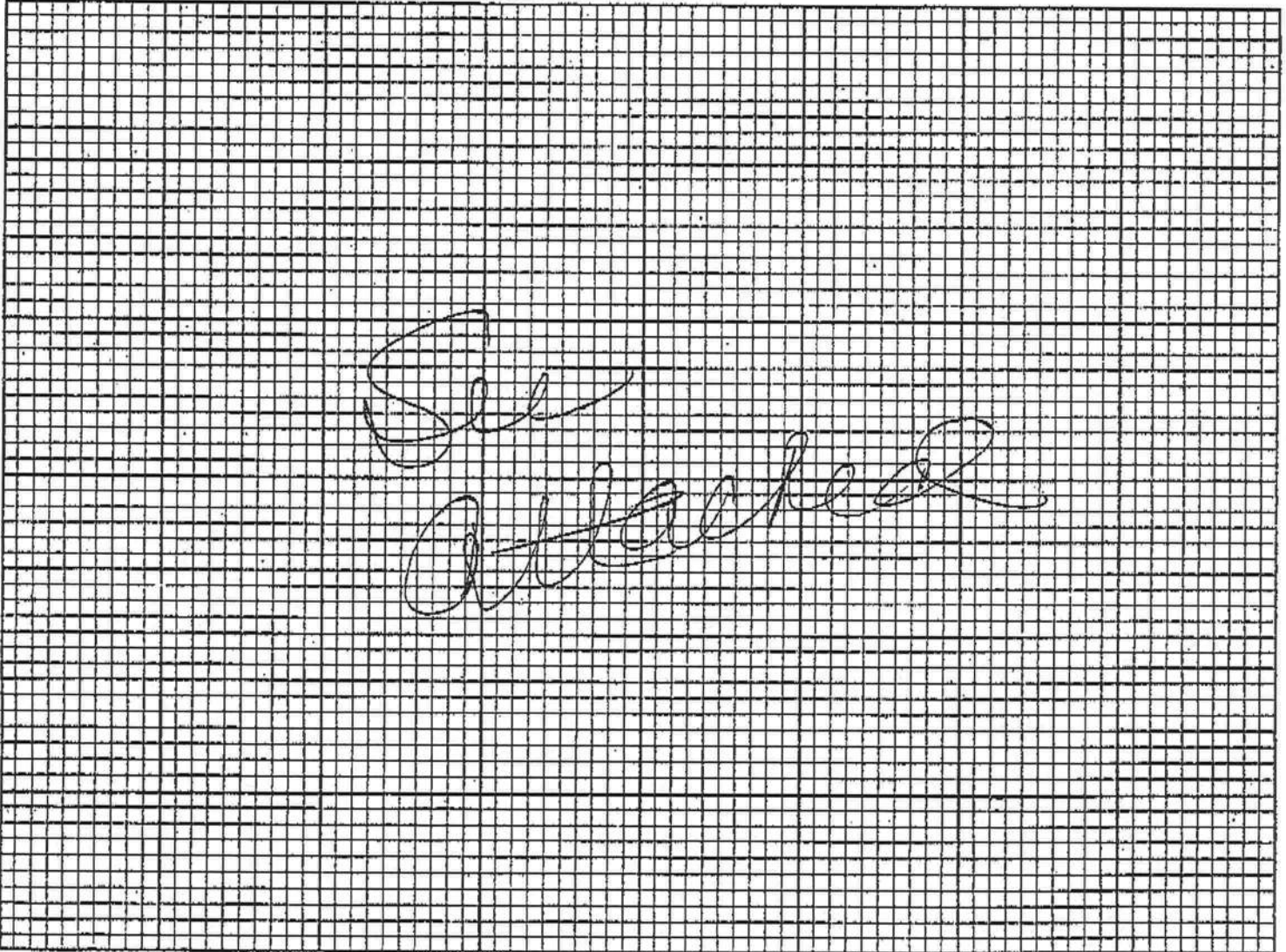
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

10-0510

PART II - SITE PLAN

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



Notes:

Site Plan submitted by: Mark Danner

SignatureAgent
TitlePlan Approved ☒

Not Approved

Date 11/12/10

By

Sallie Ford, EH Director

Columbia CHD

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

18-26-2010 08:15

INNOVATIVE HOME BUILDERS 386493337

LOT 10

PHASE 2

Chris - need
soils done

IN SECTION 20, TOWNSHIP 3 SOUTH, RANGE 17 EAST
COLUMBIA COUNTY, FLORIDA

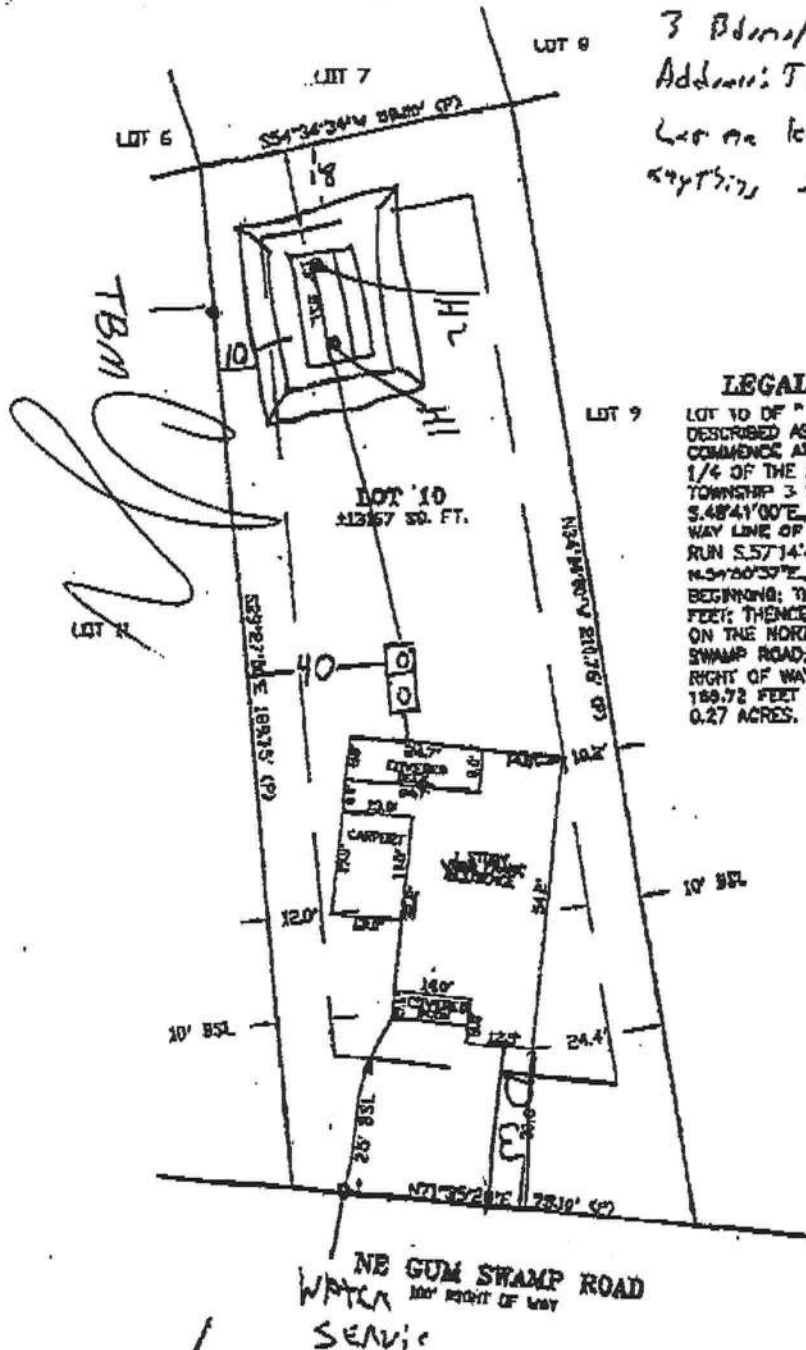
From: Innovative Home Bldg

Attn: Bob

3 Bldgs/2 Bnks/1250 sq ft

Address: TBD

Let me know if you need
anything else. Thanks



LEGAL DESCRIPTION

LOT 10 OF "TRIANGLE PARK" MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE NORTHWEST CORNER OF SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 20, TOWNSHIP 3 SOUTH, RANGE 17 EAST, AND RUN THENCE S.48°41'00"E. TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF NORTHEAST DOUBLEDOWN ROAD; THENCE RUN S.57°14'41"E. 131.02 FEET; THENCE RUN N.37°00'37"E. 137.13 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N.54°50'37"E. 88.84 FEET; THENCE S.28°14'24"E. 189.54 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF NORTHEAST GUM SWAMP ROAD; THENCE S.71°50'53"W. ALONG SAID NORTH RIGHT OF WAY LINE, 73.00 FEET; THENCE N.24°08'41"W. 188.72 FEET TO THE POINT OF BEGINNING, CONTAINING 0.27 ACRES, MORE OR LESS.

LEGEND

BSL - BUILDING SETBACK LINE

1" = 32'

SURVEYOR NOTES:

1. THE BEARINGS SHOWN HEREON ARE BASED ON THE PLAT OF TRIANGLE PARK.
2. RECORDED EASEMENT AND/OR DEEDS NOT FURNISHED TO THE SURVEYOR ARE NOT SHOWN.
3. THIS DOES NOT PURPORT TO BE A BOUNDARY SURVEY.



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

10-0570
PERMIT NO. 984377
DATE PAID: 11/2/10
FEE PAID: 1510.00
RECEIPT #: 1523776

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: TRAVIS WILLIAMS

352-283-2002

AGENT: ANDREWS SITE PREPTELEPHONE: 386-867-0323MAILING ADDRESS: 8230 SW SR 121 LK BUTLER FL 32054

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 10 BLOCK: _____ SUBDIVISION: TRIANGLE PARK PLATTED: 3-6-78
A PART OF

PROPERTY ID #: 20-3547-05369-004 ZONING: RES I/M OR EQUIVALENT: ☐ Y ☒ N

PROPERTY SIZE: .27 ACRES WATER SUPPLY: ☐ PRIVATE PUBLIC ☒ <=2000GPD ☒ >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y ☒ N DISTANCE TO SEWER: NA FT

PROPERTY ADDRESS: NE GUM SWAMP RD LK CITY

DIRECTIONS TO PROPERTY: MARION ST NORTH TO GUM SWAMP RD
RIGHT TO PROPERTY ON LEFT

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	<u>SFR</u>	<u>3</u>	<u>1250</u>	
2				
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) _____

SIGNATURE: BY BUD SEPTIC LLCDATE: 10/05/10



**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIREMENTS**

6-25-09

**MINIMUM PLAN REQUIREMENTS FOR THE
FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS
with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007
FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009. ALL PLANS OR DRAWINGS SHALL
PROVIDE 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 SPEEDS ARE PER
FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind
speed map) SHALL BE USED.**

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

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH

ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH

NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Items to Include-
Each Box shall be
Circled as
Applicable

			Yes	No	N/A
1	Two (2) complete sets of plans containing the following:		☒		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void		☒		
3	Condition space (Sq. Ft.)	Total (Sq. Ft.) under roof			

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	☒		
5	Dimensions of all building set backs	☒		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	☒		
7	Provide a full legal description of property.	☒		

Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIII	IIII	IIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifi ally designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys	✓		
18	Location and size of skylights with Florida Product Approval	✓		
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade			
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 613.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)			
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.			
32	Assumed load-bearing value of soil Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Sub mit other approved termite protection methods. Protection shall be provided by registered termiticides	✓		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	✓		

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	✓		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	✓		
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers	✓		
42	Attachment of joist to girder	✓		
43	Wind load requirements where applicable	✓		
44	Show required under-floor crawl space	✓		

45	Show required amount of ventilation opening for under-floor spaces	✓		
46	Show required covering of ventilation opening	✓		
47	Show the required access opening to access to under-floor spaces	✓		
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & interior of the areas structural panel sheathing	✓		
49	Show Draftstopping, Fire caulking and Fire blocking	✓		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309	✓		
51	Provide live and dead load rating of floor framing systems (psf).	✓		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	✓		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	✓		
67	Valley framing and support details	✓		
68	Provide dead load rating of rafter system	✓		

FBCR Table 602.3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	☒		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	☒		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	☒		
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	☒		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	☒		
74	Attic space	☒		
75	Exterior wall cavity	☒		
76	Crawl space	☒		

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	☒		
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	☒		
79	Show clothes dryer route and total run of exhaust duct	☒		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	☒		
81	Show the location of water heater	☒		

Private Potable Water

82	Pump motor horse power	☒		
83	Reservoir pressure tank gallon capacity	☒		
84	Rating of cycle stop valve if used	☒		

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	✓		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	✓		
87	Show the location of smoke detectors & Carbon monoxide detectors	✓		
88	Show service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	✓		
90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter , Protection device.	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058			
95	City of Lake City A permit showing an approved waste water sewer tap			
96	Toilet facilities shall be provided for all construction sites			
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			

98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations	✓		
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			
100	A development permit will also be required. Development permit cost is \$50.00			
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

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			
1. Swinging	Masonite	Exterior Door	FL4334-RY
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	YKK	Window	FL8114-R1
2. Horizontal Slider			
3. Casement			
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			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Owens Corning	Shingles	FL10674-R2
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal			
Rf 5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Residential System Sizing Calculation

Summary

Eli Samper

Project Title:

1010078InnovativeHomeBuildersSamperRes

Lake City, FL

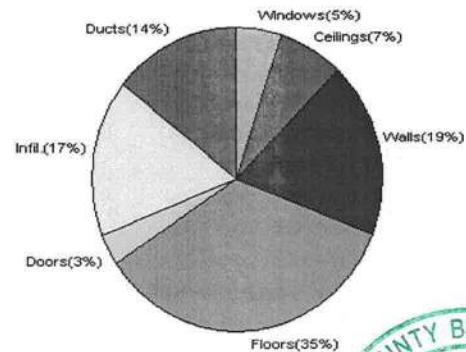
11/9/2010

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature(MJ8 99%)	33 F	Summer design temperature(MJ8 99%)	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	20424 Btuh	Total cooling load calculation	19652 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.5 24000	Sensible (SHR = 0.75)	114.9 18000
Heat Pump + Auxiliary(0.0kW)	117.5 24000	Latent	150.5 6000
		Total (Electric Heat Pump)	122.1 24000

WINTER CALCULATIONS

Winter Heating Load (for 1250 sqft)

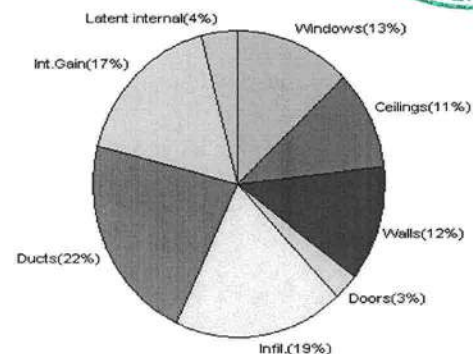
Load component		Load	
Window total	82 sqft	1066	Btuh
Wall total	1162 sqft	3815	Btuh
Door total	47 sqft	691	Btuh
Ceiling total	1250 sqft	1473	Btuh
Floor total	1250 sqft	7073	Btuh
Infiltration	83 cfm	3376	Btuh
Duct loss		2931	Btuh
Subtotal		20424	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		20424	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1250 sqft)

Load component		Load	
Window total	82 sqft	2494	Btuh
Wall total	1162 sqft	2423	Btuh
Door total	47 sqft	523	Btuh
Ceiling total	1250 sqft	2070	Btuh
Floor total		0	Btuh
Infiltration	67 cfm	1241	Btuh
Internal gain		3320	Btuh
Duct gain		3593	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		15664	Btuh
Latent gain(ducts)		751	Btuh
Latent gain(infiltration)		2436	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		800	Btuh
Total latent gain		3988	Btuh
TOTAL HEAT GAIN		19652	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY:

DATE: 11/9/2010 ELI SAMPER

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Eli Samper

Project Title:

1010078InnovativeHomeBuildersSamperRes

Lake City, FL

Building Type: User

11/9/2010

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)
This calculation is for Worst Case. The house has been rotated 135 degrees.

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	HTM=	Load
1	2, NFRC 0.35	Metal	0.35	SE	9.0		12.9	117 Btuh
2	2, NFRC 0.35	Metal	0.35	SE	13.3		12.9	173 Btuh
3	2, NFRC 0.35	Metal	0.35	SW	30.0		12.9	388 Btuh
4	2, NFRC 0.35	Metal	0.35	NW	15.0		12.9	194 Btuh
5	2, NFRC 0.35	Metal	0.35	NW	15.0		12.9	194 Btuh
	Window Total				82.3(sqft)			1066 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	183		3.28	601 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	403		3.28	1325 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	162		3.28	532 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	413		3.28	1357 Btuh
	Wall Total				1162(sqft)			3815 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior, n		(0.400)		7		14.8	99 Btuh
2	Insulated - Exterior, n		(0.400)		20		14.8	296 Btuh
3	Insulated - Exterior, n		(0.400)		20		14.8	296 Btuh
	Door Total				47(sqft)			691Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shing		(0.032)	30.0/0.0	1250		1.2	1473 Btuh
	Ceiling Total				1250(sqft)			1473Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	162.0 ft(perim.)		43.7	7073 Btuh
	Floor Total				1250 sqft			7073 Btuh
	Envelope Subtotal:							14118 Btuh
Infiltration	Type		ACH	Volume(cuft)	Wall Ratio		CFM=	Load
	Natural		0.50	10000	1.00		83.3	3376 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.168)							2931 Btuh
All Zones	Sensible Subtotal All Zones							20424 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Eli Samper

Project Title:

1010078InnovativeHomeBuildersSamperRes

Lake City, FL

Building Type: User

11/9/2010

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	20424 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	20424 Btuh

EQUIPMENT

1. Electric Heat Pump	#	24000 Btuh
-----------------------	---	------------

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)

U - (Window U-Factor)

HTM - (ManualJ Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Eli Samper

Project Title:

1010078InnovativeHomeBuildersSamperRes

Lake City, FL

11/9/2010

Reference City: Gainesville, FL

Temperature Difference: 17.0F(MJ8 99%)

Humidity difference: 54gr.

This calculation is for Worst Case. The house has been rotated 135 degrees.

Component Loads for Whole House

Window	Type*					Overhang		Window Area(sqft)			HTM		Load
	Panes	SHGC	U	InSh	IS Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2 NFRC	0.35, 0.35	No	No	SE	9.5ft	1.0ft	9.0	9.0	0.0	13	31	120 Btuh
2	2 NFRC	0.35, 0.35	No	No	SE	9.5ft	1.0ft	13.3	13.3	0.0	13	31	177 Btuh
3	2 NFRC	0.35, 0.35	No	No	SW	1.5ft	1.0ft	30.0	8.8	21.2	13	31	775 Btuh
4	2 NFRC	0.35, 0.35	No	No	NW	0.0ft	0.0ft	15.0	0.0	15.0	13	29	442 Btuh
5	2 NFRC	0.35, 0.35	No	No	NW	6.5ft	1.0ft	15.0	0.0	15.0	13	29	442 Btuh
	Excursion												538 Btuh
	Window Total							82 (sqft)					2494 Btuh
Walls	Type	U-Value		R-Value		Area(sqft)		HTM		Load			
					Cav/Sheath								
1	Frame - Wood - Ext		0.09		13.0/0.0		183.0		2.1		382 Btuh		
2	Frame - Wood - Ext		0.09		13.0/0.0		403.3		2.1		841 Btuh		
3	Frame - Wood - Ext		0.09		13.0/0.0		162.0		2.1		338 Btuh		
4	Frame - Wood - Ext		0.09		13.0/0.0		413.3		2.1		862 Btuh		
	Wall Total						1162 (sqft)			2423 Btuh			
Doors	Type	Area (sqft)		HTM		Load							
1	Insulated - Exterior		6.7		11.2		75 Btuh						
2	Insulated - Exterior		20.0		11.2		224 Btuh						
3	Insulated - Exterior		20.0		11.2		224 Btuh						
	Door Total						47 (sqft)		523 Btuh				
Ceilings	Type/Color/Surface	U-Value		R-Value		Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle		0.032		30.0/0.0		1250.0		1.66		2070 Btuh		
	Ceiling Total						1250 (sqft)			2070 Btuh			
Floors	Type	R-Value		Size		HTM		Load					
1	Slab On Grade		0.0		1250 (ft-perimeter)		0.0		0 Btuh				
	Floor Total						1250.0 (sqft)			0 Btuh			
	Envelope Subtotal:											7510 Btuh	
Infiltration	Type	ACH		Volume(cuft)		Wall Ratio		CFM=		Load			
	SensibleNatural												
			0.40		10000		1162		83.3		1241 Btuh		
Internal gain		Occupants		Btuh/occupant		Appliance		Load					
			4		X 230		+		2400		3320 Btuh		
	Sensible Envelope Load:											12071 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)						(DGM of 0.298)				3593 Btuh		
	Sensible Load All Zones											15664 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Eli Samper

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
1010078InnovativeHomeBuildersSamperRes

Lake City, FL

11/9/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	12071 Btuh
	Sensible Duct Load	3593 Btuh
	Total Sensible Zone Loads	15664 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15664 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2436 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	751 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	3988 Btuh
	TOTAL GAIN	19652 Btuh

EQUIPMENT

1. Central Unit	#	24000 Btuh
-----------------	---	------------

*Key: Window types (Panels - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)



Version 8

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 1010078InnovativeHomeBuildersSamperRes
 Street:
 City, State, Zip: Lake City, FL,
 Owner: Eli Samper
 Design Location: FL, Gainesville

Builder Name: Innovative Home Builders
 Permit Office:
 Permit Number:
 Jurisdiction:

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft ²)	1250	
7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.35	82.33 ft ²
SHGC:	SHGC=0.35	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1250.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1290.70 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1250.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 250 ft ²		
12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 13	
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.7	
14. Hot water systems		
a. Electric	Cap: 40 gallons	
	EF: 0.92	
b. Conservation features		
None		
15. Credits		None

Glass/Floor Area: 0.066

Total As-Built Modified Loads: 25.70

Total Baseline Loads: 31.47

PASS

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

PREPARED BY:

DATE: 11/9/2010 EVAN BERNISLEY

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:



PROJECT

Title:	1010078InnovativeHomeBuild	Bedrooms:	3	Address Type:	Street Address
Building Type:	FLAsBuilt	Conditioned Area:	1250	Lot #	
Owner:	Eli Samper	Total Stories:	1	SubDivision:	
# of Units:	1	Worst Case:	Yes	PlatBook:	
Builder Name:	Innovative Home Builders	Rotate Angle:	180	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	162 ft	0	1250 ft²	0.4	0	0.6

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	1354 ft²	0 ft²	Dark	0.96	No	0	22.6 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1250 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1250 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	212 ft²		0.23	0.75
_____	2	E	Exterior	Frame - Wood	13	433.33 ft²		0.23	0.75
_____	3	S	Exterior	Frame - Wood	13	212 ft²		0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	433.33 ft²		0.23	0.75

DOORS													
✓	#	Ornt	Door Type		Storms	U-Value	Area						
_____	1	N	Insulated		None	0.400000	6.666666						
_____	2	S	Insulated		None	0.400000	20 ft²						
_____	3	W	Insulated		None	0.400000	20 ft²						

WINDOWS													
Orientation shown is the entered orientation (=>) changed to Worst Case.													
✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth Separation		Int Shade	Screening
_____	1	N=>S	Metal	Low-E Double	Yes	0.35	0.35	N	9 ft²	9 ft 6 in	1 ft 0 in	HERS 2006	None
_____	2	N=>S	Metal	Low-E Double	Yes	0.35	0.35	N	13.33333	9 ft 6 in	1 ft 0 in	HERS 2006	None
_____	3	E=>W	Metal	Low-E Double	Yes	0.35	0.35	N	30 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	4	S=>N	Metal	Low-E Double	Yes	0.35	0.35	N	15 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	5	S=>N	Metal	Low-E Double	Yes	0.35	0.35	N	15 ft²	6 ft 6 in	1 ft 0 in	HERS 2006	None

INFILTRATION & VENTING											
✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	--- Forced Ventilation --- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts	
_____	Default	0.00036	1180	7.08	64.8	121.9	0 cfm 0 cfm		0	0	

COOLING SYSTEM								
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
_____	1	Central Unit	None	SEER: 13	24 kBtu/hr	720 cfm	0.75	sys#1

HEATING SYSTEM							
✓	#	System Type	Subtype	Efficiency	Capacity	Ducts	
_____	1	Electric Heat Pump	None	HSPF: 7.7	24 kBtu/hr	sys#1	

HOT WATER SYSTEM							
✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM							
✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS												
✓	#	--- Supply --- Location R-Value Area			--- Return --- Location Area		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	250 ft²	Attic	62.5 ft²	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: None

Ceiling Fans:

Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours											
		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:

Lake City, FL,

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

The lower the EnergyPerformance Index, the more efficient the home.

, Lake City, FL,

1. New construction or existing	New (From Plans)		9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family		a. Frame - Wood, Exterior	R=13.0	1290.70 ft ²
3. Number of units, if multiple family	1		b. N/A	R=	ft ²
4. Number of Bedrooms	3		c. N/A	R=	ft ²
5. Is this a worst case?	Yes		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1250		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	1250.00 ft ²
a. U-Factor:	DbI, U=0.35	82.33 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.35		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 250 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 24.0 kBtu/hr	SEER: 13
d. U-Factor:	N/A	ft ²	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 24.0 kBtu/hr	HSPF: 7.7
e. U-Factor:	N/A	ft ²	14. Hot water systems		
SHGC:			a. Electric	Cap: 40 gallons	EF: 0.92
8. Floor Types	Insulation	Area	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	1250.00 ft ²	None		
b. N/A	R=	ft ²	15. Credits		None
c. N/A	R=	ft ²			

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 Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com 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.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

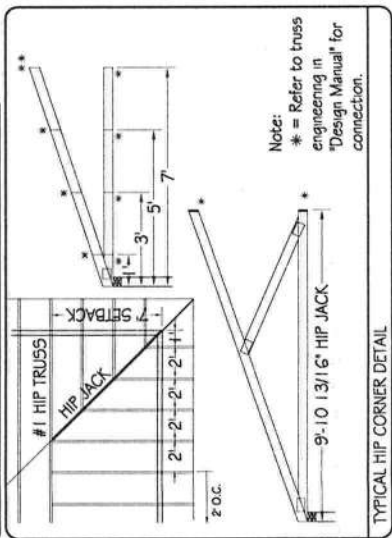
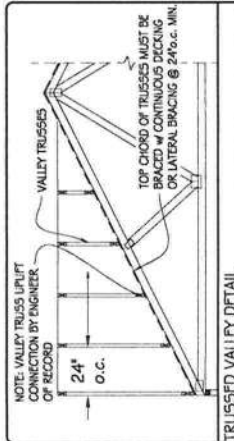
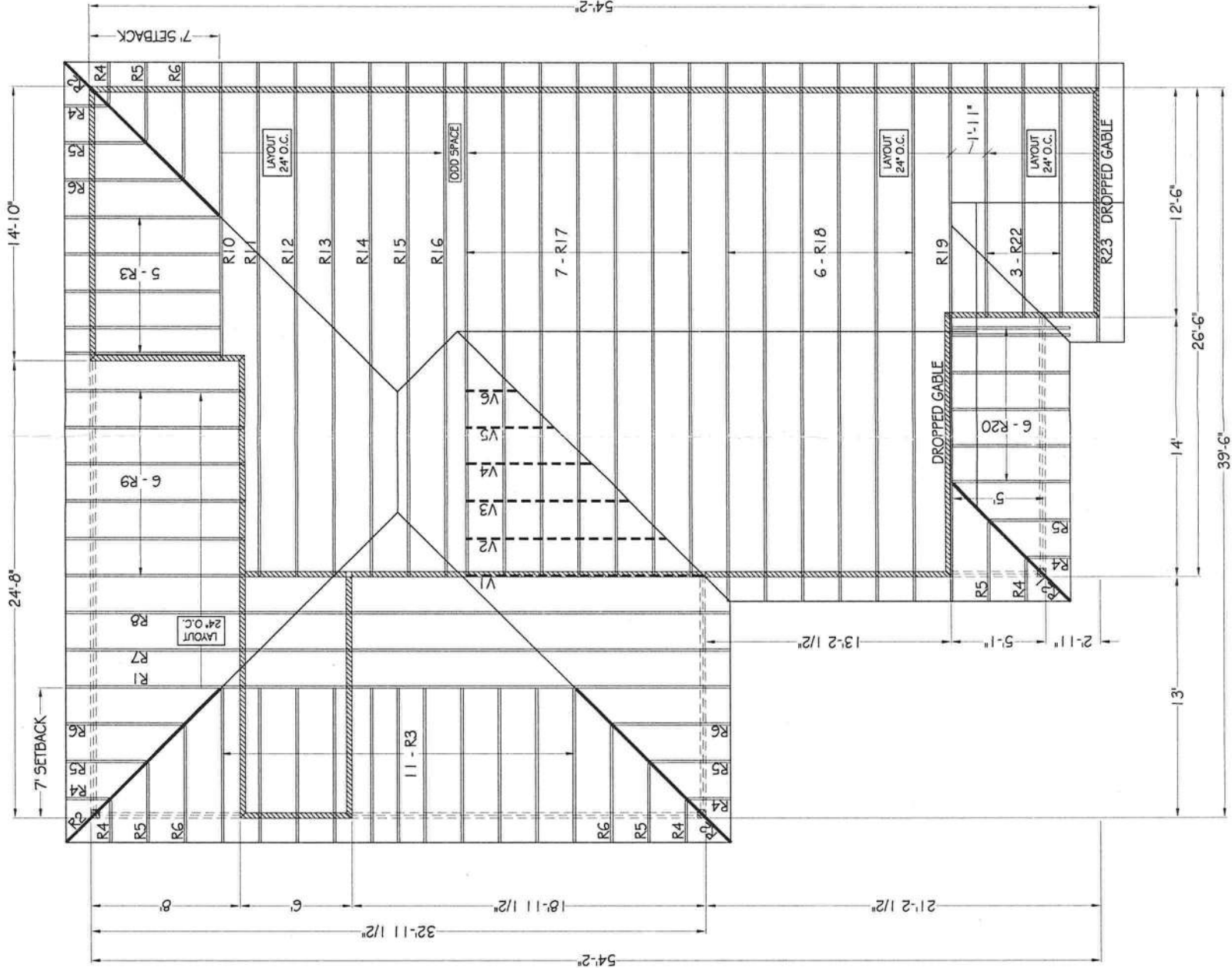
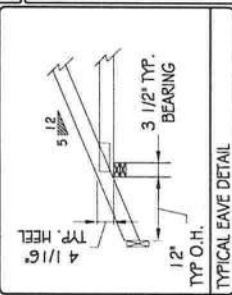
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DATE:	11/02/10	
DESIGN:	JP	
CAD:	ILR	
SALESMAN:	MIKE WELDON	

⚠️ "DISCLAIMER" ⚠️

PLUMBING / HVAC OPENINGS
ARE THE RESPONSIBILITY OF
THE CONTRACTOR OR OWNER
TO VERIFY ALL LOCATIONS
BEFORE BUILDING TRUSSES
AND SETTING TRUSSES.

⚠ "ATTENTION" ⚠

1. LIMITED RESPONSIBILITY OF ROOF TRUSS MANUFACTURERS. SEE WTA 1-1-1995, SECTION 6.0. FOUND IN DESIGN MANUAL.
2. WARNING FAILURE TO FOLLOW RECOMMENDATIONS IN "BCS1". MAY RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE. SEE: W6/BCS1/STRUCTURAL/COMP/COMP/06/BCS1 BOOKLET: FINAL.PDF
3. CUSTOMER TO VERIFY ALL DIMENSIONS, BEARING HEIGHTS, FITCHES AND ALL INFORMATION REGARDING THE DESIGN AND FABRICATION OF TRUSS SYSTEM.
4. DO NOT OVERLOAD TRUSSES WITH SHEETROCK / SHEATHING OR OTHER BUILDING MATERIALS.
5. TRUSSES ARE NOT MARKED IN ANY WAY TO IDENTIFY THE FREQUENCY, OR LOCATION OF TEMPORARY BRACING. ALL TEMPORARY BRACING SHALL COMPLY WITH THE LATEST EDITION OF BCS1-B) PUBLISHED BY THE TRUSS PLATE INSTITUTE FOUND IN THE DESIGN MANUAL.
6. NON-LOAD BEARING WALLS TO BE SINGLE TOP PLATED, TO PREVENT LOAD TRANSFER TO THESE WALLS. A 1x4 MAY BE USED AS SECOND TOP PLATE.



Ridgway Roof Truss Company

(Trusses and Prefabricated Building Components)

Mailing: P.O. Box 1309 – Gainesville, Florida 32602
Physical: 235 SW 11th Place – Gainesville, Florida 32601

Telephone: (352) 376-4436
FAX: (352) 371-3316

Email: Sales@RidgwayTruss.com
www.RidgwayTruss.com

WARNING



**THESE TRUSSES MUST BE
HANDLED AND ERECTED
ACCORDING TO BCSI
SUMMARY SHEETS**

http://www.sbcindustry.docs/06_bcsi_booklet_final.pdf

SEE TABLE OF CONTENTS

SEALED

DESIGN MANUAL

PROJECT NAME: Stamper Residence

JOB NUMBER: 10-0786

CONTRACTOR: DWC Contracting

DATE: 11/04/2010 jrt

REVISIONS: _____

COMMENTS: _____



Important Notice: If visually graded lumber is used for the trusses covered by these designs, see "SPIB Important Notice, Dated July 28, 2010" (reprinted at www.mitek.com) before use. MiTek does not warrant third-party lumber design values.

RE: 100786 -

MiTek Industries, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: DWC Contracting Project Name: Stamper Residence Model: -
Lot/Block: - Subdivision: -
Address: -
City: Lake City State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2007 Design Program: OnLine Plus 27.5.019
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 37.0 psf

This package includes 29 individual, dated Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T3917393	R1	11/4/010	18	T3917410	R18	11/4/010
2	T3917394	R2	11/4/010	19	T3917411	R19	11/4/010
3	T3917395	R3	11/4/010	20	T3917412	R20	11/4/010
4	T3917396	R4	11/4/010	21	T3917413	R21	11/4/010
5	T3917397	R5	11/4/010	22	T3917414	R22	11/4/010
6	T3917398	R6	11/4/010	23	T3917415	R23	11/4/010
7	T3917399	R7	11/4/010	24	T3917416	V1	11/4/010
8	T3917400	R8	11/4/010	25	T3917417	V2	11/4/010
9	T3917401	R9	11/4/010	26	T3917418	V3	11/4/010
10	T3917402	R10	11/4/010	27	T3917419	V4	11/4/010
11	T3917403	R11	11/4/010	28	T3917420	V5	11/4/010
12	T3917404	R12	11/4/010	29	T3917421	V6	11/4/010
13	T3917405	R13	11/4/010				
14	T3917406	R14	11/4/010				
15	T3917407	R15	11/4/010				
16	T3917408	R16	11/4/010				
17	T3917409	R17	11/4/010				

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Ridgway Roof Trusses.

Truss Design Engineer's Name: Albani, Thomas

My license renewal date for the state of Florida is February 28, 2011.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.



FL Cert. 6634

November 4, 2010

Albani, Thomas

1 of 1

Table of Contents

1.General Notes

**2.WTCA 1-1995 (Standard Responsibilities
in the Design Process involving Metal
Plate Connected Wood Trusses)**

3.Engineering (insert)

4.Layout of Truss Placement Plan (insert)

**5. Jobsite Package w/ BCSI B-1, B-2, B-3
and B-4(Handling, Installing and Bracing
Information)**

http://www.sbcindustry.com/docs/06_bcsi_booklet_final.pdf

6.Standard Chord and Web Repairs

7.Examples of Permanent Web Bracing



Wood Truss Council of America

5937 Meadowood Dr., Ste. 14 • Madison, WI 53711-4125 • 608/274-3329 (fax)

**Standard Responsibilities
in the Design Process
Involving Metal Plate
Connected Wood Trusses**

WTCA 1-1995

Developed by the WTCA Engineering Review Committee
in cooperation with the Truss Plate Institute

2.0 OWNER RESPONSIBILITIES

- 2.1 Directly or through its representatives, which may include the Contractor and/or Building Designer; (a) review and approve each Truss Design Drawing; (b) review and approve the Truss Placement Plan; (c) resolve and approve all design issues arising out of the preparation of each Truss Design Drawing and Truss Placement Plan; and (d) coordinate the return of each approved Truss Design Drawing and Truss Placement Plan to the Truss Manufacturer prior to truss manufacturing.

3.0 BUILDING DESIGNER RESPONSIBILITIES

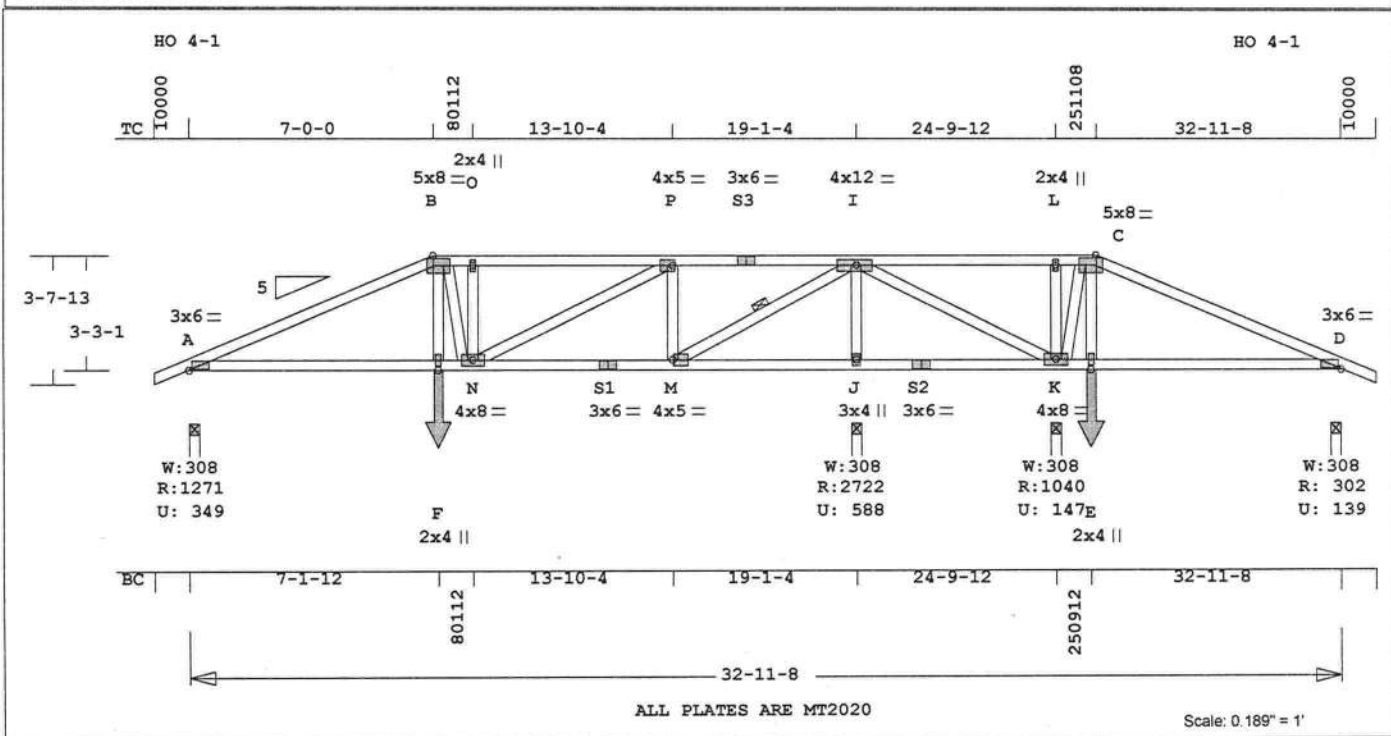
- 3.1 Design a structure suitable to ensure that the intended function of each Truss is not affected by adverse influences including, but not limited to, moisture, temperature, corrosive chemicals and gases;
- 3.2 Prepare the Construction Design Documents, showing all trussed areas, which must provide as a minimum the following:
- 3.2.1 All truss orientations and locations;
 - 3.2.2 Information to fully determine all truss profiles;
 - 3.2.3 Adequate support of the Truss and all truss bearing conditions;
 - 3.2.4 Permanent bracing design for the structure including the Trusses, except as provided in 3.4 and 6.2.12.
 - 3.2.5 The location, direction and magnitude of all dead and live loads applicable to each Truss including, but not limited to, loads attributable to: roof, floor, partition, mechanical, fire sprinkler, attic, storage, wind, snow drift and seismic;
 - 3.2.6 All Truss anchorage designs required to resist uplift, gravity, and lateral loads;
 - 3.2.7 Allowable vertical and horizontal deflection criteria;
 - 3.2.8 Proper transfer of design loads affecting the Truss; and
 - 3.2.9 Adequate connections between Truss and non-Truss components, except as noted in Section 6.2.9.
- 3.3 Review and approve the Truss Placement Plan and each Truss Design Drawing for conformance with the requirements and intent of the Construction Design Documents, the effect of each Truss Design Drawing and Truss Placement Plan on other parts of the structure, and the effect of the structure on each Truss.
- 3.4 Specify permanent lateral bracing where indicated by the Truss Designer on the Truss Design Drawings, to prevent buckling of the individual truss members due to design loads. The Building Designer shall specify how the permanent lateral bracing is to be anchored or restrained to prevent lateral movement if all truss members, so braced, buckle together. This shall be accomplished by: (a) anchorage to solid end walls; (b) permanent diagonal bracing in the plane of the web members; or (c) other means when demonstrated by the Building Designer to provide equivalent bracing.

4.0 CONTRACTOR RESPONSIBILITIES

- 4.1 Provide to the Truss Manufacturer the Construction Design Documents and all revisions and supplements thereto.
- 4.2 Review and approve the Truss Placement Plan and each Truss Design Drawing for conformance with the requirements and intent of the Construction Design Documents, and the effect of the Truss Placement Plan and each Truss Design Drawing on other trades involved in the construction of the structure and the effect of the other trades on the Trusses.
- 4.3 Coordinate the review, approval and return of each Truss Design Drawing and the Truss Placement Plan by the Owner and Building Designer.
- 4.4 Provide the approved Truss Design Drawings, approved Truss Placement Plans, and any supplemental information provided by the Truss Manufacturer to the individual or organization responsible for the installation of the Trusses.
- 4.5 Comply with the field storage, handling, installation, permanent bracing, anchorage, connections and field assembly requirements of the Construction Design Documents.
- 4.6 Determine and install the temporary bracing for the structure, including the Trusses.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	R1	1	HIPP	321108	5	1- 0- 0	1- 0- 0	T3917393

Stamper Residence



Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- Lumber--
TC 0.77 2x 4 SP-#2
BC 0.58 2x 4 SP-#2
WB 0.89 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 32-11- 8
BC Cont. 0- 0- 0 32-11- 8
One Continuous Lateral Brace
M - I
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (lbs)
Jt Down Uplift Horiz
A 1271 349 U 55 R
J 2723 589 U
K 1040 147 U
D 303 140 U 55 R

Jt Brg Size Required
A 3.5" 1.5"
J 3.5" 2.9"
K 3.5" 1.5"
D 3.5" 1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 14 40 0.0' 33.0'
BC V 20 0 0.0' 33.0'
TC V 18 50 7.0' 26.0'
BC V 25 0 7.1' 25.8'
BC V 238 280 7.1' CL-LB
BC V 238 280 25.8' CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UEC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.60 2456 C 0.26 0.34
B -O 0.57 2361 C 0.26 0.31
O -P 0.64 2361 C 0.04 0.60
P -S3 0.61 1443 C 0.01 0.60
S3-I 0.74 1443 C 0.01 0.73
I -L 0.77 251 T 0.04 0.73
L -C 0.55 251 T 0.04 0.51
C -D 0.44 266 T 0.03 0.41

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 205.4 LBS

-----Bottom Chords-----
A -F 0.57 2269 T 0.41 0.16
F -N 0.58 2239 T 0.41 0.17
N -S1 0.48 1443 T 0.15 0.33
S1-M 0.51 1443 T 0.15 0.36
M -J 0.45 988 C 0.00 0.45
J -S2 0.45 988 C 0.00 0.45
S2-K 0.33 988 C 0.00 0.33
K -E 0.35 123 C 0.00 0.35
E -D 0.35 160 C 0.00 0.35
-----Webs-----
F -B 0.18 579 T
B -N 0.13 420 T
N -O 0.14 693 C
O -P 0.48 1033 T
M -P 0.23 1138 C
M -I 0.89 2793 T 1 Br
J -I 0.51 2450 C
I -K 0.41 830 T
K -L 0.11 558 C
K -C 0.20 837 T
E -C 0.22 719 C

TL Defl -0.12" in E -D L/744
LL Defl -0.05" in E -D L/999
Shear // Grain in I -L 0.47

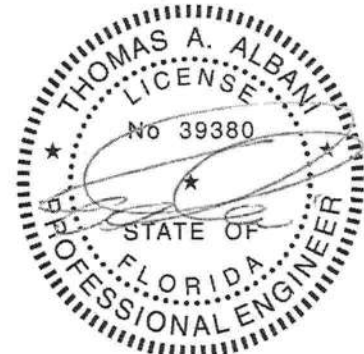
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 Ctr Ctr 0.84
B MT20 5.0x 8.0 Ctr Ctr 0.53
O MT20 2.0x 4.0 Ctr Ctr 0.35
P MT20 4.0x 5.0 Ctr Ctr 0.45
S3 MT20 3.0x 6.0 Ctr Ctr 0.39
I MT20 4.0x12.0-0.5 Ctr 0.90
L MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 5.0x 8.0 Ctr Ctr 0.52
D MT20 3.0x 6.0 Ctr Ctr 0.46
F MT20 2.0x 4.0 Ctr Ctr 0.47
N MT20 4.0x 8.0 Ctr Ctr 0.50
S1 MT20 3.0x 6.0 Ctr Ctr 0.67
M MT20 4.0x 5.0 1.0 Ctr 0.92
J MT20 3.0x 4.0 Ctr Ctr 0.82
S2 MT20 3.0x 6.0 Ctr Ctr 0.39
K MT20 4.0x 8.0 Ctr Ctr 0.48
E MT20 2.0x 4.0 Ctr Ctr 0.64

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002

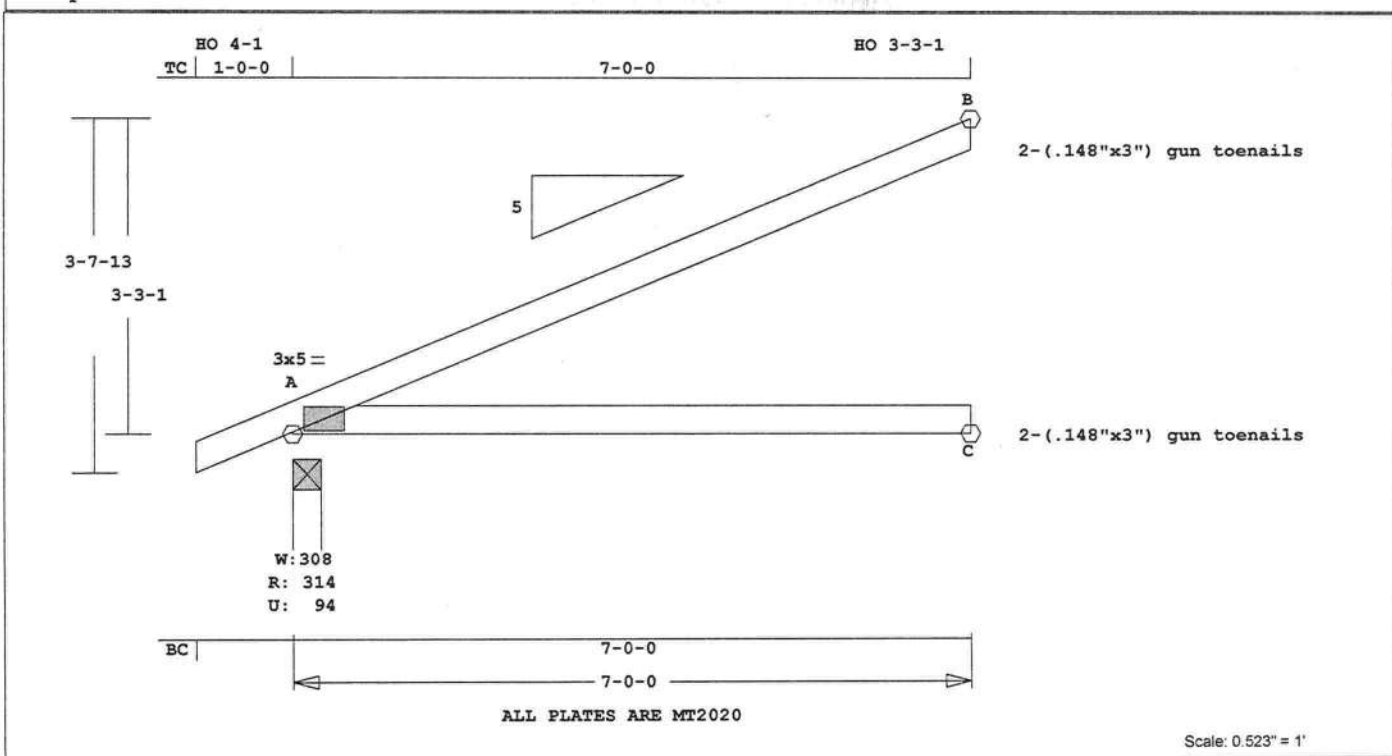
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 19- 1- 4
24- 9-12 32-11- 8
Max comp. force 2456 lbs
Max tens. force 2793 lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

November 4, 2010

Job 100786	Mark R3	Quan 16	Type JACK	Span 70000	P1-H1 5	Left OH 1- 0- 0	Right OH 0	Engineering T3917395
Stamper Residence								



Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ----Lumber-----
TC 0.63 2x 4 SP-#2
BC 0.65 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 7- 0- 0
BC Cont. 0- 0- 0 7- 0- 0

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 314 95 U 84 R
C 128 39 U
B 176 85 U 60 R

Jt Brg Size Required
A 3.5" 1.5"
C 3.5" 1.5"
B 3.5" 1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -B 0.63 148 C 0.00 0.63
-----Bottom Chords-----
A -C 0.65 0 T 0.00 0.65

TL Defl -0.17" in A -C L/448
LL Defl -0.07" in A -C L/999
Shear // Grain in A -B 0.30

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 29.8 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.49

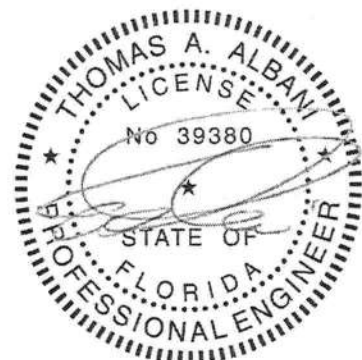
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2005
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf

BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 7- 0- 0
Max comp. force 148 Lbs
Max tens. force 37 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

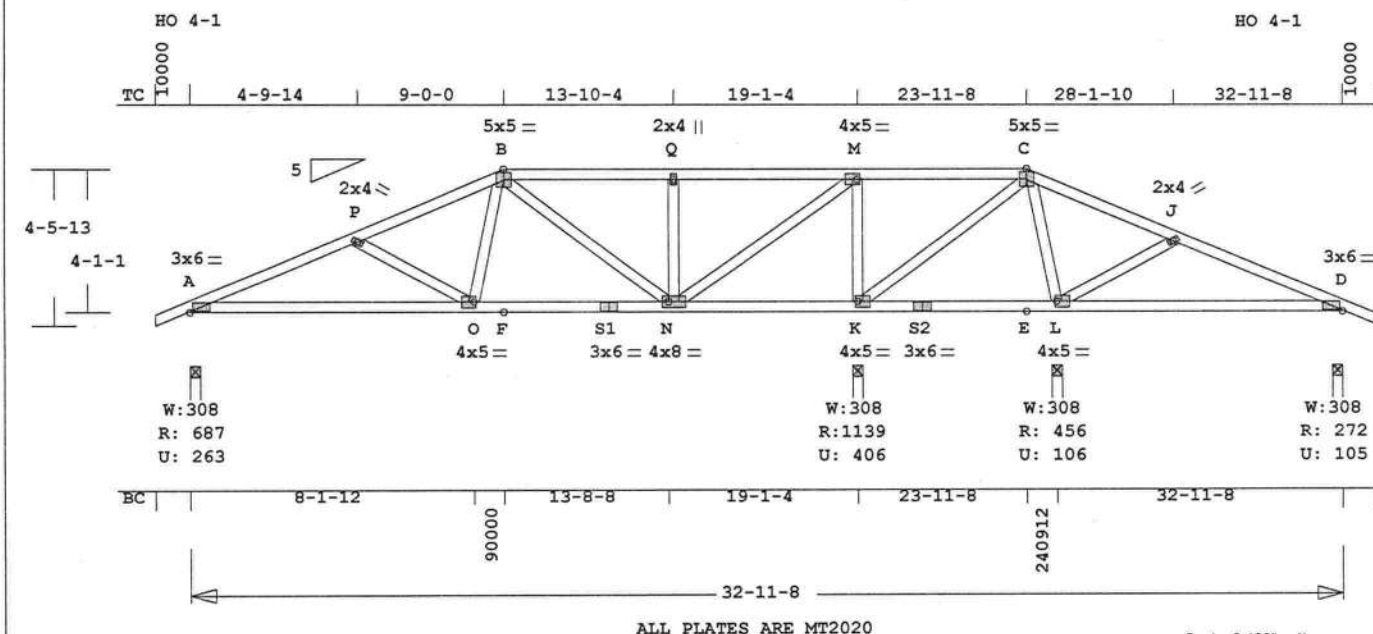


FL Cert. 6634

November 4, 2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	R7	1	HIPP	321108	5	1- 0- 0	1- 0- 0	T3917399

Stamper Residence



ALL PLATES ARE MT2020

Scale: 0.189" = 1'

Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ---Lumber---
TC 0.35 2x 4 SP-#2
BC 0.38 2x 4 SP-#2
WB 0.76 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 32-11- 8
BC Cont. 0- 0- 0 32-11- 8

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 687 264 U 72 R
K 1139 406 U
L 456 106 U
D 273 105 U 72 R

Jt Brg Size Required
A 3.5" 1.5"
K 3.5" 1.5"
L 3.5" 1.5"
D 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -P 0.35 1216 T 0.15 0.20
B -P 0.29 1012 T 0.13 0.16
B -Q 0.22 579 T 0.00 0.22
Q -M 0.26 579 T 0.00 0.26
M -C 0.32 366 T 0.06 0.26
C -J 0.23 199 T 0.02 0.21
J -D 0.26 159 T 0.01 0.25
-----Bottom Chords-----
A -O 0.38 1083 C 0.10 0.28
O -S1 0.35 712 T 0.07 0.28
S1 -N 0.19 712 T 0.07 0.12
N -K 0.17 519 T 0.06 0.11
K -S2 0.14 262 T 0.00 0.14
S2 -L 0.29 262 T 0.00 0.29
L -D 0.29 116 C 0.00 0.29

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 206.5 LBS

-----Webs-----
P -O 0.09 351 T
O -B 0.11 417 C
B -N 0.22 419 T
N -Q 0.08 287 C
N -M 0.76 1076 C
K -M 0.25 885 C
K -C 0.17 350 T
C -L 0.04 144 C
L -J 0.10 399 T

TL Defl -0.15" in L -D L/598
LL Defl -0.07" in L -D L/999
Shear // Grain in M -C 0.20

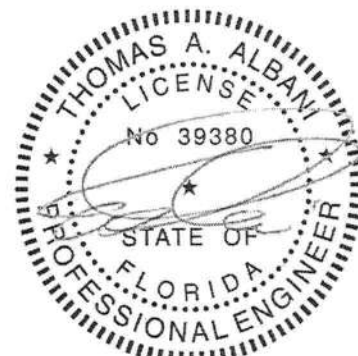
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 Ctr Ctr 0.45
P MT20 2.0x 4.0 Ctr Ctr 0.28
B MT20 5.0x 5.0 Ctr Ctr 0.51
Q MT20 2.0x 4.0 Ctr Ctr 0.34
M MT20 4.0x 5.0 Ctr Ctr 0.45
C MT20 5.0x 5.0 Ctr Ctr 0.51
J MT20 2.0x 4.0 Ctr Ctr 0.27
D MT20 3.0x 6.0 Ctr Ctr 0.46
O MT20 4.0x 5.0 Ctr Ctr 0.26
S1 MT20 3.0x 6.0 Ctr Ctr 0.39
N MT20 4.0x 8.0 Ctr Ctr 0.50
K MT20 4.0x 5.0 Ctr Ctr 0.42
S2 MT20 3.0x 6.0 Ctr Ctr 0.39
L MT20 4.0x 5.0 Ctr Ctr 0.26

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.

and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 19- 1- 4
24- 9-12 32-11- 8
Max comp. force 1106 Lbs
Max tens. force 1216 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

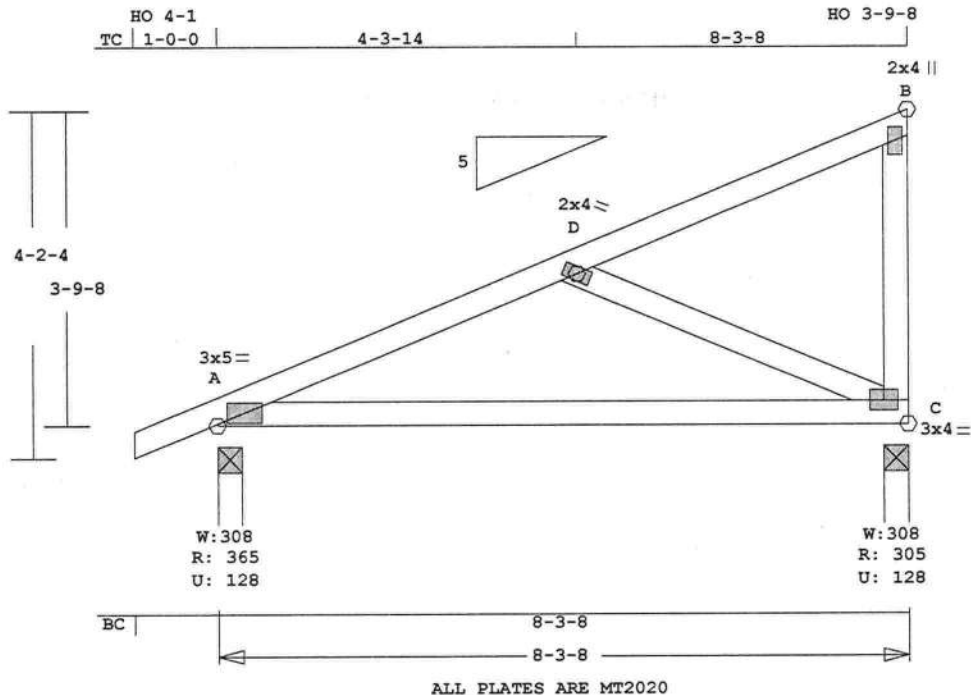


FL Cert. 6634

November 4, 2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	R9	6	MONO	80308	5	1- 0- 0	0	T3917401

Stamper Residence



Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ----Lumber----

TC	0.46	2x 4	SP-#2
BC	0.53	2x 4	SP-#2
WB	0.16	2x 4	SP-#3

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	8- 3- 8
BC	Cont.	0- 0- 0	8- 3- 8

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	366	128 U	43 R
C	306	129 U	121 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -D	0.46	449 T	0.05	0.41
D -B	0.33	50 T	0.00	0.33
-----Bottom Chords-----				
A -C	0.53	497 C	0.00	0.53
-----Webs-----				
D -C	0.16	642 T		
C -B	0.09	138 T	WindLd	

TL Defl -0.24" in A -C L/391

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 48.7 LBS
LL Defl -0.12" in A -C L/803
Shear // Grain in A -C 0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.49
D MT20 2.0x 4.0 Ctr Ctr 0.31
B MT20 2.0x 4.0 Ctr Ctr 0.13
C MT20 3.0x 4.0 Ctr Ctr 0.44

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

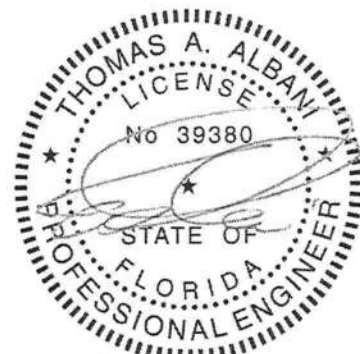
REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:

RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002

OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed

TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 8- 3- 8
Max comp. force 497 Lbs
Max tens. force 642 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

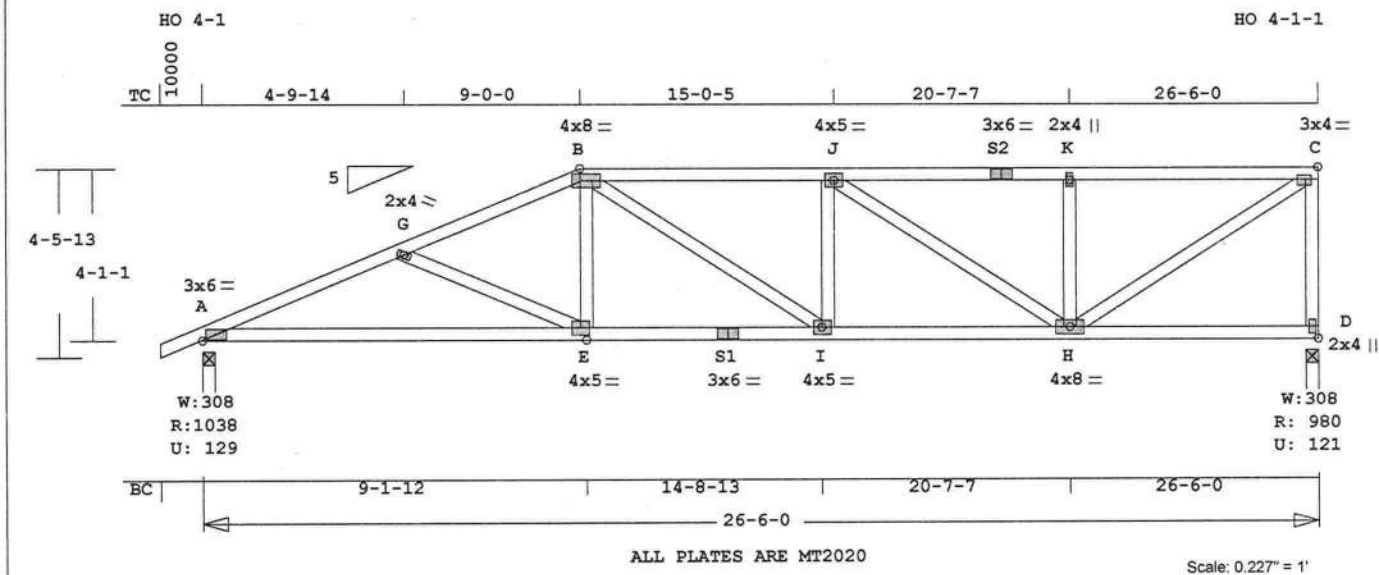


FL Cert. 6634

November 4, 2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	R11	1	HHIP	260600	5	1- 0- 0	0	T3917403

Stamper Residence



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 175.8 LBS

Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ----Lumber-----
TC 0.32 2x 4 SP-#2
BC 0.50 2x 4 SP-#2
WB 0.48 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 26- 6- 0
BC Cont. 0- 0- 0 26- 6- 0

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1039 129 U 56 R
D 980 121 U 133 R

Jt Brg Size Required
A 3.5" 1.5"
D 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -G 0.24 1956 C 0.12 0.12
G -B 0.25 1673 C 0.10 0.15
B -J 0.29 1695 C 0.01 0.28
J -S2 0.29 1204 C 0.01 0.28
S2-K 0.32 1204 C 0.01 0.31
K -C 0.32 1204 C 0.01 0.31
-----Bottom Chords-----
A -E 0.50 1809 T 0.17 0.33
E -S1 0.49 1541 T 0.16 0.33
S1-I 0.31 1541 T 0.25 0.06
I -H 0.39 1695 T 0.28 0.11
H -D 0.21 104 T 0.00 0.21
-----Webs-----

G -E 0.12 309 T
E -B 0.09 358 T
B -I 0.06 183 T
I -J 0.03 141 T
J -H 0.48 588 C
H -K 0.09 342 C
H -C 0.48 1444 T
D -C 0.26 930 C WindLd

TL Defl -0.31" in A -E L/999
LL Defl -0.13" in A -E L/999
Shear // Grain in K -C 0.24

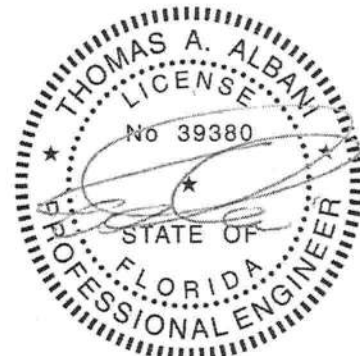
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 Ctr Ctr 0.67
G MT20 2.0x 4.0 Ctr Ctr 0.30
B MT20 4.0x 8.0 Ctr Ctr 0.58
J MT20 4.0x 5.0 Ctr Ctr 0.25
S2 MT20 3.0x 6.0 Ctr Ctr 0.39
K MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 3.0x 4.0-0.4-0.3 0.75
E MT20 4.0x 5.0 Ctr Ctr 0.25
S1 MT20 3.0x 6.0 Ctr Ctr 0.50
I MT20 4.0x 5.0 Ctr Ctr 0.25
H MT20 4.0x 8.0 Ctr Ctr 0.72
D MT20 2.0x 4.0 Ctr Ctr 0.33

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by

2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 1956 Lbs
Max tens. force 1809 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

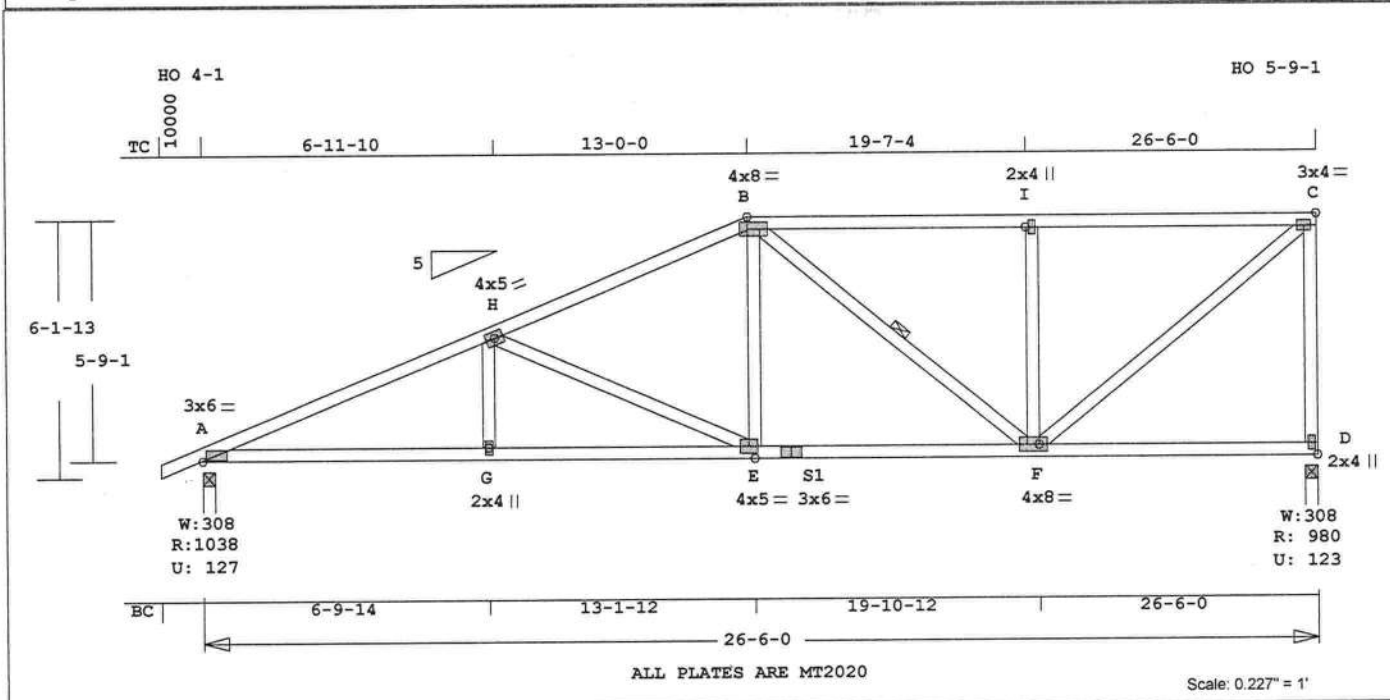


FL Cert. 6634

November 4, 2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	R13	1	HHIP	260600	5	1- 0- 0	0	T3917405

Stamper Residence



Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ---Lumber---
TC 0.49 2x 4 SP-#2
BC 0.43 2x 4 SP-#2
WB 0.69 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 26- 6- 0
BC Cont. 0- 0- 0 26- 6- 0
One Continuous Lateral Brace
B - F
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1039 127 U 82 R
D 980 123 U 193 R

Jt Brg Size Required
A 3.5" 1.5"
D 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -H 0.41 1899 C 0.11 0.30
H -B 0.38 1296 C 0.08 0.30
B -I 0.49 941 C 0.00 0.49
I -C 0.49 941 C 0.00 0.49
-----Bottom Chords-----
A -G 0.43 1758 T 0.29 0.14
G -E 0.41 1758 T 0.29 0.12
E -S1 0.31 1186 T 0.12 0.19

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 182.0 LBS

S1-F 0.40 1186 T 0.12 0.28
F -D 0.28 151 T 0.00 0.28
-----Webs-----
G -H 0.07 264 T
H -E 0.52 619 C
E -B 0.12 431 T
B -F 0.11 316 C 1 Br
F -I 0.23 429 C
F -C 0.69 1221 T
D -C 0.49 924 C WindLd

TL Defl -0.18" in G -E L/999
LL Defl -0.07" in G -E L/999
Shear // Grain in I -C 0.28

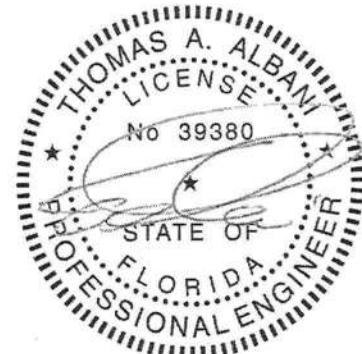
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 Ctr Ctr 0.66
H MT20 4.0x 5.0 Ctr Ctr 0.28
B MT20 4.0x 8.0 Ctr Ctr 0.58
I MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 3.0x 4.0 Ctr Ctr 0.92
G MT20 2.0x 4.0 Ctr Ctr 0.34
E MT20 4.0x 5.0 Ctr Ctr 0.25
S1 MT20 3.0x 6.0 Ctr Ctr 0.39
F MT20 4.0x 8.0 Ctr Ctr 0.62
D MT20 2.0x 4.0 Ctr Ctr 0.33

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle

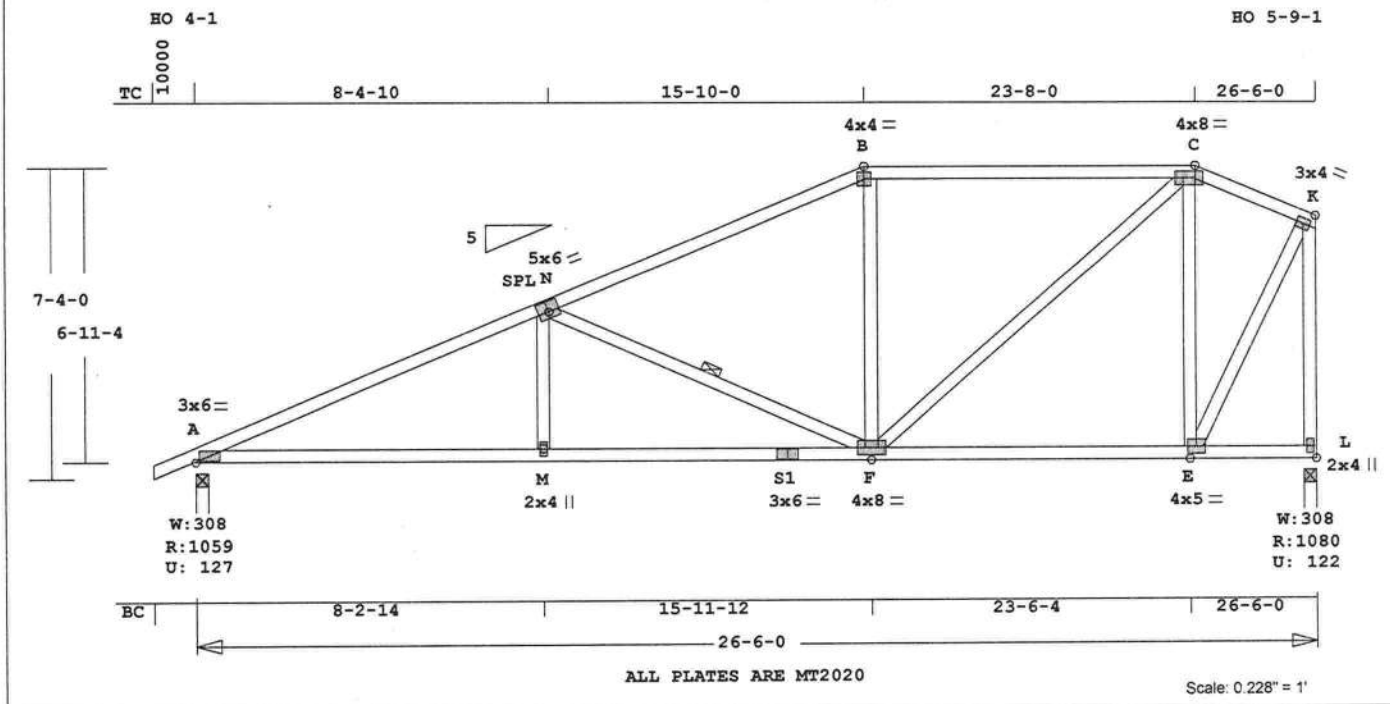
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 1899 Lbs
Max tens. force 1758 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

November 4, 2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	R15	1	HIPP	260600	5	1- 0- 0	0	T3917407
Stamper Residence								



Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ---Lumber---
TC 0.57 2x 4 SP-#2
BC 0.52 2x 4 SP-#2
WB 0.66 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 26- 6- 0
BC Cont. 0- 0- 0 26- 6- 0
One Continuous Lateral Brace
N -F
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz
A 1060 128 U 104 R
L 1081 123 U 215 R

Jt Brg Size Required
A 3.5" 1.5"
L 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -N 0.57 1865 C 0.11 0.46
N -B 0.55 1098 C 0.00 0.55
B -C 0.44 1006 C 0.01 0.43
C -K 0.11 471 C 0.04 0.07
-----Bottom Chords-----
A -M 0.52 1730 T 0.29 0.23
M -S1 0.51 1730 T 0.17 0.34
S1-F 0.52 1730 T 0.29 0.23

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 190.2 LBS

F -E 0.35 452 T 0.04 0.31
E -L 0.27 159 T 0.00 0.27
-----Webs-----
M -N 0.08 328 T
N -F 0.28 793 C 1 Br
F -B 0.05 192 T
F -C 0.66 734 T
E -C 0.47 609 C
E -K 0.31 969 T
L -K 0.61 1100 C WindLd

TL Defl -0.23" in A -M L/999
LL Defl -0.11" in F -E L/999
Shear // Grain in A -N 0.27

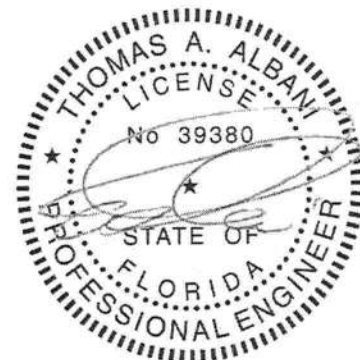
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 Ctr Ctr 0.63
N MT20 5.0x 6.0-0.2 0.5 0.42
B MT20 4.0x 4.0 Ctr Ctr 0.58
C MT20 4.0x 8.0 Ctr Ctr 0.58
K MT20 3.0x 4.0 Ctr Ctr 0.80
M MT20 2.0x 4.0 Ctr Ctr 0.34
S1 MT20 3.0x 6.0 Ctr Ctr 0.56
F MT20 4.0x 8.0 Ctr Ctr 0.37
E MT20 4.0x 5.0 Ctr Ctr 0.50
L MT20 2.0x 4.0 Ctr Ctr 0.39

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

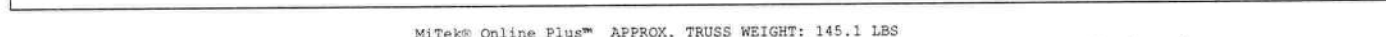
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by

2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 1865 Lbs
Max tens. force 1730 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

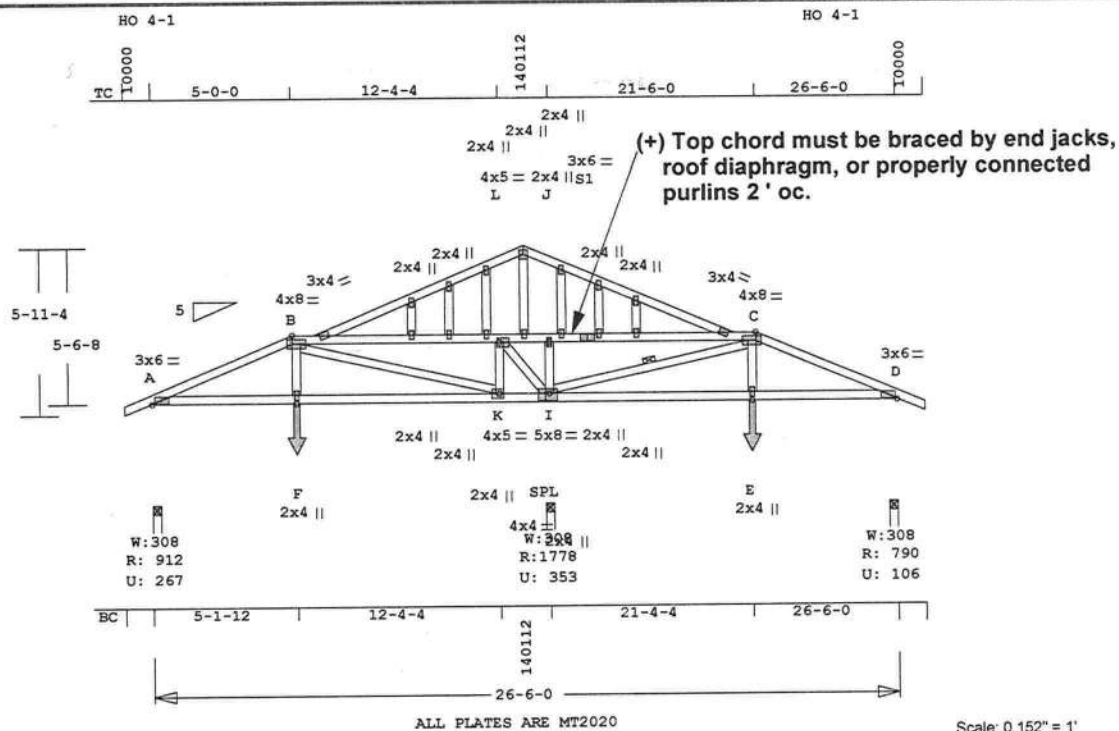
November 4, 2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	R19	1	HIPP	260600	5	1- 0- 0	1- 0- 0	T3917411

Stamper Residence



Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ---Lumber---
TC 0.81 2x 4 SP-#2
-- 0.54 2x 4 SP-DSS
B -S1
BC 0.66 2x 4 SP-#2
WB 0.64 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 26- 6- 0
BC Cont. 0- 0- 0 26- 6- 0
One Continuous Lateral Brace
I -C
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)
Jt Down Uplift Horiz
A 913 268 U 36 R
I 1778 353 U
D 791 106 U 37 R

Jt Brg Size Required
A 3.5" 1.5"
I 3.5" 1.9"
D 3.5" 1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
Plf - Dead Live* From To
TC V 14 40 0.0' 26.5'
BC V 20 0 0.0' 26.5'
TC V 11 30 5.0' 21.5'
BC V 15 0 5.1' 21.4'
BC V 113 133 5.1' CL-LB
BC V 113 133 21.4' CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.53 1767 C 0.21 0.32
B -L 0.46 1002 C 0.00 0.46

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 207.5 LBS

L -J 0.54 354 C 0.00 0.54
J -S1 0.54 354 C 0.00 0.54
S1 -C 0.81 354 C 0.00 0.81
C -D 0.54 1472 C 0.01 0.53

-----Bottom Chords-----
A -F 0.49 1646 T 0.18 0.31
F -K 0.66 1631 T 0.18 0.48
K -I 0.61 1002 T 0.09 0.52
I -E 0.66 1365 T 0.25 0.41
E -D 0.44 1380 T 0.15 0.29

-----Webs-----
F -B 0.14 534 T
B -K 0.64 651 C
K -L 0.12 466 T
L -I 0.25 1007 T
I -J 0.09 537 C
I -C 0.30 1046 C
E -C 0.14 527 T

TL Defl -0.26" in I -E L/555
LL Defl -0.11" in I -E L/999
Shear // Grain in J -S1 0.53

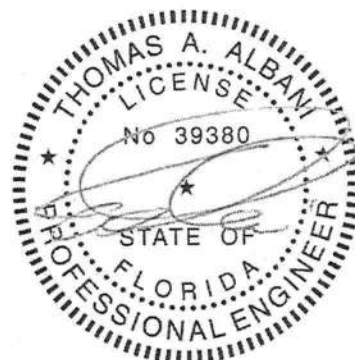
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 Ctr Ctr 0.60
B MT20 4.0x 8.0 Ctr Ctr 0.59
L MT20 4.0x 5.0 Ctr Ctr 0.45
J MT20 2.0x 4.0 Ctr Ctr 0.34
S1 MT20 3.0x 6.0 Ctr Ctr 0.39
C MT20 4.0x 8.0 Ctr Ctr 0.59
D MT20 3.0x 6.0 Ctr Ctr 0.50
F MT20 2.0x 4.0 Ctr Ctr 0.48
K MT20 4.0x 5.0-0.8 Ctr 0.45
I MT20 5.0x 8.0 1.0-0.5 0.59
E MT20 2.0x 4.0 Ctr Ctr 0.48

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 5- 0- 0

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 14- 1-12
Max comp. force 1767 Lbs
Max tens. force 1646 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

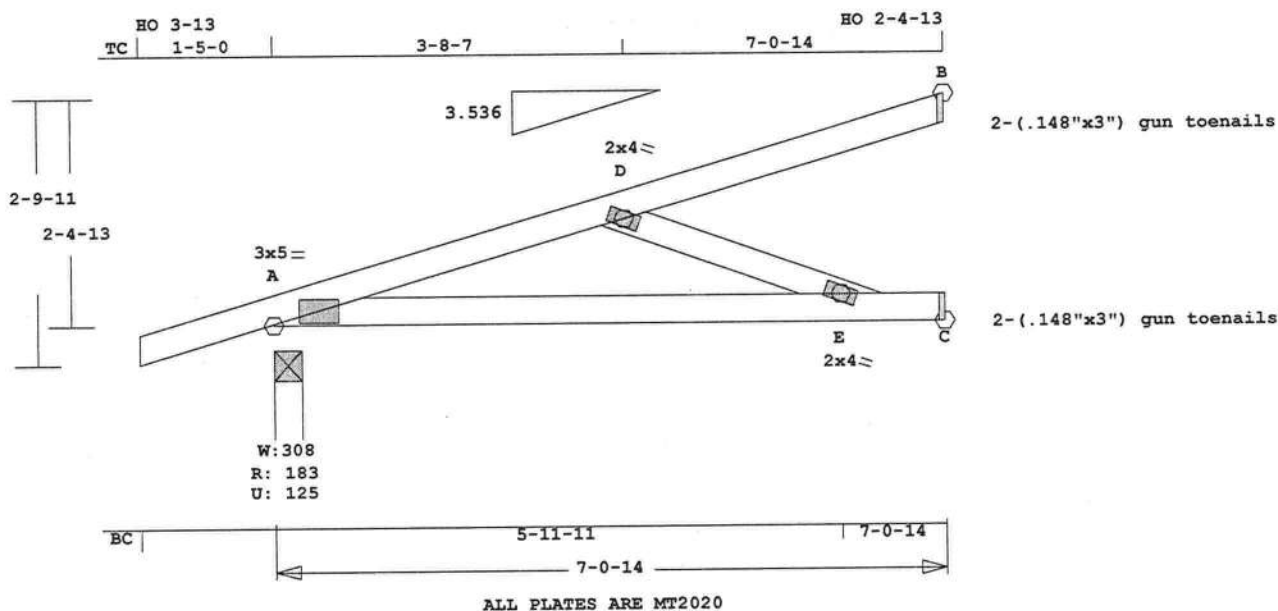


FL Cert. 6634

November 4, 2010

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
100786	R21	1	KING	70014	3.536	1- 5- 0	0	T3917413

Stamper Residence



Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ---Lumber---
TC 0.43 2x 4 SP-#2
BC 0.57 2x 4 SP-#2
WB 0.14 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 6-11- 6
BC Cont. 0- 0- 0 6-11- 6

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 184 126 U 44 R
C 153 66 U 31 R
B 106 45 U

Jt Brg Size Required
A 3.5" 1.5"
C 1.5" 1.5"
B 1.5" 1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 14 40 0.0' 7.1'
BC V 20 0 0.0' 7.1'
TC V -14 -40 0.0' 7.1'
6 17 7.1'
BC V -20 0 0.0' 7.1'
8 0 7.1'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----

MiTek Online Plus™ APPROX. TRUSS WEIGHT: 35.9 LBS

A -D 0.43 410 T 0.05 0.38
D -B 0.19 60 C 0.00 0.19
-----Bottom Chords-----
A -E 0.57 554 C 0.00 0.57
E -C 0.36 30 T 0.00 0.36
-----Webs-----
D -E 0.14 589 T

TL Defl -0.11" in A -E L/711
LL Defl -0.05" in A -E L/999
Hz Disp LL DL TL
Jt C 0.01" 0.00" 0.01"
Shear // Grain in E -C 0.38

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.54
D MT20 2.0x 4.0 Ctr Ctr 0.28
E MT20 2.0x 4.0 Ctr Ctr 0.34

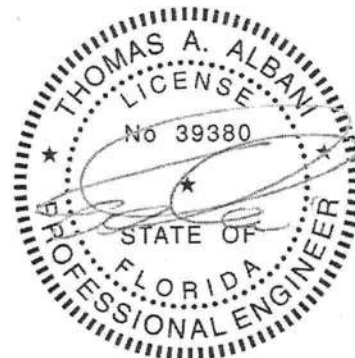
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2005
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
Girder King Jack
Loading TC and BC
Setback 5- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for

loads framing into girder
truss.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 7- 0-14
Max comp. force 554 Lbs
Max tens. force 589 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

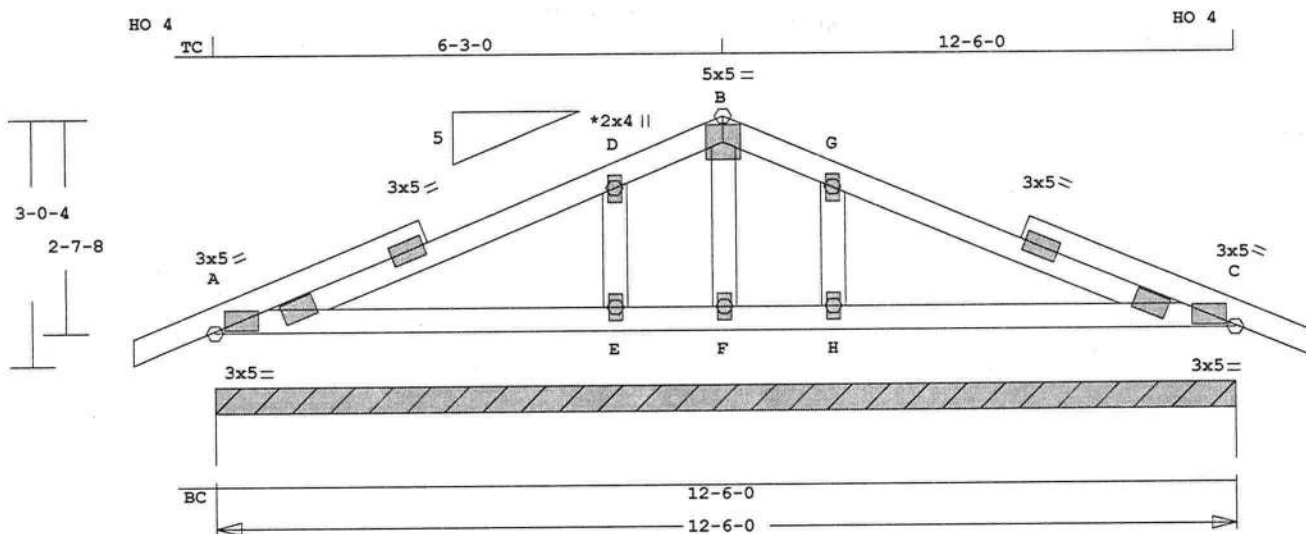


FL Cert. 6634

November 4, 2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	R23	1	TR	120600	5	0	0	T3917415

Stamper Residence



ALL PLATES ARE MT2020
See Joint D For Typical Gable Plate Size and Placement

Scale: 0.441" = 1'

Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ----Lumber-----
TC 0.13 2x 4 SP-#2
BC 0.12 2x 4 SP-#2
GW 0.07 2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 12- 6- 0	
BC Cont.	0- 0- 0 12- 6- 0	

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt Down Uplift Horiz-
A 1073 115 U 1 R

Jt Brg Size Required
A 150.0" 0"-to- 150"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -D	0.13	56 C	0.00	0.13
D -B	0.13	75 T	0.00	0.13
B -G	0.13	75 T	0.00	0.13
G -C	0.13	56 C	0.00	0.13
-----Bottom Chords-----				
A -E	0.12	3 T	0.00	0.12
E -F	0.09	0 T	0.00	0.09
F -H	0.09	0 T	0.00	0.09

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 70.9 LBS

H -C	0.12	3 T	0.00	0.12
-----Gable Webs-----				
E -D	0.07	306 T		
F -B	0.01	83 C		
H -G	0.07	306 T		

TL Defl -0.02" in A -E L/999
LL Defl -0.01" in A -E L/999
Shear // Grain in A -D 0.16

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.49
D MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 5.0x 5.0 Ctr Ctr 0.35
G MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 3.0x 5.0 Ctr Ctr 0.49
E MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
H MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

RIDGWAY ROOF TRUSS

Analysis Conforms To:

FBC2007

TPI 2002

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 13-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 4.0 psf

BC Dead Load: 6.0 psf

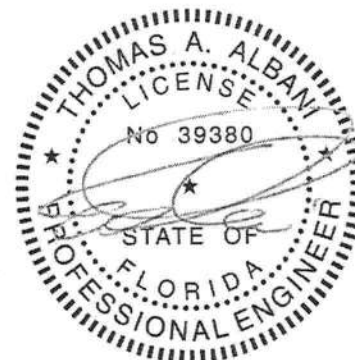
Max comp. force 216 Lbs

Max tens. force 306 Lbs

Connector Plate Fabrication

Tolerance = 20%

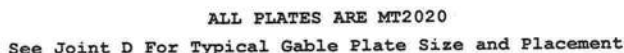
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

November 4, 2010

Stamper Residence

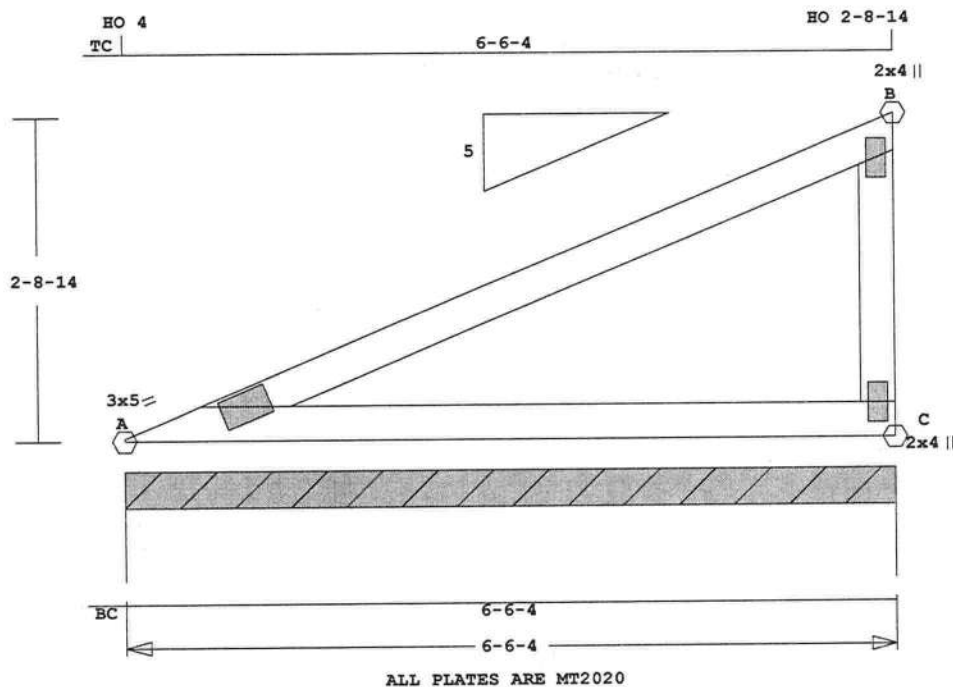


Scale: 0.429" = 1'

Online Plus™ © Copyright Mitek® 1996-2010 Version 27.5.019 Engineering - Portrait 11/4/2010 11:12:58 AM Page 1

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
100786	V4	1	VLM	60604	5	0	0	T3917419

Stamper Residence



Scale: 0.638" = 1'

Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ----Lumber-----
TC 0.40 2x 4 SP-#2
BC 0.29 2x 4 SP-#2
WB 0.06 2x 4 SP-#3

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	6- 6- 4	
BC Cont.	0- 0- 0	6- 6- 4	

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt Down Uplift Horiz-
A 643 73 U 150 R

Jt Brg Size Required
A 78.2" 0"-to- 78"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -B	0.40	52 C	0.00	0.40	
-----Bottom Chords-----					
A -C	0.29	4 T	0.00	0.29	
-----Webs-----					
C -B	0.06	253 T	WindLd		

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 28.4 LBS

TL Defl -0.10" in A -C L/817
LL Defl -0.04" in A -C L/999
Shear // Grain in A -B 0.24

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.49
B MT20 2.0x 4.0 Ctr Ctr 0.14
C MT20 2.0x 4.0 Ctr Ctr 0.17

REVIEWED BY:

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

RIDGWAY ROOF TRUSS

Analysis Conforms To:

FBC2007

TPI 2002

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 13-0

Exposure Category: B

Occupancy Factor : 1.00

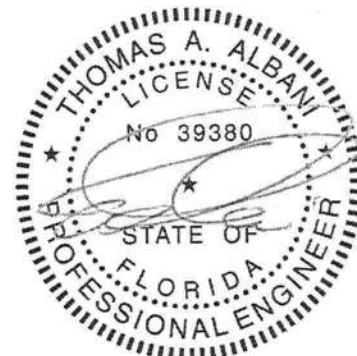
Building Type: Enclosed

TC Dead Load: 4.0 psf

BC Dead Load: 6.0 psf

Max comp. force 146 Lbs
Max tens. force 253 Lbs
Connector Plate Fabrication
Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

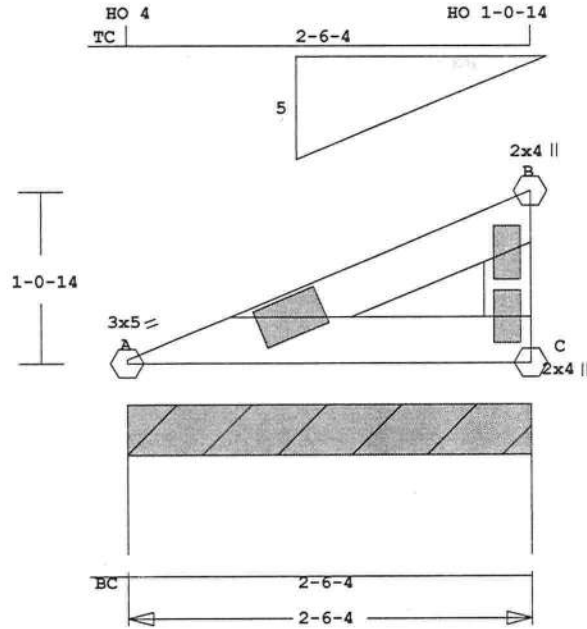


FL Cert. 6634

November 4, 2010

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
100786	V6	1	VLM	20604	5	0	0	T3917421

Stamper Residence



ALL PLATES ARE MT2020

Scale: 0.865" = 1'

Online Plus -- Version 27.5.019
RUN DATE: 04-NOV-10

CSI -Size- ----Lumber----

TC	0.02	2x 4	SP-#2
BC	0.00	2x 4	SP-#2
WB	0.01	2x 4	SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	2- 6- 4
BC Cont.	0- 0- 0	2- 6- 4

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	136	17 U	24 R

Jt	Brg Size	Required
A	30.2"	0"-to- 30"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -B	0.02	21 C	0.00 0.02
-----Bottom Chords-----			
A -C	0.00	0 T	
-----Webs-----			
C -B	0.01	78 T	WindLd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 9.5 LBS

TL Defl	0.00"	in A -C	L/999
LL Defl	0.00"	in A -C	L/999
Shear // Grain		in A -B	0.07

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.49
B MT20 2.0x 4.0 Ctr Ctr 0.13
C MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

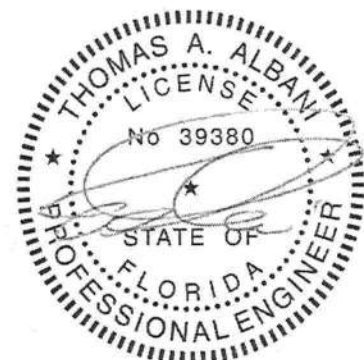
REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002

Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf

Max comp. force	36 Lbs
Max tens. force	78 Lbs
Connector Plate Fabrication	
Tolerance =	20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

November 4, 2010

JOBSITE PACKAGE

IMPORTANT DOCUMENTS ENCLOSED

PLEASE REVIEW

! WARNING: The handling, storing, installing, restraining and diagonal bracing of structural building components requires specialized training, clearly implemented procedures, and careful planning and communication among the contractor, crane operator and installation crew. Handling and installing components without appropriate training, planning and communication greatly increases the probability of an accident resulting in property damage, serious personal injury and/or death.

Prior to component installation, the documents should be examined and disseminated to all appropriate personnel, in addition to proper training and a clear understanding of the installation plan, any applicable fall protection requirements, and the intended restraint and bracing requirements. **Trusses over 60 feet in length are very dangerous to install and may require complex temporary and permanent bracing. Please consult a Registered Design Professional.**

Examine the building, the building's structural framing system, bearing locations and related installation conditions. Begin component installation only after any unsatisfactory conditions have been corrected. Do not cut, modify or repair components. Report any damage before installation.

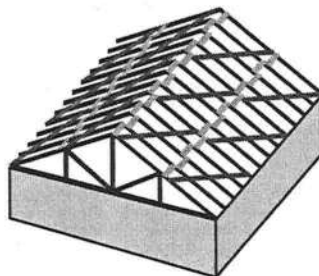
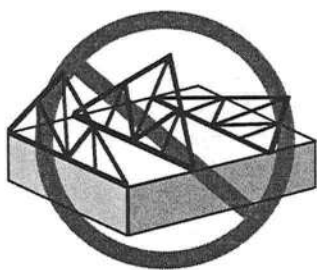
The enclosed documents are offered as minimum guidelines only. Nothing contained in this jobsite package should be construed in any manner as expanding the scope of responsibility of, or imposing any additional liabilities on, the component manufacturer.

ADVERTENCIA: El manejo, almacenamiento, instalación, restricción y arrioste diagonal de componentes estructurales de construcción requieren entrenamiento especializada, procedimientos claramente implementados y planificaron y comunicación clara entre el contratista, operador de grúa, y los obreros de instalación. El manejar e instalar los componentes sin entrenamiento suficiente, planificación y comunicación adecuadas aumenta la probabilidad de un accidente que resulta en dæro a propiedad, herida seria o muerte.

Antes de la instalación de componentes, los documentos adjuntos deben ser examinados y difundidos a todo el personal apropiado, además del entrenamiento pertinente y un claro entendimiento del plan de instalación, de todo requisito aplicable de la protección contra la caída y de los requisitos previstos de arrioste y restricción. **La instalación de trusses más de 60 pies de largo es muy peligrosa. Consulte a un Profesional de Diseño Registrado.**

Examine la estructura, el sistema armazón estructural de edificio, ubicaciones de soporte e las condiciones de instalación correspondientes y comenzar con la instalación de los componentes sólo después de haber corregido toda condición insatisfactoria. No corte, modifique ni repare los componentes y informe cualquier daño descubierto antes de proceder a la instalación.

Los documentos adjuntos se ofrecen solamente como directrices mínimas. Nada de lo incluido en este paquete debe interpretarse de manera que exceda el alcance de la responsabilidad del fabricante de componentes, ni en forma tal que imponga responsabilidades adicionales sobre éste.



To view a non-printing PDF of this document, visit www.sbcindustry.com/jobsitecs.

FOR DESIGN RESPONSIBILITIES SEE REVERSE

BCSI-B1 SUMMARY SHEET GUIDE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES

SPANS OVER 60' MAY REQUIRE COMPLEX PERMANENT BRACING. PLEASE ALWAYS CONSULT A PROFESSIONAL ENGINEER

STEPS TO SETTING TRUSSES LAS MEDIDAS DE LA INSTALACIÓN DE LOS TRUSSES

- 1) Install ground bracing. 2) Set first truss and attach securely to ground bracing. 3) Set next 4 trusses with short member temporary lateral restraint (see below). 4) Install top chord diagonal bracing (see below). 5) Install web member plane diagonal bracing to stabilize the first five trusses (see below). 6) Install bottom chord temporary lateral restraint and diagonal bracing (see below). 7) Repeat process on groups of four trusses until all trusses are set.

1) Instale los arriostres de tierra. 2) Instale el primero truss y ate seguramente al arriostre de tierra. 3) Instale los próximos 4 trusses con restricción lateral temporal de miembro corto (vea abajo). 4) Instale el arriostre diagonal de la cuerda superior (vea abajo). 5) Instale arriostre diagonal para los planos de los miembros secundarios para establecer los primeros cinco trusses (vea abajo). 6) Instale la restricción lateral temporal y arriostre diagonal para la cuerda inferior (vea abajo). 7) Repita este procedimiento en grupos de cuatro trusses hasta que todos los trusses estén instalados.

Refer to BCSI-B2 Summary Sheet - Truss Installation & Temporary Restraint/Bracing*** for more information.

Vea el resumen BCSI-B2 - Instalación de Trusses y Restricción/Arriostre Temporal*** para más información.

RESTRAINT/BRACING FOR ALL PLANES OF TRUSSES RESTRICCIÓN/ARRIOSTRE PARA TODOS PLANOS DE TRUSSES

- This restraint & bracing method is for all trusses except 3x2 and 4x2 parallel chord trusses.

Este método de restricción y arriostre es para todo trusses excepto trusses de cuerdas paralelas 3x2 y 4x2.

1) TOP CHORD - CUERDA SUPERIOR

Truss Span Longitud de Tramo	Top Chord Temporary Lateral Restraint (TCLTR) Spacing Espaciamiento del Arriostre Temporal de la Cuerda Superior
Up to 30'	10' o.c. max.
Hasta 30 pies	10 pies máximo
30' to 45'	8' o.c. max.
30 a 45 pies	8 pies máximo
45' to 60'	6' o.c. max.
45 a 60 pies	6 pies máximo
60' to 80'	4' o.c. max.
60 a 80 pies*	4 pies máximo

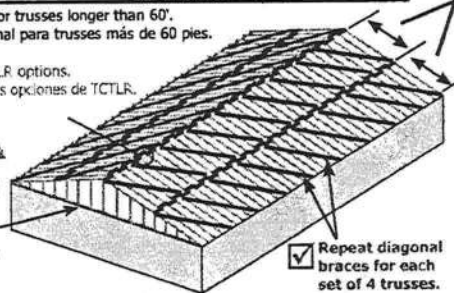
*Consult a Professional Engineer for trusses longer than 60'.

*Consulte a un Ingeniero Profesional para trusses más de 60 pies.

- See BCSI-B2*** for TCLTR options.
Vea el BCSI-B2*** para las opciones de TCLTR.

Refer to BCSI-B3 Summary Sheet - Permanent Restraint/Bracing of Chords & Web Members*** for Gable End Frame restraint/bracing/reinforcement information.

Para información sobre restricción/arriostre/refuerzo para Armazones Hastiales, vea el resumen BCSI-B3 - Restricción/Arriostre Permanente de Cuerdas y Miembros Secundarios***



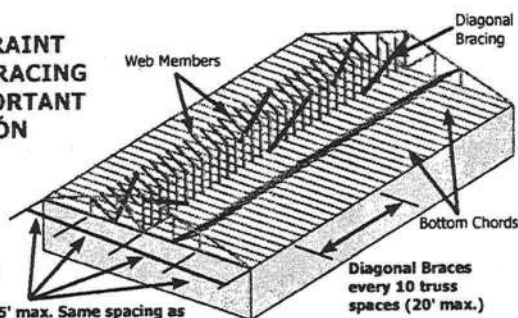
Repeat diagonal braces for each set of 4 trusses.

Repita los arriostres diagonales para cada grupo de 4 trusses.

2) WEB MEMBER PLANE - PLANO DE LOS MIEMBROS SECUNDARIOS

LATERAL RESTRAINT & DIAGONAL BRACING ARE VERY IMPORTANT LA RESTRICCIÓN LATERAL Y EL ARRIOSTRE DIAGONAL SON MUY IMPORTANTES!

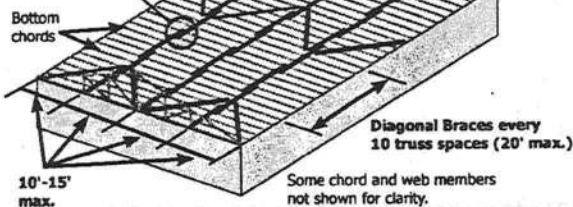
10'-15' max. Same spacing as bottom chord Lateral Restraint



Some chord and web members not shown for clarity.

3) BOTTOM CHORD - CUERDA INFERIOR

Lateral Restraints - 2x4x12' or greater lapped over two trusses.



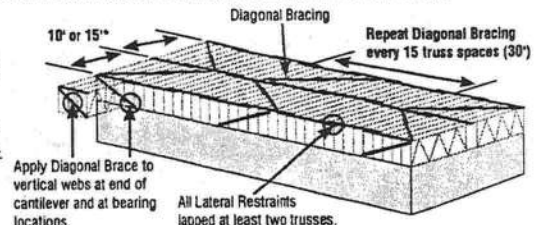
Diagonal Braces every 10 truss spaces (20' max.)

Some chord and web members not shown for clarity.

RESTRAINT & BRACING FOR 3x2 AND 4x2 PARALLEL CHORD TRUSSES RESTRICCIÓN Y ARRIOSTRE PARA TRUSSES DE CUERDAS PARALELAS 3X2 Y 4X2

Refer to BCSI-B7 Summary Sheet - Temporary & Permanent Restraint/Bracing for Parallel Chord Trusses*** for more information.

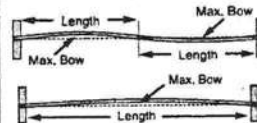
Vea el resumen BCSI-B7 - Restricción/Arriostre Temporal y Permanente para Trusses de Cuerdas Paralelas*** para más información.



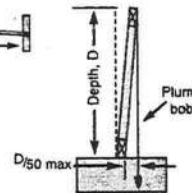
*Top chord Temporary Lateral Restraint spacing shall be 10' o.c. max. for 3x2 chords and 15' o.c. for 4x2 chords.

INSTALLING - INSTALACIÓN

- Tolerances for Out-of-Plane.
Tolerancias para Fuera-de-Plano.



- Tolerances for Out-of-Plumb.
Tolerancias para Fuera-de-Plomada.



Out of Plumb	Max. Bow	Truss Length
D/50	3/4"	12.5'
1/4"	7/8"	14.6'
1/2"	1"	16.7'
3/4"	1-1/8"	18.8'
1"	1-1/4"	20.8'
1-1/4"	1-3/8"	22.9'
1-1/2"	1-1/2"	25.0'
1-3/4"	1-3/4"	29.2'
2"	2"	≥33.3'

CONSTRUCTION LOADING - CARGA DE CONSTRUCCIÓN

- Do not proceed with construction until all lateral restraint and bracing is securely and properly in place.

No proceda con la construcción hasta que todas las restricciones laterales y los arriostres estén colocados en forma apropiada y segura.

- Do not exceed maximum stack heights. Refer to BCSI-B4 Summary Sheet - Construction Loading*** for more information.

No exceda las alturas máximas de montón. Vea el resumen BCSI-B4 Carga de Construcción*** para más información.

Material	Height
Gypsum Board	12"
Plywood or OSB	16"
Asphalt Shingles	2 bundles
Concrete Block	8"
Clay Tile	3-4 tiles high



- Do not overload small groups or single trusses.
No sobrecargue pequeños grupos o trusses individuales.

- Never stack materials near a peak.
Nunca amontone los materiales cerca de un pico.

- Place loads over as many trusses as possible.
Coloque las cargas sobre tantos trusses como sea posible.

- Position loads over load bearing walls.
Coloque las cargas sobre las paredes soportantes.



ALTERATIONS - ALTERACIONES

- Refer to BCSI-B5 Summary Sheet - Truss Damage, Jobsite Modifications & Installation Errors***. Vea el resumen BCSI-B5 Daños de Trusses, Modificaciones en la Obra y Errores de Instalación***

- Do not cut, alter, or drill any structural member of a truss unless specifically permitted by the Truss Design Drawing.

No corte, altere o perforo ningún miembro estructural de un truss, a menos que esté específicamente permitido en el Dibujo del Diseño del Truss.

- Trusses that have been overloaded during construction or altered without the Truss Manufacturer's prior approval may render the Truss Manufacturer's limited warranty null and void.

Trusses que se han sobrecargado durante la construcción o han sido alterados sin la autorización previa del Fabricante de Trusses, pueden hacer nulo y sin efecto la garantía limitada del Fabricante de Trusses.

***Contact the Component Manufacturer for more information or consult a Professional Engineer for assistance. To view a non-printing PDF of this document, visit www.sbcindustry.com/b1.

NOTE: The Truss Manufacturer and Truss Designer rely on the presumption that the Contractor and crane operator (if applicable) are professionals with the capability to undertake the work they have agreed to do on any given project. If the Contractor believes it needs assistance in some aspect of the construction project, it should seek assistance from a competent party. The methods and procedures outlined in this document are intended to ensure that the overall construction techniques employed will put the trusses into place SAFELY. These recommendations for handling, installing, restraining and bracing trusses are based upon the collective experience of leading personnel involved with truss design, manufacture and installation, but must, due to the nature of responsibilities involved, be presented only as a GUIDE for use by a qualified Building Designer or Contractor. It is not intended that these recommendations be interpreted as superior to the Building Designer's design specification for handling, installing, restraining and bracing trusses and it does not preclude the use of other equivalent methods for restraining/bracing and providing stability for the walls, columns, floors, roofs and all the intermediate structural building components as determined by the Contractor. Thus, WPCA and TPI expressly disclaim any responsibility for damages arising from the use, application, or reliance on the recommendations and information contained herein.



6300 Enterprise Lane • Madison, WI 53719
608/274-4849 • www.sbcindustry.com



218 N. Lee St., Ste. 312 • Alexandria, VA 22314
703/683-1010 • www.tpinet.org

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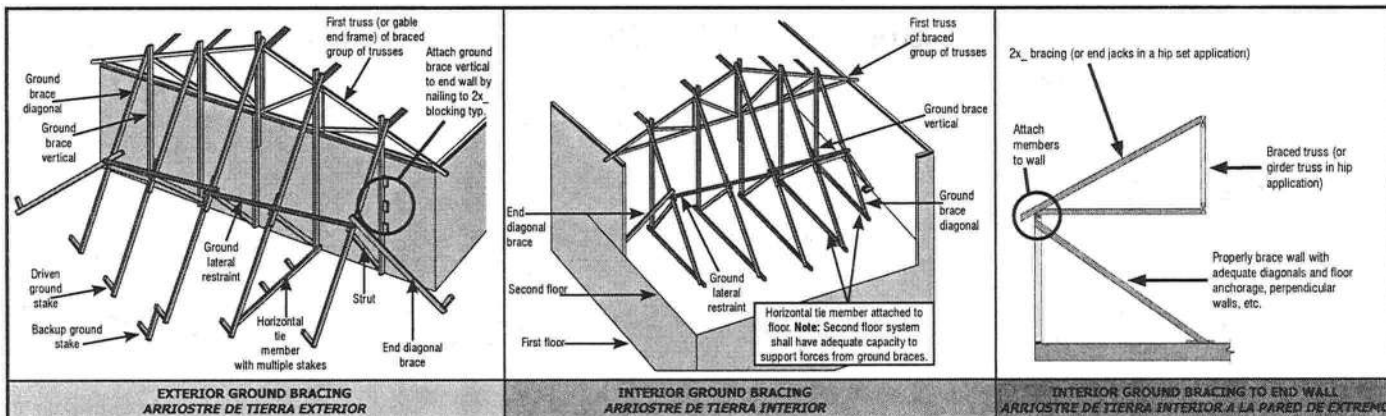
HOJA RESUMEN DE LA GUIA DE BUENA PRACTICA PARA EL MANEJO, INSTALACION, RESTRICCIÓN Y ARRIOSTRE DE LOS TRUSSES

VANOS MAS DE 60' PIES PUEDEN REQUERIR ARRIOSTRE PERMANENTE COMPLEJO. POR FAVOR, SIEMPRE CONSULTE A UN INGENIERO PROFESIONAL

STEPS TO SETTING TRUSSES

PASOS PARA EL MONTAJE DE TRUSSES

1. Establish Ground Bracing Procedure: Exterior or Interior Establezca el Procedimiento de Arriostre de Tierra: Exterior o Interior

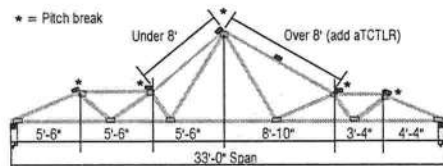


2. Determine the locations for TCTLR and Ground Braces Determine las ubicaciones para TCTLR y los Arriostres de Tierra

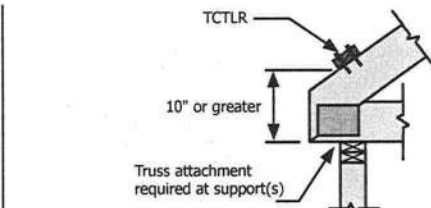
- Use truss span to determine spacing for top chord temporary lateral restraint (TCTLR) from table at right. Use el tramo del truss para determinar el espaciamiento para restricción lateral temporal de la cuerda superior (TCTLR) en la tabla a la derecha.

Maximum Top Chord Temporary Lateral Restraint Spacing**	
Truss Span	TCTLR Spacing
Up to 30'	10' on-center maximum
30' - 45'	8' on-center maximum
45' - 60'	6' on-center maximum
60' - 80'+	4' on-center maximum

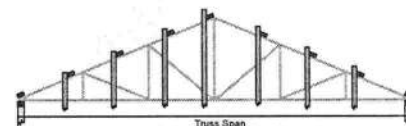
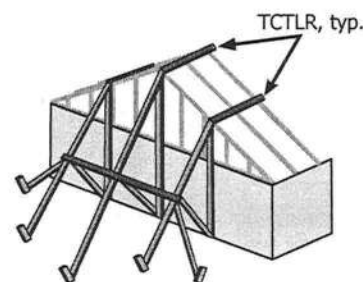
*Consult a registered design professional for trusses longer than 60'.
**For trusses spaced greater than 2' o.c., see also BCSI-B10.



- Locate additional TCTLR at each pitch break. Localice TCTLR adicional en cada rotura de inclinación.



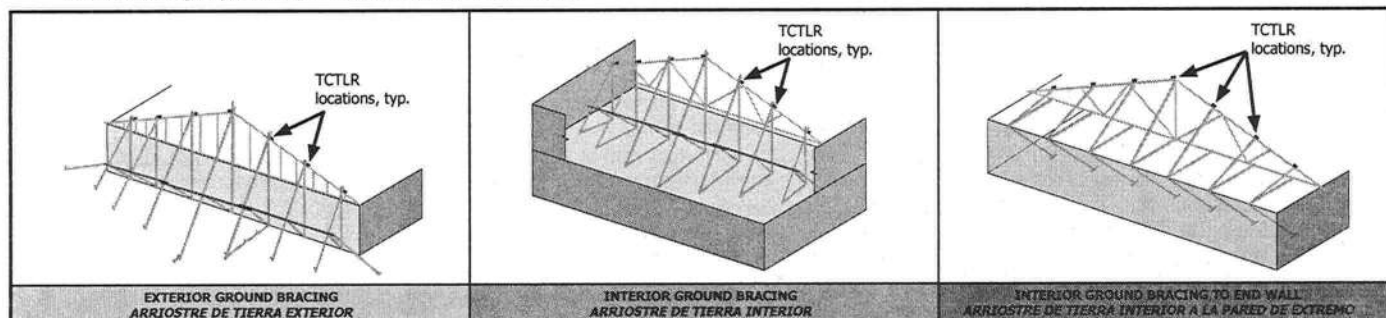
- Locate additional TCTLR over bearings if the heel height is 10" or greater. Localice TCTLR adicional sobre los soportes si la altura del talón (heel height) es de 10 pulgadas o más.



- Locate a ground brace vertical at each TCTLR location. Localice una vertical de arriostre de tierra en cada lugar de TCTLR.

3. Set First Truss and Fasten Securely to Ground Braces Coloque el Primer Truss y Fíjelo Seguramente a los Arriostres de Tierra

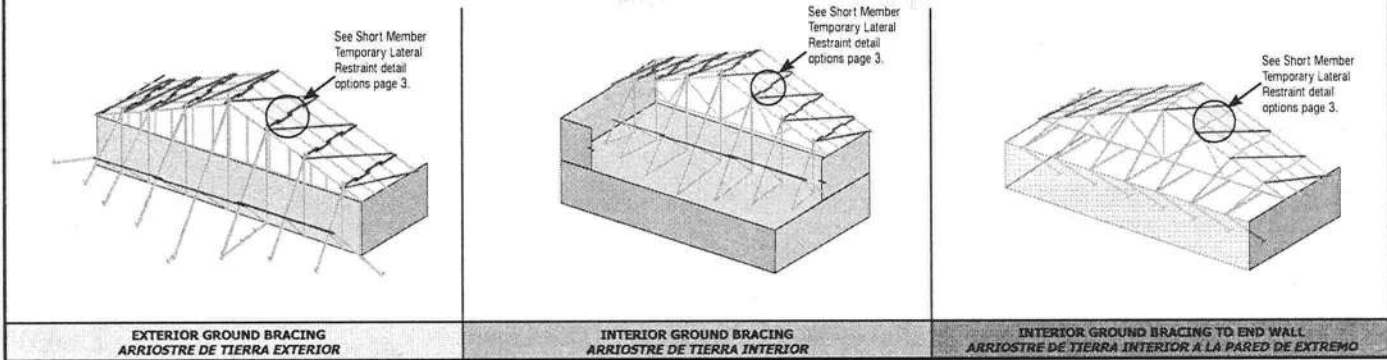
- Set first truss (or gable end frame) and fasten securely to ground braces and to the wall, or as directed by the building designer. Examples of first truss installed include:
Coloque el primer truss (o armazón hastial) y fíjelo seguramente a las verticales de arriostre de tierra y a la pared, o como se dirige el diseñador del edificio. Ejemplos del primer truss instalado incluyen:



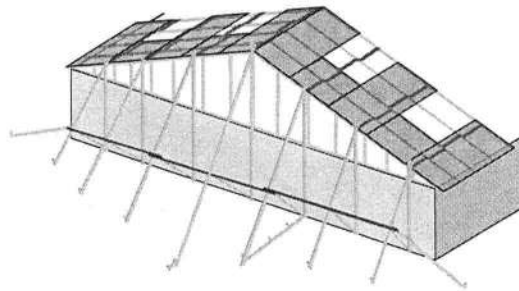
CAUTION! First truss must be attached securely to all bearings and to all required ground braces prior to removing the hoisting supports.
El primer truss tiene que ser sujetado seguramente a todos soportes y a todas arriostres de tierra requeridos, antes de quitar los soportes de levantamiento.

5. Install Top Chord Diagonal Bracing Instale el Arriostre Diagonal de la Cuerda Superior

- ✓ Attach diagonal bracing to the first five trusses. Examples of diagonal bracing on first five trusses include:
Coloque el arriostre diagonal a los primeros cinco trusses. Ejemplos de arriostre diagonal en los primeros cinco trusses incluyen:



- ✓ Or start applying structural sheathing. Example of structural sheathing installed on first five trusses.
O empiece en aplicar el entablado estructural. Ejemplo de entablado estructural instalado en los primeros cinco trusses.



6. Install Web Member Diagonal Bracing Instale el Arriostre Diagonal de Miembros Secundarios

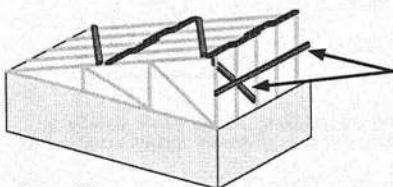
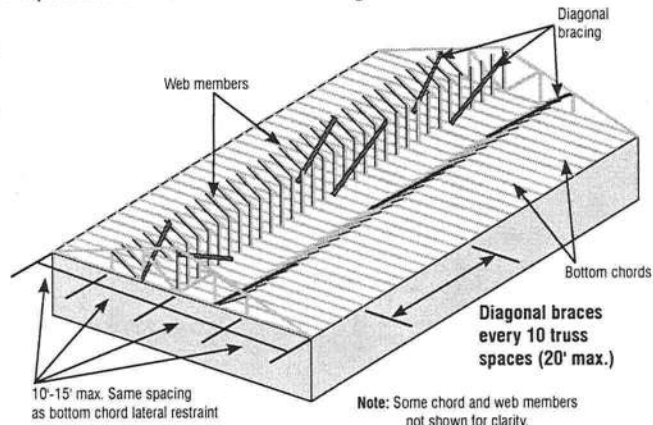
- ✓ Temporary web member diagonal bracing acts with the top chord and bottom chord temporary lateral restraint and diagonal bracing to form triangulation perpendicular to the plane of the truss and prevents trusses from leaning or dominoing.
El arriostre diagonal temporal de los miembros secundarios trabaja con la restricción lateral y el arriostre diagonal temporales de la cuerda superior e inferior para formar una triangulación perpendicular al plano del truss y evita que los trusses se inclinen o caigan como dominós.

- ✓ Install diagonal bracing at about 45° on web members (verticals whenever possible) located at or near rows of bottom chord lateral restraint. Web diagonal bracing must extend from the top chord to the bottom chord. Repeat at the interval shown in the Figure below.

Instale el arriostre diagonal a aproximadamente 45 grados en los miembros secundarios (verticales cuando sea posible) colocados en o cerca de las filas de restricción lateral de la cuerda inferior. Arriostre diagonal para los miembros secundarios tiene que extender de la cuerda superior a la cuerda inferior. Repita a los intervalos mostrados en la Figura a la derecha.

NOTICE The requirements for web member permanent individual truss member restraint are specified on the truss design drawing (TDD). Refer to BCSI-B3 for more information.

Los requisitos para la restricción permanente de miembros individuales de truss para miembros secundarios son especificados en el dibujo del diseño de truss. Vea el resumen BCSI-B3 para más información.



NOTICE Mono trusses, deep flat trusses and other types of trusses with deep ends also require temporary lateral restraint and diagonal bracing on the long web members at the deep end of the truss. Los trusses de una sola pendiente, trusses planos y profundos y otros tipos de trusses con extremos profundos también requieren restricción lateral temporal y arriostre diagonal en los miembros secundarios largos al parte profundo del truss.

BCSI-B3 SUMMARY SHEET PERMANENT RESTRAINT / BRACING OF CHORDS AND WEB SPANS OVER 60' MAY REQUIRE COMPLEX PERMANENT BRACING. PLEASE ALWAYS CONSULT A PROFESSIONAL ENGINEER

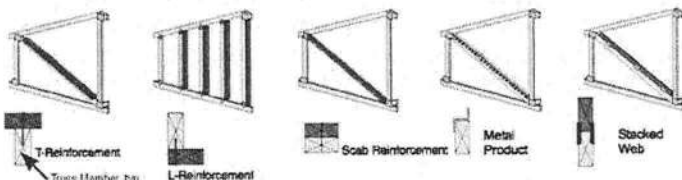
ALWAYS DIAGONALLY BRACE THE CONTINUOUS LATERAL RESTRAINT!
SIEMPRE ARRIOSTRE LA RESTRICCIÓN LATERAL CONTINUA DIAGONALMENTE!

B. Individual Web Member Reinforcement

B. Refuerzo de Miembros Secundarios Individuales

T-, L-, Scab, I-, U-Reinforcement, proprietary metal reinforcement and stacked web products provide an alternative for resisting web buckling.

T-, L-, costra, I-, U-Refuerzo, refuerzo de metal patentado y productos de miembros secundarios amontonados proveen una alternativa para resistir el torcer de los miembros secundarios.

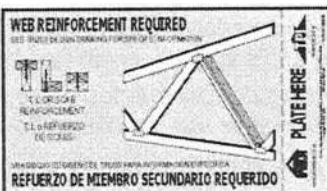
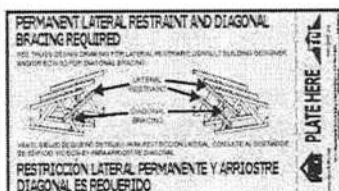


The following table may be used unless more specific information is provided.
La siguiente tabla puede ser usada a menos que información más específica está provista.

WEB REINFORCEMENT FOR SINGLE PLY TRUSSES*						
Specified CLR	Size of Truss Web	Type & Size of Web Reinforcement				Minimum Connection of Web Reinforcement to Web
		T	L	Scab ²	I	
1 Row	2x4	2x4	2x4	2x4		Same species and grade or better than web member
	2x6	2x6	2x6	2x6		
	2x8	2x8	2x8	2x8		
2 Rows	2x4	---	---	---	2-2x4	90% of web or extend to within 6" (150 mm) of end of web member, whichever is greater
	2x6	---	---	---	2-2x6	
	2x8	---	---	---	2-2x8	

*Maximum allowable web length is 14' (4.3 m).

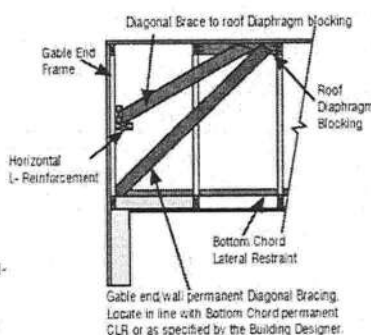
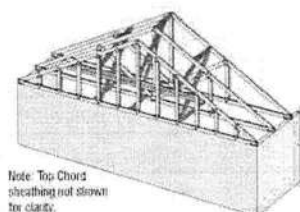
²For Scab Reinforcement use 2 rows of 10d Gun nails @ 6" (150 mm) on-center to attach reinforcement to web.



Some Truss Manufacturers mark the locations of the web Lateral Restraint or reinforcement on the truss using tags similar to those above.
Algunos Fabricantes de Trusses marcan en el truss las ubicaciones de refuerzo o Restricción Lateral de miembros secundarios con etiquetas similares a las arriba.

Web Member Plane Permanent Building Stability Bracing to Transfer Wind & Seismic Forces Arrioste de Estabilidad Permanente del Edificio del Plano de Miembros Secundarios para Desplazar Fuerzas de Viento y Fuerzas Sísmicas

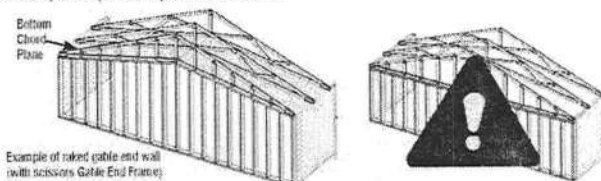
The web member restraint or reinforcement specified on a TDD is required to resist buckling under vertical loads. Additional restraint and bracing is typically required to transfer lateral loads due to wind and/or seismic forces. This restraint and bracing is typically provided by the Building Designer.
La restricción o refuerzo de miembros secundarios especificada en un TDD es requerido a resistir el torcer bajo cargas verticales. Restricción y arrioste adicional es requerido típicamente para pasar cargas laterales debidas a fuerzas de viento y/o fuerzas sísmicas. Esta restricción y arrioste es típicamente provisto por el Diseñador del Edificio.



Some Truss Designers provide general design tables and details to assist the Building Designer in determining the Bracing required to transfer lateral loads due to wind and/or seismic forces from the Gable End Frame into the roof and/or ceiling diaphragm.
Algunos Diseñadores de Trusses proveen tablas y detalles de diseño generales para asistir al Diseñador del Edificio en determinar el Arrioste requerido para pasar cargas laterales debidas a fuerzas de viento y/o fuerzas sísmicas del Armazón Hastial al diafragma del techo.

Gable End Frames and Sloped Bottom Chords Armazones Hastiales y Cuerdas Inferiores Pendientes

The Gable End Frame should always match the profile of the adjacent trusses to permit installation of proper Bottom Chord Plane restraint & bracing unless special bracing is designed to support the end wall.
El Armazón Hastial siempre debe encajar el perfil de los trusses contiguos para permitir la instalación de restricción y arrioste apropiada de la Cuerda Inferior a menos que arrioste especial es diseñado para soportar la pared de extremo.



CAUTION Using a flat Bottom Chord Gable End Frame with adjacent Trusses that have sloped Bottom Chords is prohibited by some building codes as adequate bracing of this condition is difficult and sometimes impossible. Special end wall bracing design considerations are required by the Building Designer if the Gable End Frame profile does not match the adjacent Trusses.

ADVERTENCIA El uso de un Armazón Hastial de la Cuerda Inferior con Trusses contiguos cuales tienen Cuerdas Inferiores pendientes es prohibido por algunos códigos de edificios porque arrioste adecuado de esta condición es difícil y a veces imposible. Consideraciones especiales de diseño para el arrioste de la pared de extremo son requeridos por el Diseñador del Edificio si el perfil del Armazón Hastial no hace juego con los Trusses contiguos.

PERMANENT BRACING FOR SPECIAL CONDITIONS ARRIOSTRE PERMANENTE PARA CONDICIONES ESPECIALES

Sway Bracing—Arrioste de "Sway"

"Sway" bracing is installed at the discretion of the Building Designer to help stabilize the truss system and minimize the lateral movement due to wind and seismic loads.

Arrioste de "Sway" está instalada por la discreción del Diseñador del Edificio para ayudar en estabilizar el sistema de trusses y para minimizar el movimiento lateral debido a cargas de viento y cargas sísmicas.

Sway bracing installed continuously across the building also serves to distribute gravity loads between trusses of varying stiffness.

Arrioste de "Sway" que es instalada continuamente a través del edificio también es usado para distribuir las cargas de gravedad entre trusses de rigidez variando.

Permanent Restraint/Bracing for the Top Chord in a Piggyback Assembly Restricción/Arrioste Permanente para la Cuerda Superior en un Ensamblaje de Piggyback

Provide restraint and bracing by:
• using rows of 4x2 stress-graded lumber CLR and Diagonal Bracing, or
• connecting the CLR into the roof diaphragm, or
• adding Structural Sheathing or Bracing Frames, or
• some other equivalent means.

Provee restricción y arrioste por:
• usando filas de 4x2 CLR madera graduada por esfuerzo y Arrioste Diagonal, o
• conectando el CLR al diafragma del techo, o
• añadiendo Entablado Estructural o Armazones de Arrioste, o
• algunos otros métodos equivalentes.

Refer to the TDD for the maximum assumed spacing for attaching the Lateral Restraint to the top chord of the supporting truss.
Refiere al TDD para el espaciamiento máximo supuesto para sujetar la Restricción Lateral a la cuerda superior del truss soportante.

The TDD provides the assumed thickness of the restraint and minimum connection requirements between the cap and the supporting truss or restraint.
El TDD provee el grosor supuesto de la restricción y los requisitos de conexión mínimos entre la capa y el truss soportante o la restricción.



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RESTRICCIÓN / ARRIOSTRE PERMANENTE DE LAS CUERDAS Y LOS MIEMBROS SECUNDARIOS
TRAMOS MAS DE 60' PIES PUEDEN REQUERIR ARRIOSTRE PERMANENTE COMPLEJO. POR FAVOR, SIEMPRE CONSULTE A UN PROFESIONAL DE DISEÑO REGISTRADO

General detail for repair of broken webs, chords, and damaged or missing chord splices that meet the following conditions:

- * Webs must be SPF or better and 2x6 or smaller.
- * Chords must be SPF or better and 2x6 or smaller.
- * Scab must be the same size as the broken member.
- * Scab must be same grade or better as the broken member.
- * No more than two broken or cracked members per truss.
- * Truss must be single ply.
- * Perimeter of chord break area must be a minimum distance X from any heel or peak, and minimum of 6" away from any interior joint locations.
- * Perimeter of web break area must be a minimum distance X from web joint.
- * C = Maximum length of damaged area (not to exceed 12"). S = Overall length of scab (shaded). Must be equal or greater than 2(X)+C.
- * X = Minimum length of scab at each end of break area.

Refer to following table for minimum length of scab, and minimum number of nails at each end of break area and maximum axial force of broken member.

For all lumber, plates, web bracing, etc., refer to original drawing sealed by Robbins Engineering, Inc.

2x3 SCABS			2x4 or 2x5 SCABS		
MINIMUM X DISTANCE (in.)	MIN. NUMBER OF NAILS AT EACH END OF	MAX. FORCE (lbs) AT 1.15 LOAD DURATION	MINIMUM X DISTANCE (in.)	MIN. NUMBER OF NAILS AT EACH END OF BREAK	MAX. FORCE (lbs) AT 1.15 LOAD DURATION
14	4	460	10	4	460
20	6	690	16	8	920
26	8	920	22	12	1380
32	10	1150	28	16	1840
38	12	1380	34	20	2300
44	14	1610	40	24	2760
50	16	1840	46	28	3220
56	18	2070	52	32	3680
62	20	2300	58	36	4140
68	22	2530	64	40	4600

*Apply all nails so as to avoid damaging of lumber and loosening of plates at joints. Minimum end distance of 2" must be provided for all nails.

*Use 1 row of 10d common nails spaced 3" on center into 2x3 scabs.

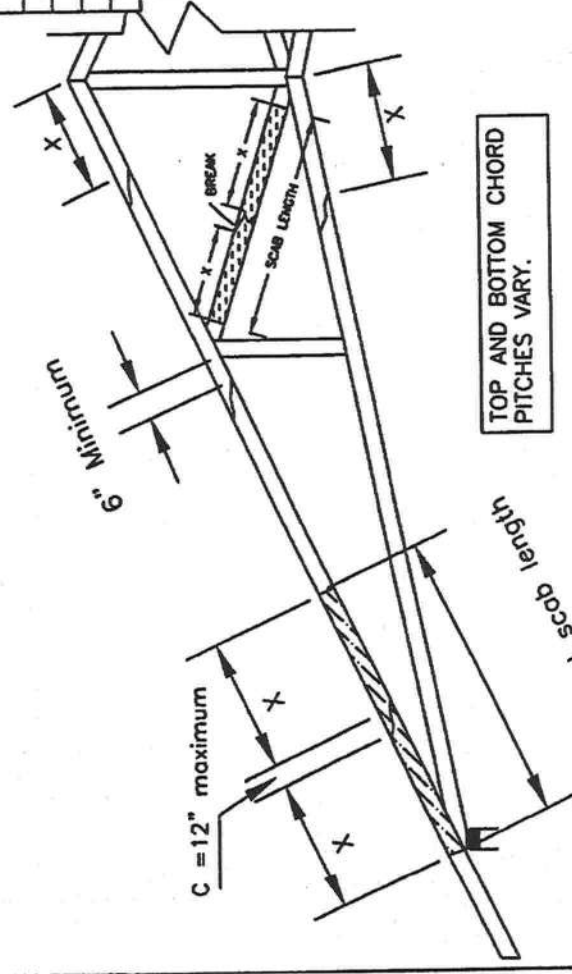
*Use 2 rows of 10d common nails spaced 3" on center in each row and staggered into 2x4 and 2x5 scabs.

*Use 3 rows of 10d common nails spaced 3" on center in each row and staggered into 2x6 scabs.

NOTE: Apply scab to one face of truss using nailing as specified above.

If desired, two scabs may be applied, one to each face of truss; use 6"

nail spacing if scabs are applied to each face.



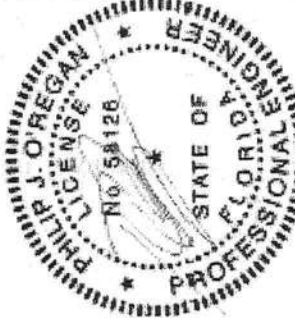
Truss manufacturer must be notified if field conditions do not match this general detail.

ROBBINS LOCK connector plates (20 ps. gph. steel-ASTM A533 S3 Grade 40) shall be applied on both faces of truss at each joint. Center the plates unless otherwise specified by circles (a) or dimensions. Unless otherwise indicated by a "V", all slots in plates run parallel with the chords or horizontally at the peak and / or heel. No loose knots or wanes in plates contact area. Splice only where shown. Overall spans assume 4" bearings at each end, unless indicated otherwise. Cutting and fabrications shall be performed on equipment which produces snug-fitting joints and plates. This design was prepared in accordance with "National Design Specifications for Steel-Built Trusses and its Fastenings" (NDS), "Design Specifications for Light Metal Framing Connected Wood Trusses" (TWP), and HUD Design Criteria for Trussed Rafters.

ROBBINS
Engineering Inc.
P.O.Box 280035, Tampa, FL 33682

FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FAB. TO REVIEW THIS DRWG. &
VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS LAYOUTS.

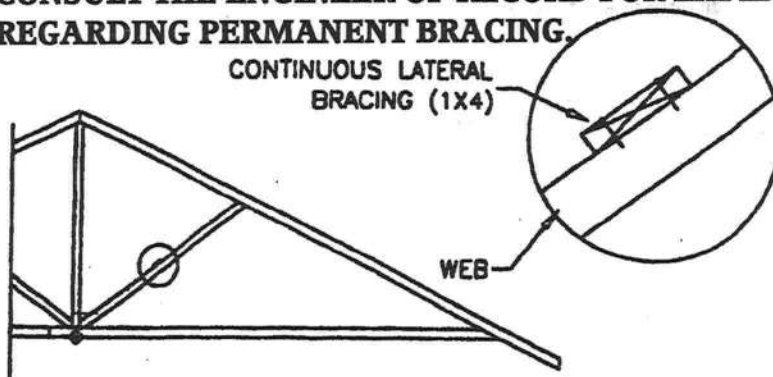
Designed By: MG
Checked By: PO
Rev. Date: 12/02/05
Dwg. No: GD-69



Philip J. O'Regan, P.E. Lic. #58128
Robbins Engineering
8904 Park East Blvd
Tampa, FL 33610
FL Cert #5555

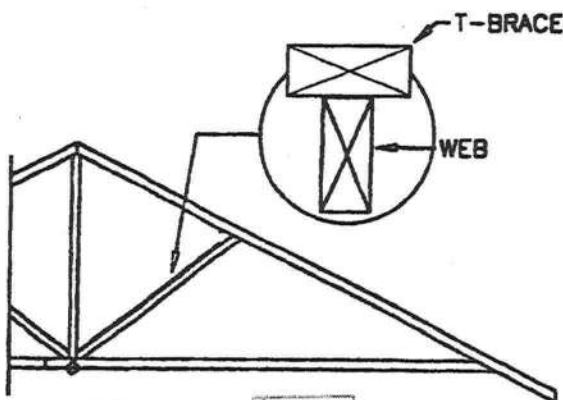
PERMANENT WEB BRACING

SEE INSIDE DESIGN MANUAL FOR BCSI PERMANENT BRACING
INSTALLATION INSTRUCTIONS AND FOR FURTHER INFORMATION.
CONSULT THE ENGINEER OF RECORD FOR EXPLICIT INSTRUCTION
REGARDING PERMANENT BRACING.



CONTINUOUS LATERAL BRACING

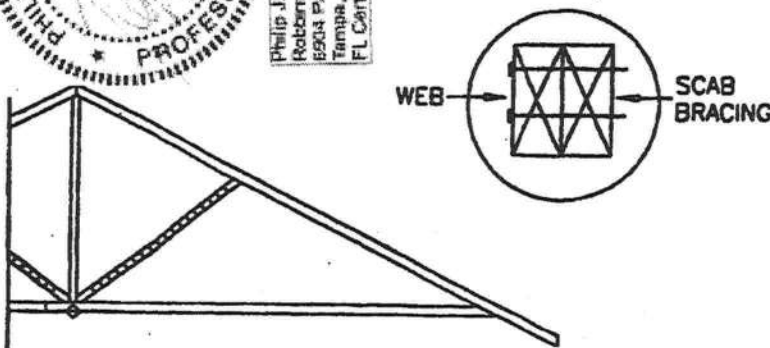
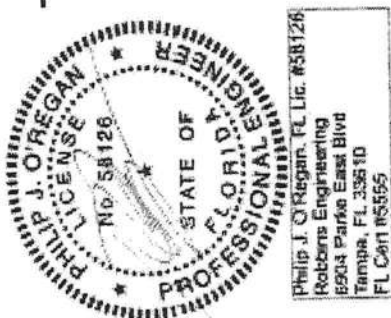
1x4 #3 HEM-FIR OR
BETTER CONTINUOUS LATERAL
BRACING TO BE EQUALLY SPACED.
ATTACH WITH (2) 8d NAILS.
BRACING MATERIAL TO BE SUPPLIED
AND ATTACHED AT BOTH ENDS
TO A SUITABLE SUPPORT BY
ERECTION CONTRACTOR.



T-BRACE

THESE DETAILS APPLY TO 1.5" WIDE WOOD
TRUSSES.

- USE A 2x4 T-BRACE IF THE TRUSS DESIGN SPECIFIES ONE LATERAL BRACE (MID POINT OF WEB).
- USE A 2x6 T-BRACE IF THE TRUSS DESIGN SPECIFIES TWO LATERAL BRACES (AT THE THIRD POINTS OF THE WEB).
- USE A CONTINUOUS PIECE FOR THE T-BRACE, OF THE SAME GRADE AS THE WEB AND COVERING AT LEAST 90% OF THE WEB LENGTH.
- CENTER THE T-BRACE ON THE WEB AND FASTEN WITH 10d COMMON NAILS SPACED 4" ON CENTER.



SCAB BRACE

SCAB BRACE SAME SIZE, GRADE,
AND LENGTH AS WEB MEMBER.
ATTACH WITH 10d NAILS @ 4" O.C.
BRACING MATERIAL TO BE SUPPLIED
BY ERECTION CONTRACTOR.

General detail for repair of broken, damaged or cut chords of PC42 floor trusses that meet the following conditions.

- * Chord size must be maximum 4x2 and southern pine species.
- * Scab must be at minimum the same size and grade as broken chord. Wide face of scab must be attached to narrow face of chord member.

* Truss must be single ply.

* No more than two broken or cracked chords per truss.

* Perimeter of break area must be minimum of X distance from end of truss.

and minimum of 4" away from any plates at panel points. All plates must be intact and fully embedded.

C = Maximum length of damaged area or cut section not to exceed 12".

S = Overall length of scab member must be equal or greater than $2(X)+C$.

X = Minimum length of scab member at each end of break area.

Refer to following table for minimum length of scab, and minimum number of nails at each end of break area and maximum axial force of broken member.

For all lumber, plates, web bracing, etc. refer to original drawing sealed by Robbins Engineering Inc.

- 1) Apply all nails so as to avoid damaging of lumber and loosening of plates at joints.

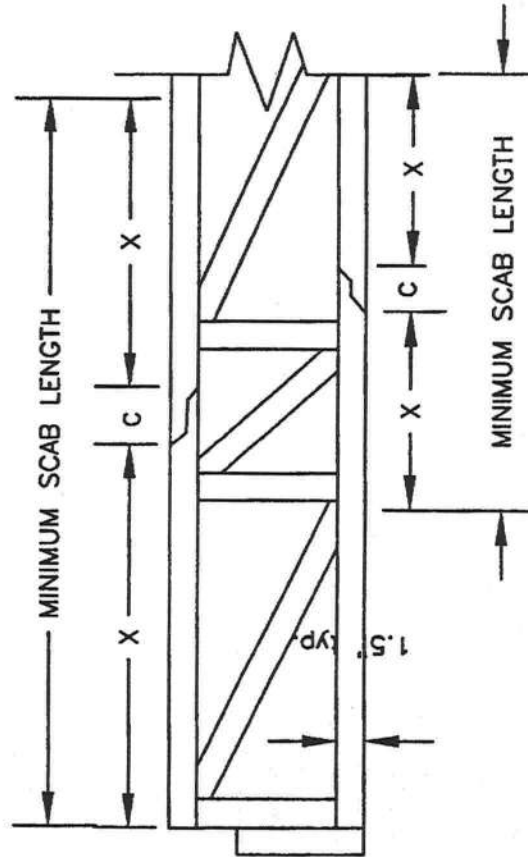
- 2) Attach the scab with one row of 10d common nails at 3" on center into 4x2 chord members.

Axial force and number of nails may be doubled or X distance divided by 2, if scabs applied to each face of truss at the same location. Minimum end distance of 3" must be provided for all members.



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TOTAL NUMBER OF NAILS AT EACH END OF BREAK	X (INCHES)	MAXIMUM AXIAL FORCE IN CHORD MEMBER (LBS.)
4	18	512
6	24	768
8	30	1024
10	36	1280
12	42	1536
14	48	1792
16	54	2048
18	60	2304
20	66	2560
22	72	2816
24	78	3072



Truss manufacturer must be notified if field conditions do not match this general detail.

ROBBINS
Engineering Inc.

P.O. Box 280053, Tampa, FL 33682

ROBBINS LOCK connector plates (20 ga. galv. steel-ASTM A653 SS Grade 40) shall be applied on both faces of truss at each joint. Center the plates unless shown otherwise by circles (o) or dimensions. Unless otherwise indicated by a "V", all slots in plates run parallel with the chords or horizontally at the peak and / or heel. No loose knots or wires in plate contact area. Splice plates shall be applied to the broken chord and the scab member. The scab member shall be attached to the broken chord and the scab member with the same fasteners and its fastenings (NTPA). Design Specifications for Light Metal Plate Connected Wood Trusses (TM), and HUD Design Criteria for Truss Rafter.

Robbins Mfg. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to 148-81 as published by the Truss Plate Institute, 5813 D'Oroville Drive, Suite 200, Madison, Wisconsin 53716. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "doming". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced during erection. Robbins Mfg. Co. is not responsible for the responsibility of others to erection that the design loads shown on this drawing meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FAB. TO REVIEW THIS DRWG. & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS LAYOUTS.

Designed By: MG

Checked By: TAA

Rev. Date: 5/17/04

Dwg. No: GD-62-FL

B4 Construction Loading Cargas de Construcción



Construction loads are those loads imposed on the unfinished building as a result of the construction process. Typical construction loads include the weight of the workers, equipment, and building materials, to name a few. For example, a bundle of plywood sheathing or gypsum board stacked on trusses temporarily creates construction loads.

Cargas de construcción son las cargas que están impuestas a los edificios incompletos como resultado del proceso de construcción. Cargas de construcción típicas incluyen el peso de los trabajadores, el equipo y los materiales de construcción, etcétera. Por ejemplo, un paquete de entablado contrachapado o tabla de yeso apilados temporalmente sobre los trusses crean cargas de construcción.

- ✓ Make sure that the truss assembly is properly restrained and braced according to the guidelines in **BCSI-B1** and **BCSI-B2** before placing any construction loads on them. Construction loads shall only be placed on fully restrained and braced structures.

Asegúrese que el montaje del truss está adecuadamente restringido y arriostrado según las pautas en BCSI-B1 y BCSI-B2 antes de colocar alguna carga de construcción en la estructura. Solamente coloquen cargas de construcción arriba de estructuras cuales son restringidos y arriostrados completamente.

- ⚠ **WARNING!** Stacking excessive amounts of construction materials on floor or roof trusses is an unsafe practice. Property damage, personal injury and/or death are possible if this warning is not heeded.

¡ADVERTENCIA! Apilando cantidades excesivas de cargas de construcción sobre trusses de piso u techo es una práctica peligrosa. Daño a la propiedad, herida personal y/o muerte son posibles si no sigue esta advertencia.

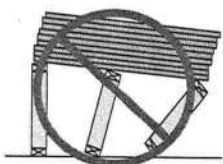
- NOTICE** Trusses that have been over-stressed due to excessive construction loading will usually show excessive sagging (deflection) and at least a portion of this deflection will remain even after the load has been removed. In more severe cases, broken truss members and/or failed truss joints may result.

Los trusses que han sido demasiado estresados debido a cargas de construcción excesivas usualmente demuestran una desviación excesiva, y por lo menos una parte de este desviación se quedarán aún después de que la carga se haya quitada. En casos más severos, miembros quebrados del truss y/o juntas falladas pueden resultar.

CONSTRUCTION LOADING DO'S AND DON'TS QUE HACER Y NO HACER CON LAS CARGAS DE CONSTRUCCIÓN

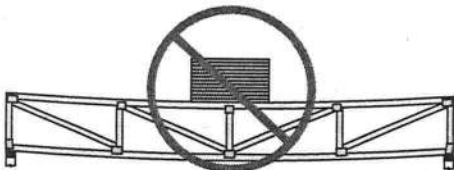
- ⊘ **DON'T** stack materials on unbraced trusses.

NO amontone materiales sobre trusses que no esten arriostrados.



- ⊘ **DON'T** overload the trusses.

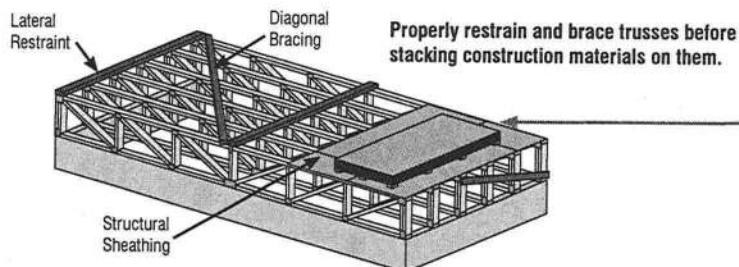
NO sobrecargue los trusses.



- ⊘ **DON'T** exceed stack heights listed in the table.
- NO exceda la altura de montón indicada en la tabla que sigue.*

Maximum Stack Height for Material on Trusses Maximua Altura de Montón para Material encima de los Trusses	
Material – Material	Height – Altura
Gypsum Board – Tabla de Yeso	12" – 12 pulgadas
Plywood or OSB – Madera Contrachapada u OSB	16" – 16 pulgadas
Asphalt Shingles – Teja de Asfalto	2 bundles – 2 paquetes
Concrete Block – Bloque de Hormigón	8" – 8 pulgadas
Clay Tile – Teja de Arcilla	3-4 tiles – 3-4 azulejos

Note: Limit stacking periods to approximately one week, unless alternative information is provided by the Building Designer, Truss Designer or Truss Manufacturer.



B4ConstLoad 090520

SPANS OVER 60' MAY REQUIRE COMPLEX PERMANENT BRACING. PLEASE ALWAYS CONSULT A PROFESSIONAL ENGINEER

- WARNING!** Disregarding Permanent Restraint/Bracing is a major cause of truss field performance problems and has been known to lead to roof or floor systems collapse.
- ¡ADVERTENCIA!** Descuidar el Arrioste/Restricción Permanente es una causa principal de problemas de rendimiento del truss en campo y ha sido conocido a llevar al derrumbamiento del sistema del techo o piso.
- CAUTION!** Spans over 60' may require complex permanent bracing. Please always consult a Registered Design Professional.
- ¡CUIDADO!** Tramos sobre 60 pies pueden requerir arrioste permanente complejo. Por favor, siempre consulte a un Profesional Registrado de Diseño.

RESTRAINT/BRACING MATERIALS & FASTENERS MATERIALES Y CIERRES DE RESTRICCIÓN/ARRIOSTRE

- Common restraint/bracing materials include wood structural panels, gypsum board sheathing, stress-graded lumber, proprietary metal products, and metal purlins and straps.
- Materiales comunes de arrioste/restringir incluyen paneles estructurales de madera, entablado de yeso, madera graduada por esfuerzo, productos de metal patentados, y vigas de soporte y tiras de metal.

Lumber Size	Minimum Nail Size	Minimum Number of Nails per Connection
2x4 stress-graded	10d (0.128x3") 12d (0.128x3.25") 16d (0.131x5")	2
2x6 stress-graded	10d (0.128x3") 12d (0.128x3.25") 16d (0.131x5")	3

Other attachment requirements may be specified by the Truss Designer or Building Designer.

The size and attachment for bracing materials such as wood structural panels, gypsum board sheathing, proprietary metal restraint/bracing products, and metal purlins and straps are provided by the Building Designer.

PERMANENT BRACING FOR THE VARIOUS PLANES OF A TRUSS ARRIOSTRE PERMANENTE PARA VARIOS PLANOS DE UN TRUSS

- Permanent Bracing is important because it:
- prevents out-of-plane buckling of truss members,
 - helps maintain proper truss spacing, and
 - resists and transfers lateral loads from wind and seismic forces.
- El arrioste Permanente es importante porque:
- impide el torcer fuera-de-plano de los miembros del truss,
 - ayuda en mantener espaciamento apropiado de los trusses, y
 - resiste y pasa las cargas laterales de viento y fuerzas sísmicas aplicadas al sistema del truss.

- Trusses require Permanent Bracing within ALL of the following planes:
- Top Chord Plane
 - Bottom Chord Plane
 - Web Member Plane

Trusses requieren Arrioste Permanente dentro de TODOS los siguientes planos:

- Plano de la Cuerda Superior
- Plano de la Cuerda Inferior
- Plano del Miembro Secundario

- CAUTION!** Without Permanent Bracing the truss, or a portion of its members, will buckle (i.e., fail) at loads far less than design.
- ¡CUIDADO!** Sin el Arrioste Permanente, del truss, o un parte de los miembros, torcerán (ej. fallarán) de cargas muchas menos que las cargas que el truss es diseñado a llevar.

1. PERMANENT BRACING FOR THE TOP CHORD PLANE

1. ARRIOSTRE PERMANENTE PARA EL PLANO DE LA CUERDA SUPERIOR

- Use plywood, oriented strand board (OSB), or wood or metal structural purlins that are properly braced.
- Use contrachapado, panel de fibras orientadas (OSB), o vigas de soporte de madera o metal que son arriostros apropiadamente.

- The Truss Design Drawing (TDD) provides information on the assumed support for the top chord.
- El Dibujo del Diseño de Truss (TDD) provee información sobre el soporte supuesto para la cuerda superior.

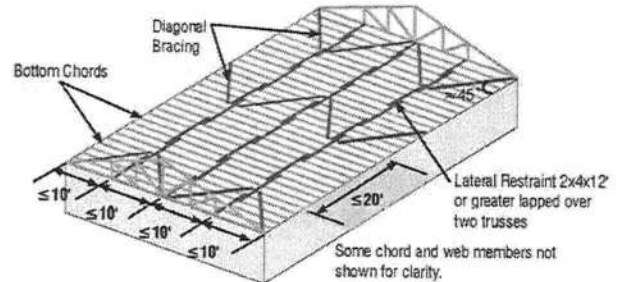
- Fastener size and spacing requirements and grade for the sheathing, purlins and bracing are provided in the building code and/or by the Building Designer.
- El tamaño de cierre y requisitos de espaciamento y grado para el entablado, vigas de soporte y arrioste son provistos en el código del edificio y/o por el Diseñador del Edificio.

2. PERMANENT BRACING FOR THE BOTTOM CHORD PLANE

2. ARRIOSTRE PERMANENTE PARA EL PLANO DE LA CUERDA INFERIOR

- Use rows of continuous Lateral Restraint with Diagonal Bracing, gypsum board sheathing or rigid ceiling.
- Use filas de Restricción Lateral Continua con Arrioste Diagonal, entablado de yeso o techo rígido.

- The TDD provides information on the assumed support for the bottom chord.
- El TDD provee información sobre el soporte supuesto para la cuerda inferior.
- Install bottom chord permanent Lateral Restraint at the spacing indicated on the TDD and/or by the Building Designer with a maximum of 10' on center.
- Instale Restricción Lateral permanente de la cuerda inferior al espaciamento indicado en el TDD y/o por el Diseñador del Edificio con un máximo de 10 pies en el centro.



Lateral Restraint and Diagonal Bracing used to brace the Bottom Chord Plane.

3. PERMANENT BRACING FOR THE WEB MEMBER PLANE

3. ARRIOSTRE PERMANENTE PARA EL PLANO DEL MIEMBRO SECUNDARIO

Web Member Permanent Bracing collects and transfers buckling restraint forces and/or lateral loads from wind and seismic forces. The same bracing can often be used for both functions.

Arrioste Permanente de los Miembros Secundarios recogen y pasan fuerzas de restricción de torcer y/o cargas laterales de viento y fuerzas sísmicas. A menudo el mismo arrioste puede ser usado para ambos funciones.

Individual Web Member Permanent Restraint & Bracing Restricción y Arrioste Permanente de Miembros Secundarios Individuales

- Check the TDD to determine which web members (if any) require restraint to resist buckling.
- Revisa el TDD para determinar cuales miembros secundarios (si algunos) requieren restricción para resistir el torcer.

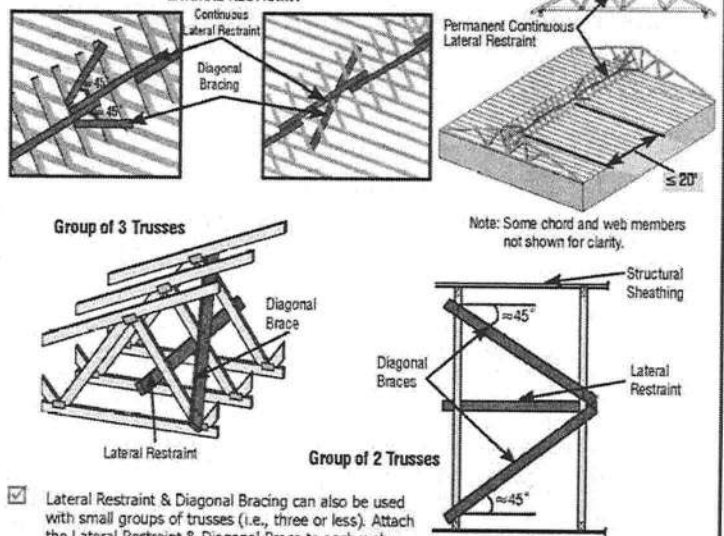
- Restrain and brace with:
- Continuous Lateral Restraint & Diagonal Bracing, or
 - Individual Member Web Reinforcement.
- Restrinja y arrioste con:
- Restricción Lateral Continua y Arrioste Diagonal, o
 - Refuerzo de Miembros Secundarios Individuales.

A. Continuous Lateral Restraint (CLR)

A. Restricción Lateral Continua (CLR) y Arrioste Diagonal

- Attach the CLR at the locations shown on the TDD.
- Sujete el CLR en las ubicaciones mostrados en el TDD.
- Install the Diagonal Bracing at approximately 45° to the CLR and position so that it crosses the web in close proximity to the CLR. Attach the Diagonal Brace as close to the Top and Bottom Chords as possible and to each web it crosses. Repeat every 20' or less.
- Instale el Arrioste Diagonal a aproximadamente 45 grados al CLR y lo coloque para que cruce la cuerda muy cerca del CLR. Sujete el Arrioste Diagonal como cercano a las cuerdas inferior y superior como sea posible y a cada cuerda que lo cruza. Repita cada 20 pies o menos.

EXAMPLES OF DIAGONAL BRACING WITH CONTINUOUS LATERAL RESTRAINT



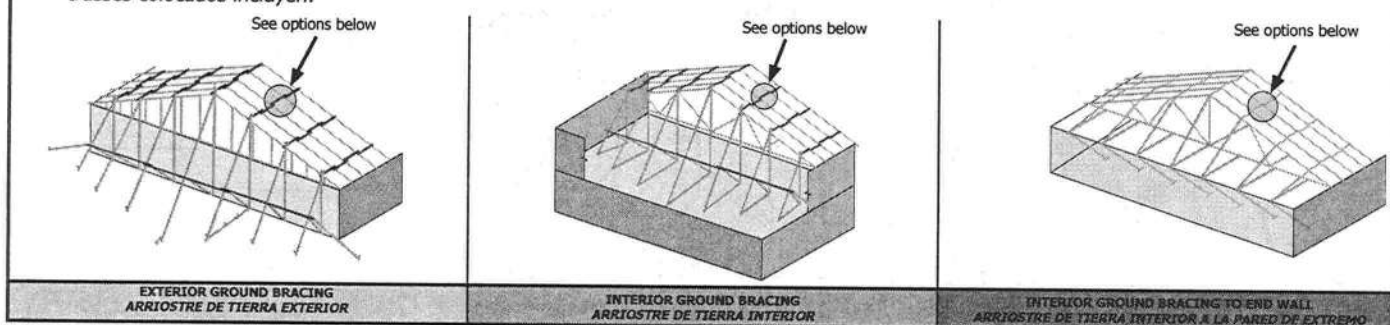
- Lateral Restraint & Diagonal Bracing can also be used with small groups of trusses (i.e., three or less). Attach the Lateral Restraint & Diagonal Brace to each web member that they cross.
- Restricción Lateral y Arrioste Diagonal también puede ser usado con grupos pequeños de trusses (ej. tres o menos). Sujete la Restricción Lateral y el Arrioste Diagonal a cada miembro secundario que los cruzan.

RESTRICCIÓN / ARRIOSTRE PERMANENTE DE LAS CUERDAS Y LOS MIEMBROS SECUNDARIOS

TRAMOS DE 60' PIES PUEDEN REQUERIR ARRIOSTRE PERMANENTE COMPLEJO. POR FAVOR, SIEMPRE CONSULTE A UN PROFESIONAL DE DISEÑO REGISTRADO.

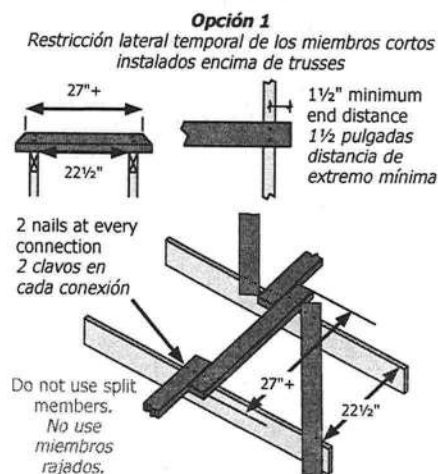
4. Set Trusses 2, 3, 4 & 5 with TCTLR in Line with Ground Bracing Coloque los Trusses 2, 3, 4 y 5 con TCTLR en Línea con los Arriostres de Tierra

- ✓ Attach trusses securely at all bearings, shimming bearings as necessary. Examples of first five trusses set include:
Sujete seguramente los trusses a todos los soportes, rellenar sólidamente los soportes como sea necesario. Ejemplos de los primeros cinco trusses colocados incluyen:

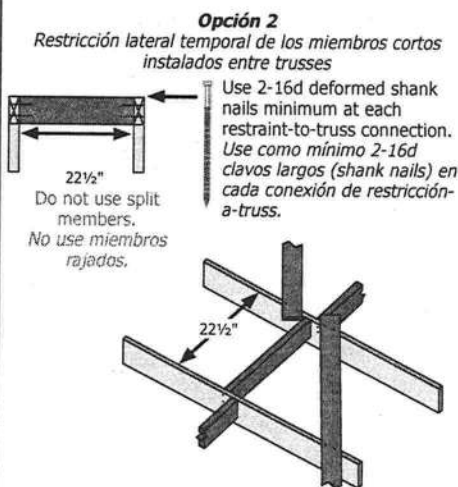


NOTICE The following three (3) Short Member Temporary Lateral Restraint options **require that the diagonal bracing be installed continuously.**
Las siguientes tres opciones para instalar la Restricción Lateral Temporal de los Miembros Cortos requieren que el arriostre diagonal esté instalado continuamente.

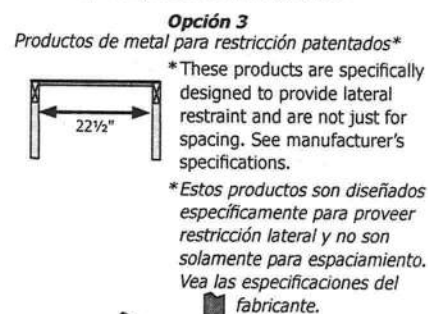
Option 1
Short member temporary lateral restraint installed on top of trusses



Option 2
Short member temporary lateral restraint installed between trusses



Option 3
Proprietary metal restraint products*



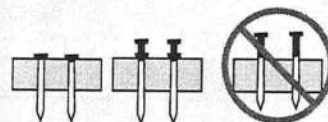
CAUTION! Each truss must be attached securely at each bearing and all TCTLR installed before removing the hoisting supports.

Cada truss tiene que ser sujeta seguramente en cada soporte y todas las TCTLR instaladas antes de quitar los soportes de levantar.

LATERAL RESTRAINT/BRACING MATERIAL AND CONNECTIONS CONNEXIONES Y MATERIALES DE RESTRICCIÓN/ARRIOSTRE LATERAL

- ✓ Minimum size of bracing and lateral restraint material is 2x4 stress-graded lumber or approved proprietary metal restraint/bracing, unless otherwise specified by the building designer.
El tamaño del material de restricción lateral y arriostre debe ser por lo menos 2x4 madera graduada por esfuerzo o restricción/arriostre de metal patentado aprobado, a menos que especifique el diseñador del edificio.
- ✓ All bracing and lateral restraint members must be connected to each truss with at least 2 nails (see minimum sizes shown below), except for the short member restraints shown in Step 4, Option 2 (see above), which require 2-16d deformed-shank (i.e., ring- or screw-shank) nails.
Todos los miembros de restricción lateral y arriostre tienen que ser conectados a cada truss con un mínimo de 2 clavos (ver los tamaños mínimos mostrados abajo) excepto para las restricciones de miembros cortos mostrados en el Paso 4, Opción 2 (vea arriba), cuales requieren 2-16d clavos con largos de formados (Ej. Largos de anillos o tornillos).
- ✓ Drive nails flush, or use double-headed nails for easiest removal.
Clave los clavos al raso, o use clavos de dos cabezas para quitarlos más fácilmente.

10d (0.128x3")
12d (0.128x3.25")
16d (0.131x3.5")



B2 Truss Installation & Temporary Restraint/Bracing Instalación de Trusses & Restricción/Arriostre Temporal

FOR TRUSSES UP TO 2'-0" ON-CENTER AND 80'-0" IN LENGTH

PARA TRUSSES HASTA 2 PIES EN CENTRO Y HASTA 80 PIES DE LONGITUD

WARNING! Spans over 60' require more complex temporary installation restraint/bracing. Consult a registered design professional.

Los tramos más de 60 pies requieren restricción/arriostre de instalación temporal más complejo. Consulte a un profesional registrado de diseño.

DANGER! Disregarding handling, installing, restraining and bracing safety recommendations is the major cause of truss erection/installation accidents.

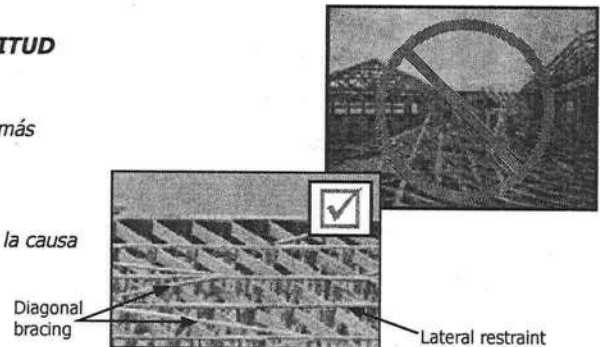
El no seguir las recomendaciones de manejo, instalación, restricción y arriostre es la causa principal de los accidentes durante la erección/instalación de trusses.

NOTICE Lateral restraint is NOT adequate without diagonal bracing.

La Restricción Lateral NO es adecuada sin el Arriostre Diagonal.

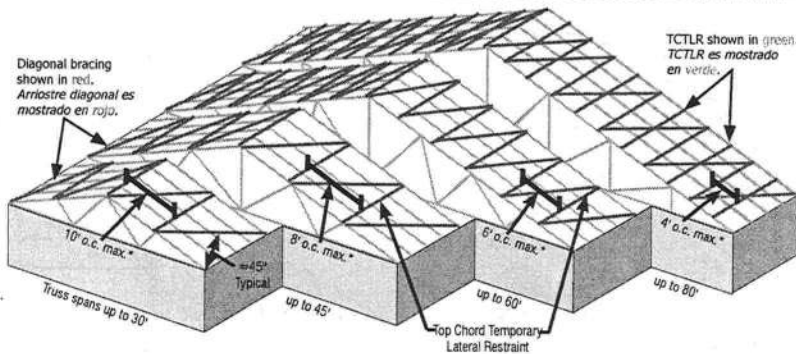
☒ Always diagonally brace for safety!

¡Siempre arriostre diagonalmente para seguridad!



MAXIMUM SPACING FOR TOP CHORD TEMPORARY LATERAL RESTRAINT (TCTLR)

EL ESPACIAMIENTO MÁXIMO PARA LA RESTRICCIÓN LATERAL TEMPORAL DE LA CUERDA SUPERIOR (TCTLR)



The graphic at left shows the maximum on-center spacing (see * at left) of TCTLR based on truss span from the table in Step 2 on page 2.

- Ground bracing not shown for clarity.
- Apply diagonal bracing or structural sheathing immediately. For spans over 60' applying structural sheathing immediately is the preferred method.

El dibujo a la izquierda muestra el espaciamiento máximo en el centro (vea * a la izquierda) del TCTLR basado en los tramos de trusses de la tabla en el Paso 2 en la página 2.

- No se muestra el arriostre de tierra para claridad.
- Aplique inmediatamente el Arriostre Diagonal o el Entablado Estructural (structural sheathing). Para tramos más de 60 pies el método preferido es entablarlos inmediatamente.

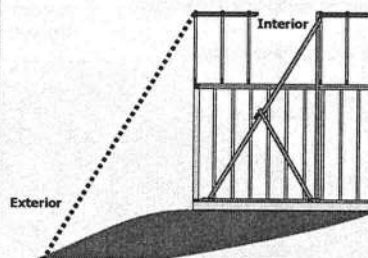
CHECK THESE ITEMS BEFORE STARTING ERECTION/INSTALLATION AND CORRECT AS NEEDED

REVISE ESTOS PUNTOS ANTES DE EMPEZAR LA ERECCIÓN/INSTALACIÓN Y CORRÍJALOS CUANDO ES NECESARIO

- ☒ Building dimensions match the construction documents.
Las dimensiones del edificio concuerdan con los documentos de construcción.
- ☒ Bearing supports (e.g., walls, columns, headers, beams, etc.) are accurately and securely installed, plumb and properly braced.
Los soportes que sostienen cargas (ej., paredes, columnas, vigas de cabecera, vigas, etcétera) son instalados seguramente y con precisión, y son nivelados y arriostrados apropiadamente.
- ☒ Hangers, tie-downs, restraint and bracing materials are on site and accessible.
Los colgadores (hangers), soportes de anclaje (tie-downs) y materiales de restricción y arriostre están accesibles en la obra.
- ☒ Erection/installation crew is aware of installation plan and lateral restraint/diagonal bracing requirements.
El personal de erección/instalación es consciente del plan de instalación y los requisitos de restricción/arriostre.
- ☒ Multi-ply trusses, including girders, are correctly fastened together prior to lifting into place.
Los trusses de varias capas, incluyendo travesaños, son fijados juntos correctamente antes de levantarlos en lugar.
- ☒ Any truss damage is reported to truss manufacturer. Refer to BCSI-B5.***
Do not install damaged trusses unless instructed to do so by the building designer, truss designer or truss manufacturer.
Algún daño a los trusses ha sido reportado al fabricante de trusses. Vea el resumen BCSI-B5.*** No instale trusses dañados a menos que se dijeren el diseñador del edificio, el diseñador del truss o el fabricante del truss.

- ☒ Trusses are the correct dimension.
Los trusses son la dimensión correcta.
- ☒ Tops of bearing supports are flat, level and at the correct elevation.
La parte superior de los soportes de cojinete son planas, niveladas y a la elevación correcta.
- ☒ Jobsite is clean and neat, and free of obstructions.
La obra está limpia, ordenada y sin obstrucciones.

- ☒ Ground bracing procedure for first truss is based on site and building configuration.
El procedimiento de Arriostre de Tierra para el primer truss es basado en el terreno y la configuración del edificio.



If ground level is too far from truss for exterior ground bracing, use interior ground bracing.

Si el nivel del terreno es demasiado lejos para usar Arriostre de Tierra exterior, use Arriostre de Tierra interior.

BCSI-B1 SUMMARY SHEET GUIDE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES SPANS OVER 60' MAY REQUIRE COMPLEX PERMANENT BRACING. PLEASE ALWAYS CONSULT A PROFESSIONAL ENGINEER

GENERAL NOTES

Trusses are not marked in any way to identify the frequency or location of temporary lateral restraint and diagonal bracing. Follow the recommendations for handling, installing and temporary restraining and bracing of trusses. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses*** for more detailed information.

Truss Design Drawings may specify locations of permanent lateral restraint or reinforcement for individual truss members. Refer to the BCSI-B3 Summary Sheet - Permanent Restraint/Bracing of Chords & Web Members*** for more information. All other permanent bracing design is the responsibility of the Building Designer.

Warning! The consequences of improper handling, erecting, installing, restraining and bracing can result in a collapse of the structure, or worse, serious personal injury or death.

El resultado de un manejo, levantamiento, instalación, restricción y arrioste incorrecto puede ser la caída de la estructura o aún peor, heridos o muertos.

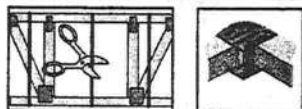
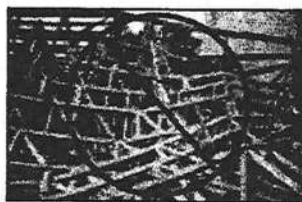
Warning! Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

Empaques y placas de metal tienen bordes afilados. Lleve guantes y lentes protectores cuando corte los empaques.

NOTAS GENERALES

Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y arrioste diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arrioste temporal de los trusses. Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arrioste de los Trusses de Madera Conectados con Placas de Metal*** para información más detallada.

Los dibujos de diseño de los trusses pueden especificar las localizaciones de restricción lateral permanente o refuerzo en los miembros individuales del truss. Vea la hoja resumen BCSI-B3 - Restricción/Arrioste Permanente de Cuerdas y Miembros Secundarios*** para más información. El resto de los diseños de arriostres permanentes son la responsabilidad del Diseñador del Edificio.

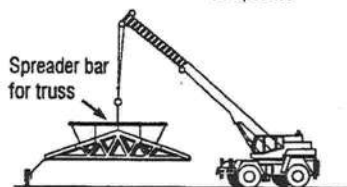


HANDLING — MANEJO

Warning! Avoid lateral bending. — Evite la flexión lateral.



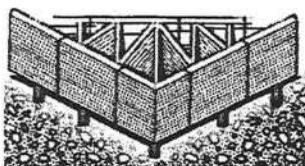
Warning! Use special care in windy weather or near power lines and airports. Utilice cuidado especial en días ventosos o cerca de cables eléctricos o de aeropuertos.



Warning! Use proper rigging and hoisting equipment. Use equipo apropiado para levantar e improvisar.

Warning! The contractor is responsible for properly receiving, unloading and storing the trusses at the jobsite.

El contratista tiene la responsabilidad de recibir, descargar y almacenar adecuadamente los trusses en la obra.



Warning! If trusses are to be stored horizontally, place blocking of sufficient height beneath the stack of trusses at 8' to 10' on center.

For trusses stored for more than one week, cover bundles to prevent moisture gain but allow for ventilation.

Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses*** for more detailed information pertaining to handling and jobsite storage of trusses.

Si los trusses estarán guardados horizontalmente, ponga bloqueando de altura suficiente detrás de la pila de los trusses a 8 hasta 10 pies en el centro.

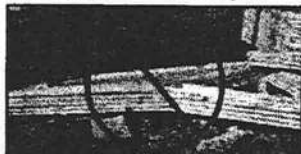
Para trusses guardados por más de una semana, cubra los paquetes para prevenir aumento de humedad pero permita ventilación.

Vea el folleto BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arrioste de los Trusses de Madera Conectados con Placas de Metal*** para información más detallada sobre el manejo y almacenamiento de los trusses en área de trabajo.

Warning! Do not store unbraced bundles upright. No almacene verticalmente los trusses sueltos.



Warning! Do not store on uneven ground. No almacene en tierra desigual.



HOISTING RECOMMENDATIONS FOR TRUSS BUNDLES RECOMENDACIONES PARA LEVANTAR PAQUETES DE TRUSSES.

- Warning!** Don't overload the crane. ¡Advertencia! ¡No sobrecargue la grúa!
- Warning!** Never use banding alone to lift a bundle. Do not lift a group of individually banded bundles. Nunca use sólo los empaques para levantar un paquete. No levante un grupo de paquetes empaqueados individualmente.
- Warning!** A single lift point may be used for bundles with trusses up to 45'. Two lift points may be used for bundles with trusses up to 60'. Use at least 3 lift points for bundles with trusses greater than 60'. Puede usar un solo lugar de levantar para paquetes de trusses hasta 45 pies. Puede usar dos puntos de levantar para paquetes hasta 60 pies. Use por lo menos tres puntos de levantar para paquetes más de 60 pies.

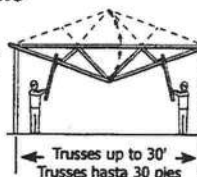
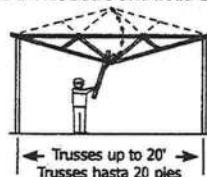


- Warning!** Do not over load supporting structure with truss bundle. ¡Advertencia! No sobrecargue la estructura apoyada con el paquete de trusses.
- Warning!** Place truss bundles in stable position. Puse paquetes de trusses en una posición estable.

INSTALLATION OF SINGLE TRUSSES BY HAND

INSTALACIÓN DE TRUSSES INDIVIDUALES POR LA MANO

- Warning!** Trusses 20' or less, support at peak. Soporte del pico los trusses de 20 pies o menos. Trusses up to 20' / Trusses hasta 20 pies.
- Warning!** Trusses 30' or less, support at quarter points. Soporte de los cuartos de tramo los trusses de 30 pies o menos. Trusses up to 30' / Trusses hasta 30 pies.



HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALES

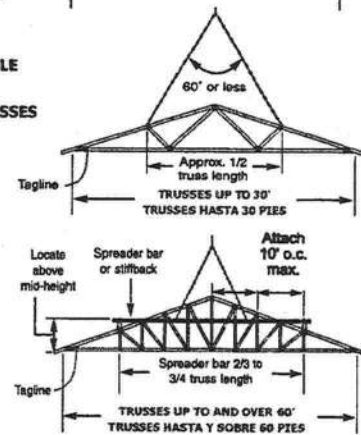
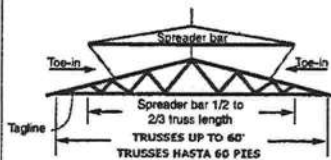
- Warning!** Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points. Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalado y el truss está asegurado en los soportes.

Warning! Using a single pick-point at the peak can damage the truss. ¡Advertencia! El uso de un solo lugar en el pico para levantar puede hacer daño al truss.



HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES

RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES



TEMPORARY RESTRAINT & BRACING RESTRICCIÓN Y ARRIOSTRE TEMPORAL

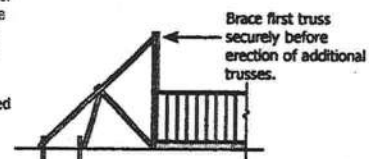
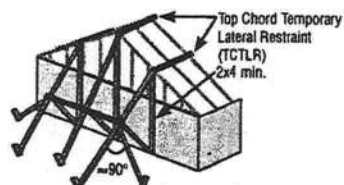
Warning! Refer to BCSI-B2 Summary Sheet - Truss Installation & Temporary Restraint/Bracing*** for more information.

Vea el resumen BCSI-B2 - Instalación de Trusses y Restricción/Arrioste Temporal*** para más información.

Warning! Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

Coloque los arriostres de tierra para el primer truss directamente en línea con cada una de las filas de restricción lateral temporal de la cuerda superior (vea la tabla en la próxima columna).

Warning! Do not walk on unbraced trusses. No camine en trusses sueltos.



HOJA RESUMEN DE LA GUÍA DE BUENA PRACTICA PARA EL MANEJO, INSTALACION, RESTRICCIÓN Y ARRIOSTRE DE LOS TRUSSES
VANOS MAS DE 60' PIES PUEDEN REQUERIR ARRIOSTRE PERMANENTE COMPLEJO. POR FAVOR, SIEMPRE CONSULTE A UN INGENIERO PROFESSIONAL

ONLINE PLUS GENERAL NOTES & SYMBOLS

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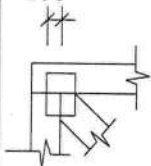


PLATE LOCATION

Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

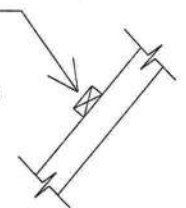
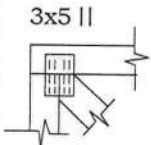


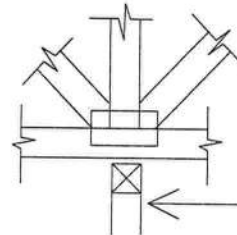
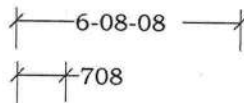
PLATE SIZE AND ORIENTATION



The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA), "National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "dominoing". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

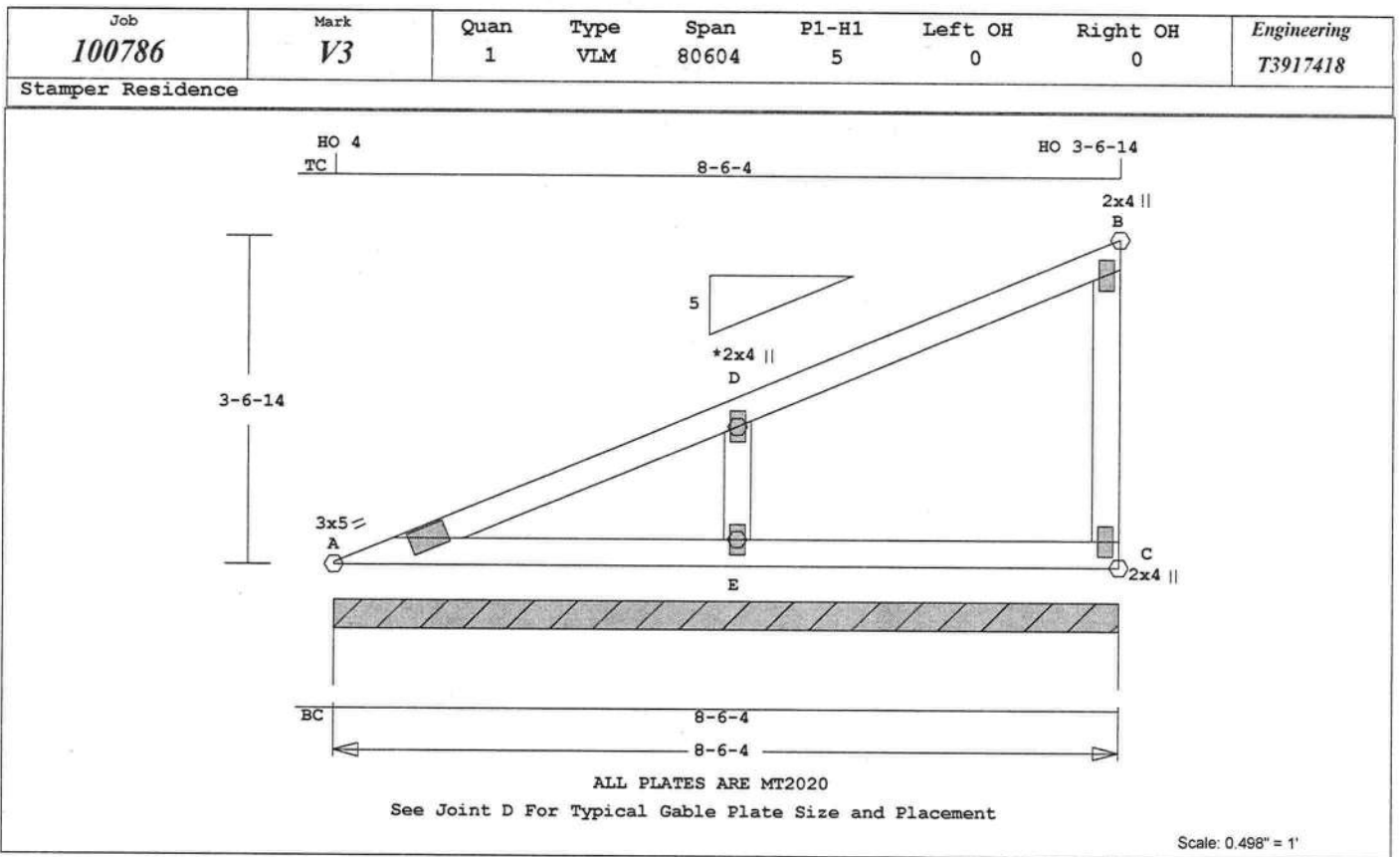
FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.



MiTek Industries, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117



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RUN DATE: 04-NOV-10

CSI	-Size-	-----Lumber-----
TC	0.18	2x 4 SP-#2
BC	0.09	2x 4 SP-#2
WB	0.33	2x 4 SP-#3
GW	0.15	2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	8- 6- 4
BC Cont.	0- 0- 0	8- 6- 4

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	693	67 U	200 R

Jt	Brg Size	Required
A	102.2"	0"-to- 102"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -D	0.14	125 C	0.00 0.14
D -B	0.18	56 C	0.00 0.18
-----Bottom Chords-----			
A -E	0.09	2 T	0.00 0.09

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 40.3 LBS

E -C	0.09	0 T	0.00 0.09
-----Webs-----			
C -B	0.33	180 T	0.04 0.29
-----Gable Webs-----			
E -D	0.15	313 T	0.07 0.08
TL Defl	0.00" in A -E L/999		
LL Defl	0.00" in E -C L/999		
Shear // Grain	in D -B 0.19		

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.49
D MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 2.0x 4.0 Ctr Ctr 0.13
E MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002

Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 232 Lbs
Max tens. force 313 Lbs
Connector Plate Fabrication
Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



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November 4, 2010

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CSI -Size- ----Lumber----

TC	0.30	2x 4	SP-#2
BC	0.31	2x 4	SP-#2
WB	0.07	2x 4	SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 12- 6- 0	
BC Cont.	0- 0- 0 12- 6- 0	

psf-Ld Dead Live

TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"

Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (lbs)

Jt	Down	Uplift	Horiz-
A	462	56	U
C	521	68	U

Jt Brg Size Required

A	3.5"	1.5"
C	3.5"	1.5"

Plus 7 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----

A -B	0.30	659 C	0.06	0.24
B -C	0.30	659 C	0.06	0.24

-----Bottom Chords-----

A -D	0.31	612 T	0.10	0.21
------	------	-------	------	------

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 56.1 LBS

D -C 0.31 612 T 0.10 0.21

-----Webs-----

D -B 0.07 272 T

TL Defl -0.06" in A -D L/999
 LL Defl -0.03" in A -D L/999
 Shear // Grain in A -B 0.23

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI

A	MT20	3.0x 5.0	Ctr	Ctr	0.49
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
C	MT20	3.0x 5.0	Ctr	Ctr	0.49
D	MT20	2.0x 4.0	Ctr	Ctr	0.25

REVIEWED BY:
 MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
 RIDGWAY ROOF TRUSS

Analysis Conforms To:
 FBC2007
 TPI 2002

OH Loading
 Soffit psf 2.0

This truss has been designed
 for 20.0 psf LL on the B.C.
 in areas where a rectangle
 3- 6- 0 tall by
 2- 0- 0 wide
 will fit between the B.C.
 and any other member.

Design checked for 10 psf non-

concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-05
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 13-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 4.0 psf
 BC Dead Load: 6.0 psf
 Max comp. force 659 Lbs
 Max tens. force 612 Lbs
 Connector Plate Fabrication
 Tolerance = 20%

This truss is designed for a
 creep factor of 1.5 which
 is used to calculate total
 load deflection.



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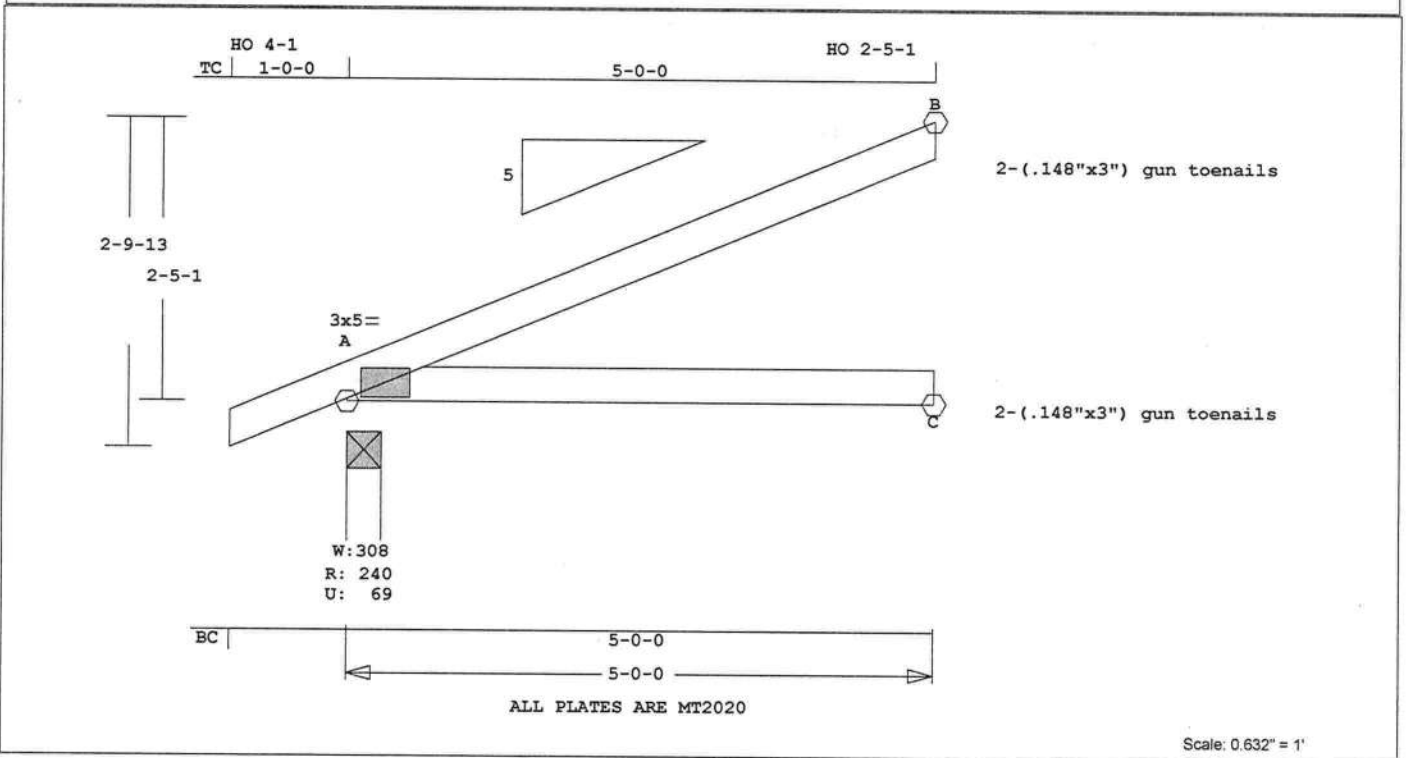


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November 4, 2010

Job 100786	Mark R20	Quan 6	Type JACK	Span 50000	Pl-H1 5	Left OH 1- 0- 0	Right OH 0	Engineering T3917412
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Stamper Residence



Scale: 0.632" = 1'

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RUN DATE: 04-NOV-10

CSI -Size- ----Lumber-----
TC 0.38 2x 4 SP-#2
BC 0.38 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 5- 0- 0
BC Cont. 0- 0- 0 5- 0- 0

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	241	70 U	60 R
C	91	28 U	
B	127	62 U	43 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.38	122 C	0.00	0.38
-----Bottom Chords-----				
A -C	0.38	0 T	0.00	0.38

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.24

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 21.9 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.49

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REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2005
National Design Specification
(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:

RIDGWAY ROOF TRUSS

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 13-0

Exposure Category: B

Occupancy Factor : 1.00

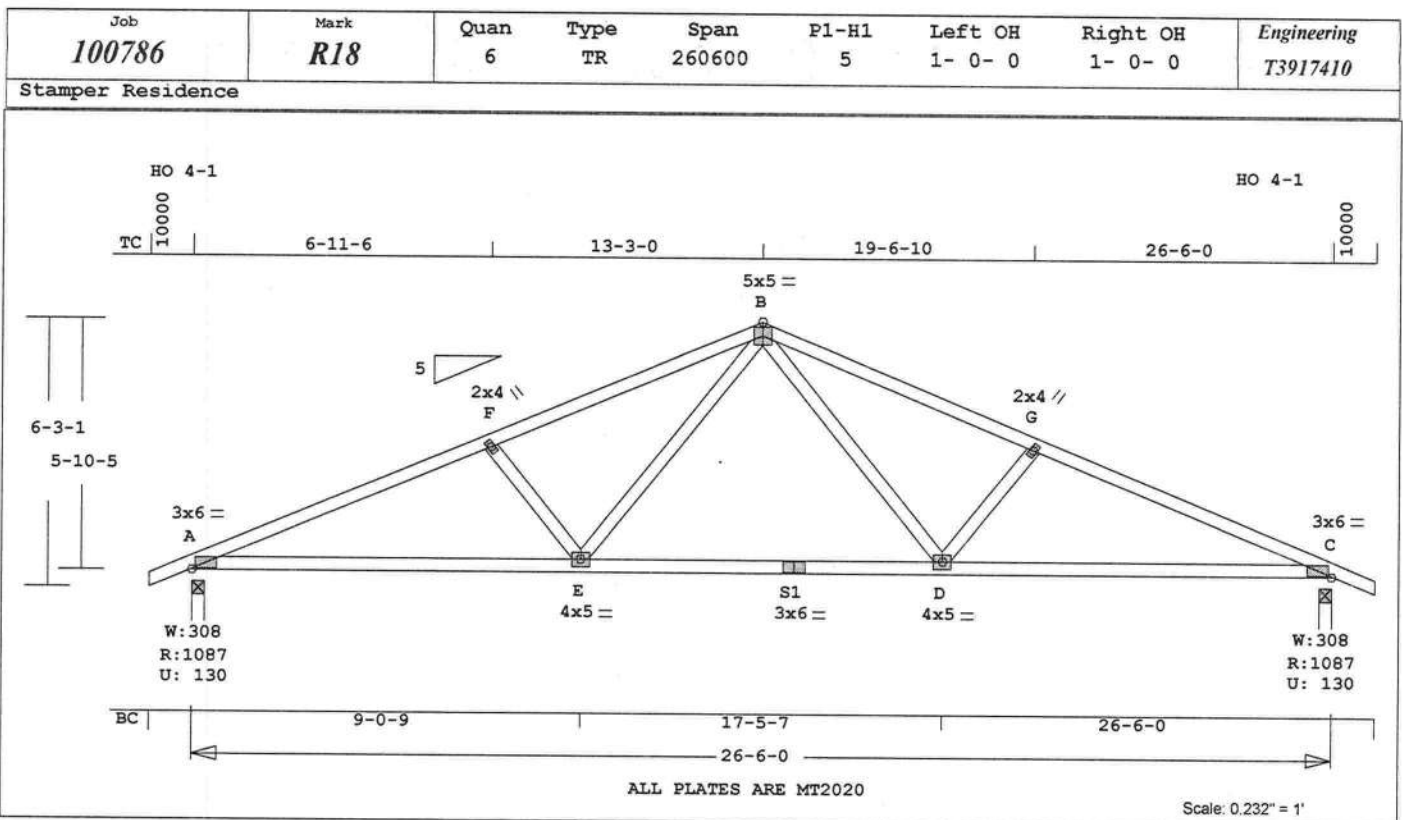
Building Type: Enclosed

TC Dead Load: 4.0 psf

BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 5- 0- 0
Max comp. force 122 Lbs
Max tens. force 26 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



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CSI -Size- ----Lumber----
TC 0.42 2x 4 SP-#2
BC 0.66 2x 4 SP-#2
WB 0.21 2x 4 SP-#3

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	26- 6- 0	
BC Cont.	0- 0- 0	26- 6- 0	

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	
Spacing 24.0"		
Lumber Duration Factor 1.25		
Plate Duration Factor 1.25		
TC Fb=1.15 Fc=1.10 Ft=1.10		
BC Fb=1.10 Fc=1.10 Ft=1.10		

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1087	131 U	99 R
C	1087	131 U	99 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -F	0.42	2001 C	0.12 0.30
F -B	0.41	1781 C	0.11 0.30
B -G	0.41	1781 C	0.11 0.30
G -C	0.42	2001 C	0.12 0.30
-----Bottom Chords-----			
A -E	0.66	1854 T	0.31 0.35
E -S1	0.55	1226 T	0.20 0.35
S1 -D	0.55	1226 T	0.20 0.35
D -C	0.66	1854 T	0.31 0.35
-----Webs-----			

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 147.1 LBS

F	-E	0.09	360 T
E <td>-B</td> <td>0.21</td> <td>664 T</td>	-B	0.21	664 T
B <td>-D</td> <td>0.21</td> <td>664 T</td>	-D	0.21	664 T
D <td>-G</td> <td>0.09</td> <td>360 T</td>	-G	0.09	360 T

TL Defl -0.38" in E -D L/827
LL Defl -0.22" in E -D L/999
Shear // Grain in A -F 0.22

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 Ctr Ctr 0.68
F MT20 2.0x 4.0 Ctr Ctr 0.34
B MT20 5.0x 5.0 Ctr Ctr 0.40
G MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 3.0x 6.0 Ctr Ctr 0.68
E MT20 4.0x 5.0 Ctr Ctr 0.31
S1 MT20 3.0x 6.0 Ctr Ctr 0.76
D MT20 4.0x 5.0 Ctr Ctr 0.31

REVIEWED BY:

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

RIDGWAY ROOF TRUSS

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

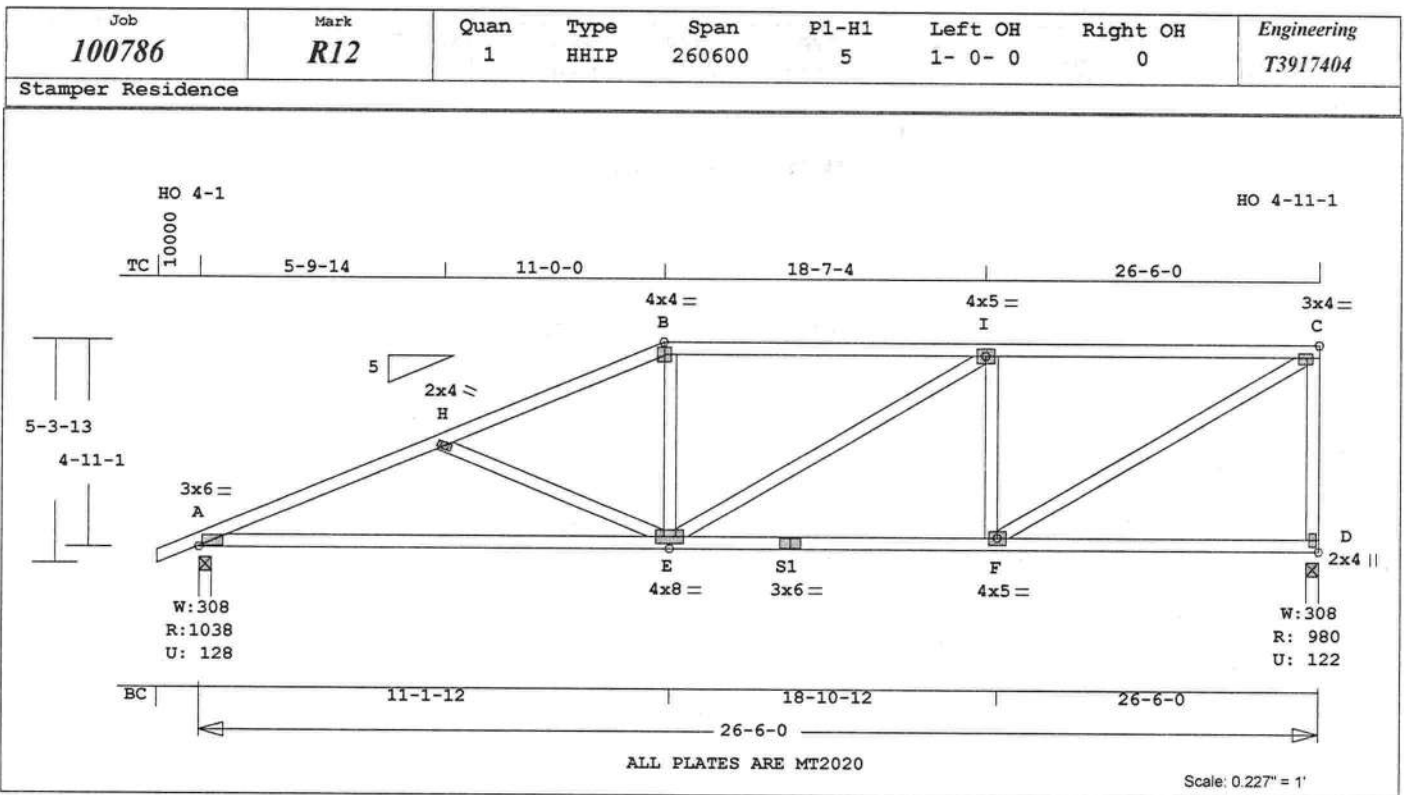
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 2001 Lbs
Max tens. force 1854 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



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November 4, 2010

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CSI -Size- ----Lumber-----
TC 0.65 2x 4 SP-#2
BC 0.67 2x 4 SP-#2
WB 0.86 2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	26- 6- 0
BC Cont.	0- 0- 0	26- 6- 0

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1039	128 U	69 R
D	980	122 U	163 R

Jt	Brg Size	Required
A	3.5"	1.5"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -H	0.34	1892 C	0.01 0.33
B -B	0.29	1506 C	0.09 0.20
B -I	0.65	1390 C	0.01 0.64
I -C	0.65	1226 C	0.01 0.64
-----Bottom Chords-----			
A -E	0.67	1758 T	0.16 0.51
E -S1	0.63	1226 T	0.12 0.51
S1 -F	0.43	1226 T	0.12 0.31
F -D	0.31	127 T	0.00 0.31
-----Webs-----			
H -E	0.26	400 C	
E -B	0.09	358 T	

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 171.7 LBS

E -I	0.19	191 T
F -I	0.23	590 C
F -C	0.86	1435 T
D -C	0.36	913 C WindLd

TL Defl -0.58" in A -E L/532
LL Defl -0.27" in A -E L/999
Shear // Grain in I -C 0.32

Plates for each ply each face.

Plate - MT20 20 Ga, Gross Area

Plate - MT2H 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A MT20	3.0x 6.0	Ctr	Ctr	0.65
H MT20	2.0x 4.0	Ctr	Ctr	0.30
B MT20	4.0x 4.0	Ctr	Ctr	0.58
I MT20	4.0x 5.0	Ctr	Ctr	0.25
C MT20	3.0x 4.0-0.4-0.3			0.75
E MT20	4.0x 8.0	Ctr	Ctr	0.23
S1 MT20	3.0x 6.0	Ctr	Ctr	0.40
F MT20	4.0x 5.0	Ctr	Ctr	0.64
D MT20	2.0x 4.0	Ctr	Ctr	0.33

A MT20 3.0x 6.0 Ctr Ctr 0.65

H MT20 2.0x 4.0 Ctr Ctr 0.30

B MT20 4.0x 4.0 Ctr Ctr 0.58

I MT20 4.0x 5.0 Ctr Ctr 0.25

C MT20 3.0x 4.0-0.4-0.3 0.75

E MT20 4.0x 8.0 Ctr Ctr 0.23

S1 MT20 3.0x 6.0 Ctr Ctr 0.40

F MT20 4.0x 5.0 Ctr Ctr 0.64

D MT20 2.0x 4.0 Ctr Ctr 0.33

REVIEWED BY:

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

RIDGWAY ROOF TRUSS

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

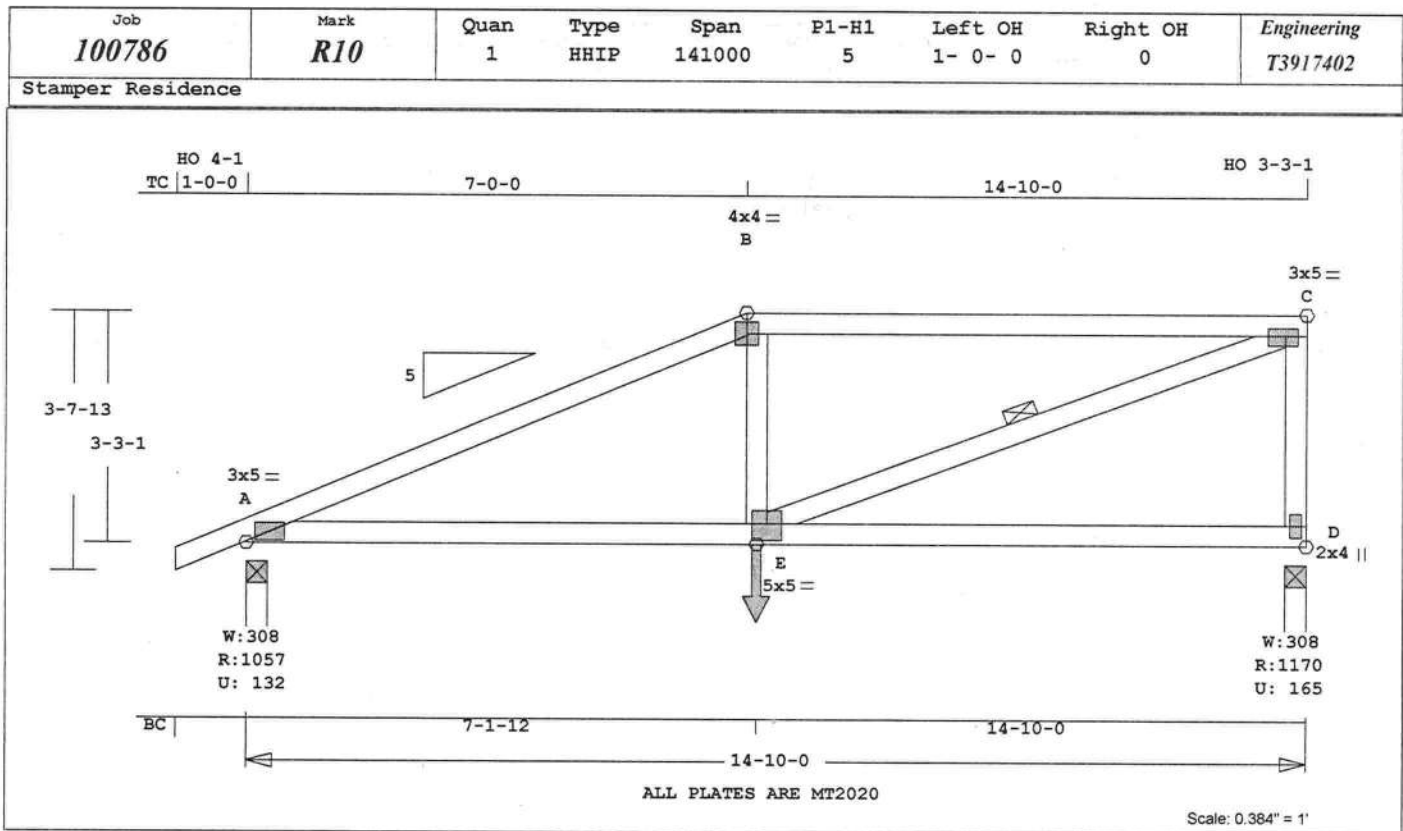
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 1892 Lbs
Max tens. force 1758 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



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TC	Size	SP	DSS
0.92	2x 4	SP-DSS	
0.67	2x 4	SP-#2	
0.89	2x 4	SP-#2	
0.64	2x 4	SP-#3	

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	14-10- 0
BC Cont.	0- 0- 0	14-10- 0

One Continuous Lateral Brace
E - C
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	1058	132 U	38 R
D	1170	165 U	105 R

Jt	Brg Size	Required
A	3.5"	1.5"
D	3.5"	1.5"

LC# 1 Girder Loading

Dur	Pctrs	Lbr	1.25	Plt	1.25
plf	- Dead	Live*	From	To	
TC V	14	40	0.0'	14.8'	
BC V	20	0	0.0'	14.8'	
TC V	18	50	7.0'	13.8'	
TC V	-14	-40	13.8'	14.8'	
BC V	25	0	7.1'	13.8'	
BC V	-20	0	13.8'	14.8'	
BC V	238	280	7.1'	CL-LB	

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 84.1 LBS

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - B	0.67	2017 C	0.03	0.64
B - C	0.92	1874 C	0.04	0.88
-----Bottom Chords-----				
A - E	0.89	1874 T	0.21	0.68
E - D	0.76	82 T	0.00	0.76
-----Webs-----				
E - B	0.10	399 T		
E - C	0.64	2014 T		1 Br
D - C	0.22	1060 C		WindLd

TL Defl -0.45" in E - D L/377
LL Defl -0.21" in E - D L/803
Shear // Grain in B - C 0.61

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.83
B MT20 4.0x 4.0 Ctr Ctr 0.58
C MT20 3.0x 5.0-0.5-0.2 0.87
E MT20 5.0x 5.0 Ctr-0.3 0.86
D MT20 2.0x 4.0 Ctr Ctr 0.45

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
Girder Half Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0

OH Loading

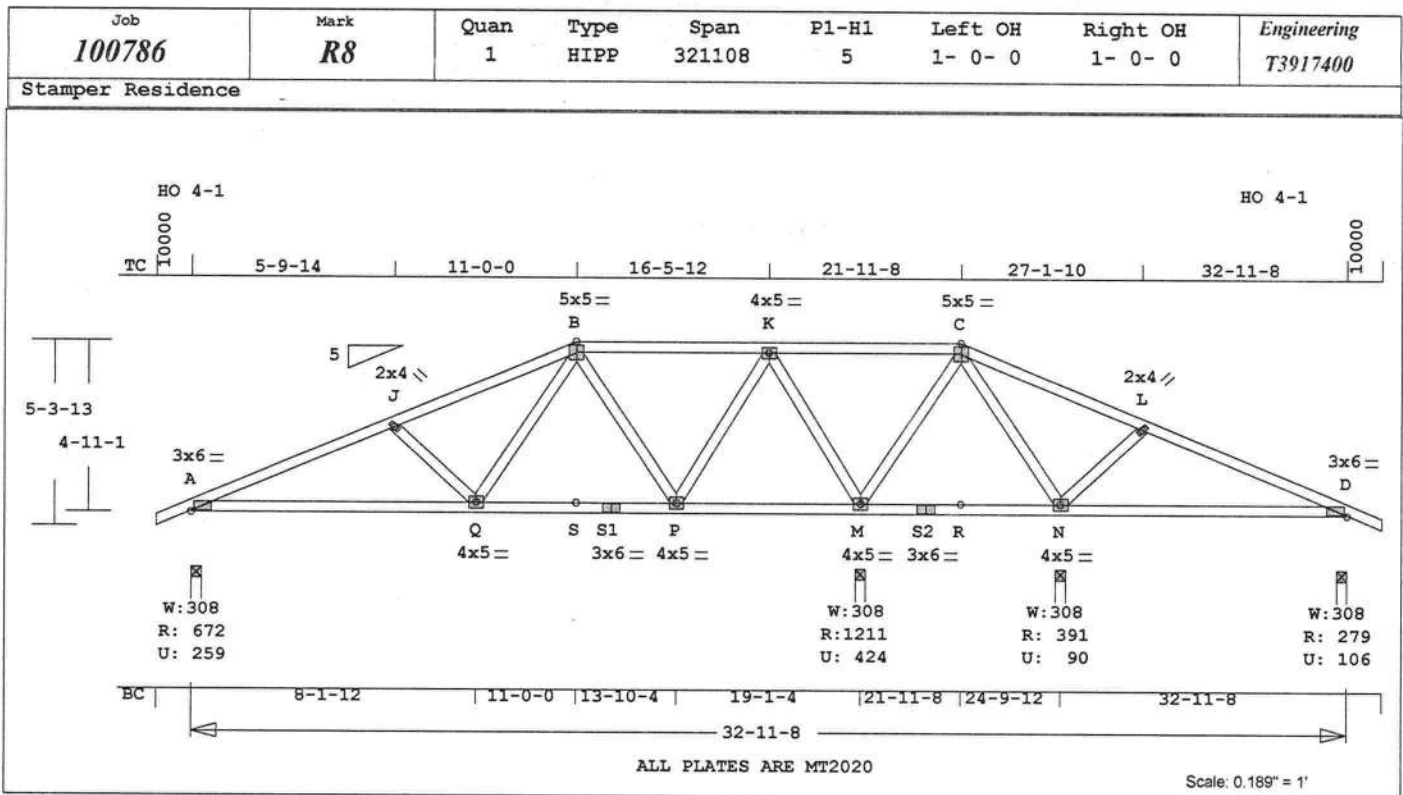
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 2017 Lbs
Max tens. force 2014 Lbs
Connector Plate Fabrication
Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



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November 4, 2010



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RUN DATE: 04-NOV-10

CSI -Size- ---Lumber---
TC 0.39 2x 4 SP-#2
BC 0.37 2x 4 SP-#2
WB 0.46 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 32-11- 8
BC Cont. 0- 0- 0 32-11- 8

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 673 260 U 88 R
M 1211 425 U
N 391 90 U
D 280 106 U 88 R

Jt Brg Size Required
A 3.5" 1.5"
M 3.5" 1.5"
N 3.5" 1.5"
D 3.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -J	0.38	1123 T	0.13	0.25
J -B	0.37	1002 T	0.13	0.24
B -K	0.33	466 T	0.00	0.33
K -C	0.39	409 T	0.06	0.33
C -L	0.33	193 T	0.02	0.31
L -D	0.31	116 T	0.00	0.31
-----Bottom Chords-----				
A -Q	0.37	986 C	0.09	0.28
Q -S1	0.33	487 T	0.05	0.28
S1 -P	0.18	487 T	0.05	0.13
P -M	0.13	127 T	0.01	0.12
M -S2	0.13	342 T	0.04	0.09
S2 -N	0.31	342 T	0.00	0.31

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 203.1 LBS

N -D	0.31	63 T	0.00	0.31
-----Webs-----				
J -Q	0.08	348 T		
Q -B	0.30	576 C		
B -P	0.21	423 T		
P -K	0.31	619 C		
K -M	0.46	913 T		
M -C	0.21	467 T		
C -N	0.08	159 C		
N -L	0.09	380 T		

TL Defl -0.17" in N -D L/551
LL Defl -0.08" in N -D L/999
Shear // Grain in B -K 0.23

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 Ctr Ctr 0.45
J MT20 2.0x 4.0 Ctr Ctr 0.29
B MT20 5.0x 5.0 Ctr Ctr 0.47
K MT20 4.0x 5.0 Ctr Ctr 0.42
C MT20 5.0x 5.0 Ctr Ctr 0.47
L MT20 2.0x 4.0 Ctr Ctr 0.32
D MT20 3.0x 6.0 Ctr Ctr 0.46
Q MT20 4.0x 5.0 Ctr Ctr 0.23
S1 MT20 3.0x 6.0 Ctr Ctr 0.39
P MT20 4.0x 5.0 Ctr Ctr 0.23
M MT20 4.0x 5.0 Ctr Ctr 0.42
S2 MT20 3.0x 6.0 Ctr Ctr 0.39
N MT20 4.0x 5.0 Ctr Ctr 0.23

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

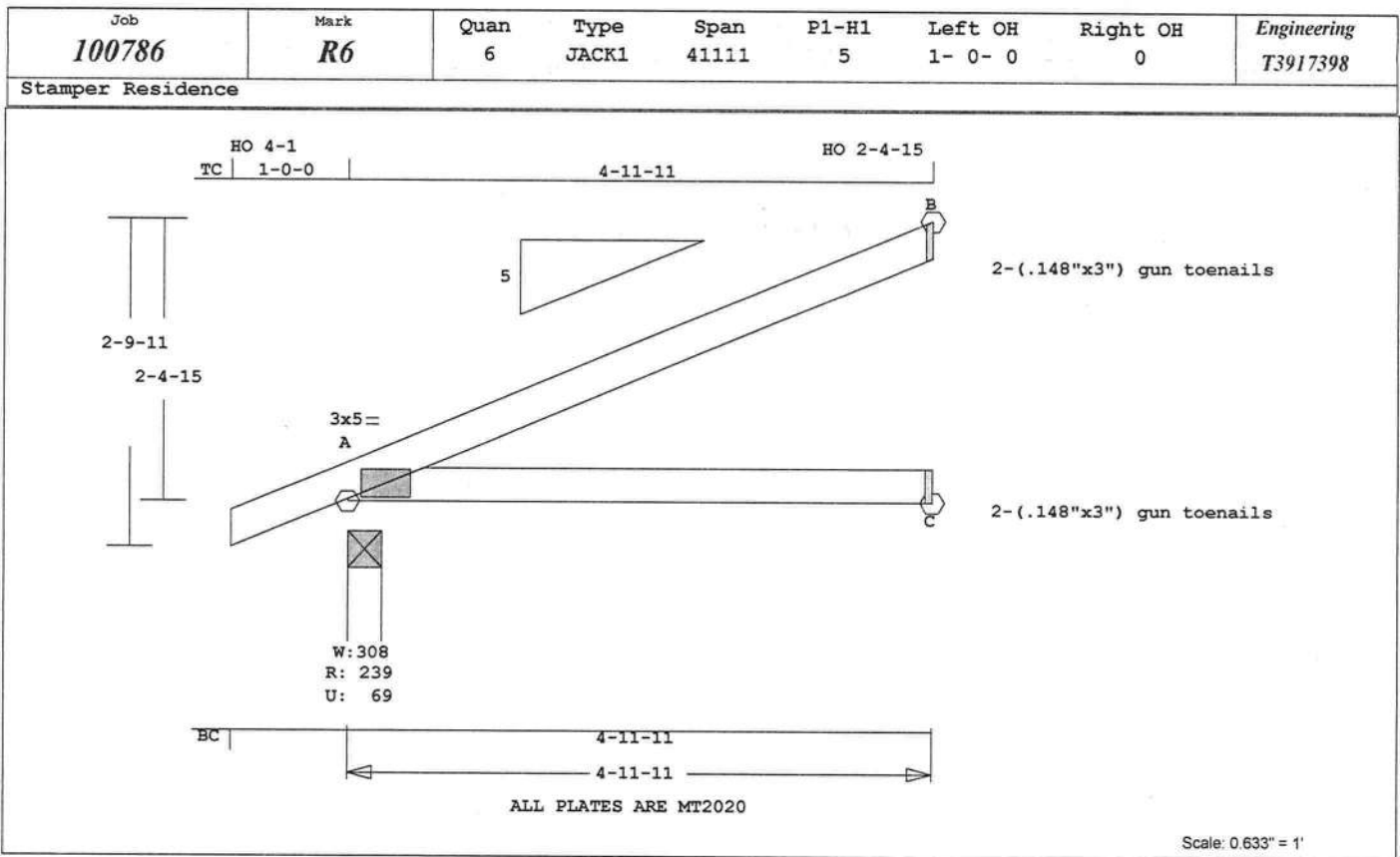
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 13-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 19- 1- 4
24- 9-12 32-11- 8
Max comp. force 1017 Lbs
Max tens. force 1123 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



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November 4, 2010



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RUN DATE: 04-NOV-10

CSI -Size- ---Lumber---
TC 0.38 2x 4 SP-#2
BC 0.38 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	4-11-11
BC Cont.	0- 0- 0	4-11-11

psf-Ld Dead Live
TC 0.38 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	240	70 U	60 R
C	90	28 U	
B	126	62 U	42 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -B	0.38	122 C	0.00 0.38
-----Bottom Chords-----			
A -C	0.38	0 T	0.00 0.38

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.24

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 21.9 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.49

REVIEWED BY:

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2005
National Design Specification
(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:
RIDGWAY ROOF TRUSS

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 13-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 4.0 psf

BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- --To---
0- 0- 0 4-11-11
Max comp. force 122 Lbs
Max tens. force 26 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

November 4, 2010

Stamper Residence



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5.0 TRUSS MANUFACTURER RESPONSIBILITIES

- 5.1 Communicate the design criteria from the Construction Design Documents to the Truss Designer.
- 5.2 Where required by the Construction Design Documents, prepare the Truss Placement Plan, providing as a minimum the location assumed for each Truss based on the Truss Manufacturer's interpretation of the Construction Design Documents.
- 5.3 Submit to the Contractor the Truss Placement Plan, as may be required, and each Truss Design Drawing for review and approval.
- 5.4 Manufacture the Trusses in accordance with the final approved Truss Design Drawings using the quality criteria for Metal Plate Connected Wood Trusses established by the ANSI/TPI 1-1995 "National Design Standard for Metal Plate Connected Wood Truss Construction."

6.0 TRUSS DESIGNER RESPONSIBILITIES

- 6.1 Prepare the Truss Design Drawings in conformance with the requirements set forth in the latest approved edition of ANSI/TPI 1-1995 "National Design Standard for Metal Plate Connected Wood Truss Construction."
- 6.2 For each Truss Design Drawing, set forth as a minimum the following:
 - 6.2.1 Slope or depth, span and spacing;
 - 6.2.2 Location of all joints;
 - 6.2.3 Required bearing widths;
 - 6.2.4 Design loads as applicable:
 - 6.2.4.1 Top chord live load (including snow loads);
 - 6.2.4.2 Top chord dead load;
 - 6.2.4.3 Bottom chord live load;
 - 6.2.4.4 Bottom chord dead load;
 - 6.2.4.5 Concentrated loads and their points of application; and
 - 6.2.4.6 Controlling wind and earthquake loads;
 - 6.2.5 Adjustments to lumber and metal connector plate design values for conditions of use;
 - 6.2.6 Each reaction force and direction;
 - 6.2.7 Metal connector plate type, size, thickness or gage, and the dimensioned location of each metal connector plate except where symmetrically located relative to the joint interface;
 - 6.2.8 Lumber size, species, and grade for each member;
 - 6.2.9 Connection Requirements for:
 - (a) Truss to Truss girder;
 - (b) Truss ply to ply; and
 - (c) Field splices;
 - 6.2.10 Calculated deflection ratio and/or maximum deflection for live and total load;
 - 6.2.11 Maximum axial compression forces in the Truss members to enable the Building Designer to design the size, connections and anchorage of the permanent continuous lateral bracing. Forces may be shown on the Truss Design Drawing or on supplemental documents; and
 - 6.2.12 Required permanent Truss member bracing location.

7.0 OTHER RESPONSIBILITIES

- 7.1 Any party who cuts or damages a truss shall be responsible for securing the engineering required for the repair and for subsequent costs.

Wood Truss Council of America's Objective

WTCA is committed to promoting the common interests of all engaged in the manufacture of wood trusses and related components to ensure growth, continuity, and increased professionalism in our industry. Fundamental to this is promoting the safe, economic, and structurally sound use of trusses in all applications.

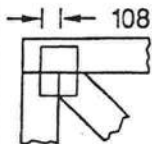
The Wood Truss Council of America publishes standard practice materials prepared and edited by knowledgeable authors from the construction industry to give as much assistance as possible to owners, architects, engineers, contractors, building officials, and others involved in the metal plate connected wood truss industry. The competence of the authors ensures accurate and authoritative information in regard to the subject matter covered, but, of course, neither the Wood Truss Council of America, nor the authors make either express or implied warranties in regard to the use of the materials.

1.0 SCOPE AND DEFINITIONS

- 1.1 This standard defines the design responsibilities of the individuals and organizations involved in the preparation, submittal, review and approval of each Truss Design Drawing and Truss Placement Plan associated with the use of metal plate connected wood trusses. These guidelines are presented as industry standard practice. The guidelines are not intended to preclude alternate provisions as agreed upon by the parties involved.
- 1.2 The following definitions shall apply:
- 1.2.1 "Architect" shall mean the individual registered architect responsible for the architectural design of the structure and who produces the architectural drawings included in the Construction Design Documents.
- 1.2.2 "Building Designer" is the individual or organization having responsibility for the overall building or structure design in accordance with the state's statutes and regulations governing the professional registration and certification of architects or engineers. This responsibility includes but is not limited to foundation design, structural member sizing, load transfer, bearing conditions, and the structure's compliance with the applicable building codes. Also referred to as registered architect or engineer, building designer, and registered building designer, but hereinafter will be referred to as Building Designer.
- 1.2.3 "Construction Design Documents" are the architectural drawings, structural drawings, mechanical drawings, electrical drawings, and any other drawings, specifications, and addenda which set forth the overall design of the structure and issued by the Building Designer.
- 1.2.4 "Contractor" shall mean the individual or organization responsible for the field storage, handling, and installation of trusses including, but not limited to, temporary bracing, permanent bracing, anchorage, connections and field assembly. The term "Contractor" shall include those subcontractors who have a direct contract with the Contractor to perform all or a portion of the storage, handling, and installation of the trusses.
- 1.2.5 "Engineer-of-Record" shall mean the registered professional engineer responsible for the structural design of the structure and who produces the structural drawings included in the Construction Design Documents.
- 1.2.6 "Owner" shall mean the individual or organization for whom the structure is designed.
- 1.2.7 "Truss" is an individual metal plate connected wood structural component manufactured by the Truss Manufacturer.
- 1.2.8 "Truss Designer" is the design professional, individual or organization, having responsibility for the design of metal plate connected wood trusses. This responsibility shall be in accordance with the state's statutes and regulations governing the professional registration and certification of architects or engineers. Also referred to as truss engineer, design engineer, registered engineer, and engineer, but hereinafter will be referred to as Truss Designer.
- 1.2.9 "Truss Design Drawing" shall mean the graphic depiction of an individual Truss prepared by the Truss Designer.
- 1.2.10 "Truss Manufacturer" shall mean an individual or organization regularly engaged in the manufacturing of Trusses.
- 1.2.11 "Truss Placement Plan" is the drawing identifying the location assumed for each Truss based on the Truss Manufacturer's interpretation of the Construction Design Documents.

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108).

PLATE SIZE

6.3 x 8.8

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

LATERAL BRACING



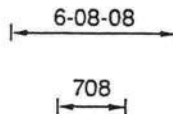
1x4 continuous lateral bracing attached with (2) 8d nails each member where indicated or 2x4 "T" or "L" brace stiffener if applicable nailed flat to edge of web with 12d nails spaced 8" o.c. "T" or "L" brace must be extended at least 90% of web length.

PLATE ORIENTATION



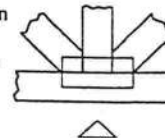
When shown, indicates direction of slots in connector plate.

DIMENSIONS



All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).

BEARING



When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS LOCK connector plates (20 ga. galv. steel ASTM A653 SS Grade 40) shall be applied on both faces of truss at each joint. Center the plates, unless shown otherwise by circles (o) or dimensions. No loose knots or wanes in plate contact area. Splice only where shown. Overall spans assume 4" bearings at each end, unless indicated otherwise. Cutting and fabrication shall be performed on equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and these designs are not applicable for use with fire retardant lumber. This design was prepared in accordance with "National Design Specifications for Stress - Grade Lumber and Its Fastenings" (AFPA), "Design Specifications for Light Metal Plate Connected Wood Trusses" (TPI), and HUD Design Criteria for

Trussed Rafters. Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to HIB-91 as published by the Truss Plate Institute, 583 D'Onofrio Drive, Suite 200, Madison, Wisconsin 53719. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "dominoing". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that the design loads utilized on this drawing meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF BUILDING DESIGNER TO REVIEW THIS DRWG. & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS LAYOUTS.



CORPORATE HEADQUARTERS

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