DATE 06/01/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028615

APPLICANT LEE HOLLOWAY PHONE 352.318.8507

ADDRESS 25399 NW OLD BELLAMY ROAD HIGH SPRINGS FL 32643

OWNER CHARLES WAITE PHONE

ADDRESS 1004 SW ACIE JAMES ROAD HIGH SPRINGS FL 32643

CONTRACTOR LEE A. HOLLOWAY PHONE 352.318.8507

LOCATION OF PROPERTY 41/441-S TO ACIE JAMES ROAD,TR AND IT'S 8/10 OF A MILE ON L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 156850.00

HEATED FLOOR AREA 2034.00 TOTAL AREA 3137.00 HEIGHT 20.70 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

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

PARCEL ID 21-7S-16-10034-010 SUBDIVISION SANTA FE HEIGHTS (TRACT)

LOT E BLOCK PHASE UNIT TOTAL ACRES 9.91

		CGC1510178		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
EXISTING	10-0244	BLK	JLW	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 1160

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

Framing _____ date/app. by Insulation _____ date/app. by

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

Heat & Air Duct _____ date/app. by Peri. beam (Lintel) _____ date/app. by Pool _____ date/app. by

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

Pump pole _____ date/app. by Utility Pole _____ date/app. by M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Reconnection _____ date/app. by RV _____ date/app. by Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 785.00 CERTIFICATION FEE $ 15.69 SURCHARGE FEE $ 15.69

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** 891.38

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 F IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTOI BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCE 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 APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVAL 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.

ARROW EXTERMINATORS
TERMITE AND PEST CONTROL

#28615

5602 N.W. 13th STREET
GAINESVILLE, FLORIDA 32653-2198

P.O. BOX 5875
GAINESVILLE, FLORIDA 32627-5875

PHONE (352) 373-3642
FAX (352) 373-9037

CERTIFICATE OF PROTECTIVE TREATMENT

Builder: LDM Constructions

Date: 6-3-10 Time: 12:00 AM 1:00 PM

Site Location: 1004 SW Acie James Rd

Area Treated: Slab, Footings, Plumbing Stubs, porches

Product Used: Talstar P Chemical Used: Bifenthrin

% Concentration: .06% # Gallons Used: 402

Applicator: Dwayne

KH COMPLETE -

A.C. CONTRACTOR - DAVIS

PLUMBING CONTRACTOR - DAVIS

Columbia County Building Permit Application

For Office Use Only Application # 1005-36 Date Received 5-17-10 By LH Permit # 28615

Zoning Official BLK Date 26.05.10 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner HD Date 5-25-10

Comments

☑ 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 N/A Suspended ☑ well letter

Septic Permit No. 10-0244 Fax 386-454-0650

Name Authorized Person Signing Permit LEE A. HOLLOWAY Phone 352-318-8507

Address 25399 N.W. OLD BELLAMY RD. HIGH SPRINGS, FL. 32643

Owners Name CHARLES WAITE Phone

911 Address 1004 S.W. ACIE JAMES RD., HIGH SPRINGS, FL. 32643

Contractors Name LPM CONST. CO., INC. (Lee Holloway) Phone 352-318-8507

Address P.O. BOX 1705, HIGH SPRINGS, FL. 32655

Fee Simple Owner Name & Address CHARLES WAITE 19818 N.W. COUNTY RD. 2054 ALACHUA, FL. 32615

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address WILLIAM MYERS DESIGN, P.O. BOX 1513, LAKE CITY 32056

Mortgage Lenders Name & Address N/A

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

Property ID Number 21-7S-17-10034-010 Estimated Cost of Construction $170,000.-

Subdivision Name SANTA FE HEIGHTS TRACK E Lot ___ Block ___ Unit ___ Phase ___

Driving Directions SOUTH ON 41/441 8.5 MILES PAST I-75 TO S.W. ACIE JAMES RD., RIGHT 8/10 MILE TO 1004 ON LEFT.

Number of Existing Dwellings on Property 0

Construction of NEW SFR Total Acreage 9.91 Lot Size 528 x 684

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height 20'-7"

Actual Distance of Structure from Property Lines - Front 237' Side 265' N Side S Rear 291'

Number of Stories 1 Heated Floor Area 2034 # Total Floor Area 3137 # Roof Pitch 6/12

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.

* LEE WAS ADVISED OF UPDATES NEEDED BY JW 5.28.10

JW: SPOKE LEE 4/6.10 : APPL. COMPLETE

JW LEFT MESSAGE 5.26.10 . LEE RETURNED CALL 5-26-10

DATE 1160

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 COMMENCMENT 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.

X _____ **(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 License Number** CGC 1510178

Contractor's Signature (Permitee) **Columbia County Competency Card Number**_____

State of Florida
County of Alachua

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 13th **day of** May **20**10.

Personally known X **or Produced Identification**_____

_____ **SEAL:**

State of Florida Notary Signature (For the Contractor)

Notary Public State of Florida
Amy L Kenner
My Commission DD954173
Expires 02/15/2014

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1005-36 CONTRACTOR LDM Const. Co. Inc. PHONE 352-318-8507

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name Peninsular Elect. Co, Inc. Signature – Lee Holloway License #: E.C. 0000668	Phone #: 352-318-8507
MECHANICAL/ A/C	Print Name License #: SEE ATTACHED	Signature Phone #:
PLUMBING/ GAS	Print Name License #:	Signature Phone #:
ROOFING	Print Name LDM Const. Co., Inc. License #: CGC 1510178	Signature Phone #: 352-318-8507
SHEET METAL	Print Name N/A License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name N/A License#:	Signature Phone #:
SOLAR	Print Name N/A License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	N/A	—	—
CONCRETE FINISHER	CGC 1510178	LDM Const. Co. Inc.	
FRAMING	CGC 1510178	LDM Const. Co, Inc.	
INSULATION	CGC 1510178	LDM Const. Co., Inc.	
STUCCO	N/A	—	—
DRYWALL	CGC 1510178	LDM Const. Co, Inc.	
PLASTER	N/A	—	—
CABINET INSTALLER	CGC1510178	LDM Const. Co., Inc.	
PAINTING	CGC1510178	LDM Const. Co., Inc.	
ACOUSTICAL CEILING	N/A	—	—
GLASS	CGC1510178	LDM Const. Co., Inc.	
CERAMIC TILE	CGC1510178	LDM Const. Co., Inc.	
FLOOR COVERING	CGC1510178	LDM Const. Co., Inc.	
ALUM/VINYL SIDING	N/A	—	—
GARAGE DOOR	CGC1510178	LDM Const. Co., Inc.	
METAL BLDG ERECTOR	N/A	—	—

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1005-36 CONTRACTOR LEE HOLLOWAY PHONE 352-318.850

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name License #:	Signature Phone #:
MECHANICAL/ A/C * 903	Print Name Joseph W Davis II License #: CAC1816529	Signature Phone #: 386.623-3487
PLUMBING/ GAS * 441	Print Name Joseph W Davis II License #: CFCO-5730Y	Signature Phone #: 386-623-3487
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License			
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit. 386. 454. 4663.

Contractor Forms: Subcontractor Form: 6/09

STATE OF FLORIDA
DEPARTMENT OF HEALTH

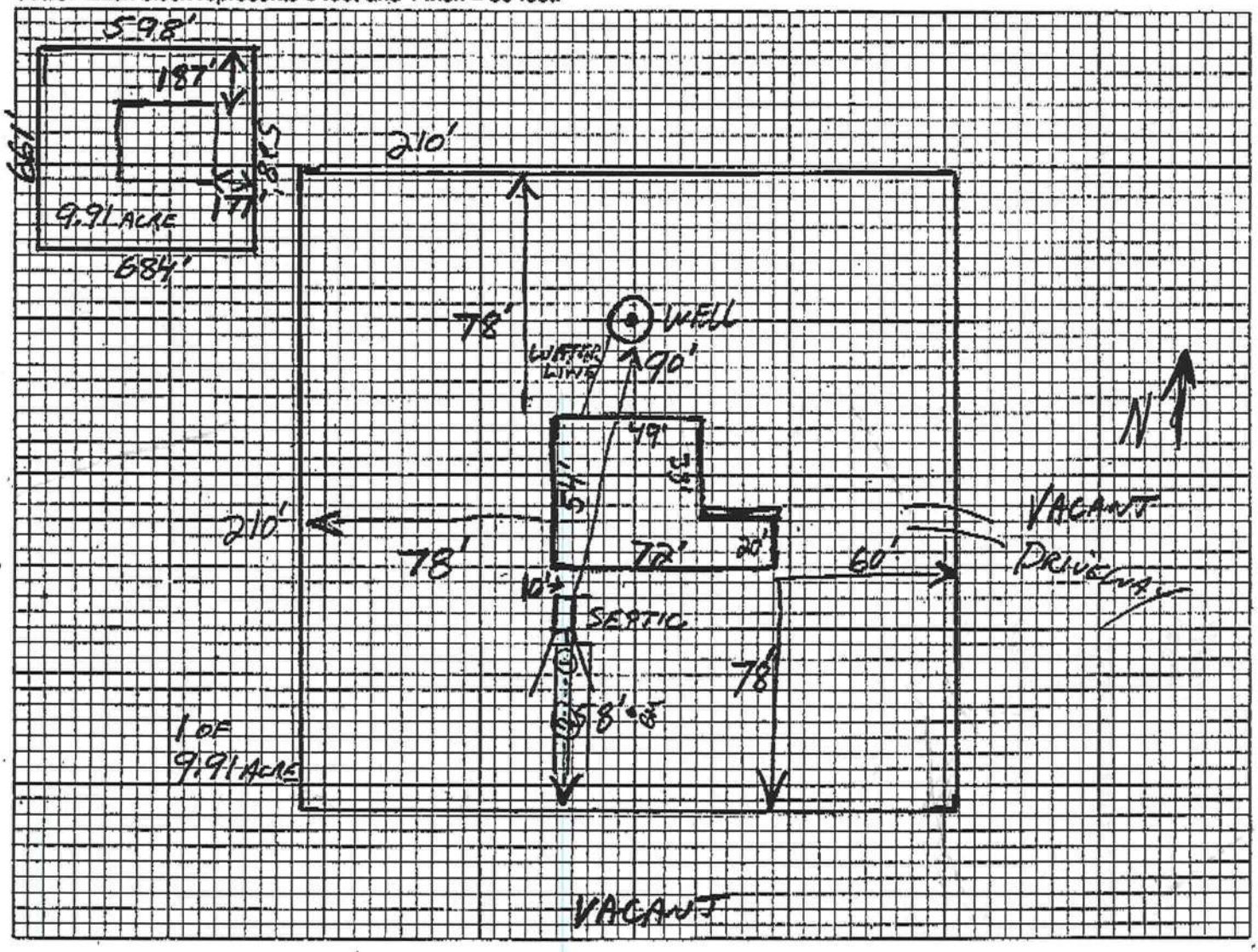
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 10-0244

Charles Waite

PART II - SITE PLAN

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



Notes: _____

Site Plan submitted by: _____ Signature _____ Title

Plan Approved X Not Approved _____ Date 5/20/10

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

454-04

S/B/C 5/17

10-0444

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

PERMIT NO. 9605241
DATE PAID: 5/12/10
FEE PAID: 425.00
RECEIPT #: 121-7984

FW

APPLICATION FOR:
[✓] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: CHARLES WAITE

AGENT: LDM CONSTRUCTION CO., INC. TELEPHONE: 352-318-8507

MAILING ADDRESS: 25399 N.W. OLD BELLAMY RD.

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.

PROPERTY INFORMATION

LOT: TRACT E BLOCK: _____ SUBDIVISION: _____ PLATTED: _____

PROPERTY ID #: 21-7S-17-10034-010 ZONING: AG I/M OR EQUIVALENT: [Y / N]

PROPERY SIZE: 9.91 ACRES WATER SUPPLY: [✓] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N] DISTANCE TO SEWER: N/A FT

PROPERTY ADDRESS: 1004 S.W. ACIE JAMES RD. HIGH SPRINGS FL. 32643

DIRECTIONS TO PROPERTY: 41/441 AND I-75 GO SOUTH TOWARDS HIGH SPRINGS 8.5 MILES TO S.W. ACIE JAMES RD. (BOBS USED RV PARTS) TURN RIGHT GO 8/10 MILE, PROPERTY ON LEFT.

BUILDING INFORMATION [✓] RESIDENTIAL [ ] COMMERCIAL

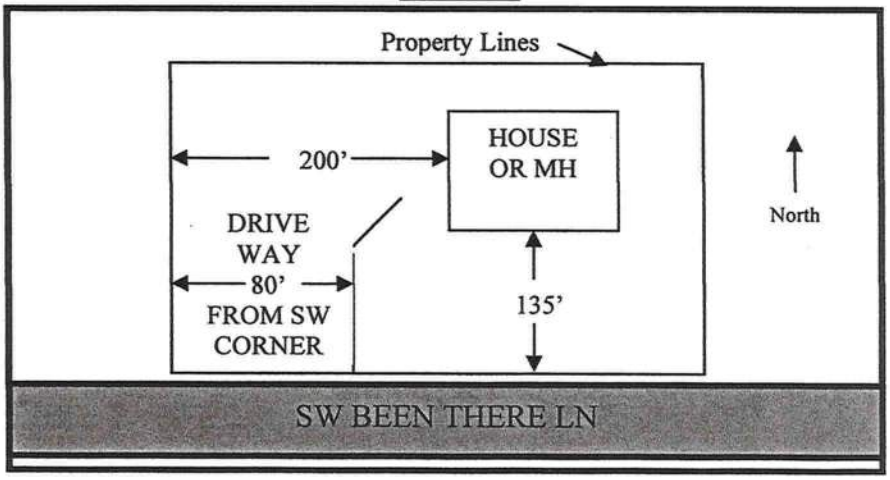
Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SFR	3	2034 ☐ AC living 3137 ☐ TOTAL	
2				
3				Zone X
4				

[ ] Floor/Equipment Drains [ ] Other (Specify) _____

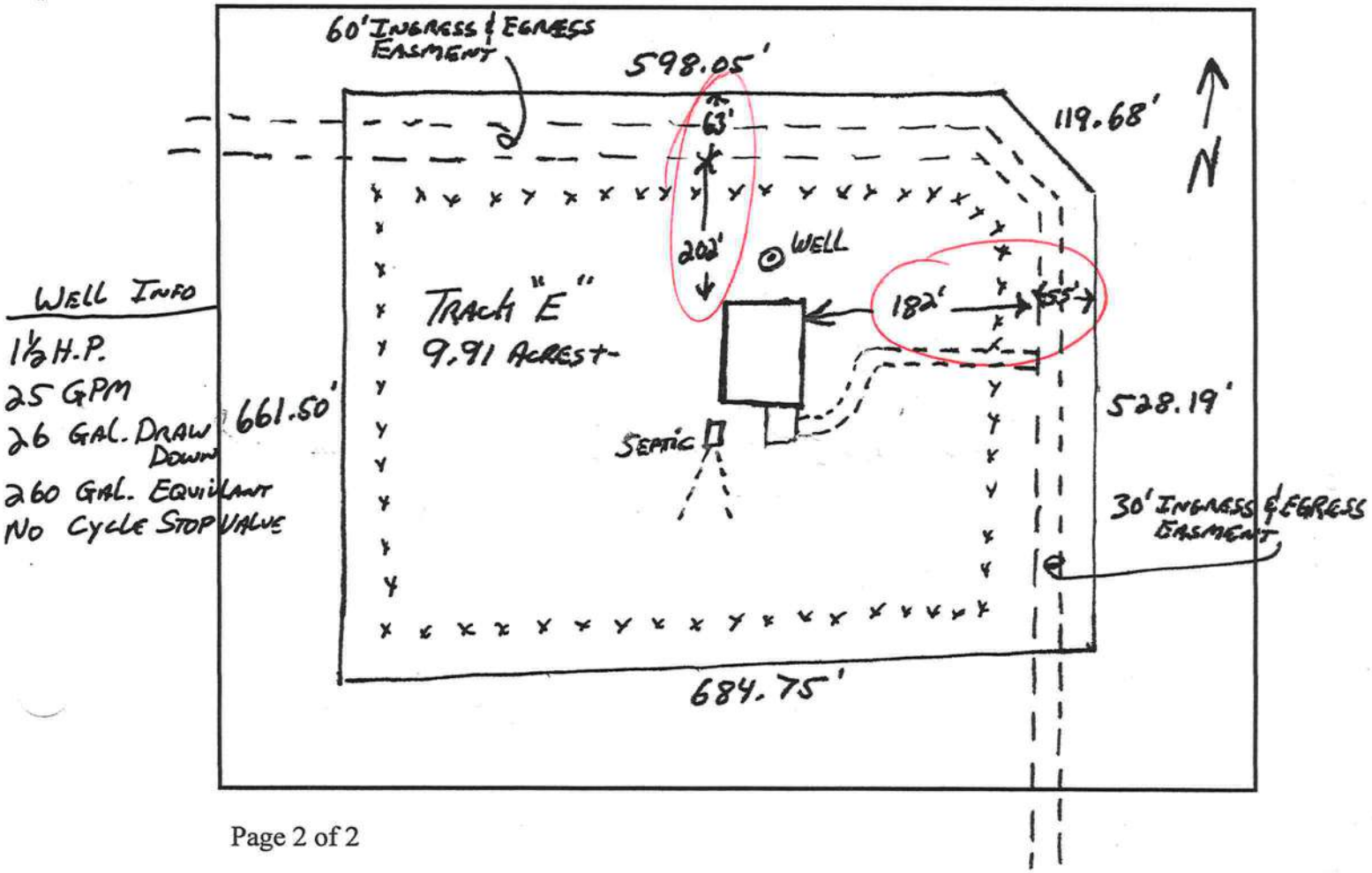
SIGNATURE: _____ DATE: 5/9/16

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:



420.00

This Instrument Prepared by & return to:
Name: ***TRISH LANG, an employee of NORTH CENTRAL FLORIDA TITLE, LLC***
Address: ***343 NW COLE TERRACE, SUITE 101 LAKE CITY, FLORIDA 32055***
File No. 09Y-11007TL

Inst:201012000047 Date:1/7/2010 Time:9:40 AM
Doc Stamp-Deed:420.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1186 P:2779

Parcel I.D. #: ***10034-003***

SPACE ABOVE THIS LINE FOR PROCESSINGDATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED *Made the* ***16th*** *day of* ***December,*** *A.D.* ***2009,*** *by* ***WILLIAM WALDREP*** *and* ***SONYA WALDREP, HIS WIFE,*** *hereinafter called the grantors, to* ***CHARLES K. WAITE, A SINGLE PERSON,*** *whose post office address is* ***19818 NW CR 2054, ALACHUA, FLORIDA 32615,*** *hereinafter called the grantee*

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: *That the grantors, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in* ***Columbia County, State of Florida,*** *viz:*

TRACT "E"

PART OF THE NW ¼ OF THE NE ¼ OF SECTION 21, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AS PREVIOUSLY SURVEYED BY LAUREN E. BRITT, LS 1079, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT A CONCRETE MONUMENT, LS 2678, MARKING THE NW CORNER OF THE NE ¼ OF SECTION 21, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND THENCE S 00°31'07" W, ALONG THE MONUMENTED WEST LINE OF SAID NE ¼, A DISTANCE OF 706.56 FEET TO A CONCRETE MONUMENT, LS 4708, MARKING THE NW CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK (ORB) 1146, PAGE 1369 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA; THENCE N 86°00'57" E, ALONG THE NORTH LINE OF SAID LANDS DESCRIBED IN ORB 1146, PAGE 1369, A DISTANCE OF 638.73 FEET TO A 5/8" IRON ROD, LS 4708 AND THE POINT OF BEGINNING; THENCE CONTINUE N 86°00'57" E, A DISTANCE OF 684.75 FEET TO A CONCRETE MONUMENT, LS 4708, ON THE MONUMENTED EAST LINE OF THE NW ¼ OF THE NE ¼ OF SAID SECTION 21 AND MARKING THE NE CORNER OF SAID LANDS DESCRIBED IN ORB 1146, PAGE 1369; THENCE N 00°33'38" E, ALONG THE MONUMENTED EAST LINE OF SAID NW ¼ OF THE NE ¼, A DISTANCE OF 528.19 FEET TO A 5/8" IRON ROD, LS 4708, MARKING THE SOUTHERN MOST CORNER OF LANDS DESCRIBED IN ORB 1142, PAGE 218 OF SAID OFFICIAL RECORDS; THENCE N 44°41'20" W, ALONG THE SOUTHWESTERLY LINE OF SAID LANDS DESCRIBED IN ORB 1142, PAGE 218, A DISTANCE OF 119.68 FEET TO A 5/8" IRON ROD, LS 4708, ON THE MONUMENTED NORTH LINE OF THE NW ¼ OF THE NE ¼ AS SURVEYED BY LAUREN E. BRITT, LS 1079, AND SAID IRON ROD IS MARKING THE NW CORNER OF SAID LANDS DESCRIBED IN ORB 1142, PAGE 218; THENCE N 89°56'19" W, ALONG THE MONUMENTED NORTH LINE OF SAID NW ¼ OF THE NE ¼, A DISTANCE OF 598.05 FEET TO A 5/8" IRON ROD, LS 4708; THENCE S 00°31'26" W, A DISTANCE OF 661.50 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH AND SUBJECT TO A 30 FOOT WIDE EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE EAST 30.00 FEET OF THE NW ¼ OF THE NE ¼ OF SECTION 21, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AS LIES SOUTHERLY OF LANDS DESCRIBED IN ORB 1142, PAGE 218 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA AND CONTAINING SW ACIE JAMES ROAD.

SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS A 30 FOOT WIDE STRIP OF LAND LYING ON THE WEST SIDE OF AND CONTIGUOUS WITH THE SOUTHWESTERLY LINE OF THOSE LANDS DESCRIBED IN ORB 1142, PAGE 218 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA.

SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE NORTH 60.00 FEET OF THE NW ¼ OF THE NE ¼ OF SECTION 21, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

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 grantors hereby covenant with said grantee that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant 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 31,2009.*

In Witness Whereof, *the said grantors have signed and sealed these presents, the day and year first above written.*

Signed, sealed and delivered in the presence of:

Patricia Lang
Witness Signature
PATRICIA LANG
Printed Name

Leslie A Morgan
Witness Signature
Leslie A. Morgan
Printed Name

William Waldrep L.S.
WILLIAM WALDREP
Address:
PO BOX 1232, HIGH SPRINGS, FL 32655

Sonya Waldrep L.S.
SONYA WALDREP
Address:
PO BOX 1232, HIGH SPRINGS, FL 32655

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this ***16th*** *day of* ***December, 2009****, by* ***WILLIAM WALDREP and SONYA WALDREP****, who are known to me or who have produced* drivers license *as identification.*

Patricia Lang
Notary Public
My commission expires 12-14-10

PATRICIA H. LANG
Commission DD 622516
Expires December 14, 2010
Bonded Thru Troy Fain Insurance 800-385-7019

PARCEL #21-7S-17-10034-01 LEGAL DESCRIPTION

SECTION 21
TOWNSHIP 7S
RANGE 17E
TRACK 'E'
9.91 ACRES

DESCRIPTION: (TRACT "E")
PART OF THE NW ¼ OF THE NE ¼ OF SECTION 21, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AS PREVIOUSLY SURVEYED BY LAUREN E. BRITT, LS 1079, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT A CONCRETE MONUMENT, LS 2678, MARKING THE NW CORNER OF THE NE ¼ OF SECTION 21, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND THENCE S.00°31'07"W., ALONG THE MONUMENTED WEST LINE OF SAID NE ¼, A DISTANCE OF 706.56 FEET TO A CONCRETE MONUMENT, LS 4708, MARKING THE NW CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK (ORB) 1146, PAGE 1369 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA; THENCE N.86°00'57"E., ALONG THE NORTH LINE OF SAID LANDS DESCRIBED IN ORB 1146, PAGE 1369, A DISTANCE OF 638.73 FEET TO A 5/8" IRON ROD, LS 4708, AND THE POINT OF BEGINNING; THENCE CONTINUE N.86°00'57"E., A DISTANCE OF 684.75 FEET TO A CONCRETE MONUMENT, LS 4708, ON THE MONUMENTED EAST LINE OF THE NW ¼ OF THE NE ¼ OF SAID SECTION 21 AND MARKING THE NE CORNER OF SAID LANDS DESCRIBED IN ORB 1146, PAGE 1369; THENCE N.00°33'38"E., ALONG THE MONUMENTED EAST LINE OF SAID NW ¼ OF THE NE ¼, A DISTANCE OF 528.19 FEET TO A 5/8" IRON ROD, LS 4708, MARKING THE SOUTHERN MOST CORNER OF LANDS DESCRIBED IN ORB 1142, PAGE 218 OF SAID OFFICIAL RECORDS; THENCE N.44°41'20"W., ALONG THE SOUTHWESTERLY LINE OF SAID LANDS DESCRIBED IN ORB 1142, PAGE 218, A DISTANCE 119.68 FEET TO A 5/8" IRON ROD, LS 4708, ON THE MONUMENTED NORTH LINE OF THE NW 1/4 OF THE NE 1/4 AS SURVEYED BY LAUREN E. BRITT, LS 1079, AND SAID IRON ROD IS MARKING THE NW CORNER OF SAID LANDS DESCRIBED IN ORB 1142, PAGE 218; THENCE N.89°56'19"W., ALONG THE MONUMENTED NORTH LINE OF SAID NW 1/4 OF THE NE 1/4, A DISTANCE OF 598.05 FEET TO A 5/8" IRON ROD, LS 4708; THENCE S.00°31'26"W., A DISTANCE OF 661.50 FEET TO THE POINT OF BEGINNING.
PARCEL CONTAINS 9.91 ACRES, MORE OR LESS.

TOGETHER WITH AND SUBJECT TO A 30 FOOT WIDE EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE EAST 30.00 FEET OF THE NW 1/4 OF THE NE 1/4 OF SECTION 21, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AS LIES SOUTHERLY OF LANDS DESCRIBED IN ORB 1142, PAGE 218 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA, AND CONTAINING SW ACIE JAMES ROAD.

SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS A 30 FOOT WIDE STRIP OF LAND LYING ON THE WEST SIDE OF AND CONTIGUOUS WITH THE SOUTHWESTERLY LINE OF THOSE LANDS DESCRIBED IN ORB 1142, PAGE 218 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA.

SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE NORTH 60.00 FEET OF THE NW 1/4 OF THE NE 1/4 OF SECTION 21, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF PREVIOUS SURVEYS IN SECTION 21.
2. BEARINGS BASED ON AN ASSUMED BEARING OF N.00°34'12"E. USING MONUMENTS FOUND ON THE WEST R/W LINE OF U.S. HIGHWAY 41/441.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAPS, DATED FEBRUARY 4, 2009, COMMUNITY PANEL NO. 12023C0551C.
4. NO EASEMENT FOR UTILITY AND/OR DRAINAGE IS SHOWN ON THIS LOT, IN RECORDS IN THE POSSESSION OF THIS OFFICE.
5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
7. "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
8. CLOSURE OF FIELD SURVEY IS BETTER THAN 1/7500.
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS.
10. CERTIFIED TO:

CHARLES C. WAITE
ALACHUA TITLE SERVICES, LLC.
FIRST AMERICAN TITLE INSURANCE COMPANY

```
@ CAM110M01    S  CamaUSA Appraisal System                      Columbia County
 5/17/2010 13:34  Property Maintenance                  50694  Land  001
Year T Property                          Sel                    AG    000
2010 R 21-7S-17-10034-010_____________ ... _   *               Bldg  000
 Owner WAITE CHARLES K                   Conf                   Xfea  000
  Addr 19818 NW COUNTY ROAD 2054                        50694  TOTAL     B*
                                                 -Cap?-          9.760 Total Acres
                                                 SOH 10% ApYr ERnwl ARnwl   Notc
City,St ALACHUA              FL Zip 32615 1232    N   N
Country                         (PUD1)            (PUD2)          (PUD3) MKTA02
Splt/Co   0000   JVChgCd        pud4              pud5            pud6
Appr By JS   Date 10/03/2006 AppCode     UseCd 000000 VACANT
      TxDist Nbhd        MktA    ExCode  Exemption/%     TxCode   Units    Tp
        003   21717.00   02
              DIST 3
 House#               Street                              MD      Dir    #
       -                City                               Zip
   Subd       N/A                    Condo      .00 N/A
   Sect     21 Twn      7S Rnge     17 Subd        Blk          Lot
 Legals (TRACT E): COMM NW COR OF        NE1/4 OF SEC, S 706.56 FT, E
        638.73 FT FOR POB, CONT E        684.75 FT, N 528.19 FT, NW      +
   Map#                                  Mnt  1/14/2010 THRESA
 F1=Task  F2=ExTx  F3=Exit  F4=Prompt  F11=Docs  F10=GoTo  PgUp/PgDn  F24=More
```

Inst. 201012007811 Date:5/17/2010 Time:12:45 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1194 P:1361

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 21-7S-17-10034-010

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)*: Township 7S Range 17E, Sect. 21 Santa Fe Heights
   a) Street *(job)* Address: 1004 S.W. Acie James Rd. High Springs, FL. 32643
2. General description of improvements: NEW SFR

3. Owner Information
   a) Name and address: Charles Waite, 19818 N.W. C.R. 2054, Alachua, FL. 32615
   b) Name and address of fee simple titleholder (if other than owner) N/A
   c) Interest in property OWNER
4. Contractor Information
   a) Name and address: LDM Const. Co. Inc. P.O. Box 1705, High Springs, FL. 32655
   b) Telephone No.: 352-318-8507 Fax No. (Opt.)
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: N/A
   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: Lee A. Holloway 25399 N.W. Old Bellamy Rd. High Springs FL. 32643
   b) Telephone No.: 352-318-8507 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: Megan Holloway 25399 N.W. Old Bellamy Rd. High Springs FL. 32643
   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)**: N/A

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. X _____
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

X Charles Waite
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 13th day of May, 2010, by: Debora M. Holloway as notary (type of authority, e.g. officer, trustee, attorney fact) for Charles K. Waite (name of party on behalf of whom instrument was executed).

Personally Known ✓ OR Produced Identification ____ Type _____

Notary Signature _____ Notary Stamp or Seal:

NOTARY PUBLIC STATE OF FLORIDA
DEBORA M. HOLLOWAY
MY COMMISSION # DD 853322
EXPIRES: March 9, 2013
Bonded Thru Budget Notary Services

—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. X _____
Signature of Natural Person Signing (in line #10 above.)

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 5/5/2010 **DATE ISSUED:** 5/7/2010

ENHANCED 9-1-1 ADDRESS:

1004 SW ACIE JAMES RD

HIGH SPRINGS FL 32643

PROPERTY APPRAISER PARCEL NUMBER:

21-7S-17-10034-010

Remarks:

TRACT E

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.

1724

juris luzins
architect
AR 0007907

Wind Load Design

Date 12 May 2010
Job Name Grand Heather LDM
Location Columbia County

The Wind Load Design for this structure is in compliance with the 2007 Florida Building Code Section 1609

Method of Design ASCE 7-05

Criteria:
Basic Wind Speed (3 second Gust) 110 MPH

Wind Importance Factor and Building Category 1.0

Wind Exposure Category B

Internal Pressure Coefficients:	Partially Enclosed Buildings	+0.55 -0.55
	Enclosed Buildings	+0.18 -0.18
	Open Buildings	0.00

Maximum lateral load transferred through roof diagram 6658 #

Design Wind pressure for Components and Cladding: (maximum values)

Roof -25.5 psf
Wall -29.1 psf

Juris Luzins
12 May 10

9320 nw 13th place • gainesville, fl • 32606
352-224-8673 • jurisluzins@cox.net

juris luzins
architect
AR 0007907

May 10, 2010

Summary of Requirements

Roof Sheathing: 7/16" OSB Plywood

Fasteners: @Edges 8d Type Ring Shank .113 spacing 6"

@Interior 8d Type " spacing 6"

Truss Anchors: **Manufacturer** Simpson or equal

Girders Trusses Jacks

Truss #1	Length	Model # H15-2	No. Req. 1	Uplift 1120	Horiz. 410
Truss #2	Length	Model # H10	No. Req. 1	Uplift 850	Horiz. 450
Truss #3	Length	Model # H2.5	No. Req. 1	Uplift 365	Horiz. 130
Truss #4	Length	Model #	No. Req.	Uplift	Horiz.
Truss #5	Length	Model #	No. Req.	Uplift	Horiz.

Verify uplift and horizontal forces with truss manufacturer

Wall Construction:

Frame Construction ✓

Masonry Construction

Wall Bracing:

Balloon Framing

Ceiling Diaphragm SEE T-Bracing Detail

Hip Roof ✓

Gable End on Masonry Wall

Wood Studs:

Stud#1:	Type SPF No1-No2	Height 8'	Spacing 16"	2X4
Stud#2:	Type	Height	Spacing	
Stud#3:	Type	Height	Spacing	
Stud#4:	Type	Height	Spacing	
Stud#5:	Type	Height	Spacing	

Masonry:

Description: —

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architect
AR 0007907

May 10, 2010

Shearwalls and Exterior Sheathing

Wall Sheathing 7/16" OSB
Transverse: Shearwalls (accumulated length) 75'+
Fasteners: @edges 8 d Nails ____ Staples ____ Screws 6 "o.c. See * Below
@interior 8 d Nails ____ Staples ____ Screws 8 "o.c.
Longitudinal Shearwalls (accumulated length) 50.33'+
Fasteners: @edges 8 d Nails ____ Staples ____ Screws 6 "o.c.
@interior 8 d Nails ____ Staples ____ Screws 8 "o.c.
Drag Strut: 16 d Nails @ 24 "o.c. all top plates

Vertical Tension Resistance:

Wall Straps ____
* Sheathing Fasteners 8d common @ 4" o.c. top & bottom

Tie Columns ____

Anchorage to Concrete Slabs:

Anchor Bolts 1/2" ϕ Spacing 48" Washer 2"
Corner Hold-down 1/2" ABW / 3" x 3" Location 6.5" ea. way @ corners
Distance to first anchor bolt from corner 24"
Corner Hold-down at wood floor system ____ Location ____

Foundations: 12"x20" deep mono. w/ 2#5 ϕ

Porch Column Anchors:

Column to Beam Simpsm PC44 or equal
Column to Slab ~~Simpsm ABU44~~ or equal

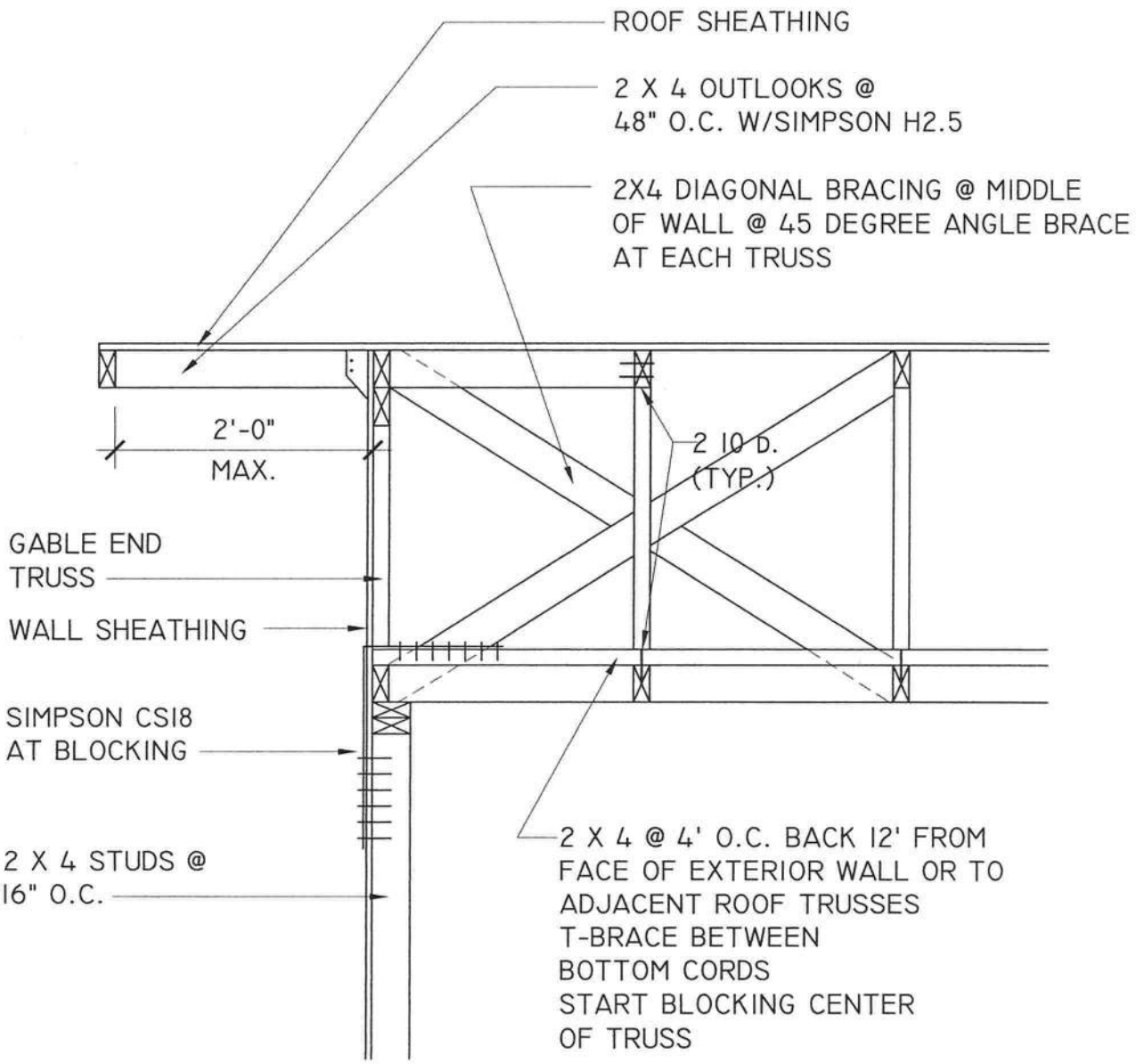
Anchorage @ Wall Openings

Sempsm CS18X24 ea. side top & bot.

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AR000907

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GABLE END ROOF DETAIL

3/4" = 1' - 0" FOR GABLE END W/ GABLE TRUSSES

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architect
AR 0007907

Wind Design and Analysis

Method of design – ASCE 7-05 Method 1 Simplified Procedure
Compliance with chapter 16 section 1609 Florida Building Code 2007

Job – Grand Heather LDM

Location – Columbia County

Building size – 54' x 72'-4"

Height of exterior wall – 8'

Overhang – 1'-6"

Roof cross slope – 6/12 26.6°

Mean roof height – 14'

End zone – 6'

Wind velocity – 110 MPH (3 sec. Gust)

Importance factor – 1.0

Wind exposure category – B

Degree of enclosure – Enclosed

Maximum lateral loads on building – 10,738 #

Deadloads

Roof 11psf

Walls 60plf

Foundation 250plf

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architect
AR 0007907

May 10, 2010

Construction

Studs SPF No1-No2

Trusses SYP

Sheathing 7/16" OSB

MWFRS

Design Wind Pressure (Figure6-2 Chapter 6 ASCE7)

End Zone
Wall 24.1 psf
Roof 3.9 psf

Interior Zone
Wall 17.4 psf
Roof 4.0 psf

Components and Cladding (Figure6-3 Chapter 6 ASCE7)
Wall -29.1 psf
Roof -25.5 psf

ENDZONE
W 24.1x12x8 = 2314 1157
R 3.9x12x12 = 562 562

INTERIOR
W 17.4x42x8 = 5846 2923
R 4x42x12 = 2016 2016
10738 6658

Shearwalls
Trans. 75'
Long. 50.33'

6658/75 = 89#

Roof Diagram (Table 2306.3.1 FBC)
Nailing 8d .113" Ring Shank @ 6" o.c. edges
6" o.c. int.

Shearwalls (Table 2306.4.1 FBC)
Nailing 8d Common @ 6" o.c. edges
8" o.c. int.

Drag Strut
16d Common @ 24" o.c.

6658/144.6 = 46#

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Roof uplift at top of wall (Figure6-3 Chapter 6 ASCE7)
(Figure6-3 Chap. 6 ASCE7– Overhangs)

Roof -25.5 psf edge
-18.1 psf int.

47.67 X 25.5 = 1215
3 X 40.6 = 122
1337

Overhang 40.6 psf

deadload - 50.67 X 11 X .6 = 334

1337
334
1003#

47.67 X 18.1 = 863
122
985

985
-334
651#

Truss anchors	Capacity	Lateral
trusses Simpson H10	850	450
Girders Simpson H15-2	1120	410

See Truss Engineering for specific truss layout, uplift and lateral load values

Avg. uplift - 729 # /2 = 365 #/lft.

Header tie-downs

Span 6'

1000/2 = 500

Simpson CS18x24 ea. side of opgs. top & bottom

Sheathing nailing

Uplift at top of footing

Uplift 329 plf

365 - 36 = 329#

Weight of footing 150# slab shear controls 250 x .6 = 150

Anchor bolts 1/2" ϕ @ 48" O.C w/ 2 inch. washers

Corner Hold down 1/2" AB w/ 3" x 3" WASHERS

Porch columns Simpsm PC44
~~Simpsm ABU44~~

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FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	LDM - Grand Heather	Builder Name:	LDM Construction
Street:	HWY 441	Permit Office:	Columbia County
City, State, Zip:	Lake City , FL , 32024-	Permit Number:	2615
Owner:	LDM Construction	Jurisdiction:	221000
Design Location:	FL, Gainesville		

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	4			
5. Is this a worst case?	No			
6. Conditioned floor area (ft²)	2034			
7. Windows	Description		Area	
a. U-Factor: SHGC:	Dbl, U=0.30 SHGC=0.50		289.33 ft²	
b. U-Factor: SHGC:	N/A		ft²	
c. U-Factor: SHGC:	N/A		ft²	
d. U-Factor: SHGC:	N/A		ft²	
e. U-Factor: SHGC:	N/A		ft²	
8. Floor Types		Insulation	Area	
a. Slab-On-Grade Edge Insulation		R=5.0	2034.00 ft²	
b. N/A		R=	ft²	
c. N/A		R=	ft²	

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1480.00 ft²
b. Frame - Wood, Adjacent	R=13.0	168.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2237.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 508.5 ft²		
12. Cooling systems		
a. Central Unit	Cap: 40.8 kBtu/hr SEER: 14	
13. Heating systems		
a. Electric Heat Pump	Cap: 40.8 kBtu/hr HSPF: 7.7	
14. Hot water systems		
a. Electric	Cap: 50 gallons EF: 0.9	
b. Conservation features None		
15. Credits	CV	

Glass/Floor Area: 0.142

Total As-Built Modified Loads: 37.02

Total Baseline Loads: 43.46

PASS

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

PREPARED BY: _____

DATE: 5/4/10

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

OWNER/AGENT: _____

DATE: 5-4-10

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: _____

- Compliance requires an envelope leakage test report, by a Florida Class 1 Rater, in accordance with N1113.A.1.

PROJECT

Title:	LDM - Grand Heather	Bedrooms:	4	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	LDM Construction	Conditioned Area:	2034	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	LDM Construction	Worst Case:	No	Street:	HWY 441
Permit Office:	Columbia County	Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:	Yes	City, State, Zip:	Lake City , FL , 32024-
Family Type:	Single-family	Whole House Fan:	No		
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	206 ft	5	2034 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
____	1	Hip	Composition shingles	2275 ft²	0 ft²	Dark	0.96	No	0	26.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	303	2034 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	30	2237 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	289.14 ft²	0	0.23	0.75
____	2	S	Exterior	Frame - Wood	13	283.14 ft²	0	0.23	0.75
____	3	E	Exterior	Frame - Wood	13	293.47 ft²	0	0.23	0.75
____	4	W	Exterior	Frame - Wood	13	360.14 ft²	0	0.23	0.75
____	5	NW	Exterior	Frame - Wood	13	254.14 ft²	0	0.23	0.75
____	6	??	Garage	Frame - Wood	13	168 ft²		0.23	0.01

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	??	Insulated	None	0.46	20 ft²
_____	2	W	Insulated	None	0.46	20 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	E	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
_____	2	E	Metal	Double (Clear)	Yes	0.3	0.5	N	13.33 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
_____	3	E	Metal	Double (Clear)	Yes	0.3	0.5	N	16 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
_____	4	N	Metal	Double (Clear)	Yes	0.3	0.5	N	20 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
_____	5	W	Metal	Double (Clear)	Yes	0.3	0.5	N	40 ft²	0 ft 120 in	0 ft 0 in	HERS 2006	None
_____	6	W	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 120 in	0 ft 0 in	HERS 2006	None
_____	7	NW	Metal	Double (Clear)	Yes	0.3	0.5	N	20 ft²	0 ft 120 in	0 ft 0 in	HERS 2006	None
_____	8	N	Metal	Double (Clear)	Yes	0.3	0.5	N	15 ft²	0 ft 120 in	0 ft 0 in	HERS 2006	None
_____	9	W	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 96 in	0 ft 0 in	HERS 2006	None
_____	10	N	Metal	Double (Clear)	Yes	0.3	0.5	N	20 ft²	0 ft 36 in	0 ft 0 in	HERS 2006	None
_____	11	W	Metal	Double (Clear)	Yes	0.3	0.5	N	6 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
_____	12	S	Metal	Double (Clear)	Yes	0.3	0.5	N	45 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
_____	13	S	Metal	Double (Clear)	Yes	0.3	0.5	N	4 ft²	0 ft 18 in	0 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
_____	Proposed ACH	0.00036	1921	7.08	105.4	198.3	0 cfm	0 cfm	0	0

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	469.326 ft²	469.326 ft²	65.33 ft	8 ft	(invalid)

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 14	40.8 kBtu/hr	cfm	0.75	

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.7	40.8 kBtu/hr	

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.9	50 gal	70 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	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	508.5 ft	Attic	101.7 ft	Default Leakage	Garage				

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

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

FORM 1100A-08

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: HWY 441
Lake City, FL, 32024-

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* = 85

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

HWY 441, Lake City, FL, 32024-

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		4		
5. Is this a worst case?		No		
6. Conditioned floor area (ft²)		2034		
7. Windows**	Description		Area	
a. U-Factor: SHGC:	Dbl, U=0.30 SHGC=0.50		289.33	ft²
b. U-Factor: SHGC:	N/A			ft²
c. U-Factor: SHGC:	N/A			ft²
d. U-Factor: SHGC:	N/A			ft²
e. U-Factor: SHGC:	N/A			ft²
8. Floor Types		Insulation	Area	
a. Slab-On-Grade Edge Insulation		R=5.0	2034.00	ft²
b. N/A		R=		ft²
c. N/A		R=		ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1480.00 ft²
b. Frame - Wood, Adjacent	R=13.0	168.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2237.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Garage	Sup. R= 6, 508.5 ft²	
12. Cooling systems		
a. Central Unit	Cap: 40.8 kBtu/hr SEER: 14	
13. Heating systems		
a. Electric Heat Pump	Cap: 40.8 kBtu/hr HSPF: 7.7	
14. Hot water systems		
a. Electric	Cap: 50 gallons EF: 0.9	
b. Conservation features None		
15. Credits	CV	

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: 5-4-10

Address of New Home: 1004 S.W. Acie James Rd. City/FL Zip: High Springs FL. 32643

*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.

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. 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.) 2034		Total (Sq. Ft.) under roof 3137	IIIIIIII	IIIIIIII	IIIII

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	IIIIII	IIIII	IIIIII
		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/m²), to be used for the design of exterior component, cladding materials not specifally 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	N/A		
18	Location and size of skylights with Florida Product Approval	N/A		
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	N/A		
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)	✓		
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	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)	N/A		
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 plan (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

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.	N/A		
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

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 submit other approved termite protection methods. **Protection shall be provided by registered termiticides**	✓		

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	N/A		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers	↓		
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			
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			
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &			

48	intermediate 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).	N/A		

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 assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles 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 chapter11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

	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 locations in bathrooms	✓		
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	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	✓		
86	Ceiling fans	✓		
87	Smoke detectors & Carbon dioxide detectors	✓		
88	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.	✓		

90	Appliances and HVAC equipment and disconnects	✓		
91	Arc Fault Circuits (AFCI) in bedrooms	✓		

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

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 911address 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 applicati 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 c 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.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became nu and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applican will be notified by phone as to the date and time a building permit will b prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 1004 S.W. Acie James Rd. **Project Name:** Charles White Grand Heather

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	Thermatru	Swinging Door Assemblies	FL 5891
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	MI Home	Single Hung Window	FL 5108
2. Horizontal Slider	MI Home		FL 5451
3. Casement	MI Home	CASING	FL 6023
4. Double Hung	MI Home		FL 5104, 5447
5. Fixed	MI Home		FL 6028
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion	MI Home	MULLIONS	FL 5513, 6489
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Hardi-Board	7"14 x 12' Primed Hardi Board	FL889
2. Soffits	Kay-Can		FL 4899, 4957
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	TAMKO	3-TAB & Dem Shingles	FL-1956-R1
2. Underlayments	TAMKO	MISC UNDERLAYS	FL-1478, 1481, 1744
3. Roofing Fasteners	RMW		
4. Non-structural Metal Rf	RMW		
5. Built-Up Roofing	TAMKO	BUILT-UP ROOF	FL-741-R1
6. Modified Bitumen	TAMKO	SBS MOD Roofing	FL-735-R1
7. Single Ply Roofing Sys	RMW		
8. Roofing Tiles	RMW	N/A	
9. Roofing Insulation	RMW		
10. Waterproofing	RMW		
11. Wood shingles /shakes	N/A		
12. Roofing Slate	N/A		

* REFER TO MANUFACTURE'S WEBSITE (RMW)

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings	TAMKO	wet/Dry Cement	19600.2
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other	MISTA	#15 & 30# Felt	D4869
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others	Tapco	Decorative Shutters	FL 6422
F. SKYLIGHTS			
1. Skylight	Sun-Tek		FL 2442
2. Other			
G. STRUCTURAL COMPONENTS	Simpson	ABU44 Z	FL 474.21
1. Wood connector/anchor	Simpson	H2.5A	FL 503.5
2. Truss plates	Simpson	MSTM24	FL 1901.57
3. Engineered lumber	G.P.	2x4 #2 SYP	FL 1008
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof	Norboard	OSB	
11. Wall	Norboard	OSB - Wind Storm	
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

LEE A. Holloway 5-12-10

Print Name Date

1004 S.W. Alf James Rd.

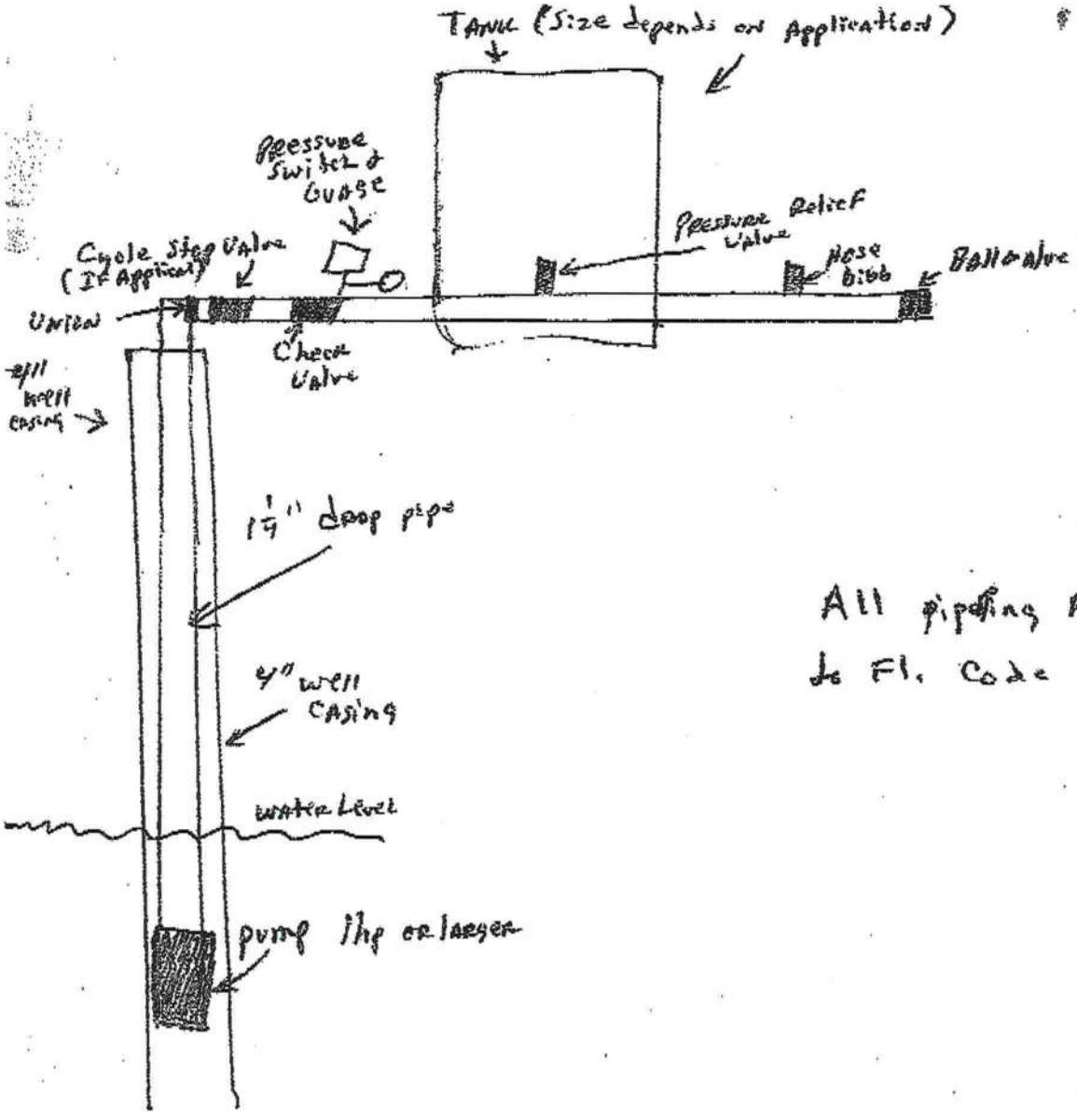
Location

Permit # (FOR STAFF USE ONLY)

1005-36

NORTH FLORIDA
WATER SYSTEMS, INC.
11814 N.W. 202nd ST.
ALACHUA, FLORIDA 32515

Columbia County well diagram for Charles Waite



All pipping and wiring to Fl. Code

Drawn by Robert Miller

Ph # 386 462-7867

Residential System Sizing Calculation

Summary

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

Code Only
Professional Version
Climate: North

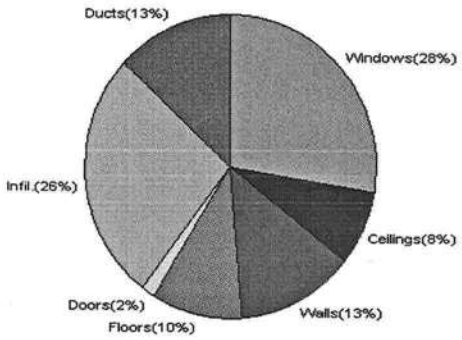
5/4/2010

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**33304**	**Btuh**	**Total cooling load calculation**	**37142**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	122.5	40800	Sensible (SHR = 0.75)	109.3	30600
Heat Pump + Auxiliary(0.0kW)	122.5	40800	Latent	111.6	10200
			Total (Electric Heat Pump)	109.8	40800

WINTER CALCULATIONS

Winter Heating Load (for 2034 sqft)

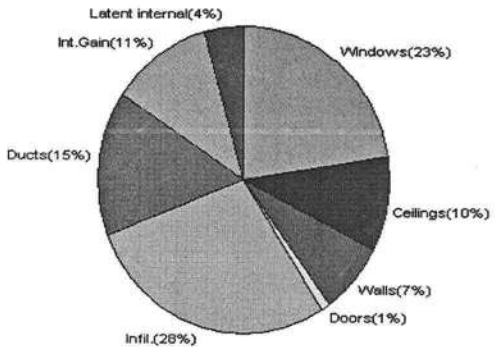
Load component			Load	
Window total	289	sqft	9314	Btuh
Wall total	1319	sqft	4331	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	2237	sqft	2636	Btuh
Floor total	206	sqft	3369	Btuh
Infiltration	217	cfm	8788	Btuh
Duct loss			4349	Btuh
Subtotal			**33304**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**33304**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2034 sqft)

Load component			Load	
Window total	289	sqft	8380	Btuh
Wall total	1319	sqft	2665	Btuh
Door total	40	sqft	392	Btuh
Ceiling total	2237	sqft	3705	Btuh
Floor total			0	Btuh
Infiltration	190	cfm	3533	Btuh
Internal gain			4240	Btuh
Duct gain			5086	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**28000**	**Btuh**
Latent gain(ducts)			604	Btuh
Latent gain(infiltration)			6938	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**9142**	**Btuh**
TOTAL HEAT GAIN			**37142**	**Btuh**



Powered by ACCA MANUAL J

Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 5/4/10

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

5/4/2010

WHOLE HOUSE TOTALS

	Subtotal Sensible	33304 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33304 Btuh

EQUIPMENT

1. Electric Heat Pump	#	40800 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

5/4/2010

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	E	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	E	13.3	32.2	429 Btuh
3	2, Clear, Metal, 0.87	E	16.0	32.2	515 Btuh
4	2, Clear, Metal, 0.87	N	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	W	40.0	32.2	1288 Btuh
6	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
7	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
8	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
10	2, Clear, Metal, 0.87	N	20.0	32.2	644 Btuh
11	2, Clear, Metal, 0.87	W	6.0	32.2	193 Btuh
12	2, Clear, Metal, 0.87	S	45.0	32.2	1449 Btuh
13	2, Clear, Metal, 0.87	S	4.0	32.2	129 Btuh
	Window Total		289(sqft)		9314 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1171	3.3	3845 Btuh
2	Frame - Wood - Adj(0.09)	13.0	148	3.3	486 Btuh
	Wall Total		1319		4331 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	2237	1.2	2636 Btuh
	Ceiling Total		2237		2636Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	206.0 ft(p)	16.4	3369 Btuh
	Floor Total		206		3369 Btuh
			Zone Envelope Subtotal:		20167 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.80	16272	1319	217.0	8788 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)			(DLM of 0.150)	4349 Btuh
Zone #1			**Sensible Zone Subtotal**		**33304 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

Code Only
Professional Version
Climate: North

5/4/2010

WHOLE HOUSE TOTALS

	Subtotal Sensible	33304 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33304 Btuh

EQUIPMENT

1. Electric Heat Pump	#	40800 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

5/4/2010

Manual J Summer Calculations

Residential Load - Component Details (continued)

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

Code Only
Professional Version
Climate: North

5/4/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**22914 Btuh**
	Sensible Duct Load	5086 Btuh
	Total Sensible Zone Loads	**28000 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**28000 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6938 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	604 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**9142 Btuh**
	TOTAL GAIN	**37142 Btuh**

EQUIPMENT

1. Central Unit	#	40800 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/4/2010

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,0.00,N	E	1.5ft	0.5ft	30.0	30.0	0.0	29	29	869 Btuh
2	2, Clear, 0.87, None,0.00,N	E	1.5ft	0.5ft	13.3	13.3	0.0	29	29	386 Btuh
3	2, Clear, 0.87, None,0.00,N	E	1.5ft	0.5ft	16.0	16.0	0.0	29	29	463 Btuh
4	2, Clear, 0.87, None,0.00,N	N	1.5ft	0.5ft	20.0	0.0	20.0	29	29	579 Btuh
5	2, Clear, 0.87, None,0.00,N	W	10ft.	1ft.	40.0	40.0	0.0	29	29	1158 Btuh
6	2, Clear, 0.87, None,0.00,N	W	10ft.	0.5ft	30.0	30.0	0.0	29	29	869 Btuh
7	2, Clear, 0.87, None,0.00,N	NW	10ft.	1ft.	20.0	0.0	20.0	29	29	579 Btuh
8	2, Clear, 0.87, None,0.00,N	N	10ft.	0.5ft	15.0	0.0	15.0	29	29	434 Btuh
9	2, Clear, 0.87, None,0.00,N	W	8ft.	0.5ft	30.0	30.0	0.0	29	29	869 Btuh
10	2, Clear, 0.87, None,0.00,N	N	3ft.	1ft.	20.0	0.0	20.0	29	29	579 Btuh
11	2, Clear, 0.87, None,0.00,N	W	1.5ft	0.5ft	6.0	6.0	0.0	29	29	174 Btuh
12	2, Clear, 0.87, None,0.00,N	S	1.5ft	0.5ft	45.0	45.0	0.0	29	29	1303 Btuh
13	2, Clear, 0.87, None,0.00,N	S	1.5ft	0.5ft	4.0	4.0	0.0	29	29	116 Btuh
	Window Total				289 (sqft)					8380 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1170.7	2.1	2442 Btuh
2	Frame - Wood - Adj	13.0/0.09	148.0	1.5	223 Btuh
	Wall Total		1319 (sqft)		2665 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	40 (sqft)		392 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2237.0	1.7	3705 Btuh
	Ceiling Total		2237 (sqft)		3705 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	206 (ft(p))	0.0	0 Btuh
	Floor Total		206.0 (sqft)		0 Btuh

			Load
	Zone Envelope Subtotal:		15141 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	16272	1319	189.8	3533 Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load
		8	X	230	+	2400	4240 Btuh

		Load
	Sensible Envelope Load:	22914 Btuh

Duct load		Load
	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.222)	5086 Btuh
	Sensible Zone Load	**28000 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

Code Only
Professional Version
Climate: North

5/4/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**22914 Btuh**
	Sensible Duct Load	5086 Btuh
	Total Sensible Zone Loads	**28000 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**28000 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6938 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	604 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**9142 Btuh**
	TOTAL GAIN	**37142 Btuh**

EQUIPMENT

1. Central Unit	#	40800 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

Residential Window Diversity

MidSummer

LDM Construction
HWY 441
Lake City, FL 32024-

Project Title:
LDM - Grand Heather

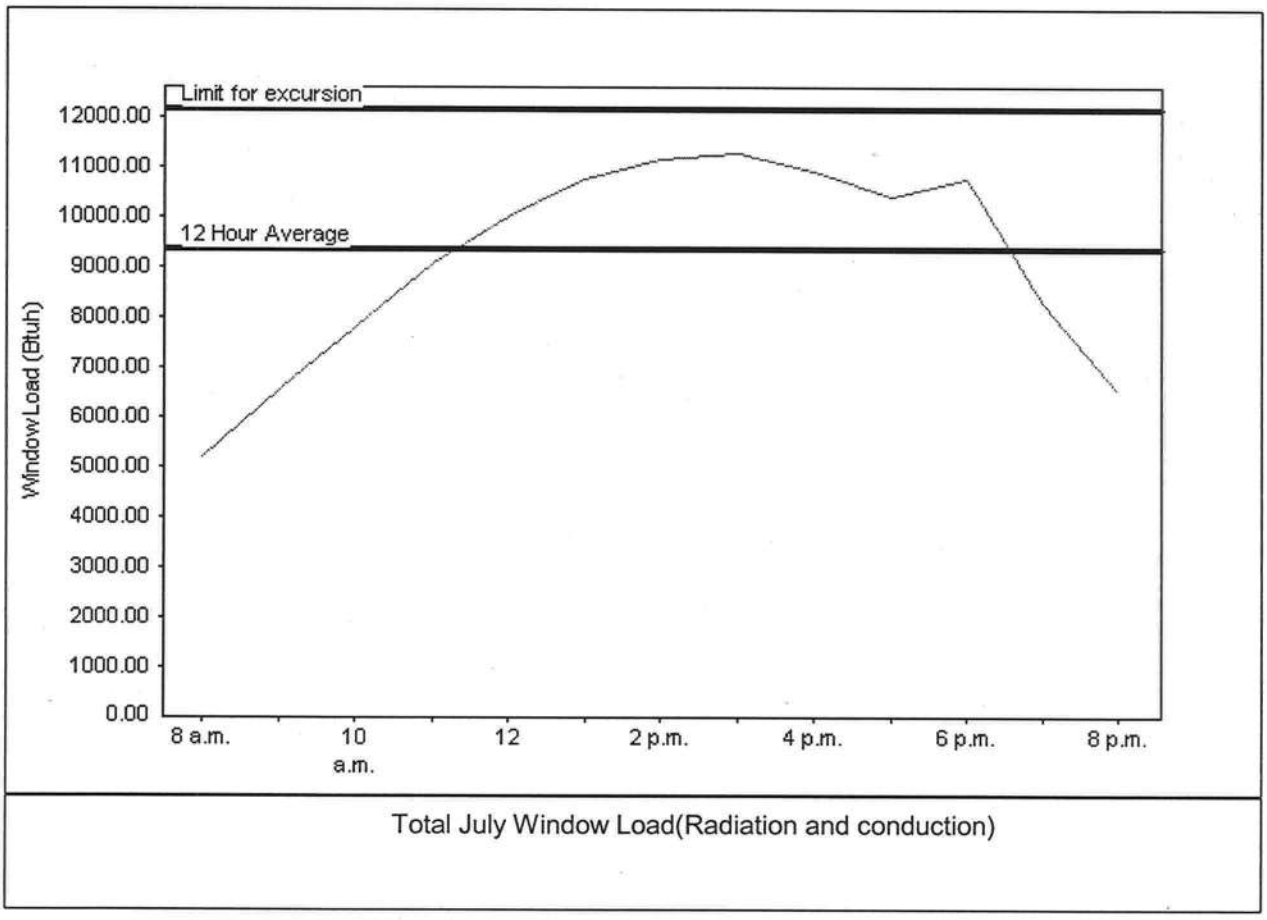
Code Only
Professional Version
Climate: North

5/4/2010

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9352 Btuh
Summer setpoint	75 F	Peak window load for July	11284 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	12158 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

The midsummer window load for this house does not exceed the window load excursion limit.

This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: 5/4/10

RE: LDM-HEATHER - ROOF DESIGN INFO

MiTek Industries, Inc.
6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:
Customer Info: LDM Model: GRAND HEATHER-LEFT HAND
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

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: Robbins OnLine Plus 26.5.027□
Wind Code: ASCE 7-05 Wind Speed: 110 mph
Roof Load: 40.0 psf

This package includes 39 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	T3734645	A1	5/6/010	18	T3734662	A18	5/6/010
2	T3734646	A2	5/6/010	19	T3734663	J1	5/6/010
3	T3734647	A3	5/6/010	20	T3734664	A19GIR	5/6/010
4	T3734648	A4	5/6/010	21	T3734665	A20	5/6/010
5	T3734649	A5	5/6/010	22	T3734666	J2	5/6/010
6	T3734650	A6	5/6/010	23	T3734667	J5	5/6/010
7	T3734651	A7	5/6/010	24	T3734668	J4	5/6/010
8	T3734652	A8	5/6/010	25	T3734669	J3	5/6/010
9	T3734653	A9	5/6/010	26	T3734670	CJ1	5/6/010
10	T3734654	A10	5/6/010	27	T3734671	A21GIR	5/6/010
11	T3734655	A11	5/6/010	28	T3734672	B1	5/6/010
12	T3734656	A12	5/6/010	29	T3734673	B2GIR	5/6/010
13	T3734657	A13	5/6/010	30	T3734674	B3GE	5/6/010
14	T3734658	A14	5/6/010	31	T3734675	C1GIR	5/6/010
15	T3734659	A15	5/6/010	32	T3734676	C2	5/6/010
16	T3734660	A16	5/6/010	33	T3734677	C3	5/6/010
17	T3734661	A17	5/6/010	34	T3734678	CJ2	5/6/010

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

Truss Design Engineer's Name: ORegan, Philip
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
May 6,2010

RE: LDM-HEATHER - ROOF DESIGN INFO

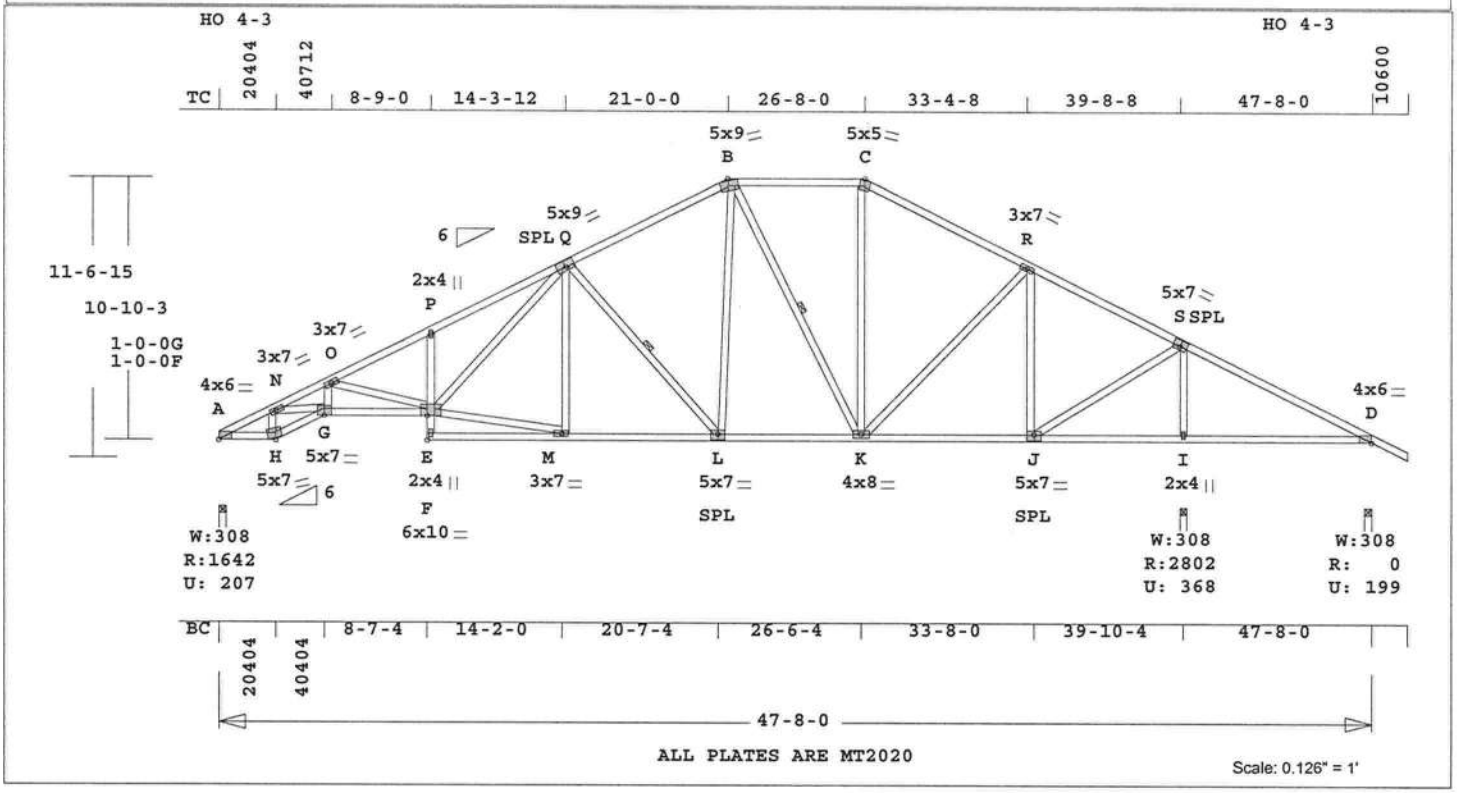
Site Information:

Project Customer: LDM Project Name: GRAND HEATHER-LEFT HAND
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

No.	Seal#	Truss Name	Date
35	T3734679	C4GIR	5/6/010
36	T3734680	D1	5/6/010
37	T3734681	D2GE	5/6/010
38	T3734682	P1	5/6/010
39	T3734683	P2	5/6/010

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A1	1	SP	470800	6	0	1- 6- 0	T3734645

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.126" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 384.6 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.79	2x 4	SP-#2
BC	0.85	2x 4	SP-#1
--	0.62	2x 4	SP-#2
	A -H	E -L	L -J J -D
CW	0.36	2x 4	SP-#2
WB	0.77	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
Q -L B -K
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	1642	207 U	234 R
I	2803	369 U	
D		199 U	233 R

Jt	Brg Size	Required
A	3.5"	1.9"
I	3.5"	3.0"
D	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
A -N	0.23	3121 C	0.06 0.17
N -O	0.41	5708 C	0.24 0.17
O -P	0.38	3608 C	0.12 0.26
P -Q	0.53	3595 C	0.20 0.33
Q -B	0.44	1755 C	0.11 0.33
B -C	0.26	1299 C	0.01 0.25
C -R	0.42	1456 C	0.10 0.32
R -S	0.59	1021 C	0.00 0.59
S -D	0.79	1126 T	0.20 0.59

Bottom Chords				
A -H	0.62	2754 T	0.46	0.16
H -G	0.82	2986 T	0.39	0.43
G -F	0.85	4969 T	0.65	0.20
E -M	0.24	176 T	0.01	0.23
M -L	0.58	2137 T	0.35	0.23
L -K	0.53	1526 T	0.25	0.28
K -J	0.43	905 T	0.15	0.28
J -I	0.37	991 C	0.00	0.37
I -D	0.46	991 C	0.02	0.44
Chord-Webs				
E -F	0.36	84 T	0.00	0.36
F -P	0.16	307 C	0.00	0.16
Webs				
H -N	0.11	1193 C		
N -G	0.43	2347 T		
G -O	0.24	1313 T		
O -F	0.53	1803 C		
F -Q	0.70	1623 T		
F -M	0.36	1993 T		
M -Q	0.10	166 T		
Q -L	0.31	855 C		1 Br
L -B	0.49	875 T		
B -K	0.27	500 C		1 Br
K -C	0.20	274 T		
K -R	0.10	561 T		
J -R	0.77	977 C		
J -S	0.47	2234 T		
I -S	0.65	2601 C		

TL Defl -0.20" in I -D L/445
LL Defl -0.08" in I -D L/999

Hz Disp	LL	DL	TL
	Jt I 0.11"	0.13"	0.24"

Shear // Grain in S -D 0.30

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	4.0x 6.0	Ctr	0.1	0.84
N	MT20	3.0x 7.0	0.4	0.2	0.80
O	MT20	3.0x 7.0	Ctr	Ctr	0.68
P	MT20	2.0x 4.0	Ctr	Ctr	0.33
Q	MT20	5.0x 9.0	-0.2	0.5	0.88
B	MT20	5.0x 9.0	0.8	-3.5	0.43
C	MT20	5.0x 5.0	-0.3	-3.2	0.35
R	MT20	3.0x 7.0	Ctr	Ctr	0.38
S	MT20	5.0x 7.0	0.2	0.5	0.87
D	MT20	4.0x 6.0	Ctr	0.1	0.36
H	MT20	5.0x 7.0	-0.8	3.2	0.67
G	MT20	5.0x 7.0	Ctr	-1.0	0.99
F	MT20	6.0x10.0	Ctr	1.2	0.90
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
M	MT20	3.0x 7.0	-2.2	0.1	0.83
L	MT20	5.0x 7.0	Ctr	-0.5	0.42
K	MT20	4.0x 8.0	Ctr	Ctr	0.29
J	MT20	5.0x 7.0	Ctr	-0.5	0.71
I	MT20	2.0x 4.0	Ctr	Ctr	0.87

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
39-10- 4	47- 8- 0

Max comp. force 5708 Lbs
Max tens. force 4969 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.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

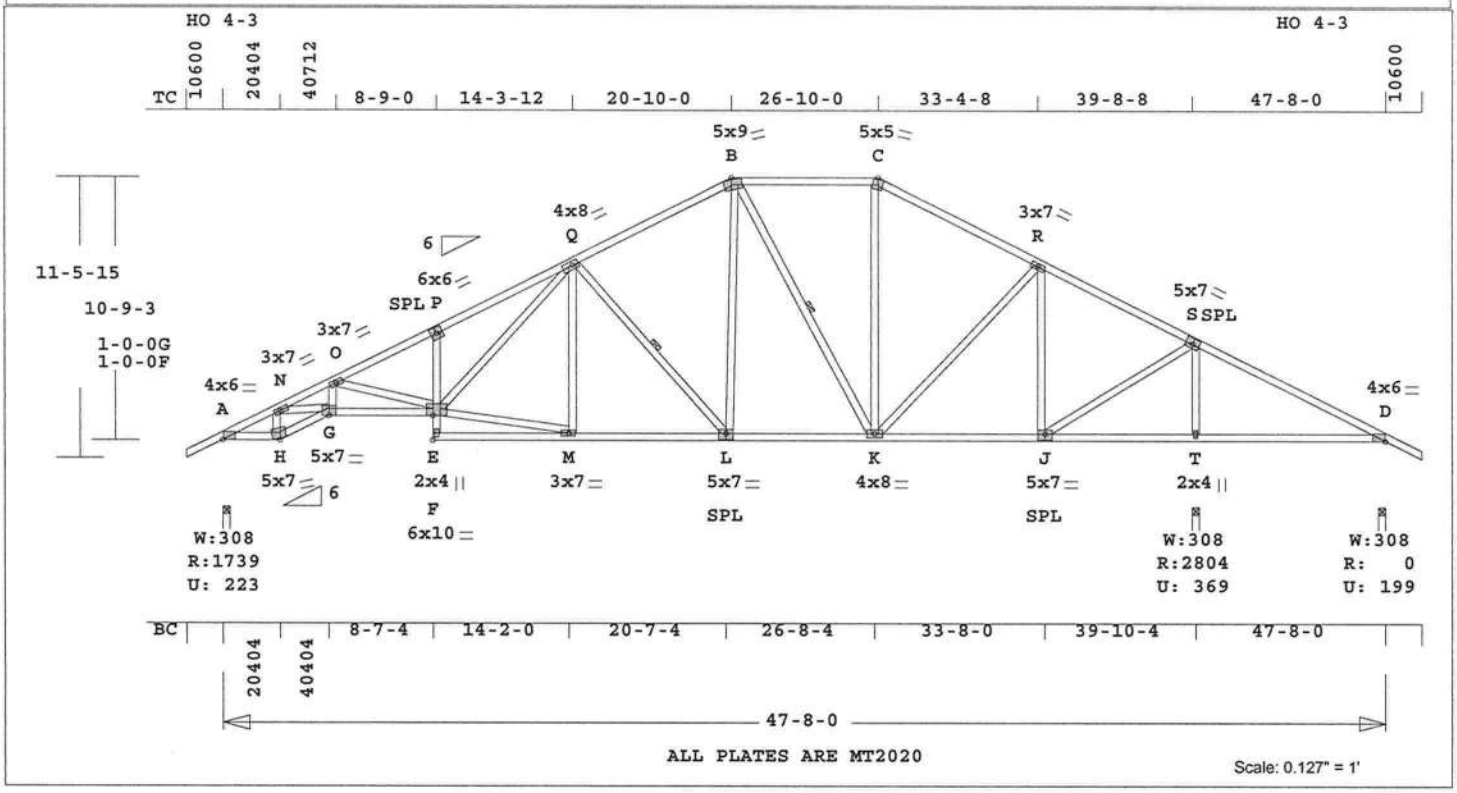
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A2	1	SP	470800	6	1- 6- 0	1- 6- 0	T3734646

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.127" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 387.3 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.79	2x 4	SP-#2
BC	0.85	2x 4	SP-#1
--	0.62	2x 4	SP-#2
	A -H	E -L	L -J J -D
CW	0.36	2x 4	SP-#2
WB	0.77	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20-10- 0
TC	24.0"	20-10- 0	26-10- 0
TC	Cont.	26-10- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
Q -L B -K
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1739	224 U	232 R
T	2805	370 U	
D		200 U	232 R

Jt	Brg Size	Required
A	3.5"	2.1"
T	3.5"	3.0"
D	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	0.23	3109 C	0.06 0.17
N -O	0.41	5698 C	0.24 0.17
O -P	0.38	3606 C	0.12 0.26
P -Q	0.52	3595 C	0.20 0.32
Q -B	0.43	1758 C	0.11 0.32
B -C	0.33	1297 C	0.02 0.31
C -R	0.40	1453 C	0.10 0.30
R -S	0.59	1016 C	0.00 0.59
S -D	0.79	1130 T	0.20 0.59
Bottom Chords			
A -H	0.62	2742 T	0.46 0.16
H -G	0.82	2973 T	0.39 0.43
G -F	0.85	4960 T	0.65 0.20
E -M	0.24	176 T	0.01 0.23
M -L	0.59	2135 T	0.35 0.24
L -K	0.53	1544 T	0.25 0.28
K -J	0.43	900 T	0.15 0.28
J -T	0.37	994 C	0.00 0.37
T -D	0.46	994 C	0.02 0.44
Chord-Webs			
E -F	0.36	84 T	0.00 0.36
F -P	0.16	311 C	0.00 0.16
Webs			
H -N	0.11	1190 C	
N -G	0.43	2349 T	
G -O	0.24	1308 T	
O -F	0.53	1795 C	
F -Q	0.70	1624 T	
F -M	0.36	1990 T	
M -Q	0.10	165 T	
Q -L	0.31	845 C	1 Br
L -B	0.47	875 T	
B -K	0.28	516 C	1 Br
K -C	0.18	272 T	
K -R	0.10	572 T	
J -R	0.77	982 C	
J -S	0.46	2232 T	
T -S	0.65	2601 C	

TL Defl -0.20" in T -D L/447
LL Defl -0.08" in T -D L/999

Hz Disp	LL	DL	TL
Jt T	0.11"	0.13"	0.24"

Shear // Grain in S -D 0.30

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	4.0x 6.0	Ctr	0.1	0.83
N	MT20	3.0x 7.0	0.4	0.2	0.80
O	MT20	3.0x 7.0	Ctr	Ctr	0.68
P	MT20	6.0x 6.0	Ctr	Ctr	0.41
Q	MT20	4.0x 8.0	-0.9	-0.4	0.71
B	MT20	5.0x 9.0	0.8	-3.5	0.43
C	MT20	5.0x 5.0	-0.3	-3.2	0.35
R	MT20	3.0x 7.0	Ctr	Ctr	0.39
S	MT20	5.0x 7.0	0.2	0.5	0.87
D	MT20	4.0x 6.0	Ctr	0.1	0.36
H	MT20	5.0x 7.0	-0.8	3.2	0.66
G	MT20	5.0x 7.0	Ctr	-1.0	0.99
F	MT20	6.0x10.0	Ctr	1.2	0.90
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
M	MT20	3.0x 7.0	-2.2	0.1	0.83
L	MT20	5.0x 7.0	Ctr	-0.5	0.42
K	MT20	4.0x 8.0	Ctr	Ctr	0.29
J	MT20	5.0x 7.0	Ctr	-0.5	0.71
T	MT20	2.0x 4.0	Ctr	Ctr	0.87

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
39-10- 4 47- 8- 0
Max comp. force 5698 Lbs
Max tens. force 4960 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.



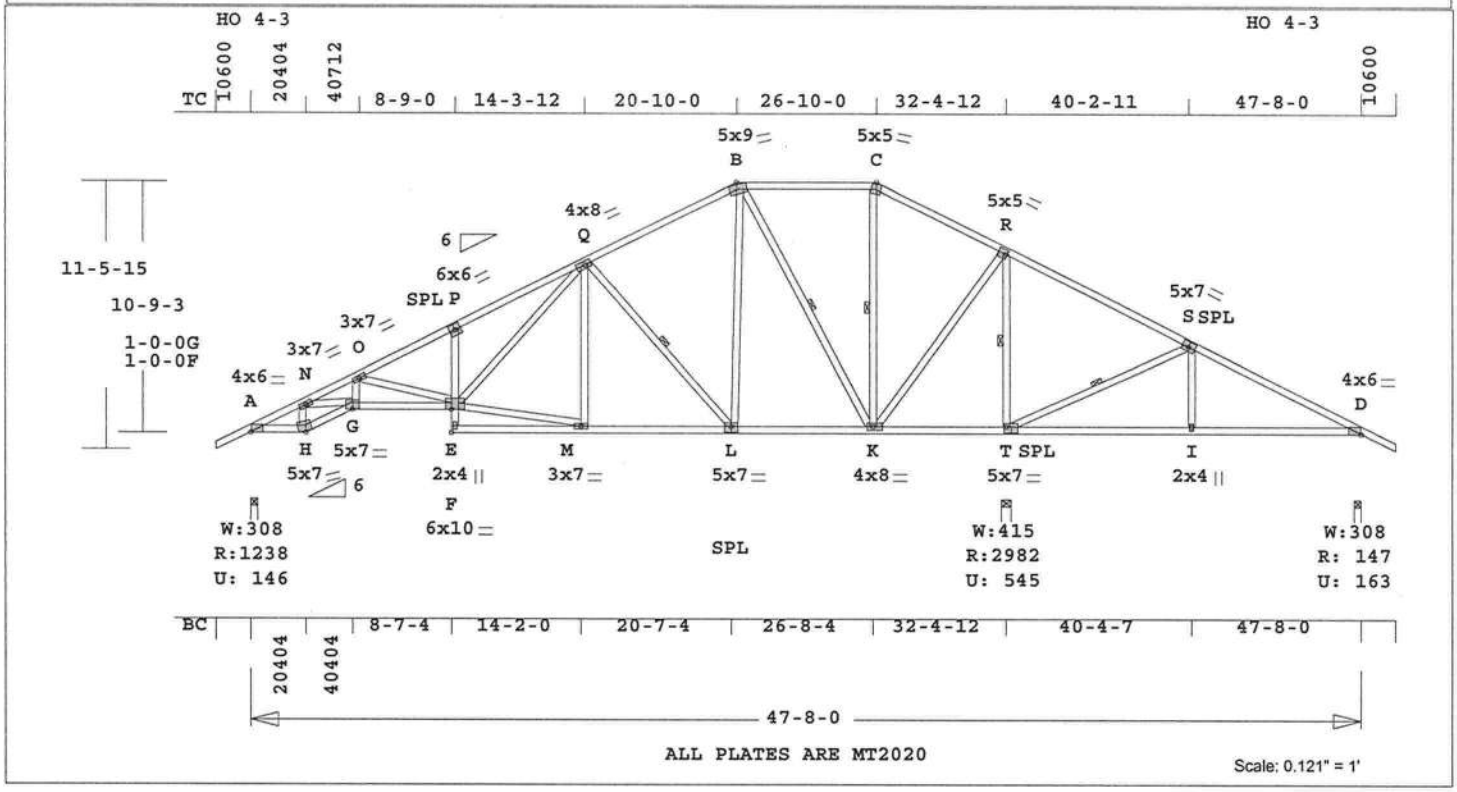
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May 6,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	A3	1	SP	470800	6	1- 6- 0	1- 6- 0	T3734647

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 389.9 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.81	2x 4	SP-#2
BC	0.69	2x 4	SP-#2
CW	0.20	2x 4	SP-#2
WB	0.76	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20-10- 0
TC	24.0"	20-10- 0	26-10- 0
TC	Cont.	26-10- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
Q -L B -K K -C T -R
T -S
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1238	146 U	232 R
T	2983	546 U	
D	147	164 U	232 R

Jt	Brg Size	Required
A	3.5"	1.5"
T	4.9"	3.3"
D	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	0.14	2102 C	0.10	0.04
N -O	0.21	3753 C	0.10	0.11
O -P	0.24	2219 C	0.10	0.14
P -Q	0.44	2210 C	0.12	0.32
Q -B	0.37	652 C	0.05	0.32
B -C	0.29	240 T	0.00	0.29
C -R	0.48	190 T	0.00	0.48
R -S	0.81	1186 T	0.18	0.63
S -D	0.71	411 T	0.08	0.63
--------Bottom Chords---------				
A -H	0.42	1855 T	0.31	0.11
H -G	0.67	2013 T	0.33	0.34
G -F	0.69	3265 T	0.54	0.15
E -M	0.23	96 T	0.00	0.23
M -L	0.45	1151 T	0.19	0.26
L -K	0.35	551 T	0.09	0.26
K -T	0.28	1065 C	0.00	0.28
T -I	0.37	351 C	0.00	0.37
I -D	0.37	351 C	0.00	0.37
----------Chord-Webs----------				
E -F	0.20	85 T	0.00	0.20
F -P	0.10	303 C	0.00	0.10
------------Webs-------------				
H -N	0.07	796 C		
N -G	0.27	1502 T		
G -O	0.16	904 T		
O -F	0.39	1325 C		
F -Q	0.53	1244 T		
F -M	0.19	1071 T		
M -Q	0.02	144 T		
Q -L	0.32	857 C		1 Br
L -B	0.49	895 T		
B -K	0.62	1105 C		1 Br
K -C	0.13	307 C		1 Br
K -R	0.76	1822 T		
T -R	0.61	2435 C		1 Br
T -S	0.24	868 T		1 Br
I -S	0.06	338 T		

TL Defl	-0.37" in E -M	L/999	
LL Defl	-0.16" in G -F	L/999	
Hz Disp	LL	DL	TL
Jt T	0.07"	0.08"	0.14"
Shear // Grain	in R -S	0.29	

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	4.0x 6.0	Ctr	0.1	0.56
N	MT20	3.0x 7.0	Ctr	Ctr	0.56
O	MT20	3.0x 7.0	Ctr	Ctr	0.47
P	MT20	6.0x 6.0	Ctr	Ctr	0.38
Q	MT20	4.0x 8.0-0.4-0.2			0.68
B	MT20	5.0x 9.0	0.8	3.5	0.51
C	MT20	5.0x 5.0-0.3-3.2			0.35
R	MT20	5.0x 5.0	Ctr	Ctr	0.80
S	MT20	5.0x 7.0	0.2	0.5	0.38
D	MT20	4.0x 6.0	Ctr	0.1	0.36
H	MT20	5.0x 7.0-0.8	3.2		0.45
G	MT20	5.0x 7.0	Ctr	-1.0	0.65
F	MT20	6.0x10.0	Ctr	1.2	0.59
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
M	MT20	3.0x 7.0	-1.8	Ctr	0.51
L	MT20	5.0x 7.0	Ctr	-0.5	0.39
K	MT20	4.0x 8.0	1.0	Ctr	0.78
T	MT20	5.0x 7.0	Ctr	-0.5	0.58
I	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
32- 4-12 47- 8- 0
Max comp. force 3753 Lbs
Max tens. force 3265 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.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

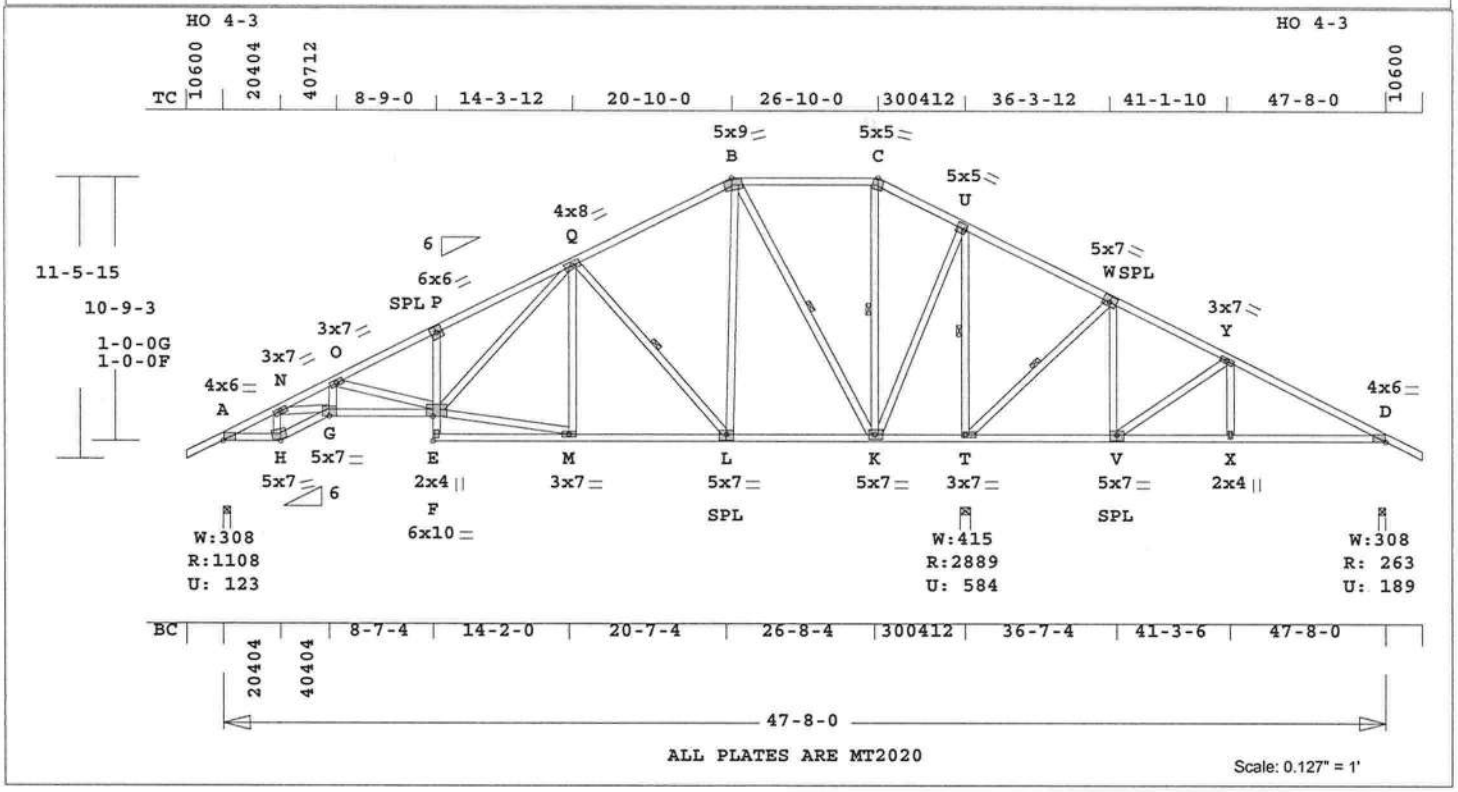
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May 6,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	*A4*	1	SP	470800	6	1- 6- 0	1- 6- 0	*T3734648*

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.127" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 410.2 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.49	2x 4	SP-#2
BC	0.60	2x 4	SP-#2
CW	0.16	2x 4	SP-#2
WB	0.78	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20-10- 0
TC	24.0"	20-10- 0	26-10- 0
TC	Cont.	26-10- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
Q -L B -K K -C T -U
T -W
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1109	123 U	232 R
T	2890	585 U	
D	263	189 U	232 R

Jt	Brg Size	Required
A	3.5"	1.5"
T	4.9"	3.2"
D	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	0.12	1841 C	0.09 0.03
N -O	0.18	3249 C	0.14 0.04
O -P	0.23	1858 C	0.02 0.21
P -Q	0.43	1850 C	0.10 0.33
Q -B	0.36	366 C	0.00 0.36
B -C	0.35	312 T	0.05 0.30
C -U	0.33	333 T	0.04 0.29
U -W	0.49	1140 T	0.20 0.29
W -Y	0.40	591 T	0.08 0.32
Y -D	0.35	425 T	0.03 0.32
Bottom Chords			
A -H	0.36	1625 T	0.27 0.09
H -G	0.58	1765 T	0.29 0.29
G -F	0.60	2827 T	0.47 0.13
E -M	0.22	76 T	0.00 0.22
M -L	0.43	895 T	0.15 0.28
L -K	0.32	294 T	0.04 0.28
K -T	0.20	1019 C	0.09 0.11
T -V	0.18	531 C	0.00 0.18
V -X	0.20	295 C	0.00 0.20
X -D	0.22	295 C	0.00 0.22
Chord-Webs			
E -F	0.16	85 T	0.00 0.16
F -P	0.09	301 C	0.00 0.09
Webs			
H -N	0.06	694 C	
N -G	0.23	1283 T	
G -O	0.14	800 T	
O -F	0.35	1204 C	
F -Q	0.48	1146 T	
F -M	0.15	831 T	
M -Q	0.02	171 T	
Q -L	0.32	858 C	1 Br
L -B	0.49	906 T	
B -K	0.71	1268 C	1 Br
K -C	0.18	410 C	1 Br
K -U	0.78	1797 T	
T -U	0.73	2328 C	1 Br
T -W	0.18	713 T	1 Br
V -W	0.23	470 C	
V -Y	0.26	571 T	
X -Y	0.03	244 T	

TL Defl	-0.32" in E -M		L/999
LL Defl	-0.14" in G -F		L/999
Hz Disp	LL	DL	TL
	Jt T	0.06"	0.07" 0.12"
Shear // Grain		in Q -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	4.0x 6.0	Ctr	0.1	0.49
N	MT20	3.0x 7.0	Ctr	Ctr	0.48
O	MT20	3.0x 7.0	Ctr	Ctr	0.41
P	MT20	6.0x 6.0	Ctr	Ctr	0.38
Q	MT20	4.0x 8.0	Ctr	Ctr	0.80
B	MT20	5.0x 9.0	0.8-3.5		0.58
C	MT20	5.0x 5.0	-0.3-3.2		0.35
U	MT20	5.0x 5.0	Ctr	Ctr	0.82
W	MT20	5.0x 7.0	0.2	0.5	0.38
Y	MT20	3.0x 7.0	Ctr	Ctr	0.27
D	MT20	4.0x 6.0	Ctr	0.1	0.36
H	MT20	5.0x 7.0	-0.8	3.2	0.39
G	MT20	5.0x 7.0	Ctr	-1.0	0.56
F	MT20	6.0x10.0	Ctr	1.2	0.51
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
M	MT20	3.0x 7.0	-1.8	Ctr	0.39
L	MT20	5.0x 7.0	Ctr	-0.5	0.39
K	MT20	5.0x 7.0	0.5	Ctr	0.81
T	MT20	3.0x 7.0	Ctr	Ctr	0.58
V	MT20	5.0x 7.0	Ctr	-0.5	0.39
X	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
30- 4-12 47- 8- 0
Max comp. force 3249 Lbs
Max tens. force 2827 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.



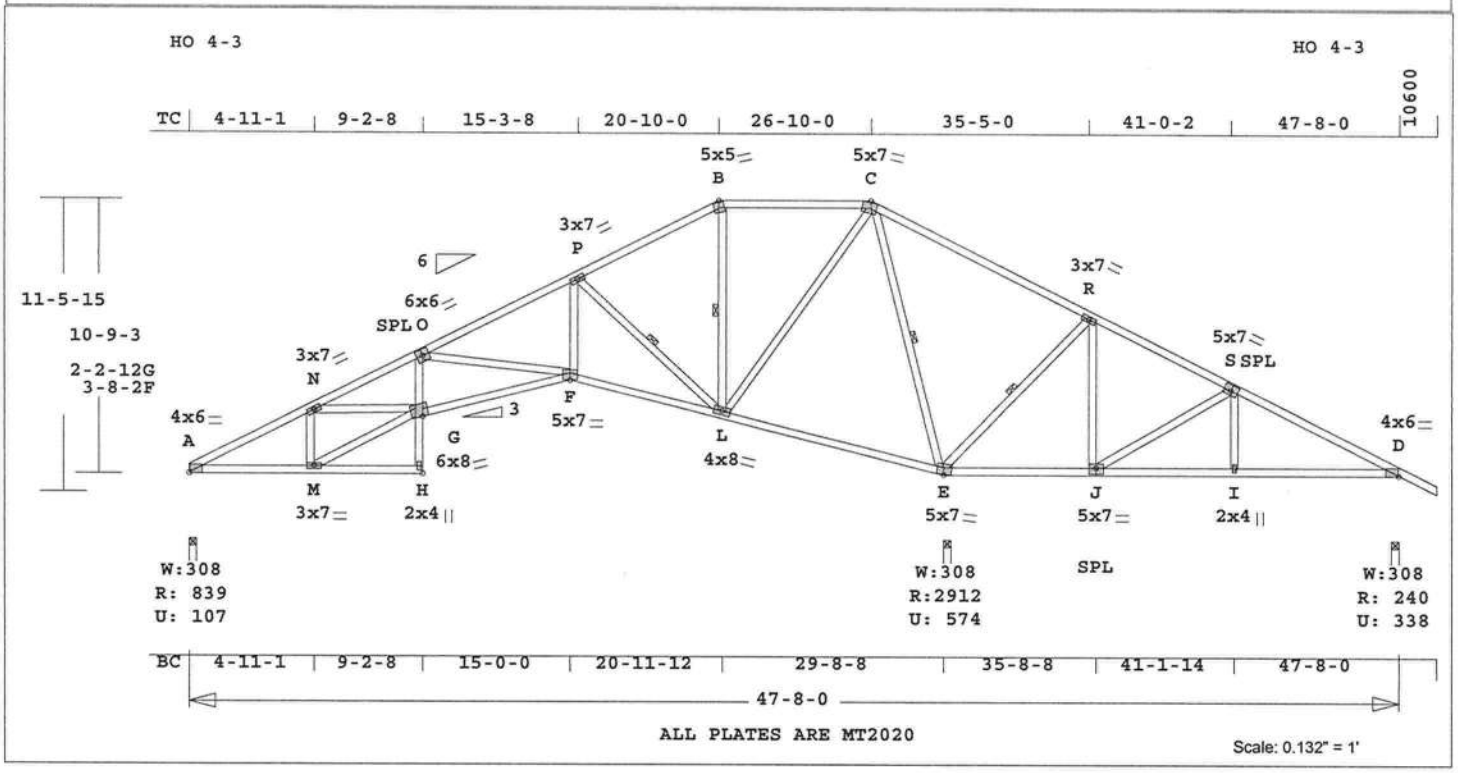
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A5	1	SP	470800	6	0	1- 6- 0	T3734649

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 353.0 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.86	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
CW	0.16	2x 4	SP-#2
WB	0.94	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20-10- 0
TC	24.0"	20-10- 0	26-10- 0
TC	Cont.	26-10- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	840	108 U	234 R
E	2912	574 U	
D	241	338 U	233 R

Jt	Brg Size	Required
A	3.5"	1.5"
E	3.5"	3.1"
D	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	0.21	1416 C		0.08	0.13
N -O	0.25	2013 C		0.10	0.15
O -P	0.37	1039 C		0.00	0.37
P -B	0.37	145 T		0.00	0.37
B -C	0.55	223 T		0.00	0.55
C -R	0.86	1328 T		0.20	0.66
R -S	0.79	709 T		0.13	0.66
S -D	0.34	589 T		0.06	0.28
Bottom Chords					
A -M	0.26	1266 T		0.21	0.05
M -H	0.10	19 C		0.00	0.10
G -F	0.44	1881 T		0.31	0.13
F -L	0.52	925 T		0.08	0.44
L -E	0.44	674 C		0.00	0.44
E -J	0.59	620 C		0.00	0.59
J -I	0.26	509 C		0.00	0.26
I -D	0.26	509 C		0.00	0.26
Chord-Webs					
H -G	0.07	70 T		0.00	0.07
G -O	0.16	313 T		0.04	0.12
Webs					
M -N	0.06	544 C			
M -G	0.25	1403 T			
N -G	0.09	538 T			
O -F	0.51	894 C			
F -P	0.16	892 T			
P -L	0.31	1215 C		1 Br	
L -B	0.07	276 C		1 Br	
L -C	0.62	1144 T			
C -E	0.94	2049 C		1 Br	
E -R	0.24	825 T		1 Br	
J -R	0.25	438 C			
J -S	0.34	596 T			
I -S	0.04	285 T			

TL Defl -0.41" in L -E L/868
LL Defl -0.17" in L -E L/999

Hz Disp	LL	DL	TL
Jt E	0.06"	0.09"	0.16"

Shear // Grain in C -R 0.33

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	4.0x 6.0	Ctr	0.1	0.37
N	MT20	3.0x 7.0	Ctr	Ctr	0.24
O	MT20	6.0x 6.0	Ctr	Ctr	0.43
P	MT20	3.0x 7.0	Ctr	Ctr	0.46
B	MT20	5.0x 5.0	0.3-3.2		0.35
C	MT20	5.0x 7.0	-0.8-3.2		0.80
R	MT20	3.0x 7.0	Ctr	Ctr	0.44
S	MT20	5.0x 7.0	0.2	0.5	0.38
D	MT20	4.0x 6.0	Ctr	0.1	0.36
M	MT20	3.0x 7.0	Ctr	Ctr	0.59
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	6.0x 8.0	Ctr	0.9	0.44
F	MT20	5.0x 7.0	Ctr-1.1		0.44
L	MT20	4.0x 8.0	Ctr	Ctr	0.63
E	MT20	5.0x 7.0	0.4	2.9	0.62
J	MT20	5.0x 7.0	Ctr-0.5		0.39
I	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29- 8- 8 47- 8- 0
Max comp. force 2049 Lbs
Max tens. force 1881 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.

PHILIP J. O'REGAN
LICENSE
No 58126
STATE OF FLORIDA
PROFESSIONAL ENGINEER

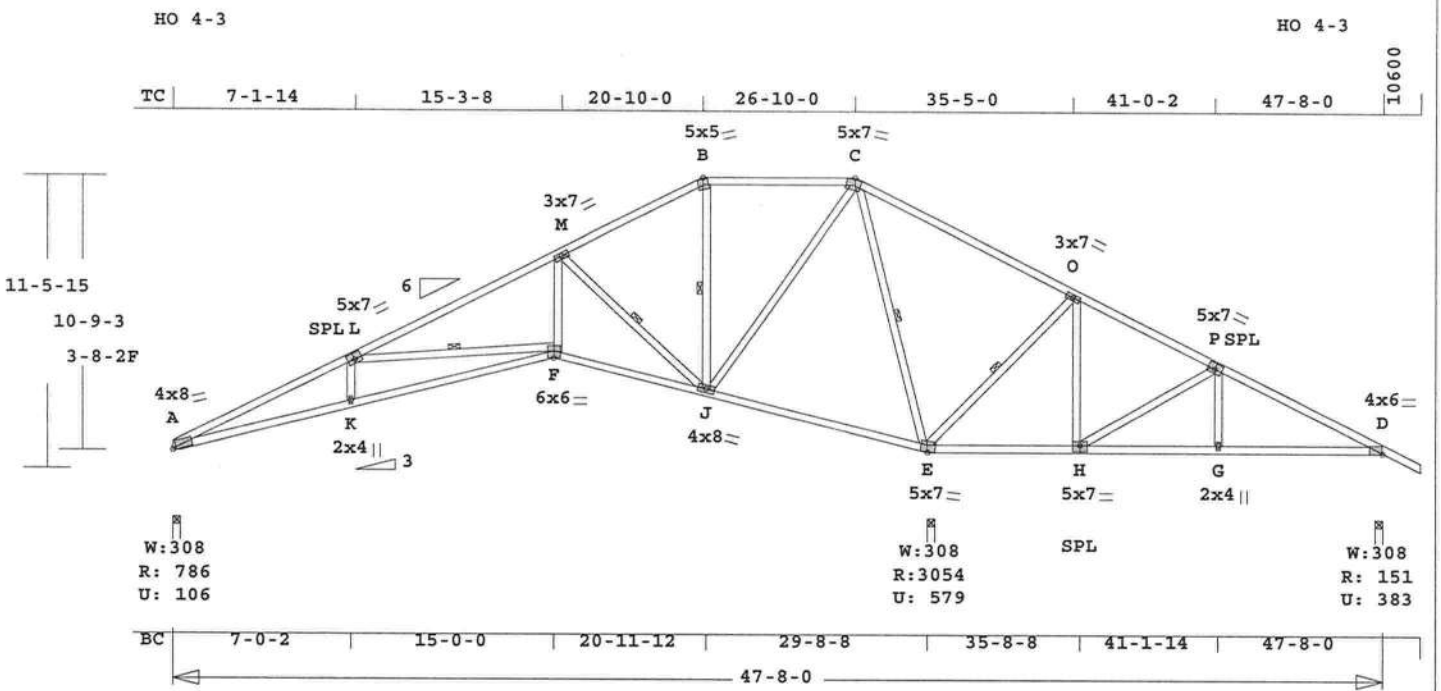
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A6	1	SP	470800	6	0	1- 6- 0	T3734650

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 332.0 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.89	2x 4	SP-#2
BC	0.60	2x 4	SP-#2
WB	1.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20-10- 0
TC	24.0"	20-10- 0	26-10- 0
TC	Cont.	26-10- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
L -F M -J J -B C -E
E -O
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	787	106 U	234 R
E	3054	580 U	
D	152	383 U	233 R

Jt	Brg Size	Required
A	3.5"	1.5"
E	3.5"	3.3"
D	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 -L	0.50	2228 C	0.12 0.38
L -M	0.55	820 C	0.00 0.55
M -B	0.55	125 T	0.00 0.55
B -C	0.56	191 T	0.01 0.55
C -O	0.89	1524 T	0.23 0.66
O -P	0.82	905 T	0.16 0.66
P -D	0.37	685 T	0.06 0.31
--------Bottom Chords---------			
A -K	0.48	2064 T	0.22 0.26
K -F	0.60	2067 T	0.35 0.25
F -J	0.50	733 T	0.06 0.44
J -E	0.44	823 C	0.00 0.44
E -H	0.60	795 C	0.00 0.60
H -G	0.27	594 C	0.00 0.27
G -D	0.27	594 C	0.00 0.27
----------Webs----------			
K -L	0.04	299 T	
L -F	0.35	1267 C	1 Br
F -M	0.13	739 T	
M -J	0.29	1146 C	1 Br
J -B	0.09	320 C	1 Br
J -C	0.63	1164 T	
C -E	1.00	2159 C	1 Br
E -O	0.24	826 T	1 Br
H -O	0.25	439 C	
H -P	0.34	597 T	
G -P	0.04	288 T	

TL Defl -0.42" in K -F L/832
LL Defl -0.17" in J -E L/999

Hz Disp	LL	DL	TL
Jt E	0.08"	0.12"	0.20"

Shear // Grain in C -O 0.33

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	4.0x 8.0	Ctr	0.2	0.45
L	MT20	5.0x 7.0	-0.2	0.5	0.38
M	MT20	3.0x 7.0	Ctr	Ctr	0.44
B	MT20	5.0x 5.0	0.3	-3.2	0.35
C	MT20	5.0x 7.0	-0.8	-3.2	0.84
O	MT20	3.0x 7.0	Ctr	Ctr	0.44
P	MT20	5.0x 7.0	0.2	0.5	0.38
D	MT20	4.0x 6.0	Ctr	0.1	0.36
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	6.0x 6.0	Ctr	-0.6	0.45
J	MT20	4.0x 8.0	Ctr	Ctr	0.60
E	MT20	5.0x 7.0	0.4	2.9	0.66
H	MT20	5.0x 7.0	Ctr	-0.5	0.39
G	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29- 8- 8 47- 8- 0
Max comp. force 2228 Lbs
Max tens. force 2067 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.



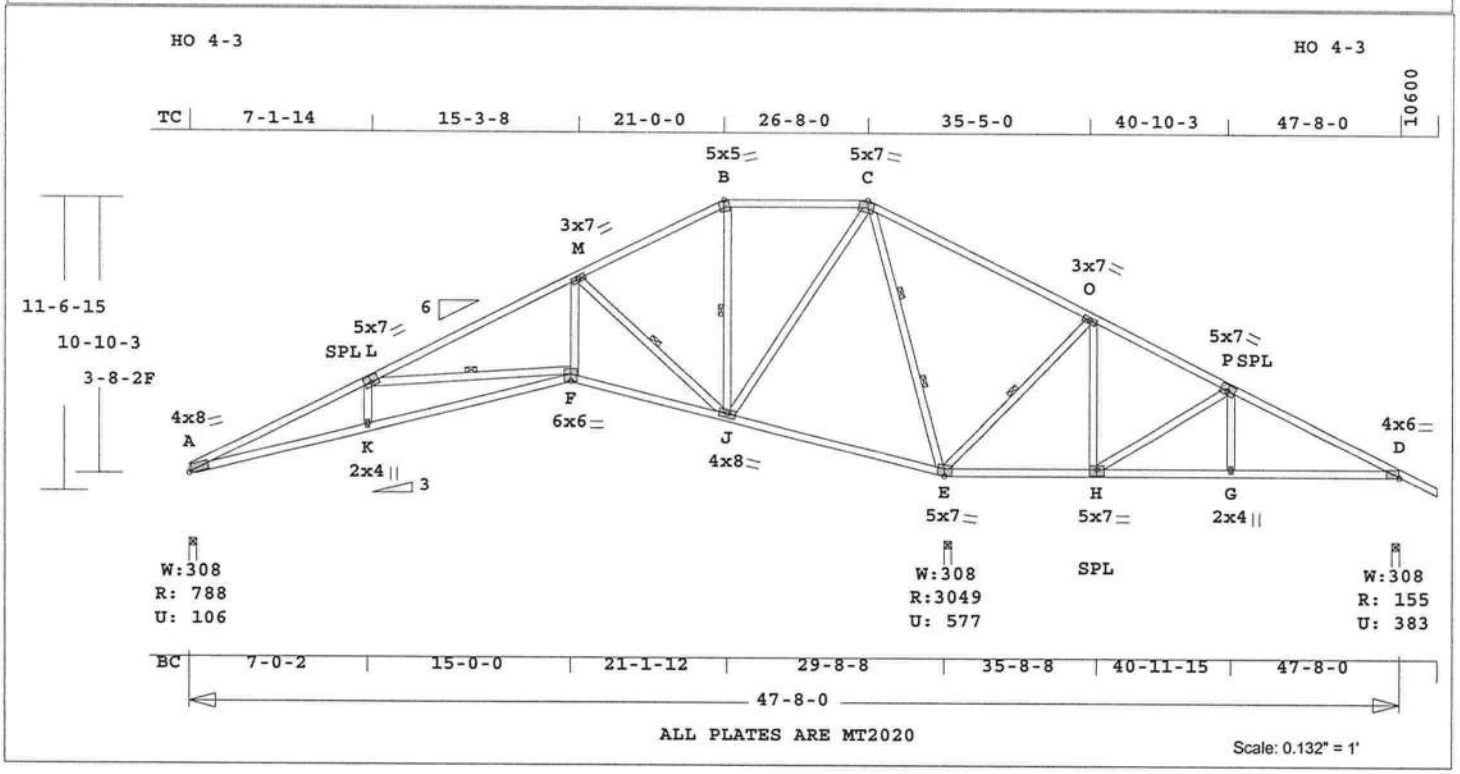
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A7	1	SP	470800	6	0	1- 6- 0	T3734651

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 332.6 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.91	2x 4	SP-#2
BC	0.60	2x 4	SP-#2
WB	0.78	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
L -F M -J J -B E -O
Two Continuous Lateral Braces
C -E
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	789	107 U	236 R
E	3050	577 U	
D	155	384 U	235 R

Jt	Brg Size	Required
A	3.5"	1.5"
E	3.5"	3.3"
D	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 -L	0.50	2234 C	0.12	0.38
L -M	0.56	830 C	0.00	0.56
M -B	0.56	127 T	0.00	0.56
B -C	0.58	194 T	0.02	0.56
C -O	0.91	1521 T	0.23	0.68
O -P	0.84	898 T	0.16	0.68
P -D	0.39	685 T	0.06	0.33
Bottom Chords				
A -K	0.48	2069 T	0.22	0.26
K -F	0.60	2072 T	0.35	0.25
F -J	0.49	743 T	0.06	0.43
J -E	0.43	790 C	0.00	0.43
E -H	0.59	787 C	0.00	0.59
H -G	0.27	594 C	0.00	0.27
G -D	0.28	594 C	0.00	0.28
Webs				
K -L	0.04	299 T		
L -F	0.35	1263 C		1 Br
F -M	0.13	747 T		
M -J	0.31	1165 C		1 Br
J -B	0.09	317 C		1 Br
J -C	0.60	1141 T		
C -E	0.78	2169 C		2 Br
E -O	0.24	829 T		1 Br
H -O	0.25	441 C		
H -P	0.32	589 T		
G -P	0.04	289 T		

TL Defl -0.43" in K -F L/830
LL Defl -0.16" in J -E L/999

Hz Disp	LL	DL	TL
Jt E	0.08"	0.12"	0.20"

Shear // Grain in C -O 0.34

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	4.0x 8.0	Ctr	0.2	0.45
L	MT20	5.0x 7.0	-0.2	0.5	0.38
M	MT20	3.0x 7.0	Ctr	Ctr	0.44
B	MT20	5.0x 5.0	0.3	-3.2	0.35
C	MT20	5.0x 7.0	-0.8	-3.2	0.86
O	MT20	3.0x 7.0	Ctr	Ctr	0.44
P	MT20	5.0x 7.0	0.2	0.5	0.38
D	MT20	4.0x 6.0	Ctr	0.1	0.36
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	6.0x 6.0	Ctr	-0.6	0.45
J	MT20	4.0x 8.0	Ctr	Ctr	0.60
E	MT20	5.0x 7.0	0.4	2.9	0.67
H	MT20	5.0x 7.0	Ctr	-0.5	0.39
G	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29- 8- 8 47- 8- 0
Max comp. force 2234 Lbs
Max tens. force 2072 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.



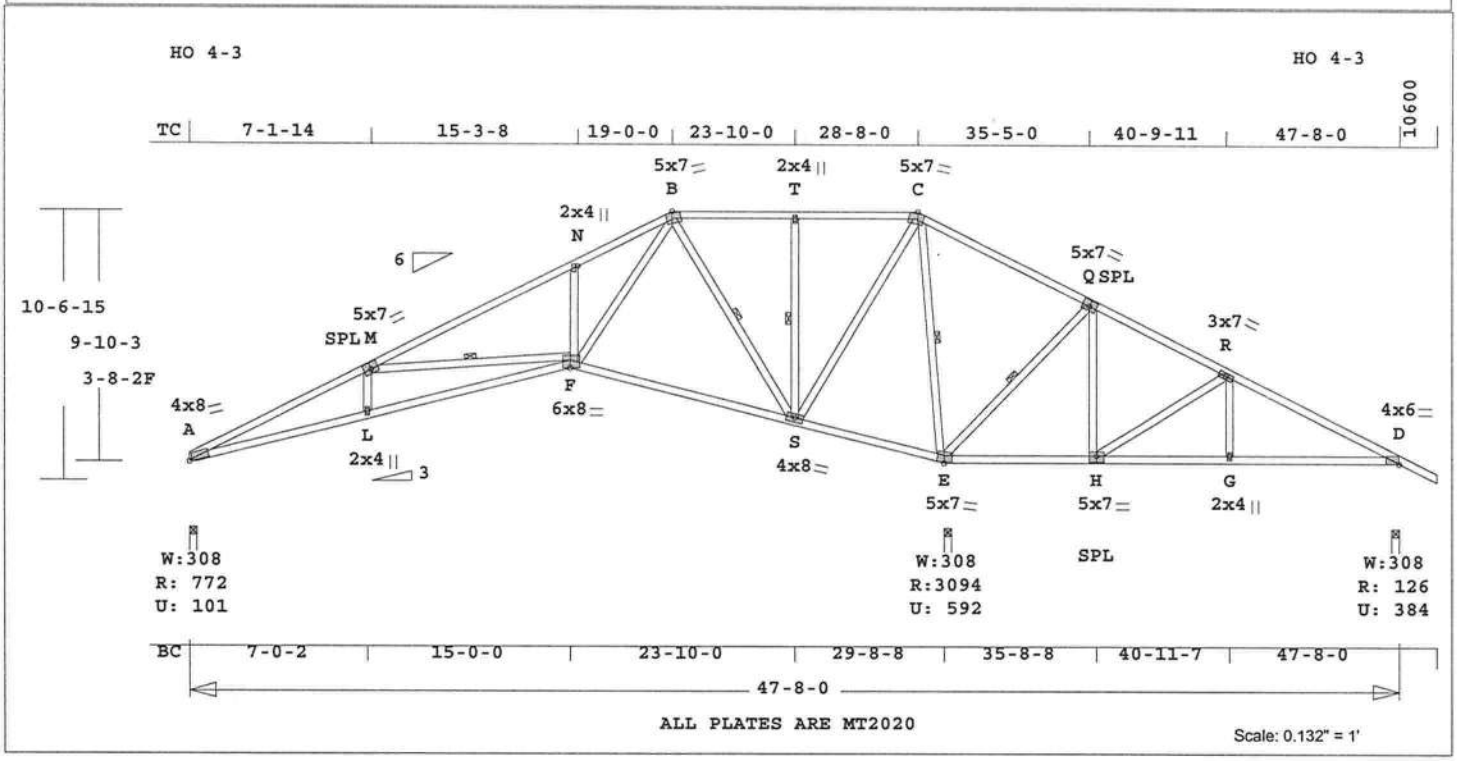
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A8	1	SP	470800	6	0	1- 6- 0	T3734652

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.132" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 342.5 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.66	2x 4	SP-#2
BC	0.69	2x 4	SP-#2
WB	0.78	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
M -F B -S S -T C -E
E -Q
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	772	101 U	214 R
E	3095	592 U	
D	126	385 U	213 R

Jt	Brg Size	Required
A	3.5"	1.5"
E	3.5"	3.3"
D	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 -M	0.52	2166 C	0.02	0.50
M -N	0.50	770 C	0.01	0.49
N -B	0.42	774 C	0.00	0.42
B -T	0.38	505 T	0.08	0.30
T -C	0.40	505 T	0.08	0.32
C -Q	0.66	1560 T	0.24	0.42
Q -R	0.59	971 T	0.17	0.42
R -D	0.44	688 T	0.08	0.36
Bottom Chords				
A -L	0.46	2008 T	0.33	0.13
L -F	0.69	2014 T	0.34	0.35
F -S	0.46	379 T	0.00	0.46
S -E	0.46	1209 C	0.00	0.46
E -H	0.54	866 C	0.00	0.54
H -G	0.26	596 C	0.00	0.26
G -D	0.27	596 C	0.00	0.27
Webs				
L -M	0.04	281 T		
M -F	0.35	1262 C		1 Br
F -N	0.09	396 T		
F -B	0.32	1183 T		
B -S	0.34	970 C		1 Br
S -T	0.09	329 C		1 Br
S -C	0.60	1293 T		
C -E	0.78	2148 C		1 Br
E -Q	0.22	768 T		1 Br
H -Q	0.26	456 C		
H -R	0.34	624 T		
G -R	0.04	284 T		

TL Defl -0.47" in F -S L/753
LL Defl -0.17" in F -S L/999

Hz Disp	LL	DL	TL
Jt E	0.08"	0.11"	0.19"

Shear // Grain in M -N 0.29

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	4.0x 8.0	Ctr	0.2	0.44
M	MT20	5.0x 7.0	-0.2	0.5	0.38
N	MT20	2.0x 4.0	Ctr	Ctr	0.33
B	MT20	5.0x 7.0	0.8	-3.2	0.68
T	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 7.0	-0.8	-3.2	0.71
Q	MT20	5.0x 7.0	0.2	0.5	0.38
R	MT20	3.0x 7.0	Ctr	Ctr	0.27
D	MT20	4.0x 6.0	Ctr	0.1	0.36
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	6.0x 8.0	0.5	-0.6	0.83
S	MT20	4.0x 8.0	Ctr	Ctr	0.69
E	MT20	5.0x 7.0	0.4	2.9	0.68
H	MT20	5.0x 7.0	Ctr	-0.5	0.39
G	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
29- 8- 8	47- 8- 0

Max comp. force 2166 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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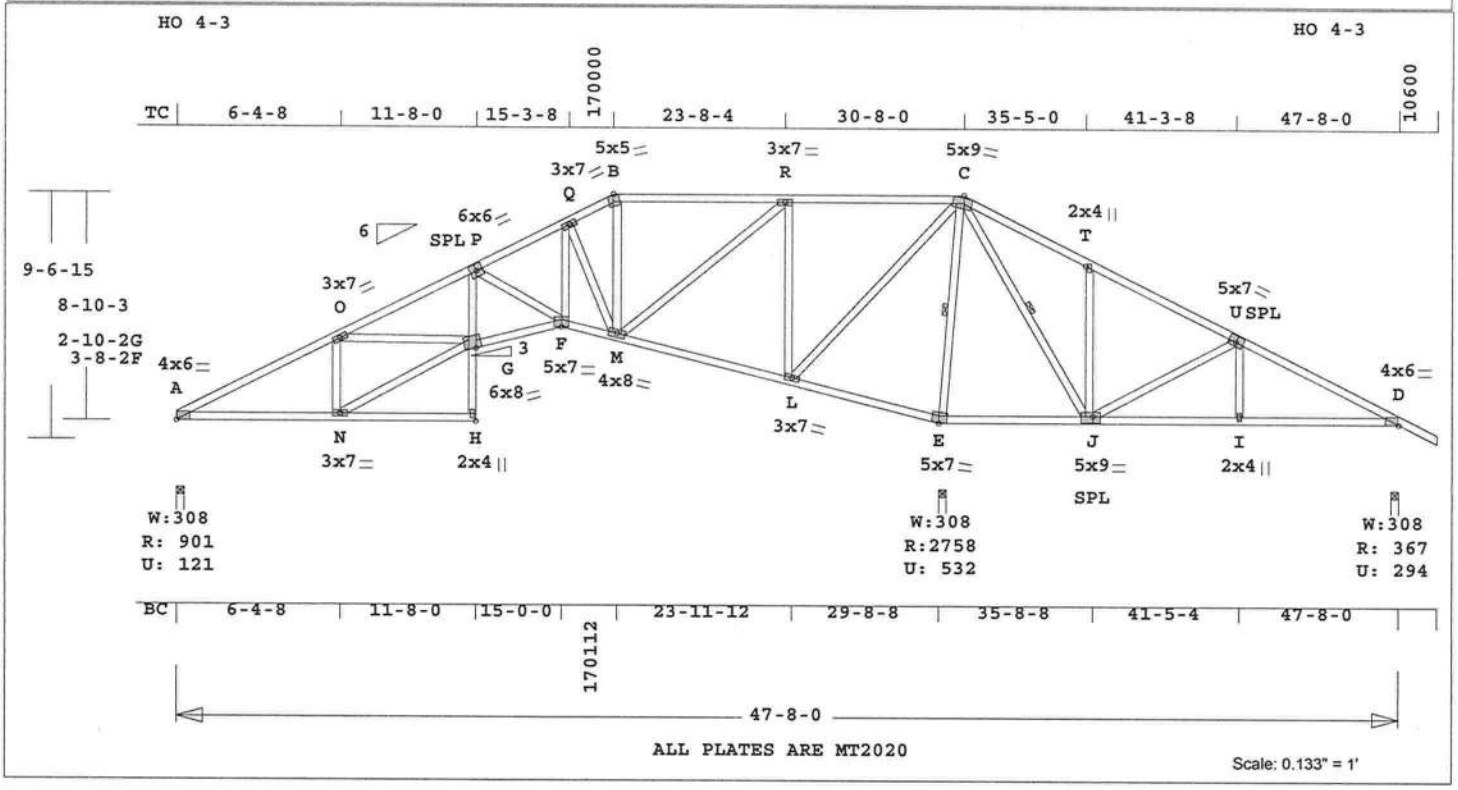
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A9	1	SP	470800	6	0	1- 6- 0	T3734653

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 369.9 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.51	2x 4	SP-#2
BC	0.75	2x 4	SP-#2
CW	0.10	2x 4	SP-#2
WB	0.88	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	901	121 U	191 R
E	2759	533 U	
D	367	294 U	189 R

Jt	Brg Size	Required
A	3.5"	1.5"
E	3.5"	2.9"
D	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 -O	0.33	1470 C	0.08 0.25
O -P	0.33	1875 C	0.08 0.25
P -Q	0.19	1257 C	0.06 0.13
Q -B	0.16	750 C	0.00 0.16
B -R	0.49	690 C	0.00 0.49
R -C	0.51	160 T	0.02 0.49
C -T	0.32	476 T	0.05 0.27
T -U	0.43	451 T	0.05 0.38
U -D	0.38	643 T	0.00 0.38
Bottom Chords			
A -N	0.34	1320 T	0.22 0.12
N -H	0.20	13 T	0.00 0.20
G -F	0.34	1733 T	0.29 0.05
F -M	0.36	1105 T	0.18 0.18
M -L	0.22	379 T	0.00 0.22
L -E	0.75	1126 C	0.01 0.74
E -J	0.62	889 C	0.01 0.61
J -I	0.32	500 C	0.01 0.31
I -D	0.19	500 C	0.01 0.18
Chord-Webs			
H -G	0.08	81 T	0.00 0.08
G -P	0.10	345 T	0.05 0.05
Webs			
N -O	0.09	556 C	
N -G	0.29	1479 T	
O -G	0.06	351 T	
P -F	0.17	647 C	
F -Q	0.18	1012 T	
Q -M	0.34	972 C	
M -B	0.02	143 T	
M -R	0.43	1094 T	
L -R	0.88	1139 C	
L -C	0.65	1312 T	
E -C	0.68	2298 C	1 Br
C -J	0.37	986 T	1 Br
J -T	0.19	332 C	
J -U	0.37	639 T	
I -U	0.03	245 T	

TL Defl -0.23" in E -J L/892
LL Defl -0.12" in E -J L/999

Hz Disp	LL	DL	TL
Jt E	0.06"	0.09"	0.15"

Shear // Grain in B -R 0.30

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	4.0x 6.0	Ctr	0.1	0.39
O	MT20	3.0x 7.0	Ctr	Ctr	0.24
P	MT20	6.0x 6.0	Ctr	Ctr	0.43
Q	MT20	3.0x 7.0	Ctr	Ctr	0.52
B	MT20	5.0x 5.0	0.3	-3.2	0.35
R	MT20	3.0x 7.0	Ctr	Ctr	0.49
C	MT20	5.0x 9.0	-0.8	-3.5	0.95
T	MT20	2.0x 4.0	Ctr	Ctr	0.34
U	MT20	5.0x 7.0	0.2	0.5	0.38
D	MT20	4.0x 6.0	Ctr	0.1	0.36
N	MT20	3.0x 7.0	Ctr	Ctr	0.62
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	6.0x 8.0	Ctr	0.9	0.41
F	MT20	5.0x 7.0	Ctr	-1.1	0.42
M	MT20	4.0x 8.0	Ctr	Ctr	0.53
L	MT20	3.0x 7.0	Ctr	Ctr	0.81
E	MT20	5.0x 7.0	0.4	2.9	0.64
J	MT20	5.0x 9.0	-1.0	-0.5	0.59
I	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29- 8- 8 47- 8- 0
Max comp. force 2298 Lbs
Max tens. force 1733 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.



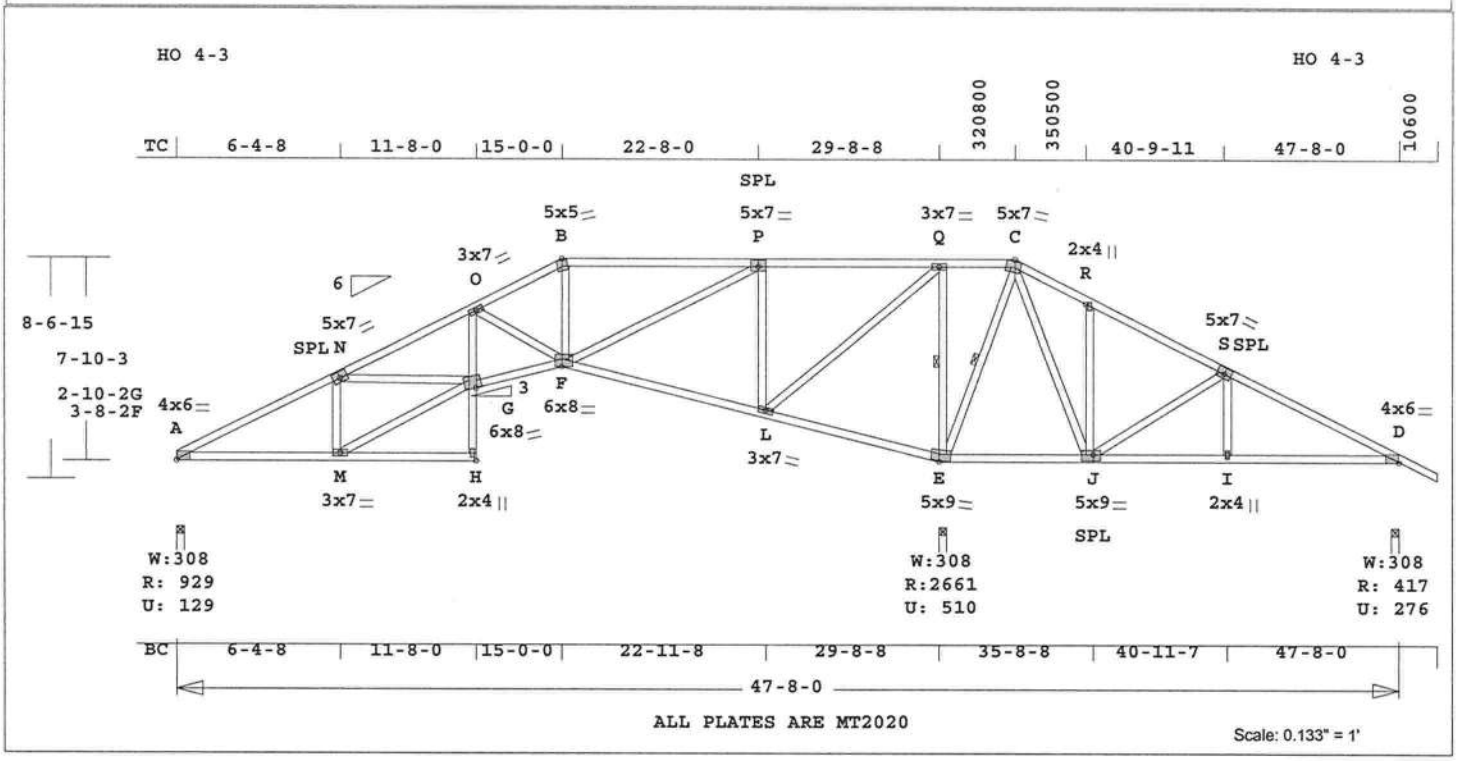
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A10	1	SP	470800	6	0	1- 6- 0	T3734654

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 356.0 LBS

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Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

     CSI -Size- ----Lumber----
TC  0.62  2x 4  SP-#2
BC  0.83  2x 4  SP-#2
CW  0.14  2x 4  SP-#2
WB  0.83  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 47- 8- 0
 BC  Cont.     0- 0- 0 47- 8- 0
One Continuous Lateral Brace
  E -Q    E -C
Attach CLB with (2)-10d nails
  at each web.

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   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    930   129 U   168 R
E   2661   511 U
D    418   276 U   167 R

Jt   Brg Size   Required
A       3.5"       1.5"
E       3.5"       2.8"
D       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  0.35  1534 C  0.09  0.26
N -O  0.35  1974 C  0.09  0.26
O -B  0.25  1440 C  0.01  0.24
B -P  0.62  1298 C  0.01  0.61
P -Q  0.61   207 T  0.00  0.61
Q -C  0.46   990 T  0.16  0.30
C -R  0.25   460 T  0.06  0.19
R -S  0.45   411 T  0.03  0.42
S -D  0.42   698 T  0.00  0.42
--------Bottom Chords---------
A -M  0.35  1377 T  0.23  0.12
M -H  0.20    25 T  0.00  0.20
G -F  0.55  1824 T  0.30  0.25
F -L  0.31   225 T  0.01  0.30
L -E  0.83  1019 C  0.01  0.82
E -J  0.72   597 C  0.00  0.72
J -I  0.40   543 C  0.02  0.38
I -D  0.24   543 C  0.02  0.22
----------Chord-Webs----------
H -G  0.14    81 T  0.00  0.14
G -O  0.04   289 T  0.04  0.00
------------Webs-------------
M -N  0.09   582 C
M -G  0.32  1531 T
N -G  0.07   379 T
O -F  0.13   520 C
F -B  0.05   358 T
F -P  0.52  1325 T
L -P  0.56  1076 C
L -Q  0.58  1403 T
E -Q  0.30  1255 C        1 Br
E -C  0.28  1094 C        1 Br
C -J  0.83   845 C
J -R  0.11   241 T
J -S  0.33   627 T
I -S  0.03   241 T

TL Defl  -0.29" in E -J  L/720
LL Defl  -0.14" in F -L  L/999
Hz Disp    LL      DL      TL
  Jt E   0.07"   0.10"   0.17"
Shear // Grain  in B -P   0.34

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  4.0x 6.0 Ctr 0.1  0.40
N  MT20  5.0x 7.0-0.2 0.5  0.38
O  MT20  3.0x 7.0 Ctr Ctr  0.25
B  MT20  5.0x 5.0 0.3-3.2  0.35
P  MT20  5.0x 7.0 Ctr 0.5  0.42
Q  MT20  3.0x 7.0 Ctr Ctr  0.63
C  MT20  5.0x 7.0-0.8-3.2  0.50
R  MT20  2.0x 4.0 Ctr Ctr  0.34
S  MT20  5.0x 7.0 0.2 0.5  0.38
D  MT20  4.0x 6.0 Ctr 0.1  0.36
M  MT20  3.0x 7.0 Ctr Ctr  0.64
H  MT20  2.0x 4.0 Ctr Ctr  0.58
G  MT20  6.0x 8.0 Ctr 0.9  0.43
F  MT20  6.0x 8.0 1.0-0.6  0.77
L  MT20  3.0x 7.0 Ctr Ctr  0.76
E  MT20  5.0x 9.0 0.9 3.0  0.63
J  MT20  5.0x 9.0-1.0-0.5  0.52
I  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.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
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:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:         5.0 psf
  BC Dead Load:         5.0 psf
User-defined wind-exposed BC
  regions  --From--    ---To---
           29- 8- 8    47- 8- 0
Max comp. force     1974 Lbs
Max tens. force     1824 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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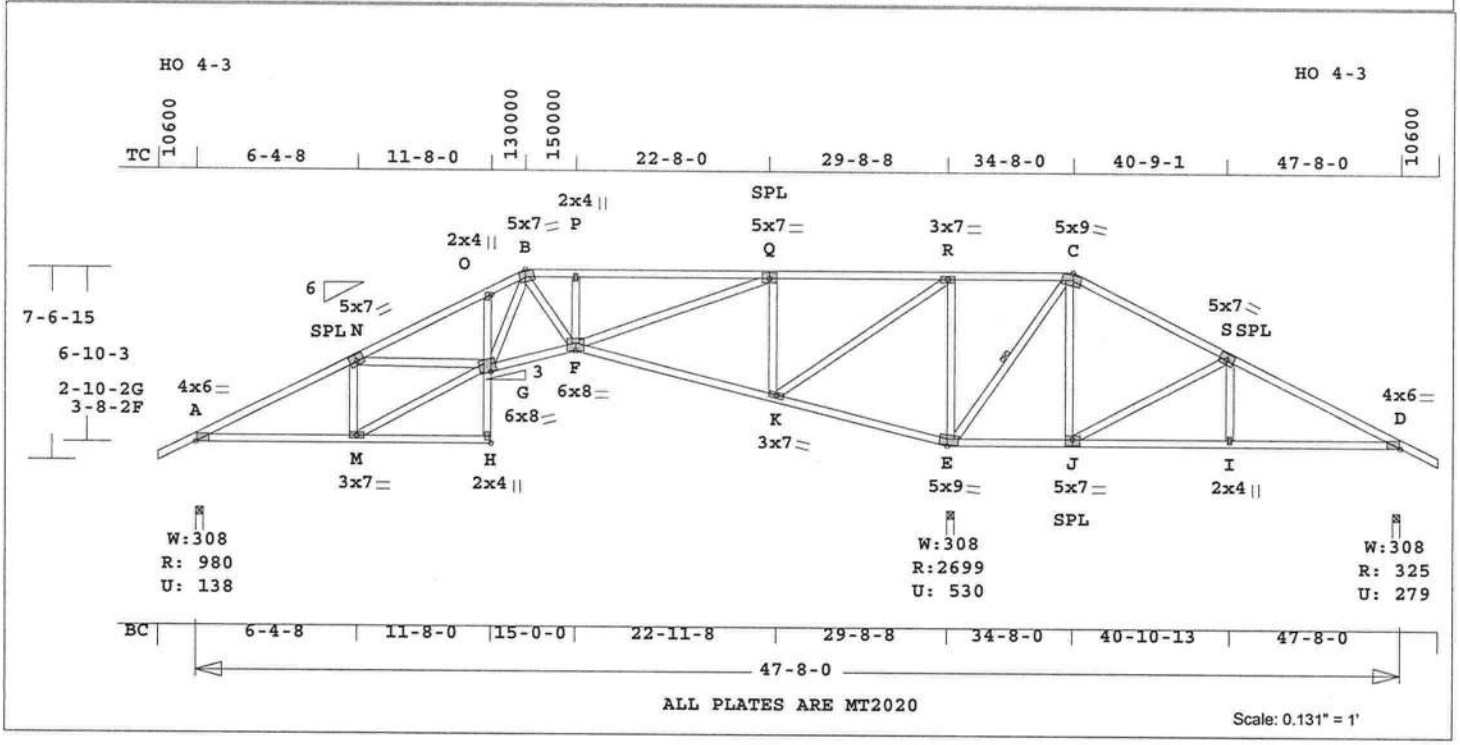
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A11	1	SP	470800	6	1- 6- 0	1- 6- 0	T3734655

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 344.4 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.58	2x 4	SP-#2
BC	0.76	2x 4	SP-#2
CW	0.13	2x 4	SP-#2
WB	0.80	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	981	139 U	146 R
E	2699	531 U	
D	325	280 U	145 R

Jt	Brg Size	Required
A	3.5"	1.5"
E	3.5"	2.9"
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 -N	0.33	1430	C	0.08	0.25
N -O	0.33	1785	C	0.02	0.31
O -B	0.24	1804	C	0.11	0.13
B -P	0.39	1585	C	0.01	0.38
P -Q	0.58	1584	C	0.01	0.57
Q -R	0.58	116	T	0.01	0.57
R -C	0.55	1355	T	0.22	0.33
C -S	0.56	611	T	0.08	0.48
S -D	0.49	668	T	0.01	0.48
Bottom Chords					
A -M	0.33	1285	T	0.13	0.20
M -H	0.20	23	T	0.00	0.20
G -F	0.55	1409	T	0.23	0.32
F -K	0.31	305	T	0.00	0.31
K -E	0.76	1389	C	0.04	0.72
E -J	0.69	568	C	0.00	0.69
J -I	0.26	520	C	0.00	0.26
I -D	0.25	520	C	0.00	0.25
Chord-Webs					
H -G	0.13	81	T	0.00	0.13
G -O	0.05	297	T	0.04	0.01
Webs					
M -N	0.09	534	C		
M -G	0.30	1428	T		
N -G	0.05	305	T		
G -B	0.11	608	T		
B -F	0.06	373	T		
F -P	0.05	378	C		
F -Q	0.64	1768	T		
K -Q	0.38	1061	C		
K -R	0.53	1518	T		
E -R	0.80	1221	C		
E -C	0.35	1344	C		1 Br
J -C	0.37	570	C		
J -S	0.50	705	T		
I -S	0.04	276	T		

TL Defl -0.47" in F -K L/743
LL Defl -0.18" in F -K L/999

Hz Disp	LL	DL	TL
Jt E	0.07"	0.10"	0.18"

Shear // Grain in P -Q 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	4.0x 6.0	Ctr	0.1	0.38
N	MT20	5.0x 7.0	-0.2	0.5	0.38
O	MT20	2.0x 4.0	Ctr	Ctr	0.28
B	MT20	5.0x 7.0	0.8	-3.2	0.46
P	MT20	2.0x 4.0	Ctr	Ctr	0.34
Q	MT20	5.0x 7.0	Ctr	0.5	0.55
R	MT20	3.0x 7.0	Ctr	Ctr	0.65
C	MT20	5.0x 9.0	-0.8	-3.5	0.67
S	MT20	5.0x 7.0	0.2	0.5	0.38
D	MT20	4.0x 6.0	Ctr	0.1	0.36
M	MT20	3.0x 7.0	Ctr	Ctr	0.60
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	6.0x 8.0	Ctr	0.9	0.44
F	MT20	6.0x 8.0	Ctr	-0.6	0.67
K	MT20	3.0x 7.0	Ctr	Ctr	0.74
E	MT20	5.0x 9.0	0.9	3.0	0.69
J	MT20	5.0x 7.0	Ctr	-0.5	0.39
I	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29- 8- 8 47- 8- 0
Max comp. force 1804 Lbs
Max tens. force 1768 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.



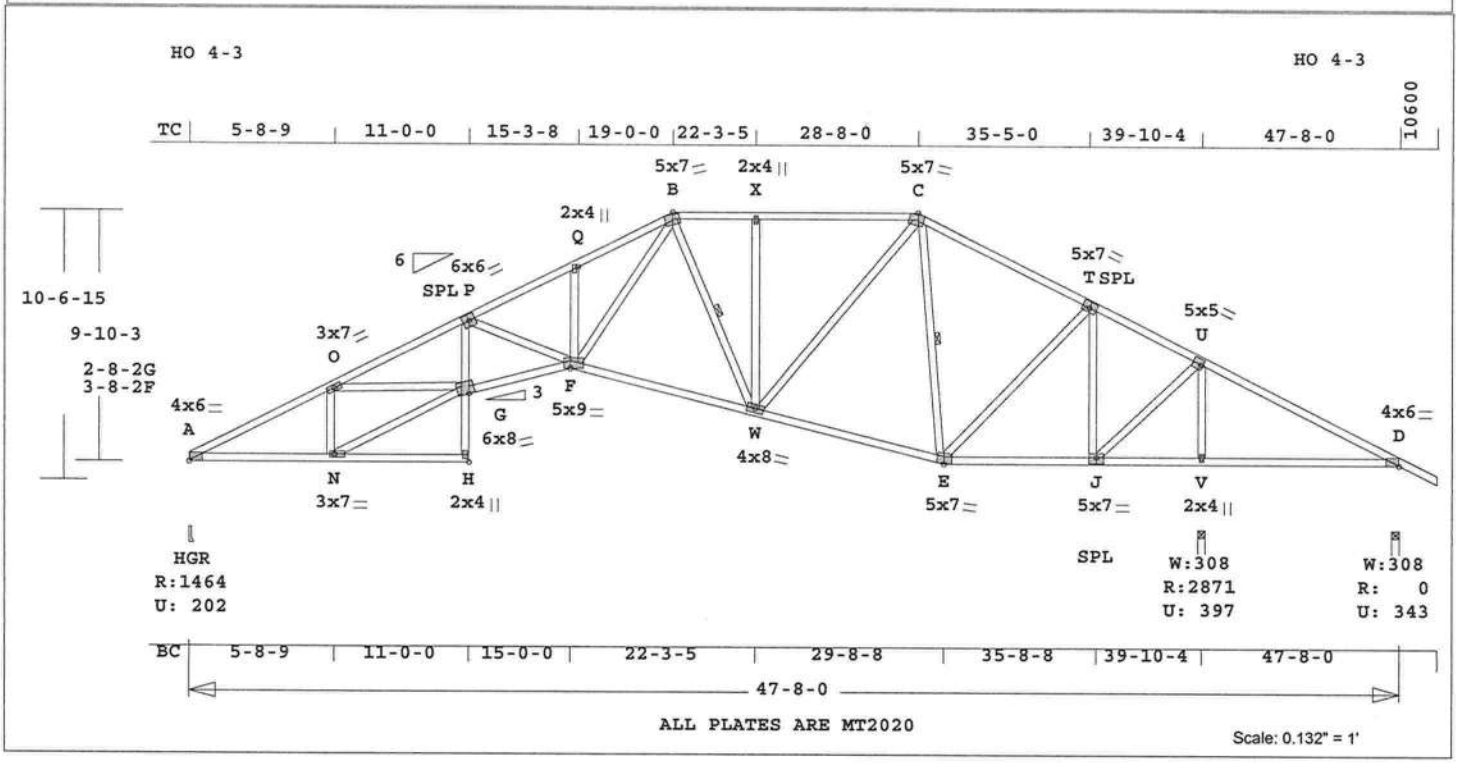
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	A12	1	SP	470800	6	0	1- 6- 0	T3734656

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 365.3 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.80	2x 4	SP-#2
BC	0.78	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.75	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1465	202 U	212 R
V	2872	398 U	
D		343 G	211 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.7"
V	3.5"	3.1"
D	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 -O	0.35	2709 C	0.15	0.20
O -P	0.49	4348 C	0.23	0.26
P -Q	0.33	3688 C	0.20	0.13
Q -B	0.46	3652 C	0.09	0.37
B -X	0.27	1665 C	0.01	0.26
X -C	0.46	1665 C	0.01	0.45
C -T	0.47	1009 C	0.01	0.46
T -U	0.53	335 T	0.00	0.53
U -D	0.80	1527 T	0.27	0.53
Bottom Chords				
A -N	0.48	2421 T	0.40	0.08
N -H	0.15	39 T	0.00	0.15
G -F	0.78	4032 T	0.67	0.11
F -W	0.52	1953 T	0.19	0.33
W -E	0.43	1001 T	0.10	0.33
E -J	0.23	237 T	0.03	0.20
J -V	0.38	1350 C	0.01	0.37
V -D	0.56	1350 C	0.04	0.52
Chord-Webs				
H -G	0.21	88 T	0.00	0.21
G -P	0.13	277 T	0.04	0.09
Webs				
N -O	0.15	1091 C		
N -G	0.56	2663 T		
O -G	0.27	1468 T		
P -F	0.21	659 C		
F -Q	0.04	240 T		
F -B	0.73	2418 T		
B -W	0.16	577 C		1 Br
W -X	0.32	350 C		
W -C	0.53	1060 T		
C -E	0.27	761 C		1 Br
E -T	0.22	928 T		
J -T	0.75	1311 C		
J -U	0.39	2158 T		
V -U	0.66	2667 C		

TL Defl -0.21" in V -D L/414
LL Defl -0.09" in V -D L/999

Hz Disp	LL	DL	TL
Jt V	0.15"	0.21"	0.36"

Shear // Grain in U -D 0.30

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	4.0x 6.0	Ctr	0.1	0.72
O	MT20	3.0x 7.0	Ctr	Ctr	0.55
P	MT20	6.0x 6.0	Ctr	Ctr	0.49
Q	MT20	2.0x 4.0	Ctr	Ctr	0.30
B	MT20	5.0x 7.0	-0.2	-3.7	0.93
X	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 7.0	-0.8	-3.2	0.51
T	MT20	5.0x 7.0	0.2	0.5	0.45
U	MT20	5.0x 5.0	Ctr	Ctr	0.87
D	MT20	4.0x 6.0	Ctr	0.1	0.40
N	MT20	3.0x 7.0	1.5	Ctr	0.84
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	6.0x 8.0	Ctr	0.9	0.94
F	MT20	5.0x 9.0	1.5	-1.1	0.96
W	MT20	4.0x 8.0	Ctr	Ctr	0.53
E	MT20	5.0x 7.0	0.4	2.9	0.40
J	MT20	5.0x 7.0	Ctr	-0.5	0.75
V	MT20	2.0x 4.0	Ctr	Ctr	0.91

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
39-10- 4	47- 8- 0

Max comp. force 4348 Lbs
Max tens. force 4032 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.



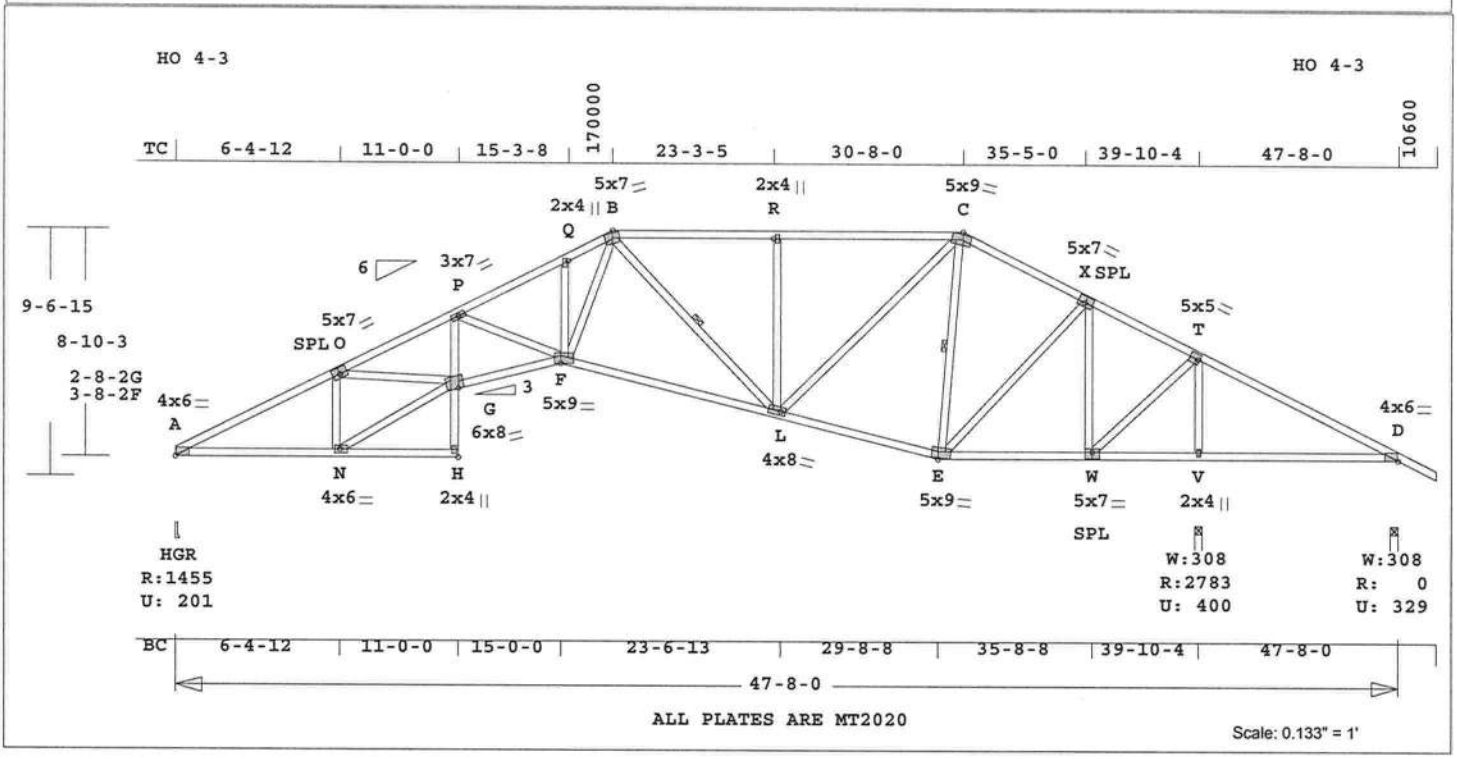
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A13	1	SP	470800	6	0	1- 6- 0	T3734657

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.133" = 1'

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.83	2x 4	SP-#2
BC	0.76	2x 4	SP-#2
CW	0.19	2x 4	SP-#2
WB	0.75	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	1456	202 U	189 R
V	2783	400 U	
D		330 G	189 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.7"
V	3.5"	3.0"
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 -O	0.36	2645 C	0.15	0.21
O -P	0.43	4309 C	0.22	0.21
P -Q	0.36	3633 C	0.12	0.24
Q -B	0.58	3544 C	0.08	0.50
B -R	0.54	1766 C	0.01	0.53
R -C	0.54	1766 C	0.01	0.53
C -X	0.29	978 C	0.08	0.21
X -T	0.57	333 T	0.00	0.57
T -D	0.83	1493 T	0.26	0.57
Bottom Chords				
A -N	0.48	2363 T	0.39	0.09
N -H	0.14	34 T	0.00	0.14
G -F	0.76	3989 T	0.66	0.10
F -L	0.60	2502 T	0.42	0.18
L -E	0.44	851 T	0.09	0.35
E -W	0.19	189 T	0.01	0.18
W -V	0.39	1319 C	0.01	0.38
V -D	0.54	1319 C	0.04	0.50
Chord-Webs				
H -G	0.19	71 T	0.00	0.19
G -P	0.13	286 T	0.04	0.09
Webs				
N -O	0.21	1226 C		
N -G	0.49	2685 T		
O -G	0.27	1495 T		
P -F	0.21	670 C		
F -Q	0.02	170 T		
F -B	0.38	2101 T		
B -L	0.34	961 C		1 Br
L -R	0.35	468 C		
L -C	0.68	1311 T		
E -C	0.24	832 C		1 Br
E -X	0.27	1011 T		
W -X	0.75	1301 C		
W -T	0.37	2032 T		
V -T	0.64	2571 C		

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 357.6 LBS

	Defl	in		L/
TL Defl	-0.21"	in V	-D	L/427
LL Defl	-0.08"	in V	-D	L/999

Hz Disp	LL	DL	TL
Jt V	0.14"	0.21"	0.36"

Shear // Grain in B -R 0.31

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	4.0x 6.0	Ctr	0.1	0.70
O	MT20	5.0x 7.0	-0.2	0.5	0.45
P	MT20	3.0x 7.0	Ctr	Ctr	0.24
Q	MT20	2.0x 4.0	Ctr	Ctr	0.31
B	MT20	5.0x 7.0	-0.2	-3.7	0.96
R	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 9.0	-0.8	-3.5	0.94
X	MT20	5.0x 7.0	0.2	0.5	0.50
T	MT20	5.0x 5.0	Ctr	Ctr	0.84
D	MT20	4.0x 6.0	Ctr	0.1	0.39
N	MT20	4.0x 6.0	0.5	Ctr	0.88
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	6.0x 8.0	Ctr	0.9	0.93
F	MT20	5.0x 9.0	1.5	-1.1	0.94
L	MT20	4.0x 8.0	Ctr	Ctr	0.64
E	MT20	5.0x 9.0	1.4	3.0	0.59
W	MT20	5.0x 7.0	Ctr	-0.5	0.71
V	MT20	2.0x 4.0	Ctr	Ctr	0.90

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
39-10- 4 47- 8- 0
Max comp. force 4309 Lbs
Max tens. force 3989 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.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

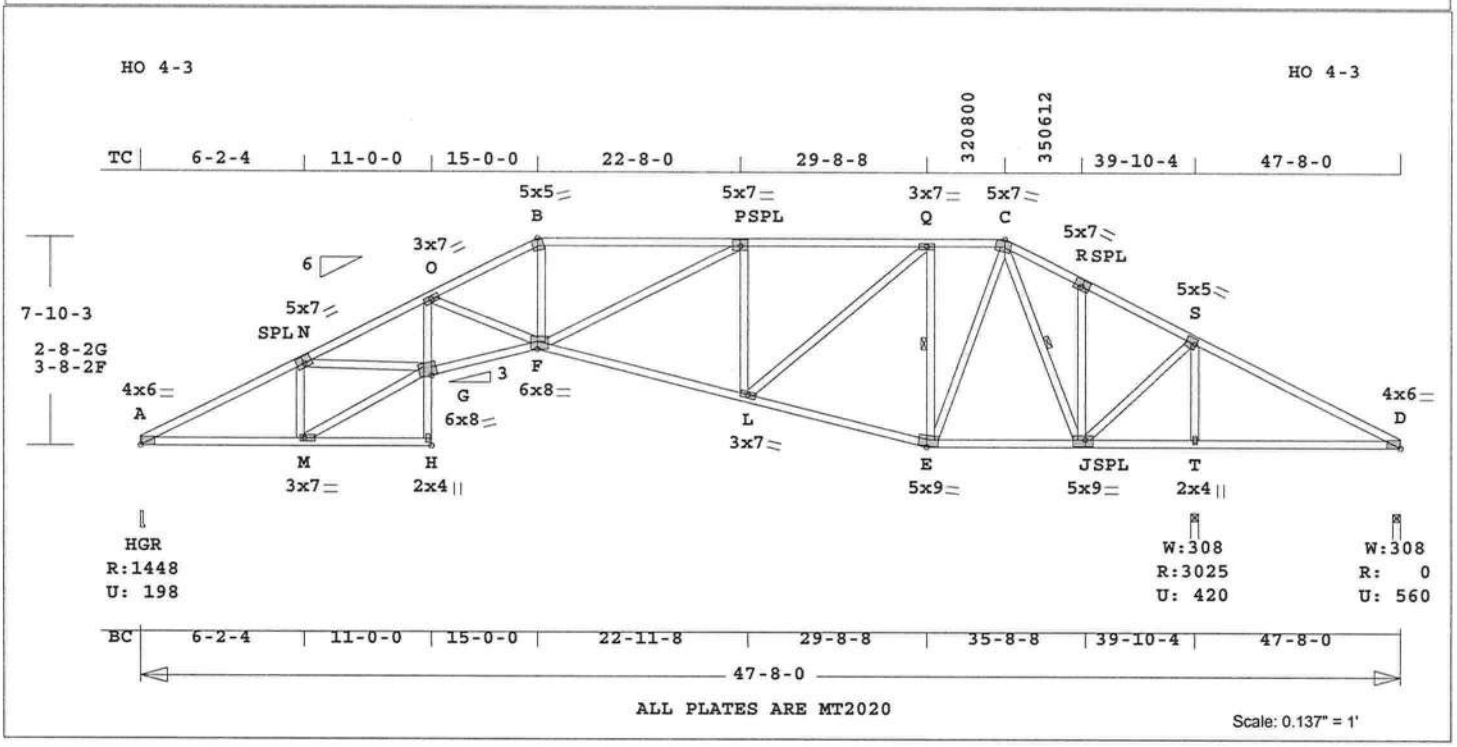
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A14	1	SP	470800	6	0	0	T3734658

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 351.1 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.90	2x 4	SP-#2
BC	0.76	2x 4	SP-#2
CW	0.19	2x 4	SP-#2
WB	0.70	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	1448	199 U	167 R
T	3025	420 U	
D		561 G	166 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.7"
T	3.5"	3.2"
D	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	0.36	2646 C	0.14 0.22
N -O	0.44	4257 C	0.19 0.25
O -B	0.47	3655 C	0.09 0.38
B -P	0.90	3288 C	0.22 0.68
P -Q	0.64	2134 C	0.02 0.62
Q -C	0.24	989 C	0.00 0.24
C -R	0.21	385 T	0.00 0.21
R -S	0.59	277 T	0.00 0.59
S -D	0.90	1779 T	0.31 0.59
Bottom Chords			
A -M	0.46	2366 T	0.39 0.07
M -H	0.14	35 T	0.00 0.14
G -F	0.76	3936 T	0.66 0.10
F -L	0.54	2198 T	0.21 0.33
L -E	0.43	1034 T	0.10 0.33
E -J	0.38	562 T	0.09 0.29
J -T	0.39	1573 C	0.01 0.38
T -D	0.61	1573 C	0.05 0.56
Chord-Webs			
H -G	0.19	77 T	0.00 0.19
G -O	0.13	296 T	0.04 0.09
Webs			
M -N	0.19	1174 C	
M -G	0.49	2659 T	
N -G	0.26	1436 T	
O -F	0.18	562 C	
F -B	0.23	1262 T	
F -P	0.50	1282 T	
L -P	0.56	1069 C	
L -Q	0.63	1467 T	
E -Q	0.28	1190 C	1 Br
E -C	0.40	1187 T	
C -J	0.34	1286 C	1 Br
J -R	0.11	206 T	
J -S	0.41	2256 T	
T -S	0.70	2820 C	

TL Defl -0.22" in T -D L/402
LL Defl -0.09" in T -D L/977

Hz Disp	LL	DL	TL
Jt T	0.15"	0.21"	0.36"

Shear // Grain in B -P 0.34

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	4.0x 6.0	Ctr	0.1	0.70
N	MT20	5.0x 7.0	-0.2	0.5	0.44
O	MT20	3.0x 7.0	Ctr	Ctr	0.24
B	MT20	5.0x 5.0	0.3	-3.2	0.60
P	MT20	5.0x 7.0	Ctr	0.5	0.40
Q	MT20	3.0x 7.0	Ctr	Ctr	0.66
C	MT20	5.0x 7.0	-0.8	-3.2	0.62
R	MT20	5.0x 7.0	0.2	0.5	0.38
S	MT20	5.0x 5.0	Ctr	Ctr	0.92
D	MT20	4.0x 6.0	Ctr	0.1	0.47
M	MT20	3.0x 7.0	1.5	Ctr	0.87
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	6.0x 8.0	Ctr	0.9	0.92
F	MT20	6.0x 8.0	1.0	-0.6	0.86
L	MT20	3.0x 7.0	Ctr	Ctr	0.79
E	MT20	5.0x 9.0	0.9	3.0	0.92
J	MT20	5.0x 9.0	-1.0	-0.5	0.78
T	MT20	2.0x 4.0	Ctr	Ctr	0.94

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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
39-10- 4 47- 8- 0
Max comp. force 4257 Lbs
Max tens. force 3936 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.



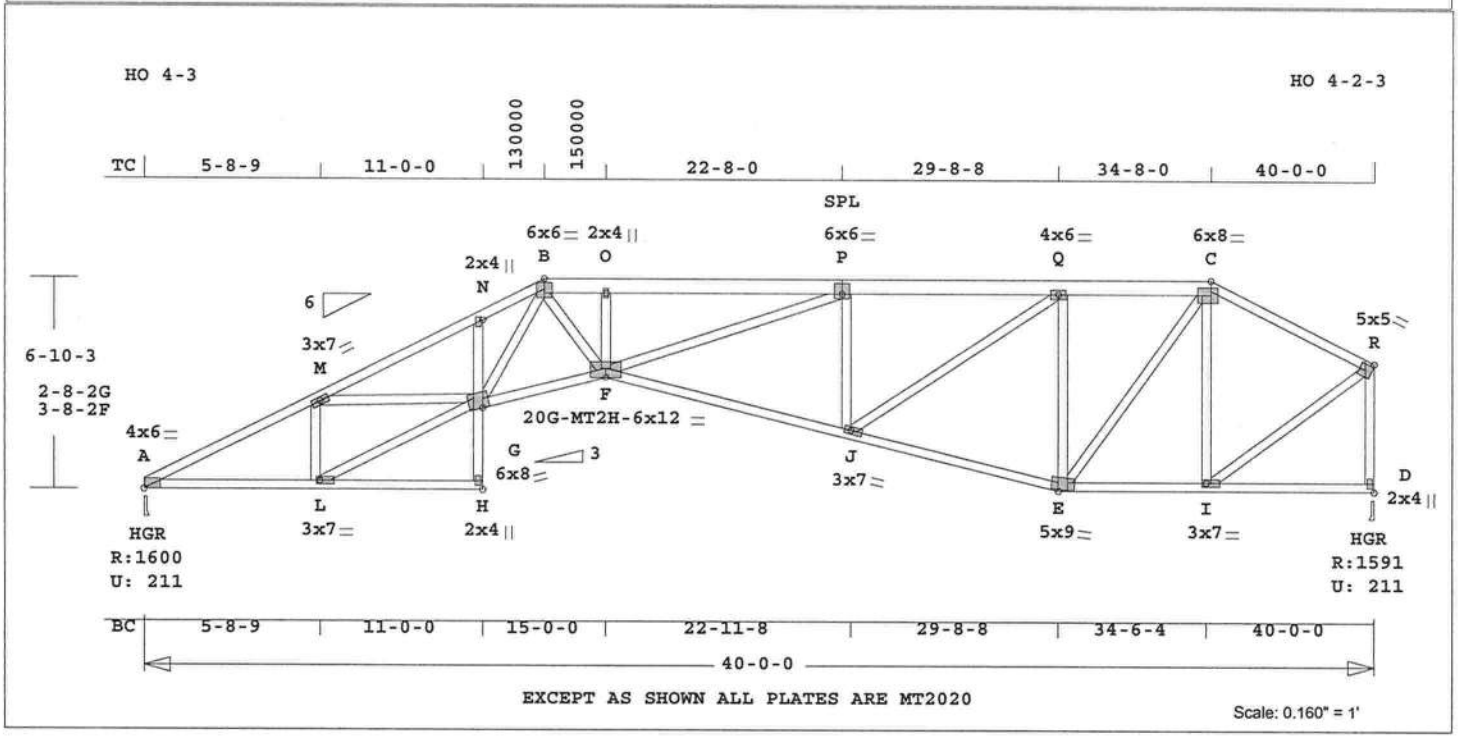
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A15	1	SP	400000	6	0	0	T3734659

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 325.1 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.64	2x 4	SP-#2
--	0.43	2x 6	SP-#2
	B -P	P -C	
BC	0.86	2x 4	SP-#2
CW	0.24	2x 4	SP-#2
WB	0.90	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	40- 0- 0
BC	Cont.	0- 0- 0	40- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	1600	212 U	118 R
D	1591	212 U	194 R

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

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 -M	0.36	3000 C	0.15	0.21
M -N	0.64	4901 C	0.30	0.34
N -B	0.38	4917 C	0.28	0.10
B -O	0.24	5409 C	0.20	0.04
O -P	0.43	5408 C	0.12	0.31
P -Q	0.31	3346 C	0.03	0.28
Q -C	0.14	1841 C	0.08	0.06
C -R	0.37	1264 C	0.07	0.30
Bottom Chords				
A -L	0.56	2681 T	0.45	0.11
L -H	0.15	44 T	0.00	0.15
G -F	0.86	4226 T	0.71	0.15
F -J	0.77	3446 T	0.57	0.20
J -E	0.56	1919 T	0.20	0.36
E -I	0.31	1146 T	0.19	0.12
I -D	0.18	142 T	0.00	0.18
Chord-Webs				
H -G	0.24	89 T	0.00	0.24
G -N	0.10	269 T	0.00	0.10
Webs				
L -M	0.17	1225 C		
L -G	0.64	2948 T		
M -G	0.31	1698 T		
G -B	0.12	595 T		
B -F	0.37	2048 T		
F -O	0.03	261 C		
F -P	0.85	2177 T		
J -P	0.40	1208 C		
J -Q	0.68	1791 T		
E -Q	0.90	1328 C		
E -C	0.41	1185 T		
I -C	0.44	709 C		
I -R	0.31	1413 T		
D -R	0.43	1547 C		WindLd

TL Defl -0.98" in F -J L/481
LL Defl -0.38" in F -J L/999

Hz Disp	LL	DL	TL
Jt D	0.20"	0.29"	0.49"

Shear // Grain in O -P 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	4.0x 6.0	Ctr	0.1	0.79
M	MT20	3.0x 7.0	Ctr	Ctr	0.64
N	MT20	2.0x 4.0	Ctr	Ctr	0.28
B	MT20	6.0x 6.0	Ctr	-0.6	0.87
O	MT20	2.0x 4.0	Ctr	Ctr	0.34
P	MT20	6.0x 6.0	Ctr	1.2	0.89
Q	MT20	4.0x 6.0	Ctr	Ctr	0.67
C	MT20	6.0x 8.0	0.5	Ctr	0.61
R	MT20	5.0x 5.0	Ctr	Ctr	0.87
L	MT20	3.0x 7.0	2.0	Ctr	0.88
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	6.0x 8.0	Ctr	0.9	0.99
F	MT2H	6.0x12.0	Ctr	-0.6	0.71
J	MT20	3.0x 7.0	1.0	-0.2	0.87
E	MT20	5.0x 9.0	0.2	1.3	0.63
I	MT20	3.0x 7.0	Ctr	Ctr	0.62
D	MT20	2.0x 4.0	Ctr	Ctr	0.55

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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
Run vertical thru bottom chord Joint E
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 5409 Lbs
Max tens. force 4226 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.



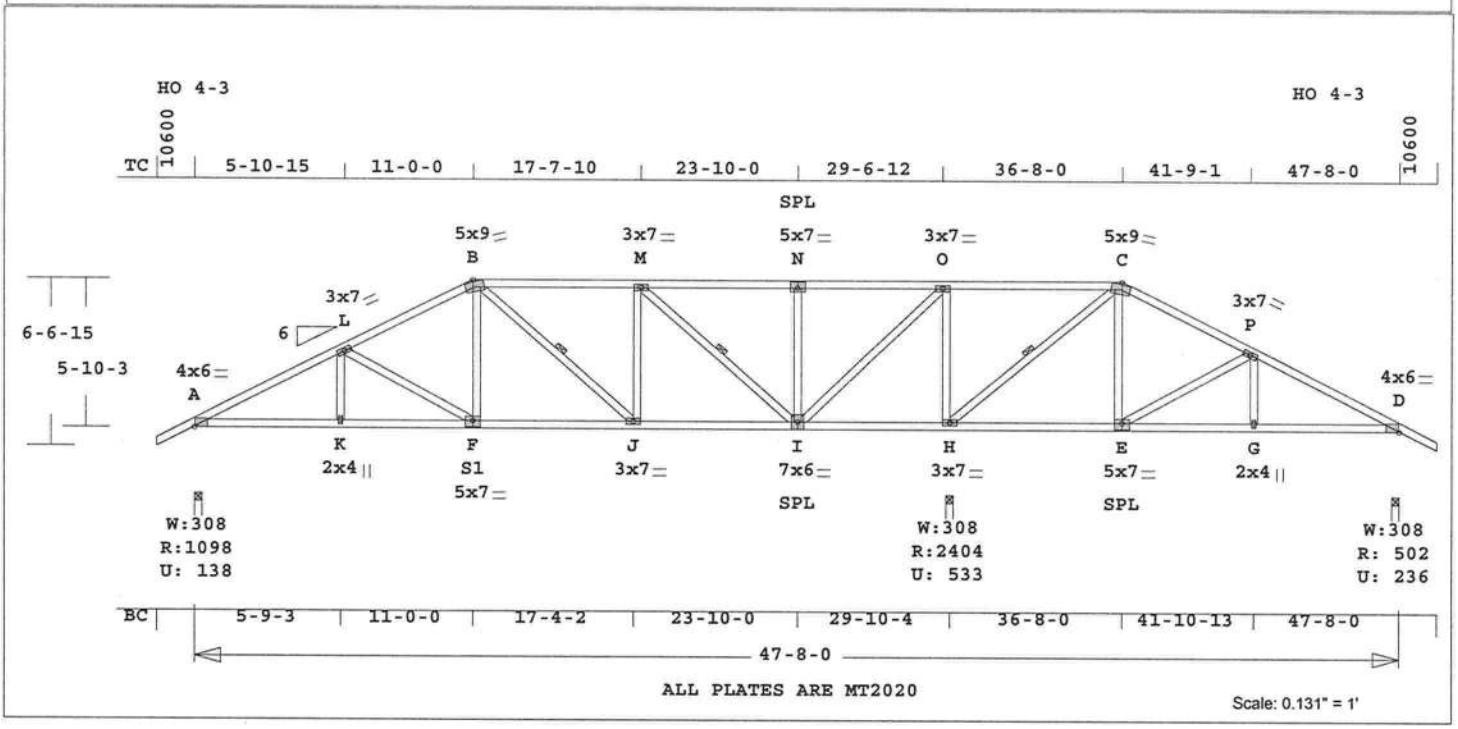
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May 6,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	A16	1	HIPP	470800	6	1- 6- 0	1- 6- 0	T3734660

GRAND HEATHER-LEFT HAND



Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.64	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
WB	0.72	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
B -J M -I H -C
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	1099	138 U	122 R
H	2404	533 U	
D	502	237 U	121 R

Jt	Brg Size	Required
A	3.5"	1.5"
H	3.5"	2.6"
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 -L	0.32	1700 C	0.09	0.23
L -B	0.30	1248 C	0.07	0.23
B -M	0.43	981 C	0.00	0.43
M -N	0.43	218 C	0.00	0.43
N -O	0.48	218 C	0.00	0.48
O -C	0.64	955 T	0.16	0.48
C -P	0.27	361 T	0.00	0.27
P -D	0.32	740 T	0.09	0.23
Bottom Chords				
A -K	0.33	1522 T	0.25	0.08
K -S1	0.34	1522 T	0.25	0.09
S1-J	0.33	1110 T	0.11	0.22
J -I	0.32	981 T	0.10	0.22
I -H	0.25	955 C	0.00	0.25
H -E	0.25	226 C	0.00	0.25
E -G	0.23	593 C	0.04	0.19
G -D	0.20	593 C	0.04	0.16
Webs				

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 334.1 LBS

K -L	0.03	213 T		
L -S1	0.25	461 C		
S1-B	0.06	395 T		
B -J	0.04	172 T	1 Br	
J -M	0.05	354 T		
M -I	0.29	1014 C	1 Br	
I -N	0.15	332 C		
I -O	0.60	1616 T		
H -O	0.72	1543 C		
H -C	0.35	1147 C	1 Br	
E -C	0.21	467 C		
E -P	0.28	571 T		
G -P	0.03	228 T		

TL Defl -0.17" in S1-J L/999
LL Defl -0.06" in K -S1 L/999
Shear // Grain in O -C 0.30

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	4.0x 6.0	Ctr	0.1	0.45
L	MT20	3.0x 7.0	Ctr	Ctr	0.24
B	MT20	5.0x 9.0	0.8	-3.5	0.43
M	MT20	3.0x 7.0	Ctr	Ctr	0.38
N	MT20	5.0x 7.0	Ctr	0.5	0.39
O	MT20	3.0x 7.0	Ctr	Ctr	0.77
C	MT20	5.0x 9.0	-0.8	-3.5	0.65
P	MT20	3.0x 7.0	Ctr	Ctr	0.24
D	MT20	4.0x 6.0	Ctr	0.1	0.36
K	MT20	2.0x 4.0	Ctr	Ctr	0.34
S1	MT20	5.0x 7.0	Ctr	-0.5	0.39
J	MT20	3.0x 7.0	Ctr	Ctr	0.23
I	MT20	7.0x 6.0	Ctr	Ctr	0.99
H	MT20	3.0x 7.0	Ctr	Ctr	0.43
E	MT20	5.0x 7.0	Ctr	-0.5	0.39
G	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29-10- 4 47- 8- 0
Max comp. force 1700 Lbs
Max tens. force 1616 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.



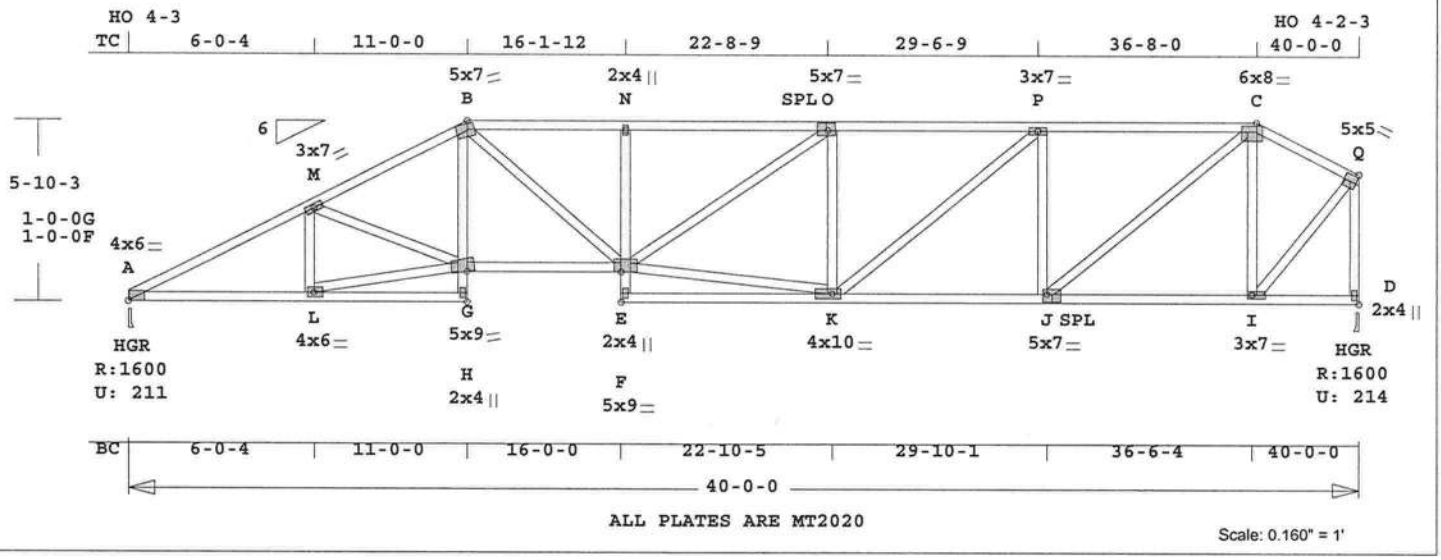
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A17	1	SP	400000	6	0	0	T3734661

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 315.2 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.53	2x 4	SP-#2
BC	0.61	2x 4	SP-#2
CW	0.25	2x 4	SP-#2
WB	0.71	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	40- 0- 0
BC	Cont.	0- 0- 0	40- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	1600	212 U	97 R
D	1600	215 U	173 R

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

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 -M	0.39	2982 C	0.16	0.23
M -B	0.42	3105 C	0.10	0.32
B -N	0.42	3351 C	0.07	0.35
N -O	0.53	3334 C	0.16	0.37
O -P	0.48	2836 C	0.05	0.43
P -C	0.44	2214 C	0.03	0.41
C -Q	0.19	984 C	0.06	0.13
Bottom Chords				
A -L	0.54	2667 T	0.44	0.10
L -H	0.13	45 T	0.00	0.13
G -F	0.61	2764 T	0.46	0.15
E -K	0.28	116 T	0.00	0.28
K -J	0.53	2214 T	0.37	0.16
J -I	0.32	899 T	0.09	0.23
I -D	0.19	121 T	0.00	0.19
Chord-Webs				
H -G	0.09	83 T	0.00	0.09
G -B	0.25	599 T	0.11	0.14
E -F	0.25	107 T	0.01	0.24
F -N	0.18	326 C	0.01	0.17
Webs				
L -M	0.06	430 C		
L -G	0.49	2674 T		
M -G	0.01	125 T		
B -F	0.18	764 T		
F -O	0.25	600 T		
F -K	0.62	2750 T		
K -O	0.35	761 C		
K -P	0.36	802 T		
J -P	0.43	917 C		
J -C	0.71	1684 T		
I -C	0.43	924 C		
I -Q	0.25	1366 T		
D -Q	0.39	1582 C		WindLd

TL Defl -0.60" in E -K L/791
LL Defl -0.23" in G -F L/999
Shear // Grain in N -O 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	4.0x 6.0	Ctr	0.1	0.79
M	MT20	3.0x 7.0	Ctr	Ctr	0.24
B	MT20	5.0x 7.0	-0.6	-3.9	0.63
N	MT20	2.0x 4.0	Ctr	Ctr	0.33
O	MT20	5.0x 7.0	Ctr	0.5	0.39
P	MT20	3.0x 7.0	Ctr	Ctr	0.36
C	MT20	6.0x 8.0	Ctr	-0.6	0.55
Q	MT20	5.0x 5.0	Ctr	Ctr	0.52
L	MT20	4.0x 6.0	2.2	0.1	0.85
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	5.0x 9.0	Ctr	0.5	0.62
F	MT20	5.0x 9.0	Ctr	0.8	0.65
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
K	MT20	4.0x10.0	-1.5	Ctr	0.89
J	MT20	5.0x 7.0	Ctr	-0.5	0.75
I	MT20	3.0x 7.0	Ctr	Ctr	0.74
D	MT20	2.0x 4.0	Ctr	Ctr	0.56

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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007

TPI 2002
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3351 Lbs
Max tens. force 2764 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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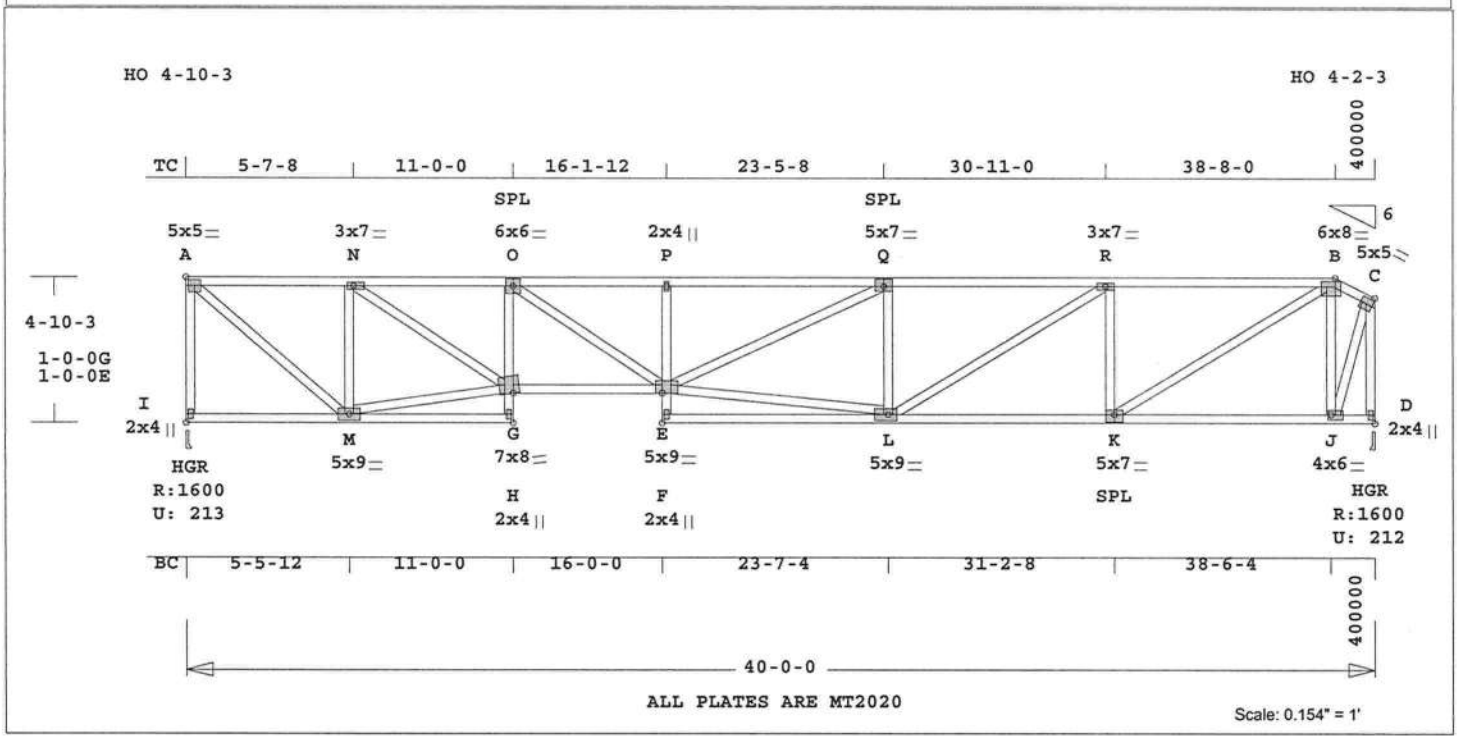
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May 6,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	A18	1	SP	400000	6	0	0	T3734662

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 327.4 LBS

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Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

     CSI -Size- ----Lumber----
TC  0.86  2x 4  SP-#2
BC  0.77  2x 4  SP-#2
CW  0.41  2x 4  SP-#2
WB  0.90  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0 40- 0- 0
 BC  Cont.    0- 0- 0 40- 0- 0

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   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-
I   1600   214 U   139 R
D   1600   212 U   126 R

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

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 -N  0.33  1661 C  0.01  0.32
N -O  0.40  3500 C  0.08  0.32
O -P  0.47  4300 C  0.12  0.35
P -Q  0.86  4264 C  0.31  0.55
Q -R  0.58  3430 C  0.07  0.51
R -B  0.52  2460 C  0.04  0.48
B -C  0.09   523 C  0.00  0.09
--------Bottom Chords---------
I -M  0.21   113 T  0.00  0.21
M -H  0.21    64 T  0.00  0.21
G -E  0.77  3526 T  0.59  0.18
F -L  0.36   196 T  0.01  0.35
L -K  0.60  2460 T  0.41  0.19
K -J  0.32   477 T  0.05  0.27
J -D  0.24    86 T  0.00  0.24
----------Chord-Webs----------
H -G  0.13    82 T  0.00  0.13
G -O  0.23   806 C  0.03  0.20
F -E  0.41   119 T  0.01  0.40
E -P  0.27   389 C  0.00  0.27
------------Webs-------------
I -A  0.49  1555 C WindLd
A -M  0.54  2185 T
M -N  0.50  1587 C
M -G  0.30  1624 T
N -G  0.44  2205 T
O -E  0.19   933 T
E -Q  0.30   924 T
E -L  0.85  3263 T
L -Q  0.27   860 C
L -R  0.42  1136 T
K -R  0.33  1038 C
K -B  0.90  2310 T
J -B  0.37  1182 C
J -C  0.25  1400 T
D -C  0.41  1640 C WindLd

TL Defl  -0.83" in F -L  L/571
LL Defl  -0.31" in G -E  L/999
Shear // Grain  in P -Q   0.30

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  5.0x 5.0 Ctr Ctr 0.80
N  MT20  3.0x 7.0 1.0 Ctr 0.81
O  MT20  6.0x 6.0 Ctr Ctr 0.49
P  MT20  2.0x 4.0 Ctr Ctr 0.33
Q  MT20  5.0x 7.0 Ctr 0.5 0.42
R  MT20  3.0x 7.0 Ctr Ctr 0.49
B  MT20  6.0x 8.0 Ctr-0.6 0.84
C  MT20  5.0x 5.0 Ctr Ctr 0.66
I  MT20  2.0x 4.0 Ctr Ctr 0.45
M  MT20  5.0x 9.0 Ctr Ctr 0.73
H  MT20  2.0x 4.0 Ctr Ctr 0.58
G  MT20  7.0x 8.0 Ctr 1.5 0.89
E  MT20  5.0x 9.0 Ctr 0.8 0.84
F  MT20  2.0x 4.0 Ctr Ctr 0.58
L  MT20  5.0x 9.0-1.0 Ctr 0.85
K  MT20  5.0x 7.0 Ctr-0.5 0.74
J  MT20  4.0x 6.0 Ctr Ctr 0.84
D  MT20  2.0x 4.0 Ctr Ctr 0.58

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:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
  TPI 2002
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:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:          5.0 psf
  BC Dead Load:          5.0 psf
Max comp. force     4300 Lbs
Max tens. force     3526 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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PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

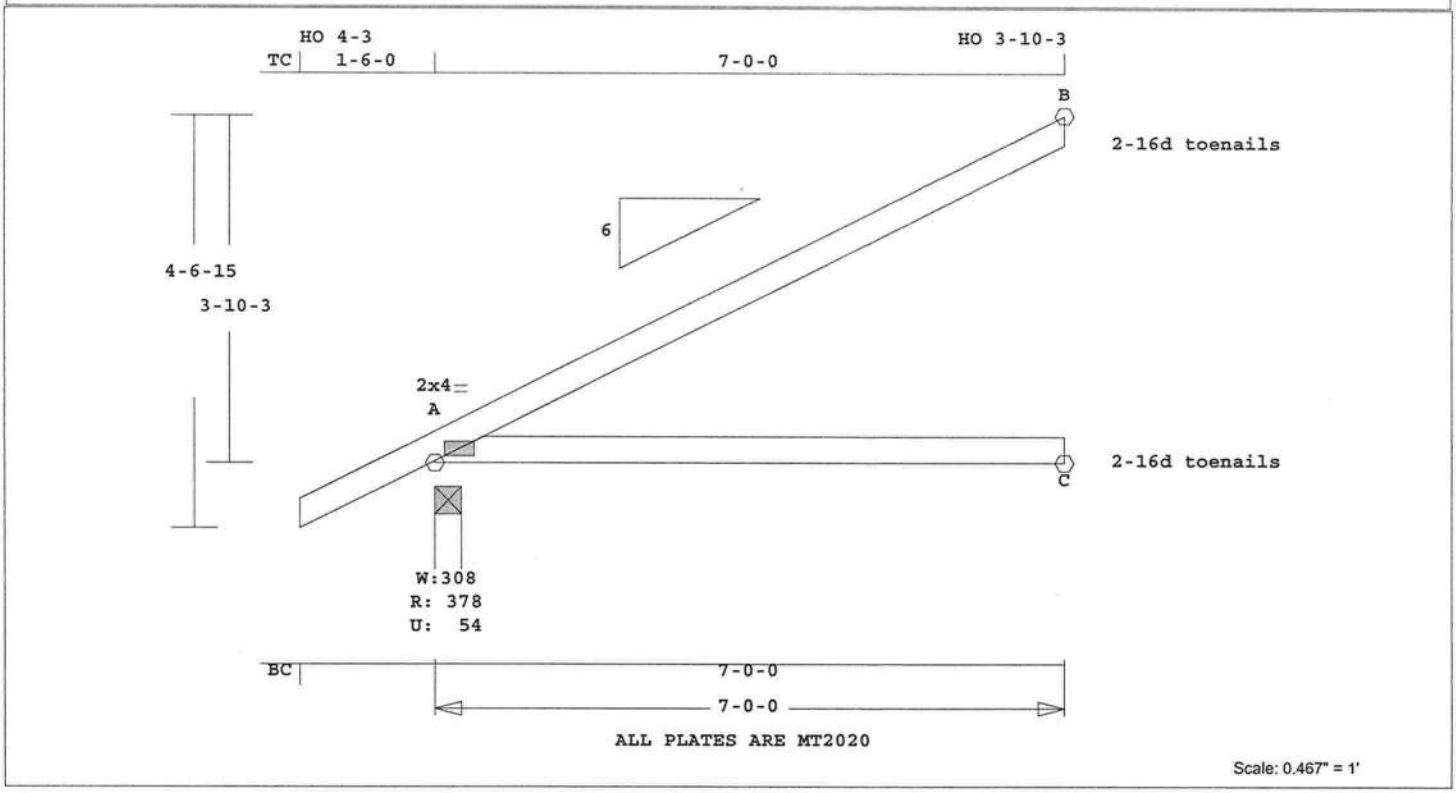
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	J1	31	JCA2	70000	6	1- 6- 0	0	T3734663

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 31.5 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.55	2x 4	SP-#2
BC	0.43	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	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	379	55 U	282 R
C	132		
B	188	82 U	72 R

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

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----------			
A -B	0.55	160 C	0.00 0.55
--------Bottom Chords---------			
A -C	0.43	0 T	0.00 0.43

TL Defl -0.19" in A -C L/411
LL Defl -0.07" in A -C L/999
Shear // Grain in A -B 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	2.0x 4.0	Ctr	Ctr	0.65

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 160 Lbs
Max tens. force 46 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.



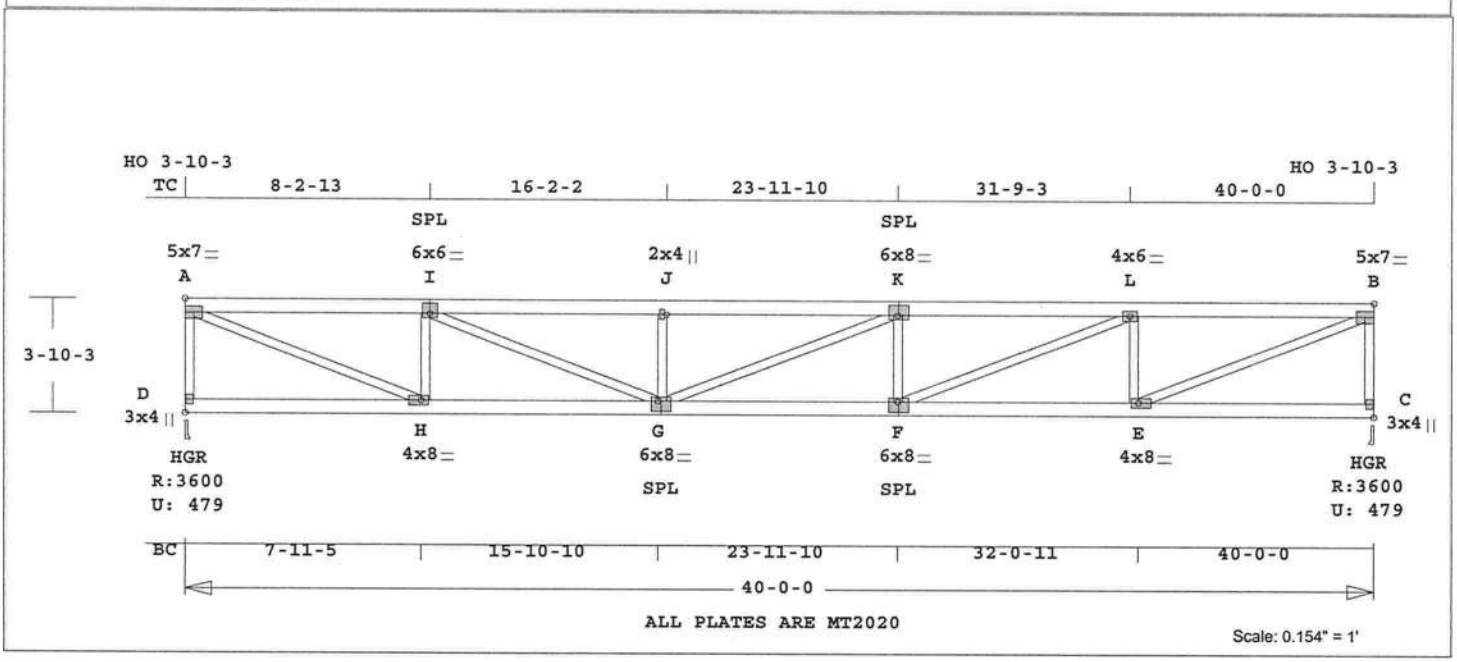
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A19GIR	1*2P	FLAT	40'0000	31003	0	0	T3734664

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 337.3 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.48	2x 6	SP-#2
BC	0.81	2x 6	SP-#2
WB	0.69	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	40- 0- 0
BC	Cont.	0- 0- 0	40- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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-
D	3600	480 U	96 R
C	3600	480 U	96 R

Jt	Brg Size	Required
D	3.5"	2.1"
C	3.5"	2.1"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	45	90	0.0'	40.0'
BC V	45	0	0.0'	40.0'

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 -I	0.47	6967 C	0.06 0.41
I -J	0.47	10223 C	0.09 0.38
J -K	0.46	10223 C	0.13 0.33
K -L	0.47	10226 C	0.09 0.38
L -B	0.48	6966 C	0.06 0.42
--------Bottom Chords---------			
D -H	0.20	70 T	0.00 0.20
H -G	0.57	6967 T	0.46 0.11
G -F	0.81	10226 T	0.68 0.13
F -E	0.57	6966 T	0.46 0.11
E -C	0.20	70 T	0.00 0.20
------------Webs------------			
D -A	0.19	3435 C	WindLd
A -H	0.69	7575 T	
H -I	0.14	2585 C	
I -G	0.32	3539 T	
G -J	0.05	1043 C	
G -K	0.04	205 T	
F -K	0.05	1044 C	
F -L	0.32	3544 T	
E -L	0.14	2585 C	
E -B	0.69	7574 T	
C -B	0.19	3435 C	WindLd

TL Defl -0.86" in G -F L/549
LL Defl -0.34" in G -F L/999
Shear // Grain in A -I 0.26

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	5.0x 7.0	Ctr	Ctr	0.99
I	MT20	6.0x 6.0	Ctr	1.2	0.73
J	MT20	2.0x 4.0	Ctr	Ctr	0.30
K	MT20	6.0x 8.0	Ctr	1.2	0.50
L	MT20	4.0x 6.0	Ctr	Ctr	0.64
B	MT20	5.0x 7.0	Ctr	Ctr	0.99
D	MT20	3.0x 4.0	Ctr	Ctr	0.39
H	MT20	4.0x 8.0	-1.0	Ctr	0.84
G	MT20	6.0x 8.0	Ctr	-1.2	0.89
F	MT20	6.0x 8.0	Ctr	-1.2	0.89
E	MT20	4.0x 8.0	1.0	Ctr	0.84
C	MT20	3.0x 4.0	Ctr	Ctr	0.40

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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
Girder Common
Loading TC and BC
Span 7- 0- 0
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	----Spacing (In)----		
Rows	Nails	Screws	Bolts
TC 2	12	24	0
BC 2	12	24	0
WB 1	8	8	

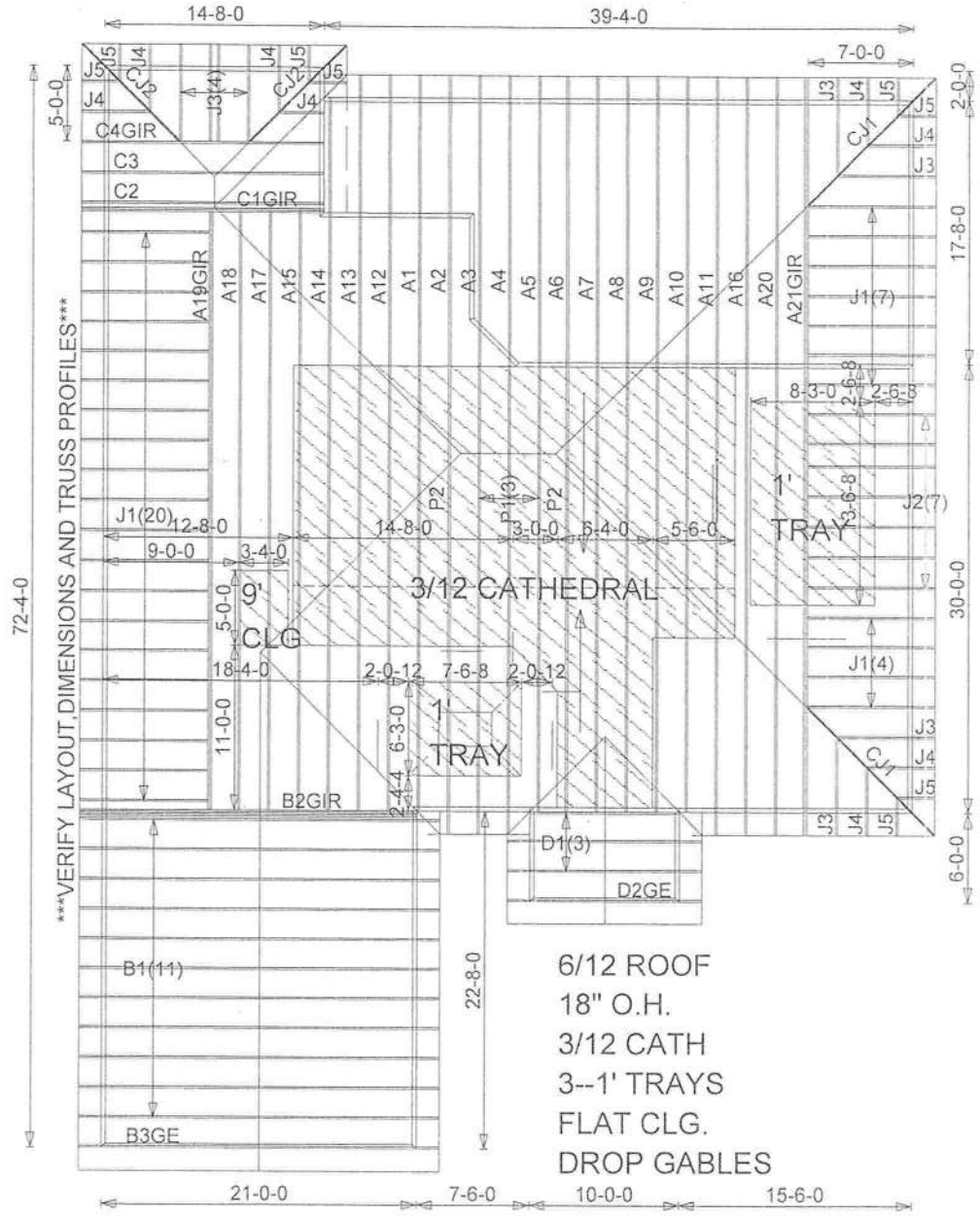
Web Connection Exception --
Space screws or nails for the following webs-
A -H @ 4" o.c.
E -B @ 4" o.c.
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
Use properly rated hangers for loads framing into girder truss.
This truss must be installed as shown. It cannot be installed upside-down.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 10226 Lbs
Max tens. force 10226 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

May 6,2010

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Mayo Truss Co. Inc.
845 East US 27
MAYO, FL 32066
(386)294-3988
(877)-558-6262

LDM

GRAND HEATHER - LEFT HAND
COLUMBIA COUNTY

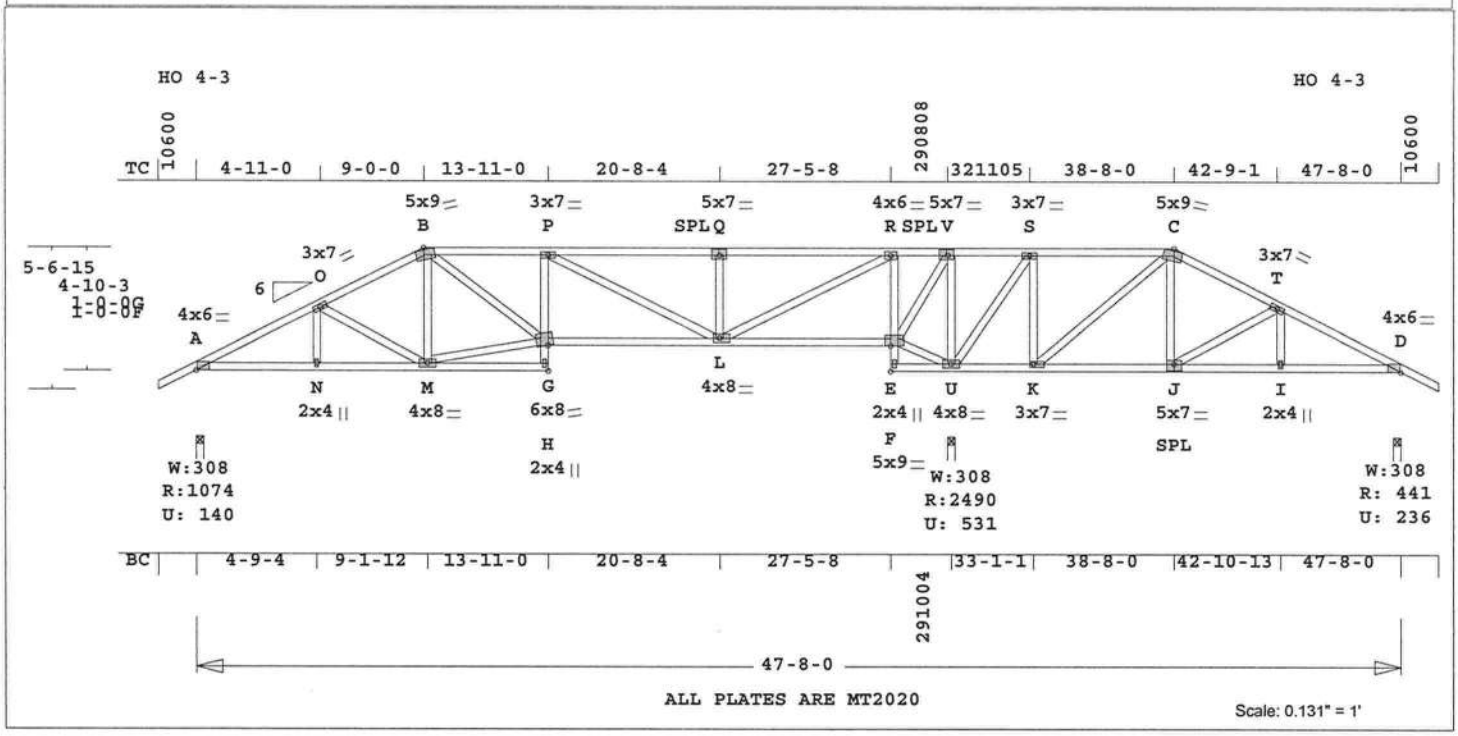
110 MPH ASCE WIND LOAD

Roof Loading	
TC Live:	20.00 psf
TC Dead:	10.00 psf
BC Live:	0.00 psf
BC Dead:	10.00 psf
TC Stress Inc:	25.00
BC Stress Inc:	25.00
Spacing:	2- 0- 0 o.c.

Account: CONTRACTORS
Job: LDM-HEATHER
Designer: C. LITTLE
Checker:
Date: 05-07-10

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A20	1	SP	47'0800	6	1- 6- 0	1- 6- 0	T3734665

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 351.5 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.53	2x 4	SP-#2
BC	0.43	2x 4	SP-#2
CW	0.19	2x 4	SP-#2
WB	0.75	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1074	140 U	99 R
U	2490	532 U	
D	441	236 U	98 R

Jt	Brg Size	Required
A	3.5"	1.5"
U	3.5"	2.7"
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 -O	0.24	1695	C	0.09	0.15
O -B	0.23	1353	C	0.08	0.15
B -P	0.32	1655	C	0.01	0.31
P -Q	0.46	924	C	0.00	0.46
Q -R	0.46	924	C	0.00	0.46
R -V	0.49	950	T	0.15	0.34
V -S	0.53	1439	T	0.24	0.29
S -C	0.41	730	T	0.12	0.29
C -T	0.21	499	T	0.06	0.15
T -D	0.25	801	T	0.10	0.15
Bottom Chords					
A -N	0.30	1515	T	0.25	0.05
N -M	0.33	1515	T	0.25	0.08
M -H	0.13	50	C	0.00	0.13
G -L	0.43	1669	T	0.17	0.26
L -F	0.26	943	C	0.00	0.26
E -U	0.07	112	C	0.00	0.07
U -K	0.12	730	C	0.03	0.09
K -J	0.13	262	C	0.00	0.13
J -I	0.16	657	C	0.03	0.13
I -D	0.14	657	C	0.05	0.09
Chord-Webs					
H -G	0.09	73	T	0.01	0.08
G -P	0.12	170	T	0.02	0.10
E -F	0.19	26	T	0.00	0.19
F -R	0.14	1304	C	0.09	0.05

Webs			
N -O	0.02	158	T
O -M	0.13	349	C
M -B	0.01	122	T
M -G	0.22	1226	T
B -G	0.10	558	T
P -L	0.75	837	C
L -Q	0.08	437	C
L -R	0.74	2101	T
F -V	0.16	914	T
F -U	0.18	1497	C
U -V	0.25	811	C
U -S	0.56	1223	C
K -S	0.16	663	T
K -C	0.67	907	C
J -C	0.11	377	C
J -T	0.15	464	T
I -T	0.02	183	T

TL Defl -0.25" in G -L L/999
LL Defl -0.09" in G -L L/999
Shear // Grain in P -Q 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	4.0x 6.0	Ctr	0.1	0.45
O	MT20	3.0x 7.0	Ctr	Ctr	0.24
B	MT20	5.0x 9.0	0.8	-3.5	0.43
P	MT20	3.0x 7.0	Ctr	Ctr	0.32
Q	MT20	5.0x 7.0	Ctr	0.5	0.39
R	MT20	4.0x 6.0	Ctr	Ctr	0.77
V	MT20	5.0x 7.0	Ctr	0.5	0.42
S	MT20	3.0x 7.0	Ctr	Ctr	0.51
C	MT20	5.0x 9.0	-0.8	-3.5	0.51
T	MT20	3.0x 7.0	Ctr	Ctr	0.24
D	MT20	4.0x 6.0	Ctr	0.1	0.36
N	MT20	2.0x 4.0	Ctr	Ctr	0.34
M	MT20	4.0x 8.0	Ctr	Ctr	0.63
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	6.0x 8.0	Ctr	1.0	0.43
L	MT20	4.0x 8.0	1.0	Ctr	0.73
F	MT20	5.0x 9.0	Ctr	0.7	0.55
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
U	MT20	4.0x 8.0	Ctr	Ctr	0.68
K	MT20	3.0x 7.0	Ctr	Ctr	0.34
J	MT20	5.0x 7.0	Ctr	-0.5	0.39
I	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29-10- 4 47- 8- 0
Max comp. force 1695 Lbs
Max tens. force 2101 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.

PHILIP J. O'REGAN
LICENSE
No 58126
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

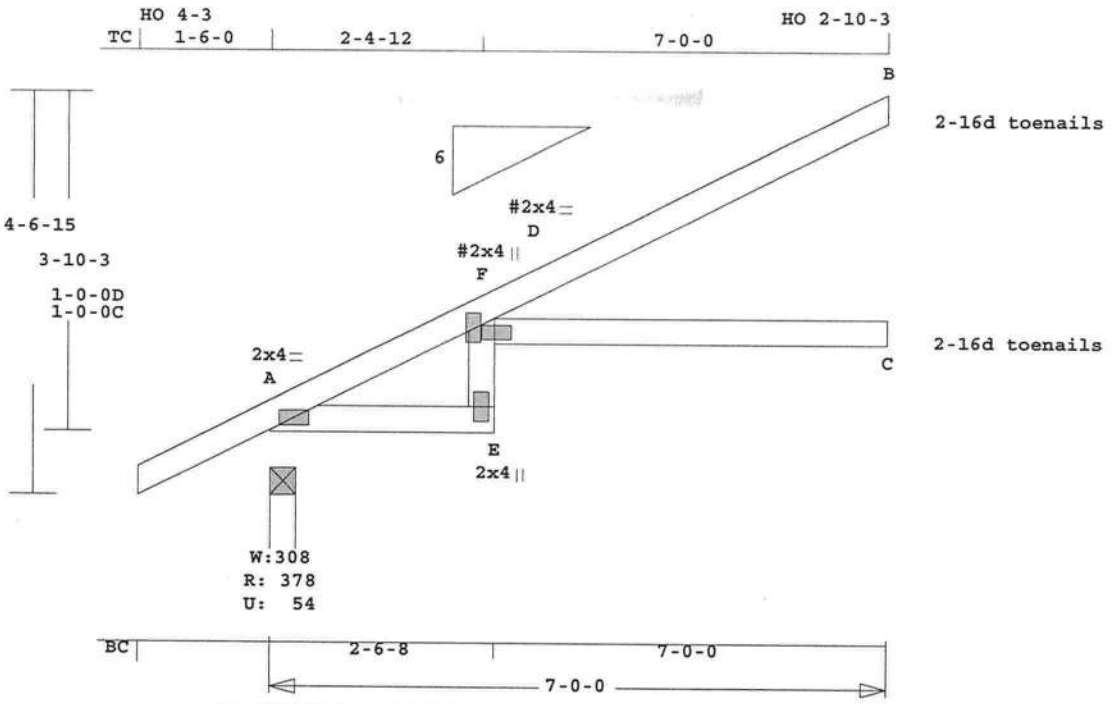
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	J2	7	SP	70000	6	1- 6- 0	0	T3734666

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.457" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 33.3 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.42	2x 4	SP-#2
BC	0.51	2x 4	SP-#2
CW	0.45	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	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	379	55 U	282 R
C	131		
B	169	68 U	72 R

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

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----------			
A -F	0.22	277 C	0.00 0.22
F -B	0.42	138 C	0.00 0.42
--------Bottom Chords---------			
A -E	0.08	268 C	0.03 0.05
D -C	0.51	0 T	0.00 0.51
----------Chord-Webs----------			
E -D	0.45	54 T	0.00 0.45
D -F	0.11	108 T	0.01 0.10

TL Defl -0.24" in F -C L/323
LL Defl -0.10" in F -C L/786
Shear // Grain in E -F 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	2.0x 4.0	Ctr	Ctr	0.65
F#	MT20	2.0x 4.0	-1.1	-0.5	0.15
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
D#	MT20	2.0x 4.0	0.2	-0.2	0.66

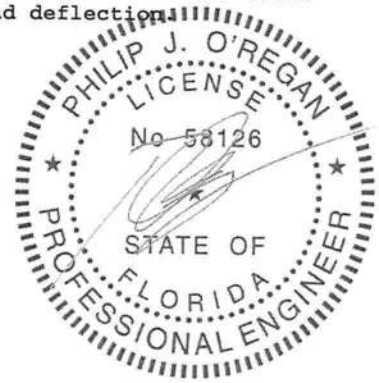
= Plate Monitor used
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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:
Mayo Truss Co. Inc.
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.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 277 Lbs
Max tens. force 217 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.



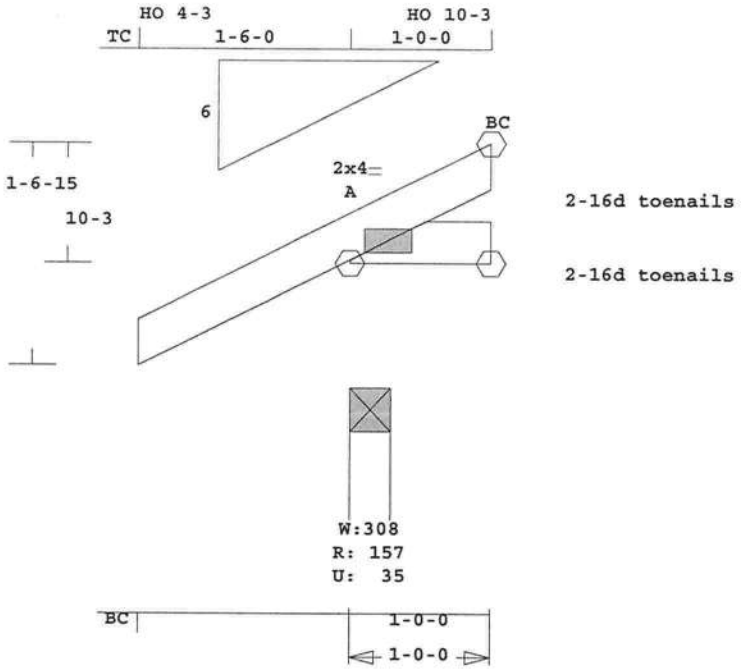
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	*J5*	8	JCA2	10000	6	1- 6- 0	0	*T3734667*

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.731" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 7.4 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.00	2x 4	SP-#2
BC	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	1- 0- 0
BC	Cont.	0- 0- 0	1- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	158	36 U	52 R
B	15	9 U	
C	13		10 R

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

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----------			
A -B	0.00	17 C	
--------Bottom Chords---------			
A -C	0.00	9 T	

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.03

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	2.0x 4.0	Ctr	Ctr	0.65

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 17 Lbs
Max tens. force 9 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.



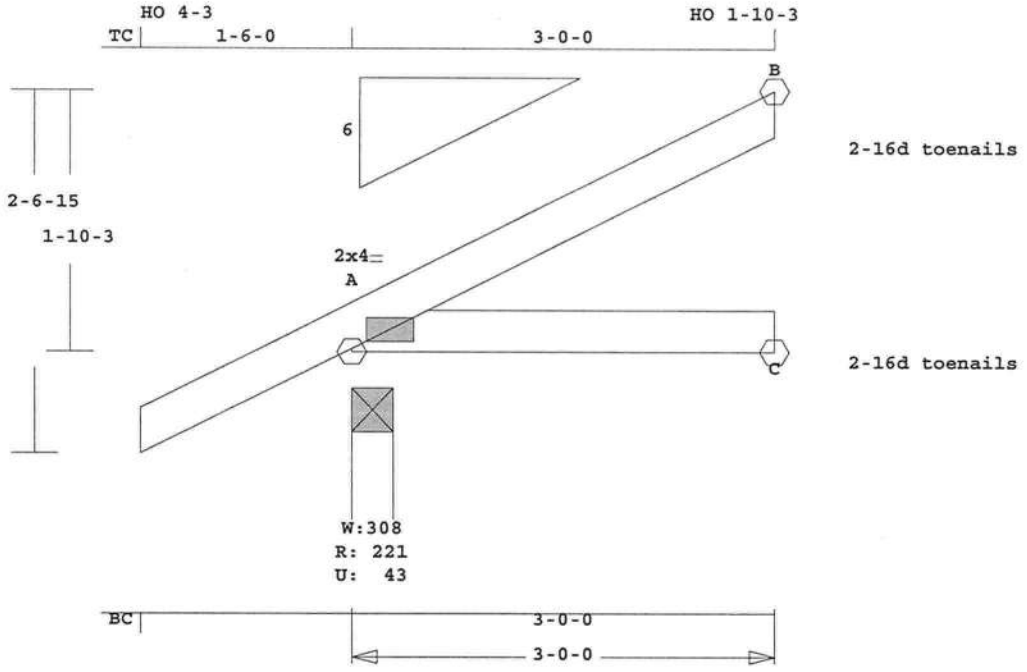
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May 6,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	J4	8	JCA2	30000	6	1- 6- 0	0	T3734668

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.731" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 15.4 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.11	2x 4	SP-#2
BC	0.09	2x 4	SP-#2

Brace truss as follows:

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	222	44 U	166 R
C	56		
B	78	35 U	30 R

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

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----------			
A -B	0.11	79 C	0.00 0.11
--------Bottom Chords---------			
A -C	0.09	0 T	0.00 0.09

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.15

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	2.0x 4.0	Ctr	Ctr	0.65

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 79 Lbs
Max tens. force 20 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.



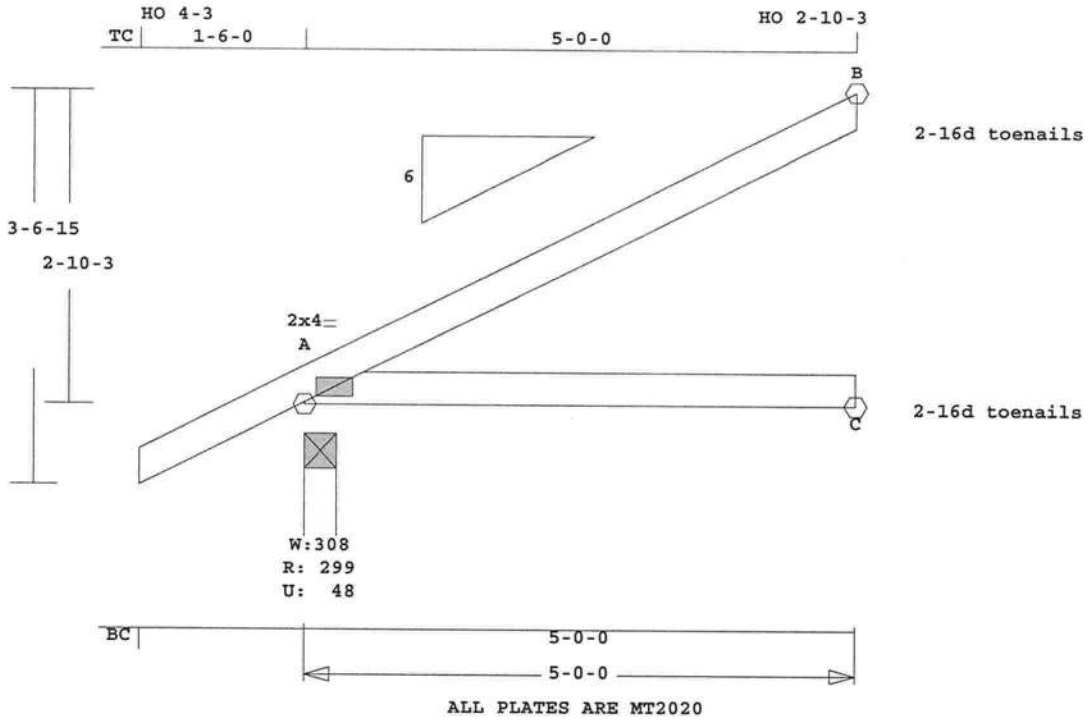
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	J3	8	JCA2	50000	6	1- 6- 0	0	T3734669

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.572" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 23.4 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.33	2x 4	SP-#2
BC	0.26	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	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	300	49 U	233 R
C	94		
B	133	58 U	51 R

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

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----------			
A -B	0.33	130 C	0.00 0.33
--------Bottom Chords---------			
A -C	0.26	0 T	0.00 0.26

TL Defl -0.05" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 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	2.0x 4.0	Ctr	Ctr	0.65

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 130 Lbs
Max tens. force 33 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.

PHILIP J. O'REGAN
LICENSE
No 58126
STATE OF
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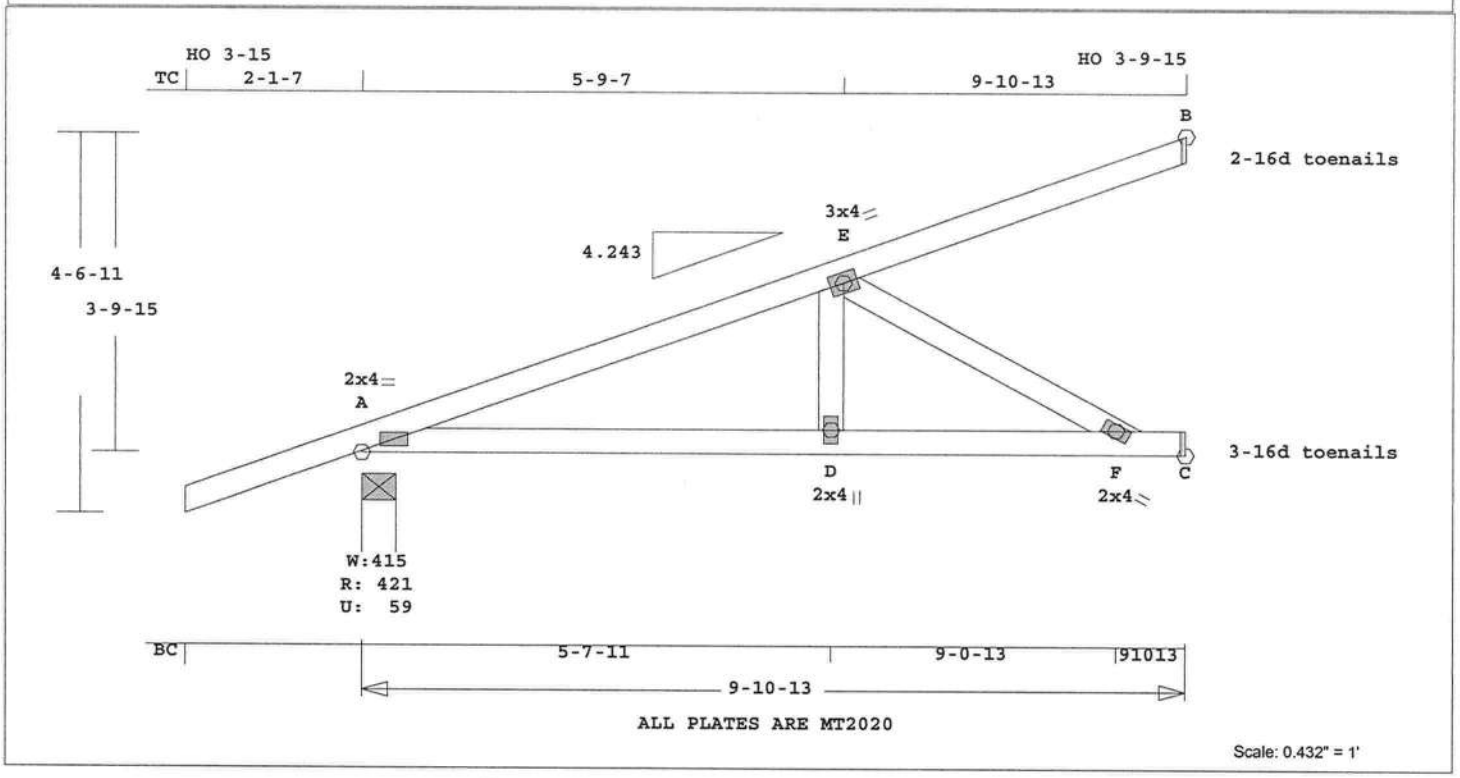
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May 6,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	CJ1	2	MONO.DD	91013	4.243	2- 1- 7	0	T3734670

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 53.9 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.35	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.19	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9- 7- 5
BC	Cont.	0- 0- 0	9- 7- 5

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	422	59 U	259 R
C	355	20 U	
B	207	83 U	78 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	3.5"	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	20	40	0.0'	9.9'
BC V	20	0	0.0'	9.9'
TC V	-20	-40	0.0'	
	22	45		9.9'
BC V	-20	0	0.0'	
	22	0		9.9'

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			
A -E	0.29	610 C	0.02 0.27
E -B	0.35	109 C	0.00 0.35
Bottom Chords			
A -D	0.24	589 T	0.06 0.18
D -F	0.39	589 T	0.10 0.29
F -C	0.29	0 T	0.00 0.29
Webs			
D -E	0.04	278 T	
E -F	0.19	672 C	

TL Defl -0.07" in D -F L/999
LL Defl -0.03" in D -F L/999
Shear // Grain in F -C 0.45

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	2.0x 4.0	Ctr	Ctr	0.72
E	MT20	3.0x 4.0	Ctr	Ctr	0.35
D	MT20	2.0x 4.0	Ctr	Ctr	0.25
F	MT20	2.0x 4.0	Ctr	Ctr	0.43

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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
Girder King Jack
Loading TC and BC
Setback 7- 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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 672 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.



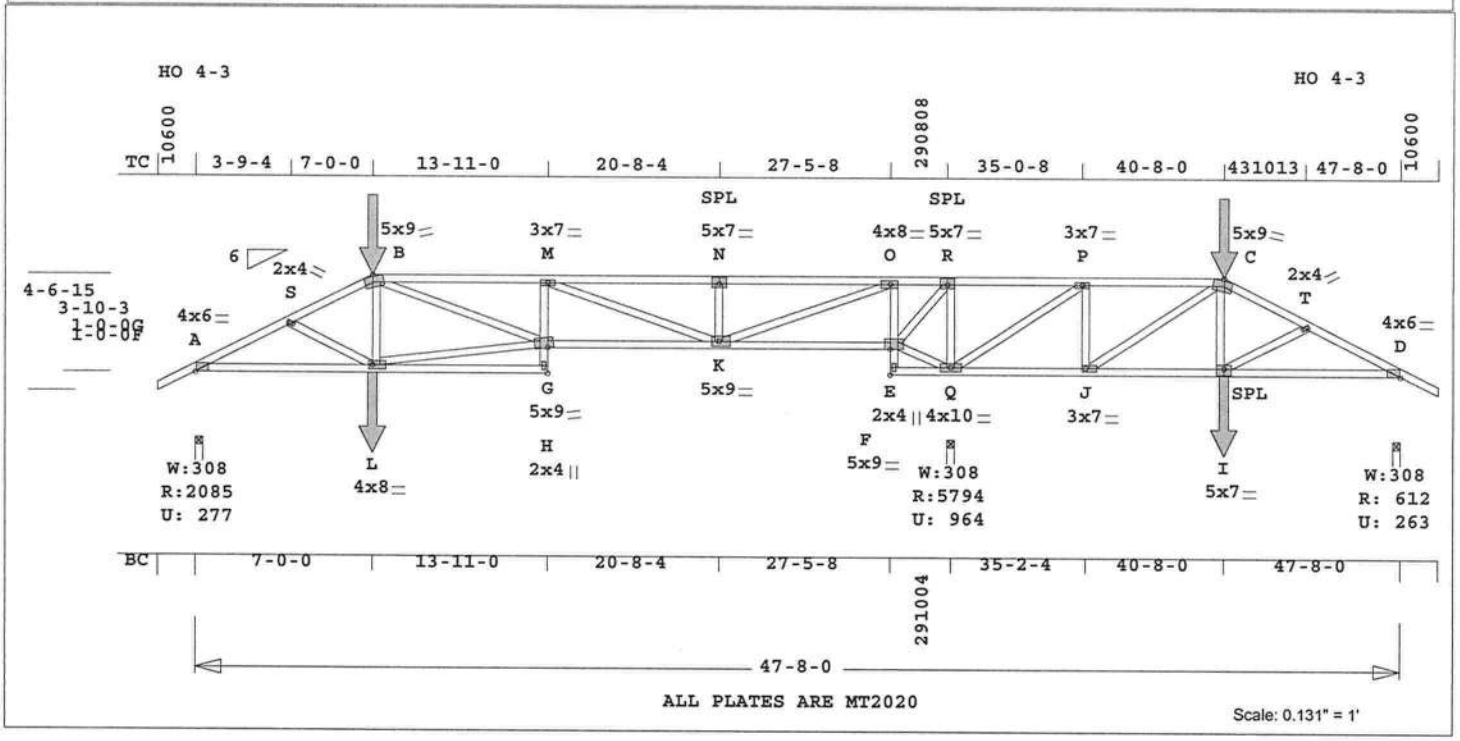
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A21GIR	1*2P	SP	47'0800	6	1- 6- 0	1- 6- 0	T3734671

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 329.2 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.83	2x 4	SP-#2
BC	0.68	2x 4	SP-#2
CW	0.22	2x 4	SP-#2
WB	0.58	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	2085	278 U	77 R
Q	5794	964 U	
D	612	264 U	76 R

Jt	Brg Size	Required
A	3.5"	1.5"
Q	3.5"	3.1"
D	3.5"	1.5"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	47.7'
BC V	20	0	0.0'	47.7'
TC V	25	50	7.0'	40.7'
BC V	25	0	7.0'	40.7'
TC V	103	103	7.0'	CL-LB
TC V	103	103	40.7'	CL-LB
BC V	177	177	7.0'	CL-LB
BC V	177	177	40.7'	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 -S	0.20	3829 C	0.02 0.18
S -B	0.19	3740 C	0.02 0.17
B -M	0.56	5381 C	0.05 0.51
M -N	0.56	2892 C	0.01 0.55
N -O	0.56	2892 C	0.01 0.55
O -R	0.75	3105 T	0.28 0.47
R -P	0.83	4245 T	0.39 0.44
P -C	0.54	1091 T	0.10 0.44
C -T	0.16	835 T	0.00 0.16
T -D	0.14	964 T	0.06 0.08
--------Bottom Chords---------			
A -L	0.43	3383 T	0.31 0.12
L -H	0.25	176 T	0.00 0.25
G -K	0.68	5466 T	0.50 0.18
K -F	0.30	3086 C	0.00 0.30
E -Q	0.16	219 C	0.00 0.16
Q -J	0.16	1091 C	0.00 0.16
J -I	0.19	591 C	0.03 0.16
I -D	0.17	820 C	0.04 0.13
----------Chord-Webs----------			
H -G	0.19	179 T	0.01 0.18
G -M	0.22	350 T	0.02 0.20
E -F	0.22	50 T	0.00 0.22
F -O	0.13	2927 C	0.13 0.00
------------Webs------------			
S -L	0.01	165 T	
L -B	0.02	380 T	
L -G	0.29	3234 T	
B -G	0.19	2139 T	
M -K	0.48	2743 C	
K -N	0.04	948 C	
K -O	0.58	6375 T	
F -R	0.15	1724 T	
F -Q	0.22	4410 C	
Q -R	0.09	1658 C	
Q -P	0.51	3790 C	
J -P	0.11	1262 T	
J -C	0.25	1881 C	
I -C	0.05	700 T	
I -T	0.01	243 T	

TL Defl -0.47" in L -H L/758
LL Defl -0.18" in G -K L/999
Shear // Grain in B -M 0.31

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	4.0x 6.0	Ctr	0.1	0.51
S	MT20	2.0x 4.0	Ctr	Ctr	0.17
B	MT20	5.0x 9.0	0.8-3.5		0.68
M	MT20	3.0x 7.0	Ctr	Ctr	0.54
N	MT20	5.0x 7.0	Ctr	0.5	0.39
O	MT20	4.0x 8.0-0.5	Ctr		0.76
R	MT20	5.0x 7.0	Ctr	0.5	0.46
P	MT20	3.0x 7.0	Ctr	Ctr	0.71
C	MT20	5.0x 9.0-0.8-3.5			0.55
T	MT20	2.0x 4.0	Ctr	Ctr	0.14
D	MT20	4.0x 6.0	Ctr	0.1	0.36
L	MT20	4.0x 8.0	0.5	Ctr	0.68
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	5.0x 9.0	Ctr	0.6	0.71
K	MT20	5.0x 9.0	1.0	Ctr	0.83
F	MT20	5.0x 9.0	Ctr	0.7	0.53
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
Q	MT20	4.0x10.0	Ctr	Ctr	0.69
J	MT20	3.0x 7.0	Ctr	Ctr	0.35
I	MT20	5.0x 7.0	Ctr-0.5		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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	----Spacing (In)----		
Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 1	12	24	0
WB 1	8	8	

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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29-10- 4 47- 8- 0
Max comp. force 5381 Lbs
Max tens. force 6375 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.

PHILIP J. O'REGAN
LICENSE
No. 58126
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

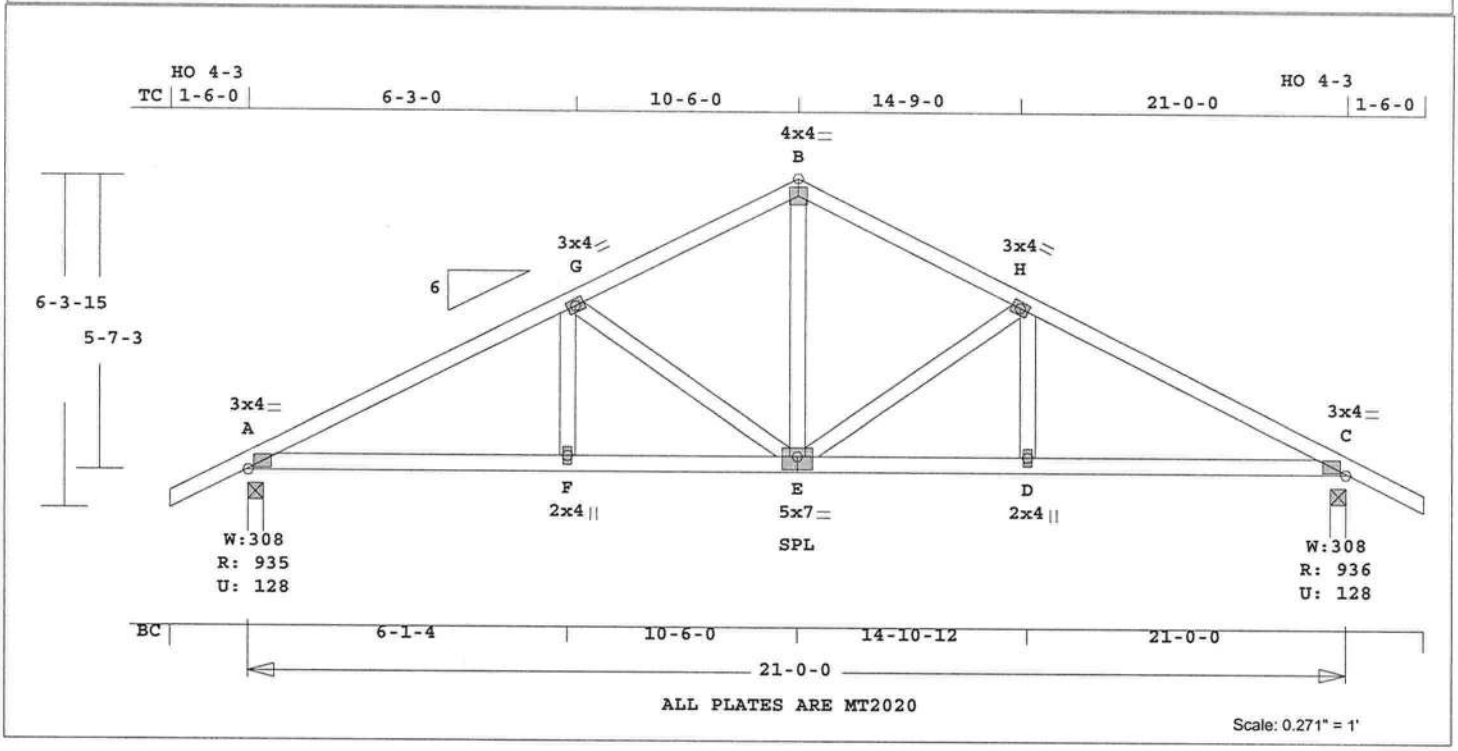
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May 6,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	B1	11	TR	210000	6	1- 6- 0	1- 6- 0	T3734672

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 130.0 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.30	2x 4	SP-#2
BC	0.32	2x 4	SP-#2
WB	0.19	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	21- 0- 0
BC	Cont.	0- 0- 0	21- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	936	129 U	98 R
C	936	129 U	98 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 DL Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -G	0.30	1332 C	0.09 0.21
G -B	0.28	930 C	0.06 0.22
B -H	0.28	930 C	0.06 0.22
H -C	0.30	1332 C	0.08 0.22
--------Bottom Chords---------			
A -F	0.32	1195 T	0.20 0.12
F -E	0.29	1195 T	0.20 0.09
E -D	0.29	1195 T	0.20 0.09
D -C	0.32	1195 T	0.20 0.12
------------Webs------------			
F -G	0.03	219 T	
G -E	0.19	455 C	
E -B	0.12	598 T	
E -H	0.19	455 C	
D -H	0.03	219 T	

TL Defl -0.09" in A -F L/999
LL Defl -0.04" in F -E L/999
Shear // Grain in A -G 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 4.0	Ctr	Ctr	0.74
G	MT20	3.0x 4.0	Ctr	Ctr	0.47
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
H	MT20	3.0x 4.0	Ctr	Ctr	0.47
C	MT20	3.0x 4.0	Ctr	Ctr	0.74
F	MT20	2.0x 4.0	Ctr	Ctr	0.34
E	MT20	5.0x 7.0	Ctr	-0.5	0.44
D	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1332 Lbs
Max tens. force 1195 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.



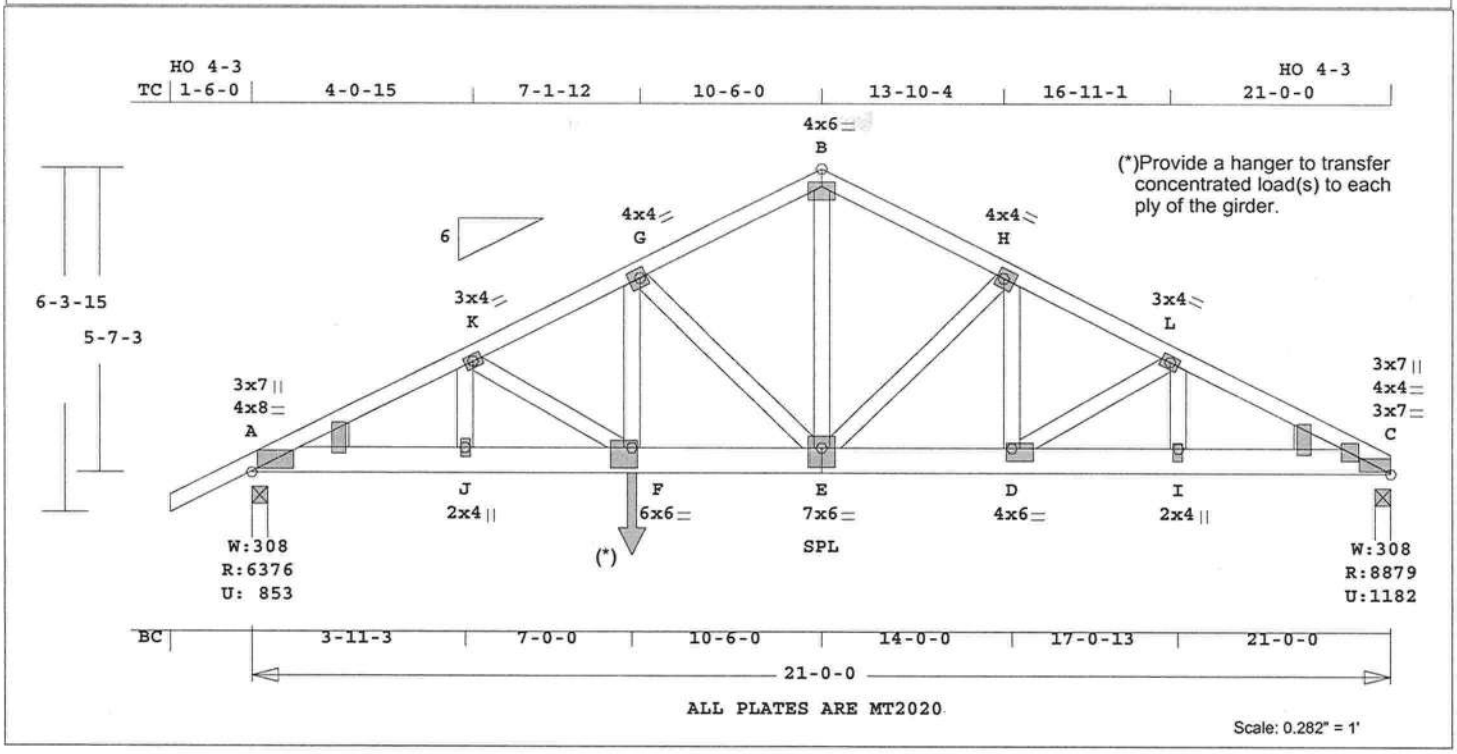
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	B2GIR	1*3P	TR	210000	6	1- 6- 0	0	T3734673

GRAND HEATHER-LEFT HAND




```
Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10
***************
* 3-Ply Truss *
***************

     CSI -Size- ----Lumber----
TC  0.41  2x 4  SP-#2
BC  0.85  2x 6  SP-#2
WB  0.53  2x 4  SP-#2
WG   ---  2x 6  SP-#2

Brace truss as follows:
     O.C.     From      To
 TC  Cont.    0- 0- 0 21- 0- 0
 BC  Cont.    0- 0- 0 21- 0- 0

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   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   6377   854 U    98 R
C   8879  1183 U    97 R

Jt   Brg Size   Required
A       3.5"       2.5"
C       3.5"       3.5"

LC#  1  Standard Loading
Dur Fctrs - Lbr 1.25  Plt 1.25
plf - Dead  Live* From    To
TC V    20    40   0.0'  21.0'
BC V    20     0   0.0'  21.0'
BC V   380   380   8.0'  21.0'
BC V  1800  1800   7.0'  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 -K  0.30 13110 C  0.28  0.02
K -G  0.31 13240 C  0.28  0.03
G -B  0.27  9995 C  0.22  0.05
B -H  0.27  9994 C  0.22  0.05
H -L  0.30 13152 C  0.28  0.02
L -C  0.41 15736 C  0.34  0.07
--------Bottom Chords---------
A -J  0.63 11715 T  0.47  0.16
J -F  0.63 11715 T  0.47  0.16
F -E  0.74 11846 T  0.48  0.26
E -D  0.73 11756 T  0.47  0.26
D -I  0.77 14134 T  0.57  0.20
I -C  0.85 14134 T  0.57  0.28
-------------Webs-------------
```

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 168.8 LBS

```
J -K  0.00   269 C
K -F  0.01   215 T
F -G  0.25  4182 T
G -E  0.15  4046 C
E -B  0.53  8612 T
E -H  0.14  3920 C
D -H  0.24  4075 T
D -L  0.09  2807 C
I -L  0.14  2405 T

TL Defl  -0.30" in E -D  L/816
LL Defl  -0.12" in E -D  L/999
Shear // Grain  in F -E   0.42

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  4.0x 8.0 Ctr-0.1 0.96
A  MT20  3.0x 7.0 Ctr Ctr 0.00
K  MT20  3.0x 4.0 Ctr Ctr 0.21
G  MT20  4.0x 4.0-0.4-0.2 0.84
B  MT20  4.0x 6.0 Ctr-1.0 0.88
H  MT20  4.0x 4.0 0.4-0.2 0.82
L  MT20  3.0x 4.0 Ctr Ctr 0.78
C  MT20  3.0x 7.0-3.5 1.8 0.83
C  MT20  4.0x 4.0 1.4-0.6 0.85
C  MT20  3.0x 7.0-8.8 2.2 0.00
J  MT20  2.0x 4.0 Ctr Ctr 0.12
F  MT20  6.0x 6.0 Ctr-1.3 0.72
E  MT20  7.0x 6.0 Ctr-0.8 0.78
D  MT20  4.0x 6.0 Ctr-0.8 0.95
I  MT20  2.0x 4.0 Ctr-0.8 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:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
  TPI 2002
3 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
  pattern.  (1/2" bolts -OR-
  SDS4.5 screws -OR- 16d nails
  as each layer is applied.)
          ----Spacing (In)----
    Rows  Nails  Screws  Bolts
  TC  1    12      24       0
  BC  2     8.5    13.5     0
  WB  1     8       8
  No bolts in 2x4s or smaller.
Plus clusters of nails where
  shown.
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:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:         5.0 psf
  BC Dead Load:         5.0 psf
Max comp. force    15736 Lbs
Max tens. force    14134 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.
```



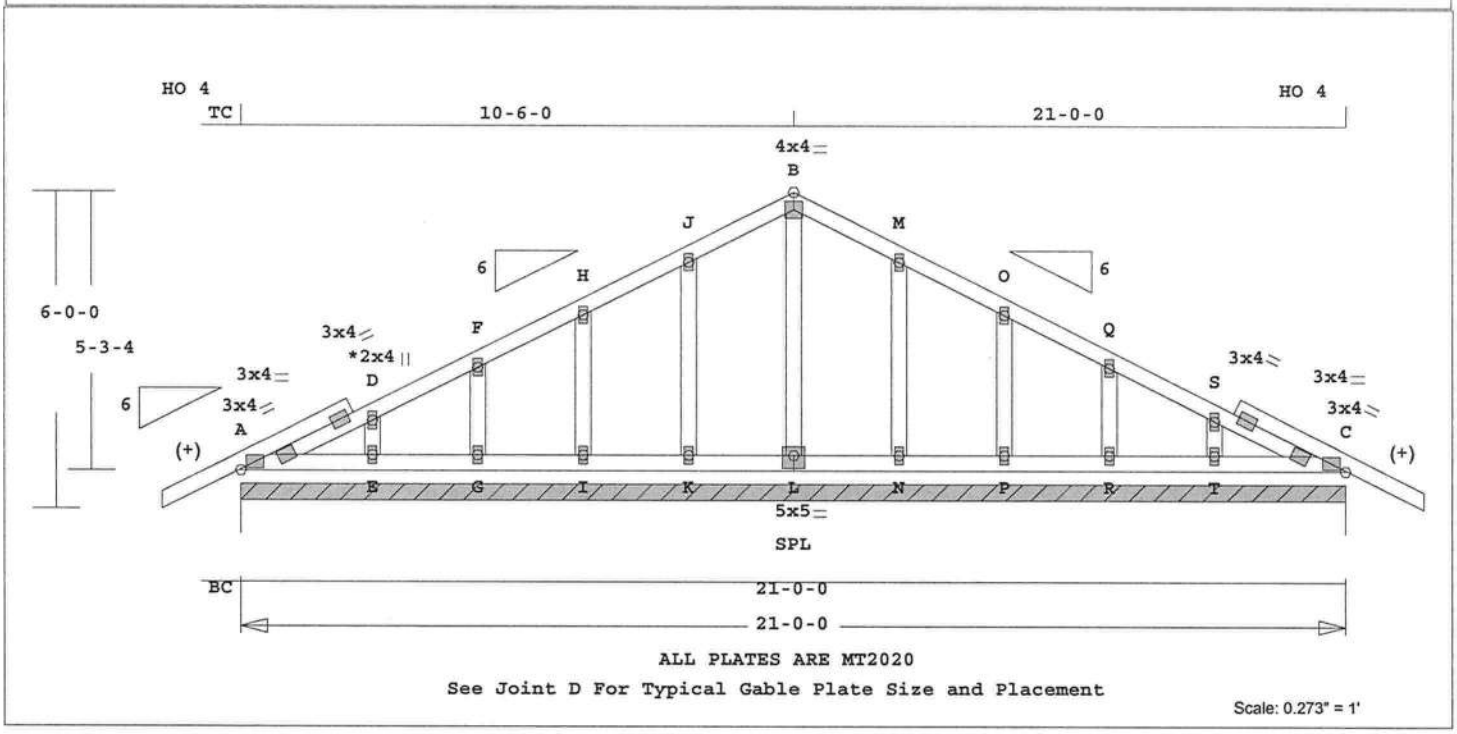
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	B3GE	1	TR	210000	6	0	0	T3734674

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.273" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 139.5 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.05	2x 4	SP-#2 (+)
BC	0.04	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	21- 0- 0
BC	Cont.	0- 0- 0	21- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	1680	224 U	92 R

Jt	Brg Size	Required
A	252.0"	0"-to- 252"

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 -D	0.04	85 C	0.00 0.04
D -F	0.04	47 C	0.00 0.04
F -H	0.03	66 T	0.00 0.03
H -J	0.04	127 T	0.01 0.03
J -B	0.05	181 T	0.02 0.03
B -M	0.05	181 T	0.02 0.03
M -O	0.04	127 T	0.01 0.03
O -Q	0.03	66 T	0.00 0.03
Q -S	0.04	47 C	0.00 0.04
S -C	0.04	85 C	0.00 0.04
Bottom Chords			
A -E	0.04	19 T	0.00 0.04
E -G	0.02	0 T	0.00 0.02
G -I	0.02	0 T	0.00 0.02
I -K	0.02	0 T	0.00 0.02
K -L	0.02	0 T	0.00 0.02
L -N	0.02	0 T	0.00 0.02
N -P	0.02	0 T	0.00 0.02
P -R	0.02	0 T	0.00 0.02
R -T	0.02	0 T	0.00 0.02
T -C	0.04	19 T	0.00 0.04
Gable Webs			
E -D	0.02	169 T	
G -F	0.02	173 T	
I -H	0.01	119 C	
K -J	0.03	178 T	
L -B	0.02	70 C	
N -M	0.03	178 T	
P -O	0.01	119 C	
R -Q	0.02	173 T	
T -S	0.02	169 T	

TL Defl 0.00" in T -C L/999
LL Defl 0.00" in T -C L/999
Shear // Grain in D -D 0.08

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 4.0	Ctr	Ctr	0.52
D	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
J	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
O	MT20	2.0x 4.0	Ctr	Ctr	0.00
Q	MT20	2.0x 4.0	Ctr	Ctr	0.00
S	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 4.0	Ctr	Ctr	0.52
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
L	MT20	5.0x 5.0	Ctr	-0.5	0.39
N	MT20	2.0x 4.0	Ctr	Ctr	0.00
P	MT20	2.0x 4.0	Ctr	Ctr	0.00
R	MT20	2.0x 4.0	Ctr	Ctr	0.00
T	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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 133 Lbs
Max tens. force 181 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.



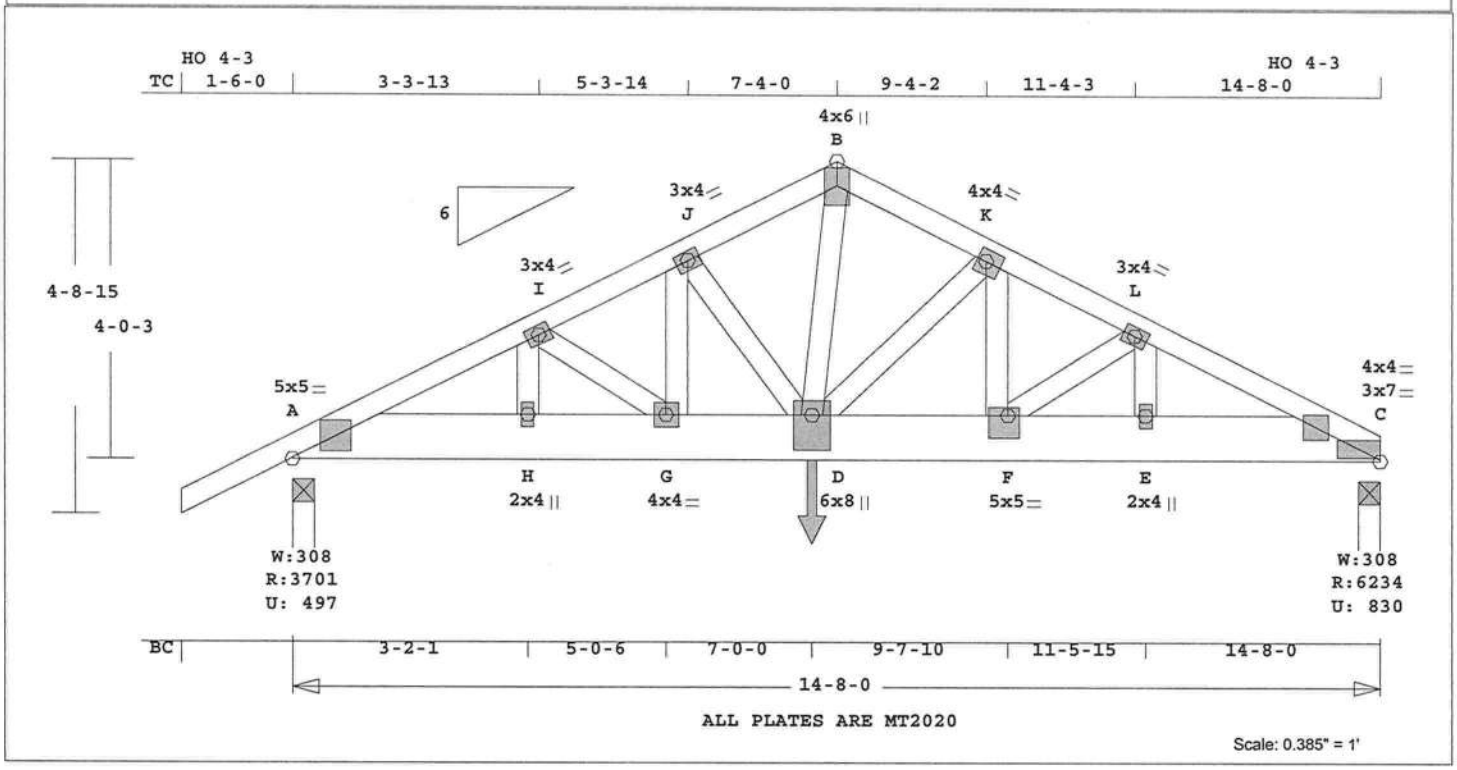
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	C1GIR	1*2P	TR	140800	6	1- 6- 0	0	T3734675

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 126.2 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10
****
* 2-Ply Truss *
****

	CSI	Size	Lumber
TC	0.52	2x 4	SP-#2
BC	0.37	2x 8	SP-2400f-2.0E
WB	0.55	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	14- 8- 0
BC	Cont.	0- 0- 0	14- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	3701	497 U	78 R
C	6235	830 U	58 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	2.6"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	14.7'
BC V	20	0	0.0'	14.7'
BC V	380	380	8.0'	14.7'
BC V	1800	1800	7.0'	CL-LB

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -I	0.34	7362 C	0.30 0.04
I -J	0.36	7499 C	0.31 0.05
J -B	0.39	7400 C	0.31 0.08
B -K	0.32	6683 C	0.28 0.04
K -L	0.41	8906 C	0.37 0.04
L -C	0.52	10393 C	0.43 0.09
Bottom Chords			
A -H	0.23	6589 T	0.12 0.11
H -G	0.23	6589 T	0.12 0.11
G -D	0.18	6692 T	0.12 0.06
D -F	0.26	7960 T	0.15 0.11
F -E	0.33	9323 T	0.17 0.16
E -C	0.37	9323 T	0.17 0.20
Webs			
H -I	0.01	297 C	
I -G	0.01	167 T	
G -J	0.00	101 T	
J -D	0.00	93 T	
D -B	0.55	6031 T	
D -K	0.15	2732 C	
F -K	0.26	2867 T	
F -L	0.08	1687 C	
E -L	0.13	1518 T	

TL Defl -0.19" in D -F L/885
LL Defl -0.08" in D -F L/999
Shear // Grain in F -E 0.30

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	5.0x 5.0	Ctr	Ctr	0.99
I	MT20	3.0x 4.0	Ctr	Ctr	0.21
J	MT20	3.0x 4.0	Ctr	Ctr	0.21
B	MT20	4.0x 6.0	Ctr	-0.1	0.88
K	MT20	4.0x 4.0	0.4	-0.2	0.86
L	MT20	3.0x 4.0	Ctr	Ctr	0.74
C	MT20	3.0x 7.0	-3.5	1.7	0.84
C	MT20	4.0x 4.0	3.5	-1.7	0.88
H	MT20	2.0x 4.0	Ctr	Ctr	0.12
G	MT20	4.0x 4.0	Ctr	Ctr	0.12
D	MT20	6.0x 8.0	Ctr	-1.7	0.99
F	MT20	5.0x 5.0	-0.5	-1.1	0.91
E	MT20	2.0x 4.0	Ctr	Ctr	0.69

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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	Rows	Nails	Screws	Bolts
		----Spacing (In)----		
TC	1	12	24	0
BC	2	9.5	18	0
WB	1	8	8	

Plus clusters of nails where shown.

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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 10393 Lbs
Max tens. force 9323 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.

PHILIP J. O'REGAN
LICENSE
No 58126
STATE OF FLORIDA
PROFESSIONAL ENGINEER

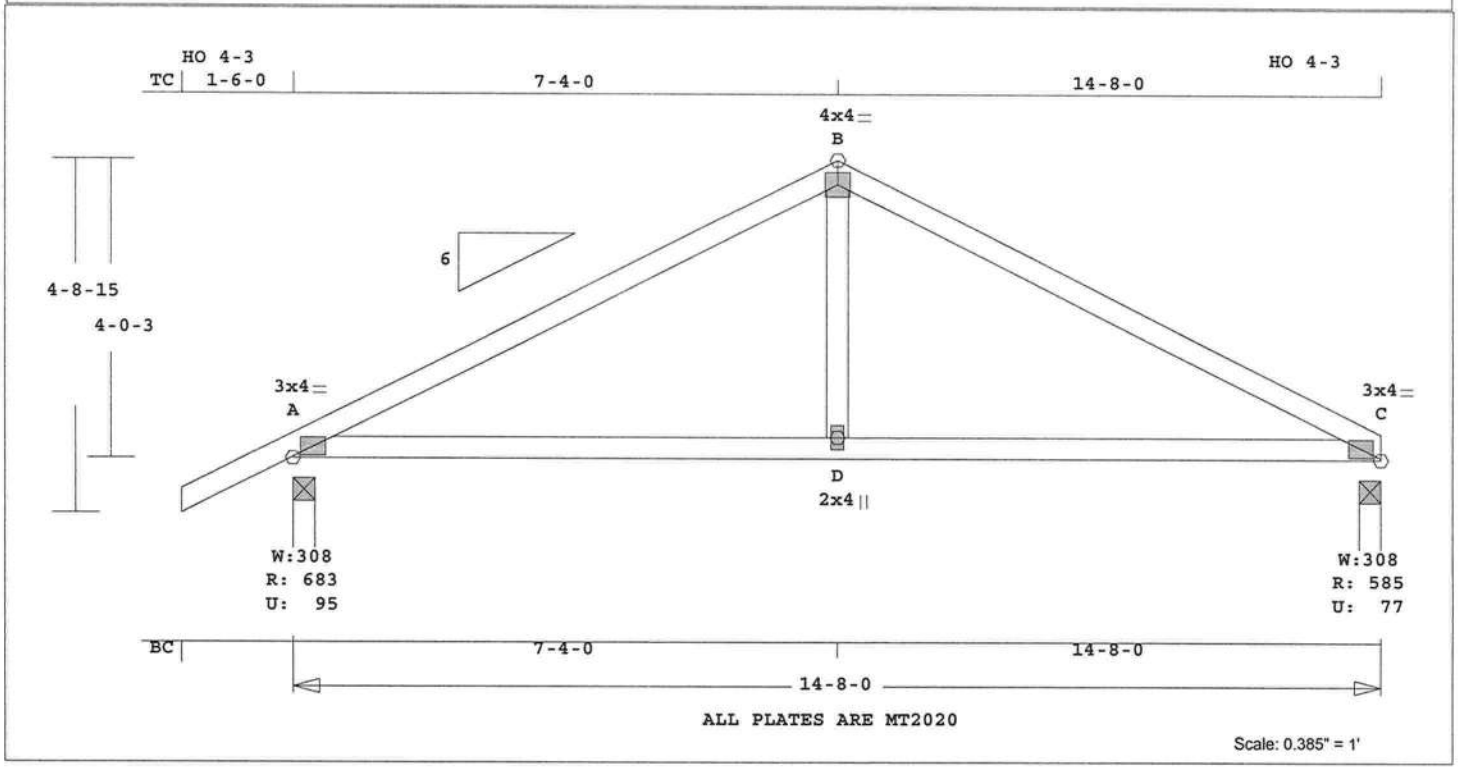
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	C2	1	TR	140800	6	1- 6- 0	0	T3734676

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 68.8 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.39	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
WB	0.05	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	14- 8- 0
BC	Cont.	0- 0- 0	14- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	684	95 U	61 R
C	586	78 U	61 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 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -B	0.38	731 C	0.01 0.37
B -C	0.39	731 C	0.01 0.38
Bottom Chords			
A -D	0.42	659 T	0.11 0.31
D -C	0.42	659 T	0.11 0.31
Webs			
D -B	0.05	332 T	

TL Defl -0.11" in D -C L/999
LL Defl -0.04" in D -C L/999
Shear // Grain in A -B 0.25

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 4.0	Ctr	Ctr	0.52
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
C	MT20	3.0x 4.0	Ctr	Ctr	0.52
D	MT20	2.0x 4.0	Ctr	Ctr	0.30

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 731 Lbs
Max tens. force 659 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.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

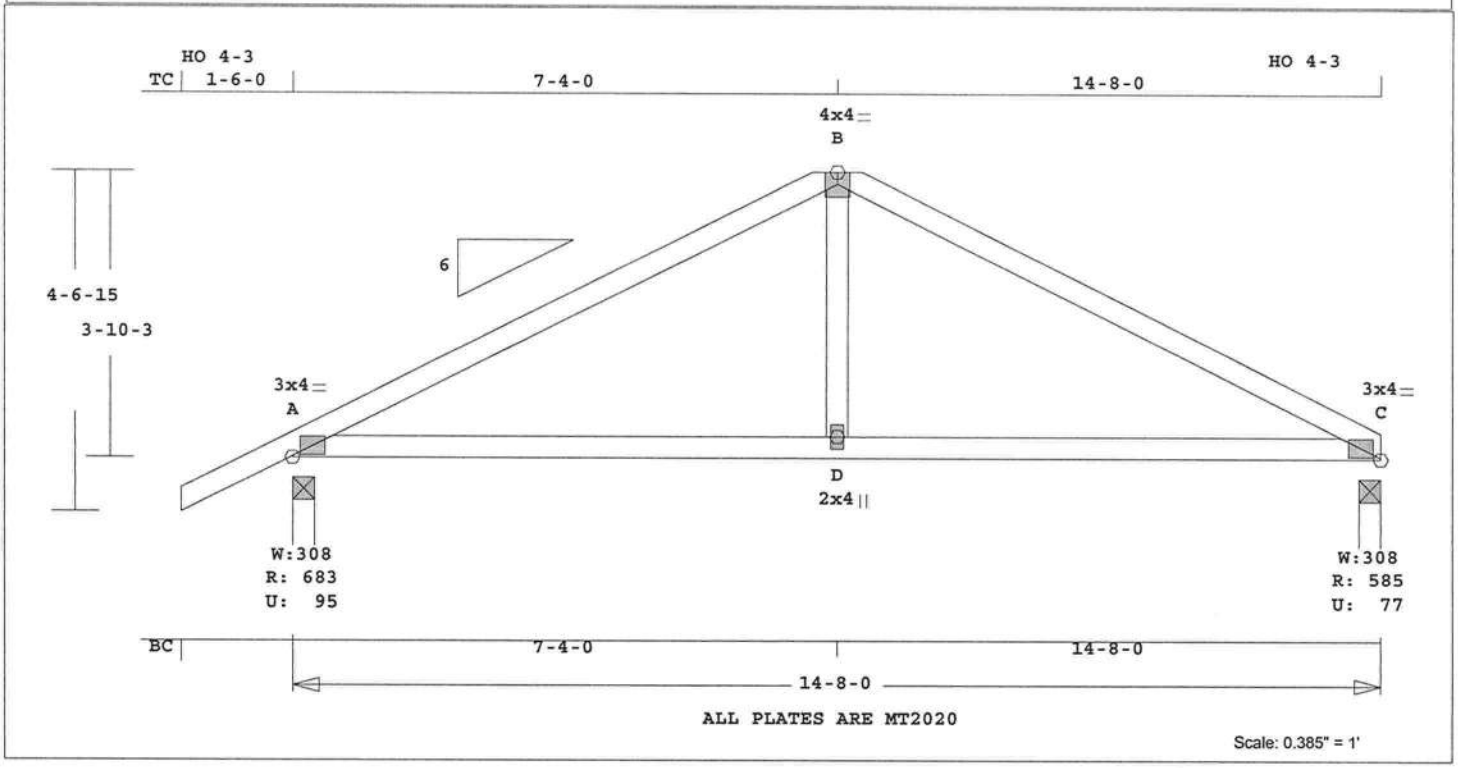
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	C3	1	SP	140800	6	1- 6- 0	0	T3734677

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 68.5 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.39	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
WB	0.05	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	14- 8- 0
BC	Cont.	0- 0- 0	14- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	684	95 U	61 R
C	586	78 U	61 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 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.38	731 C	0.01 0.37
B -C	0.39	731 C	0.01 0.38
--------Bottom Chords---------			
A -D	0.42	659 T	0.11 0.31
D -C	0.42	659 T	0.11 0.31
------------Webs------------			
D -B	0.05	332 T	

TL Defl -0.11" in D -C L/999
LL Defl -0.04" in D -C L/999
Shear // Grain in A -B 0.25

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 4.0	Ctr	Ctr	0.52
B	MT20	4.0x 4.0	Ctr	-0.1	0.44
C	MT20	3.0x 4.0	Ctr	Ctr	0.52
D	MT20	2.0x 4.0	Ctr	Ctr	0.30

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 731 Lbs
Max tens. force 659 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.



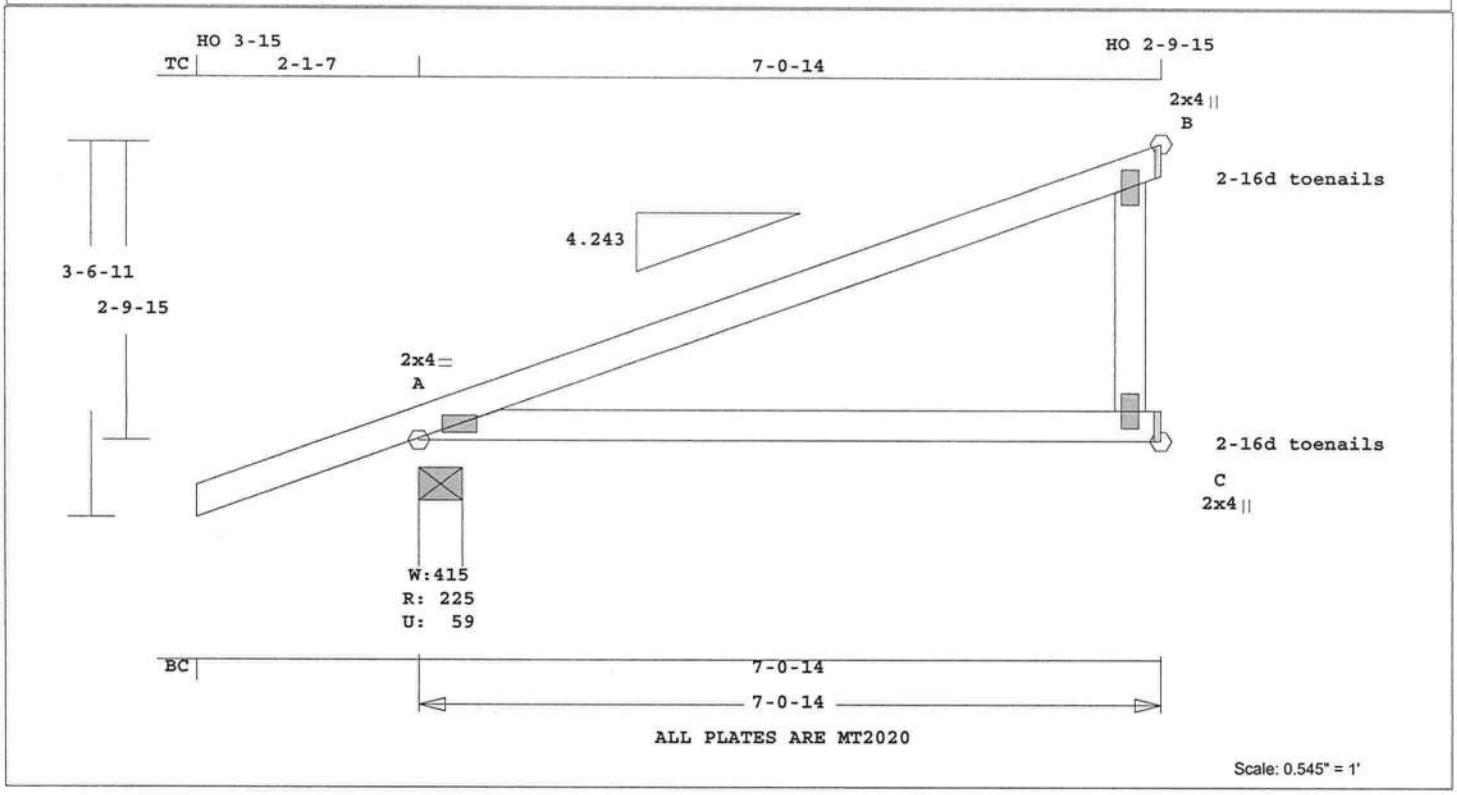
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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	CJ2	2	MONO.DD	70014	4.243	2- 1- 7	0	T3734678

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 36.1 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.41	2x 4	SP-#2
BC	0.24	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0-14
BC	Cont.	0- 0- 0	7- 0-14

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	225	60 U	59 R
C	123		
B	192	64 U	71 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	3.5"	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	20	40	0.0'	7.1'
BC V	20	0	0.0'	7.1'
TC V	-20	-40	0.0'	
	8	17		7.1'
BC V	-20	0	0.0'	
	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----------			
A -B	0.41	45 C	0.00 0.41
--------Bottom Chords---------			
A -C	0.24	66 T	0.00 0.24
------------Webs------------			
C -B	0.02	0 T	WindLd

TL Defl -0.12" in A -C L/617
LL Defl -0.05" 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	2.0x 4.0	Ctr	Ctr	0.72
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.

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 50 Lbs
Max tens. force 66 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.



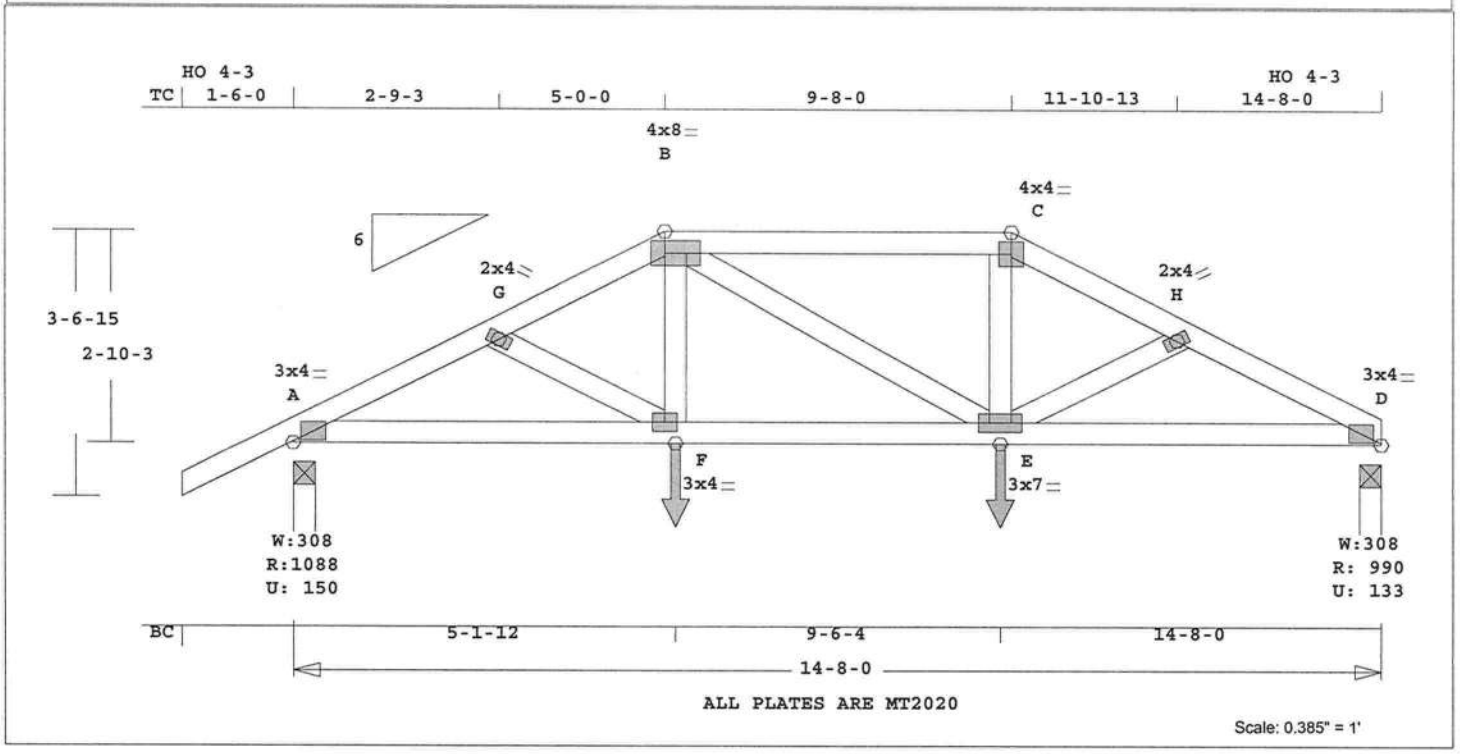
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May 6,2010

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Job	Mark	Quan	Type	Spun	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	C4GIR	1	HIPP	140800	6	1- 6- 0	0	T3734679

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 88.6 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	Size	Lumber
TC	0.44	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.07	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	14- 8- 0
BC	Cont.	0- 0- 0	14- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1088	150 U	41 R
D	990	133 U	41 R

Jt	Brg Size	Required
A	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	20	40	0.0'	14.7'
BC V	20	0	0.0'	14.7'
TC V	15	30	5.0'	9.7'
BC V	15	0	5.1'	9.5'
BC V	133	133	5.1'	CL-LB
BC V	133	133	9.5'	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 -G	0.24	1743 C	0.15 0.09
G -B	0.29	1705 C	0.02 0.27
B -C	0.44	1562 C	0.02 0.42
C -H	0.26	1712 C	0.14 0.12
H -D	0.23	1763 C	0.15 0.08
Bottom Chords			
A -F	0.34	1529 T	0.28 0.06
F -E	0.39	1544 T	0.28 0.11
E -D	0.35	1550 T	0.28 0.07
Webs			
G -F	0.01	101 T	
F -B	0.06	420 T	
B -E	0.01	40 T	
E -C	0.07	427 T	
E -H	0.01	116 T	

TL Defl -0.12" in F -E L/999
LL Defl -0.05" in F -E L/999
Shear // Grain in B -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 4.0	Ctr	Ctr	0.97
G	MT20	2.0x 4.0	Ctr	Ctr	0.12
B	MT20	4.0x 8.0	Ctr	Ctr	0.58
C	MT20	4.0x 4.0	Ctr	Ctr	0.58
H	MT20	2.0x 4.0	Ctr	Ctr	0.12
D	MT20	3.0x 4.0	Ctr	Ctr	0.98
F	MT20	3.0x 4.0	Ctr	Ctr	0.32
E	MT20	3.0x 7.0	Ctr	Ctr	0.19

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1763 Lbs
Max tens. force 1550 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.



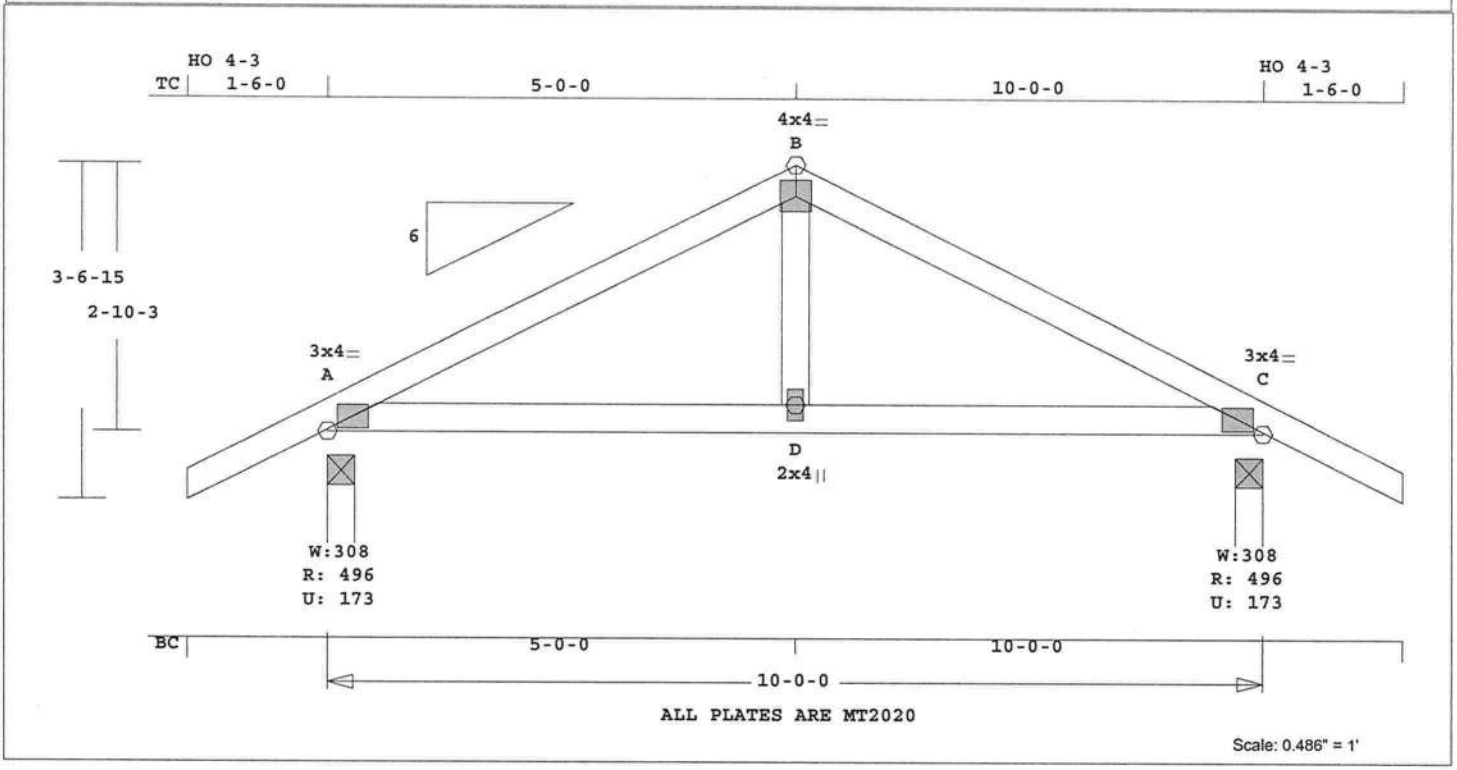
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	D1	3	TR	100000	6	1- 6- 0	1- 6- 0	T3734680

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 51.1 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.31	2x 4	SP-#2
BC	0.24	2x 4	SP-#2
WB	0.03	2x 4	SP-#2

Brace truss as follows:

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	496	173 U	41 R
C	496	173 U	41 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 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.31	790 T	0.10	0.21
B -C	0.31	790 T	0.10	0.21
--------Bottom Chords---------				
A -D	0.24	595 C	0.00	0.24
D -C	0.24	595 C	0.00	0.24
-------------Webs-------------				
D -B	0.03	344 C		

TL Defl -0.03" in A -D L/999
LL Defl -0.01" in A -D L/999

Shear // Grain in A -B 0.21

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 4.0	Ctr	Ctr	0.52
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
C	MT20	3.0x 4.0	Ctr	Ctr	0.52
D	MT20	2.0x 4.0	Ctr	Ctr	0.20

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf

User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 10- 0- 0
Max comp. force 595 Lbs
Max tens. force 790 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.



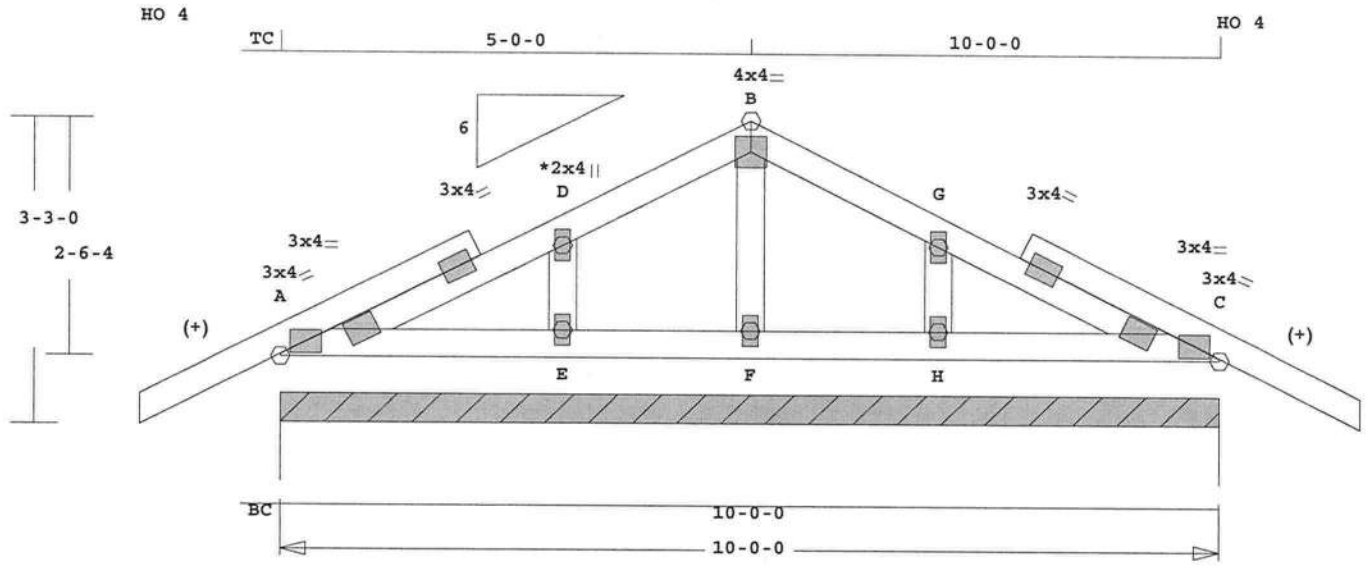
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May 6,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	D2GE	1	TR	100000	6	0	0	T3734681

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.488" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 60.3 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.07	2x 4	SP-#2(+)
BC	0.05	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	800	107 U	35 R

Jt	Brg Size	Required
A	120.0"	0"-to- 120"

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 -D	0.05	98 C	0.00		0.05
D -B	0.07	174 T	0.02		0.05
B -G	0.07	174 T	0.02		0.05
G -C	0.05	98 C	0.00		0.05
Bottom Chords					
A -E	0.05	8 T	0.00		0.05
E -F	0.03	0 T	0.00		0.03
F -H	0.03	0 T	0.00		0.03
H -C	0.05	8 T	0.00		0.05
Gable Webs					
E -D	0.03	237 T			
F -B	0.00	35 T			
H -G	0.03	237 T			

TL Defl 0.00" in H -C L/999
LL Defl 0.00" in H -C L/999
Shear // Grain in A -D 0.10

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 4.0	Ctr	Ctr	0.52
D	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 4.0	Ctr	Ctr	0.52
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:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00

Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 160 Lbs
Max tens. force 237 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.

PHILIP J. O'REGAN
LICENSE
No 58126
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

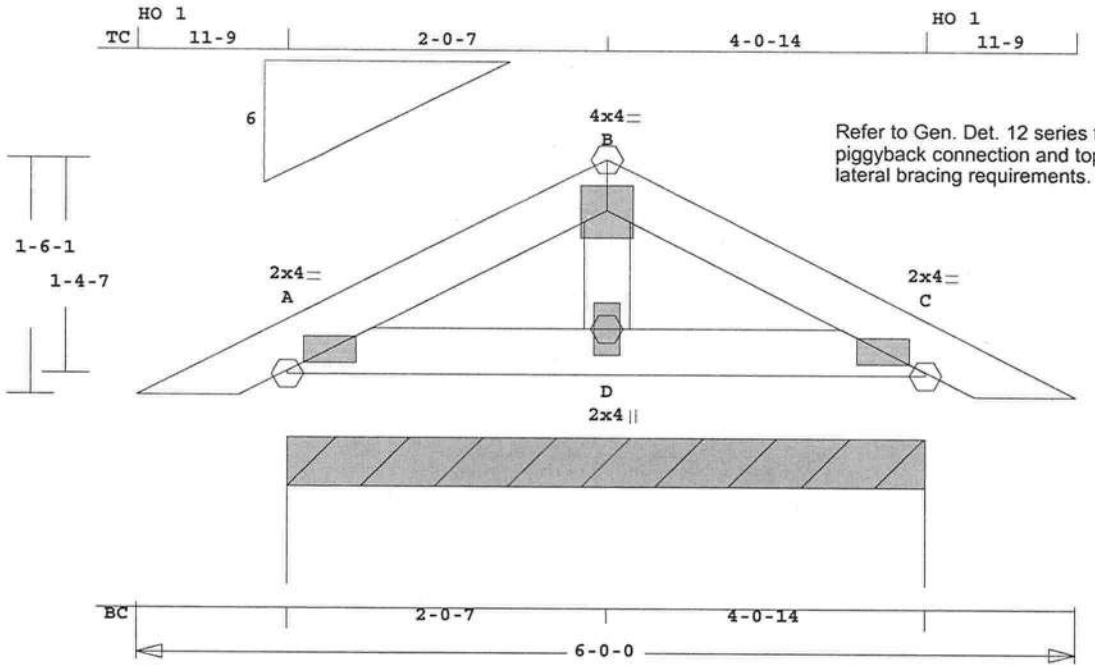
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May 6,2010

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Job	Mark	Quan	Type	Spcg	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	P1	3	TR	60000	6	11- 9	11- 9	T3734682

GRAND HEATHER-LEFT HAND



Refer to Gen. Det. 12 series for piggyback connection and top chord lateral bracing requirements.

ALL PLATES ARE MT2020

Scale: 0.812" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 21.8 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.04	2x 4	SP-#2
BC	0.02	2x 4	SP-#2
WB	0.01	2x 4	SP-#2

Brace truss as follows:

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	328	50 U	16 R

Jt	Brg Size	Required
A	48.9"	0"-to- 49"

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	0.04	105 T	0.01 0.03
B -C	0.04	105 T	0.01 0.03
Bottom Chords			
A -D	0.02	3 T	0.00 0.02
D -C	0.02	3 T	0.00 0.02
Webs			
D -B	0.01	77 T	

TL Defl 0.00" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.08

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	2.0x 4.0	Ctr	Ctr	0.65
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
C	MT20	2.0x 4.0	Ctr	Ctr	0.65
D	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:
Mayo Truss Co. Inc.
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.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed

TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 67 Lbs
Max tens. force 105 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.

PHILIP J. O'REGAN
LICENSE
No 58126
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

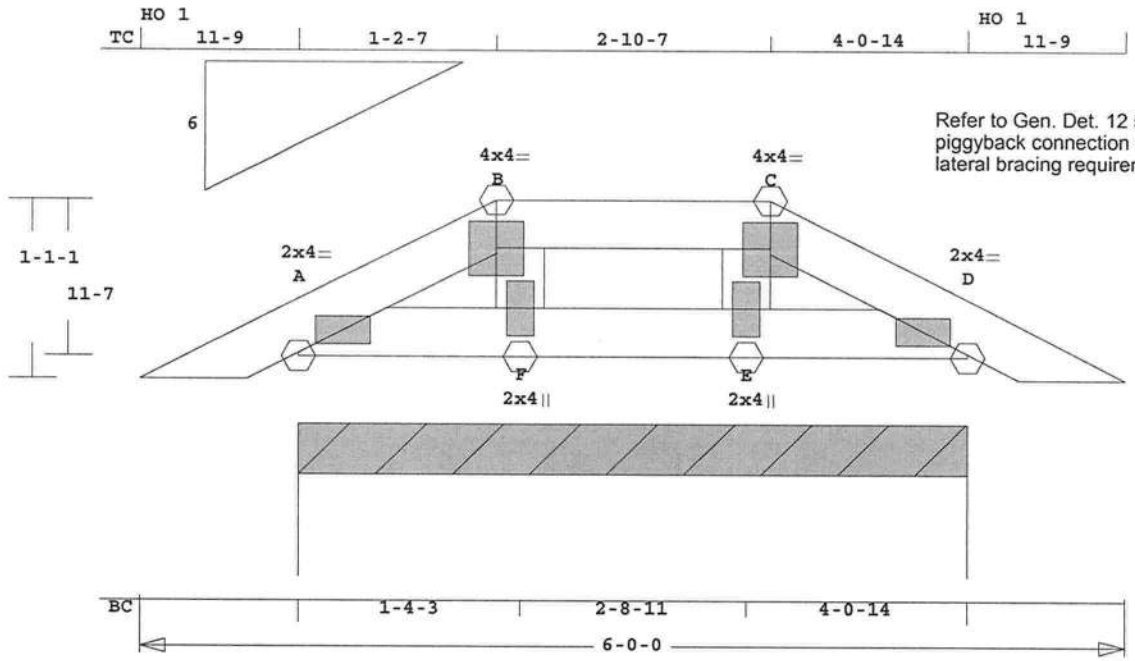
FL Cert. 6634

May 6,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	P2	2	HIPP	60000	6	11- 9	11- 9	T3734683

GRAND HEATHER-LEFT HAND



Refer to Gen. Det. 12 series for piggyback connection and top chord lateral bracing requirements.

ALL PLATES ARE MT2020

Scale: 0.852" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 21.4 LBS

Online Plus -- Version 26.5.027
RUN DATE: 06-MAY-10

	CSI	-Size-	----Lumber----
TC	0.01	2x 4	SP-#2
BC	0.00	2x 4	SP-#2
WB	0.01	2x 4	SP-#2

Brace truss as follows:

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	328	50 U	9 R

Jt	Brg Size	Required
A	48.9"	0"-to- 49"

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	0.00	46 T		
B -C	0.01	64 T	0.00	0.01
C -D	0.00	46 T		
Bottom Chords				
A -F	0.00	1 T		
F -E	0.00	0 T		
E -D	0.00	1 T		
Webs				
F -B	0.01	97 T		
E -C	0.01	97 T		

TL Defl 0.00" in F -E L/999
LL Defl 0.00" in F -E L/999
Shear // Grain in B -C 0.05

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	2.0x 4.0	Ctr	Ctr	0.65
B	MT20	4.0x 4.0	Ctr	Ctr	0.58
C	MT20	4.0x 4.0	Ctr	Ctr	0.58
D	MT20	2.0x 4.0	Ctr	Ctr	0.65
F	MT20	2.0x 4.0	Ctr	Ctr	0.12
E	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:
Mayo Truss Co. Inc.
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.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 60 Lbs
Max tens. force 97 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

May 6,2010

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ONLINE PLUS GENERAL NOTES & SYMBOLS

108

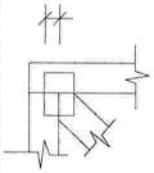
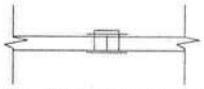


PLATE LOCATION

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.

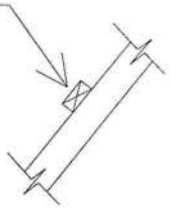
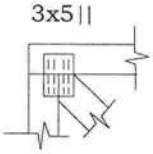


PLATE SIZE AND ORIENTATION

3x5||



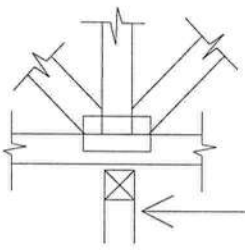
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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).

6-08-08

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®
POWER TO PERFORM.™

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

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

Split Oak Vent-Free Gas Log Heaters



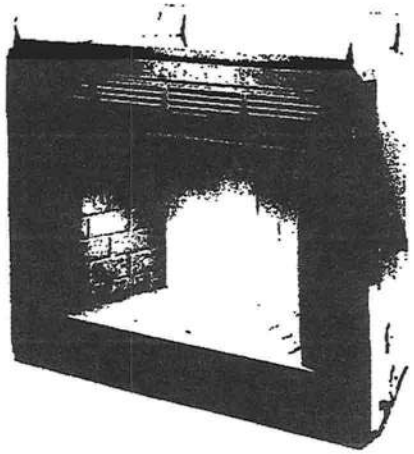
Split Oak Logs feature multicolored logs with rich bark texture, realistic flames, glowing coals, natural looking charred areas plus a unique multi-log three-piece design.

Vanguard's Split Oak Vent-Free Gas Log Heater is available in a new 36" log set. All log sets are available in variable manually, thermostatically controlled and remote "ready" models. The multicolored ceramic fiber logs with ChaRealistic® char-glow design radiate warmth into your living area. The 99% heating efficient vent-free dual burn design puts the heat into the room, not up the chimney.

- **Beautifully crafted glow logs**
- **18", 24", 30" and 36" models**
- **Manual control, thermostatic or remote "ready"**

Split Oak Logs

Log Size	Model Number Natural	Model Number Propane	Comfort Setting	Btu Output	Shipping Wt.
Variable Manually Controlled Models					
18"	NVS18NV	NVS18PV	Low to High	16,000 to 26,000	26.0 lbs.
24"	NVS24NV	NVS24PV	Low to High	20,000 to 33,000	28.0 lbs.
30"	NVS30NV	NVS30PV	Low to High	21,500 to 36,000	30.0 lbs.
36"	NVS36NV	NVS36PV	Low to High	21,500 to 36,000	32.0 lbs.
EmberStat® Thermostatically Controlled Models					
18"	NVS18NT	NVS18PT	Low to High	16,000 to 26,000	26.0 lbs.
24"	NVS24NT	NVS24PT	Low to High	20,000 to 33,000	28.0 lbs.
30"	NVS30NT	NVS30PT	Low to High	21,500 to 36,000	30.0 lbs.
36"	NVS36NT	NVS36PT	Low to High	21,500 to 36,000	32.0 lbs.
Remote Control "Ready" Models					
18"	NVS18NR	NVS18PR	Low to High	16,000 to 26,000	32.0 lbs.
24"	NVS24NR	NVS24PR	Low to High	20,000 to 33,000	34.0 lbs.
30"	NVS30NR	NVS30PR	Low to High	21,500 to 36,000	36.0 lbs.
36"	NVS36NR	NVS36PR	Low to High	21,500 to 36,000	38.0 lbs.

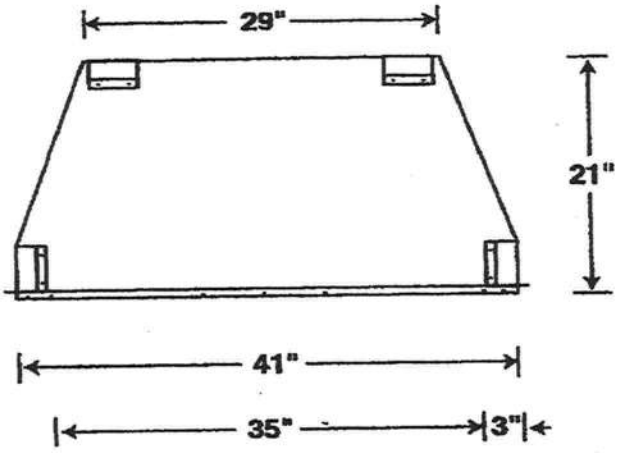


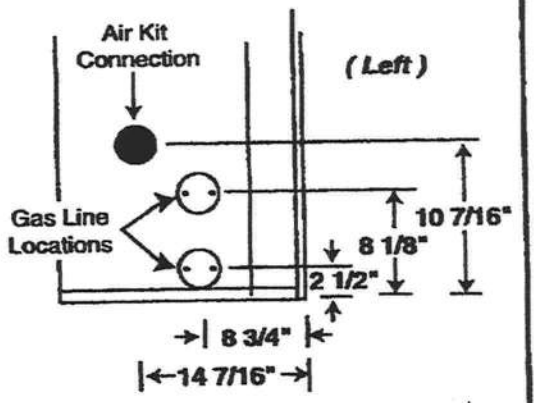
LogMate™ Fireboxes: The Perfect Spot For Your Vanguard Gas Log Heater

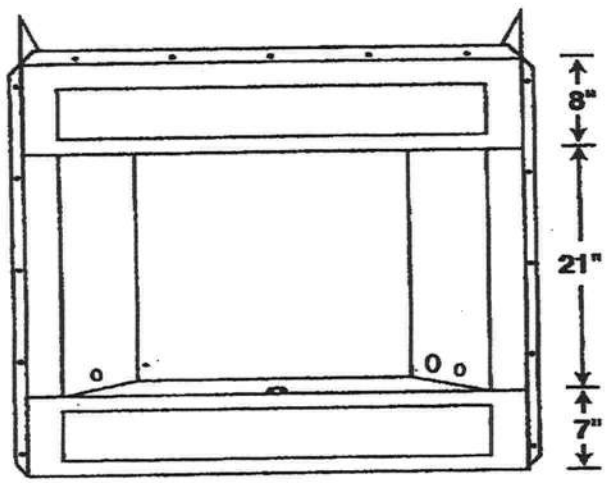
Vanguard's Vent-Free LogMate Fireboxes allow you to enjoy the beauty of a fireplace along with the warmth and efficiency of a vent-free gas space heater. All standard LogMate Fireboxes are offered in two styles: The heat circulating models feature louvers and can be fitted with an optional blower; the smooth faced non-circulating models are ideal for custom trim applications such as stone or marble.

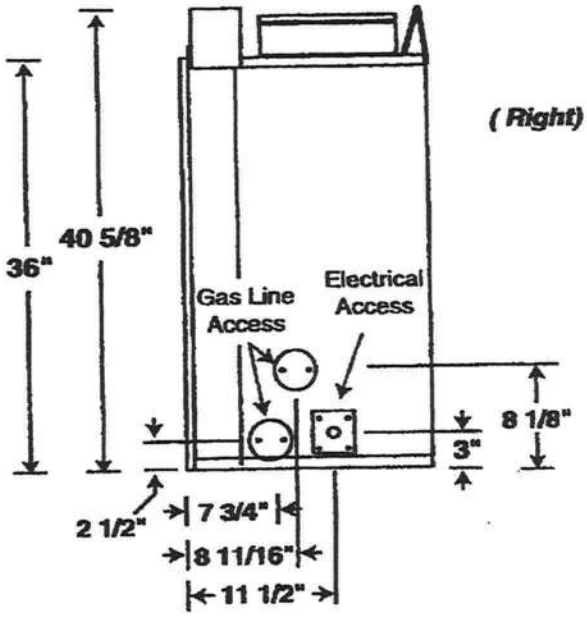
Performance Line

36" *Vent Free Fireplace*







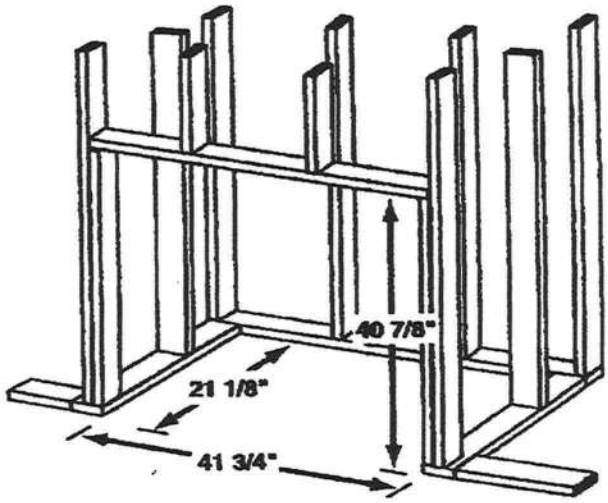


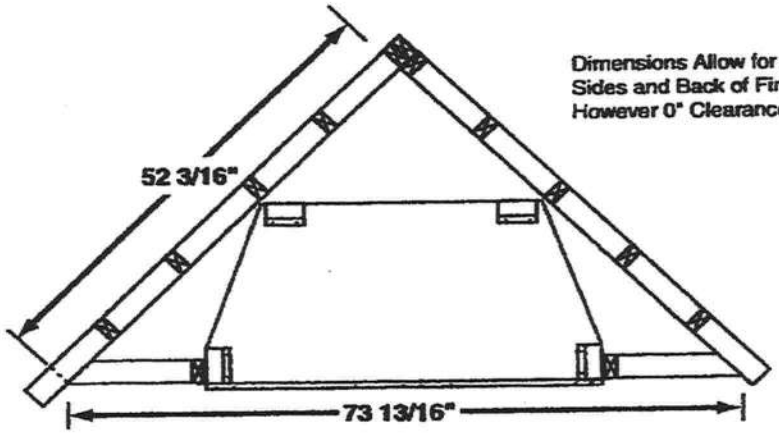
VANGUARD

Performance Line

36" *Vent Free Fireplace*

Framing Dimensions





Dimensions Allow for 3/4" Clearance at Sides and Back of Fireplace (recommended) However 0" Clearance is Permitted.

NOTE:
Built-in Features Such as Mantels, Bookshelfs, etc. Made of Combustible Materials Must Maintain Minimum Clearances from the Fireplace. See Installation Instructions for Complete Information

VANGUARD

FA 6098

Cal-Tech Testing, Inc.
FOUNDATIONS • ASPHALT • SOILS • CONCRETE
ENGINEERING • GEOTECHNICAL • ENVIRONMENTAL

CAL-TECH TESTING, INC.
ENGINEERING & TESTING
LABORATORY
P.O. Box 1625 • Lake City, FL 32056 • (386) 755-3633 • Fax (386) 752-5456

4784 Rosselle St
Jacksonville, FL 32254
(904) 381-8901 • Fax (904) 381-8902

#28615

REPORT OF DAILY CONSTRUCTION TESTING AND MONITORING

Client LDM Const.
Project Charles Waite Residence
Contractor LDM Const.

Date 6-3-10
Job. No
Technician D. Wimpy

WORK ORDER:

☑ DENSITY
Spec's: 95%
Test No.: 1-3
Inches: 12"

☐ CONCRETE
☐ Cylinders
☐ Beams
☐ Prisms
☐ Pick-Up
Set No.

☐ Pick-Up Proctor

☐ Pick-Up LBR

DESCRIPTION OF DAYS ACTIVITIES:

I shot 3 FDT's on the building pad slab on grade and documented the results. All tests were passing. 95%, 96%, & 97%.

Time In:
Time Out:

FDT's Performed 3
Cyls Cast/Cal-Tech
Cyls Cast/Client
Beams Cast/Cal-Tech:

Weather: Clear
Hours Worked:
Other Tests:

Hours Travel:
Miles Travel:
Hours Standby:
Hours O.T.:

FIELD REPRESENTATIVE

CLIENT REPRESENTATIVE

ARROW EXTERMINATORS
TERMITE AND PEST CONTROL

5602 N.W. 13th STREET
GAINESVILLE, FLORIDA 32653-2198

P.O. BOX 5875
GAINESVILLE, FLORIDA 32627-5875

PHONE (352) 373-3642
FAX (352) 373-9037

PERMIT #28615
CHARLES WAITE

CERTIFICATE OF PROTECTIVE TREATMENT

Builder: L & M Construction

Date: 11-4-10 Time: 4:30 AM PM

Site Location: 1004 SW Acie James Rd

Area Treated: Pad & Fill

Product Used: Talstar Pro Chemical Used: Fipronil

% Concentration: .06 % # Gallons Used: 10

Applicator: Dwayne L. Brown

PERMANENT NOTICE OF TERMITES PROTECTION

(as required by Florida Building Code (FBC) 104.2.7)

ARROW EXTERMINATORS, INC
(352) 373-3642

The structure has been treated for the prevention of subterranean termites by the above named company. An annual inspection and a renewal of the annual termite protection contract is necessary for continued protection. Call the phone number above for inspection and contract renewal.

1004 SW Acie James Rd
Address of Treatment or Lot/Block of Treatment

PERMIT #28615 WAITE

www.avery.com
1-800-GO-AVERY

Impression antibourrage et à séchage rapide
Utilisez le gabarit 5164^c

ARROW EXTERMINATORS
Beyond The Call.

CERTIFICATE OF COMPLIANCE OF TERMITE PROTECTION

(as required by Florida Building Code (FBC) 1816.1.7)

ARROW EXTERMINATORS, INC
(352) 373-3642

LDM Const, 1004 SW Acie James Road, High Springs, Fl

Address of Treatment or Lot/Block of Treatment

Soil Barrier

Method of Termite Prevention Treatment-soil barrier, wood treatment, bait system, other (describe)

The building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.

Authorized Signature

November 4, 2010
Date

P.O. Box 5875 • Gainsville, FL 32627-5875 • 5602 NW 13th Street • Gainesville, FL 32653
Office: 352-373-3642 • Fax: 352-373-9037

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 21-7S-16-10034-010 **Building permit No.** 000028615

Use Classification SFD/UTILITY **Fire:** 134.42

Permit Holder LEE A. HOLLOWAY **Waste:** 184.25

Owner of Building CHARLES WAITE **Total:** 318.67

Location: 1004 SW ACIE JAMES RD, HIGH SPRINGS, FL 32643

Date: 11/05/2010

Troy Crews

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

PERMIT #28615

RE: LDM-HEATHER -

MiTek Industries, Inc.
6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:
Customer Info: LDM Model: GRAND HEATHER-LEFT HAND
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

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 27.0.001
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 2 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
1	T3787402	T3	6/24/010
2	T3787403	T2	6/24/010

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

Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2011.

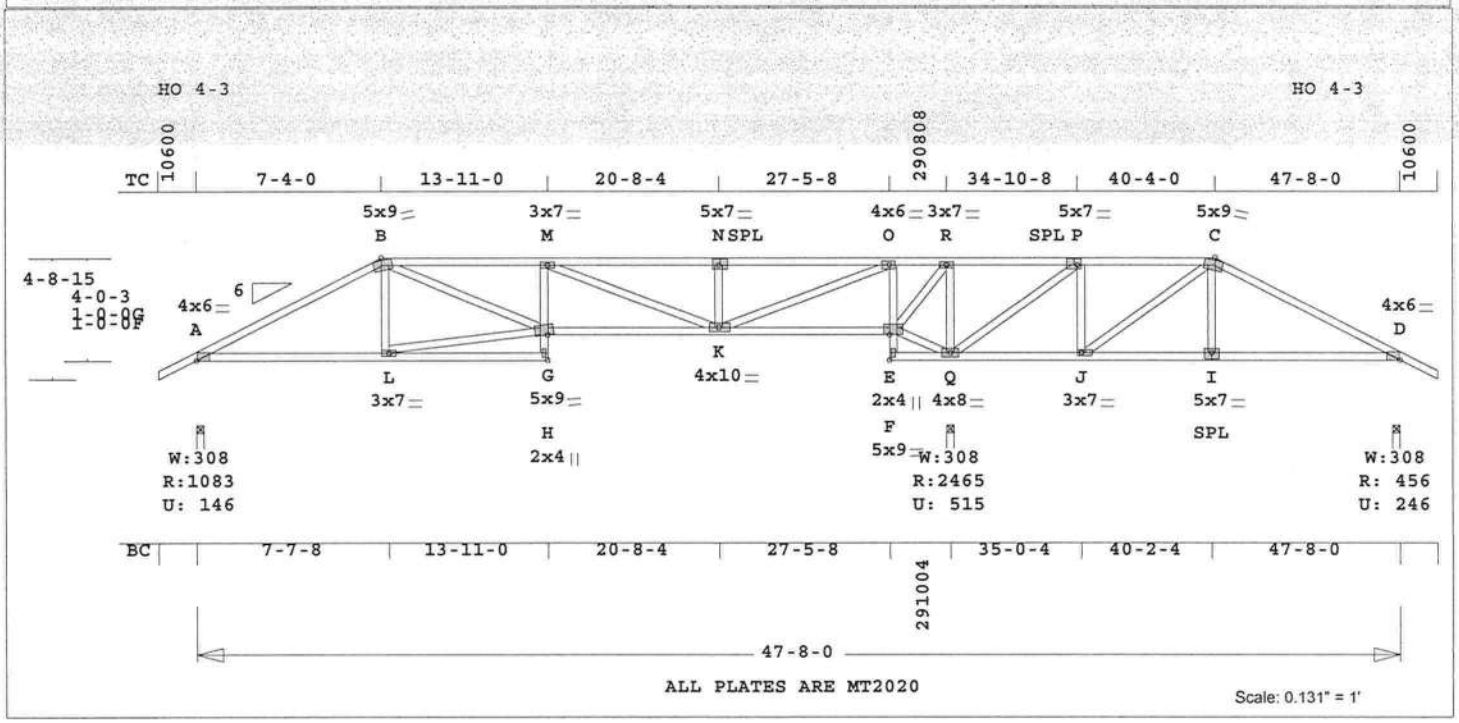
NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.



FL Cert. 6634
June 24,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	T3	1	SP	470800	6	1- 6- 0	1- 6- 0	T3787402

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 316.7 LBS

Online Plus -- Version 27.0.001
RUN DATE: 24-JUN-10

	CSI	Size	Lumber
TC	0.54	2x 4	SP-#2
BC	0.51	2x 4	SP-#2
CW	0.20	2x 4	SP-#2
WB	0.87	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 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	1083	146 U	81 R
Q	2465	516 U	
D	457	246 U	80 R

Jt	Brg Size	Required
A	3.5"	1.5"
Q	3.5"	2.6"
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 -B	0.49	1565 C	0.04		0.45
B -M	0.37	2193 C	0.03		0.34
M -N	0.45	1271 C	0.01		0.44
N -O	0.45	1271 C	0.01		0.44
O -R	0.54	1139 T	0.19		0.35
R -P	0.54	1656 T	0.27		0.27
P -C	0.34	466 T	0.07		0.27
C -D	0.46	685 T	0.09		0.37
Bottom Chords					
A -L	0.46	1398 T	0.23		0.23
L -H	0.31	69 T	0.00		0.31
G -K	0.51	2226 T	0.37		0.14
K -F	0.26	1131 C	0.00		0.26
E -Q	0.15	119 C	0.00		0.15
Q -J	0.15	466 C	0.00		0.15
J -I	0.29	502 C	0.01		0.28
I -D	0.32	509 C	0.03		0.29
Chord-Webs					
H -G	0.14	94 T	0.00		0.14
G -M	0.19	156 T	0.00		0.19
E -F	0.20	41 T	0.00		0.20
F -O	0.11	1257 C	0.11		0.00
Webs					
L -B	0.02	149 T			
L -G	0.26	1345 T			
B -G	0.15	859 T			
M -K	0.85	1026 C			
K -N	0.05	430 C			
K -O	0.79	2581 T			
F -R	0.14	810 T			
F -Q	0.21	1719 C			
Q -R	0.17	793 C			
Q -P	0.87	1466 C			
J -P	0.09	528 T			
J -C	0.47	795 C			
I -C	0.05	289 T			

TL Defl -0.36" in G -K L/968
LL Defl -0.14" in G -K L/999
Shear // Grain in M -N 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	4.0x 6.0	Ctr	0.1	0.41
B	MT20	5.0x 9.0	0.8	-3.5	0.55
M	MT20	3.0x 7.0	Ctr	Ctr	0.40
N	MT20	5.0x 7.0	Ctr	0.5	0.39
O	MT20	4.0x 6.0	-0.5	Ctr	0.82
R	MT20	3.0x 7.0	Ctr	Ctr	0.44
P	MT20	5.0x 7.0	Ctr	0.5	0.60
C	MT20	5.0x 9.0	-0.8	-3.5	0.46
D	MT20	4.0x 6.0	Ctr	0.1	0.36
L	MT20	3.0x 7.0	1.8	Ctr	0.62
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	5.0x 9.0	Ctr	0.6	0.58
K	MT20	4.0x10.0	0.5	Ctr	0.76
F	MT20	5.0x 9.0	Ctr	0.7	0.45
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
Q	MT20	4.0x 8.0	Ctr	Ctr	0.78
J	MT20	3.0x 7.0	Ctr	Ctr	0.30
I	MT20	5.0x 7.0	Ctr	-0.5	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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
29-10- 4 47- 8- 0
Max comp. force 2193 Lbs
Max tens. force 2581 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.



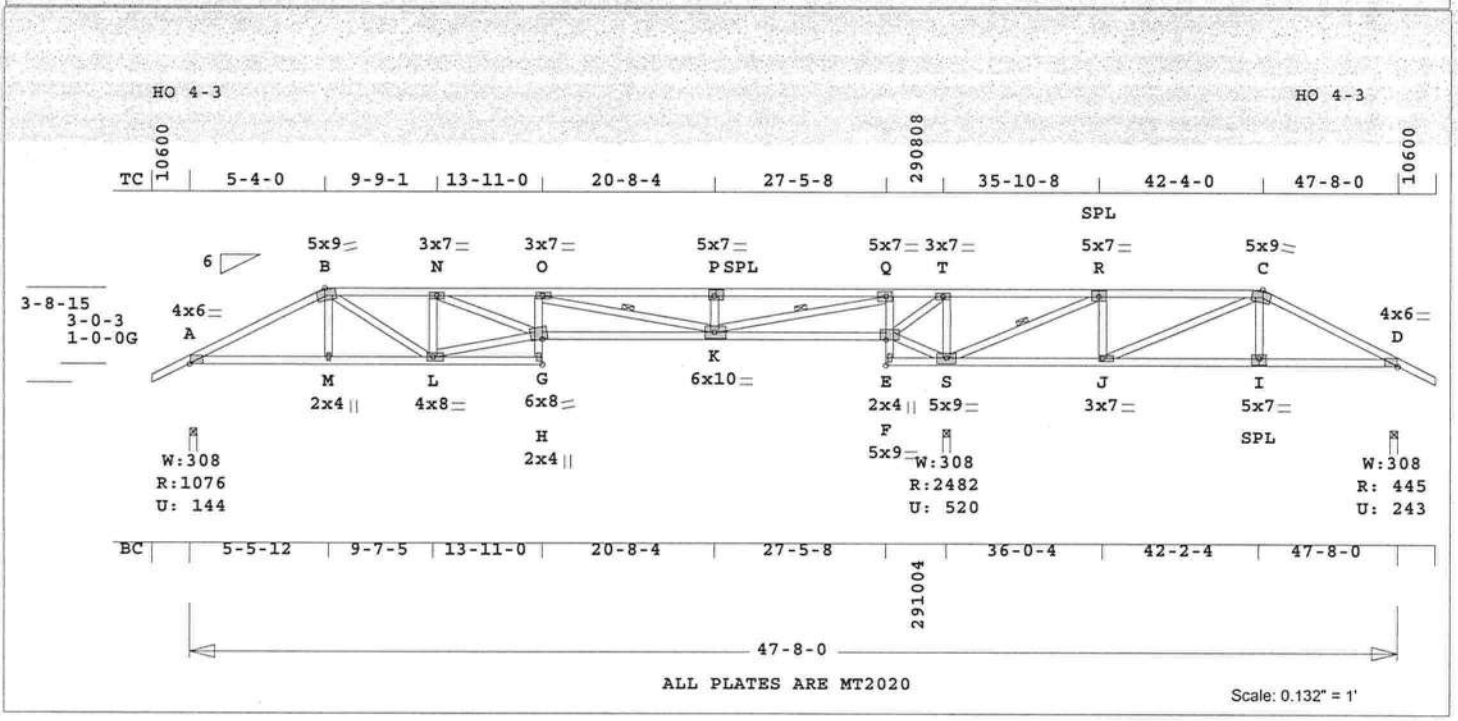
FL Cert. 6634

June 24,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	T2	1	SP	470800	6	1- 6- 0	1- 6- 0	T3787403

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 306.4 LBS

```
Online Plus -- Version 27.0.001
RUN DATE: 24-JUN-10

     CSI -Size- ----Lumber----
TC  0.81  2x 4  SP-#2
BC  0.76  2x 4  SP-#2
CW  0.28  2x 4  SP-#2
WB  0.71  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 47- 8- 0
 BC  Cont.     0- 0- 0 47- 8- 0
One Continuous Lateral Brace
  O -K    K -Q    S -R
Attach CLB with (2)-10d nails
  at each web.

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   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   1077   144 U     58 R
S   2483   521 U
D    446   243 U     57 R

Jt   Brg Size    Required
A        3.5"        1.5"
S        3.5"        2.6"
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 -B  0.29  1671 C  0.09  0.20
B -N  0.19  2077 C  0.11  0.08
N -O  0.30  3341 C  0.07  0.23
O -P  0.45  1904 C  0.05  0.40
P -Q  0.43  1904 C  0.02  0.41
Q -T  0.72  1852 T  0.31  0.41
T -R  0.81  2313 T  0.38  0.43
R -C  0.49   519 T  0.06  0.43
C -D  0.29   801 T  0.10  0.19
--------Bottom Chords---------
A -M  0.32  1493 T  0.25  0.07
M -L  0.29  1489 T  0.25  0.04
L -H  0.09   130 T  0.00  0.09
G -K  0.76  3417 T  0.57  0.19
K -F  0.33  1837 C  0.00  0.33
E -S  0.19   153 C  0.00  0.19
S -J  0.20   565 C  0.00  0.20
J -I  0.23   625 C  0.03  0.20
I -D  0.20   634 C  0.03  0.17
----------Chord-Webs----------
H -G  0.27    68 T  0.00  0.27
G -O  0.27   180 T  0.00  0.27
E -F  0.28    49 T  0.00  0.28
F -Q  0.11  1247 C  0.11  0.00
------------Webs-------------
M -B  0.02   179 T
B -L  0.12   696 T
L -N  0.10   753 C
L -G  0.36  2002 T
N -G  0.25  1368 T
O -K  0.33  1559 C        1 Br
K -P  0.04   429 C
K -Q  0.71  3856 T        1 Br
F -T  0.10   579 T
F -S  0.29  2380 C
S -T  0.07   548 C
S -R  0.40  2079 C        1 Br
J -R  0.07   483 T
J -C  0.52   778 C
I -C  0.03   238 T

TL Defl  -0.70" in G -K  L/503
LL Defl  -0.28" in G -K  L/999
Shear // Grain  in O -P   0.29

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  4.0x 6.0 Ctr 0.1 0.44
B  MT20  5.0x 9.0 0.8-3.5 0.46
N  MT20  3.0x 7.0 Ctr Ctr 0.56
O  MT20  3.0x 7.0 2.2-0.1 0.67
P  MT20  5.0x 7.0 Ctr 0.5 0.39
Q  MT20  5.0x 7.0-2.2-0.1 0.98
T  MT20  3.0x 7.0 Ctr Ctr 0.25
R  MT20  5.0x 7.0 Ctr 0.5 0.61
C  MT20  5.0x 9.0-0.8-3.5 0.47
D  MT20  4.0x 6.0 Ctr 0.1 0.36
M  MT20  2.0x 4.0 Ctr Ctr 0.34
L  MT20  4.0x 8.0 1.0 Ctr 0.78
H  MT20  2.0x 4.0 Ctr Ctr 0.58
G  MT20  6.0x 8.0 Ctr 1.0 0.89
K  MT20  6.0x10.0 0.5 Ctr 0.92
F  MT20  5.0x 9.0 Ctr 0.7 0.58
E  MT20  2.0x 4.0 Ctr Ctr 0.58
S  MT20  5.0x 9.0 Ctr Ctr 0.75
J  MT20  3.0x 7.0 Ctr Ctr 0.30
I  MT20  5.0x 7.0 Ctr-0.5 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:
  Mayo Truss Co. Inc.
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:  15-0
  Exposure  Category:     B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:          5.0 psf
  BC Dead Load:          5.0 psf
User-defined wind-exposed BC
  regions  --From--   ---To---
           29-10- 4   47- 8- 0
Max comp. force      3341 Lbs
Max tens. force      3856 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.
```

THOMAS A. ALBANI
LICENSE
No 39380
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL Cert. 6634

June 24,2010

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ONLINE PLUS GENERAL NOTES & SYMBOLS

108

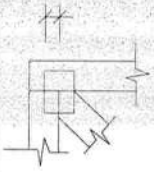
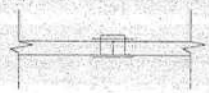


PLATE LOCATION

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.

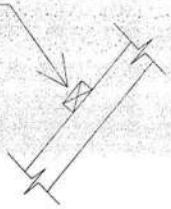
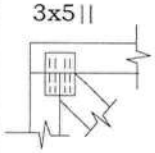


PLATE SIZE AND ORIENTATION

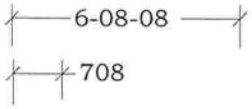
3x5||

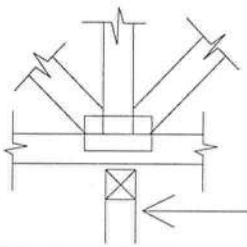


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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®
POWER TO PERFORM.™

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

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

Permit # 28615

RE: LDM-HEATHER - ROOF DESIGN INFO

MiTek Industries, Inc.
6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:
Customer Info: LDM Model: GRAND HEATHER-LEFT HAND
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

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 27.0.001
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 4 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
1	T3779305	A1	6/17/010
2	T3779306	A2	6/17/010
3	T3779307	A3	6/17/010
4	T3779308	A4	6/17/010

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

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2011.

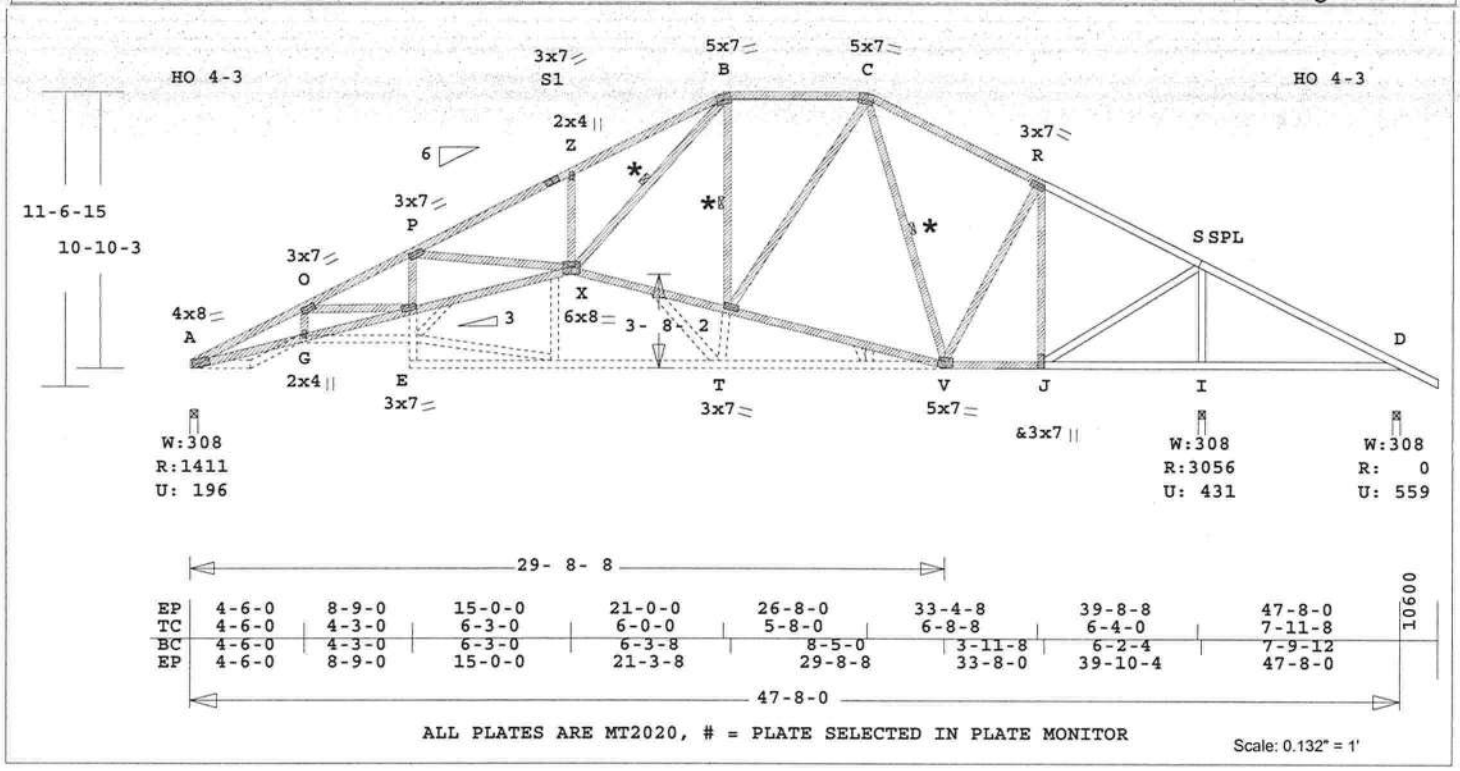
NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.



FL Cert. 6634
June 17,2010

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	*A1*	1	SP	470800	6	0	1- 6- 0	*T3779305*

GRAND HEATHER-LEFT HAND



This repair is applicable to drawing number(s) : T3779305, T3779506.
For all lumber, plates, etc. not shown, refer to the above drawing number(s).
Repair is based on information received from truss fabricator.
Truss must be in original, undeflected position prior to carrying out the repair.
Provide temporary support to the truss prior to carrying out the repair.

REPAIR PROBLEM:
(1) Need to modify the bottom chord profile as shown.

REPAIR SOLUTION:
Apply all nails so as to avoid damaging of lumber and loosening of plates at joints.
(A) Fabricate jack-scab (shaded) using lumber and plates indicated.
(B) Attach shop-fabricated jack-scab (shaded) to one face of truss using (2 rows) of 10d common nails at 4" on center in each row and staggered into all aligned members.
(C) Use a carbide tipped blade to cut and remove portion of truss shown dashed. All remaining plates must be intact and fully embedded.

(*) Note new bracing requirement.

JACK-SCAB LUMBER

TOP CHORD	2X4	SP-#2
BOTTOM CHORD	2X4	SP-#2
WEBS	2X4	SP-#2
EXCEPTIONS:		
[A-X]	2x4	SP-#1



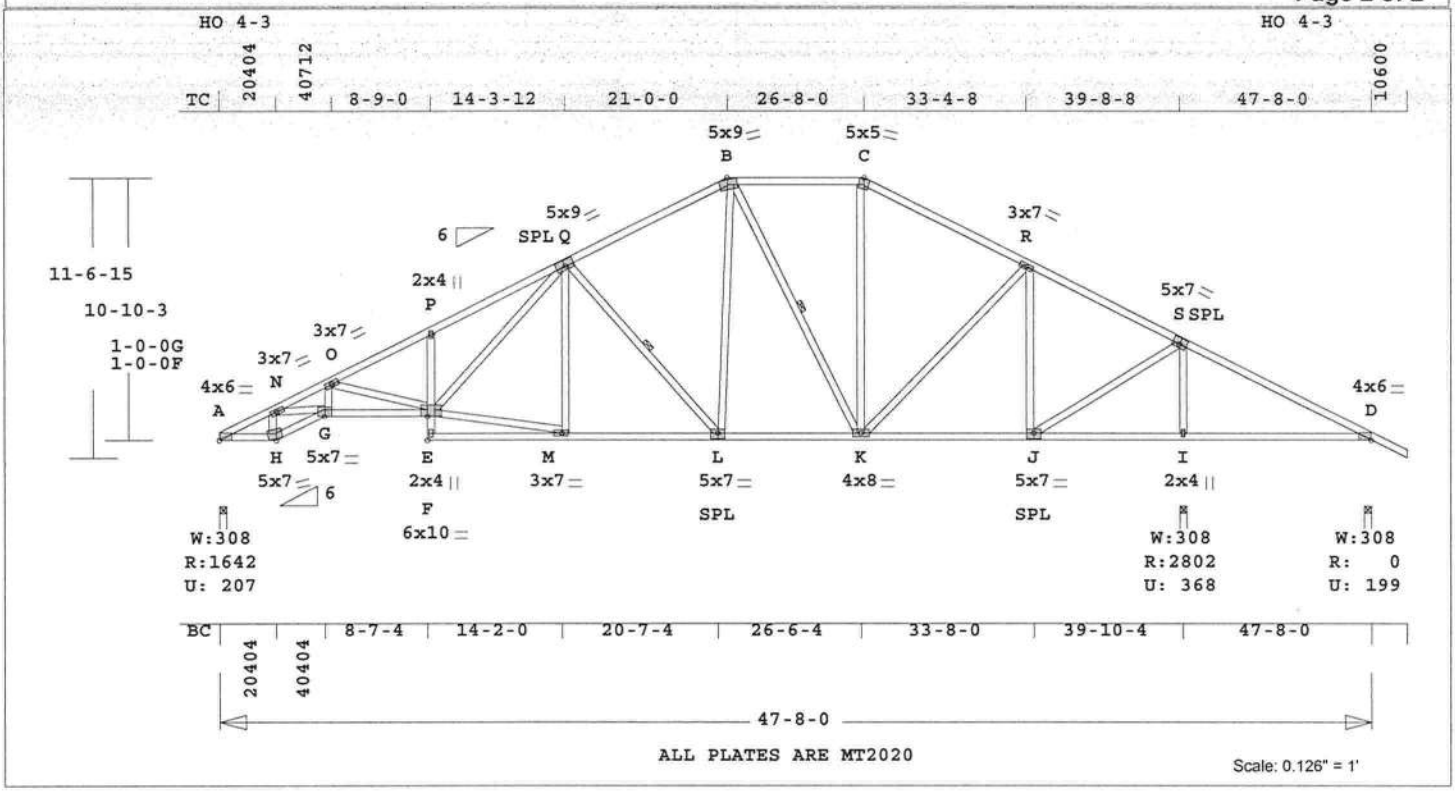
FL Cert. 6634

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June 17,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	A1	1	SP	470800	6	0	1- 6- 0	T3779305

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.126" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 384.6 LBS

Online Plus -- Version 27.0.001
RUN DATE: 17-JUN-10

	CSI	-Size-	----Lumber----
TC	0.79	2x 4	SP-#2
BC	0.85	2x 4	SP-#1
--	0.62	2x 4	SP-#2
	A -H	E -L	L -J J -D
CW	0.36	2x 4	SP-#2
WB	0.77	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
Q -L B -K
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1642	207 U	234 R
I	2803	369 U	
D		199 U	233 R

Jt	Brg Size	Required
A	3.5"	1.9"
I	3.5"	3.0"
D	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	0.23	3121 C	0.06 0.17
N -O	0.41	5708 C	0.24 0.17
O -P	0.38	3608 C	0.12 0.26
P -Q	0.53	3595 C	0.20 0.33
Q -B	0.44	1755 C	0.11 0.33
B -C	0.26	1299 C	0.01 0.25
C -R	0.42	1456 C	0.10 0.32
R -S	0.59	1021 C	0.00 0.59
S -D	0.79	1126 T	0.20 0.59
--------Bottom Chords---------			
A -H	0.62	2754 T	0.46 0.16
H -G	0.82	2986 T	0.39 0.43
G -F	0.85	4969 T	0.65 0.20
E -M	0.24	176 T	0.01 0.23
M -L	0.58	2137 T	0.35 0.23
L -K	0.53	1526 T	0.25 0.28
K -J	0.43	905 T	0.15 0.28
J -I	0.37	991 C	0.00 0.37
I -D	0.46	991 C	0.02 0.44
----------Chord-Webs----------			
E -F	0.36	84 T	0.00 0.36
F -P	0.16	307 C	0.00 0.16
------------Webs-------------			
H -N	0.11	1193 C	
N -G	0.43	2347 T	
G -O	0.24	1313 T	
O -F	0.53	1803 C	
F -Q	0.70	1623 T	
F -M	0.36	1993 T	
M -Q	0.10	166 T	
Q -L	0.31	855 C	1 Br
L -B	0.49	875 T	
B -K	0.27	500 C	1 Br
K -C	0.20	274 T	
K -R	0.10	561 T	
J -R	0.77	977 C	
J -S	0.47	2234 T	
I -S	0.65	2601 C	

TL Defl	-0.20" in I -D		L/445
LL Defl	-0.08" in I -D		L/999
Hz Disp	LL	DL	TL
Jt I	0.11"	0.13"	0.24"
Shear // Grain	in S -D		0.30

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	4.0x 6.0	Ctr	0.1	0.84
N	MT20	3.0x 7.0	0.4	0.2	0.80
O	MT20	3.0x 7.0	Ctr	Ctr	0.68
P	MT20	2.0x 4.0	Ctr	Ctr	0.33
Q	MT20	5.0x 9.0	-0.2	0.5	0.88
B	MT20	5.0x 9.0	0.8	-3.5	0.43
C	MT20	5.0x 5.0	-0.3	-3.2	0.35
R	MT20	3.0x 7.0	Ctr	Ctr	0.38
S	MT20	5.0x 7.0	0.2	0.5	0.87
D	MT20	4.0x 6.0	Ctr	0.1	0.36
H	MT20	5.0x 7.0	-0.8	3.2	0.67
G	MT20	5.0x 7.0	Ctr	-1.0	0.99
F	MT20	6.0x10.0	Ctr	1.2	0.90
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
M	MT20	3.0x 7.0	-2.2	0.1	0.83
L	MT20	5.0x 7.0	Ctr	-0.5	0.42
K	MT20	4.0x 8.0	Ctr	Ctr	0.29
J	MT20	5.0x 7.0	Ctr	-0.5	0.71
I	MT20	2.0x 4.0	Ctr	Ctr	0.87

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
39-10- 4 47- 8- 0
Max comp. force 5708 Lbs
Max tens. force 4969 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.



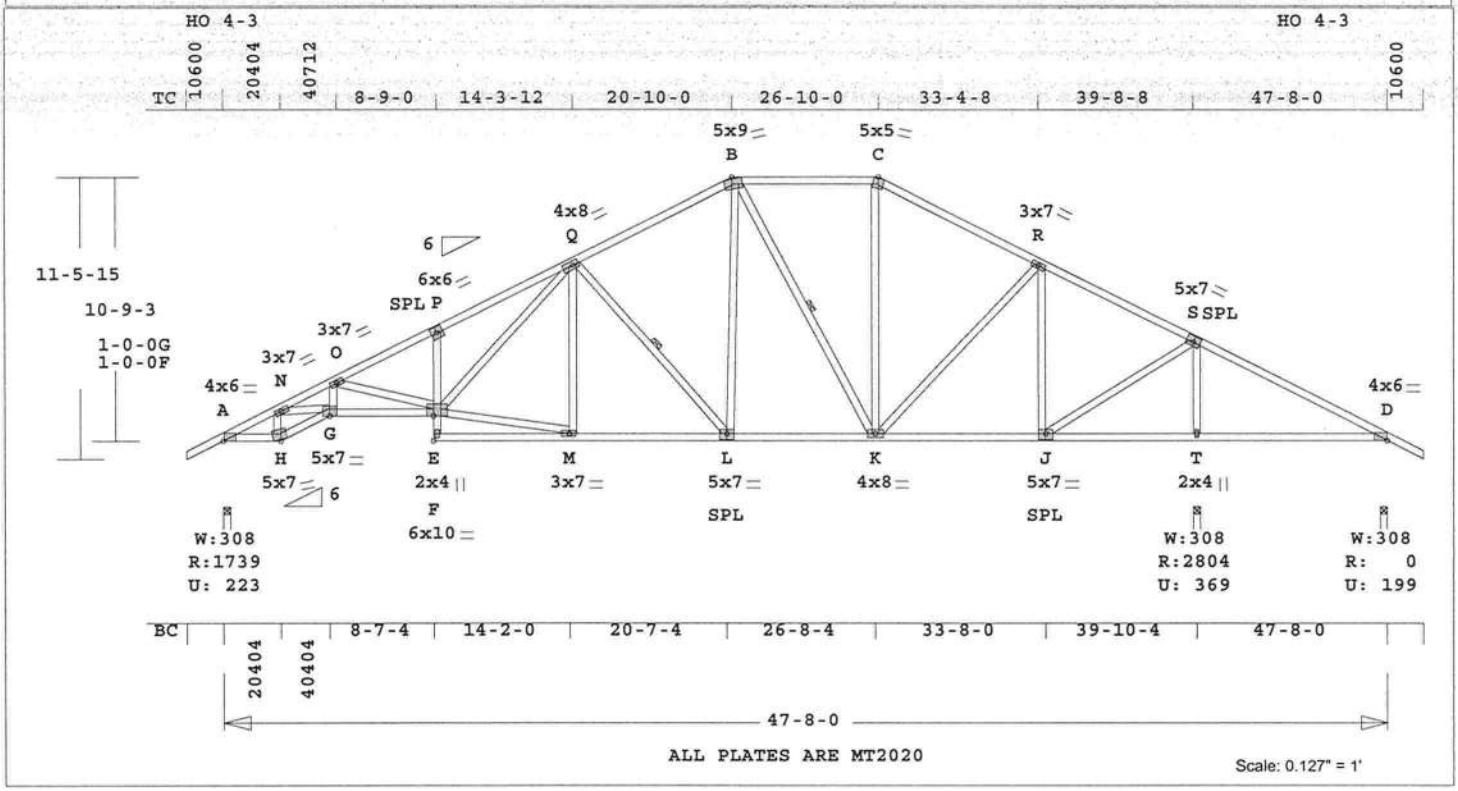
FL Cert. 6634

June 17,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	*A2*	1	SP	470800	6	1- 6- 0	1- 6- 0	*T3779306*

GRAND HEATHER-LEFT HAND



ALL PLATES ARE MT2020

Scale: 0.127" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 387.3 LBS

Online Plus -- Version 27.0.001
RUN DATE: 17-JUN-10

	CSI	-Size-	----Lumber----
TC	0.79	2x 4	SP-#2
BC	0.85	2x 4	SP-#1
--	0.62	2x 4	SP-#2
	A -H	E -L	L -J J -D
CW	0.36	2x 4	SP-#2
WB	0.77	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20-10- 0
TC	24.0"	20-10- 0	26-10- 0
TC	Cont.	26-10- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
Q -L B -K
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1739	224 U	232 R
T	2805	370 U	
D		200 U	232 R

Jt	Brg Size	Required
A	3.5"	2.1"
T	3.5"	3.0"
D	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	0.23	3109 C	0.06 0.17
N -O	0.41	5698 C	0.24 0.17
O -P	0.38	3606 C	0.12 0.26
P -Q	0.52	3595 C	0.20 0.32
Q -B	0.43	1758 C	0.11 0.32
B -C	0.33	1297 C	0.02 0.31
C -R	0.40	1453 C	0.10 0.30
R -S	0.59	1016 C	0.00 0.59
S -D	0.79	1130 T	0.20 0.59
--------Bottom Chords---------			
A -H	0.62	2742 T	0.46 0.16
H -G	0.82	2973 T	0.39 0.43
G -F	0.85	4960 T	0.65 0.20
E -M	0.24	176 T	0.01 0.23
M -L	0.59	2135 T	0.35 0.24
L -K	0.53	1544 T	0.25 0.28
K -J	0.43	900 T	0.15 0.28
J -T	0.37	994 C	0.00 0.37
T -D	0.46	994 C	0.02 0.44
----------Chord-Webs----------			
E -F	0.36	84 T	0.00 0.36
F -P	0.16	311 C	0.00 0.16
------------Webs-------------			
H -N	0.11	1190 C	
N -G	0.43	2349 T	
G -O	0.24	1308 T	
O -F	0.53	1795 C	
F -Q	0.70	1624 T	
F -M	0.36	1990 T	
M -Q	0.10	165 T	
Q -L	0.31	845 C	1 Br
L -B	0.47	875 T	
B -K	0.28	516 C	1 Br
K -C	0.18	272 T	
K -R	0.10	572 T	
J -R	0.77	982 C	
J -S	0.46	2232 T	
T -S	0.65	2601 C	

TL Defl	-0.20" in T	-D	L/447
LL Defl	-0.08" in T	-D	L/999
Hz Disp	LL	DL	TL
	Jt T 0.11"	0.13"	0.24"
Shear // Grain		in S -D	0.30

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	4.0x 6.0	Ctr	0.1	0.83
N	MT20	3.0x 7.0	0.4	0.2	0.80
O	MT20	3.0x 7.0	Ctr	Ctr	0.68
P	MT20	6.0x 6.0	Ctr	Ctr	0.41
Q	MT20	4.0x 8.0-0.9-0.4			0.71
B	MT20	5.0x 9.0	0.8-3.5		0.43
C	MT20	5.0x 5.0-0.3-3.2			0.35
R	MT20	3.0x 7.0	Ctr	Ctr	0.39
S	MT20	5.0x 7.0	0.2	0.5	0.87
D	MT20	4.0x 6.0	Ctr	0.1	0.36
H	MT20	5.0x 7.0-0.8		3.2	0.66
G	MT20	5.0x 7.0	Ctr-1.0		0.99
F	MT20	6.0x10.0	Ctr	1.2	0.90
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
M	MT20	3.0x 7.0-2.2		0.1	0.83
L	MT20	5.0x 7.0	Ctr-0.5		0.42
K	MT20	4.0x 8.0	Ctr	Ctr	0.29
J	MT20	5.0x 7.0	Ctr-0.5		0.71
T	MT20	2.0x 4.0	Ctr	Ctr	0.87

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:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
39-10- 4 47- 8- 0
Max comp. force 5698 Lbs
Max tens. force 4960 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.

PHILIP J. O'REGAN
LICENSE
No 58126
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

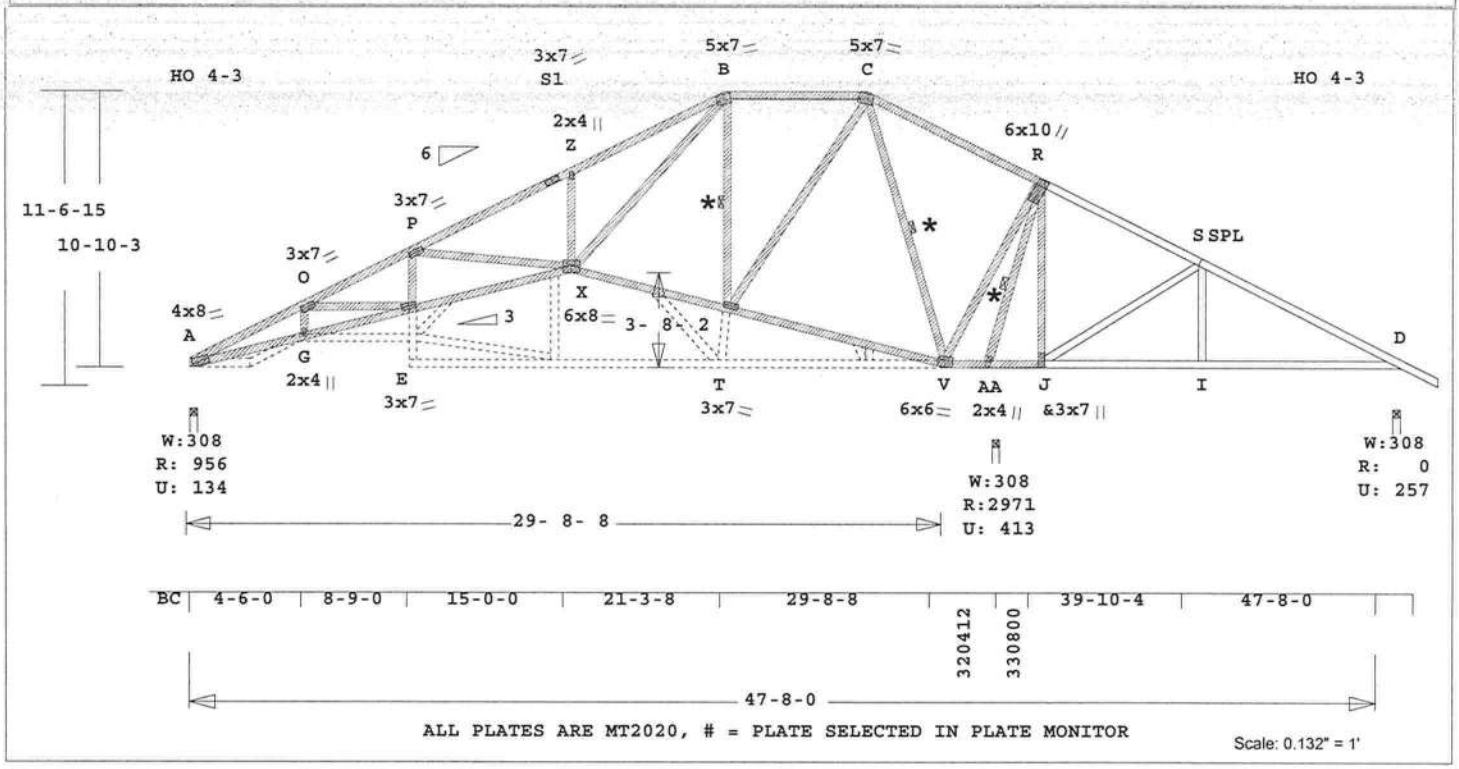
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June 17,2010

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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	*A3*	1	SP	470800	6	1- 6- 0	1- 6- 0	*T3779307*

GRAND HEATHER-LEFT HAND



For all lumber, plates, etc. not shown, refer to page 2 of this drawing.
Repair is based on information received from truss fabricator.
Truss must be in original, undeflected position prior to carrying out the repair.
Provide temporary support to the truss prior to carrying out the repair.

REPAIR PROBLEM:
(1) Need to modify the bottom chord profile as shown.

REPAIR SOLUTION:
Apply all nails so as to avoid damaging of lumber and loosening of plates at joints.
(A) Fabricate jack-scab (shaded) using lumber and plates indicated.
(B) Attach shop-fabricated jack-scab (shaded) to one face of truss using (2 rows) of 10d common nails at 4" on center in each row and staggered into all aligned members.
(C) Use a carbide tipped blade to cut and remove portion of truss shown dashed. All remaining plates must be intact and fully embedded.

(*) Note new bracing requirement.

JACK-SCAB LUMBER

TOP CHORD	2X4	SP-#2
BOTTOM CHORD	2X4	SP-#2
WEBS	2X4	SP-#2
EXCEPTIONS:		
[A-X]	2x4	SP-#1

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

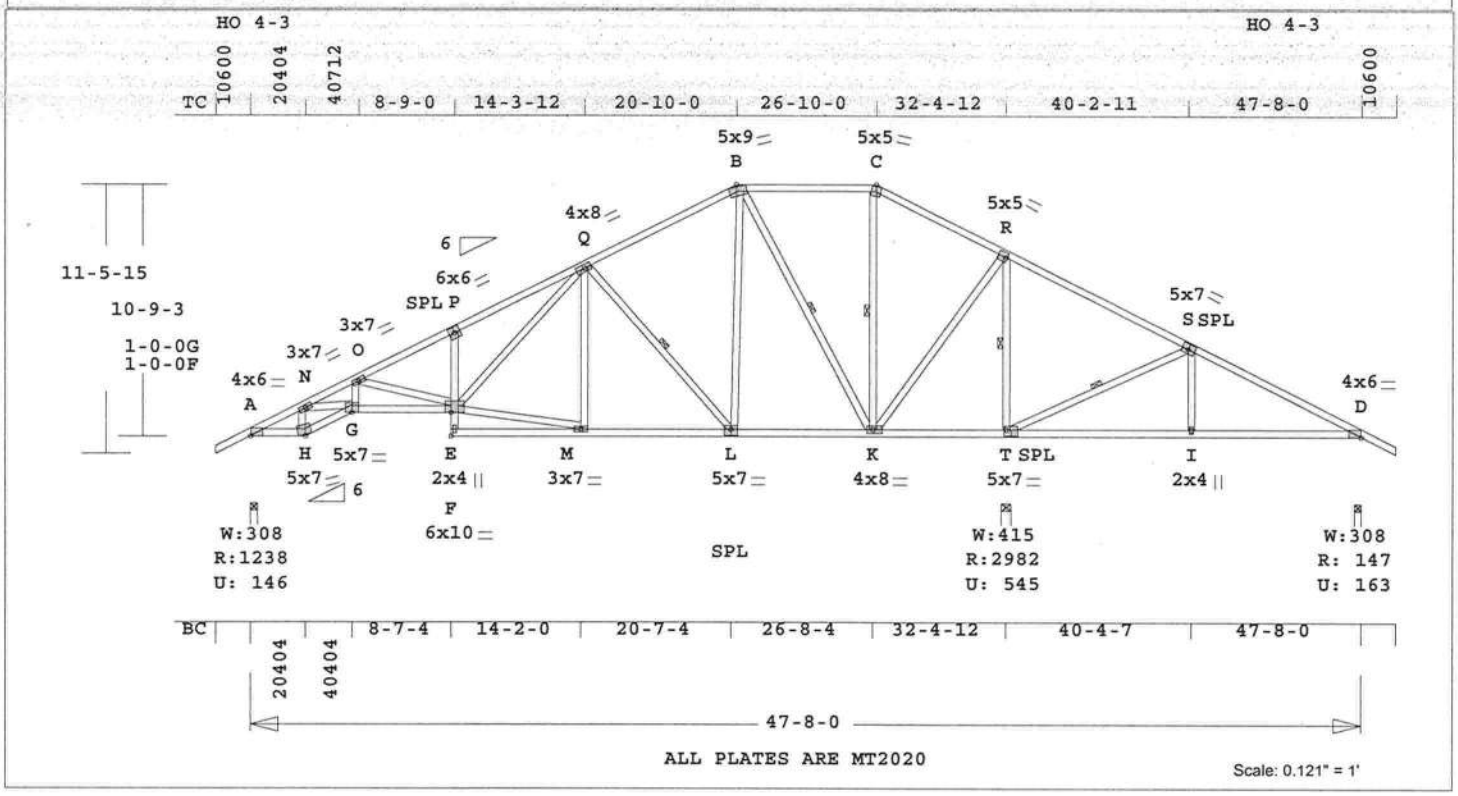
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June 17,2010

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A3	1	SP	470800	6	1- 6- 0	1- 6- 0	T3779307

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 389.9 LBS

```
Online Plus -- Version 27.0.001
RUN DATE: 17-JUN-10

     CSI -Size- ----Lumber----
TC  0.81  2x 4  SP-#2
BC  0.69  2x 4  SP-#2
CW  0.20  2x 4  SP-#2
WB  0.76  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 20-10- 0
 TC   24.0"   20-10- 0 26-10- 0
 TC  Cont.    26-10- 0 47- 8- 0
 BC  Cont.     0- 0- 0 47- 8- 0
One Continuous Lateral Brace
  Q -L   B -K   K -C   T -R
  T -S
Attach CLB with (2)-10d nails
  at each web.

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   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   1238   146 U   232 R
T   2983   546 U
D    147   164 U   232 R

Jt   Brg Size   Required
A       3.5"       1.5"
T       4.9"       3.3"
D       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  0.14  2102 C  0.10  0.04
N -O  0.21  3753 C  0.10  0.11
O -P  0.24  2219 C  0.10  0.14
P -Q  0.44  2210 C  0.12  0.32
Q -B  0.37   652 C  0.05  0.32
B -C  0.29   240 T  0.00  0.29
C -R  0.48   190 T  0.00  0.48
R -S  0.81  1186 T  0.18  0.63
S -D  0.71   411 T  0.08  0.63
--------Bottom Chords---------
A -H  0.42  1855 T  0.31  0.11
H -G  0.67  2013 T  0.33  0.34
G -F  0.69  3265 T  0.54  0.15
E -M  0.23    96 T  0.00  0.23
M -L  0.45  1151 T  0.19  0.26
L -K  0.35   551 T  0.09  0.26
K -T  0.28  1065 C  0.00  0.28
T -I  0.37   351 C  0.00  0.37
I -D  0.37   351 C  0.00  0.37
----------Chord-Webs----------
E -F  0.20    85 T  0.00  0.20
F -P  0.10   303 C  0.00  0.10
-------------Webs-------------
H -N  0.07   796 C
N -G  0.27  1502 T
G -O  0.16   904 T
O -F  0.39  1325 C
F -Q  0.53  1244 T
F -M  0.19  1071 T
M -Q  0.02   144 T
Q -L  0.32   857 C          1 Br
L -B  0.49   895 T
B -K  0.62  1105 C          1 Br
K -C  0.13   307 C          1 Br
K -R  0.76  1822 T
T -R  0.61  2435 C          1 Br
T -S  0.24   868 T          1 Br
I -S  0.06   338 T

TL Defl  -0.37" in E -M  L/999
LL Defl  -0.16" in G -F  L/999
Hz Disp   LL      DL      TL
  Jt T   0.07"   0.08"   0.14"
Shear // Grain  in R -S   0.29

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  4.0x 6.0 Ctr 0.1 0.56
N  MT20  3.0x 7.0 Ctr Ctr 0.56
O  MT20  3.0x 7.0 Ctr Ctr 0.47
P  MT20  6.0x 6.0 Ctr Ctr 0.38
Q  MT20  4.0x 8.0-0.4-0.2 0.68
B  MT20  5.0x 9.0 0.8-3.5 0.51
C  MT20  5.0x 5.0-0.3-3.2 0.35
R  MT20  5.0x 5.0 Ctr Ctr 0.80
S  MT20  5.0x 7.0 0.2 0.5 0.38
D  MT20  4.0x 6.0 Ctr 0.1 0.36
H  MT20  5.0x 7.0-0.8 3.2 0.45
G  MT20  5.0x 7.0 Ctr-1.0 0.65
F  MT20  6.0x10.0 Ctr 1.2 0.59
E  MT20  2.0x 4.0 Ctr Ctr 0.58
M  MT20  3.0x 7.0-1.8 Ctr 0.51
L  MT20  5.0x 7.0 Ctr-0.5 0.39
K  MT20  4.0x 8.0 1.0 Ctr 0.78
T  MT20  5.0x 7.0 Ctr-0.5 0.58
I  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.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
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:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
User-defined wind-exposed BC
  regions  --From--    ---To---
           32- 4-12   47- 8- 0
Max comp. force     3753 Lbs
Max tens. force     3265 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.
```

PHILIP J. O'REGAN
LICENSE
No 58126
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

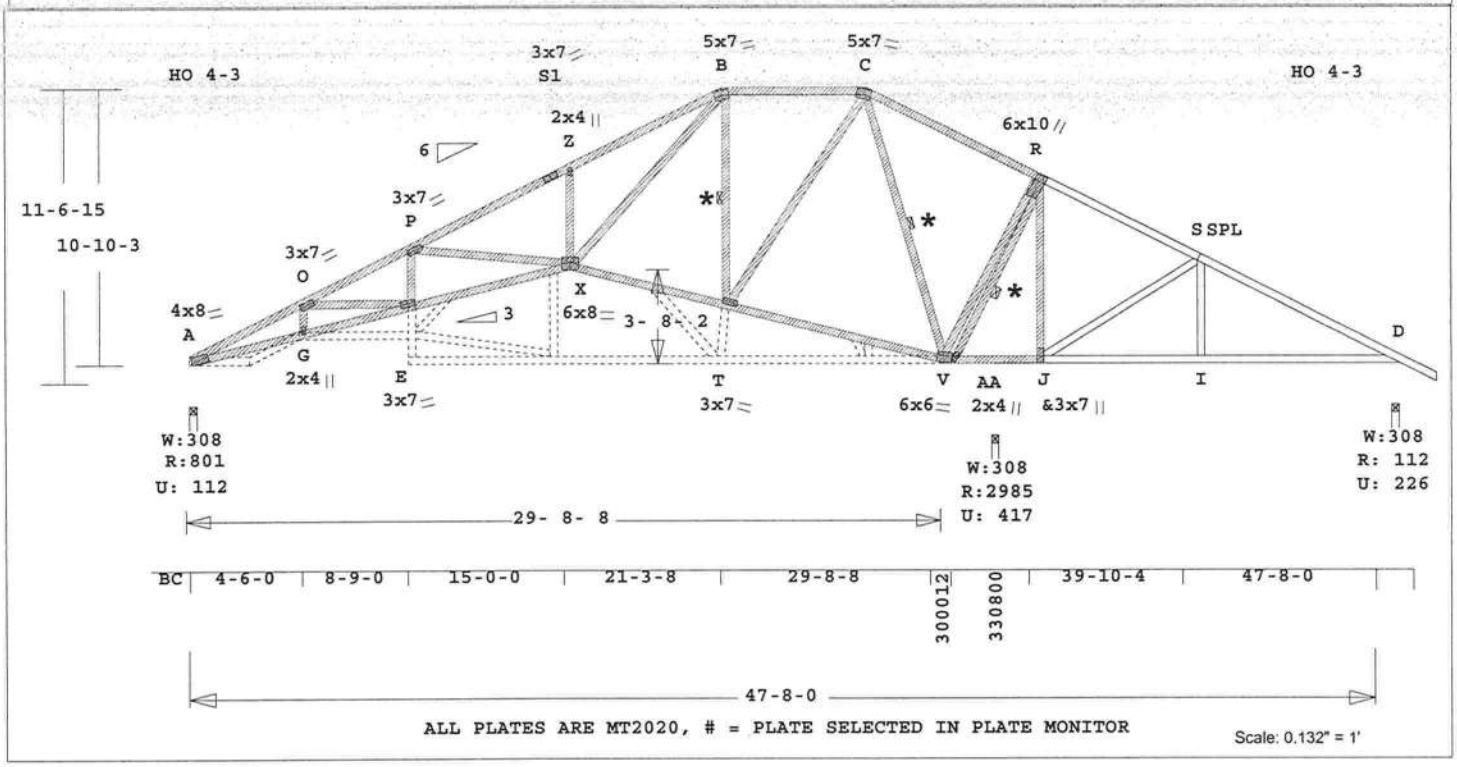
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June 17,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	*A4*	1	SP	470800	6	1- 6- 0	1- 6- 0	*T3779308*

GRAND HEATHER-LEFT HAND



For all lumber, plates, etc. not shown, refer to page 2 of this drawing.
Repair is based on information received from truss fabricator.
Truss must be in original, undeflected position prior to carrying out the repair.
Provide temporary support to the truss prior to carrying out the repair.

REPAIR PROBLEM:
(1) Need to modify the bottom chord profile as shown.

REPAIR SOLUTION:
Apply all nails so as to avoid damaging of lumber and loosening of plates at joints.
(A) Fabricate jack-scab (shaded) using lumber and plates indicated.
(B) Attach shop-fabricated jack-scab (shaded) to one face of truss using (2 rows) of 10d common nails at 4" on center in each row and staggered into all aligned members.
(C) Use a carbide tipped blade to cut and remove portion of truss shown dashed. All remaining plates must be intact and fully embedded.

(*) Note new bracing requirement.

JACK-SCAB LUMBER

TOP CHORD	2X4	SP-#2
BOTTOM CHORD	2X4	SP-#2
WEBS	2X4	SP-#2
EXCEPTIONS:		
[A-X]	2x4	SP-#1



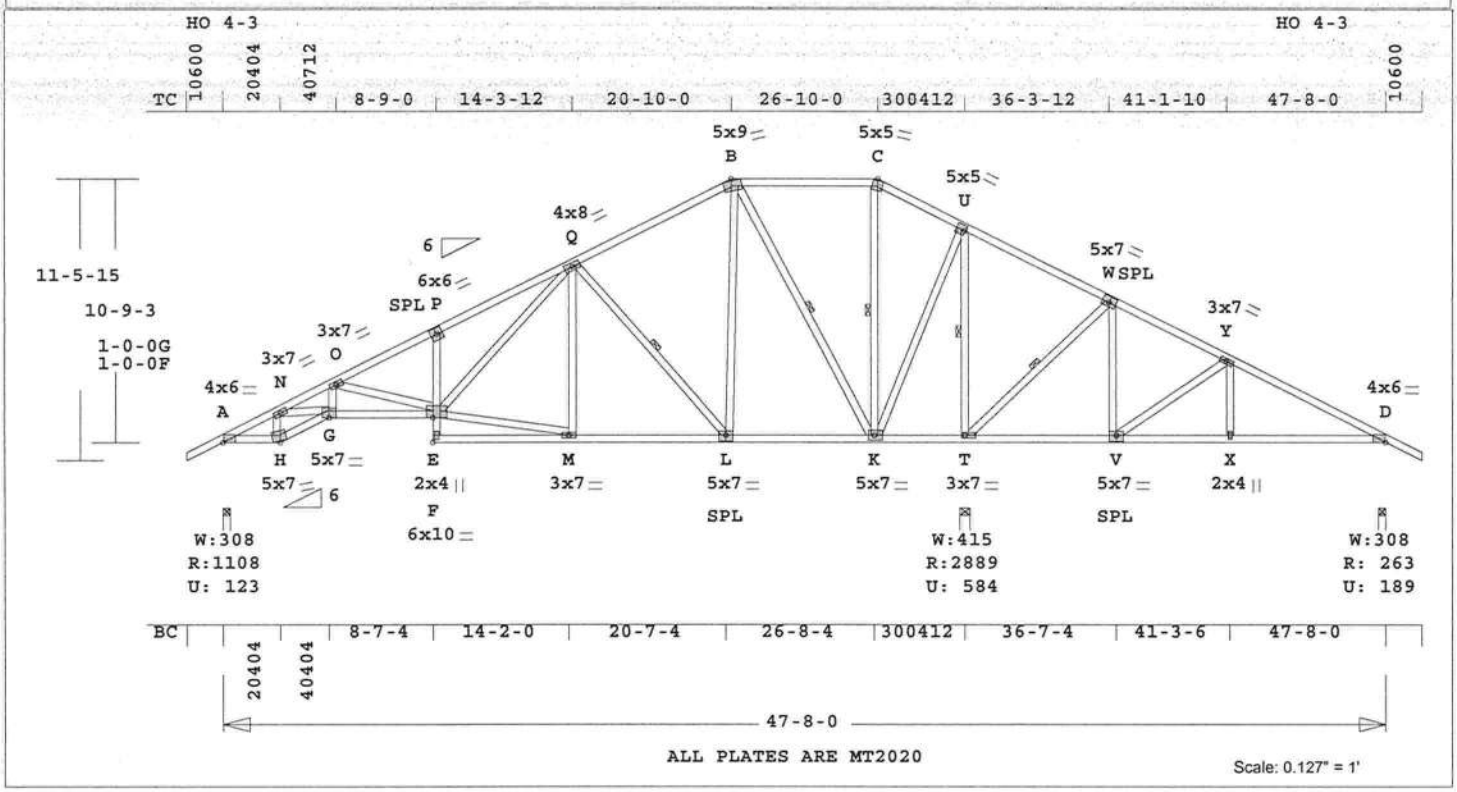
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June 17,2010

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Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
LDM-HEATHER	A4	1	SP	470800	6	1- 6- 0	1- 6- 0	T3779308

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 410.2 LBS

Online Plus -- Version 27.0.001
RUN DATE: 17-JUN-10

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.60	2x 4	SP-#2
CW	0.16	2x 4	SP-#2
WB	0.78	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20-10- 0
TC	24.0"	20-10- 0	26-10- 0
TC	Cont.	26-10- 0	47- 8- 0
BC	Cont.	0- 0- 0	47- 8- 0

One Continuous Lateral Brace
Q -L B -K K -C T -U
T -W
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	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	1109	123 U	232 R
T	2890	585 U	
D	263	189 U	232 R

Jt	Brg Size	Required
A	3.5"	1.5"
T	4.9"	3.2"
D	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	0.12	1841 C	0.09 0.03
N -O	0.18	3249 C	0.14 0.04
O -P	0.23	1858 C	0.02 0.21
P -Q	0.43	1850 C	0.10 0.33
Q -B	0.36	366 C	0.00 0.36
B -C	0.35	312 T	0.05 0.30
C -U	0.33	333 T	0.04 0.29
U -W	0.49	1140 T	0.20 0.29
W -Y	0.40	591 T	0.08 0.32
Y -D	0.35	425 T	0.03 0.32
--------Bottom Chords---------			
A -H	0.36	1625 T	0.27 0.09
H -G	0.58	1765 T	0.29 0.29
G -F	0.60	2827 T	0.47 0.13
E -M	0.22	76 T	0.00 0.22
M -L	0.43	895 T	0.15 0.28
L -K	0.32	294 T	0.04 0.28
K -T	0.20	1019 C	0.09 0.11
T -V	0.18	531 C	0.00 0.18
V -X	0.20	295 C	0.00 0.20
X -D	0.22	295 C	0.00 0.22
----------Chord-Webs----------			
E -F	0.16	85 T	0.00 0.16
F -P	0.09	301 C	0.00 0.09
-------------Webs-------------			
H -N	0.06	694 C	
N -G	0.23	1283 T	
G -O	0.14	800 T	
O -F	0.35	1204 C	
F -Q	0.48	1146 T	
F -M	0.15	831 T	
M -Q	0.02	171 T	
Q -L	0.32	858 C	1 Br
L -B	0.49	906 T	
B -K	0.71	1268 C	1 Br
K -C	0.18	410 C	1 Br
K -U	0.78	1797 T	
T -U	0.73	2328 C	1 Br
T -W	0.18	713 T	1 Br
V -W	0.23	470 C	
V -Y	0.26	571 T	
X -Y	0.03	244 T	

TL Defl -0.32" in E -M L/999
LL Defl -0.14" in G -F L/999

Hz Disp	LL	DL	TL
Jt T	0.06"	0.07"	0.12"

Shear // Grain in Q -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	4.0x 6.0	Ctr	0.1	0.49
N	MT20	3.0x 7.0	Ctr	Ctr	0.48
O	MT20	3.0x 7.0	Ctr	Ctr	0.41
P	MT20	6.0x 6.0	Ctr	Ctr	0.38
Q	MT20	4.0x 8.0	Ctr	Ctr	0.80
B	MT20	5.0x 9.0	0.8-3.5		0.58
C	MT20	5.0x 5.0	-0.3-3.2		0.35
U	MT20	5.0x 5.0	Ctr	Ctr	0.82
W	MT20	5.0x 7.0	0.2	0.5	0.38
Y	MT20	3.0x 7.0	Ctr	Ctr	0.27
D	MT20	4.0x 6.0	Ctr	0.1	0.36
H	MT20	5.0x 7.0	-0.8	3.2	0.39
G	MT20	5.0x 7.0	Ctr	-1.0	0.56
F	MT20	6.0x10.0	Ctr	1.2	0.51
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
M	MT20	3.0x 7.0	-1.8	Ctr	0.39
L	MT20	5.0x 7.0	Ctr	-0.5	0.39
K	MT20	5.0x 7.0	0.5	Ctr	0.81
T	MT20	3.0x 7.0	Ctr	Ctr	0.58
V	MT20	5.0x 7.0	Ctr	-0.5	0.39
X	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
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: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
30- 4-12 47- 8- 0
Max comp. force 3249 Lbs
Max tens. force 2827 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

June 17,2010

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ONLINE PLUS GENERAL NOTES & SYMBOLS

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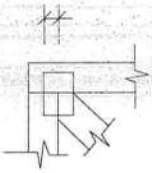
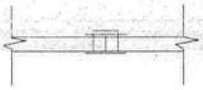


PLATE LOCATION

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.

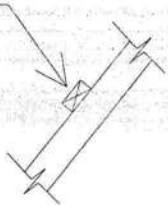
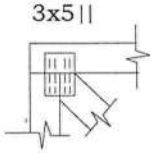


PLATE SIZE AND ORIENTATION

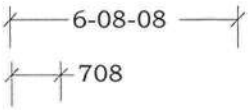
3x5||

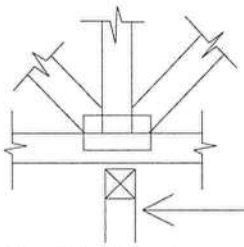


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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®
POWER TO PERFORM.™

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

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

RE: LDM-HEATHER - GRAND HEATHER-LEFT HAND

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:
Customer Info: LDM Project Name: LDM-HEATHER Model:
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

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 27.0.001
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 1 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
1	T3772911	T1	6/11/010

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

Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2011.

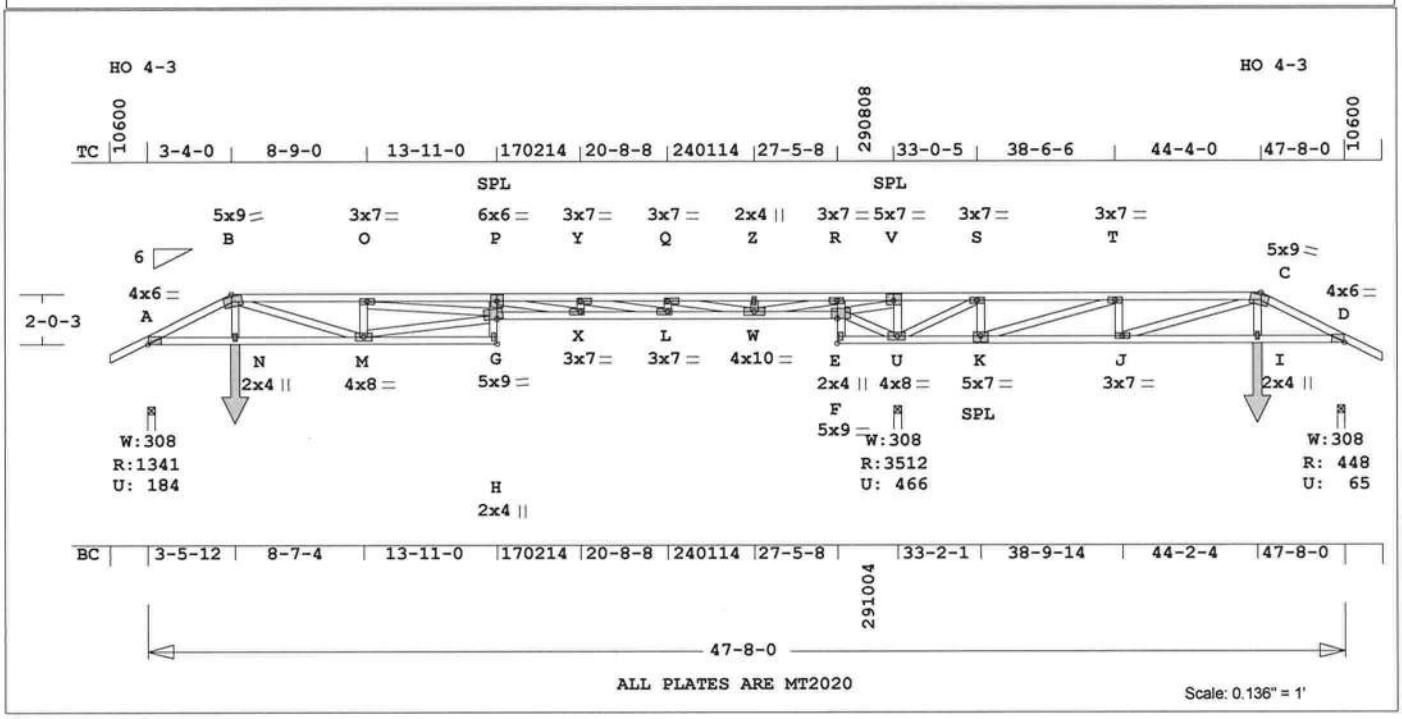
NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.



FL Cert. 6634
June 11,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
LDM-HEATHER	T1	1*3P	SP	470800	6	1- 6- 0	1- 6- 0	T3772911

GRAND HEATHER-LEFT HAND



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 299.5 LBS

```
Online Plus -- Version 27.0.001
RUN DATE: 11-JUN-10
***************
* 3-Ply Truss *
***************

     CSI -Size- ----Lumber----
TC  0.54  2x 4  SP-#1
--  0.06  2x 4  SP-#2
    A -B   C -D
BC  0.59  2x 4  SP-#1
CW  0.65  2x 4  SP-#2
WB  0.38  2x 4  SP-#2

Brace truss as follows:
      O.C.     From      To
 TC  Cont.    0- 0- 0 47- 8- 0
 BC  Cont.    0- 0- 0 47- 8- 0

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   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   1342   184 U     36 R
U   3513   466 U
D    449    66 U     36 R

Jt   Brg Size   Required
A       3.5"       1.5"
U       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    20    40   0.0'  47.7'
BC V    20     0   0.0'  47.7'
TC V     7    13   3.3'  44.3'
BC V     7     0   3.5'  44.2'
BC V    52    52   3.5'  CL-LB
BC V    52    52  44.2'  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  0.06  2337 C  0.04  0.02
B -O  0.12  4027 C  0.01  0.11
O -P  0.20  7935 C  0.05  0.15
P -Y  0.16  7215 C  0.03  0.13
Y -Q  0.08  3567 C  0.00  0.08
Q -Z  0.11  1800 T  0.07  0.04
Z -R  0.27  1800 T  0.07  0.20
R -V  0.54  7752 T  0.34  0.20
V -S  0.35  6126 T  0.26  0.09
S -T  0.26  3407 T  0.14  0.12
T -C  0.13   451 T  0.01  0.12
C -D  0.06   501 C  0.00  0.06
--------Bottom Chords---------
A -N  0.12  2081 T  0.09  0.03
N -M  0.12  2068 T  0.09  0.03
M -H  0.07   943 T  0.02  0.05
G -X  0.59  8667 T  0.38  0.21
X -L  0.37  7215 T  0.31  0.06
L -W  0.19  3567 T  0.15  0.04
W -F  0.28  7869 C  0.03  0.25
E -U  0.05   586 C  0.00  0.05
U -K  0.05  3407 C  0.00  0.05
K -J  0.06   451 C  0.00  0.06
J -I  0.07   450 T  0.01  0.06
I -D  0.03   466 T  0.02  0.01
----------Chord-Webs----------
H -G  0.65   111 T  0.00  0.65
G -P  0.36   182 T  0.00  0.36
E -F  0.40    26 T  0.00  0.40
F -R  0.05  1758 C  0.00  0.05
-------------Webs-------------
N -B  0.01   245 T
B -M  0.12  2052 T
M -O  0.03  1052 C
M -G  0.19  3141 T
O -G  0.24  3946 T
P -X  0.04  1483 C
X -Y  0.02   478 T
Y -L  0.12  3726 C
L -Q  0.05   849 T
Q -W  0.18  5485 C
W -Z  0.00   194 C
W -R  0.38  6201 T
F -V  0.05  1708 C
F -U  0.19  6061 C
U -V  0.03   490 T
U -S  0.10  3063 C
K -S  0.06  1036 T
K -T  0.13  3097 C
J -T  0.02   516 T
J -C  0.04   938 C
I -C  0.01   274 T

TL Defl  -0.92" in G -X  L/385
LL Defl  -0.37" in G -X  L/956
Shear // Grain  in H -G   0.41

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  4.0x 6.0 Ctr 0.1 0.36
B  MT20  5.0x 9.0 0.8-3.5 0.50
O  MT20  3.0x 7.0 1.8 Ctr 0.57
P  MT20  6.0x 6.0 Ctr Ctr 0.54
Y  MT20  3.0x 7.0 Ctr Ctr 0.49
Q  MT20  3.0x 7.0 Ctr Ctr 0.72
Z  MT20  2.0x 4.0 Ctr Ctr 0.12
R  MT20  3.0x 7.0-0.5 Ctr 0.74
V  MT20  5.0x 7.0 Ctr 0.5 0.58
S  MT20  3.0x 7.0 Ctr Ctr 0.39
T  MT20  3.0x 7.0 Ctr Ctr 0.41
C  MT20  5.0x 9.0-0.8-3.5 0.51
D  MT20  4.0x 6.0 Ctr 0.1 0.36
N  MT20  2.0x 4.0 Ctr Ctr 0.12
M  MT20  4.0x 8.0 Ctr Ctr 0.52
H  MT20  2.0x 4.0 Ctr Ctr 0.58
G  MT20  5.0x 9.0 Ctr 1.4 0.64
X  MT20  3.0x 7.0 Ctr Ctr 0.20
L  MT20  3.0x 7.0 Ctr Ctr 0.49
W  MT20  4.0x10.0 Ctr Ctr 0.69
F  MT20  5.0x 9.0 Ctr 0.7 0.56
E  MT20  2.0x 4.0 Ctr Ctr 0.58
U  MT20  4.0x 8.0-0.5 Ctr 0.77
K  MT20  5.0x 7.0 Ctr-0.5 0.62
J  MT20  3.0x 7.0 Ctr Ctr 0.12
I  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:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
  TPI 2002
Girder    Step Down Hip
  Framing King Jacks
  Jack    Open Faced
  Setback  3- 4- 0
3 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
  pattern.  (1/2" bolts -OR-
  SDS4.5 screws -OR- 16d nails
  as each layer is applied.)
          ----Spacing (In)----
    Rows  Nails  Screws  Bolts
  TC  1    12      24       0
  BC  1    12      24       0
  WB  1     8       8
  No bolts in 2x4s or smaller.
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:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:          5.0 psf
  BC Dead Load:          5.0 psf
Max comp. force     7935 Lbs
Max tens. force     8667 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.
```

THOMAS A. ALBANI LICENSE No 39380 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL Cert. 6634

June 11,2010

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ONLINE PLUS GENERAL NOTES & SYMBOLS

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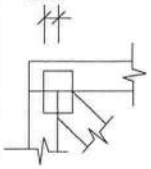
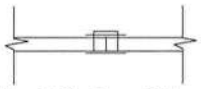


PLATE LOCATION

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.

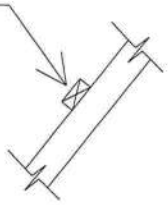
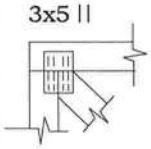


PLATE SIZE AND ORIENTATION

3x5 ||

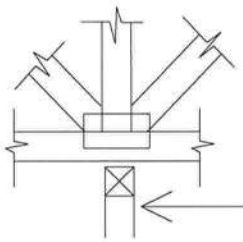


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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®
POWER TO PERFORM.™

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