DATE 03/11/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027682

APPLICANT LEON THOMAS WRIGHT PHONE 352 463-3013

ADDRESS 510 E WADE ST TRENTON FL 32693

OWNER DOUGLAS GONZALEZ PHONE

ADDRESS 464 SW PLEASANT HILL GLEN FT. WHITE FL 32038

CONTRACTOR LEON THOMAS WRIGHT PHONE 352 210-2027

LOCATION OF PROPERTY 47S, TL GERANUM, TL TERRELL, TR PLEASANT HILL GLEN, 4TH LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 161700.00

HEATED FLOOR AREA 2735.00 TOTAL AREA 3234.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 5/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 15

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 09-7S-16-04161-116 SUBDIVISION PLEASANT HILL FARM UNREC

LOT 6 BLOCK PHASE UNIT TOTAL ACRES 5.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
		CRC1328415		
PRIVATE	09-0090	BK	RJ	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 3279

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power _____ date/app. by Foundation _____ date/app. by Monolithic _____ date/app. by (footer/Slab)

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 $ 810.00 CERTIFICATION FEE $ 16.17 SURCHARGE FEE $ 16.17

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** 917.34

INSPECTORS OFFICE Gale Tedder CLERKS OFFICE CH

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

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 090E-37 Date Received 2/26 By JW Permit # 27682

Zoning Official BLK Date 11.03.09 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1ft above rd River N/A Plans Examiner [illegible] Date 3/6/09

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 - See attached Memo CELL # 352. 210. 2027

Septic Permit No. 09-0090 Fax 352-463-1933

Name Authorized Person Signing Permit Leon Thomas Wright Phone 352-463-3013

Address 510 E. Wade St. Trenton Fl. 32693

Owners Name Douglas Gonzalez Phone

911 Address 464 SW Pleasant Hill Glen Fort White 32038

Contractors Name Leon Thomas Wright Phone 352-210-2027

Address 510 E. Wade St. Trenton Fl. 32693

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address TRI County Home Design 352-463-8957 / Randolph Wiggins, P.E. 3260 Patton Ave Bell 32619

Mortgage Lenders Name & Address First Federal Hwy 90 Lake City Fl.

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

Property ID Number 09-7S-16-04-161-116 Estimated Cost of Construction $230,000

Subdivision Name Pleasant Hill Farm unrec. Lot 6 Block Unit Phase

Driving Directions South on SR 47, TL Geranium, TL Tetrell, TR on Pleasant Hill Glen, 4th lot on right

Number of Existing Dwellings on Property Ø

Construction of New Single Family Home Total Acreage 5 Lot Size 575x378

Do you need a - Culvert Permit or (Private) or Have an Existing Drive Total Building Height 15'

Actual Distance of Structure from Property Lines - Front 116'6" Side 156' Side 141 Rear 405

Number of Stories 1 Heated Floor Area 2735 Total Floor Area 3234 Roof Pitch 5/12

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

Spoke to Gail 3/11/09 left message w/ Wright 3/11/09

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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Owners Signature _____

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

Contractor's Signature (Permitee) _____

Contractor's License Number CRC 1328415
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24 **day of** February **20**09.
Personally known X **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor) _____

SEAL:

LINDA G. DYALS
Comm# DD0622566
Expires 12/14/2010
Florida Notary Assn., Inc

Letter of Authorization

I Douglas Gonzalez hereby authorize Wright & Van Custom Homes, LLC to sign all necessary documents for any an all permits required for this new construction, located in Columbia County, Fl. Parcel No# 09-7S-16-04161-116

Sign _____ Date 11-29-08
(Owner)

LINDA G. DYALS
Comm# DD0622566
Expires 12/14/2010
Florida Notary Assn., Inc

STATE OF FLORIDA
COUNTY: Gilchrist

The foregoing instrument was acknowledged before me this 29th day of November, 2008 by, Douglas Gonzales who is personally known to me or who have produced DL#G524-176-72-361-0 as identification and did not take an oath.

Signature of Notary

Linda G. Dyals

70
1850

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. 08Y-12009TL

Parcel I.D. #: *04161-116*

SPACE ABOVE THIS LINE FOR PROCESSING DATA

Inst:200912001474 Date:1/30/2009 Time:4:20 PM
Doc Stamp-Deed:0.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1166 P:934

Inst:200912000931 Date:1/21/2009 Time:2:33 PM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1165 P:2081

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS CORRECTIVE WARRANTY DEED *Made the* ***20th*** *day of* ***January, A.D. 2009,*** *by* ***MARICRUZ GONZALEZ, A MARRIED PERSON AND FELIPA MIER, A MARRIED PERSON, CONVEYING NON HOMESTEAD PROPERTY,*** *hereinafter called the grantors, to* ***DOUGLAS R. GONZALEZ, A MARRIED PERSON,*** *whose post office address is* ***412 SW PLEASANT HILL GLN, FORT WHITE, FL 32038,*** *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 grantor, for and in consideration of the sum of* ***$10.00*** *and other valuable consideration, receipt whereof is hereby acknowledged, does 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:*

TOWNSHIP 7 SOUTH, RANGE 16 EAST:
A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT A CONCRETE MONUMENT AT THE NW CORNER OF THE S ½ OF THE NE ¼ OF THE AFOREMENTIONED SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST FOR THE POINT OF REFERENCE; THENCE RUN S 00°48'26" E, ALONG THE WEST LINE OF SAID SOUTH ½ OF THE NE ¼, A DISTANCE OF 575.59 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89°07'05" E, A DISTANCE OF 1514.62 FEET TO A STEEL ROD AND CAP AND THE TRUE POINT OF BEGINNING; THENCE RUN S 00°54'56" E, A DISTANCE OF 575.21 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89°07'05" E, A DISTANCE OF 756.93 FEET TO A STEEL ROD AND CAP; THENCE RUN N 00°49'41" W, A DISTANCE OF 575.21 FEET TO A STEEL ROD AND CAP; THENCE RUN S 89°07'05" W, A DISTANCE OF 757.81 FEET TO THE TRUE POINT OF BEGINNING. (ALSO KNOWN AS PARCEL 6, PLEASANT HILL FARMS, AN UNRECORDED SUBDIVISION.)

LESS AND EXCEPT THE WEST 5.00 ACRES.

SUBJECT TO A PERPETUAL NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER AND ACROSS THE NORTH 30 FEET OF THE ABOVE DESCRIBED LANDS.

TOGETHER WITH A PERPETUAL NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER, UNDER AND ACROSS A 60 FOOT WIDE STRIP OF LAND LOCATED IN SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT A CONCRETE MONUMENT AT THE NW CORNER OF THE S ½ OF THE NE ¼ OF THE AFOREMENTIONED SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST FOR THE TRUE POINT OF REFERENCE; THENCE RUN S 00°48'26" E, ALONG THE WEST LINE OF SAID S ½ OF NE ¼, A DISTANCE OF 545.59 FEET TO A STEEL ROD AND CAP AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE S 00°48'26" E, ALONG SAID WEST LINE, A DISTANCE OF 605.21 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89°07'05" E, A DISTANCE OF 2170.55 FEET TO A STEEL ROD AND CAP; THENCE RUN N 00°48'26" W, A DISTANCE OF 60.00 FEET TO A STEEL ROD AND CAP; THENCE RUN S 89°07'05" W, A DISTANCE OF 2212.55 FEET TO THE TRUE POINT OF BEGINNING.

TOGETHER WITH A NON-EXCLUSIVE EASEMENT IN AND TO THE EASEMENT DESCRIBED IN OFFICIAL RECORD BOOKS 1012, 1015, 1018 AND 1031, PUBLIC RECORDS OF 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.*

THIS DEED IS BEING RERECORDED TO CORRECT THE LEGAL DESCRIPTION.

And the grantor hereby covenants with said grantee that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2008.

***In Witness Whereof,** the said grantor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its proper officers thereunto duly authorized, the day and year first above written.*

Signed, sealed and delivered in the presence of:

Witness Signature

Regina Simpkins

Printed Name

Witness Signature

Mary Sandage

Printed Name

L.S.

MARICRUZ GONZALEZ
Address: 412 SW PLEASANT HILL GLEN
FORT WHITE, FLORIDA 32038

L.S.

FELIPA MIER
Adddress: P.O. Box 729
Fort White, FL 32038-0729

STATE OF FLORIDA
COUNTY OF COLUMBIA

*The foregoing instrument was acknowledged before me this **20th** day of **January**, 2009, by MARICRUZ GONZALEZ AND FELIPA MIER, who are personally known to me or have produced* Driver's License *as identification.*

Notary Public
My commission expires _____

MARY SANDAGE
MY COMMISSION # DD647494
EXPIRES December 23, 2012
(407) 398-0153 FloridaNotaryService.com

A DISTANCE OF 60.00 FEET TO A STEEL ROD AND CAP; THENCE RUN N 00deg. 48'26" W, A DISTANCE OF 545.21 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89deg.07'05"E, A DISTANCE OF 2272.43 FEET TO A A STEEL ROD AND CAP; THENCE RUN N 00deg.48'26" W, A DISTANCE OF 60.00 FEET TO A STEEL ROD AND CAP; THENCE RUN S 89deg.07'05" W, A DISTANCE OF 2332.43 FEET TO THE TRUE POINT OF BEGINNING.

TOGETHER WITH PERPETUAL NON-EXCLUSIVE RIGHTS IN AND TO THE EASEMENT DESCRIBED IN OFFICIAL RECORDS BOOK 920, PAGES 1612, 1615, 1618 AND 1621, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

THIS INSTRUMENT PREPARED BY
AND RETURN TO:
NORTH CENTRAL FLORIDA TITLE, LLC
343 NW COLE TERRACE
SUITE 101
LAKE CITY, FLORIDA 32055

Inst:200912001477 Date:1/30/2009 Time:4:20 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1166 P:948

Parcel I.D. #: *04161-116*
Permit No.

Inst:200912000934 Date:1/21/2009 Time:2:33 PM
DC,P DeWitt Cason,Columbia County Page 1 of 2 B:1165 P:2095

SPACE ABOVE THIS LINE FOR PROCESSING DATA — *SPACE ABOVE THIS LINE FOR RECORDING DATA*

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recordation.

1. Description of property: (Legal description of property, and street address if available)

TBD SW PLEASANT HILL GLEN, FORT WHITE, FL 32038
TOWNSHIP 7 SOUTH, RANGE 16 EAST:
A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST. SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT A CONCRETE MONUMENT AT THE NW CORNER OF THE S ½ OF THE NE ¼ OF THE AFOREMENTIONED SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST FOR THE POINT OF REFERENCE; THENCE RUN S 00°48'26" E, ALONG THE WEST LINE OF SAID SOUTH ½ OF THE NE ¼, A DISTANCE OF 575.59 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89°07'05" E, A DISTANCE OF 1514.62 FEET TO A STEEL ROD AND CAP AND THE TRUE POINT OF BEGINNING; THENCE RUN S 00°54'56" E, A DISTANCE OF 575.21 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89°07'05" E, A DISTANCE OF 756.93 FEET TO A STEEL ROD AND CAP; THENCE RUN N 00°49'41" W, A DISTANCE OF 575.21 FEET TO A STEEL ROD AND CAP; THENCE RUN S 89°07'05" W, A DISTANCE OF 757.81 FEET TO THE TRUE POINT OF BEGINNING. (ALSO KNOWN AS PARCEL 6, PLEASANT HILL FARMS, AN UNRECORDED SUBDIVISION.)

LESS AND EXCEPT THE WEST 5.00 ACRES.

SUBJECT TO A PERPETUAL NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER AND ACROSS THE NORTH 30 FEET OF THE ABOVE DESCRIBED LANDS.

TOGETHER WITH A PERPETUAL NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER, UNDER AND ACROSS A 60 FOOT WIDE STRIP OF LAND LOCATED IN SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT A CONCRETE MONUMENT AT THE NW CORNER OF THE S ½ OF THE NE ¼ OF THE AFOREMENTIONED SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST FOR THE TRUE POINT OF REFERENCE; THENCE RUN S 00°48'26" E, ALONG THE WEST LINE OF SAID S ½ OF NE ¼, A DISTANCE OF 545.59 FEET TO A STEEL ROD AND CAP AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE S 00°48'26" E, ALONG SAID WEST LINE, A DISTANCE OF 605.21 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89°07'05" E, A DISTANCE OF 1332.43 FEET TO THE TRUE POINT OF BEGINNING.

TOGETHER WITH PERPETUAL NON-EXCLUSIVE RIGHTS AND TO THE EASEMENT DESCRIBED IN OFFICIAL RECORDS BOOK 921, PAGES 610, 611, 612 AND 613, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

THIS BEING RERECORDED TO CORRECT THE LEGAL DESCRIPTION.

2. General description of improvement: **CONSTRUCTION OF A SINGLE FAMILY DWELLING**

3. Owner information:
   a. Name and address:
      DOUGLAS R. GONZALEZ
      412 SW PLEASANT HILL GLN, FORT WHITE, FL 32038
   b. Interest in property: **Fee Simple**
   c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor: (Name and Address)
   WRIGHT & VAN CUSTOM HOMES, LLC
   510 E. WADE STREET, TRENTON, FLORIDA 32693
   Telephone Number: 352-463-3013

5. Surety (if any):
   a. Name and Address:
      Telephone Number: _____
   b. Amount of Bond $ _____

6. Lender: (Name and Address)
   FIRST FEDERAL BANK OF FLORIDA
   4705 WEST U.S. HWY 90, P.O. BOX 2029, LAKE CITY, FL 32056
   Telephone Number: 755-0600

7. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)(7), Florida Statutes: (Name and Address)
   N/A

8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)
   FIRST FEDERAL BANK OF FLORIDA
   4705 WEST U.S. HWY 90, P.O. BOX 2029, LAKE CITY, FL 32056
   Telephone Number: 755-0600

9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified) _____.

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

Signature of Owner(s) or Owner's Authorized Officer/Director/Partner/Manager:

_____ {SEAL} _____ {SEAL}
DOUGLAS R. GONZALEZ

The foregoing instrument was acknowledged before me this 20th day of January, 2009, by **DOUGLAS R. GONZALEZ**, who is personally known to me or who has produced *Driver's License* as identification.

_____
Notary Public
My Commission Expires: _____

MARY SANDAGE
MY COMMISSION # DD847494
EXPIRES December 23, 2012
(407) 398-0153 FloridaNotaryService.com

A DISTANCE OF 60.00 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 00° 48' 26" WEST A DISTANCE OF 545.21 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 89° 07' 05" EAST A DISTANCE OF 2272.43 FEET TO A STEEL ROD AND CAP; THENCE RUN N 00°48'26" W, A DISTANCE OF 60.00 FEET TO A STEEL ROD AND CAP; THENCE RUN S 89°07'05" W, A DISTANCE OF 2332.43 FEET TO THE TRUE POINT OF BEGINNING.

TOGETHER WITH PERPETUAL, NON-EXCLUSIVE RIGHTS IN AND TO THE EASEMENT DESCRIBED IN OFFICIAL RECORDS BOOK 920, PAGES 1612, 1615, 1618 AND 1621, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 1/21/2009 **DATE ISSUED:** 1/26/2009

ENHANCED 9-1-1 ADDRESS:

464 SW PLEASANT HILL GLN

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

09-7S-16-04161-116

Remarks:

PT OF LT 6 PLEASANT HILL FARMS UNREC

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.

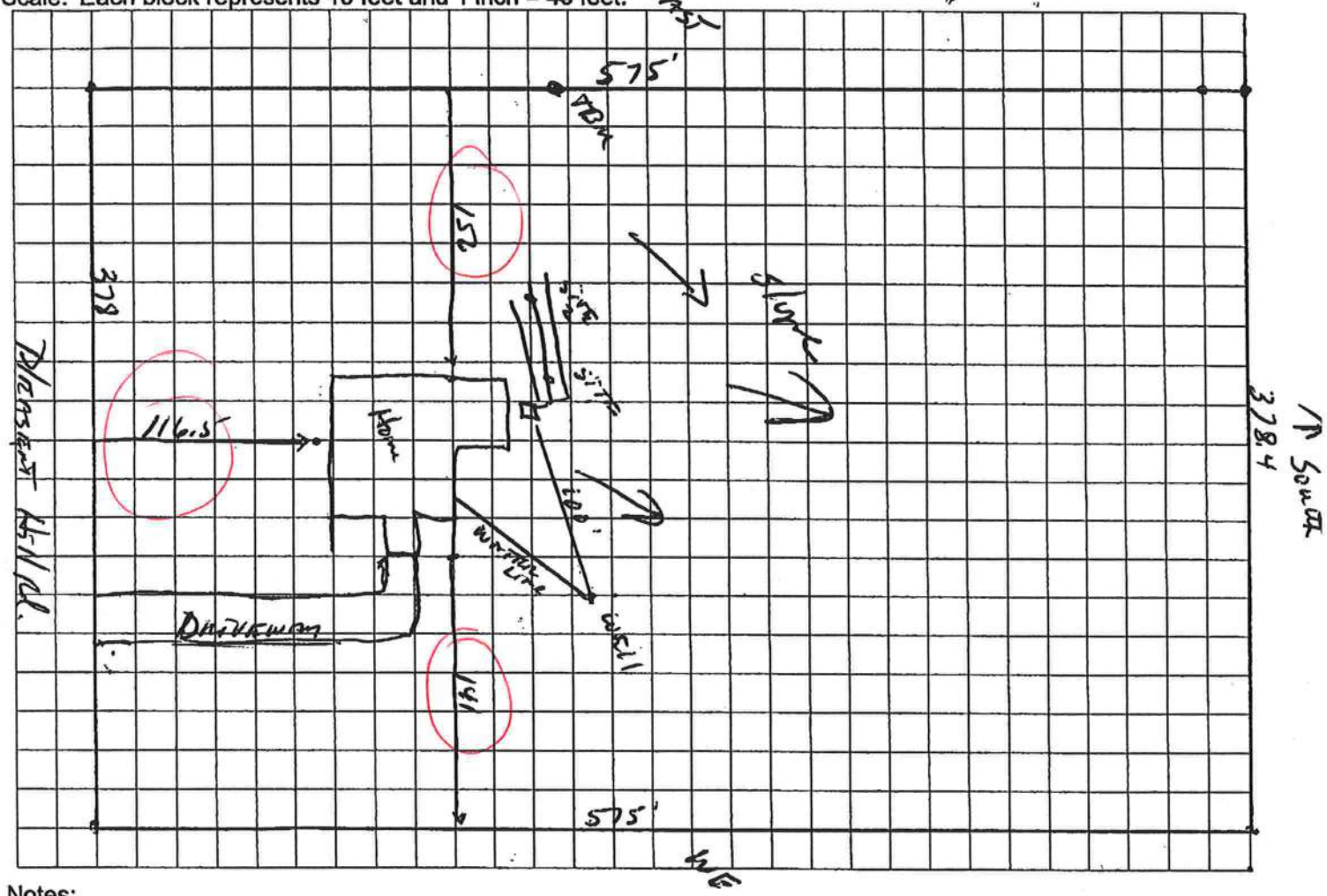
1365

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 09-0090

---------- PART II - SITEPLAN ----------

Scale: Each block represents ~~10~~ 20 feet and 1 inch = ~~40~~ 80 feet.



Notes: _____

Site Plan submitted by R. Smith

Plan Approved ✓ Not Approved ____ Date 2-17-09

By Mark A Zumbo Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

52-193

SD° No Map

09-0890

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT
Authority: Chapter 381, FS & Chapter 10D-6, FAC

PERMIT # 911271
DATE PAID 2/12/09
FEE PAID $ 310.00
RECEIPT # 1098848

FW

APPLICATION FOR:
[✓] New System [ ] Existing System [ ] Holding Tank [ ] Temporary/Experimental
[ ] Repair [ ] Abandonment [ ] Other(Specify)

APPLICANT: Douglas Gonzalez TELEPHONE: 352-463-3013 352-210-2027

AGENT: Leon WRIGHT

MAILING ADDRESS: 510 E. Wade St. Trenton Fl. 32693

==========

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. ATTACH BUILDING PLAN AND TO-SCALE SITE PLAN SHOWING PERTINENT FEATURES REQUIRED BY CHAPTER 10D-6, FLORIDA ADMINISTRATIVE CODE.

==========

PROPERTY INFORMATION [IF LOT IS NOT IN A RECORDED SUBDIVISION, ATTACH LEGAL DESCRIPTION OR DEED]

LOT: 6 BLOCK: N/A SUBDIVISION: PLEASANT HILL FARMS DATE OF SUBDIVISION: UNREC

PROPERTY ID #: 09-7S-16-04161-116 [Section/Township/Range/Parcel No.] ZONING: Ag

PROPERTY SIZE: 5 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: [✓] PRIVATE [ ] PUBLIC

PROPERTY STREET ADDRESS: 464 SW Pleasant Hill

DIRECTIONS TO PROPERTY: Hwy 47 South Thru Ft. White T Lon Geranium Follow Around Curve TL go To SW Pleasant Hill TR go To front on Right.

BUILDING INFORMATION [✓] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	# Persons Served	Business Activity For Commercial Only
1	Home	5	3234		500 GPD
2			2735 living space		
3					
4					

[ ] Garbage Grinders/Disposals [ ] Spas/Hot Tubs [ ] Floor/Equipment Drains
[ ] Ultra-low Volume Flush Toilets [ ] Other (Specify)

APPLICANT'S SIGNATURE: Leon T. Wright DATE: 2-4-09

09-0590

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

PERMIT NO. 911271
DATE PAID: 2/12/09
FEE PAID: 350.00
RECEIPT #: 1098848

CONSTRUCTION PERMIT FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Douglas Gonzalez

PROPERTY ADDRESS: 464 SW Pleasant Hill

LOT: 6 BLOCK: — SUBDIVISION: Pleasant Hill Farms

PROPERTY ID #: 09-7S-16-04161-116 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER] [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

TANK
[1200] GALLONS / GPD SEPTIC TANK/AEROBIC UNIT CAPACITY MULTI-CHAMBERED/IN-SERIES [ ]
[ ] GALLONS / GPD _____ CAPACITY MULTI-CHAMBERED/IN-SERIES [ ]
[ ] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
[ ] GALLONS DOSING TANK CAPACITY [ ] GALLONS @ [ ] DOSES PER 24 HRS # PUMPS [ ]

DRAINFIELD
[556] SQUARE FEET PRIMARY DRAINFIELD SYSTEM
[ ] SQUARE FEET _____ SYSTEM
TYPE SYSTEM: [X] STANDARD [ ] FILLED [ ] MOUND [ ] _____
CONFIGURATION: [X] TRENCH [ ] BED [ ] _____

LOCATION OF BENCHMARK: Fence Post East
ELEVATION OF PROPOSED SYSTEM SITE [12] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
BOTTOM OF DRAINFIELD TO BE ≥ [42] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT

FILL REQUIRED: [N/A] INCHES EXCAVATION REQUIRED: [N/A] INCHES

OTHER
Office cannot have closing door as per site plan (Floor Plan) otherwise will be considered sleeping room. System would be a 1350 gallon tank w/ 667 sf² of drainfield.

SPECIFICATIONS BY: [signature] TITLE: Master Contractor

APPROVED BY: [signature] TITLE: Env Manager Columbia CHD

DATE ISSUED: 2-17-09 EXPIRATION DATE: 8-17-10

DH 4016, 10/97 (Previous Editions May Be Used)

ACTION

Pump Repair & Well Drilling

Jamie Storey, State License # 2664

Office (352) 542-7877
Fax (352) 542-7533

RESIDENTIAL WATER WELL BUILDING PERMIT INFORMATION

*Building Permit #*_____ *Owners Name:* Douglas Gonzalez

Well Depth 60 *ft.* *Casing Depth* 54 *ft* *Water Level* 32 *ft.*

PUMP INSTALLATION: Submersible XX *Deep Well Jet* __ *Shallow Well Jet* __

Pump Make Goulds *Pump Model #*18LS *Pump H.P.* 1

System Pressure (PSI) 40 *On* 60 *Off Average Pressure* 50

Pumping System GPM at average pressure and pumping level 20 *(GPM).*

TANK INSTALLATION: Precharged (Bladder) XX *Atmospheric (Galvanized)* __

Make Well Flo *Model* 100WF *Size* 81 *Gallons.*

Tank Draw-down per cycle at system pressure 21 *Gallons.*

Constant flow device installed __ *Yes* X *No.*

I hereby certify that this water well system has been installed as per above information.

Jamie Storey
State contractor signature

Jamie Storey
print name

2664
State license number

02-11-2009
Date

Residential System Sizing Calculation

Summary

Gonzalez

Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

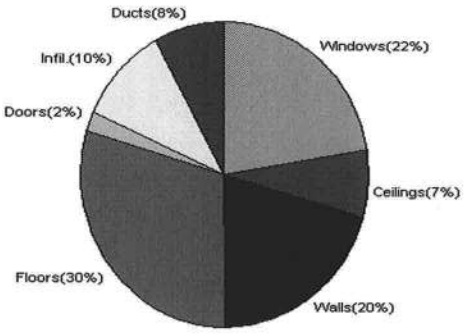
2/20/2009

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	**46482**	**Btuh**	**Total cooling load calculation**	**32200**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	129.1	60000	Sensible (SHR = 0.75)	155.4	45000
Heat Pump + Auxiliary(0.0kW)	129.1	60000	Latent	461.5	15000
			Total (Electric Heat Pump)	186.3	60000

WINTER CALCULATIONS

Winter Heating Load (for 2735 sqft)

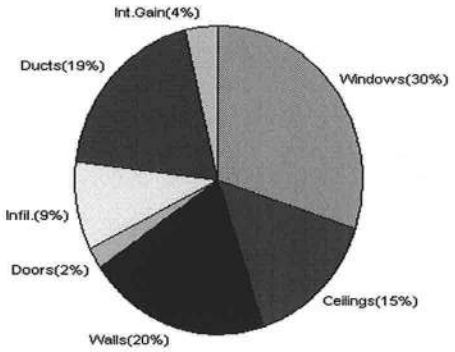
Load component			Load	
Window total	324	sqft	10430	Btuh
Wall total	2657	sqft	9326	Btuh
Door total	63	sqft	963	Btuh
Ceiling total	2843	sqft	3350	Btuh
Floor total	320	sqft	13971	Btuh
Infiltration	117	cfm	4727	Btuh
Duct loss			3715	Btuh
Subtotal			**46482**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**46482**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2735 sqft)

Load component			Load	
Window total	324	sqft	9727	Btuh
Wall total	2657	sqft	6579	Btuh
Door total	63	sqft	729	Btuh
Ceiling total	2843	sqft	4708	Btuh
Floor total			0	Btuh
Infiltration	55	cfm	1018	Btuh
Internal gain			1200	Btuh
Duct gain			4988	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**28949**	**Btuh**
Latent gain(ducts)			1251	Btuh
Latent gain(infiltration)			1999	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			0	Btuh
Total latent gain			**3250**	**Btuh**
TOTAL HEAT GAIN			**32200**	**Btuh**



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Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Gonzalez

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Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

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

2/20/2009

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Tint, Metal, 0.87	N	24.0	32.2	773 Btuh
2	2, Tint, Metal, 0.87	S	30.0	32.2	966 Btuh
3	2, Tint, Metal, 0.87	S	54.0	32.2	1738 Btuh
4	2, Tint, Metal, 0.87	S	16.0	32.2	515 Btuh
5	2, Tint, Metal, 0.87	E	15.0	32.2	483 Btuh
6	2, Tint, Metal, 0.87	E	18.0	32.2	579 Btuh
7	2, Tint, Metal, 0.87	E	18.0	32.2	579 Btuh
8	2, Tint, Metal, 0.87	W	35.0	32.2	1127 Btuh
9	2, Tint, Metal, 0.87	W	12.0	32.2	386 Btuh
10	2, Tint, Metal, 0.87	W	18.0	32.2	579 Btuh
11	2, Tint, Metal, 0.87	W	12.0	32.2	386 Btuh
12	2, Tint, Metal, 0.87	W	30.0	32.2	966 Btuh
13	2, Tint, Metal, 0.87	W	30.0	32.2	966 Btuh
14	2, Tint, Metal, 0.87	W	12.0	32.2	386 Btuh
	Window Total		324(sqft)		10430 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	11.0	2657	3.5	9326 Btuh
	Wall Total		2657		9326 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		42	12.9	544 Btuh
2	Wood - Adjacent		21	20.0	420 Btuh
	Door Total		63		963Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	2375	1.2	2799 Btuh
2	Vented Attic/D/Shin	30.0	468	1.2	551 Btuh
	Ceiling Total		2843		3350Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	320.0 ft(p)	43.7	13971 Btuh
	Floor Total		320		13971 Btuh
			Envelope Subtotal:		38041 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.32	21880	2657	116.7	4727 Btuh
Ductload				(DLM of 0.087)	3715 Btuh
All Zones			**Sensible Subtotal All Zones**		**46482 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Gonzalez

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Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

2/20/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	46482 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	46482 Btuh

EQUIPMENT

1. Electric Heat Pump	#	60000 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
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System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Gonzalez

Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

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

2/20/2009

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Tint, Metal, 0.87	N	24.0	32.2	773 Btuh
2	2, Tint, Metal, 0.87	S	30.0	32.2	966 Btuh
3	2, Tint, Metal, 0.87	S	54.0	32.2	1738 Btuh
4	2, Tint, Metal, 0.87	S	16.0	32.2	515 Btuh
5	2, Tint, Metal, 0.87	E	15.0	32.2	483 Btuh
6	2, Tint, Metal, 0.87	E	18.0	32.2	579 Btuh
7	2, Tint, Metal, 0.87	E	18.0	32.2	579 Btuh
8	2, Tint, Metal, 0.87	W	35.0	32.2	1127 Btuh
9	2, Tint, Metal, 0.87	W	12.0	32.2	386 Btuh
10	2, Tint, Metal, 0.87	W	18.0	32.2	579 Btuh
11	2, Tint, Metal, 0.87	W	12.0	32.2	386 Btuh
12	2, Tint, Metal, 0.87	W	30.0	32.2	966 Btuh
13	2, Tint, Metal, 0.87	W	30.0	32.2	966 Btuh
14	2, Tint, Metal, 0.87	W	12.0	32.2	386 Btuh
	Window Total		324(sqft)		10430 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	11.0	2657	3.5	9326 Btuh
	Wall Total		2657		9326 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		42	12.9	544 Btuh
2	Wood - Adjacent		21	20.0	420 Btuh
	Door Total		63		963Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	2375	1.2	2799 Btuh
2	Vented Attic/D/Shin	30.0	468	1.2	551 Btuh
	Ceiling Total		2843		3350Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	320.0 ft(p)	43.7	13971 Btuh
	Floor Total		320		13971 Btuh
			Zone Envelope Subtotal:		38041 Btuh
Infiltration	Type	ACH X	Volume(cuft) walls(sqft)	CFM=	
	Natural	0.32	21880 2657	116.7	4727 Btuh
Ductload	Average sealed, Supply(R6.6-Attic), Return(R6.6-Attic) (DLM of 0.087)				3715 Btuh
Zone #1			**Sensible Zone Subtotal**		**46482 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Gonzalez

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Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

2/20/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	46482 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	46482 Btuh

EQUIPMENT

1. Electric Heat Pump	#	60000 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

Gonzalez

Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 2/20/2009

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Overhang Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	HTM Unshaded	Load
1	2, Tint, 0.87, B-M, N,H	N	2ft.	6ft.	24.0	0.0	24.0	17	17	416 Btuh
2	2, Tint, 0.87, B-M, N,H	S	2ft.	6ft.	30.0	30.0	0.0	17	20	520 Btuh
3	2, Tint, 0.87, B-M, N,H	S	10ft.	7ft.	54.0	54.0	0.0	17	20	936 Btuh
4	2, Tint, 0.87, B-M, N,H	S	1ft.	7ft.	16.0	13.4	2.6	17	20	284 Btuh
5	2, Tint, 0.87, B-M, N,H	E	1ft.	8ft.	15.0	0.0	15.0	17	39	584 Btuh
6	2, Tint, 0.87, B-M, N,H	E	1ft.	15ft.	18.0	0.0	18.0	17	39	701 Btuh
7	2, Tint, 0.87, B-M, N,H	E	1ft.	8ft.	18.0	0.0	18.0	17	39	701 Btuh
8	2, Tint, 0.87, B-M, N,H	W	1ft.	10ft.	35.0	0.0	35.0	17	39	1362 Btuh
9	2, Tint, 0.87, B-M, N,H	W	1ft.	7ft.	12.0	0.0	12.0	17	39	467 Btuh
10	2, Tint, 0.87, B-M, N,H	W	1ft.	7ft.	18.0	0.0	18.0	17	39	701 Btuh
11	2, Tint, 0.87, B-M, N,H	W	1ft.	7ft.	12.0	0.0	12.0	17	39	467 Btuh
12	2, Tint, 0.87, B-M, N,H	W	2ft.	6ft.	30.0	4.0	26.0	17	39	1082 Btuh
13	2, Tint, 0.87, B-M, N,H	W	2ft.	6ft.	30.0	4.0	26.0	17	39	1082 Btuh
14	2, Tint, 0.87, B-M, N,H	W	2ft.	5ft.	12.0	2.0	10.0	17	39	424 Btuh
	Window Total				324 (sqft)					9727 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	11.0/0.09	2657.0	2.5	6579 Btuh
	Wall Total		2657 (sqft)		6579 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	42.0	9.8	412 Btuh
2	Wood - Adjacent	21.0	15.1	318 Btuh
	Door Total	63 (sqft)		729 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2375.0	1.7	3933 Btuh
2	Vented Attic/DarkShingle	30.0	468.0	1.7	775 Btuh
	Ceiling Total		2843 (sqft)		4708 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	320 (ft(p))	0.0	0 Btuh
	Floor Total		320.0 (sqft)		0 Btuh

				Envelope Subtotal:	21743 Btuh
Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.15	21880	2657	116.7	1018 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		0	X 230	+	1200	1200 Btuh
				Sensible Envelope Load:		23961 Btuh
Duct load				(DGM of 0.208)		4988 Btuh
				Sensible Load All Zones		**28949 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Gonzalez

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Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

2/20/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**23961 Btuh**
	Sensible Duct Load	4988 Btuh
	Total Sensible Zone Loads	**28949 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**28949 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	1999 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1251 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**3250 Btuh**
	TOTAL GAIN	**32200 Btuh**

EQUIPMENT

1. Central Unit	#	60000 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

Gonzalez

Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 2/20/2009

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Overhang Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	HTM Unshaded	Load
1	2, Tint, 0.87, B-M, N,H	N	2ft.	6ft.	24.0	0.0	24.0	17	17	416 Btuh
2	2, Tint, 0.87, B-M, N,H	S	2ft.	6ft.	30.0	30.0	0.0	17	20	520 Btuh
3	2, Tint, 0.87, B-M, N,H	S	10ft.	7ft.	54.0	54.0	0.0	17	20	936 Btuh
4	2, Tint, 0.87, B-M, N,H	S	1ft.	7ft.	16.0	13.4	2.6	17	20	284 Btuh
5	2, Tint, 0.87, B-M, N,H	E	1ft.	8ft.	15.0	0.0	15.0	17	39	584 Btuh
6	2, Tint, 0.87, B-M, N,H	E	1ft.	15ft.	18.0	0.0	18.0	17	39	701 Btuh
7	2, Tint, 0.87, B-M, N,H	E	1ft.	8ft.	18.0	0.0	18.0	17	39	701 Btuh
8	2, Tint, 0.87, B-M, N,H	W	1ft.	10ft.	35.0	0.0	35.0	17	39	1362 Btuh
9	2, Tint, 0.87, B-M, N,H	W	1ft.	7ft.	12.0	0.0	12.0	17	39	467 Btuh
10	2, Tint, 0.87, B-M, N,H	W	1ft.	7ft.	18.0	0.0	18.0	17	39	701 Btuh
11	2, Tint, 0.87, B-M, N,H	W	1ft.	7ft.	12.0	0.0	12.0	17	39	467 Btuh
12	2, Tint, 0.87, B-M, N,H	W	2ft.	6ft.	30.0	4.0	26.0	17	39	1082 Btuh
13	2, Tint, 0.87, B-M, N,H	W	2ft.	6ft.	30.0	4.0	26.0	17	39	1082 Btuh
14	2, Tint, 0.87, B-M, N,H	W	2ft.	5ft.	12.0	2.0	10.0	17	39	424 Btuh
	Window Total				324 (sqft)					9727 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	11.0/0.09	2657.0	2.5	6579 Btuh
	Wall Total		2657 (sqft)		6579 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	42.0	9.8	412 Btuh
2	Wood - Adjacent	21.0	15.1	318 Btuh
	Door Total	63 (sqft)		729 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2375.0	1.7	3933 Btuh
2	Vented Attic/DarkShingle	30.0	468.0	1.7	775 Btuh
	Ceiling Total		2843 (sqft)		4708 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	320 (ft(p))	0.0	0 Btuh
	Floor Total		320.0 (sqft)		0 Btuh

				Zone Envelope Subtotal:	21743 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.15	21880	2657	54.7	1018 Btuh

Internal gain	Occupants		Btuh/occupant		Appliance	Load
	0	X	230	+	1200	1200 Btuh

		Sensible Envelope Load:	23961 Btuh
Duct load	Average sealed, Supply(R6.6-Attic), Return(R6.6-Attic)	(DGM of 0.208)	4988 Btuh
		Sensible Zone Load	**28949 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Gonzalez

,

Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

2/20/2009

Manual J Summer Calculations

Residential Load - Component Details (continued)

Gonzalez

,

Project Title:
BW Gonzalez

Code Only
Professional Version
Climate: North

2/20/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**23961 Btuh**
	Sensible Duct Load	4988 Btuh
	Total Sensible Zone Loads	**28949 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**28949 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	1999 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1251 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**3250 Btuh**
	TOTAL GAIN	**32200 Btuh**

EQUIPMENT

1. Central Unit	#	60000 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

Gonzalez

,

Project Title:
BW Gonzalez

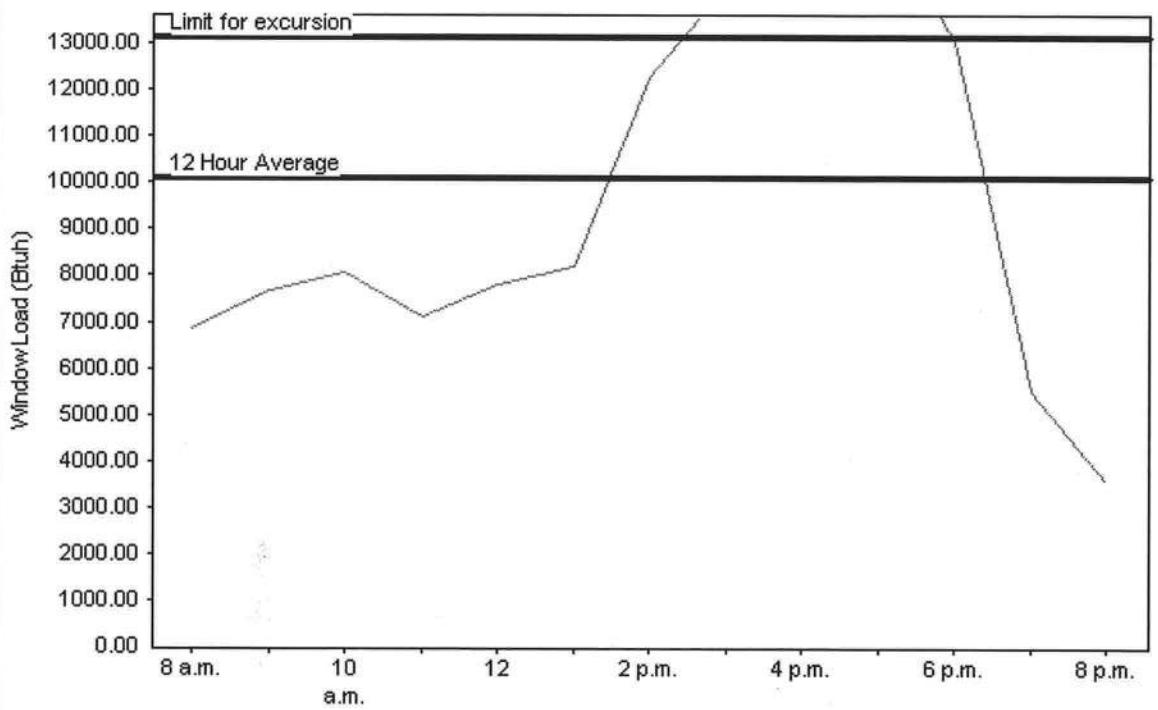
Code Only
Professional Version
Climate: North

2/20/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	10104 Btu
Summer setpoint	75 F	Peak window load for July	15511 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	13135 Btu
Latitude	29 North	Window excursion (July)	2376 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: _____

FORM 600A-2004R

EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**BW Gonzalez**	Builder:	**Built Wright**
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	27682
Owner:	**Gonzalez**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	
2. Single family or multi-family	Single family	
3. Number of units, if multi-family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	2735 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 324.0 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint) 324.0 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 320.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Wood, Exterior	R=11.0, 2657.0 ft²	
b. N/A		
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 2375.0 ft²	
b. Under Attic	R=30.0, 468.0 ft²	
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.6, 175.0 ft	
b. N/A		

12. Cooling systems		
a. Central Unit	Cap: 60.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 60.0 kBtu/hr	
	HSPF: 8.80	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 52.0 gallons	
	EF: 0.95	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.12

Total as-built points: 30362
Total base points: 34370

PASS

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

PREPARED BY: [signature]

DATE: 2-19-09

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

OWNER/AGENT: Leon Wright

DATE: 2-19-09

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.

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2735.0	18.59	9152.0	1.Double, Tint	N	2.0	6.0	24.0	14.84	0.90	320.0
				2.Double, Tint	S	2.0	6.0	30.0	28.73	0.78	668.0
				3.Double, Tint	S	10.0	7.0	54.0	28.73	0.48	741.0
				4.Double, Tint	S	1.0	7.0	16.0	28.73	0.97	444.0
				5.Double, Tint	E	1.0	8.0	15.0	33.89	0.99	503.0
				6.Double, Tint	E	1.0	15.0	18.0	33.89	1.00	607.0
				7.Double, Tint	E	1.0	8.0	18.0	33.89	0.99	604.0
				8.Double, Tint	W	1.0	10.0	35.0	30.93	1.00	1077.0
				9.Double, Tint	W	1.0	7.0	12.0	30.93	0.98	364.0
				10.Double, Tint	W	1.0	7.0	18.0	30.93	0.98	547.0
				11.Double, Tint	W	1.0	7.0	12.0	30.93	0.98	364.0
				12.Double, Tint	W	2.0	6.0	30.0	30.93	0.85	788.0
				13.Double, Tint	W	2.0	6.0	30.0	30.93	0.85	788.0
				14.Double, Tint	W	2.0	5.0	12.0	30.93	0.80	296.0
				As-Built Total:				**324.0**			**8111.0**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	11.0	2657.0	1.70	4516.9
Exterior	2657.0	1.70	4516.9					
Base Total:	**2657.0**		**4516.9**	**As-Built Total:**		**2657.0**		**4516.9**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	21.0	2.40	50.4	1.Exterior Insulated	42.0	4.10	172.2
Exterior	42.0	6.10	256.2	2.Adjacent Wood	21.0	2.40	50.4
Base Total:	**63.0**		**306.6**	**As-Built Total:**	**63.0**		**222.6**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2735.0	1.73	4731.5	1. Under Attic	30.0	2375.0	1.73 X 1.00	4108.8
				2. Under Attic	30.0	468.0	1.73 X 1.00	809.6
Base Total:	**2735.0**		**4731.5**	**As-Built Total:**		**2843.0**		**4918.4**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	320.0(p)	-37.0	-11840.0	1. Slab-On-Grade Edge Insulation	0.0	320.0(p	-41.20	-13184.0
Raised	0.0	0.00	0.0					
Base Total:			**-11840.0**	**As-Built Total:**		**320.0**		**-13184.0**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	2735.0	10.21	27924.3				2735.0	10.21		27924.3
Summer Base Points: 34791.4				**Summer As-Built Points:**						**32509.2**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
				(sys 1: Central Unit 60000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.6(INS)						
				32509	1.00	(1.08 x 1.147 x 0.91)	0.260	1.000		9566.1
34791.4	**0.3250**		**11307.2**	**32509.2**	**1.00**	**1.132**	**0.260**	**1.000**		**9566.1**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points
.18 2735.0	20.17	9930.0

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF =	Points
1.Double, Tint	N	2.0	6.0	24.0	25.37	1.00	611.0
2.Double, Tint	S	2.0	6.0	30.0	15.87	1.26	599.0
3.Double, Tint	S	10.0	7.0	54.0	15.87	3.22	2761.0
4.Double, Tint	S	1.0	7.0	16.0	15.87	1.01	256.0
5.Double, Tint	E	1.0	8.0	15.0	20.51	1.01	310.0
6.Double, Tint	E	1.0	15.0	18.0	20.51	1.00	370.0
7.Double, Tint	E	1.0	8.0	18.0	20.51	1.01	372.0
8.Double, Tint	W	1.0	10.0	35.0	22.15	1.00	776.0
9.Double, Tint	W	1.0	7.0	12.0	22.15	1.00	267.0
10.Double, Tint	W	1.0	7.0	18.0	22.15	1.00	400.0
11.Double, Tint	W	1.0	7.0	12.0	22.15	1.00	267.0
12.Double, Tint	W	2.0	6.0	30.0	22.15	1.04	692.0
13.Double, Tint	W	2.0	6.0	30.0	22.15	1.04	692.0
14.Double, Tint	W	2.0	5.0	12.0	22.15	1.06	281.0
As-Built Total:				**324.0**			**8654.0**

WALL TYPES	Area X	BWPM =	Points
Adjacent	0.0	0.00	0.0
Exterior	2657.0	3.70	9830.9
Base Total:	**2657.0**		**9830.9**

Type	R-Value	Area X	WPM =	Points
1. Frame, Wood, Exterior	11.0	2657.0	3.70	9830.9
As-Built Total:		**2657.0**		**9830.9**

DOOR TYPES	Area X	BWPM =	Points
Adjacent	21.0	11.50	241.5
Exterior	42.0	12.30	516.6
Base Total:	**63.0**		**758.1**

Type	Area X	WPM =	Points
1.Exterior Insulated	42.0	8.40	352.8
2.Adjacent Wood	21.0	11.50	241.5
As-Built Total:	**63.0**		**594.3**

CEILING TYPES	Area X	BWPM =	Points
Under Attic	2735.0	2.05	5606.8
Base Total:	**2735.0**		**5606.8**

Type	R-Value	Area X	WPM X WCM =	Points
1. Under Attic	30.0	2375.0	2.05 X 1.00	4868.8
2. Under Attic	30.0	468.0	2.05 X 1.00	959.4
As-Built Total:		**2843.0**		**5828.1**

FLOOR TYPES	Area X	BWPM =	Points
Slab	320.0(p)	8.9	2848.0
Raised	0.0	0.00	0.0
Base Total:			**2848.0**

Type	R-Value	Area X	WPM =	Points
1. Slab-On-Grade Edge Insulation	0.0	320.0(p	18.80	6016.0
As-Built Total:		**320.0**		**6016.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM =	Points				Area X	WPM =	Points	
	2735.0	-0.59	-1613.6				2735.0	-0.59	-1613.6	
Winter Base Points:			**27360.1**	**Winter As-Built Points:**						**29309.7**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 60000 btuh ,EFF(8.8) Ducts:Unc(S),Unc(R),Int(AH),R6.6						
				29309.7	1.000	(1.064 x 1.169 x 0.93)	0.387	1.000	13140.3	
27360.1	**0.5540**	**15157.5**		**29309.7**	**1.00**	**1.157**	**0.387**	**1.000**	**13140.3**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	52.0	0.95	3		1.00	2551.79	1.00	7655.4
				As-Built Total:							**7655.4**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
11307	**15157**	**7905**	**34370**	**9566**	**13140**	**7655**	**30362**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.7

The higher the score, the more efficient the home.

Gonzalez, , , ,

1. New construction or existing	New	
2. Single family or multi-family	Single family	
3. Number of units, if multi-family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	2735 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 324.0 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint) 324.0 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=0.0, 320.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Wood, Exterior	R=11.0, 2657.0 ft²	
b. N/A		
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=30.0, 2375.0 ft²	
b. Under Attic	R=30.0, 468.0 ft²	
c. N/A		
11. Ducts		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.6, 175.0 ft	
b. N/A		
12. Cooling systems		
a. Central Unit	Cap: 60.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 60.0 kBtu/hr	
	HSPF: 8.80	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 52.0 gallons	
	EF: 0.95	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

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

Builder Signature: _____ Date: _____

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

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

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

EnergyGauge® (Version: FLRCPB v4.5.2)

Tri-County Home Designs

April 20, 2009

To: Columbia County Building Department
Re: Built Wright Custom Homes - Gonzalez Residence
Permit #000027682

To Whom It May Concern:

Due to the unique topographical makeup of the Gonzalez site, it will be cost prohibitive for both the Owner and the Builder to elevate the finished floor 24" above the adjacent road per Columbia County Ordinance.

The finished floor elevation of the residence as verified per site visit on April 20, 2009 will be at an adequate elevation above adjacent grade to prevent water intrusion.

Please do not hesitate to contact me if you have any further questions.

Sincerely,

Randy Wiggins, P.E. FL#15721

P.O. Box 285 Trenton, FL 32693 352-463-8857
www.tchdesigns.com tchdesigns@gmail.com

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 09-7S-16-04161-116 **Building permit No.** 000027682

Use Classification SFD,UTILITY **Fire:** 6.42

Permit Holder LEON THOMAS WRIGHT **Waste:** 16.75

Owner of Building DOUGLAS GONZALEZ **Total:** 23.17

Location: 464 SW PLEASANT HILL GLEN, FT. WHITE, FL

Date: 09/15/2009

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

AC# 4269718

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L09021801669

DATE	BATCH NUMBER	LICENSE NBR
02/18/2009	080350928	QB45170

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2009
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

BUILT WRIGHT LLC
POB 383
OLD TOWN FL 32680

CHARLIE CRIST
GOVERNOR

CHARLES W. DRAGO
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC# 4269714

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L09021801665

DATE	BATCH NUMBER	LICENSE NBR
02/18/2009	080350928	CRC1328415

The RESIDENTIAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2010

WRIGHT, LEON THOMAS
BUILT WRIGHT LLC
718 N E 272 AVE
OLD TOWN FL 32680

CHARLIE CRIST
GOVERNOR

CHARLES W. DRAGO
SECRETARY

DISPLAY AS REQUIRED BY LAW

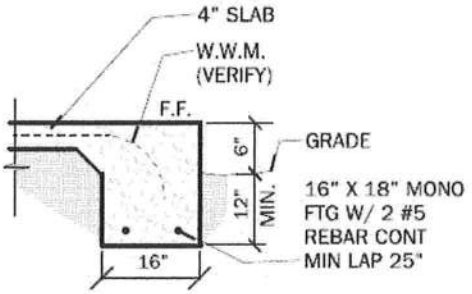
Tri-County Home Designs

March 5, 2009

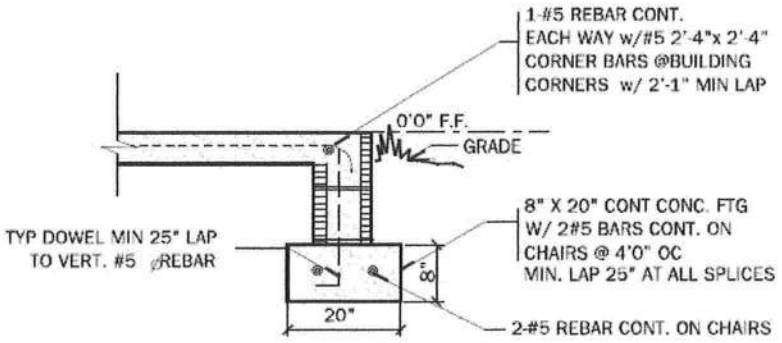
To: Columbia County Building Department
Re: Built Wright Custom Homes - Gonzalez Residence

To Whom It May Concern:

The Builder has elected to increase the footing width(s) for this project i.l.o. submitting engineering on the soil bearing value. Please see attached detail for new footing sizes.



1 SINGLE STORY FTG
BEARING SCALE: 1/2" = 1'0"



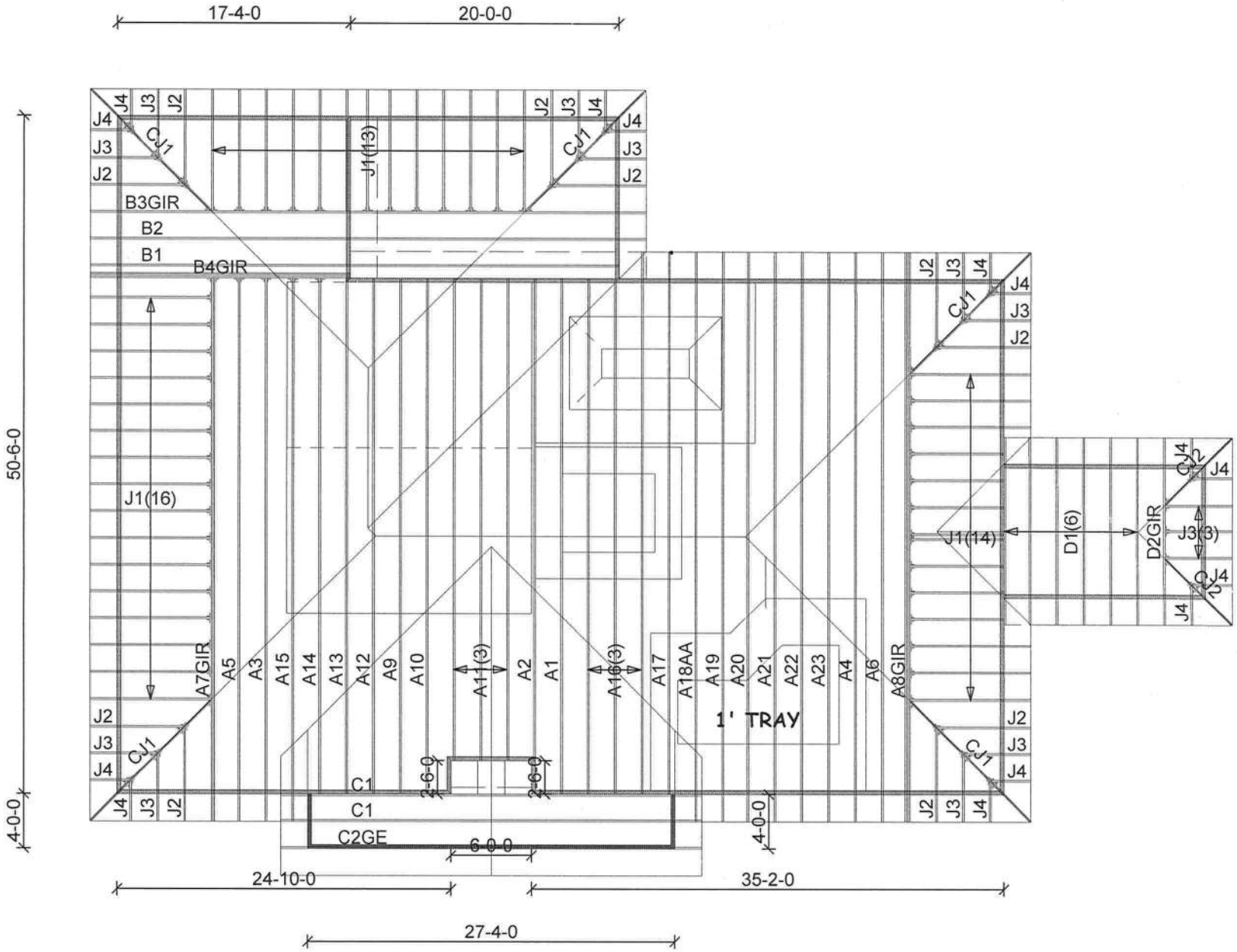
1a ALT. STEMWALL FOOTING
SCALE: 1/2" = 1'0"

Please do not hesitate to contact me if you have any further questions.

Sincerely,

Randy Wiggins, P.E. FL#15721

P.O. Box 285 Trenton, FL 32693 352-463-8857
www.tchdesigns.com tchdesigns@gmail.com



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

BUILT WRIGHT CUSTOM HOMES

GONZALEZ
COLUMBIA COUNTY

120 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: BW-GONZALEZ
Designer: C. LITTLE
Checker:
Date: 03-05-09

RE: BW-GONZALEZ -

Site Information:
Customer Info: BUILT WRIGHT CUSTOM HOMES Model: GONZALEZ
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: FBC2004/TPI2002 Design Program: Robbins OnLine Plus 23.0.052
Wind Code: ASCE 7-02 Wind Speed: 120 mph
Roof Load: 40.0 psf

This package includes 37 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	T3292400	A1	2/25/09	18	T3292417	A18AA	2/25/09
2	T3292401	A2	2/25/09	19	T3292418	A19	2/25/09
3	T3292402	A3	2/25/09	20	T3292419	A20	2/25/09
4	T3292403	A4	2/25/09	21	T3292420	A21	2/25/09
5	T3292404	A5	2/25/09	22	T3292421	A22	2/25/09
6	T3292405	A6	2/25/09	23	T3292422	A23	2/25/09
7	T3292406	A7GIR	2/25/09	24	T3292423	B1	2/25/09
8	T3292407	A8GIR	2/25/09	25	T3292424	B2	2/25/09
9	T3292408	A9	2/25/09	26	T3292425	B3GIR	2/25/09
10	T3292409	A10	2/25/09	27	T3292426	B4GIR	2/25/09
11	T3292410	A11	2/25/09	28	T3292427	C1	2/25/09
12	T3292411	A12	2/25/09	29	T3292428	C2GE	2/25/09
13	T3292412	A13	2/25/09	30	T3292429	CJ1	2/25/09
14	T3292413	A14	2/25/09	31	T3292430	CJ2	2/25/09
15	T3292414	A15	2/25/09	32	T3292431	D1	2/25/09
16	T3292415	A16	2/25/09	33	T3292432	D2GIR	2/25/09
17	T3292416	A17	2/25/09	34	T3292433	J1	2/25/09

The truss drawing(s) referenced above have been prepared by Robbins Engineering, 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.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

6904 Parke East Boulevard
Tampa, FL 33610-4115
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbinseng.com

February 25,2009

RE: BW-GONZALEZ -

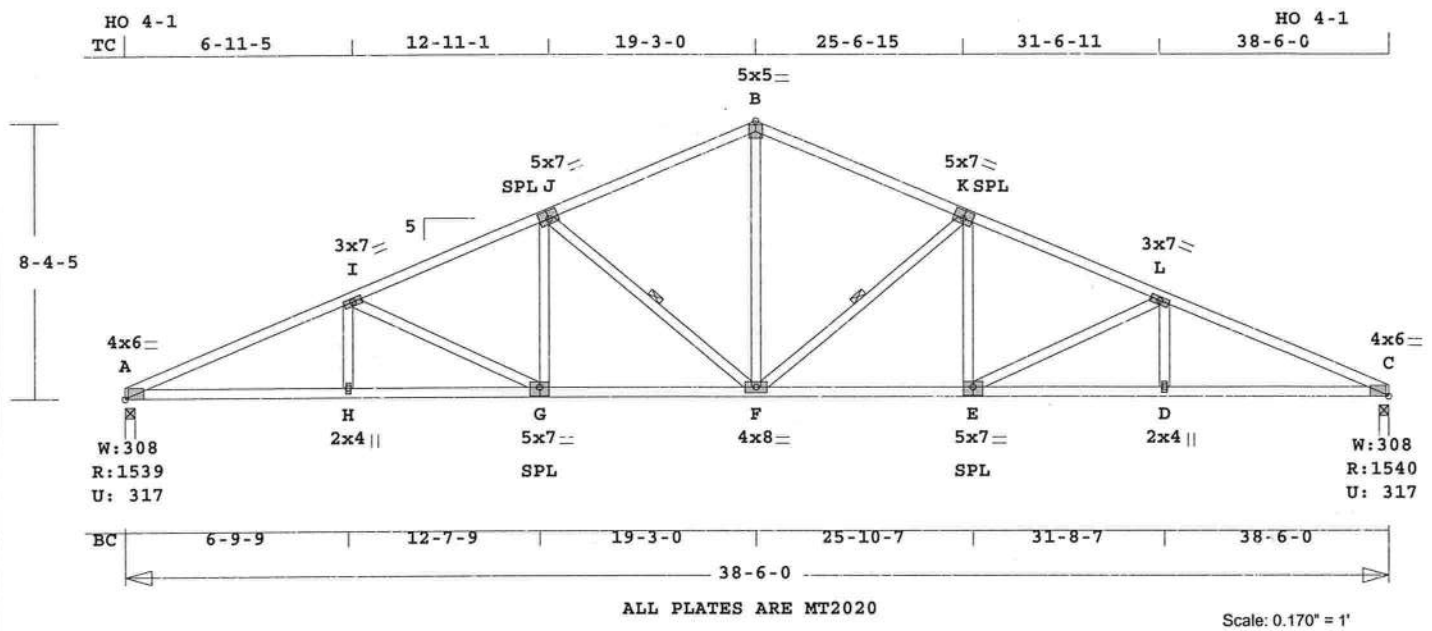
Site Information:

Project Customer: BUILT WRIGHT CUSTOM HOMES Project Name: GONZALEZ
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

No.	Seal#	Truss Name	Date
35	T3292434	J2	2/25/09
36	T3292435	J3	2/25/09
37	T3292436	J4	2/25/09

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*A1*	1	TR	80600	5	0	0	*T3292400*

GONZALEZ



ALL PLATES ARE MT2020

Scale: 0.170" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 249.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.55	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
WB	0.61	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
J -F F -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	1540	317 U	187 R
C	1540	317 U	187 R

Jt	Brg Size	Required
A	3.5"	1.8"
C	3.5"	1.8"

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	0.53	3244 C	0.24 0.29
I -J	0.55	2661 C	0.21 0.34
J -B	0.51	1998 C	0.17 0.34
B -K	0.51	1998 C	0.17 0.34
K -L	0.55	2661 C	0.21 0.34
L -C	0.53	3244 C	0.24 0.29
--------Bottom Chords---------			
A -H	0.62	2995 T	0.50 0.12
H -G	0.60	2995 T	0.50 0.10
G -F	0.54	2459 T	0.41 0.13
F -E	0.54	2459 T	0.41 0.13
E -D	0.60	2995 T	0.50 0.10
D -C	0.62	2995 T	0.50 0.12
----------Webs----------			
H -I	0.03	242 T	
I -G	0.39	595 C	
G -J	0.07	442 T	
J -F	0.22	801 C	1 Br
F -B	0.61	1156 T	
F -K	0.22	801 C	1 Br
E -K	0.07	442 T	
E -L	0.39	595 C	
D -L	0.03	242 T	

TL Defl -0.40" in G -F L/999
LL Defl -0.19" in F -E L/999
Shear // Grain in J -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	4.0x 6.0	Ctr	0.1	0.72
I	MT20	3.0x 7.0	Ctr	Ctr	0.19
J	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
K	MT20	5.0x 7.0	0.2	0.5	0.38
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	4.0x 6.0	Ctr	0.1	0.72
H	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	5.0x 7.0	Ctr	-0.5	0.59
F	MT20	4.0x 8.0	Ctr	Ctr	0.35
E	MT20	5.0x 7.0	Ctr	-0.5	0.59
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

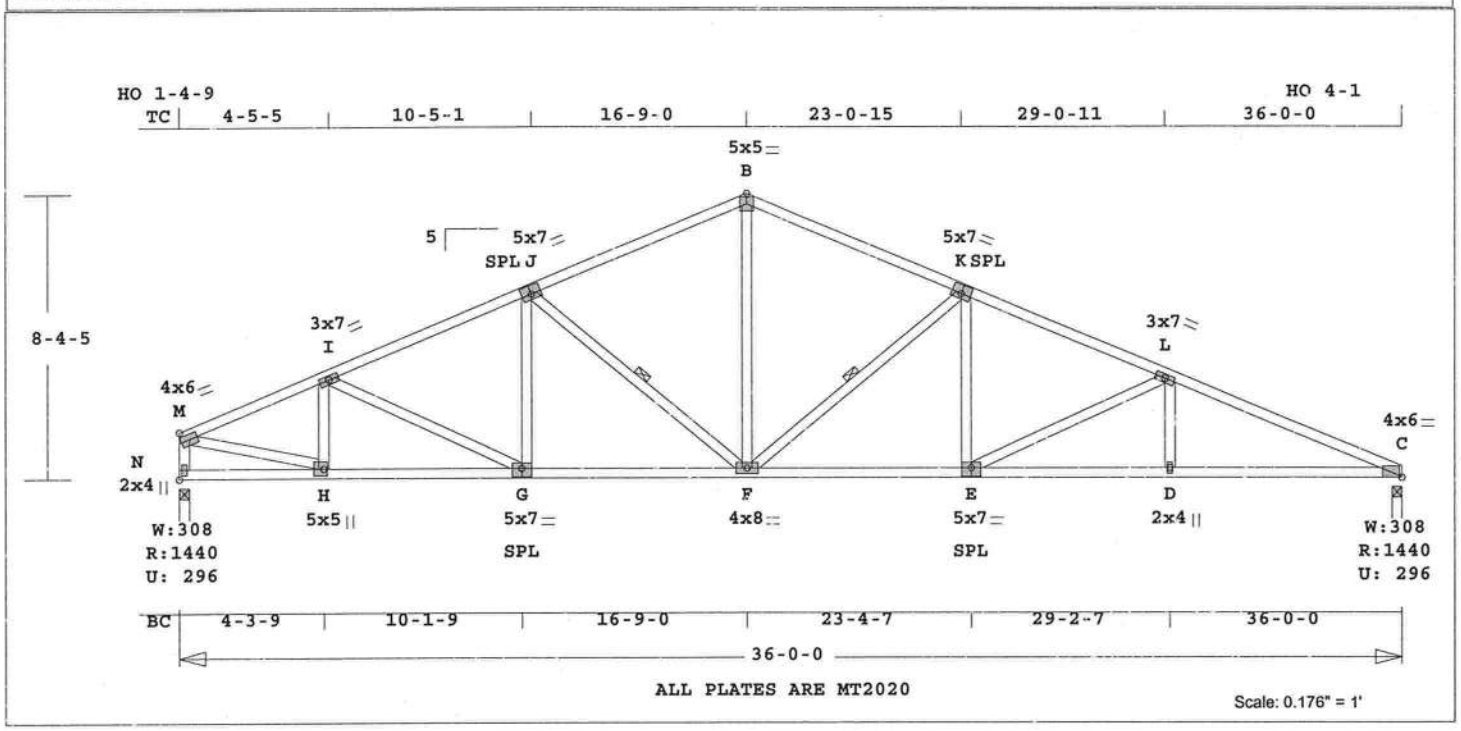
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3244 Lbs
Max tens. force 2995 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*A2*	1	TR	360000	5	0	0	*T3292401*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 249.2 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.53	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
WB	0.51	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0

One Continuous Lateral Brace
J -F F -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-
N	1440	297 U	203 R
C	1440	297 U	177 R

Jt	Brg Size	Required
N	3.5"	1.7"
C	3.5"	1.7"

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----------				
M -I	0.40	2028 C	0.16	0.24
I -J	0.52	2144 C	0.17	0.35
J -B	0.50	1741 C	0.15	0.35
B -K	0.49	1741 C	0.15	0.34
K -L	0.53	2406 C	0.19	0.34
L -C	0.51	2996 C	0.22	0.29
--------Bottom Chords--------				
N -H	0.13	185 T	0.00	0.13
H -G	0.42	1883 T	0.31	0.11
G -F	0.46	1984 T	0.33	0.13
F -E	0.50	2223 T	0.37	0.13
E -D	0.56	2767 T	0.46	0.10
D -C	0.59	2767 T	0.46	0.13
----------Webs----------				
N -M	0.13	1403 C	WindLd	
M -H	0.36	1953 T		
H -I	0.06	411 C		
I -G	0.02	111 T		
G -J	0.03	218 T		
J -F	0.14	493 C		1 Br
F -B	0.51	961 T		
F -K	0.23	804 C		1 Br
E -K	0.07	444 T		
E -L	0.39	603 C		
D -L	0.03	244 T		

TL Defl -0.30" in F -E L/999
LL Defl -0.14" in E -D L/999
Shear // Grain in J -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
M	MT20	4.0x 6.0	Ctr	Ctr	0.60
I	MT20	3.0x 7.0	Ctr	Ctr	0.19
J	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
K	MT20	5.0x 7.0	0.2	0.5	0.38
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	4.0x 6.0	Ctr	0.1	0.66
N	MT20	2.0x 4.0	Ctr	Ctr	0.60
H	MT20	5.0x 5.0	-1.2	0.1	0.83
G	MT20	5.0x 7.0	Ctr	-0.5	0.43
F	MT20	4.0x 8.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.54
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

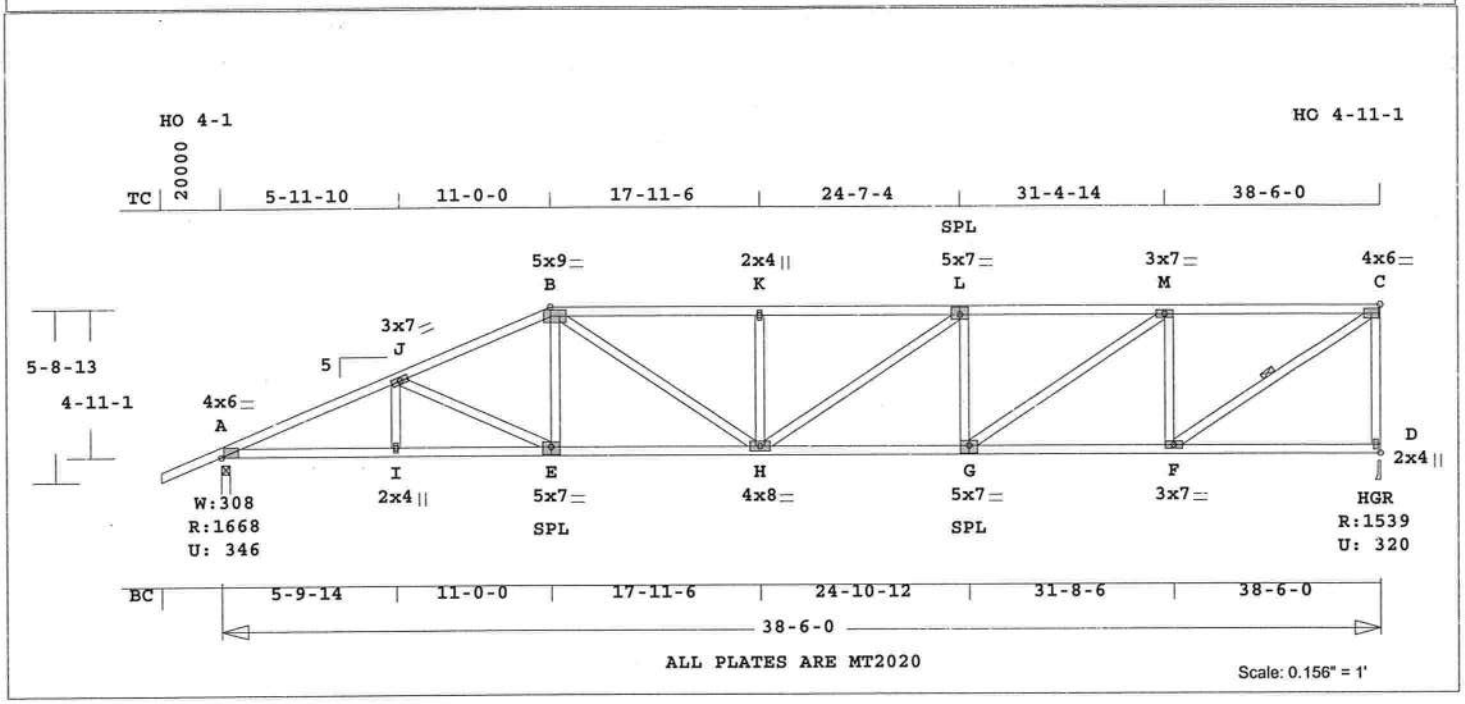
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2996 Lbs
Max tens. force 2767 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A3	1	HHIP	380600	5	2- 0- 0	0	T3292402

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 266.2 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.58	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
WB	0.64	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
F -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	1668	347 U	125 R
D	1540	320 U	194 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	1.8"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -J	0.44	3280 C	0.23	0.21
J -B	0.41	2824 C	0.20	0.21
B -K	0.58	3205 C	0.15	0.43
K -L	0.51	3205 C	0.06	0.45
L -M	0.56	2945 C	0.05	0.51
M -C	0.53	1924 C	0.02	0.51
--------Bottom Chords---------				
A -I	0.58	3023 T	0.50	0.08
I -E	0.62	3023 T	0.50	0.12
E -H	0.55	2605 T	0.43	0.12
H -G	0.61	2945 T	0.49	0.12
G -F	0.49	1924 T	0.20	0.29
F -D	0.29	152 T	0.00	0.29
----------Webs----------				
I -J	0.02	189 T		
J -E	0.23	452 C		
E -B	0.06	390 T		
B -H	0.31	720 T		
H -K	0.14	438 C		
H -L	0.21	314 T		
G -L	0.18	564 C		
G -M	0.64	1235 T		
F -M	0.38	1157 C		
F -C	0.43	2328 T		1 Br
D -C	0.48	1481 C	WindLd	

TL Defl -0.47" in E -H L/969
LL Defl -0.23" in H -G L/999
Shear // Grain in M -C 0.32

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	Ctr	0.1	0.72
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
L	MT20	5.0x 7.0	Ctr	0.5	0.39
M	MT20	3.0x 7.0	Ctr	Ctr	0.42
C	MT20	4.0x 6.0	Ctr	Ctr	0.69
I	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.59
H	MT20	4.0x 8.0	Ctr	Ctr	0.29
G	MT20	5.0x 7.0	Ctr	-0.5	0.64
F	MT20	3.0x 7.0	Ctr	Ctr	0.80
D	MT20	2.0x 4.0	Ctr	Ctr	0.50

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

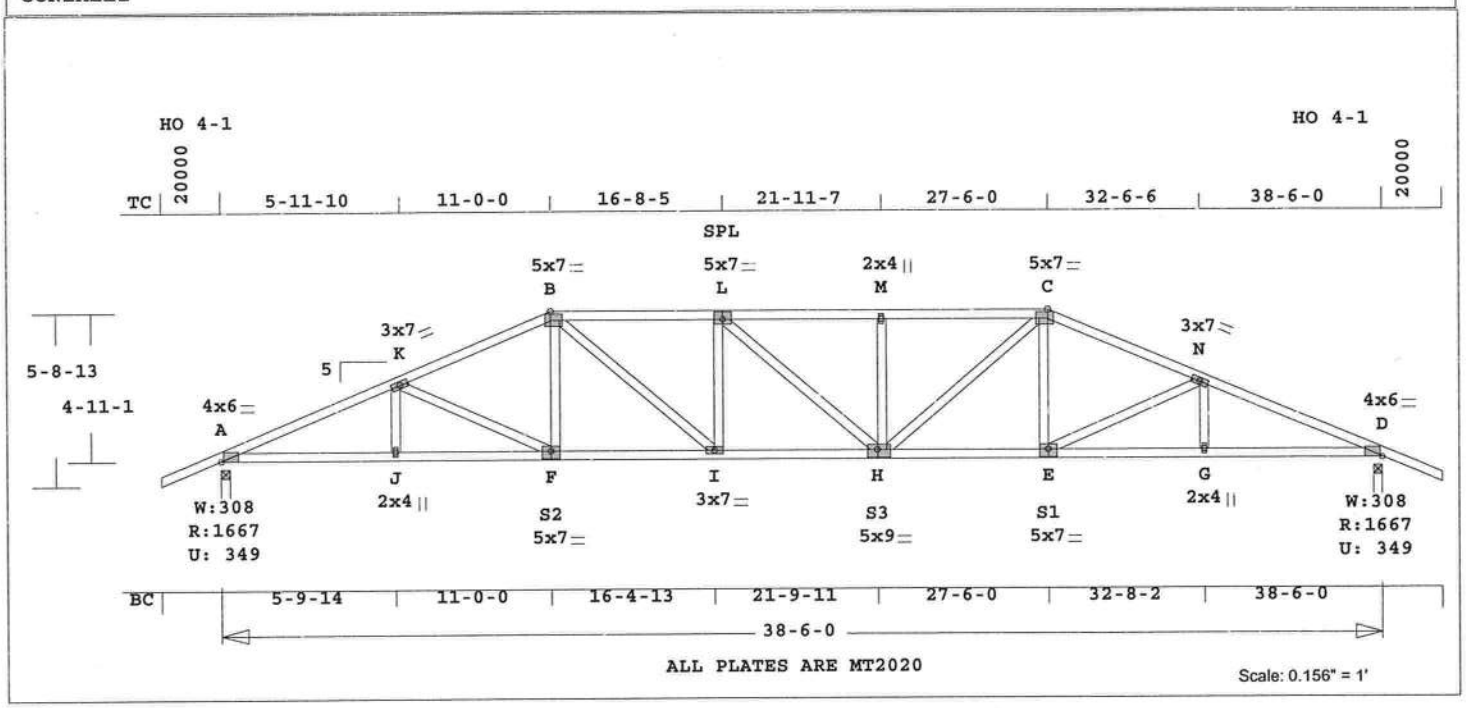
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3280 Lbs
Max tens. force 3023 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A4	1	HIPP	380600	5	2- 0- 0	2- 0- 0	T3292403

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 257.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.45	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	106 R
D	1668	349 U	106 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -K	0.45	3283 C	0.23	0.22
K -B	0.42	2817 C	0.20	0.22
B -L	0.38	3125 C	0.23	0.15
L -M	0.39	3124 C	0.23	0.16
M -C	0.38	3124 C	0.22	0.16
C -N	0.42	2817 C	0.20	0.22
N -D	0.45	3282 C	0.23	0.22
--------Bottom Chords---------				
A -J	0.58	3026 T	0.50	0.08
J -S2	0.59	3026 T	0.50	0.09
S2-I	0.52	2596 T	0.43	0.09
I -S3	0.59	3125 T	0.52	0.07
S3-S1	0.52	2596 T	0.43	0.09
S1-G	0.59	3026 T	0.50	0.09
G -D	0.58	3026 T	0.50	0.08
----------Webs----------				
J -K	0.03	198 T		
K -S2	0.23	465 C		
S2-B	0.05	366 T		
B -I	0.26	690 T		
I -L	0.11	338 C		
L -S3	0.04	64 C		
S3-M	0.11	338 C		
S3-C	0.26	689 T		
S1-C	0.05	366 T		
S1-N	0.23	465 C		
G -N	0.03	198 T		

TL Defl -0.49" in I -S3 L/919
LL Defl -0.24" in I -S3 L/999
Shear // Grain in B -L 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	0.72
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 7.0	-0.5	Ctr	0.46
L	MT20	5.0x 7.0	Ctr	0.5	0.39
M	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	0.5	Ctr	0.46
N	MT20	3.0x 7.0	Ctr	Ctr	0.19
D	MT20	4.0x 6.0	Ctr	0.1	0.72
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
S2	MT20	5.0x 7.0	Ctr	-0.5	0.59
I	MT20	3.0x 7.0	Ctr	Ctr	0.25
S3	MT20	5.0x 9.0	0.5	-0.5	0.67
S1	MT20	5.0x 7.0	Ctr	-0.5	0.59
G	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

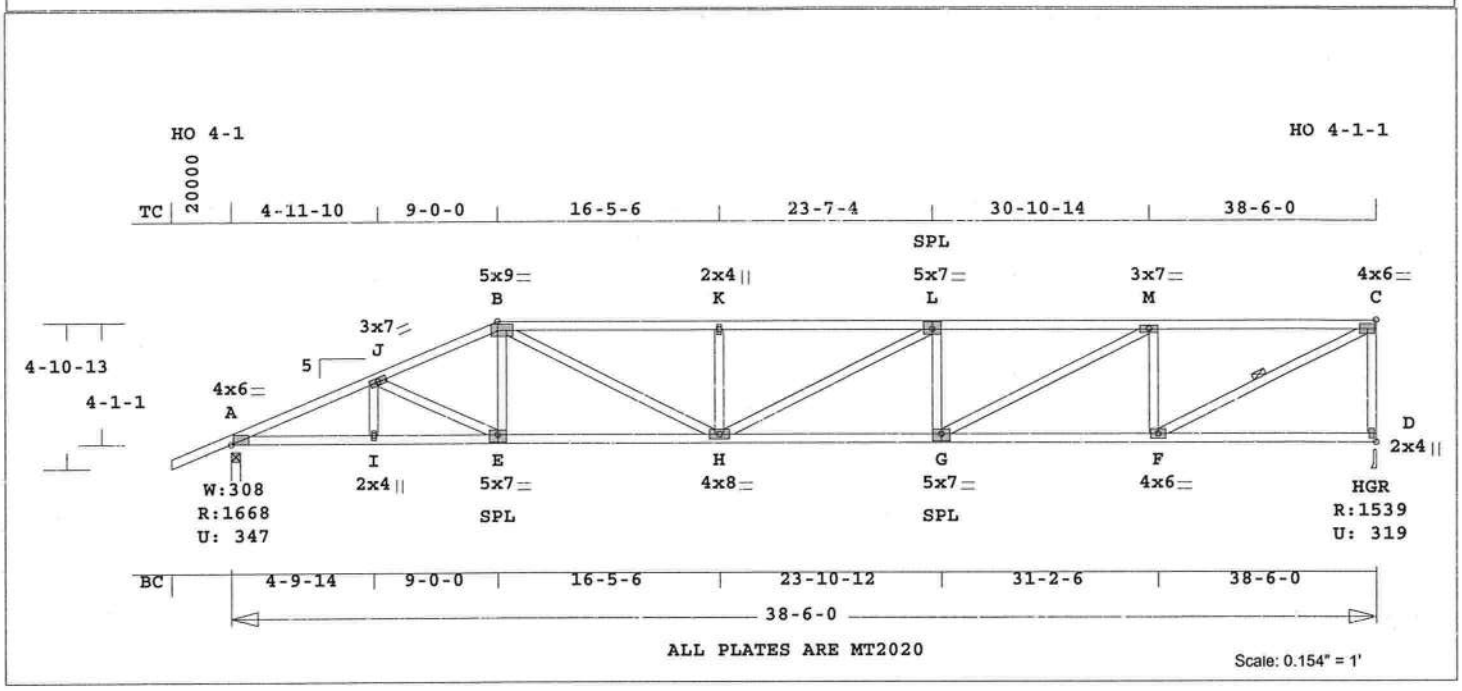
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 3283 Lbs
Max tens. force 3125 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A5	1	HHIP	380600	5	2- 0- 0	0	T3292404

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 255.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.82	2x 4	SP-#2
BC	0.76	2x 4	SP-#2
WB	0.70	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
F -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	1669	347 U	110 R
D	1540	319 U	158 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	1.8"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -J	0.34	3304 C	0.23	0.11
J -B	0.35	3017 C	0.21	0.14
B -K	0.82	3852 C	0.26	0.56
K -L	0.60	3852 C	0.10	0.50
L -M	0.67	3705 C	0.09	0.58
M -C	0.73	2486 C	0.11	0.62
--------Bottom Chords---------				
A -I	0.61	3039 T	0.51	0.10
I -E	0.63	3039 T	0.51	0.12
E -H	0.60	2790 T	0.46	0.14
H -G	0.76	3705 T	0.62	0.14
G -F	0.59	2486 T	0.41	0.18
F -D	0.33	123 T	0.00	0.33
----------Webs----------				
I -J	0.01	118 T		
J -E	0.09	277 T		
E -B	0.05	337 T		
B -H	0.53	1190 T		
H -K	0.10	464 C		
H -L	0.14	165 T		
G -L	0.11	493 C		
G -M	0.70	1373 T		
F -M	0.25	1129 C		
F -C	0.51	2803 T		1 Br
D -C	0.33	1476 C	WindLd	

TL Defl -0.64" in H -G L/713
LL Defl -0.30" in H -G L/999
Shear // Grain in M -C 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	0.73
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
L	MT20	5.0x 7.0	Ctr	0.5	0.40
M	MT20	3.0x 7.0	Ctr	Ctr	0.46
C	MT20	4.0x 6.0	Ctr	Ctr	0.82
I	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.60
H	MT20	4.0x 8.0	Ctr	Ctr	0.46
G	MT20	5.0x 7.0	Ctr	-0.5	0.80
F	MT20	4.0x 6.0	Ctr	Ctr	0.82
D	MT20	2.0x 4.0	Ctr	Ctr	0.50

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

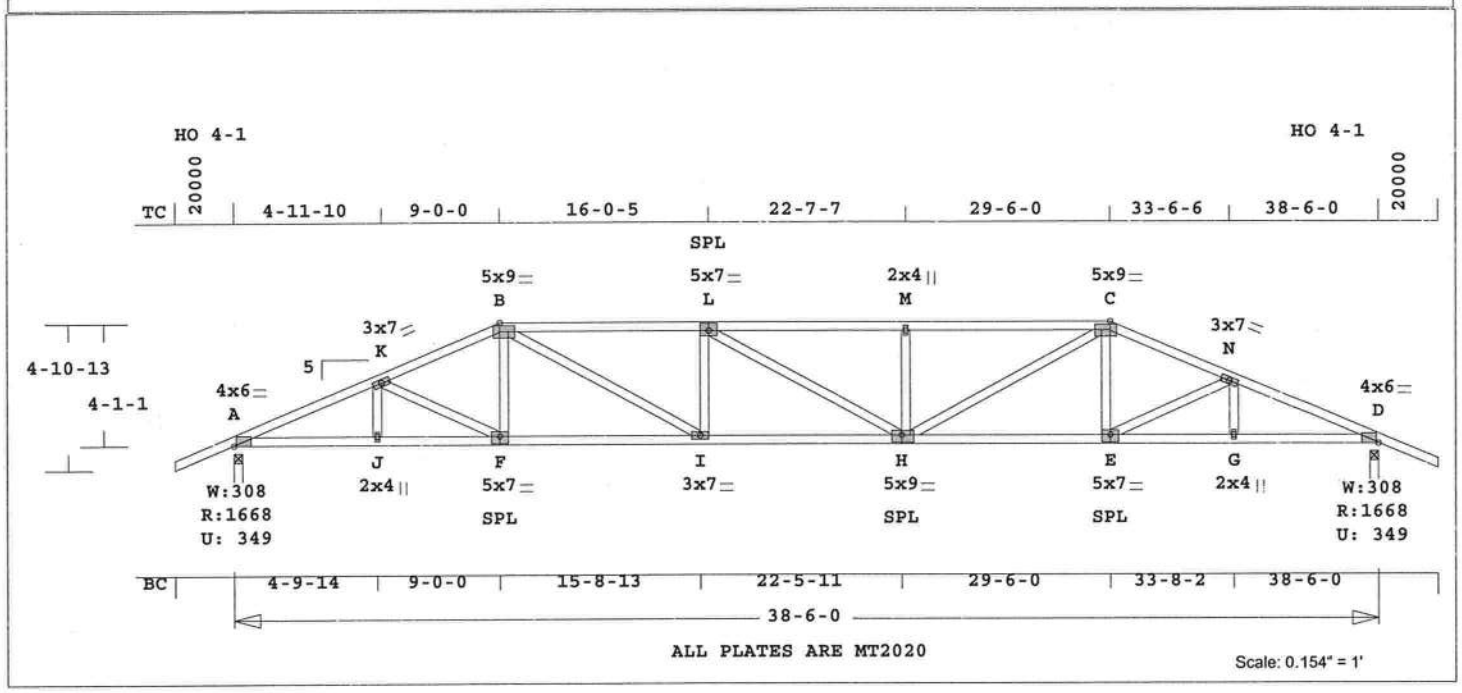
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3852 Lbs
Max tens. force 3705 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*A6*	1	HIPP	380600	5	2- 0- 0	2- 0- 0	*T3292405*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 248.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.65	2x 4	SP-#2
BC	0.74	2x 4	SP-#2
WB	0.50	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	86 R
D	1668	349 U	87 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -K	0.36	3305 C	0.22 0.14
K -B	0.36	3012 C	0.21 0.15
B -L	0.65	3796 C	0.21 0.44
L -M	0.51	3795 C	0.26 0.25
M -C	0.65	3795 C	0.21 0.44
C -N	0.36	3012 C	0.21 0.15
N -D	0.36	3305 C	0.22 0.14
--------Bottom Chords---------			
A -J	0.61	3040 T	0.51 0.10
J -F	0.62	3040 T	0.51 0.11
F -I	0.57	2784 T	0.46 0.11
I -H	0.74	3795 T	0.63 0.11
H -E	0.57	2784 T	0.46 0.11
E -G	0.62	3040 T	0.51 0.11
G -D	0.61	3040 T	0.51 0.10
----------Webs----------			
J -K	0.01	123 T	
K -F	0.09	283 T	
F -B	0.05	327 T	
B -I	0.50	1153 T	
I -L	0.09	419 C	
L -H	0.05	57 C	
H -M	0.09	419 C	
H -C	0.50	1152 T	
E -C	0.05	327 T	
E -N	0.09	283 T	
G -N	0.01	123 T	

TL Defl -0.64" in I -H L/711
LL Defl -0.31" in I -H L/999
Shear // Grain in B -L 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	0.73
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
L	MT20	5.0x 7.0	Ctr	0.5	0.44
M	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 9.0	Ctr	-0.1	0.49
N	MT20	3.0x 7.0	Ctr	Ctr	0.19
D	MT20	4.0x 6.0	Ctr	0.1	0.73
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 7.0	Ctr	-0.5	0.60
I	MT20	3.0x 7.0	Ctr	Ctr	0.39
H	MT20	5.0x 9.0	0.5	-0.5	0.82
E	MT20	5.0x 7.0	Ctr	-0.5	0.60
G	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

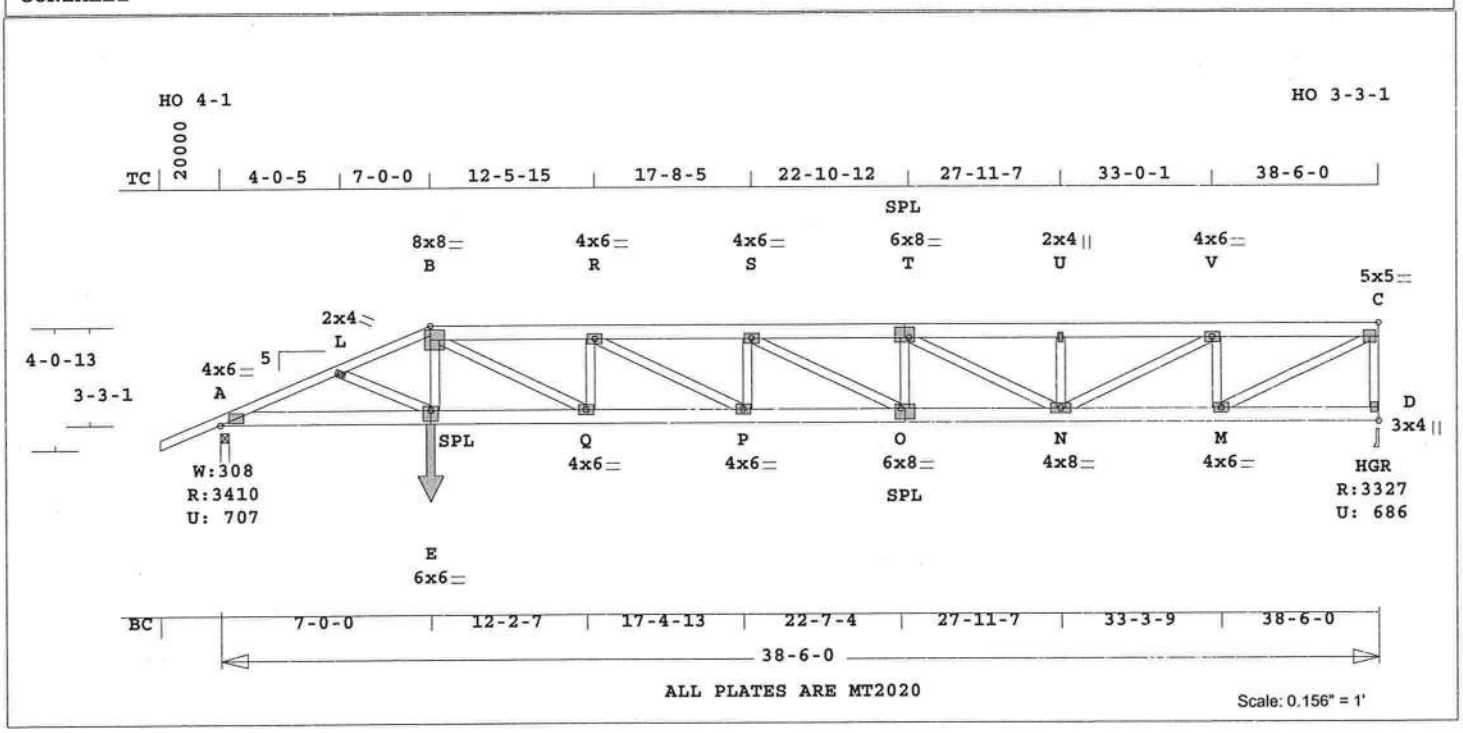
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 3796 Lbs
Max tens. force 3795 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A7GIR	1*3P	HHIP	380600	5	2- 0- 0	0	T3292406

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 315.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09
****
* 3-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.24	2x 4	SP-#2
--	0.22	2x 6	SP-#2
	B -T	T -C	
BC	0.55	2x 6	SP-#2
WB	0.39	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	3411	707 U	97 R
D	3327	687 U	114 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'	38.5'
BC V	20	0	0.0'	38.5'
TC V	25	50	7.0'	37.5'
TC V	-20	-40	37.5'	38.5'
BC V	25	0	7.0'	37.5'
BC V	-20	0	37.5'	38.5'
BC V	280	280	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 -L	0.20	7791 C	0.17 0.03
L -B	0.24	7765 C	0.17 0.07
B -R	0.22	10650 C	0.16 0.06
R -S	0.22	11948 C	0.18 0.04
S -T	0.22	11588 C	0.18 0.04
T -U	0.18	9471 C	0.14 0.04
U -V	0.19	9471 C	0.14 0.05
V -C	0.13	5672 C	0.08 0.05
--------Bottom Chords---------			
A -E	0.36	7164 T	0.29 0.07
E -Q	0.35	7189 T	0.29 0.06
Q -P	0.49	10650 T	0.43 0.06
P -O	0.55	11948 T	0.48 0.07
O -N	0.52	11588 T	0.46 0.06
N -M	0.27	5672 T	0.22 0.05
M -D	0.05	89 T	0.00 0.05
----------Webs----------			
L -E	0.00	164 T	
E -B	0.04	734 T	
B -Q	0.23	3871 T	
Q -R	0.04	1463 C	
R -P	0.09	1473 T	
P -S	0.02	483 C	
S -O	0.01	409 C	
O -T	0.03	616 T	
T -N	0.10	2403 C	
N -U	0.02	681 C	
N -V	0.26	4313 T	
M -V	0.08	2803 C	
M -C	0.39	6440 T	
D -C	0.10	3247 C	WindLd

TL Defl -0.51" in P -O L/890
LL Defl -0.25" in P -O L/999
Shear // Grain in B -R 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	4.0x 6.0	Ctr	Ctr	0.57
L	MT20	2.0x 4.0	Ctr	Ctr	0.13
B	MT20	8.0x 8.0	Ctr	Ctr	0.45
R	MT20	4.0x 6.0	Ctr	Ctr	0.14
S	MT20	4.0x 6.0	Ctr	Ctr	0.08
T	MT20	6.0x 8.0	Ctr	1.2	0.45
U	MT20	2.0x 4.0	Ctr	Ctr	0.12
V	MT20	4.0x 6.0	Ctr	Ctr	0.42
C	MT20	5.0x 5.0	Ctr	Ctr	0.66
E	MT20	6.0x 6.0	Ctr	-1.2	0.43
Q	MT20	4.0x 6.0	Ctr	Ctr	0.38
P	MT20	4.0x 6.0	Ctr	Ctr	0.14
O	MT20	6.0x 8.0	Ctr	-1.2	0.65
N	MT20	4.0x 8.0	Ctr	Ctr	0.56
M	MT20	4.0x 6.0	Ctr	Ctr	0.63
D	MT20	3.0x 4.0	Ctr	Ctr	0.24

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Half Hip
Framing King Jacks
Jack Open Faced

Setback 7- 0- 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.)

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

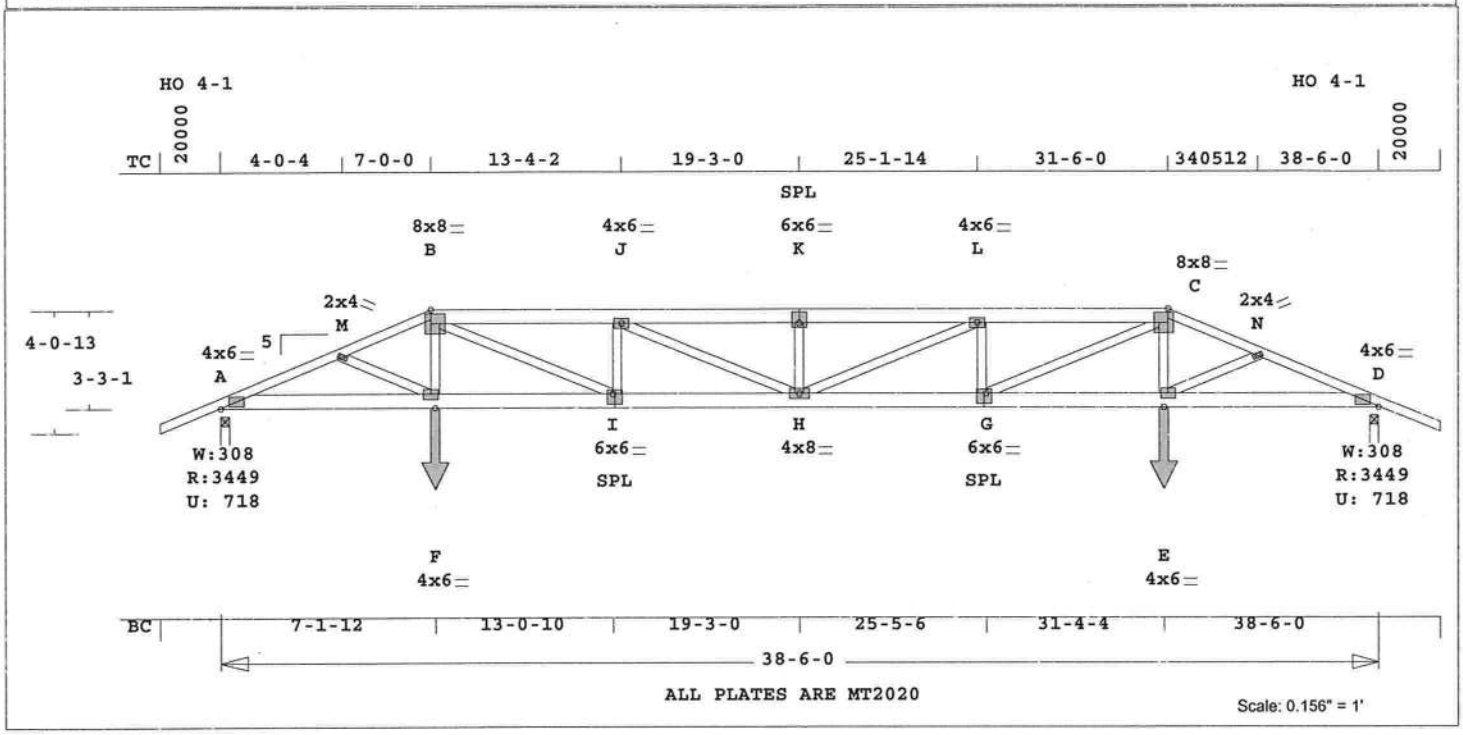
No bolts in 2x4s or smaller.
Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 11948 Lbs
Max tens. force 11948 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A8GIR	1*3P	HIPP	380600	5	2- 0- 0	2- 0- 0	T3292407

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 297.6 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09
****
* 3-Ply Truss *
****

	CSI	Size	Lumber
TC	0.27	2x 6	SP-#2
--	0.25	2x 4	SP-#2
	A -B	C -D	
BC	0.52	2x 6	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	3449	719 U	65 R
D	3449	719 U	65 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'	38.5'
BC V	20	0	0.0'	38.5'
TC V	25	50	7.0'	31.5'
BC V	25	0	7.1'	31.4'
BC V	280	280	7.1'	CL-LB
BC V	280	280	31.4'	CL-LB

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

Membr	CSI	P Lbs	Axl	CSI	Bnd
----------Top Chords----------					
A -M	0.22	7904	C	0.18	0.04
M -B	0.25	7879	C	0.18	0.07
B -J	0.25	11219	C	0.18	0.07
J -K	0.27	12330	C	0.20	0.07
K -L	0.27	12330	C	0.20	0.07
L -C	0.25	11219	C	0.18	0.07
C -N	0.25	7880	C	0.18	0.07
N -D	0.22	7904	C	0.18	0.04
--------Bottom Chords--------					
A -F	0.35	7264	T	0.29	0.06
F -I	0.36	7288	T	0.29	0.07
I -H	0.52	11217	T	0.45	0.07
H -G	0.52	11218	T	0.45	0.07
G -E	0.36	7288	T	0.29	0.07
E -D	0.35	7264	T	0.29	0.06
----------Webs----------					
M -F	0.00	152	T		
F -B	0.04	777	T		
B -I	0.26	4276	T		
I -J	0.04	1390	C		
J -H	0.07	1224	T		
H -K	0.03	780	C		
H -L	0.07	1223	T		
G -L	0.04	1390	C		
G -C	0.26	4276	T		
E -C	0.04	777	T		
E -N	0.00	152	T		

TL Defl -0.55" in H -G L/831
LL Defl -0.27" in I -H L/999
Shear // Grain in B -J 0.12

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	Ctr	0.58
M	MT20	2.0x 4.0	Ctr	Ctr	0.13
B	MT20	8.0x 8.0	Ctr	Ctr	0.47
J	MT20	4.0x 6.0	Ctr	Ctr	0.12
K	MT20	6.0x 6.0	Ctr	1.2	0.43
L	MT20	4.0x 6.0	Ctr	Ctr	0.12
C	MT20	8.0x 8.0	Ctr	Ctr	0.47
N	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	4.0x 6.0	Ctr	Ctr	0.58
F	MT20	4.0x 6.0	Ctr	Ctr	0.09
I	MT20	6.0x 6.0	Ctr	-1.2	0.66
H	MT20	4.0x 8.0	Ctr	Ctr	0.16
G	MT20	6.0x 6.0	Ctr	-1.2	0.66
E	MT20	4.0x 6.0	Ctr	Ctr	0.09

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 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	2	12	24	0
WB	1	8	8	

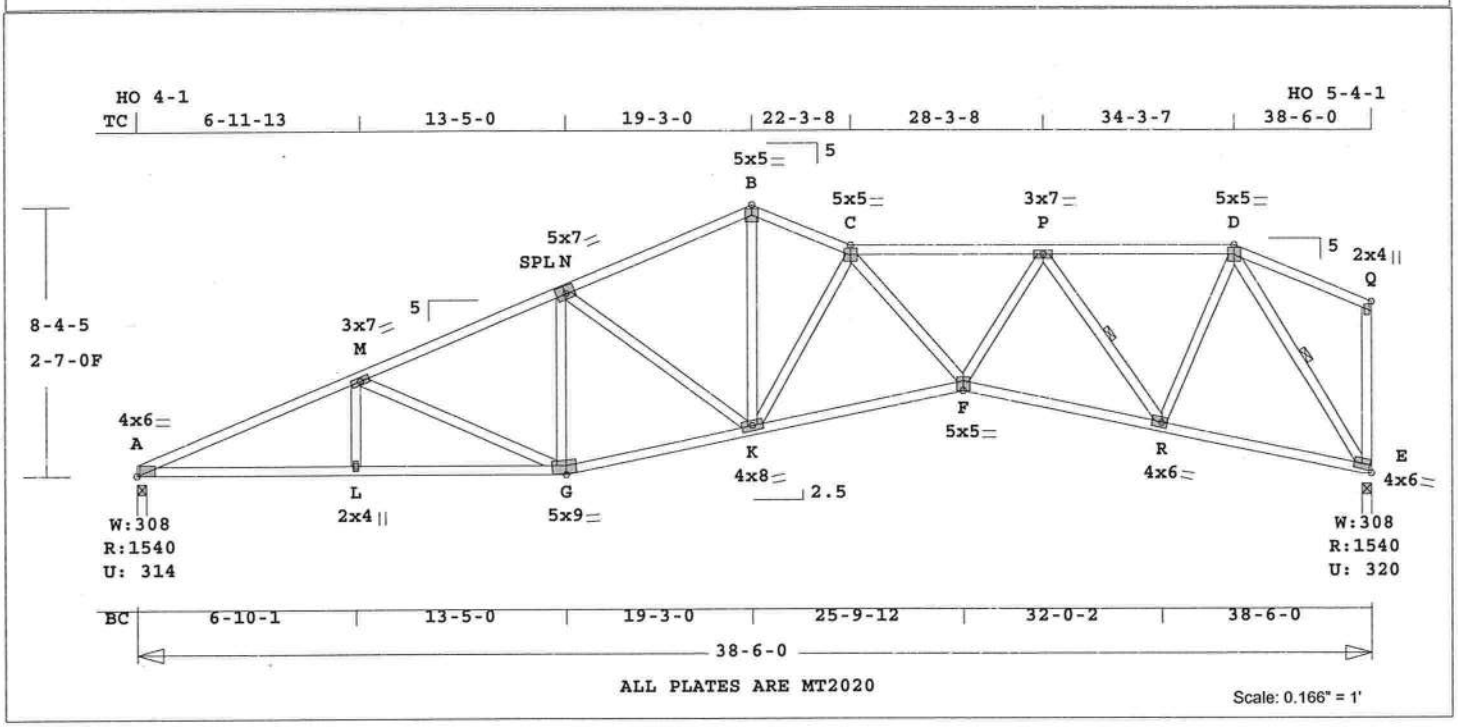
No bolts in 2x4s or smaller.
Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 12330 Lbs
Max tens. force 11218 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*A9*	1	SP	380600	5	0	0	*T3292408*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 281.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
WB	0.89	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
P -R D -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	1540	314 U	155 R
E	1540	321 U	282 R

Jt	Brg Size	Required
A	3.5"	1.8"
E	3.5"	1.8"

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	0.56	3249 C	0.24 0.32
M -N	0.54	2600 C	0.20 0.34
N -B	0.52	2346 C	0.18 0.34
B -C	0.36	2315 C	0.19 0.17
C -P	0.40	3054 C	0.23 0.17
P -D	0.44	1470 C	0.01 0.43
D -Q	0.33	203 T	0.00 0.33
--------Bottom Chords---------			
A -L	0.62	3002 T	0.50 0.12
L -G	0.60	3002 T	0.50 0.10
G -K	0.51	2455 T	0.41 0.10
K -F	0.62	2954 T	0.49 0.13
F -R	0.58	2459 T	0.41 0.17
R -E	0.37	964 T	0.10 0.27
----------Webs----------			
L -M	0.04	261 T	
M -G	0.48	653 C	
G -N	0.05	143 T	
N -K	0.24	317 T	
K -B	0.60	1482 T	
K -C	0.89	1482 C	
C -F	0.04	243 T	
F -P	0.22	1226 T	
P -R	0.32	1671 C	1 Br
R -D	0.31	1340 T	
D -E	0.46	1794 C	1 Br
E -Q	0.13	258 T	WindLd

TL Defl -0.44" in K -F L/999
LL Defl -0.21" in G -K L/999

Hz Disp	LL	DL	TL
Jt E	0.11"	0.11"	0.22"

Shear // Grain in P -D 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	4.0x 6.0	Ctr	0.1	0.72
M	MT20	3.0x 7.0	Ctr	Ctr	0.19
N	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.42
C	MT20	5.0x 5.0	Ctr	Ctr	0.52
P	MT20	3.0x 7.0	Ctr	Ctr	0.61
D	MT20	5.0x 5.0	Ctr	-0.1	0.53
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	5.0x 9.0	-0.8	2.9	0.59
K	MT20	4.0x 8.0	Ctr	Ctr	0.52
F	MT20	5.0x 5.0	Ctr	-1.1	0.65
R	MT20	4.0x 6.0	-0.8	0.2	0.62
E	MT20	4.0x 6.0	Ctr	Ctr	0.48

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

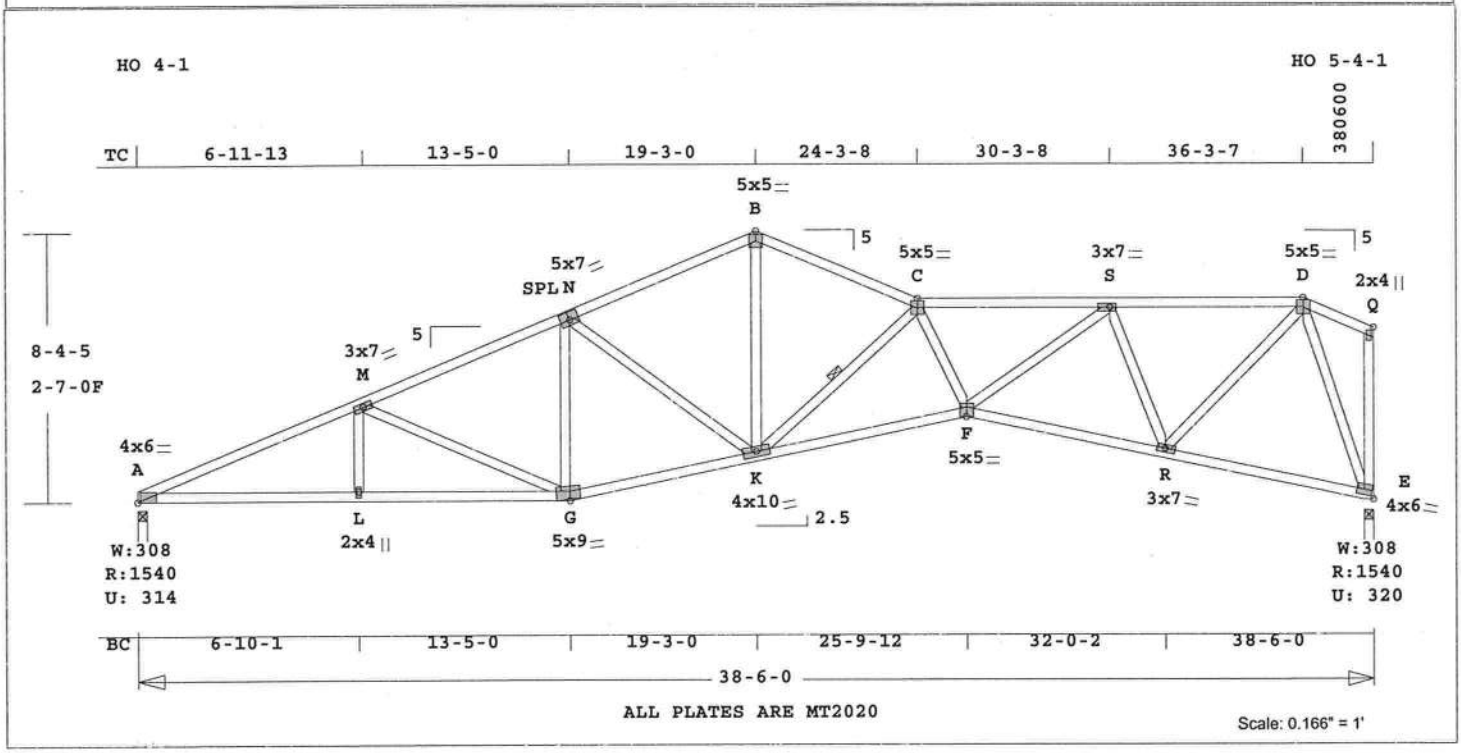
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3249 Lbs
Max tens. force 3002 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A10	1	SP	380600	5	0	0	T3292409

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 275.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
BC	0.72	2x 4	SP-#1
--	0.62	2x 4	SP-#2
	A -G		
WB	0.91	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
K -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	1540	314 U	155 R
E	1540	321 U	282 R

Jt	Brg Size	Required
A	3.5"	1.8"
E	3.5"	1.8"

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	0.56	3250 C	0.24 0.32
M -N	0.53	2599 C	0.20 0.33
N -B	0.51	2347 C	0.18 0.33
B -C	0.48	2321 C	0.19 0.29
C -S	0.54	3868 C	0.10 0.44
S -D	0.41	1752 C	0.01 0.40
D -Q	0.34	175 T	0.00 0.34
--------Bottom Chords---------			
A -L	0.62	3002 T	0.50 0.12
L -G	0.59	3002 T	0.50 0.09
G -K	0.40	2453 T	0.32 0.08
K -F	0.72	3836 T	0.50 0.22
F -R	0.52	2300 T	0.30 0.22
R -E	0.29	531 T	0.04 0.25
----------Webs----------			
L -M	0.04	261 T	
M -G	0.49	655 C	
G -N	0.05	142 T	
N -K	0.24	309 T	
K -B	0.53	1420 T	
K -C	0.43	2136 C	1 Br
C -F	0.04	300 T	
F -S	0.49	1965 T	
S -R	0.58	1532 C	
R -D	0.52	1771 T	
D -E	0.91	1525 C	
E -Q	0.13	197 T	WindLd

TL Defl -0.55" in F -R L/828
LL Defl -0.27" in F -R L/999

Hz Disp	LL	DL	TL
Jt E	0.13"	0.13"	0.27"

Shear // Grain in C -S 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	4.0x 6.0	Ctr	0.1	0.72
M	MT20	3.0x 7.0	Ctr	Ctr	0.19
N	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.40
C	MT20	5.0x 5.0	Ctr	Ctr	0.73
S	MT20	3.0x 7.0	-1.0	Ctr	0.58
D	MT20	5.0x 5.0	Ctr	-0.1	0.51
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	5.0x 9.0	-0.8	2.9	0.59
K	MT20	4.0x10.0	Ctr	Ctr	0.57
F	MT20	5.0x 5.0	Ctr	-1.1	0.84
R	MT20	3.0x 7.0	0.4	-0.1	0.83
E	MT20	4.0x 6.0	Ctr	Ctr	0.41

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

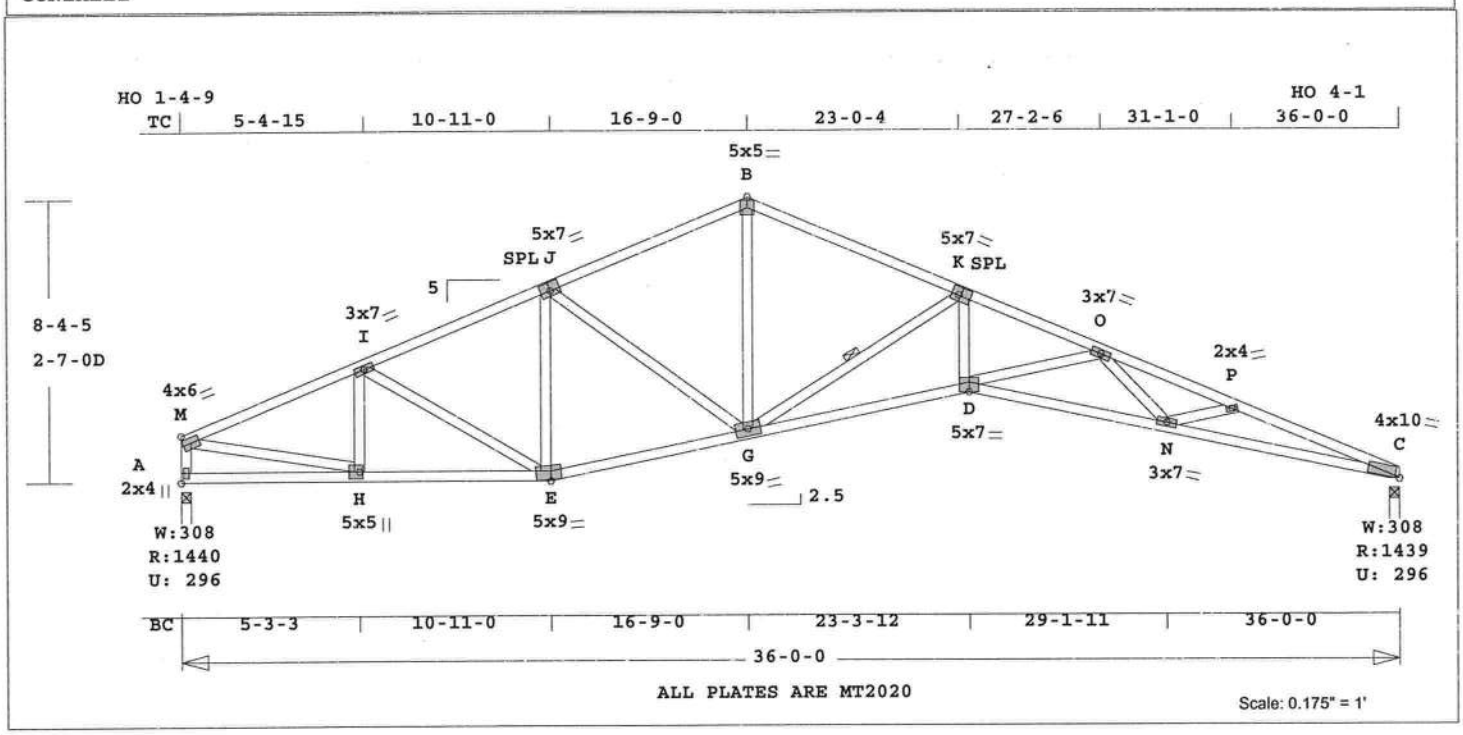
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3868 Lbs
Max tens. force 3836 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A11	3	SP	360000	5	0	0	T3292410

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 242.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.55	2x 4	SP-#1
--	0.48	2x 4	SP-#2
	M -J	J -B	B -K
BC	0.82	2x 4	SP-#1
--	0.42	2x 4	SP-#2
	A -E		
WB	0.65	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0

One Continuous Lateral Brace
G -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	1440	297 U	203 R
C	1440	297 U	178 R

Jt	Brg Size	Required
A	3.5"	1.7"
C	3.5"	1.7"

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----------					
M -I	0.44	2130	C	0.16	0.28
I -J	0.45	2105	C	0.17	0.28
J -B	0.45	2048	C	0.17	0.28
B -K	0.48	2046	C	0.17	0.31
K -O	0.48	4624	C	0.26	0.22
O -P	0.55	5359	C	0.22	0.33
P -C	0.46	5557	C	0.31	0.15
--------Bottom Chords--------					
A -H	0.17	185	T	0.00	0.17
H -E	0.42	1976	T	0.33	0.09
E -G	0.37	1991	T	0.26	0.11
G -D	0.67	4266	T	0.56	0.11
D -N	0.81	4947	T	0.65	0.16
N -C	0.82	5197	T	0.68	0.14
----------Webs----------					
A -M	0.13	1395	C	WindLd	
M -H	0.44	2025	T		
H -I	0.05	315	C		
I -E	0.05	120	T		
E -J	0.13	278	C		
J -G	0.09	196	T		
G -B	0.44	1195	T		
G -K	0.65	2728	C		1 Br
D -K	0.39	2157	T		
D -O	0.16	581	C		
O -N	0.04	304	T		
N -P	0.04	299	T		

TL Defl -0.86" in D -N L/492
LL Defl -0.43" in D -N L/996

Hz Disp	LL	DL	TL
Jt C	0.21"	0.21"	0.41"

Shear // Grain in B -K 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
M	MT20	4.0x 6.0	Ctr	Ctr	0.64
I	MT20	3.0x 7.0	Ctr	Ctr	0.19
J	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
K	MT20	5.0x 7.0	0.2	0.5	0.64
O	MT20	3.0x 7.0	Ctr	Ctr	0.17
P	MT20	2.0x 4.0	Ctr	Ctr	0.21
C	MT20	4.0x10.0	Ctr	0.1	0.86
A	MT20	2.0x 4.0	Ctr	Ctr	0.60
H	MT20	5.0x 5.0	-1.2	0.1	0.86
E	MT20	5.0x 9.0	-0.8	2.9	0.48
G	MT20	5.0x 9.0	Ctr	Ctr	0.77
D	MT20	5.0x 7.0	Ctr	-1.1	0.90
N	MT20	3.0x 7.0	Ctr	Ctr	0.17

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

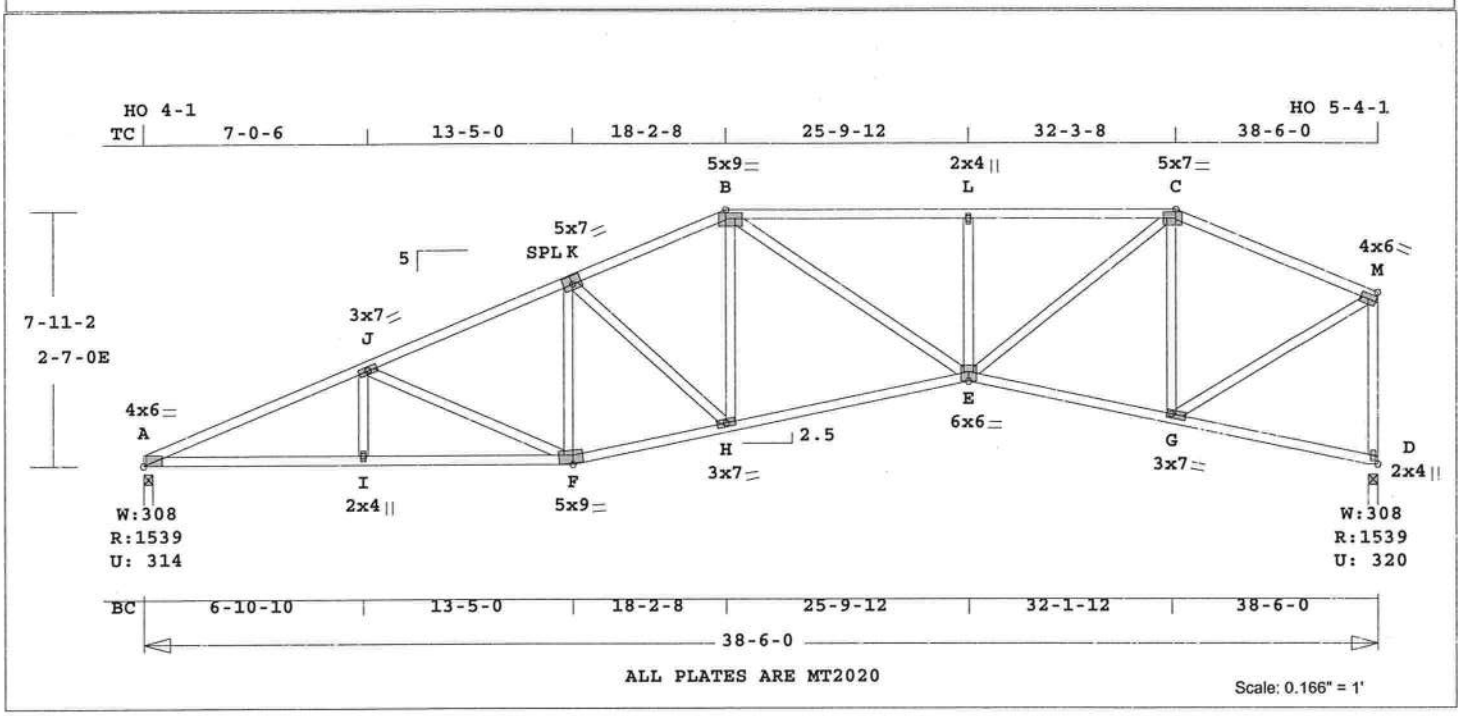
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 5557 Lbs
Max tens. force 5197 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A12	1	SP	380600	5	0	0	T3292411

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 276.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.57	2x 4	SP-#2
--	0.57	2x 4	SP-#1
	A -K	B -C	
BC	0.48	2x 4	SP-#1
WB	0.81	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1540	314 U	146 R
D	1540	320 U	274 R

Jt	Brg Size	Required
A	3.5"	1.8"
D	3.5"	1.8"

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

Membr	CSI	P Lbs	Axl	CSI	Bnd
----------Top Chords----------					
A -J	0.44	3250	C	0.17	0.27
J -K	0.41	2591	C	0.14	0.27
K -B	0.45	2412	C	0.19	0.26
B -L	0.57	2635	C	0.10	0.47
L -C	0.40	2635	C	0.03	0.37
C -M	0.57	1372	C	0.11	0.46
--------Bottom Chords--------					
A -I	0.48	3003	T	0.39	0.09
I -F	0.47	3003	T	0.39	0.08
F -H	0.39	2442	T	0.32	0.07
H -E	0.46	2273	T	0.30	0.16
E -G	0.33	1307	T	0.10	0.23
G -D	0.23	200	T	0.00	0.23
----------Webs----------					
I -J	0.04	265	T		
J -F	0.49	670	C		
F -K	0.05	122	T		
K -H	0.15	272	T		
H -B	0.09	378	T		
B -E	0.22	488	T		
E -L	0.16	432	C		
E -C	0.81	1695	T		
G -C	0.55	887	C		
G -M	0.53	1491	T		
D -M	0.61	1491	C	WindLd	

TL Defl -0.40" in H -E L/999
LL Defl -0.18" in F -H L/999

Hz Disp	LL	DL	TL
Jt D	0.08"	0.08"	0.17"

Shear // Grain in B -L 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	0.72
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
K	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	0.5	Ctr	1.00
M	MT20	4.0x 6.0	Ctr	Ctr	0.44
I	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 9.0	-0.8	2.9	0.59
H	MT20	3.0x 7.0	Ctr	Ctr	0.21
E	MT20	6.0x 6.0	Ctr	-0.6	0.89
G	MT20	3.0x 7.0	Ctr	Ctr	0.54
D	MT20	2.0x 4.0	Ctr	Ctr	0.56

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

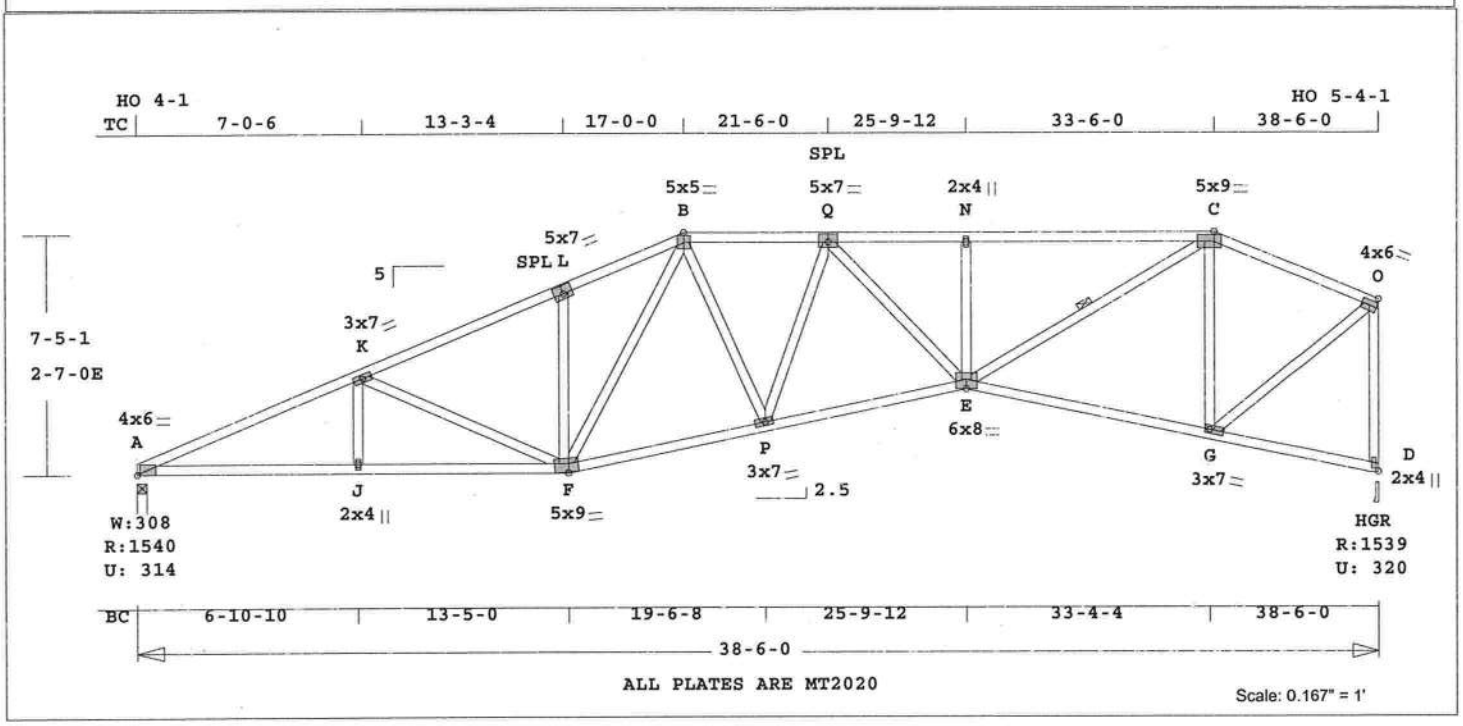
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3250 Lbs
Max tens. force 3003 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A13	1	SP	380600	5	0	0	T3292412

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 282.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.60	2x 4	SP-#2
--	0.45	2x 4	SP-#1
	A -L		
BC	0.58	2x 4	SP-#1
WB	0.62	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1540	314 U	134 R
D	1540	320 U	262 R

Jt	Brg Size	Required
A	3.5"	1.8"
D	3.5"	1.8"

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	0.45	3243 C	0.17 0.28
K -L	0.42	2593 C	0.14 0.28
L -B	0.44	2605 C	0.21 0.23
B -Q	0.26	2489 C	0.18 0.08
Q -N	0.42	2917 C	0.21 0.21
N -C	0.60	2917 C	0.14 0.46
C -O	0.40	1199 C	0.09 0.31
--------Bottom Chords---------			
A -J	0.49	2997 T	0.39 0.10
J -F	0.53	2997 T	0.39 0.14
F -P	0.39	2300 T	0.30 0.09
P -E	0.58	2712 T	0.35 0.23
E -G	0.36	1145 T	0.09 0.27
G -D	0.27	190 T	0.00 0.27
----------Webs----------			
J -K	0.03	254 T	
K -F	0.48	658 C	
F -L	0.15	380 T	
F -B	0.30	314 C	
B -P	0.11	576 T	
P -Q	0.30	524 C	
Q -E	0.06	376 T	
E -N	0.11	368 C	
E -C	0.38	2059 T	1 Br
G -C	0.55	961 C	
G -O	0.39	1431 T	
D -O	0.62	1513 C	WindLd

TL Defl	-0.42" in F -P	L/999	
LL Defl	-0.20" in F -P	L/999	
Hz Disp	LL	DL	TL
Jt D	0.09"	0.09"	0.18"

Shear // Grain in N -C 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	0.72
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
L	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.47
Q	MT20	5.0x 7.0	Ctr	0.5	0.48
N	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 9.0	Ctr	-0.1	0.52
O	MT20	4.0x 6.0	Ctr	Ctr	0.47
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 9.0	-0.8	2.9	0.59
P	MT20	3.0x 7.0	-0.5	-0.1	0.37
E	MT20	6.0x 8.0	Ctr	-0.6	0.62
G	MT20	3.0x 7.0	Ctr	Ctr	0.60
D	MT20	2.0x 4.0	Ctr	Ctr	0.55

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

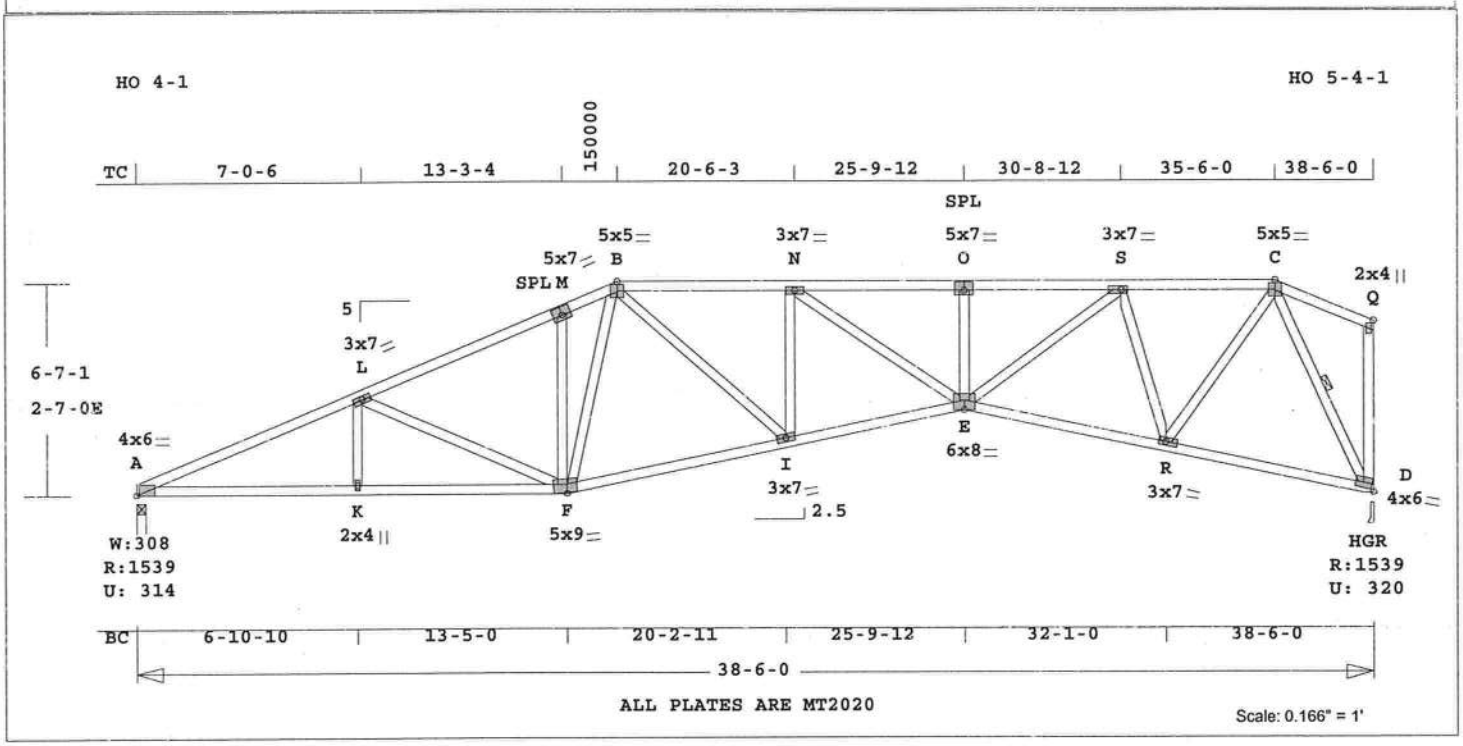
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3243 Lbs
Max tens. force 2997 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A14	1	SP	380600	5	0	0	T3292413

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 282.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
--	0.45	2x 4	SP-#1
	A -M		
BC	0.55	2x 4	SP-#1
WE	0.59	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
C -D
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	1540	314 U	114 R
D	1540	321 U	241 R

Jt	Brg Size	Required
A	3.5"	1.8"
D	3.5"	1.8"

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	0.45	3243	C	0.17	0.28
L -M	0.41	2594	C	0.13	0.28
M -B	0.46	2642	C	0.22	0.24
B -N	0.38	3040	C	0.22	0.16
N -O	0.41	3547	C	0.25	0.16
O -S	0.38	3547	C	0.25	0.13
S -C	0.38	1620	C	0.01	0.37
C -Q	0.31	186	T	0.00	0.31
--------Bottom Chords---------					
A -K	0.49	2996	T	0.39	0.10
K -F	0.53	2996	T	0.39	0.14
F -I	0.43	2361	T	0.31	0.12
I -E	0.55	3106	T	0.41	0.14
E -R	0.41	2008	T	0.26	0.15
R -D	0.30	713	T	0.06	0.24
----------Webs----------					
K -L	0.03	251	T		
L -F	0.48	656	C		
F -M	0.17	421	T		
F -B	0.19	313	C		
B -I	0.30	958	T		
I -N	0.23	654	C		
N -E	0.14	606	T		
E -O	0.06	317	C		
E -S	0.54	1938	T		
S -R	0.59	1423	C		
R -C	0.39	1581	T		
C -D	0.33	1636	C		1 Br
D -Q	0.13	220	T	WindLd	

TL Defl -0.50" in F -I L/911
LL Defl -0.23" in F -I L/999

Hz Disp	LL	DL	TL
Jt D	0.11"	0.11"	0.22"

Shear // Grain in A -L 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	4.0x 6.0	Ctr	0.1	0.72
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
M	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.52
N	MT20	3.0x 7.0	Ctr	Ctr	0.21
O	MT20	5.0x 7.0	Ctr	0.5	0.41
S	MT20	3.0x 7.0	-1.2	Ctr	0.58
C	MT20	5.0x 5.0	Ctr	Ctr	0.48
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 9.0	-0.8	2.9	0.59
I	MT20	3.0x 7.0	Ctr	Ctr	0.41
E	MT20	6.0x 8.0	Ctr	-0.6	0.75
R	MT20	3.0x 7.0	0.7	-0.1	0.86
D	MT20	4.0x 6.0	Ctr	Ctr	0.43

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

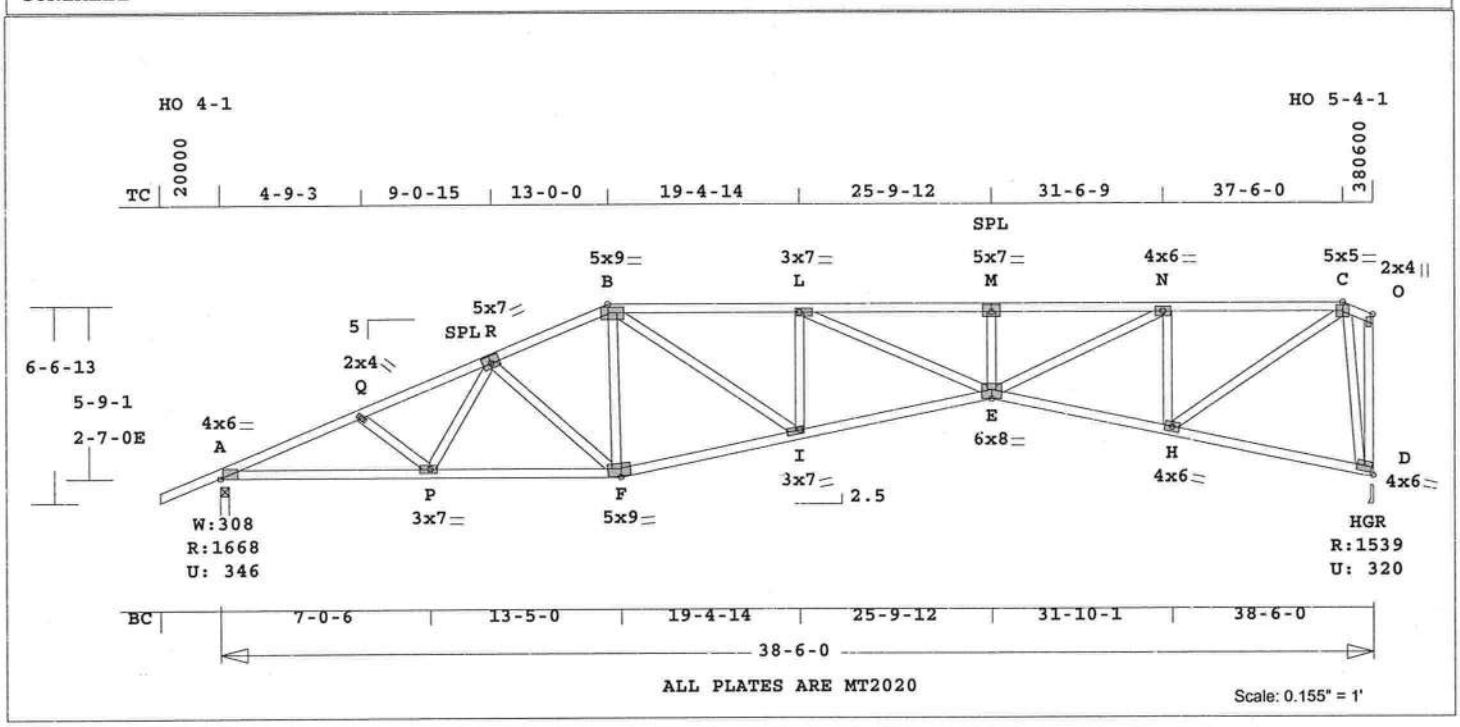
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3547 Lbs
Max tens. force 3106 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A15	1	SP	380600	5	2- 0- 0	0	T3292414

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 275.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.52	2x 4	SP-#2
--	0.52	2x 4	SP-#1
	B -M		
BC	0.62	2x 4	SP-#1
WB	0.85	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1669	346 U	116 R
D	1540	320 U	221 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	1.8"

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 -Q	0.36	3329	C	0.23	0.13
Q -R	0.38	3118	C	0.22	0.16
R -B	0.35	2591	C	0.19	0.16
B -L	0.37	3520	C	0.18	0.19
L -M	0.52	4613	C	0.23	0.29
M -N	0.52	4613	C	0.24	0.28
N -C	0.36	2112	C	0.02	0.34
C -O	0.35	177	T	0.00	0.35
--------Bottom Chords---------					
A -P	0.50	3065	T	0.40	0.10
P -F	0.45	2743	T	0.36	0.09
F -I	0.42	2444	T	0.32	0.10
I -E	0.62	3598	T	0.47	0.15
E -H	0.45	2150	T	0.28	0.17
H -D	0.26	192	T	0.01	0.25
----------Webs----------					
Q -P	0.04	296	T		
P -R	0.05	351	T		
R -F	0.22	469	C		
B -F	0.02	86	T		
B -I	0.48	1347	T		
I -L	0.24	871	C		
L -E	0.34	1188	T		
E -M	0.05	353	C		
E -N	0.85	2757	T		
H -N	0.39	1505	C		
H -C	0.83	2314	T		
C -D	0.55	1220	C		
D -O	0.13	318	C	WindLd	

TL Defl -0.65" in I -E L/703
LL Defl -0.32" in E -H L/999

Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.28"

Shear // Grain in C -O 0.37

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	0.73
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
R	MT20	5.0x 7.0	-0.2	0.5	0.41
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
L	MT20	3.0x 7.0	Ctr	Ctr	0.39
M	MT20	5.0x 7.0	Ctr	0.5	0.51
N	MT20	4.0x 6.0	Ctr	Ctr	0.80
C	MT20	5.0x 5.0	Ctr	Ctr	0.67
O	MT20	2.0x 4.0	Ctr	Ctr	0.23
P	MT20	3.0x 7.0	-0.6	Ctr	0.24
F	MT20	5.0x 9.0	-0.8	2.9	0.59
I	MT20	3.0x 7.0	Ctr	Ctr	0.50
E	MT20	6.0x 8.0	Ctr	-0.6	0.97
H	MT20	4.0x 6.0	Ctr	Ctr	0.68
D	MT20	4.0x 6.0	Ctr	Ctr	0.25

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

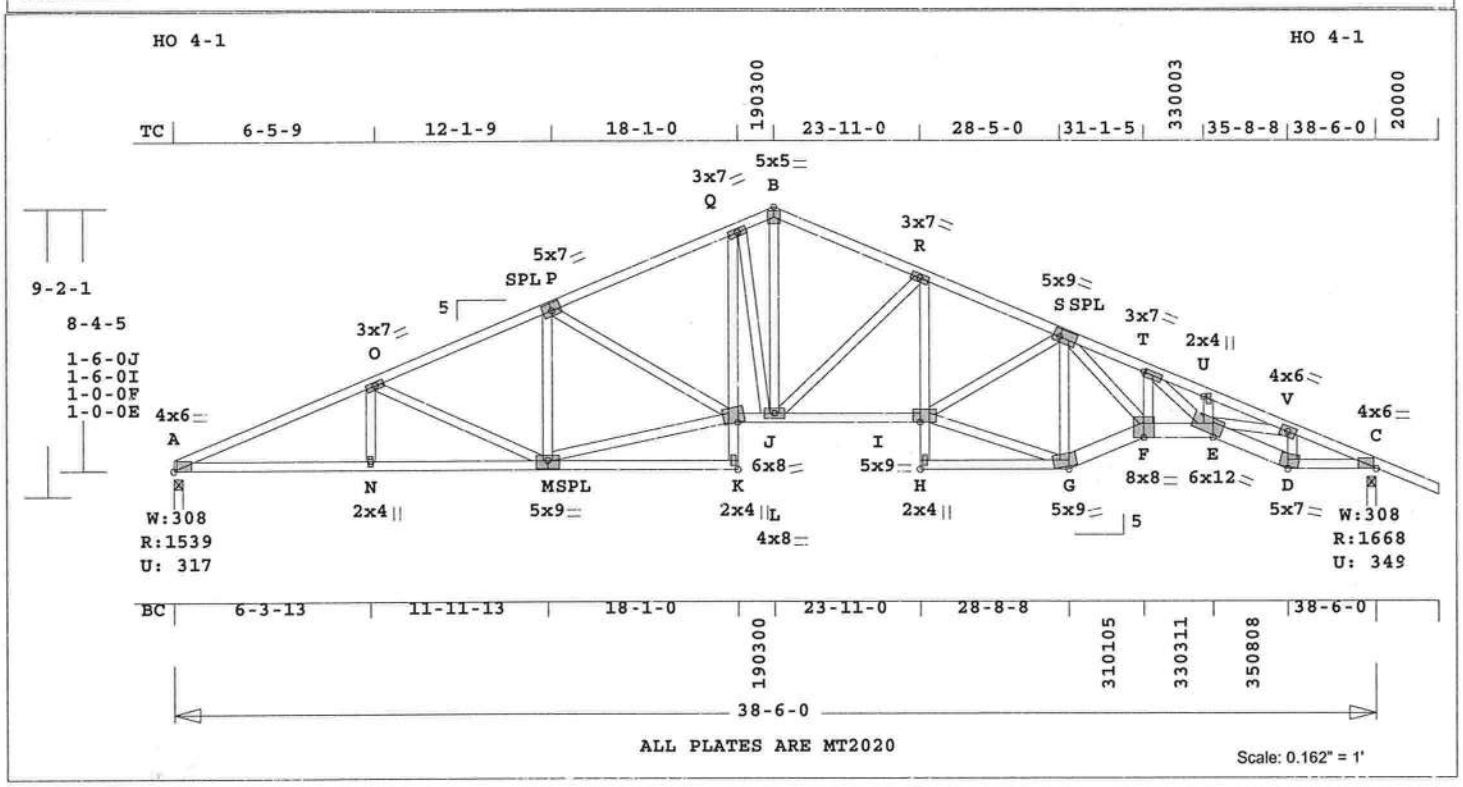
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 4613 Lbs
Max tens. force 3598 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A16	3	SP	380600	5	0	2- 0- 0	T3292415

GONZALEZ



Robbins Engineering, Inc /Online Plus™ APPROX. TRUSS WEIGHT: 319.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.71	2x 4	SP-#2
BC	0.80	2x 4	SP-#2
--	0.74	2x 6	SP-#2
	G -F	F -E	E -D
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	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1539	317 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	1.8"
C	3.5"	2.0"

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 -O	0.48	3268 C	0.24 0.24
O -P	0.48	2739 C	0.21 0.27
P -Q	0.47	2615 C	0.20 0.27
Q -B	0.41	2440 C	0.21 0.20
B -R	0.40	2441 C	0.20 0.20
R -S	0.45	3247 C	0.25 0.20
S -T	0.47	4858 C	0.36 0.11
T -U	0.66	6690 C	0.32 0.34
U -V	0.71	6743 C	0.34 0.37
V -C	0.38	3563 C	0.27 0.11
--------Bottom Chords---------			
A -N	0.60	3015 T	0.50 0.10
N -M	0.63	3015 T	0.50 0.13
M -K	0.22	91 T	0.00 0.22
J -L	0.64	2409 T	0.40 0.24
L -I	0.65	3009 T	0.50 0.15
H -G	0.26	74 T	0.01 0.25
G -F	0.66	2917 T	0.35 0.31
F -E	0.74	4552 T	0.55 0.19
E -D	0.74	3479 T	0.42 0.32
D -C	0.80	3263 T	0.54 0.26
----------Chord-Webs---------			
K -J	0.28	95 T	0.00 0.28
J -Q	0.11	586 T	0.10 0.01
H -I	0.24	105 T	0.01 0.23
I -R	0.23	746 T	0.13 0.10
----------Webs----------			
N -O	0.03	212 T	
O -M	0.31	534 C	
M -P	0.09	250 C	
M -J	0.71	2517 T	
P -J	0.10	196 T	
Q -L	0.43	738 C	
L -B	0.71	1690 T	
L -R	0.68	1041 C	
I -G	0.51	2779 T	
I -S	0.05	308 T	
G -S	0.46	1665 C	
S -F	0.46	2534 T	
F -T	0.09	905 C	
T -E	0.40	2202 T	
E -U	0.00	68 T	
E -V	0.54	2943 T	
D -V	0.10	1147 C	

TL Defl -0.81" in H -G L/564
LL Defl -0.39" in H -G L/999

Hz Disp	LL	DL	TL
Jt C	0.18"	0.18"	0.37"

Shear // Grain in A -O 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	0.72
O	MT20	3.0x 7.0	Ctr	Ctr	0.19
P	MT20	5.0x 7.0	-0.2	0.5	0.38
Q	MT20	3.0x 7.0	Ctr	Ctr	0.24
B	MT20	5.0x 5.0	Ctr	Ctr	0.48
R	MT20	3.0x 7.0	Ctr	Ctr	0.32
S	MT20	5.0x 9.0	2.1	-0.3	0.98
T	MT20	3.0x 7.0	Ctr	Ctr	0.80
U	MT20	2.0x 4.0	Ctr	Ctr	0.23
V	MT20	4.0x 6.0	Ctr	Ctr	0.94
C	MT20	4.0x 6.0	Ctr	0.1	0.79
N	MT20	2.0x 4.0	Ctr	Ctr	0.29
M	MT20	5.0x 9.0	Ctr	-0.5	0.91
K	MT20	2.0x 4.0	Ctr	Ctr	0.58
J	MT20	6.0x 8.0	Ctr	0.9	0.56
L	MT20	4.0x 8.0	Ctr	Ctr	0.51
I	MT20	5.0x 9.0	Ctr	0.8	0.58
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	5.0x 9.0	-1.7	3.3	0.97
F	MT20	8.0x 8.0	Ctr	-1.5	0.62
E	MT20	6.0x12.0	-0.2	-0.4	0.97
D	MT20	5.0x 7.0	0.6	3.1	0.64

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

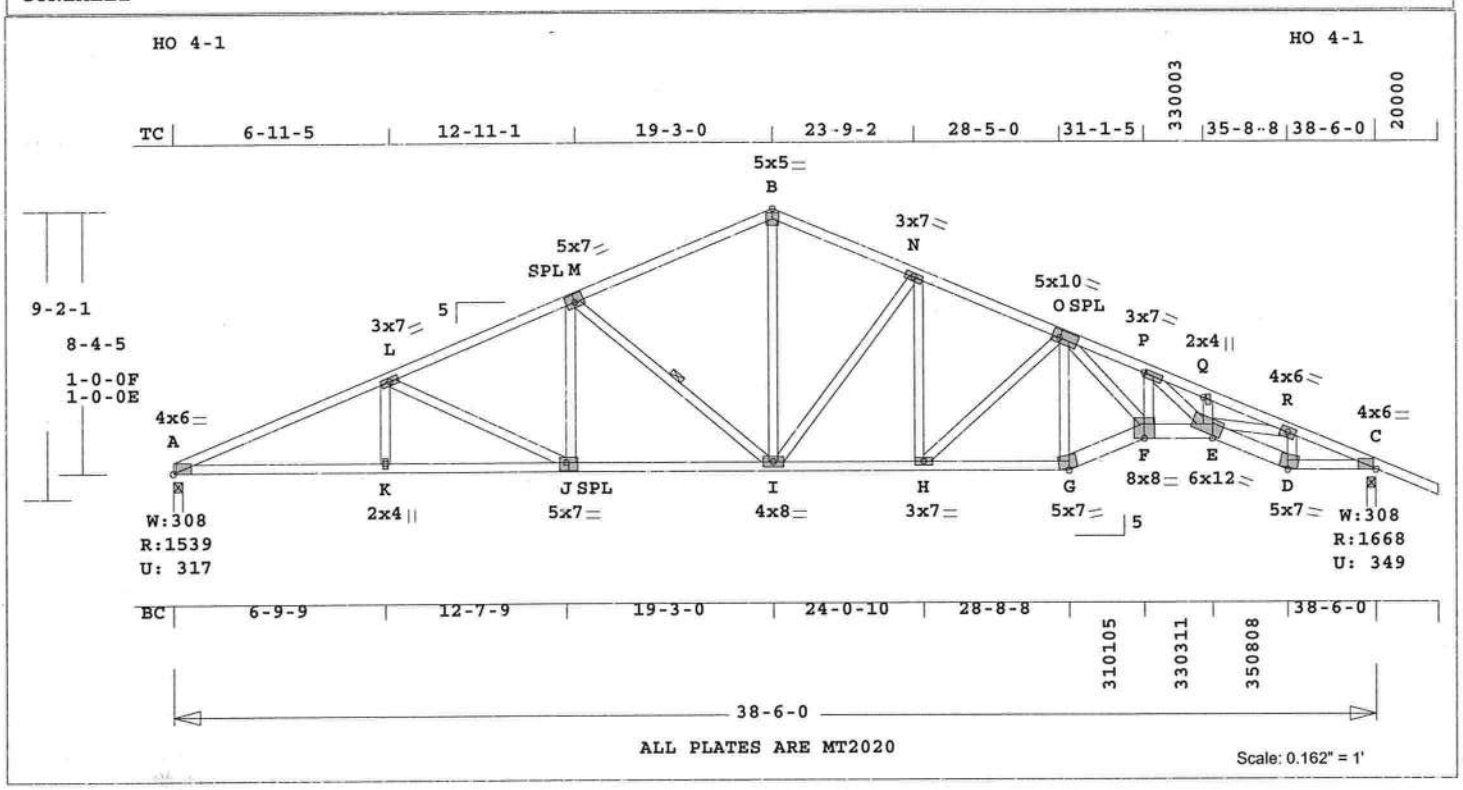
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6743 Lbs
Max tens. force 4552 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A17	1	SP	380600	5	0	2- 0- 0	T3292416

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 286.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	Size	Lumber
TC	0.58	2x 4	SP-#1
--	0.52	2x 4	SP-#2
	M -B	B -O	
BC	0.80	2x 4	SP-#2
--	0.54	2x 4	SP-#1
	A -J	J -G	
--	0.77	2x 6	SP-#2
	G -F	F -E	E -D
WB	0.67	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
M -I
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	1539	317 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	1.8"
C	3.5"	2.0"

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 -L	0.42	3242	C	0.19 0.23
L -M	0.44	2661	C	0.16 0.28
M -B	0.52	1994	C	0.17 0.35
B -N	0.38	1986	C	0.18 0.20
N -O	0.39	2445	C	0.20 0.19
O -P	0.40	4869	C	0.29 0.11
P -Q	0.54	6694	C	0.26 0.28
Q -R	0.58	6743	C	0.28 0.30
R -C	0.30	3564	C	0.21 0.09
--------Bottom Chords---------				
A -K	0.49	2993	T	0.39 0.10
K -J	0.48	2993	T	0.39 0.09
J -I	0.42	2460	T	0.32 0.10
I -H	0.39	2256	T	0.29 0.10
H -G	0.54	2721	T	0.35 0.19
G -F	0.65	2893	T	0.35 0.30
F -E	0.77	4566	T	0.55 0.22
E -D	0.74	3480	T	0.42 0.32
D -C	0.80	3264	T	0.54 0.26
----------Webs----------				
K -L	0.03	240	T	
L -J	0.38	591	C	
J -M	0.07	447	T	
M -I	0.23	810	C	1 Br
I -B	0.67	1198	T	
I -N	0.61	694	C	
H -N	0.11	461	T	
H -O	0.36	624	C	
G -O	0.24	884	C	
O -F	0.49	2653	T	
F -P	0.09	878	C	
P -E	0.40	2185	T	
E -Q	0.01	74	T	
E -R	0.54	2942	T	
D -R	0.10	1144	C	

TL Defl	-0.69" in G -F		L/659
LL Defl	-0.34" in G -F		L/999
Hz Disp	LL	DL	TL
Jt C	0.15"	0.15"	0.30"

Shear // Grain in M -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	4.0x 6.0	Ctr	0.1	0.72
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
M	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
N	MT20	3.0x 7.0	Ctr	Ctr	0.27
O	MT20	5.0x10.0	2.1	-0.3	0.84
P	MT20	3.0x 7.0	Ctr	Ctr	0.79
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
R	MT20	4.0x 6.0	Ctr	Ctr	0.94
C	MT20	4.0x 6.0	Ctr	0.1	0.79
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
J	MT20	5.0x 7.0	Ctr	-0.5	0.53
I	MT20	4.0x 8.0	Ctr	Ctr	0.36
H	MT20	3.0x 7.0	Ctr	Ctr	0.19
G	MT20	5.0x 7.0	-0.6	3.1	0.53
F	MT20	8.0x 8.0	Ctr	-1.5	0.65
E	MT20	6.0x12.0	-0.2	-0.4	0.97
D	MT20	5.0x 7.0	0.6	3.1	0.64

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

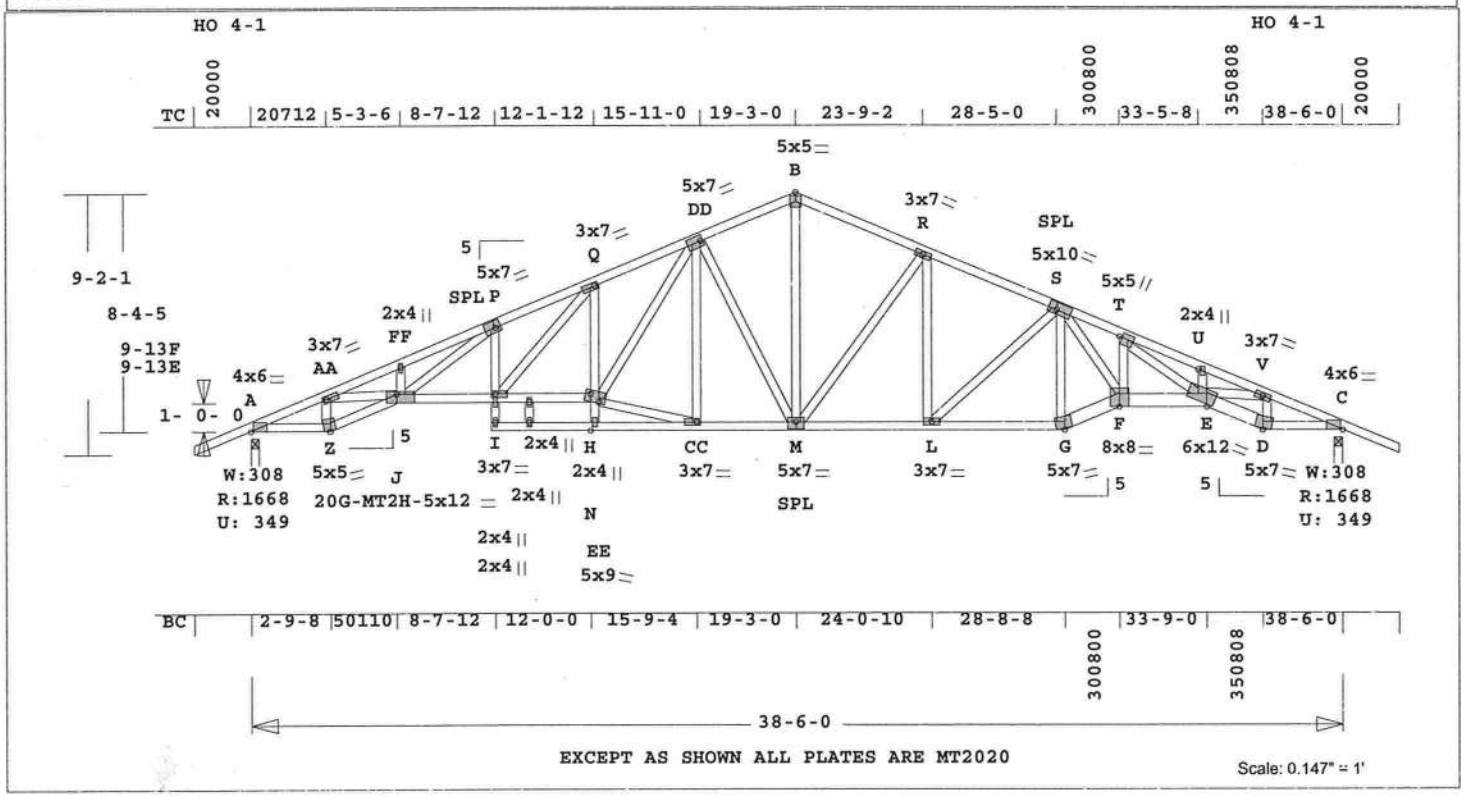
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6743 Lbs
Max tens. force 4566 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A18AA	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292417

GONZALEZ



Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.51	2x 4	SP-#1
--	0.40	2x 4	SP-#2
	B -S		
BC	0.88	2x 4	SP-#2
--	0.57	2x 4	SP-#1
	J -EE		
--	0.67	2x 6	SP-#2
	G -F	F -E	E -D
CW	0.20	2x 4	SP-#2
WB	0.77	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	2.0"
C	3.5"	2.0"

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 -AA	0.26	3371 C	0.20 0.06
AA-FF	0.46	6159 C	0.23 0.23
FF-P	0.50	6120 C	0.25 0.25
P -Q	0.33	4172 C	0.25 0.08
Q -DD	0.29	3507 C	0.20 0.09
DD-B	0.23	1975 C	0.14 0.09
B -R	0.38	1980 C	0.17 0.21
R -S	0.40	2446 C	0.19 0.21
S -T	0.35	4317 C	0.26 0.09
T -U	0.51	6201 C	0.24 0.27
U -V	0.48	6246 C	0.23 0.25
V -C	0.30	3532 C	0.21 0.09

Robbins Engineering, Inc./Online Plus™

--------Bottom Chords--------					
A -Z	0.65	3089 T	0.51	0.14	
Z -J	0.88	3298 T	0.55	0.33	
J -I	0.57	3849 T	0.50	0.07	
I -EE	0.48	3070 T	0.40	0.08	
H -CC	0.07	90 T	0.00	0.07	
CC-M	0.42	2147 T	0.36	0.06	
M -L	0.44	2260 T	0.37	0.07	
L -G	0.68	2714 T	0.45	0.23	
G -F	0.58	2888 T	0.35	0.23	
F -E	0.66	4030 T	0.49	0.17	
E -D	0.67	3441 T	0.41	0.26	
D -C	0.80	3229 T	0.54	0.26	
----------Chord-Webs----------					
H -EE	0.18	59 T	0.00	0.18	
EE-Q	0.20	778 C	0.05	0.15	
----------Webs----------					
Z -AA	0.11	1170 C			
AA-J	0.47	2581 T			
J -FF	0.01	128 T			
J -P	0.41	2261 T			
I -P	0.11	855 C			
I -Q	0.29	1199 T			
EE-DD	0.62	1673 T			
EE-CC	0.39	2134 T			
CC-DD	0.33	492 C			
DD-M	0.58	691 C			
M -B	0.77	1275 T			
M -R	0.64	719 C			
L -R	0.11	473 T			
L -S	0.35	608 C			
G -S	0.24	897 C			
S -F	0.40	2201 T			
F -T	0.08	716 C			
T -E	0.39	2136 T			
E -U	0.01	94 T			
E -V	0.46	2515 T			
D -V	0.10	1129 C			

TL Defl -0.75" in M -L L/604
LL Defl -0.37" in M -L L/999

Hz Disp	LL	DL	TL
Jt C	0.20"	0.20"	0.39"

Shear // Grain in FF-P 0.19

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	Ctr	0.1	0.74
AA	MT20	3.0x 7.0	Ctr	Ctr	0.78
FF	MT20	2.0x 4.0	Ctr	Ctr	0.23
P	MT20	5.0x 7.0	-1.1	0.1	0.89
Q	MT20	3.0x 7.0	Ctr	Ctr	0.44
DD	MT20	5.0x 7.0	-0.5	-0.2	0.76
B	MT20	5.0x 5.0	Ctr	Ctr	0.36
R	MT20	3.0x 7.0	Ctr	Ctr	0.27

APPROX. TRUSS WEIGHT: 342.0 LBS

S	MT20	5.0x10.0	2.1	-0.3	0.92
T	MT20	5.0x 5.0	1.6	-1.1	0.87
U	MT20	2.0x 4.0	Ctr	Ctr	0.23
V	MT20	3.0x 7.0	Ctr	Ctr	0.76
C	MT20	4.0x 6.0	Ctr	0.1	0.78
Z	MT20	5.0x 5.0	-0.6	2.9	0.79
J	MT2H	5.0x12.0	Ctr	-1.0	0.93
I	MT20	3.0x 7.0	Ctr	Ctr	0.51
EE	MT20	5.0x 9.0	0.3	1.3	0.62
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
CC	MT20	3.0x 7.0	Ctr	Ctr	0.69
M	MT20	5.0x 7.0	Ctr	-0.5	0.47
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
G	MT20	5.0x 7.0	-0.6	3.1	0.53
F	MT20	8.0x 8.0	Ctr	-1.5	0.64
E	MT20	6.0x12.0	-0.2	-0.4	0.90
D	MT20	5.0x 7.0	0.6	3.1	0.63

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

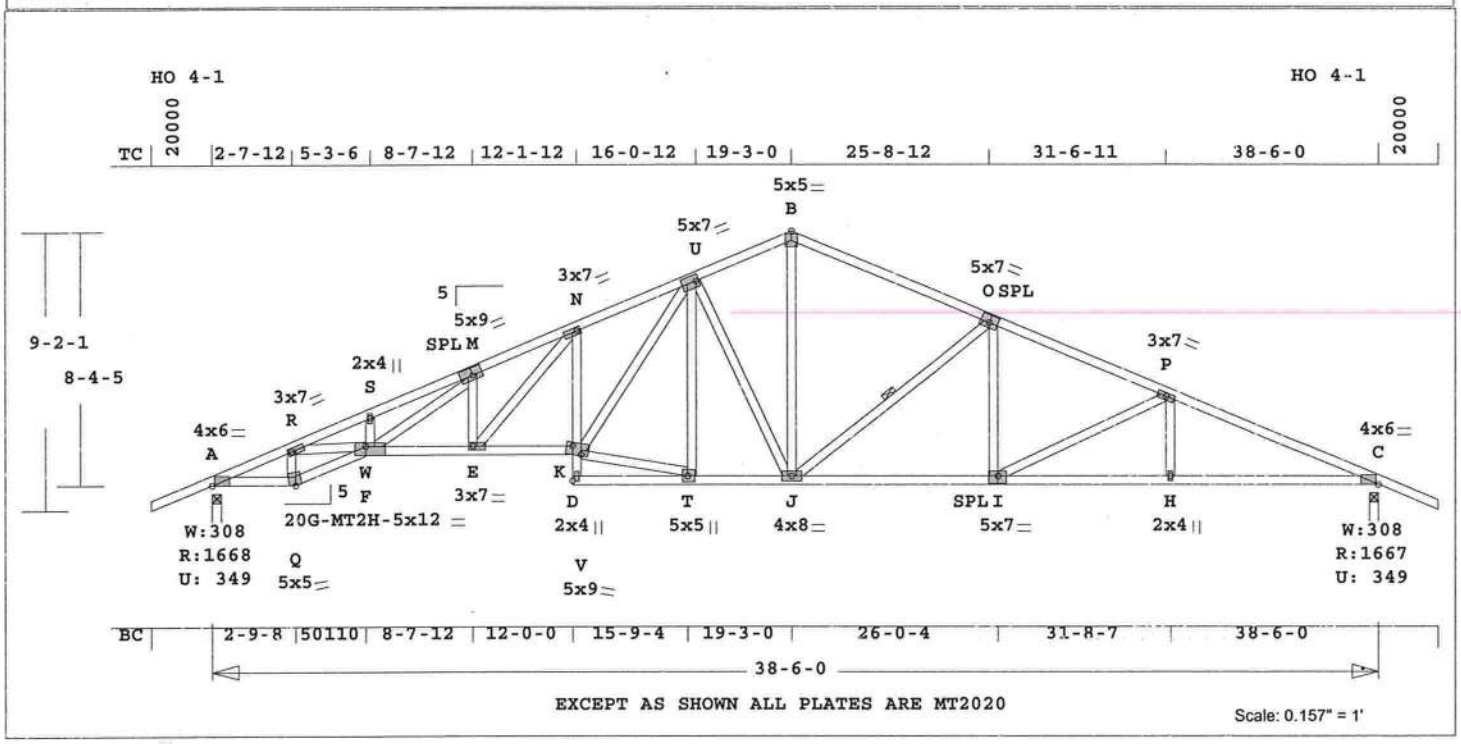
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6246 Lbs
Max tens. force 4030 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A19	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292418

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 299.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.89	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.71	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
J -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	1668	349 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	2.0"
C	3.5"	2.0"

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 -R	0.33	3372 C	0.25 0.08
R -S	0.57	6157 C	0.29 0.28
S -M	0.62	6119 C	0.31 0.31
M -N	0.41	4170 C	0.32 0.09
N -U	0.36	3311 C	0.26 0.10
U -B	0.38	1977 C	0.18 0.20
B -O	0.53	1991 C	0.17 0.36
O -P	0.57	2675 C	0.21 0.36
P -C	0.51	3232 C	0.24 0.27
--------Bottom Chords---------			
A -Q	0.66	3090 T	0.51 0.15
Q -F	0.89	3298 T	0.55 0.34
F -E	0.72	3847 T	0.64 0.08
E -V	0.60	3071 T	0.51 0.09
D -T	0.08	91 T	0.00 0.08
T -J	0.45	2130 T	0.35 0.10
J -I	0.53	2474 T	0.41 0.12
I -H	0.62	2983 T	0.50 0.12
H -C	0.62	2983 T	0.50 0.12
----------Chord-Webs----------			
D -V	0.19	64 T	0.00 0.19
V -N	0.21	789 C	0.05 0.16
----------Webs----------			
Q -R	0.11	1170 C	
R -F	0.47	2578 T	
F -S	0.01	130 T	
F -M	0.41	2260 T	
E -M	0.11	851 C	
E -N	0.29	1194 T	
V -U	0.65	1671 T	
V -T	0.38	2109 T	
T -U	0.32	473 C	
U -J	0.56	666 C	
J -B	0.71	1216 T	
J -O	0.23	821 C	1 Br
I -O	0.07	449 T	
I -P	0.35	568 C	
H -P	0.03	233 T	

TL Defl -0.66" in E -K L/684
LL Defl -0.33" in E -K L/999

Hz Disp	LL	DL	TL
Jt C	0.14"	0.14"	0.28"

Shear // Grain in B -O 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	4.0x 6.0	Ctr	0.1	0.74
R	MT20	3.0x 7.0	Ctr	Ctr	0.78
S	MT20	2.0x 4.0	Ctr	Ctr	0.23
M	MT20	5.0x 9.0	-0.7	0.3	0.89
N	MT20	3.0x 7.0	Ctr	Ctr	0.44
U	MT20	5.0x 7.0	-0.5	-0.2	0.76
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
O	MT20	5.0x 7.0	0.2	0.5	0.38
P	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	4.0x 6.0	Ctr	0.1	0.71
Q	MT20	5.0x 5.0	-0.6	2.9	0.80
F	MT2H	5.0x12.0	Ctr	-1.0	0.90
E	MT20	3.0x 7.0	Ctr	Ctr	0.50
V	MT20	5.0x 9.0	0.2	1.3	0.60
D	MT20	2.0x 4.0	Ctr	Ctr	0.58
T	MT20	5.0x 5.0	-1.2	0.1	0.90
J	MT20	4.0x 8.0	Ctr	Ctr	0.37
I	MT20	5.0x 7.0	Ctr	-0.5	0.58
H	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

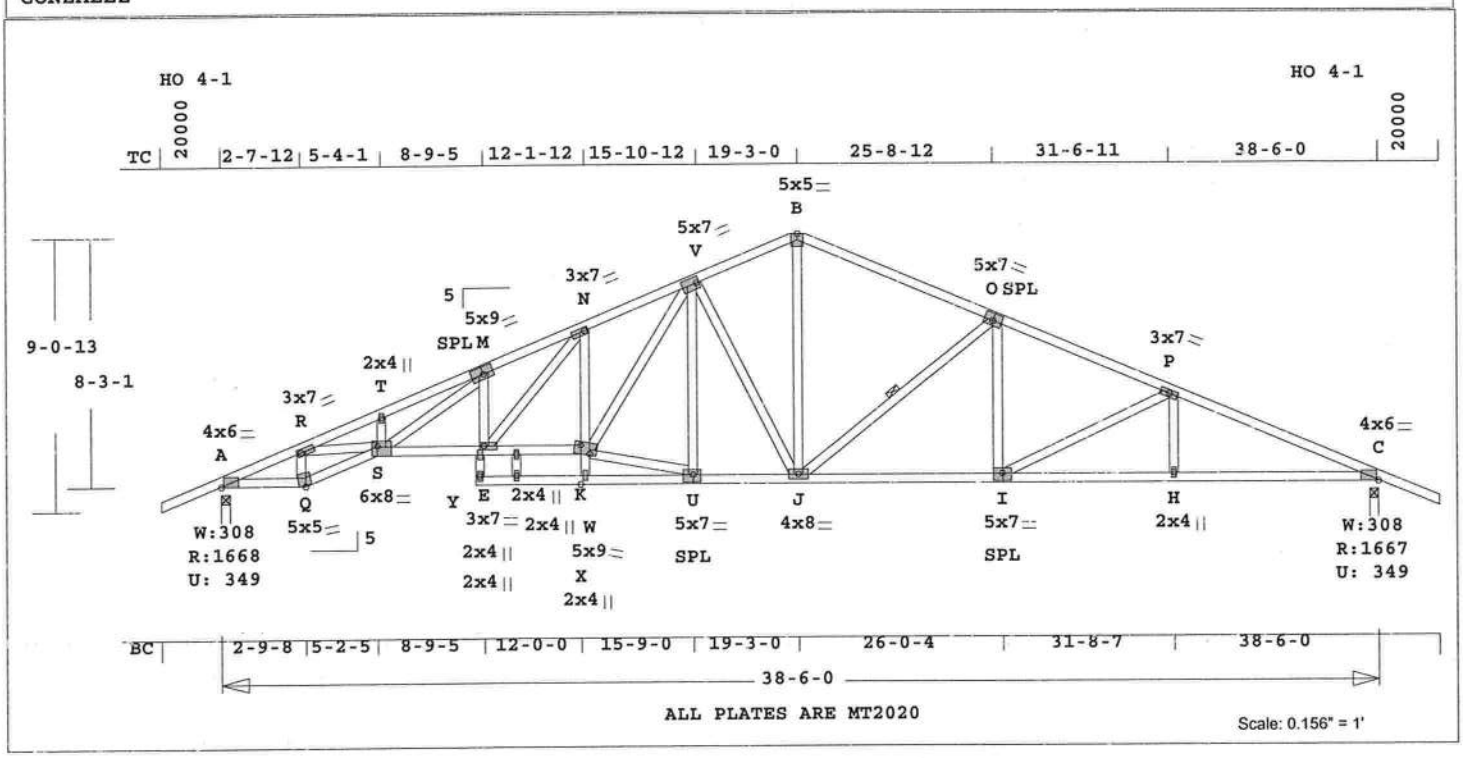
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6157 Lbs
Max tens. force 3847 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A20	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292419

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 308.2 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.95	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.70	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
J -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	1668	349 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	2.0"
C	3.5"	2.0"

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 -R	0.33	3378 C	0.25 0.08
R -T	0.57	6143 C	0.29 0.28
T -M	0.62	6107 C	0.31 0.31
M -N	0.41	4128 C	0.32 0.09
N -V	0.36	3308 C	0.26 0.10
V -P	0.38	1977 C	0.18 0.20
B -O	0.53	1991 C	0.17 0.36
O -P	0.57	2675 C	0.21 0.36
P -C	0.51	3232 C	0.24 0.27
--------Bottom Chords---------			
A -Q	0.67	3096 T	0.52 0.15
Q -S	0.95	3299 T	0.55 0.40
S -E	0.77	3807 T	0.63 0.14
E -W	0.61	3069 T	0.51 0.10
X -U	0.07	89 T	0.00 0.07
U -J	0.46	2146 T	0.36 0.10
J -I	0.53	2474 T	0.41 0.12
I -H	0.62	2984 T	0.50 0.12
H -C	0.62	2984 T	0.50 0.12
----------Chord-Webs----------			
X -W	0.18	61 T	0.00 0.18
W -N	0.21	779 C	0.05 0.16
----------Webs----------			
Q -R	0.11	1156 C	
R -S	0.47	2561 T	
S -T	0.01	137 T	
S -M	0.42	2293 T	
E -M	0.11	855 C	
E -N	0.27	1161 T	
W -V	0.62	1678 T	
W -U	0.39	2134 T	
U -V	0.34	502 C	
V -J	0.56	668 C	
J -B	0.70	1212 T	
J -O	0.23	820 C	1 Br
I -O	0.07	449 T	
I -P	0.35	568 C	
H -P	0.03	233 T	

TL Defl -0.67" in E -K L/680
LL Defl -0.33" in E -K L/999

Hz Disp	LL	DL	TL
Jt C	0.14"	0.14"	0.28"

Shear // Grain in B -O 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	4.0x 6.0	Ctr	0.1	0.75
R	MT20	3.0x 7.0	Ctr	Ctr	0.77
T	MT20	2.0x 4.0	Ctr	Ctr	0.23
M	MT20	5.0x 9.0	-0.7	0.3	0.91
N	MT20	3.0x 7.0	Ctr	Ctr	0.43
V	MT20	5.0x 7.0	-0.5	-0.2	0.76
B	MT20	5.0x 5.0	Ctr	Ctr	0.43
O	MT20	5.0x 7.0	0.2	0.5	0.38
P	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	4.0x 6.0	Ctr	0.1	0.71
Q	MT20	5.0x 5.0	-0.6	2.9	0.80
S	MT20	6.0x 8.0	Ctr	-0.5	0.92
E	MT20	3.0x 7.0	Ctr	Ctr	0.50
W	MT20	5.0x 9.0	0.2	1.3	0.60
X	MT20	2.0x 4.0	Ctr	Ctr	0.58
U	MT20	5.0x 7.0	-0.5	-0.5	0.88
J	MT20	4.0x 8.0	Ctr	Ctr	0.36
I	MT20	5.0x 7.0	Ctr	-0.5	0.58
H	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

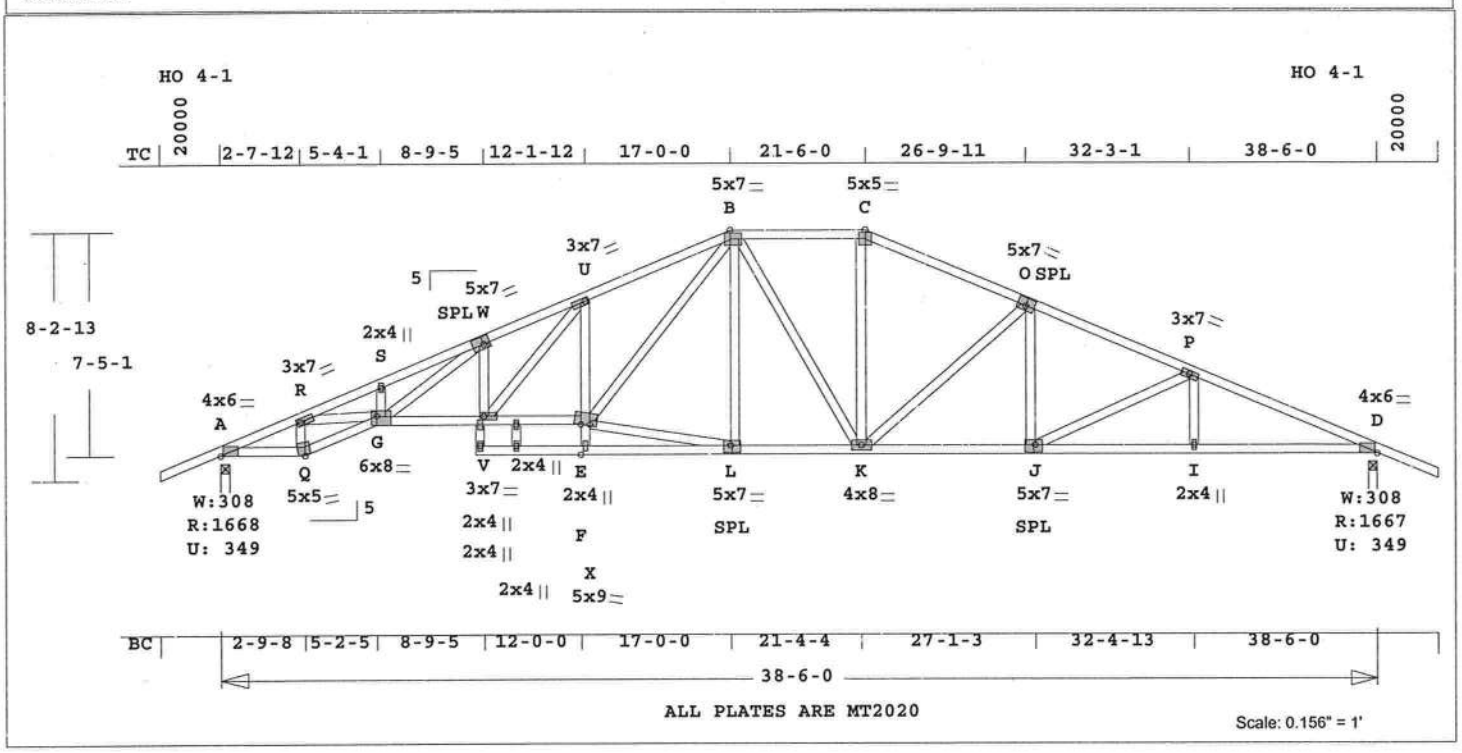
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6143 Lbs
Max tens. force 3807 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A21	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292420

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 309.0 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.95	2x 4	SP-#2
CW	0.25	2x 4	SP-#2
WB	0.91	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	165 R
D	1668	349 U	165 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -R	0.33	3378 C	0.25	0.08
R -S	0.57	6141 C	0.29	0.28
S -W	0.62	6105 C	0.31	0.31
W -U	0.45	4134 C	0.31	0.14
U -B	0.48	3278 C	0.27	0.21
B -C	0.31	2034 C	0.03	0.28
C -O	0.45	2205 C	0.18	0.27
O -P	0.48	2769 C	0.21	0.27
P -D	0.46	3274 C	0.24	0.22
--------Bottom Chords---------				
A -Q	0.66	3096 T	0.51	0.15
Q -G	0.95	3298 T	0.55	0.40
G -V	0.77	3809 T	0.63	0.14
V -X	0.62	3058 T	0.51	0.11
E -L	0.15	122 T	0.01	0.14
L -K	0.42	2015 T	0.33	0.09
K -J	0.51	2558 T	0.42	0.09
J -I	0.59	3020 T	0.50	0.09
I -D	0.59	3020 T	0.50	0.09
----------Chord-Webs----------				
E -X	0.25	81 T	0.00	0.25
X -U	0.24	773 C	0.05	0.19
----------Webs----------				
Q -R	0.11	1156 C		
R -G	0.47	2559 T		
G -S	0.02	143 T		
G -W	0.42	2287 T		
V -W	0.11	862 C		
V -U	0.27	1181 T		
X -B	0.91	1591 T		
X -L	0.35	1930 T		
L -B	0.21	274 C		
B -K	0.11	130 T		
K -C	0.22	515 T		
K -O	0.57	693 C		
J -O	0.06	398 T		
J -P	0.27	510 C		
I -P	0.03	206 T		

TL Defl -0.69" in V -F L/656
LL Defl -0.35" in V -F L/999

Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.29"

Shear // Grain in P -D 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	0.75
R	MT20	3.0x 7.0	Ctr	Ctr	0.77
S	MT20	2.0x 4.0	Ctr	Ctr	0.23
W	MT20	5.0x 7.0	-1.1	0.1	0.90
U	MT20	3.0x 7.0	Ctr	Ctr	0.43
B	MT20	5.0x 7.0	-0.5	Ctr	0.76
C	MT20	5.0x 5.0	Ctr	Ctr	0.47
O	MT20	5.0x 7.0	0.2	0.5	0.38
P	MT20	3.0x 7.0	Ctr	Ctr	0.19
D	MT20	4.0x 6.0	Ctr	0.1	0.72
Q	MT20	5.0x 5.0	-0.6	2.9	0.80
G	MT20	6.0x 8.0	Ctr	-0.5	0.92
V	MT20	3.0x 7.0	Ctr	Ctr	0.51
X	MT20	5.0x 9.0	0.2	1.4	0.60
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
L	MT20	5.0x 7.0	Ctr	-0.5	0.58
K	MT20	4.0x 8.0	Ctr	Ctr	0.23
J	MT20	5.0x 7.0	Ctr	-0.5	0.59
I	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

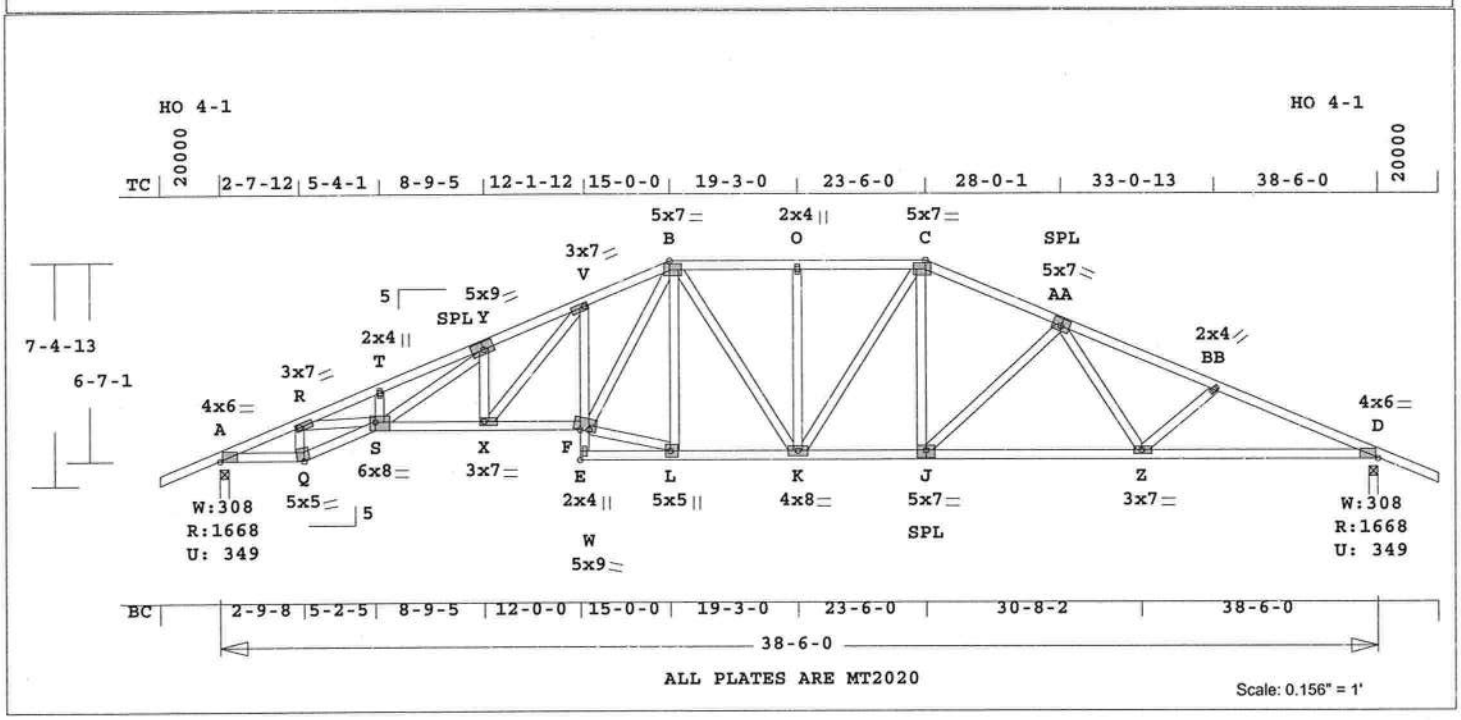
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6141 Lbs
Max tens. force 3809 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A22	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292421

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 301.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.95	2x 4	SP-#2
CW	0.20	2x 4	SP-#2
WB	0.53	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	145 R
D	1668	349 U	146 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -R	0.31	3379 C	0.24 0.07
R -T	0.57	6138 C	0.29 0.28
T -Y	0.62	6099 C	0.31 0.31
Y -V	0.41	4145 C	0.30 0.11
V -B	0.42	3256 C	0.26 0.16
B -O	0.31	2337 C	0.19 0.12
O -C	0.31	2337 C	0.19 0.12
C -AA	0.41	2410 C	0.19 0.22
AA-BB	0.44	3057 C	0.22 0.22
BB-D	0.41	3301 C	0.24 0.17
--------Bottom Chords---------			
A -Q	0.66	3096 T	0.51 0.15
Q -S	0.95	3299 T	0.55 0.40
S -X	0.78	3812 T	0.64 0.14
X -W	0.61	3049 T	0.51 0.10
E -L	0.09	97 T	0.00 0.09
L -K	0.43	2199 T	0.36 0.07
K -J	0.49	2217 T	0.37 0.12
J -Z	0.56	2621 T	0.44 0.12
Z -D	0.63	3044 T	0.51 0.12
----------Chord-Webs----------			
E -W	0.20	39 T	0.00 0.20
W -V	0.19	668 C	0.03 0.16
----------Webs----------			
Q -R	0.11	1156 C	
R -S	0.47	2554 T	
S -T	0.01	135 T	
S -Y	0.42	2279 T	
X -Y	0.12	884 C	
X -V	0.28	1201 T	
W -B	0.53	1642 T	
W -L	0.40	2216 T	
L -B	0.37	610 C	
B -K	0.13	244 T	
K -O	0.19	323 C	
K -C	0.13	217 T	
J -C	0.15	504 T	
J -AA	0.34	546 C	
AA-Z	0.07	437 T	
Z -BB	0.05	335 T	

TL Defl	-0.68" in X -F		L/669
LL Defl	-0.34" in X -F		L/999
Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.29"
Shear // Grain		in B -O	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	0.75
R	MT20	3.0x 7.0	Ctr	Ctr	0.77
T	MT20	2.0x 4.0	Ctr	Ctr	0.23
Y	MT20	5.0x 9.0	-0.7	0.3	0.90
V	MT20	3.0x 7.0	Ctr	Ctr	0.44
B	MT20	5.0x 7.0	-0.5	Ctr	0.81
O	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	0.5	Ctr	0.48
AA	MT20	5.0x 7.0	0.2	0.5	0.40
BB	MT20	2.0x 4.0	Ctr	Ctr	0.23
D	MT20	4.0x 6.0	Ctr	0.1	0.73
Q	MT20	5.0x 5.0	-0.6	2.9	0.80
S	MT20	6.0x 8.0	Ctr	-0.5	0.91
X	MT20	3.0x 7.0	Ctr	Ctr	0.52
W	MT20	5.0x 9.0	0.3	1.3	0.61
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
L	MT20	5.0x 5.0	-1.2	0.1	0.94
K	MT20	4.0x 8.0	Ctr	Ctr	0.20
J	MT20	5.0x 7.0	Ctr	-0.5	0.51
Z	MT20	3.0x 7.0	0.4	Ctr	0.23

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

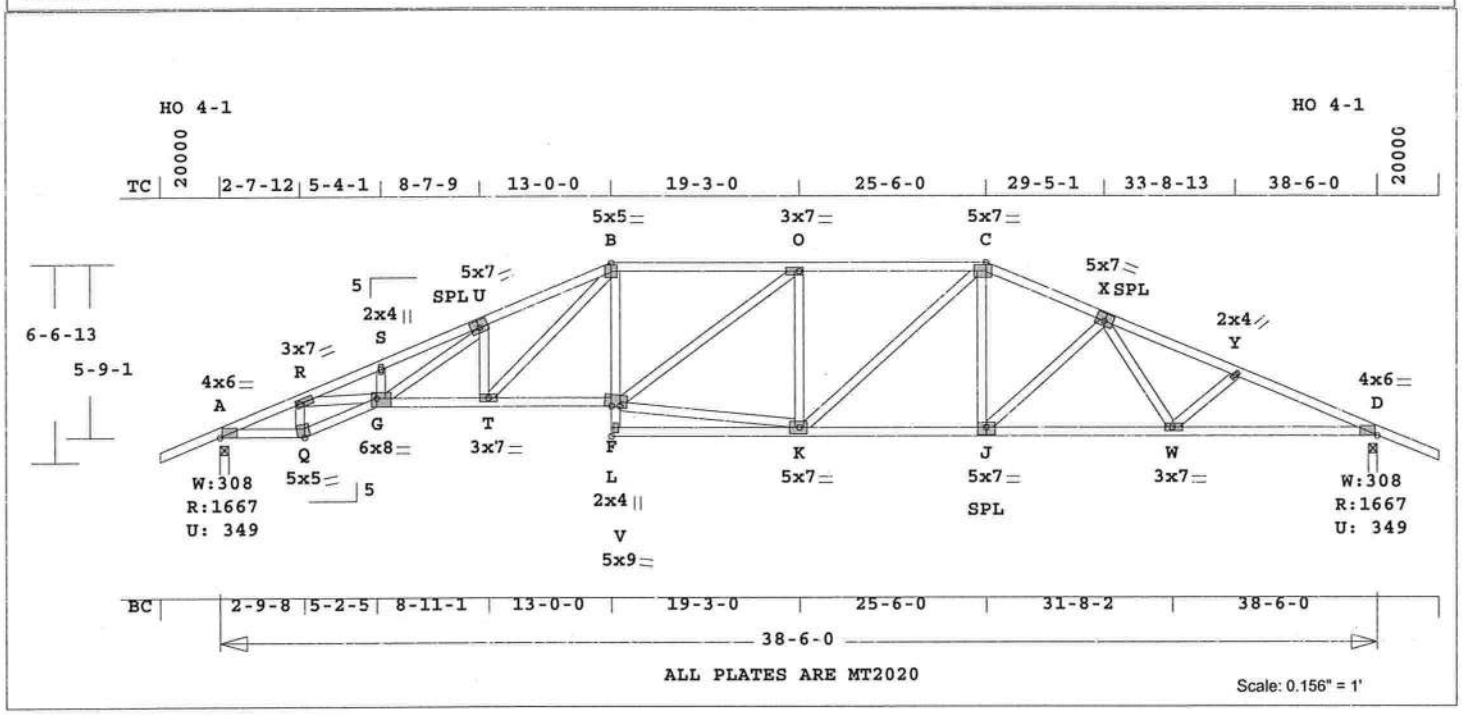
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6138 Lbs
Max tens. force 3812 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A23	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292422

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 281.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.95	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.68	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	126 R
D	1668	349 U	126 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -R	0.31	3376 C	0.24	0.07
R -S	0.55	6148 C	0.29	0.26
S -U	0.62	6118 C	0.31	0.31
U -B	0.51	4098 C	0.31	0.20
B -O	0.50	2915 C	0.05	0.45
O -C	0.49	2726 C	0.04	0.45
C -X	0.35	2610 C	0.20	0.15
X -Y	0.38	3129 C	0.23	0.15
Y -D	0.37	3330 C	0.24	0.13
--------Bottom Chords---------				
A -Q	0.66	3094 T	0.51	0.15
Q -G	0.95	3296 T	0.55	0.40
G -T	0.76	3795 T	0.63	0.13
T -V	0.61	2920 T	0.49	0.12
L -K	0.23	85 T	0.00	0.23
K -J	0.53	2409 T	0.40	0.13
J -W	0.56	2735 T	0.45	0.11
W -D	0.63	3066 T	0.51	0.12
----------Chord-Webs----------				
V -B	0.21	408 T	0.07	0.14
L -V	0.17	97 T	0.00	0.17
----------Webs----------				
Q -R	0.11	1154 C		
R -G	0.47	2569 T		
G -S	0.02	140 T		
G -U	0.42	2314 T		
T -U	0.11	825 C		
T -B	0.44	1238 T		
V -O	0.14	233 T		
V -K	0.68	2675 T		
K -O	0.26	577 C		
K -C	0.24	422 T		
J -C	0.09	442 T		
J -X	0.20	436 C		
X -W	0.05	350 T		
W -Y	0.04	289 T		

TL Defl -0.70" in L -K L/654
LL Defl -0.34" in T -F L/999

Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.29"

Shear // Grain in B -O 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	0.74
R	MT20	3.0x 7.0	Ctr	Ctr	0.77
S	MT20	2.0x 4.0	Ctr	Ctr	0.23
U	MT20	5.0x 7.0	-0.2	0.5	0.85
B	MT20	5.0x 5.0	Ctr	Ctr	0.60
O	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	5.0x 7.0	0.5	Ctr	0.46
X	MT20	5.0x 7.0	0.2	0.5	0.40
Y	MT20	2.0x 4.0	Ctr	Ctr	0.23
D	MT20	4.0x 6.0	Ctr	0.1	0.73
Q	MT20	5.0x 5.0	-0.6	2.9	0.79
G	MT20	6.0x 8.0	Ctr	-0.5	0.92
T	MT20	3.0x 7.0	Ctr	Ctr	0.49
V	MT20	5.0x 9.0	0.1	1.2	0.73
L	MT20	2.0x 4.0	Ctr	Ctr	0.58
K	MT20	5.0x 7.0	-0.5	Ctr	0.83
J	MT20	5.0x 7.0	Ctr	-0.5	0.54
W	MT20	3.0x 7.0	0.5	Ctr	0.23

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

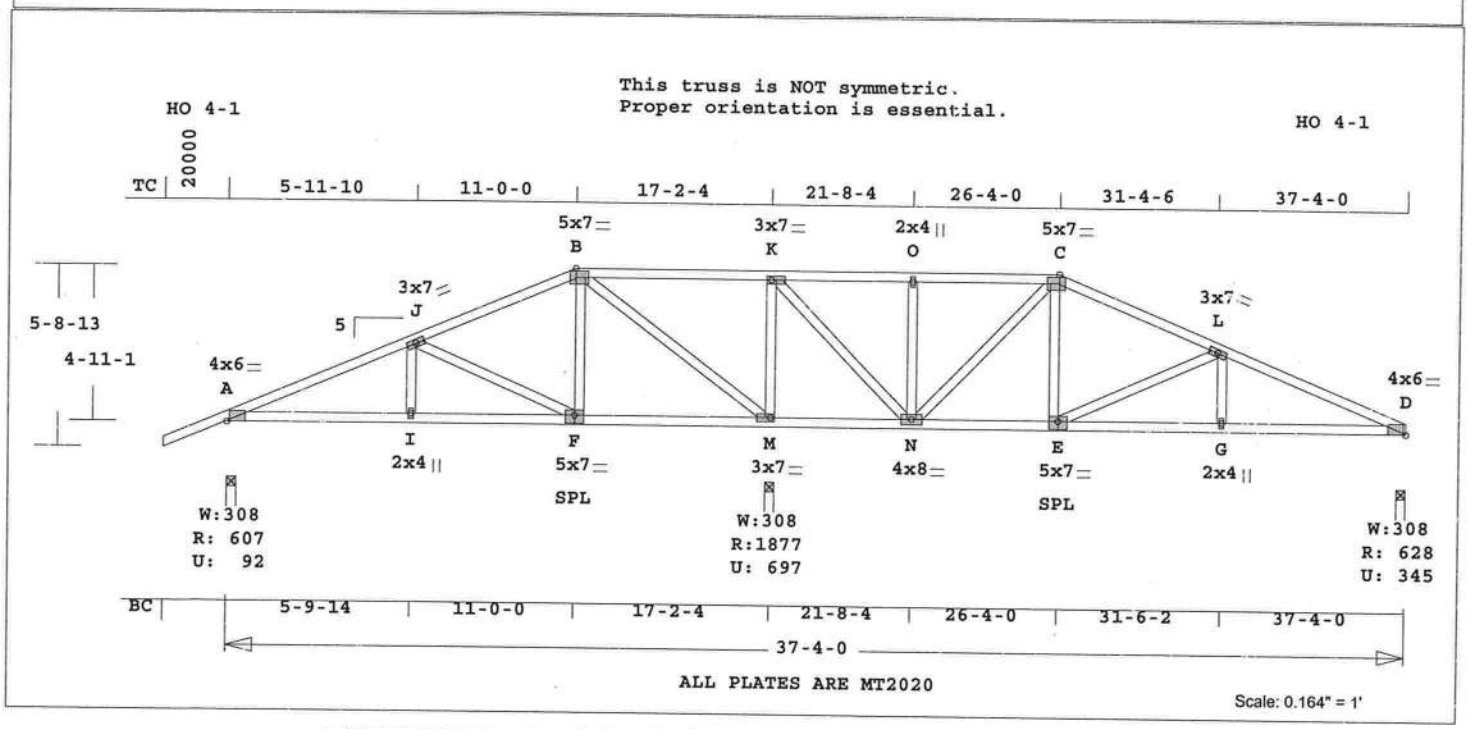
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6148 Lbs
Max tens. force 3795 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #56126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	B1	1	HIPP	370400	5	2- 0- 0	0	T3292423

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 247.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.48	2x 4	SP-#2
BC	0.28	2x 4	SP-#2
WB	0.89	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	37- 4- 0
BC	Cont.	0- 0- 0	37- 4- 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	608	93 U	105 R
M	1878	697 U	
D	629	345 U	104 R

Jt	Brg Size	Required
A	3.5"	1.5"
M	3.5"	2.0"
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 -J	0.31	679 C	0.03	0.28
J -B	0.28	231 C	0.00	0.28
B -K	0.48	729 T	0.12	0.36
K -O	0.36	341 T	0.00	0.36
O -C	0.16	341 T	0.00	0.16
C -L	0.36	820 T	0.10	0.26
L -D	0.44	1425 T	0.18	0.26
--------Bottom Chords---------				
A -I	0.23	634 T	0.10	0.13
I -F	0.22	634 T	0.06	0.16
F -M	0.19	330 T	0.00	0.19
M -N	0.20	838 T	0.10	0.10
N -E	0.16	517 C	0.04	0.12
E -G	0.26	1246 C	0.16	0.10
G -D	0.28	1246 C	0.16	0.12
----------Webs----------				
I -J	0.03	229 T		
J -F	0.30	586 C		
F -B	0.06	404 T		
B -M	0.89	1030 C		
M -K	0.37	1163 T		
K -N	0.75	1232 C		
N -O	0.08	259 C		
N -C	0.37	707 T		
E -C	0.16	519 C		
E -L	0.30	798 T		
G -L	0.03	254 C		

TL Defl -0.06" in A -I L/999
LL Defl -0.03" in G -D L/999
Shear // Grain in B -K 0.27

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	Ctr	0.1	0.37
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 7.0	-0.5	Ctr	0.52
K	MT20	3.0x 7.0	Ctr	Ctr	0.42
O	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	0.5	Ctr	0.46
L	MT20	3.0x 7.0	Ctr	Ctr	0.23
D	MT20	4.0x 6.0	Ctr	0.1	0.37
I	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 7.0	Ctr	-0.5	0.39
M	MT20	3.0x 7.0	Ctr	Ctr	0.36
N	MT20	4.0x 8.0	Ctr	Ctr	0.44
E	MT20	5.0x 7.0	Ctr	-0.5	0.39
G	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

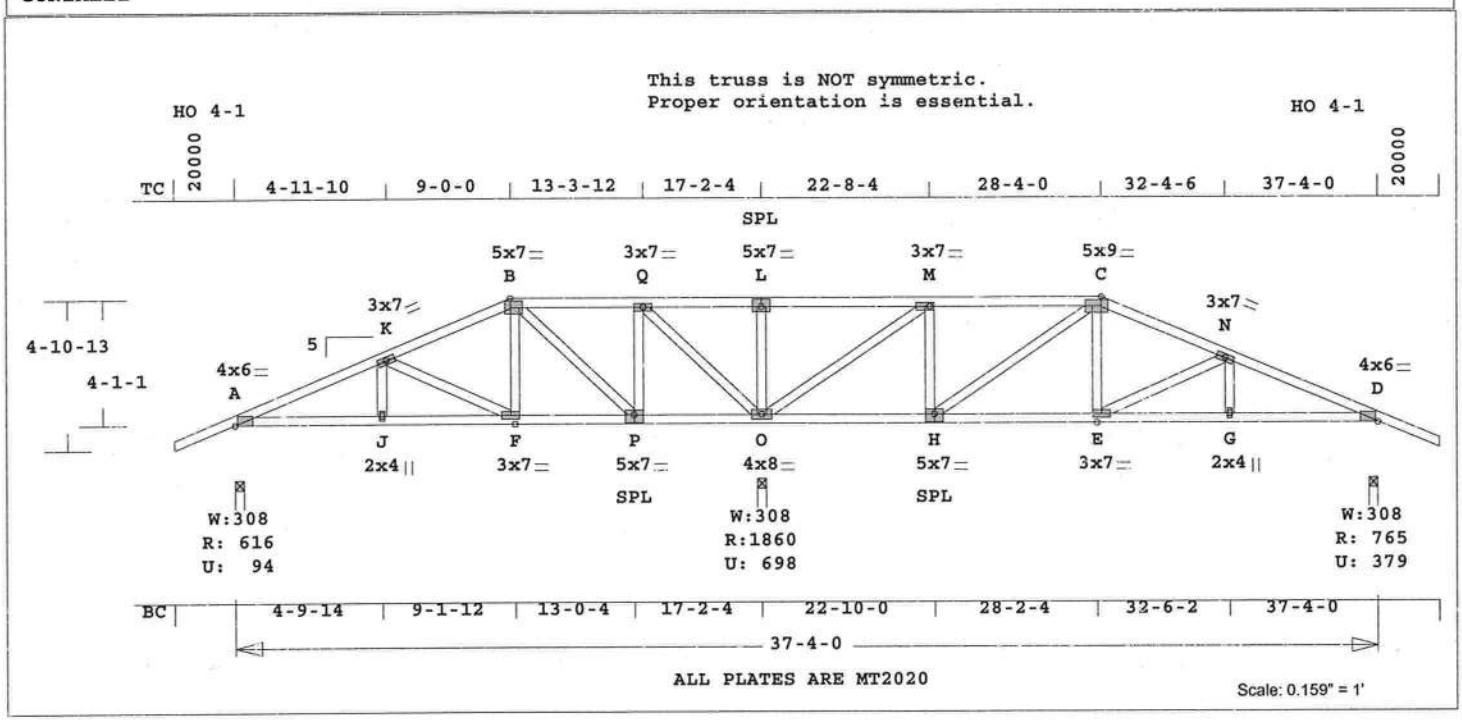
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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---
17- 2- 4 37- 4- 0
Max comp. force 1246 Lbs
Max tens. force 1425 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	B2	1	HIPP	370400	5	2- 0- 0	2- 0- 0	T3292424

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 252.2 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.47	2x 4	SP-#2
BC	0.24	2x 4	SP-#2
WB	0.88	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	37- 4- 0
BC	Cont.	0- 0- 0	37- 4- 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	617	95 U	86 R
O	1861	698 U	
D	765	380 U	85 R

Jt	Brg Size	Required
A	3.5"	1.5"
O	3.5"	2.0"
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 -K	0.23	768 C	0.04	0.19
K -B	0.20	326 C	0.01	0.19
B -Q	0.17	233 C	0.02	0.15
Q -L	0.36	874 T	0.14	0.22
L -M	0.47	874 T	0.14	0.33
M -C	0.33	559 T	0.00	0.33
C -N	0.29	1060 T	0.14	0.15
N -D	0.35	1503 T	0.18	0.17
--------Bottom Chords---------				
A -J	0.19	714 T	0.11	0.08
J -F	0.17	714 T	0.07	0.10
F -P	0.11	290 T	0.03	0.08
P -O	0.15	503 T	0.00	0.15
O -H	0.18	289 C	0.02	0.16
H -E	0.22	779 C	0.06	0.16
E -G	0.23	1325 C	0.17	0.06
G -D	0.24	1325 C	0.17	0.07
----------Webs----------				
J -K	0.02	185 T		
K -F	0.15	460 C		
F -B	0.05	313 T		
B -P	0.25	568 C		
P -Q	0.08	454 T		
Q -O	0.46	1028 C		
O -L	0.06	284 C		
O -M	0.88	1485 T		
H -M	0.12	559 C		
H -C	0.33	590 T		
E -C	0.09	445 C		
E -N	0.14	594 T		
G -N	0.02	188 C		

TL Defl -0.07" in H -E L/999
LL Defl -0.03" in E -G L/999
Shear // Grain in M -C 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	4.0x 6.0	Ctr	0.1	0.37
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 7.0	-0.5	Ctr	0.46
Q	MT20	3.0x 7.0	Ctr	Ctr	0.31
L	MT20	5.0x 7.0	Ctr	0.5	0.39
M	MT20	3.0x 7.0	Ctr	Ctr	0.40
C	MT20	5.0x 9.0	Ctr	-0.1	0.49
N	MT20	3.0x 7.0	Ctr	Ctr	0.19
D	MT20	4.0x 6.0	Ctr	0.1	0.37
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	3.0x 7.0	Ctr	Ctr	0.19
P	MT20	5.0x 7.0	Ctr	-0.5	0.39
O	MT20	4.0x 8.0	Ctr	Ctr	0.47
H	MT20	5.0x 7.0	Ctr	-0.5	0.39
E	MT20	3.0x 7.0	Ctr	Ctr	0.19
G	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

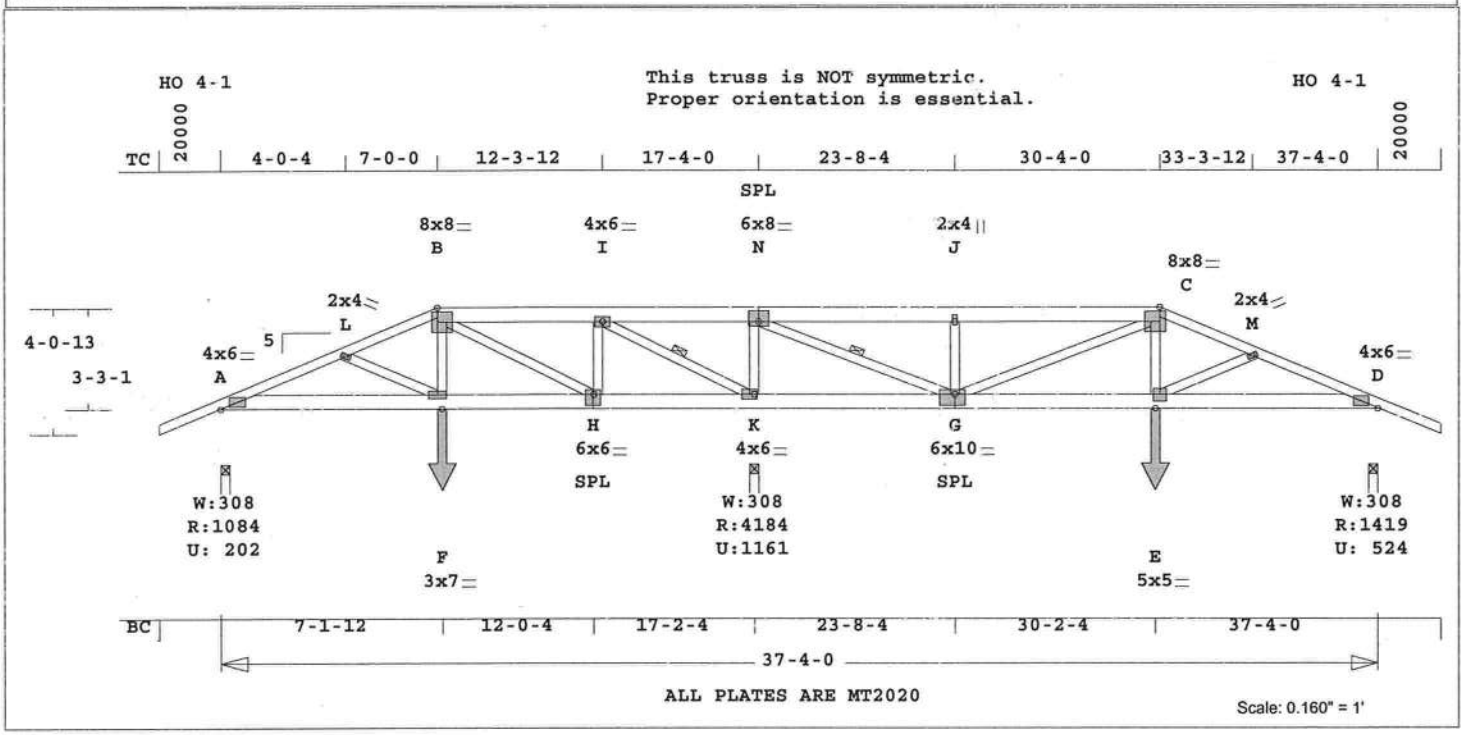
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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---
17- 2- 4 37- 4- 0
Max comp. force 1343 Lbs
Max tens. force 1503 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
BW-GONZALEZ	B3GIR	1	HIPP	370400	5	2- 0- 0	2- 0- 0	T3292425

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 289.0 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.76	2x 6	SP-#2
--	0.74	2x 4	SP-#2
	A -B	C -D	
BC	0.52	2x 6	SP-#2
WB	0.74	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	37- 4- 0
BC	Cont.	0- 0- 0	37- 4- 0

One Continuous Lateral Brace
I -K N -G
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=1.00 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	1085	203 U	65 R
K	4184	1161 U	
D	1419	524 U	63 R

Jt	Brg Size	Required
A	3.5"	1.5"
K	3.5"	4.5" **
D	3.5"	1.7"

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

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	37.3'
BC V	20	0	0.0'	37.3'
TC V	25	50	7.0'	30.3'
BC V	25	0	7.1'	30.2'
BC V	280	280	7.1'	CL-LB
BC V	280	280	30.2'	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 -L	0.25	1907 C	0.13 0.12
L -B	0.49	1770 C	0.02 0.47
B -I	0.40	676 C	0.00 0.40
I -N	0.76	1963 T	0.26 0.50
N -J	0.61	1740 C	0.01 0.60
J -C	0.62	1740 C	0.01 0.61
C -M	0.74	2651 C	0.33 0.41
M -D	0.54	2738 C	0.33 0.21
--------Bottom Chords--------			
A -F	0.39	1758 T	0.23 0.16
F -H	0.33	1630 T	0.21 0.12
H -K	0.40	676 T	0.09 0.31
K -G	0.33	1963 C	0.00 0.33
G -E	0.52	2454 T	0.32 0.20
E -D	0.50	2518 T	0.33 0.17
----------Webs----------			
L -F	0.03	242 T	
F -B	0.14	772 T	
B -H	0.51	1075 C	
H -I	0.12	811 T	
I -K	0.45	3021 C	1 Br
K -N	0.31	2381 C	
N -G	0.74	4032 T	1 Br
G -J	0.13	1016 C	
G -C	0.56	768 C	
E -C	0.14	811 T	
E -M	0.02	192 T	

TL Defl -0.25" in G -E L/964
LL Defl -0.12" in G -E L/999
Shear // Grain in J -C 0.46

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	Ctr	0.56
L	MT20	2.0x 4.0	Ctr	Ctr	0.22
B	MT20	8.0x 8.0	Ctr	Ctr	0.45
I	MT20	4.0x 6.0	Ctr	Ctr	0.82
N	MT20	6.0x 8.0	Ctr	1.2	0.99
J	MT20	2.0x 4.0	Ctr	0.8	0.51
C	MT20	8.0x 8.0	Ctr	Ctr	0.52
M	MT20	2.0x 4.0	Ctr	Ctr	0.22
D	MT20	4.0x 6.0	Ctr	Ctr	0.60
F	MT20	3.0x 7.0	Ctr	Ctr	0.31
H	MT20	6.0x 6.0	Ctr	-1.2	0.43
K	MT20	4.0x 6.0	Ctr	Ctr	0.82
G	MT20	6.0x10.0	-1.0	-1.2	0.94
E	MT20	5.0x 5.0	Ctr	-0.2	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

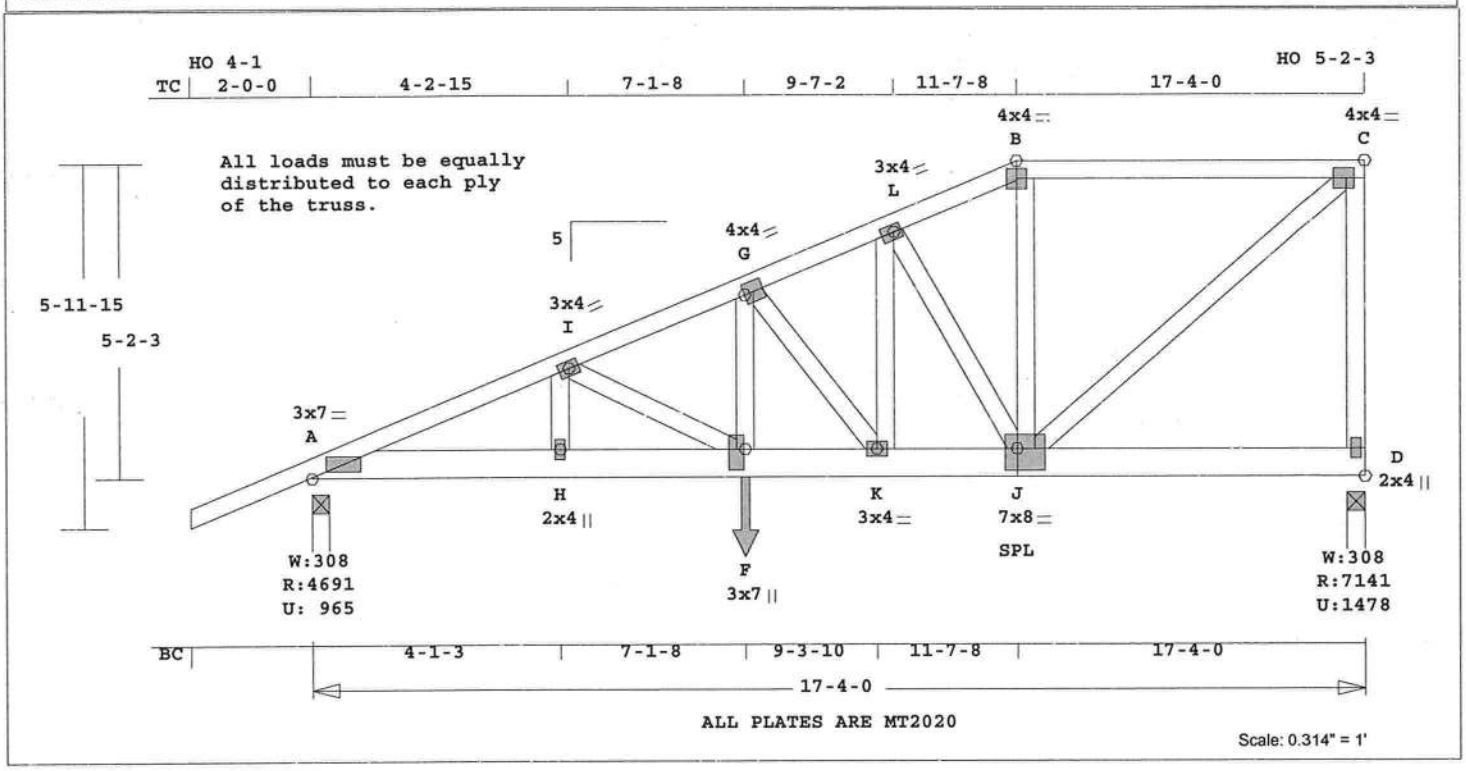
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 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---
17- 2- 4 37- 4- 0
Max comp. force 3144 Lbs
Max tens. force 4032 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	B4GIR	1*3P	HHIP	170400	5	2- 0- 0	0	T3292426

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 151.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09
****
* 3-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.30	2x 4	SP-#2
BC	0.84	2x 6	SP-#2
WB	0.47	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
BC	Cont.	0- 0- 0	17- 4- 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	4692	965 U	105 R
D	7142	1479 U	203 R

Jt	Brg Size	Required
A	3.5"	1.8"
D	3.5"	2.8"

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

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	17.3'
BC V	20	0	0.0'	17.3'
BC V	365	365	7.8'	17.3'
BC V	1664	1664	7.1'	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 -I	0.30	10944	C	0.27	0.03
I -G	0.30	10972	C	0.27	0.03
G -L	0.23	8366	C	0.21	0.02
L -B	0.23	6229	C	0.16	0.07
B -C	0.21	5809	C	0.15	0.06
--------Bottom Chords---------					
A -H	0.55	10091	T	0.40	0.15
H -F	0.55	10091	T	0.40	0.15
F -K	0.57	10137	T	0.41	0.16
K -J	0.84	7712	T	0.31	0.53
J -D	0.59	160	T	0.00	0.59
----------Webs----------					
H -I	0.00	172	C		
I -F	0.00	127	T		
F -G	0.23	3860	T		
G -K	0.13	3895	C		
K -L	0.24	4042	T		
L -J	0.13	3709	C		
J -B	0.12	2141	T		
J -C	0.47	7767	T		
D -C	0.19	5319	C	WindLd	

TL Defl -0.17" in F -K L/999
LL Defl -0.08" in F -K L/999
Shear // Grain in J -D 0.65

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 7.0	Ctr	Ctr	0.86
I	MT20	3.0x 4.0	Ctr	Ctr	0.20
G	MT20	4.0x 4.0	Ctr	Ctr	0.79
L	MT20	3.0x 4.0	-0.5	-0.2	0.81
B	MT20	4.0x 4.0	Ctr	Ctr	0.58
C	MT20	4.0x 4.0	-0.5	Ctr	0.94
H	MT20	2.0x 4.0	Ctr	Ctr	0.13
F	MT20	3.0x 7.0	Ctr	-0.7	0.55
K	MT20	3.0x 4.0	Ctr	Ctr	0.95
J	MT20	7.0x 8.0	1.5	-0.8	0.88
D	MT20	2.0x 4.0	Ctr	Ctr	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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	9	14	0
WB 1	8	8	

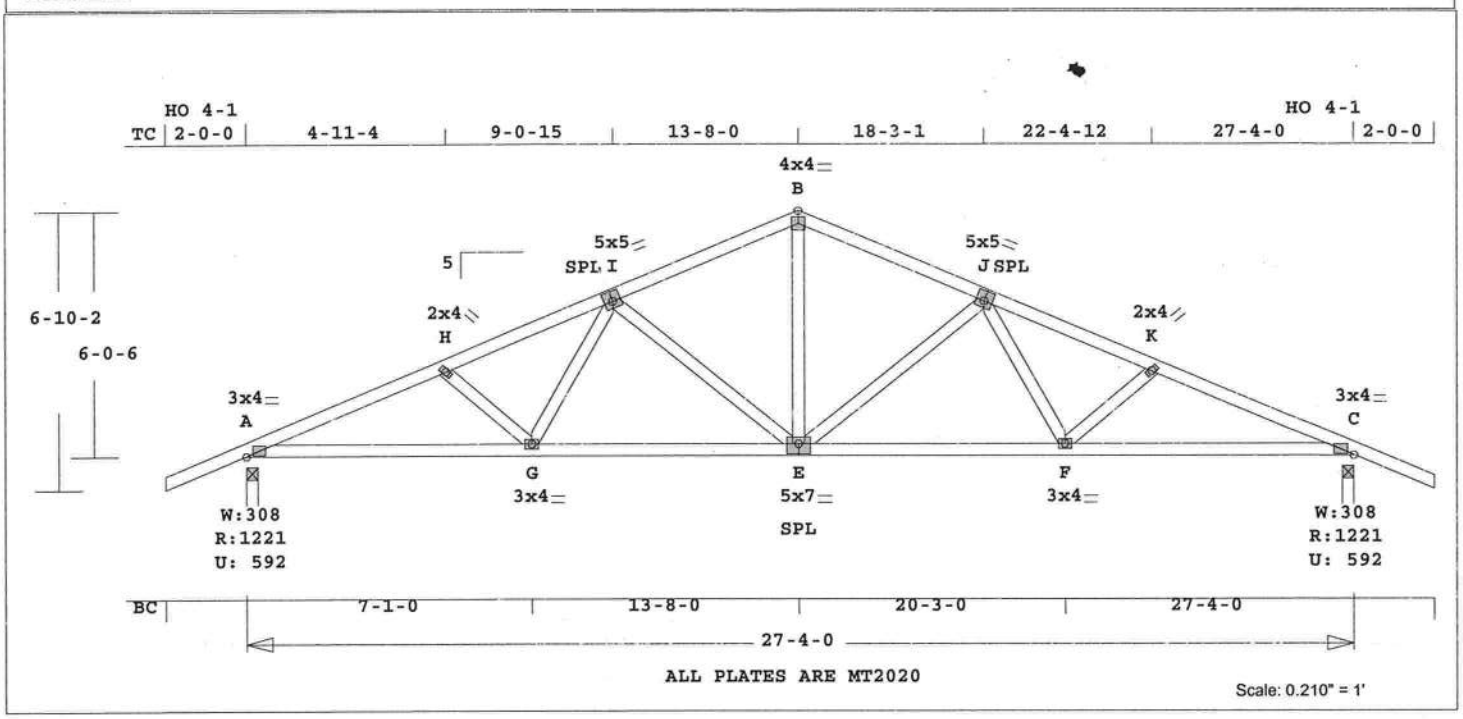
No bolts in 2x4s or smaller.
Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 10972 Lbs
Max tens. force 10137 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	C1	2	TR	270400	5	2- 0- 0	2- 0- 0	T3292427

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 174.0 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
BC	0.44	2x 4	SP-#2
WB	0.61	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	27- 4- 0
BC	Cont.	0- 0- 0	27- 4- 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	1221	592 U	119 R
C	1221	592 U	119 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 -H	0.56	2915 T	0.38	0.18
H -I	0.53	2794 T	0.36	0.17
I -B	0.43	2026 T	0.26	0.17
B -J	0.43	2026 T	0.26	0.17
J -K	0.53	2794 T	0.36	0.17
K -C	0.56	2915 T	0.38	0.18
--------Bottom Chords---------				
A -G	0.44	2595 C	0.34	0.10
G -E	0.42	2116 C	0.28	0.14
E -F	0.42	2116 C	0.28	0.14
F -C	0.44	2595 C	0.34	0.10
----------Webs----------				
H -G	0.04	312 T		
G -I	0.16	597 C		
J -E	0.28	743 T		
E -B	0.61	1240 C		
E -J	0.28	743 T		
J -F	0.16	597 C		
F -K	0.04	312 T		

TL Defl -0.20" in G -E L/999
LL Defl -0.09" in G -E L/999
Shear // Grain in I -B 0.19

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.96
H	MT20	2.0x 4.0	Ctr	Ctr	0.23
I	MT20	5.0x 5.0	-0.2	0.5	0.47
B	MT20	4.0x 4.0	Ctr	Ctr	0.59
J	MT20	5.0x 5.0	0.2	0.5	0.47
K	MT20	2.0x 4.0	Ctr	Ctr	0.23
C	MT20	3.0x 4.0	Ctr	Ctr	0.96
G	MT20	3.0x 4.0	Ctr	Ctr	0.30
E	MT20	5.0x 7.0	Ctr	-0.5	0.44
F	MT20	3.0x 4.0	Ctr	Ctr	0.30

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph

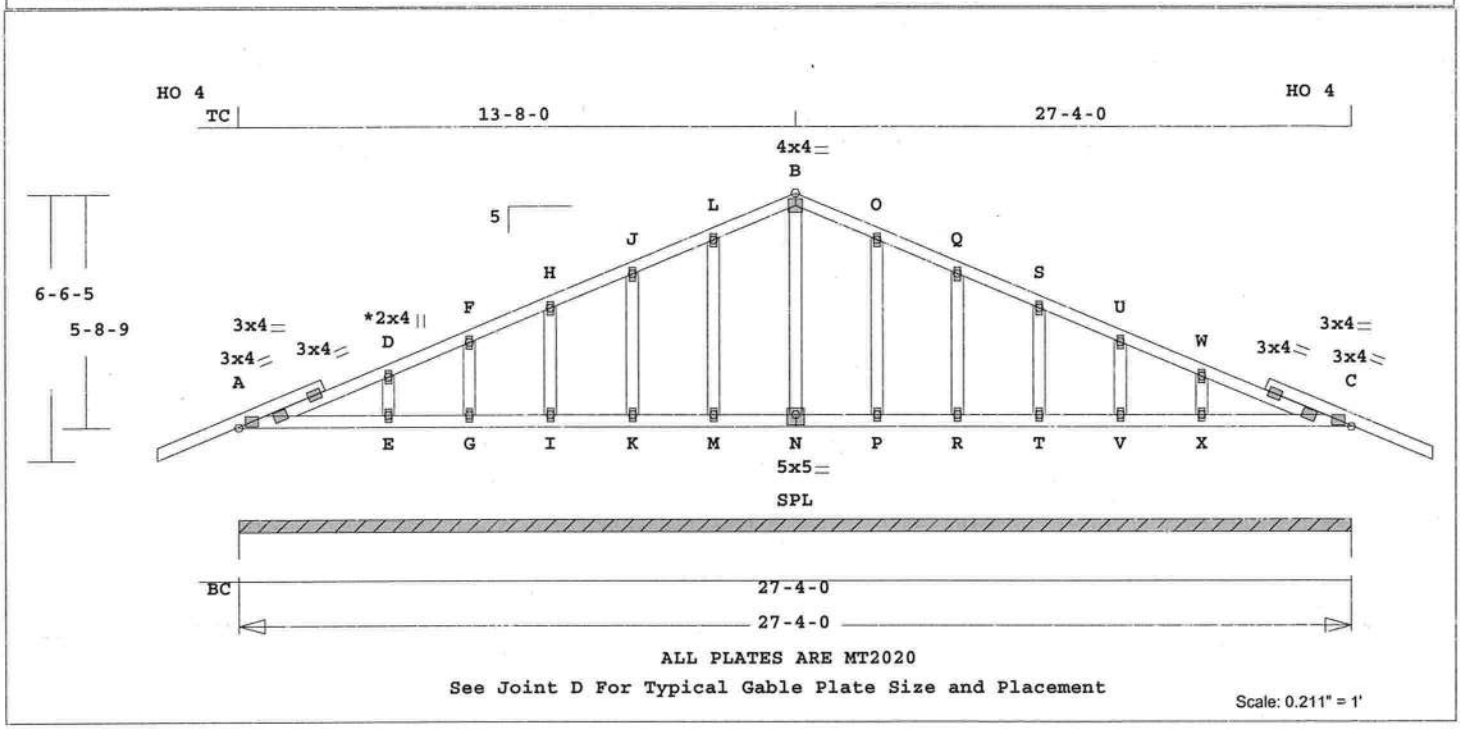
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 27- 4- 0
Max comp. force 2595 Lbs
Max tens. force 2915 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	C2GE	1	TR	270400	5	0	0	T3292428

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 181.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	Size	Lumber
TC	0.07	2x 4	SP-#2
BC	0.09	2x 4	SP-#2
GW	0.04	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	27- 4- 0
BC	Cont.	0- 0- 0	27- 4- 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	2187	451 U	112 R

Jt	Brg Size	Required
A	328.0"	0"-to- 328"

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	0.07	76	C	0.00 0.07
D -F	0.07	91	C	0.00 0.07
F -H	0.04	86	T	0.01 0.03
H -J	0.04	142	T	0.01 0.03
J -L	0.06	197	T	0.02 0.04
L -B	0.07	250	T	0.03 0.04
B -O	0.07	250	T	0.03 0.04
O -Q	0.06	197	T	0.02 0.04
Q -S	0.04	142	T	0.01 0.03
S -U	0.04	86	T	0.01 0.03
U -W	0.07	91	C	0.00 0.07
W -C	0.07	76	C	0.00 0.07
--------Bottom Chords---------				
A -E	0.09	17	T	0.00 0.09
E -G	0.04	0	T	0.00 0.04
G -I	0.02	0	T	0.00 0.02
I -K	0.02	0	T	0.00 0.02
K -M	0.02	0	T	0.00 0.02
M -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 -V	0.02	0	T	0.00 0.02
V -X	0.04	0	T	0.00 0.04
X -C	0.09	17	T	0.00 0.09
----------Gable Webs----------				
E -D	0.02	200	T	
G -F	0.01	110	T	
I -H	0.01	125	T	
K -J	0.02	130	T	
M -L	0.04	201	T	
N -B	0.02	53	C	
P -O	0.04	201	T	
R -Q	0.02	130	T	
T -S	0.01	125	T	
V -U	0.01	110	T	
X -W	0.02	200	T	

TL Defl 0.00" in X -C L/999
LL Defl 0.00" in X -C L/999
Shear // Grain in A -D 0.11

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	0.54
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
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4.0	Ctr	Ctr	0.44
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
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 4.0	Ctr	Ctr	0.54
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
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	5.0x 5.0	Ctr	-0.5	0.39
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
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
X	MT20	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

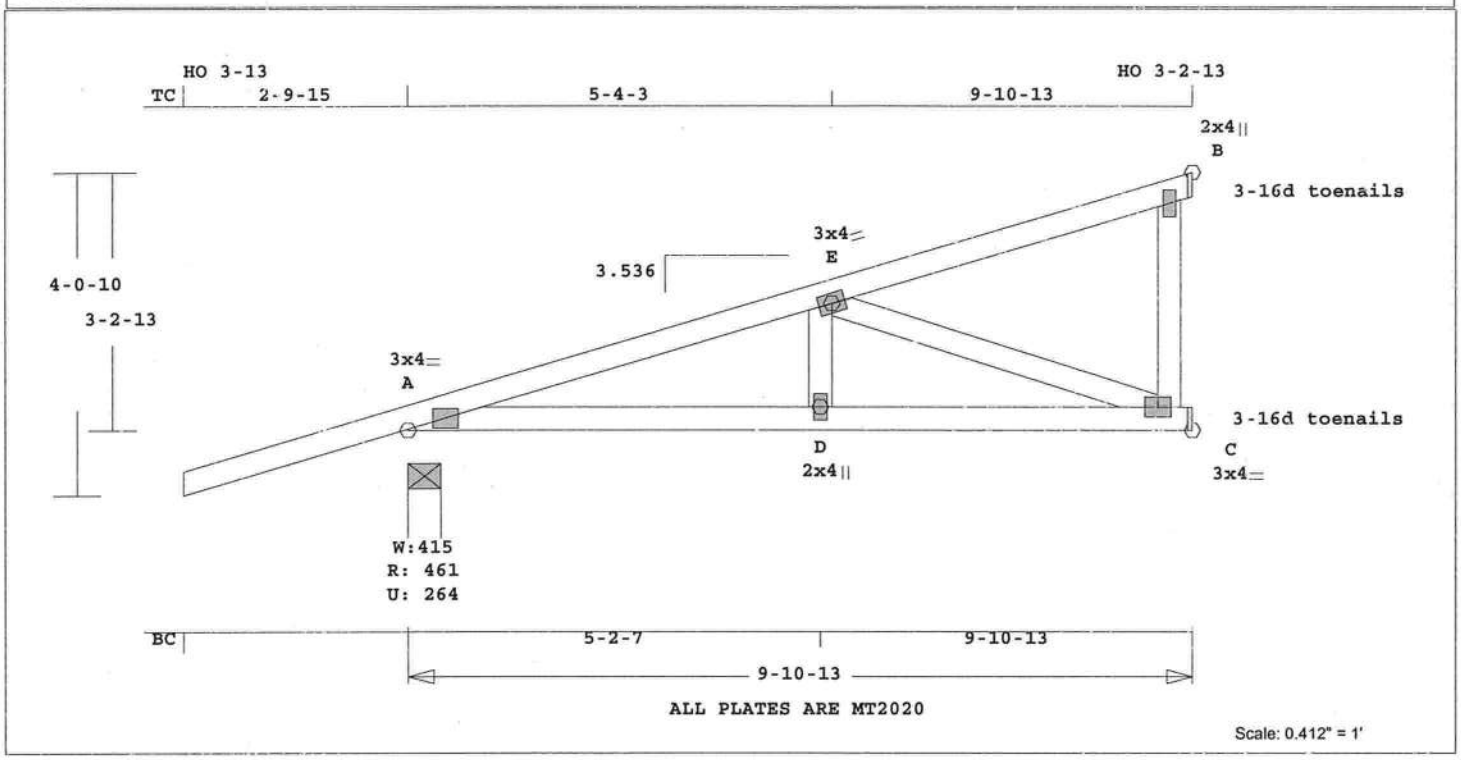
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 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 176 Lbs
Max tens. force 250 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
BW-GONZALEZ	**CJ1**	5	MONO.DD	91013	3.536	2- 9-15	0	**T3292429**

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 59.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size	----Lumber----
TC	0.48	2x 4	SP-#2
BC	0.27	2x 4	SP-#2
WB	0.24	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9-10-13
BC	Cont.	0- 0- 0	9-10-13

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	461	264 U	96 R
C	348	148 U	
B	238	105 U	125 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

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

plf -	Dead	Live*	From	To
TC V	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	0.48	1109 T	0.16	0.32	
E -B	0.43	76 T	0.00	0.43	
--------Bottom Chords---------					
A -D	0.24	1154 C	0.00	0.24	
D -C	0.27	1154 C	0.08	0.19	
----------Webs----------					
D -E	0.03	357 C			
E -C	0.24	1317 T			
C -B	0.04	0 T	WindLd		

TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in E -B 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	3.0x 4.0	Ctr	Ctr	0.58
E	MT20	3.0x 4.0	Ctr	Ctr	0.55
B	MT20	2.0x 4.0	Ctr	Ctr	0.12
D	MT20	2.0x 4.0	Ctr	Ctr	0.15
C	MT20	3.0x 4.0	Ctr	Ctr	0.59

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack
Loading TC and BC
Setback 7- 0- 0

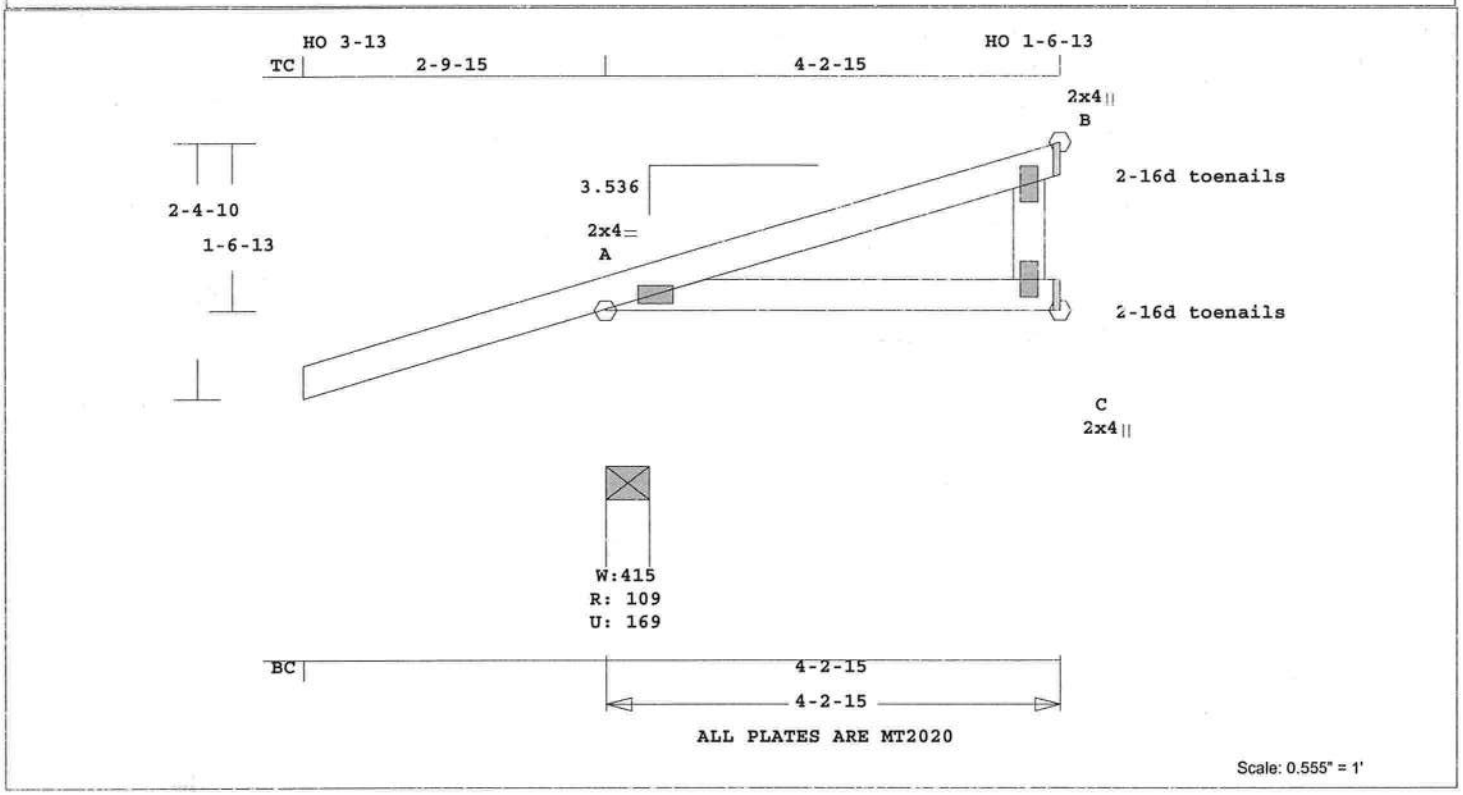
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: 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 9-10-13
Max comp. force 1154 Lbs
Max tens. force 1317 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	CJ2	2	MONO.DD	40215	3.536	2- 9-15	0	T3292430

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 23.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.20	2x 4	SP-#2
BC	0.26	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 2-15
BC	Cont.	0- 0- 0	4- 2-15

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	110	169 U	49 R
C	40	39 U	
B	58	31 U	30 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

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

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	4.2'
BC V	20	0	0.0'	4.2'
TC V	-20	-40	0.0'	
	-6	-12		4.2'
BC V	-20	0	0.0'	
	-6	0		4.2'

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	0.20	27 C	0.00 0.20
--------Bottom Chords---------			
A -C	0.26	40 T	0.00 0.26
----------Webs----------			
C -B	0.00	0 T	WindLd

TL Defl -0.01" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.20

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.76
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
C	MT20	2.0x 4.0	Ctr	Ctr	0.12

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack
Loading TC and BC
Setback 3- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

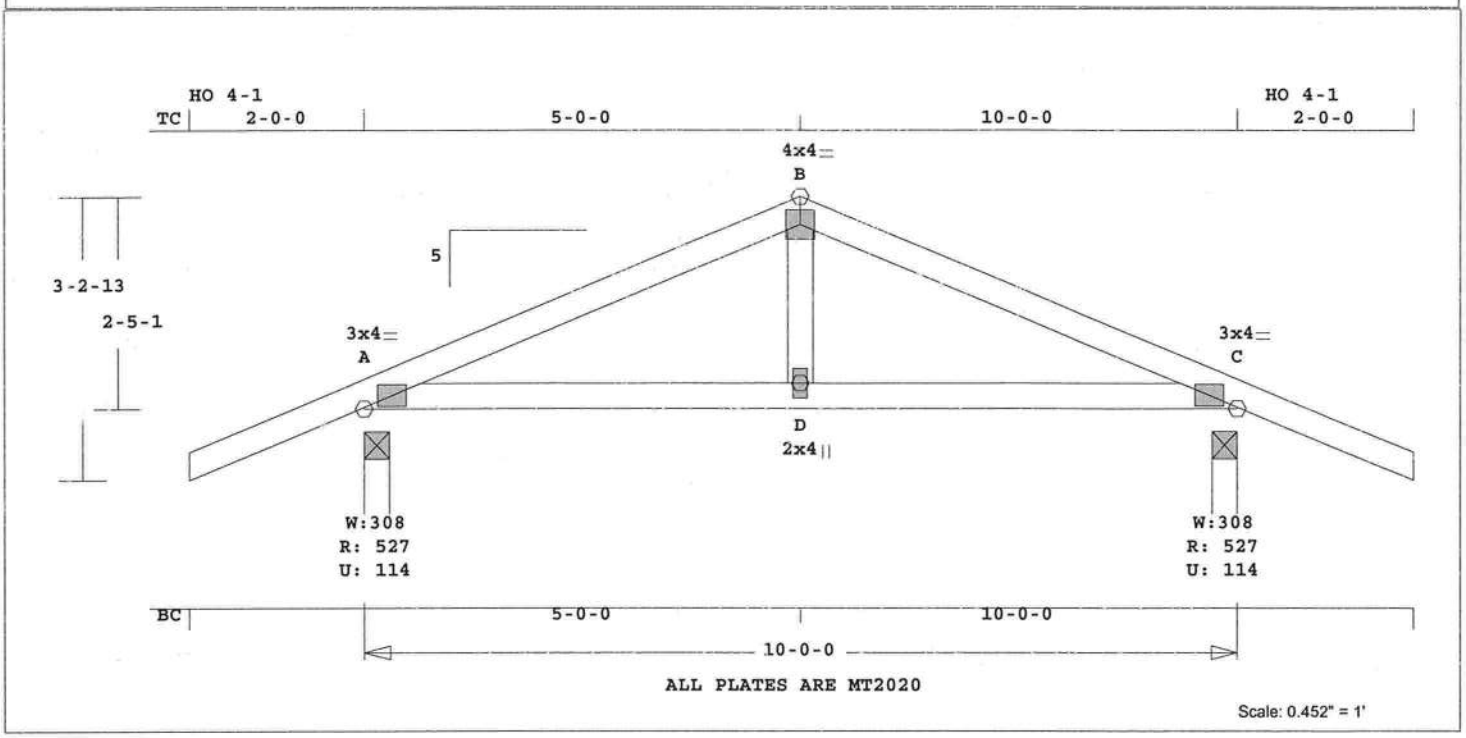
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 4- 2-15
Max comp. force 30 Lbs
Max tens. force 40 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*D1*	6	TR	100000	5	2- 0- 0	2- 0- 0	*T3292431*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 51.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.27	2x 4	SP-#2
BC	0.20	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	528	114 U	
C	528	114 U	

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.27	547 T	0.06	0.21
B -C	0.27	547 T	0.06	0.21
--------Bottom Chords---------				
A -D	0.20	504 T	0.08	0.12
D -C	0.20	504 T	0.08	0.12
----------Webs----------				
D -B	0.03	214 T		

TL Defl -0.03" in D -C L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in A -B 0.23

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.54
B	MT20	4.0x 4.0	Ctr	Ctr	0.44
C	MT20	3.0x 4.0	Ctr	Ctr	0.54
D	MT20	2.0x 4.0	Ctr	Ctr	0.14

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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

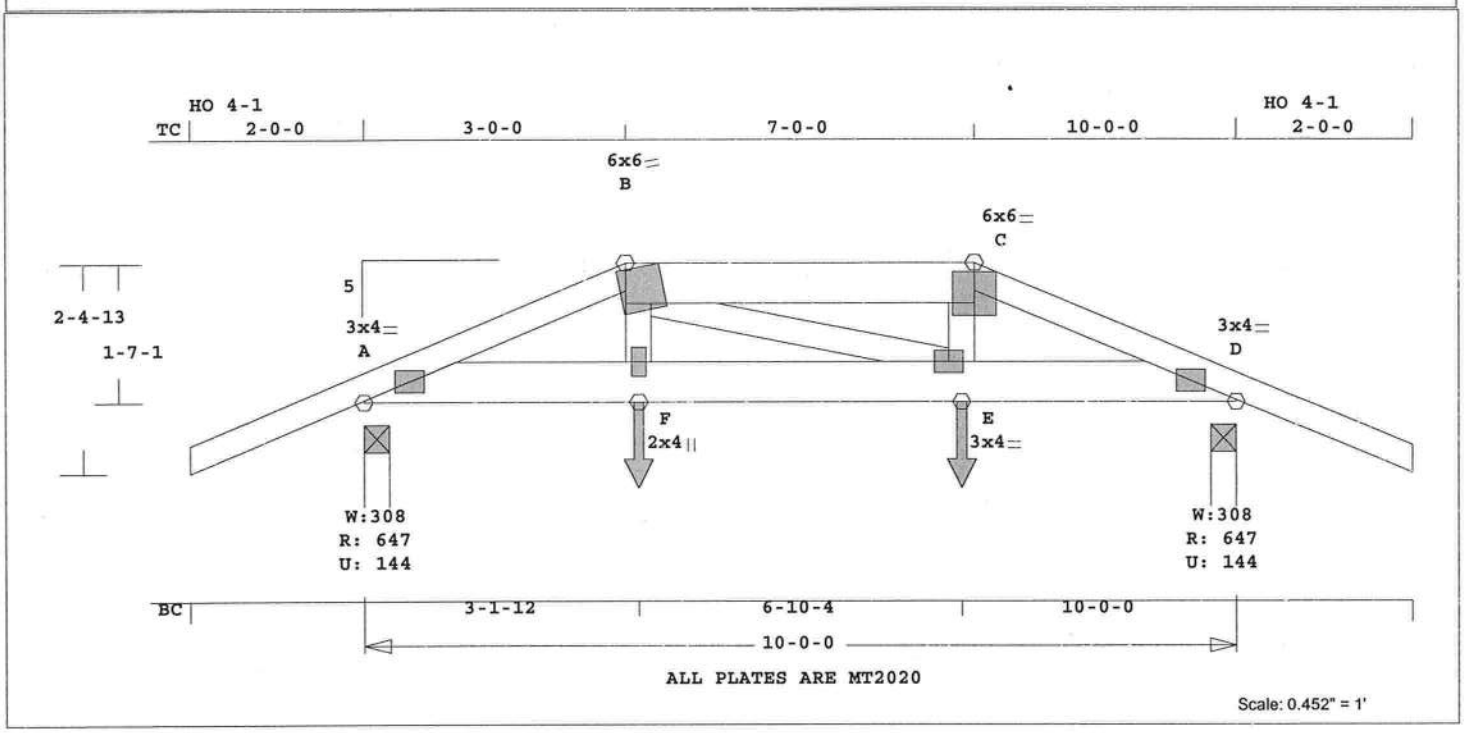
Max comp. force 544 Lbs
Max tens. force 547 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	D2GIR	1	HIPP	100000	5	2- 0- 0	2- 0- 0	T3292432

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 69.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
--	0.24	2x 6	SP-#2
	B -C		
BC	0.23	2x 6	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=1.00 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	647	145 U	
D	647	145 U	

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'	10.0'
BC V	20	0	0.0'	10.0'
TC V	5	10	3.0'	7.0'
BC V	5	0	3.1'	6.9'
BC V	40	40	3.1'	CL-LB
BC V	40	40	6.9'	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	0.22	935 C	0.13 0.09
B -C	0.24	1009 T	0.10 0.14
C -D	0.25	1045 C	0.14 0.11
--------Bottom Chords--------			
A -F	0.23	881 T	0.11 0.12
F -E	0.23	868 T	0.11 0.12
E -D	0.14	981 T	0.13 0.01
----------Webs----------			
F -B	0.02	144 T	
B -E	0.02	116 T	
E -C	0.03	205 T	

TL Defl -0.05" in F -E L/999
LL Defl -0.02" in F -E 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	3.0x 4.0	Ctr	Ctr	0.78
B	MT20	6.0x 6.0	2.2	-3.5	0.93
C	MT20	6.0x 6.0	Ctr	-0.5	0.43
D	MT20	3.0x 4.0	Ctr	Ctr	0.78
F	MT20	2.0x 4.0	Ctr	Ctr	0.13
E	MT20	3.0x 4.0	Ctr	Ctr	0.17

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 3- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02

Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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 1045 Lbs
Max tens. force 1032 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
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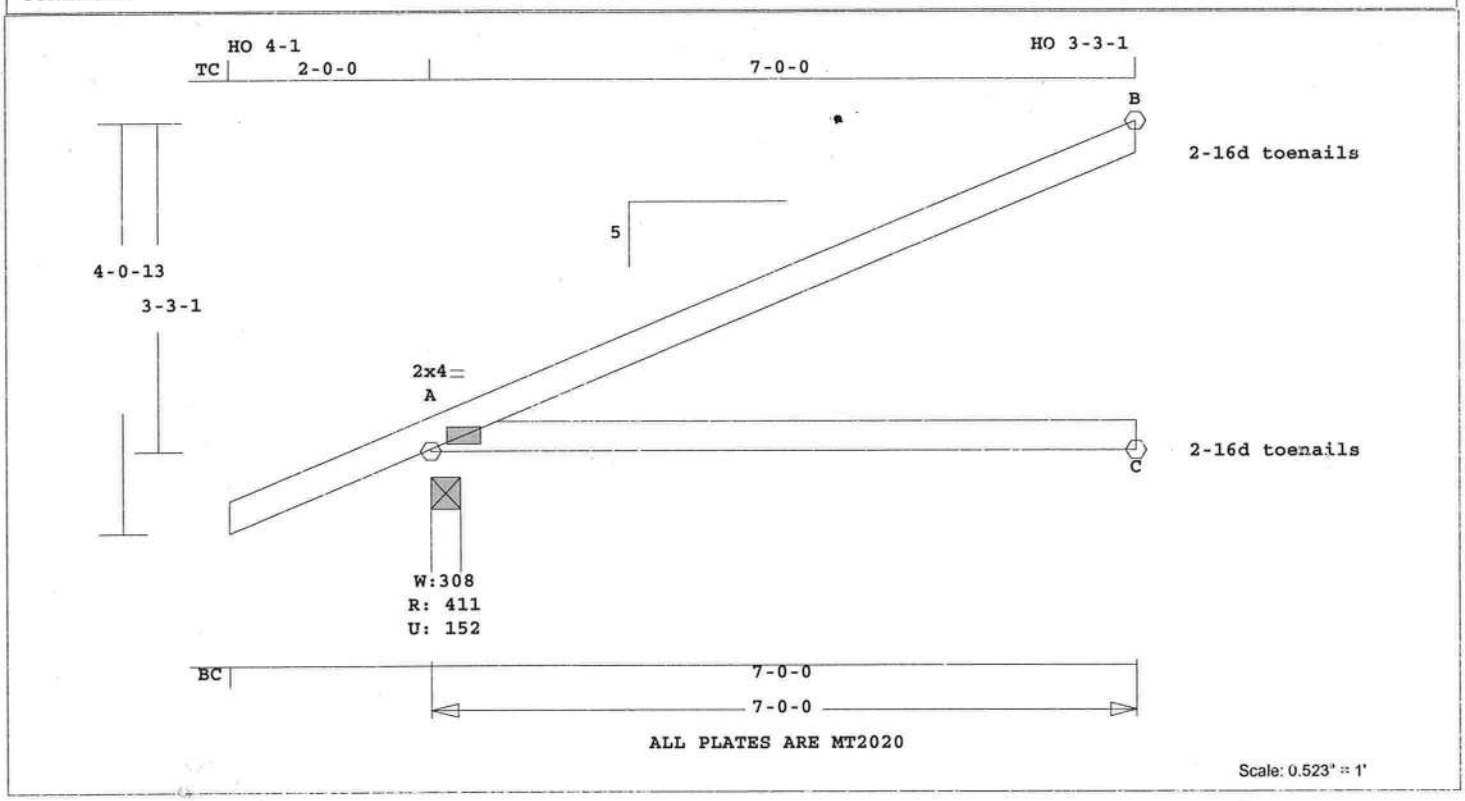
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	J1	43	JCA2	70000	5	2- 0- 0	0	T3292433

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.80	2x 4	SP-#2
BC	0.81	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	411	153 U	284 R
C	131	61 U	
B	188	105 U	71 R

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

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

Membr	CSI	F Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.80	170 C	0.00 0.80
--------Bottom Chords---------			
A -C	0.81	0 T	0.00 0.81

TL Defl -0.18" in A -C L/427
LL Defl -0.07" in A -C L/999
Shear // Grain in A -B 0.37

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	0.68

REVIEWED BY:
Robbins Engineering, Inc.
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Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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 7- 0- 0
Max comp. force 170 Lbs
Max tens. force 44 Lbs
Quality Control Factor 1.25

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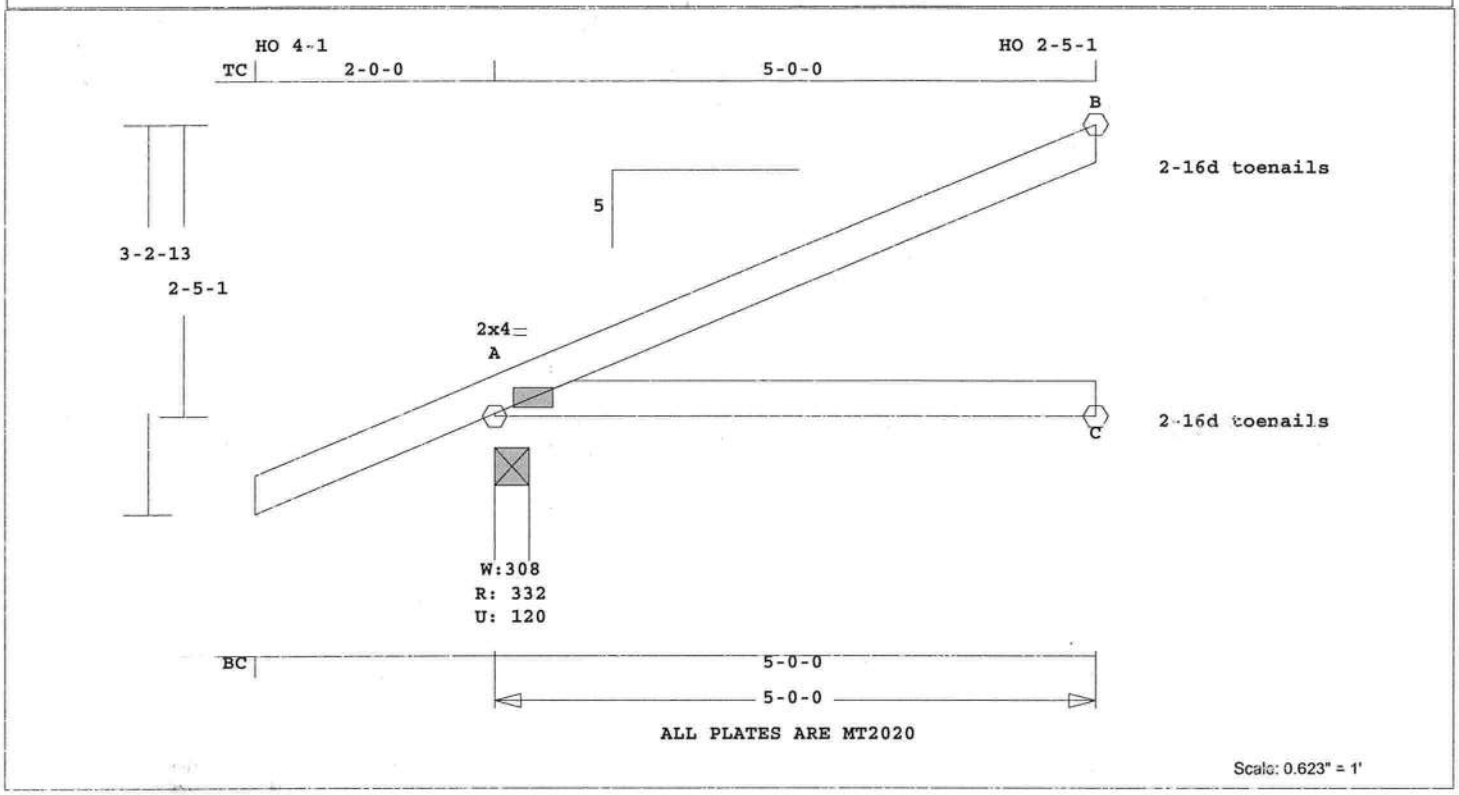
February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	J2	10	JCA2	50000	5	2- 0- 0	0	T3292434

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.0 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.48	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	333	120 U	236 R
C	93	44 U	
B	132	75 U	51 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.49	139 C	0.00 0.49
--------Bottom Chords---------			
A -C	0.48	0 T	0.00 0.48

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 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	2.0x 4.0	Ctr	Ctr	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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---
C- 0- 0 5- 0- 0
Max comp. force 139 Lbs
Max tens. force 32 Lbs
Quality Control Factor 1.25

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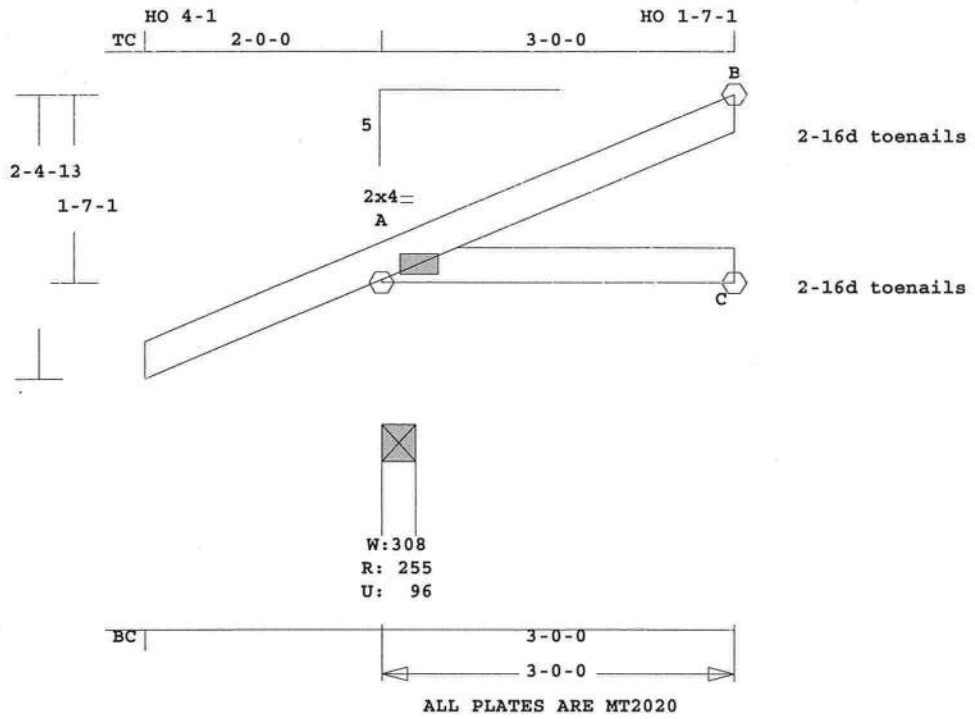
February 25,2009

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	J3	13	JCA2	30000	5	2- 0- 0	0	T3292435

GONZALEZ



Scale: 0.613" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 16.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.16	2x 4	SP-#2
BC	0.16	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	255	97 U	168 R
C	55	26 U	
B	77	44 U	30 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.16	84 C	0.00 0.16
--------Bottom Chords---------			
A -C	0.16	0 T	0.00 0.16

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.17

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	0.68

REVIEWED BY:
Robbins Engineering, Inc.
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Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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 3- 0- 0
Max comp. force 84 Lbs
Max tens. force 19 Lbs
Quality Control Factor 1.25

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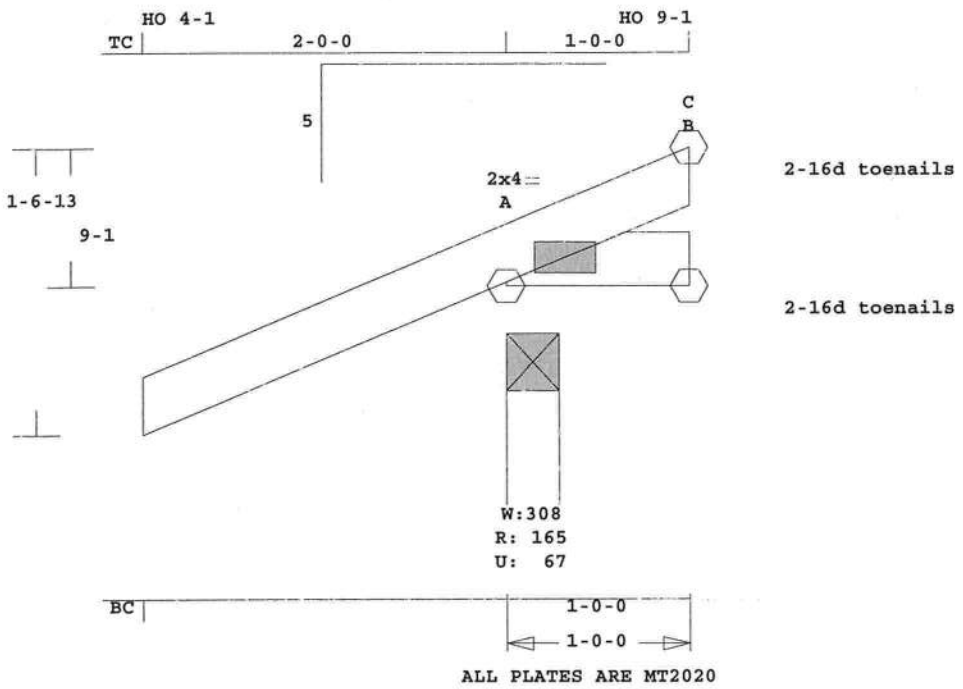
February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	J4	14	JCA2	10000	5	2- 0- 0	0	T3292436

GONZALEZ



Scale: 0.946" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 8.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.02	2x 4	SP-#2
BC	0.02	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	165	68 U	56 R
B	26	15 U	
C	18	11 U	9 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.02	30 C	0.00 0.02
--------Bottom Chords---------			
A -C	0.02	9 T	0.00 0.02

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in B -B 0.06

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	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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 1- 0- 0
Max comp. force 30 Lbs
Max tens. force 9 Lbs
Quality Control Factor 1.25

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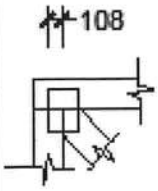
February 25,2009

ROBBINS ENG. GENERAL NOTES & SYMBOLS

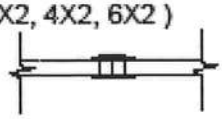
PLATE LOCATION



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

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.

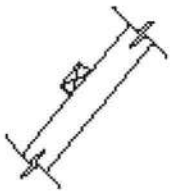
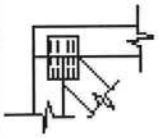


PLATE SIZE AND ORIENTATION

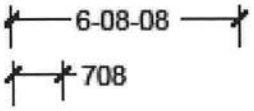
3x5 ||

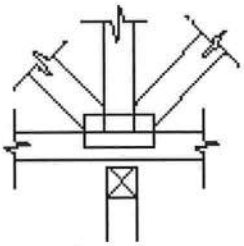


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" 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 erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS 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.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 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.

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 FABRICATOR.

Robbins Engineering, Inc.

6904 Parke East Blvd.
Tampa, Fl 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 464 SW Pleasant Hill Fort. White 32038 **Project Name:** Douglas Gonzalez

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	Therma-Tru	Steel - FiberGlass	FI-1170
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Better Built	BB 740 140mph	FL 663
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Certain teed	Vinyl Siding	FI 3148-R2
2. Soffits	Reynolds	Alumium Soffit	FI-4125
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Owens Corning	Oakridge Pro Series AR Shingles	FL 10674-R1
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other	Warrior	Felt	FL 2346
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up	CHI OverHead	Garage Door	FL 3610
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simipson	Hurricane Strips	FL. 1423
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
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

Leon T. Wright

Contractor or Contractor's Authorized Agent Signature

Leon T. WRIGHT 02-04-09

Print Name Date

Location

Permit # **(FOR STAFF USE ONLY)**

RE: BW-GONZALEZ -

Site Information:
Customer Info: BUILT WRIGHT CUSTOM HOMES Model: GONZALEZ
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: FBC2004/TPI2002 Design Program: Robbins OnLine Plus 23.0.052
Wind Code: ASCE 7-02 Wind Speed: 120 mph
Roof Load: 40.0 psf

This package includes 37 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	T3292400	A1	2/25/09	18	T3292417	A18AA	2/25/09
2	T3292401	A2	2/25/09	19	T3292418	A19	2/25/09
3	T3292402	A3	2/25/09	20	T3292419	A20	2/25/09
4	T3292403	A4	2/25/09	21	T3292420	A21	2/25/09
5	T3292404	A5	2/25/09	22	T3292421	A22	2/25/09
6	T3292405	A6	2/25/09	23	T3292422	A23	2/25/09
7	T3292406	A7GIR	2/25/09	24	T3292423	B1	2/25/09
8	T3292407	A8GIR	2/25/09	25	T3292424	B2	2/25/09
9	T3292408	A9	2/25/09	26	T3292425	B3GIR	2/25/09
10	T3292409	A10	2/25/09	27	T3292426	B4GIR	2/25/09
11	T3292410	A11	2/25/09	28	T3292427	C1	2/25/09
12	T3292411	A12	2/25/09	29	T3292428	C2GE	2/25/09
13	T3292412	A13	2/25/09	30	T3292429	CJ1	2/25/09
14	T3292413	A14	2/25/09	31	T3292430	CJ2	2/25/09
15	T3292414	A15	2/25/09	32	T3292431	D1	2/25/09
16	T3292415	A16	2/25/09	33	T3292432	D2GIR	2/25/09
17	T3292416	A17	2/25/09	34	T3292433	J1	2/25/09

The truss drawing(s) referenced above have been prepared by Robbins Engineering, 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.

Philip J. O'Regan, FL Lic. #58126
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6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

6904 Parke East Boulevard
Tampa, FL 33610-4115
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbinseng.com

February 25,2009

RE: BW-GONZALEZ -

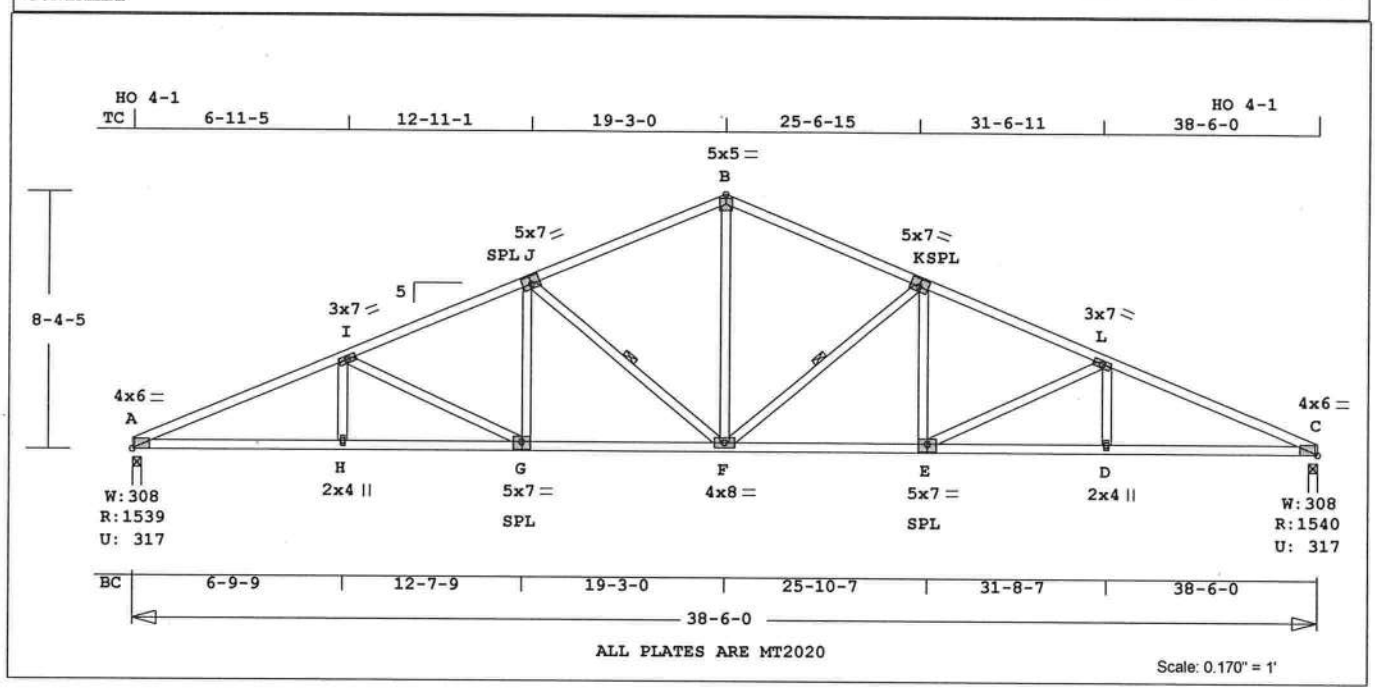
Site Information:

Project Customer: BUILT WRIGHT CUSTOM HOMES Project Name: GONZALEZ
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

No.	Seal#	Truss Name	Date
35	T3292434	J2	2/25/09
36	T3292435	J3	2/25/09
37	T3292436	J4	2/25/09

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A1	1	TR	380600	5	0	0	T3292400

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 249.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.55	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
WB	0.61	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
J -F F -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	1540	317 U	187 R
C	1540	317 U	187 R

Jt	Brg Size	Required
A	3.5"	1.8"
C	3.5"	1.8"

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	0.53	3244 C	0.24 0.29
I -J	0.55	2661 C	0.21 0.34
J -B	0.51	1998 C	0.17 0.34
B -K	0.51	1998 C	0.17 0.34
K -L	0.55	2661 C	0.21 0.34
L -C	0.53	3244 C	0.24 0.29
--------Bottom Chords---------			
A -H	0.62	2995 T	0.50 0.12
H -G	0.60	2995 T	0.50 0.10
G -F	0.54	2459 T	0.41 0.13
F -E	0.54	2459 T	0.41 0.13
E -D	0.60	2995 T	0.50 0.10
D -C	0.62	2995 T	0.50 0.12
----------Webs----------			
H -I	0.03	242 T	
I -G	0.39	595 C	
G -J	0.07	442 T	
J -F	0.22	801 C	1 Br
F -B	0.61	1156 T	
F -K	0.22	801 C	1 Br
E -K	0.07	442 T	
E -L	0.39	595 C	
D -L	0.03	242 T	

TL Defl -0.40" in G -F L/999
LL Defl -0.19" in F -E L/999
Shear // Grain in J -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	4.0x 6.0	Ctr	0.1	0.72
I	MT20	3.0x 7.0	Ctr	Ctr	0.19
J	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
K	MT20	5.0x 7.0	0.2	0.5	0.38
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	4.0x 6.0	Ctr	0.1	0.72
H	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	5.0x 7.0	Ctr	-0.5	0.59
F	MT20	4.0x 8.0	Ctr	Ctr	0.35
E	MT20	5.0x 7.0	Ctr	-0.5	0.59
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

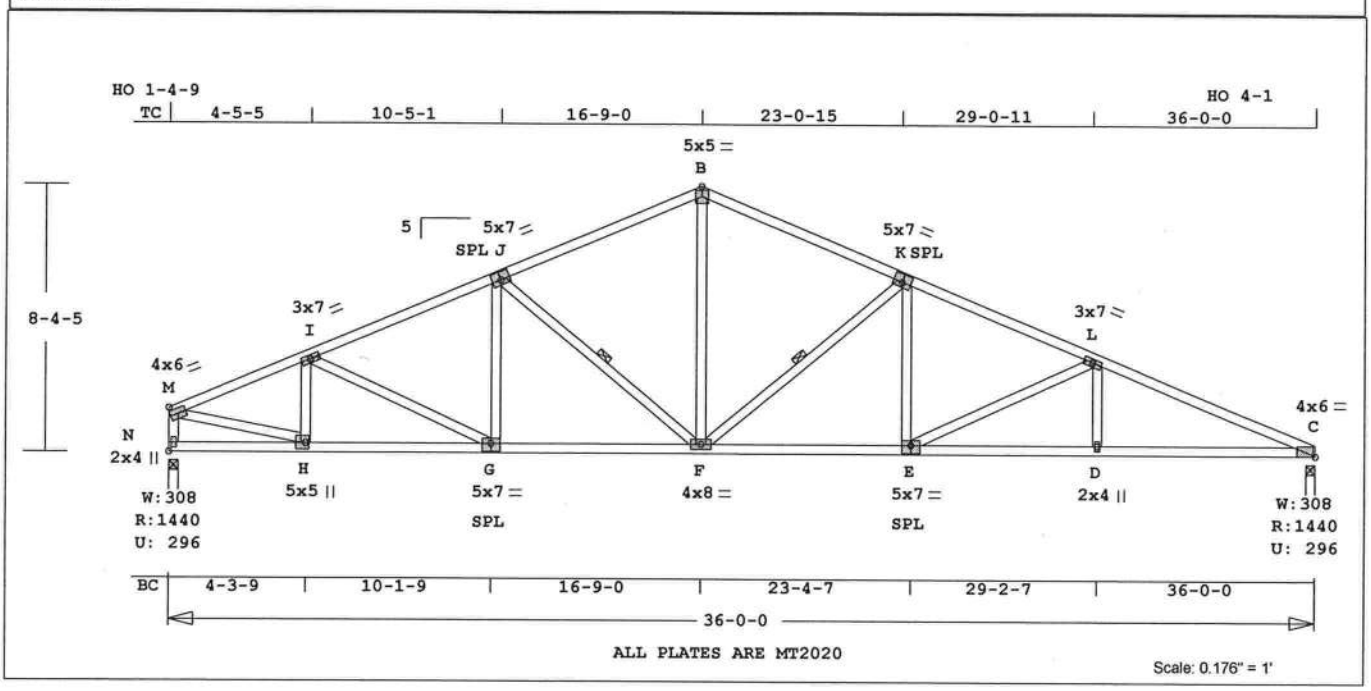
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3244 Lbs
Max tens. force 2995 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A2	1	TR	360000	5	0	0	T3292401

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 249.2 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.53	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
WB	0.51	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0

One Continuous Lateral Brace
J -F F -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-
N	1440	297 U	203 R
C	1440	297 U	177 R

Jt	Brg Size	Required
N	3.5"	1.7"
C	3.5"	1.7"

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----------				
M -I	0.40	2028 C	0.16	0.24
I -J	0.52	2144 C	0.17	0.35
J -B	0.50	1741 C	0.15	0.35
B -K	0.49	1741 C	0.15	0.34
K -L	0.53	2406 C	0.19	0.34
L -C	0.51	2996 C	0.22	0.29
--------Bottom Chords---------				
N -H	0.13	185 T	0.00	0.13
H -G	0.42	1883 T	0.31	0.11
G -F	0.46	1984 T	0.33	0.13
F -E	0.50	2223 T	0.37	0.13
E -D	0.56	2767 T	0.46	0.10
D -C	0.59	2767 T	0.46	0.13
----------Webs----------				
N -M	0.13	1403 C	WindLd	
M -H	0.36	1953 T		
H -I	0.06	411 C		
I -G	0.02	111 T		
G -J	0.03	218 T		
J -F	0.14	493 C		1 Br
F -B	0.51	961 T		
F -K	0.23	804 C		1 Br
E -K	0.07	444 T		
E -L	0.39	603 C		
D -L	0.03	244 T		

TL Defl -0.30" in F -E L/999
LL Defl -0.14" in E -D L/999
Shear // Grain in J -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
M	MT20	4.0x 6.0	Ctr	Ctr	0.60
I	MT20	3.0x 7.0	Ctr	Ctr	0.19
J	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
K	MT20	5.0x 7.0	0.2	0.5	0.38
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	4.0x 6.0	Ctr	0.1	0.66
N	MT20	2.0x 4.0	Ctr	Ctr	0.60
H	MT20	5.0x 5.0	-1.2	0.1	0.83
G	MT20	5.0x 7.0	Ctr	-0.5	0.43
F	MT20	4.0x 8.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.54
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

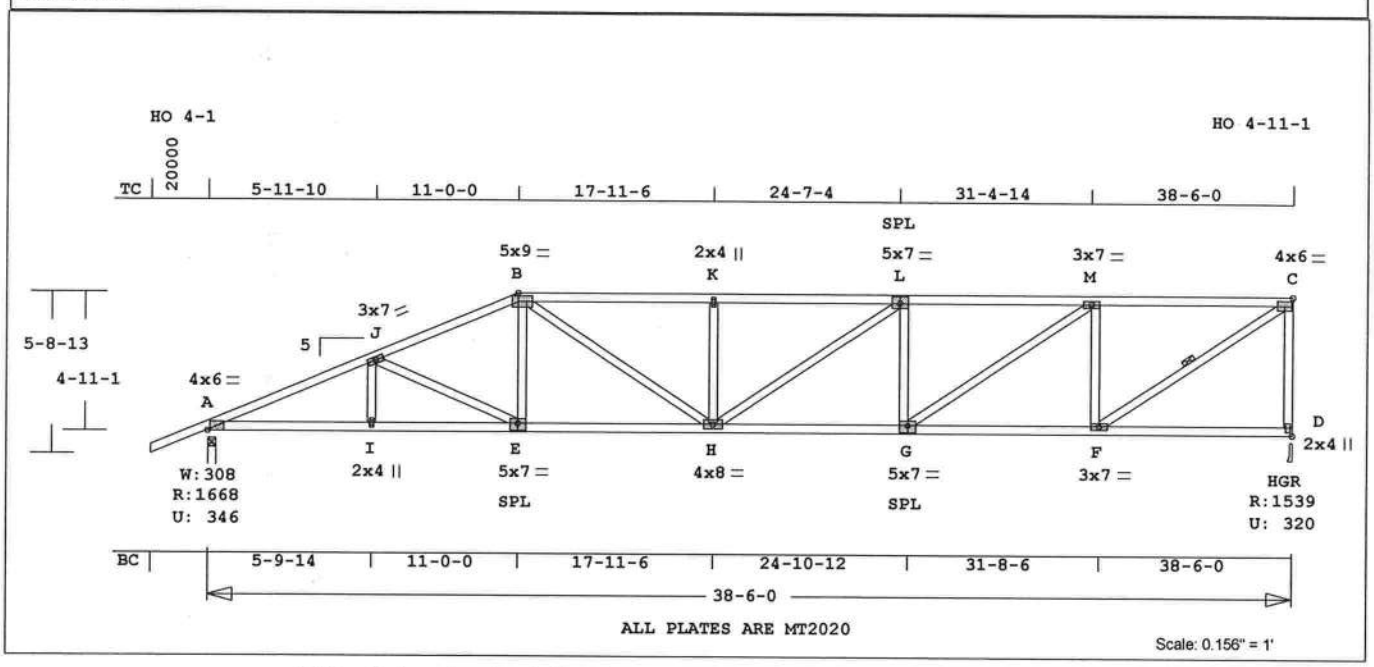
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2996 Lbs
Max tens. force 2767 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A3	1	HHIP	380600	5	2- 0- 0	0	T3292402

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 266.2 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.58	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
WB	0.64	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
F -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	1668	347 U	125 R
D	1540	320 U	194 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	1.8"

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

Membr	CSI	P Lbs		Axl-CSI-Bnd	
----------Top Chords----------					
A -J	0.44	3280	C	0.23	0.21
J -B	0.41	2824	C	0.20	0.21
B -K	0.58	3205	C	0.15	0.43
K -L	0.51	3205	C	0.06	0.45
L -M	0.56	2945	C	0.05	0.51
M -C	0.53	1924	C	0.02	0.51
--------Bottom Chords---------					
A -I	0.58	3023	T	0.50	0.08
I -E	0.62	3023	T	0.50	0.12
E -H	0.55	2605	T	0.43	0.12
H -G	0.61	2945	T	0.49	0.12
G -F	0.49	1924	T	0.20	0.29
F -D	0.29	152	T	0.00	0.29
----------Webs----------					
I -J	0.02	189	T		
J -E	0.23	452	C		
E -B	0.06	390	T		
B -H	0.31	720	T		
H -K	0.14	438	C		
H -L	0.21	314	T		
G -L	0.18	564	C		
G -M	0.64	1235	T		
F -M	0.38	1157	C		
F -C	0.43	2328	T		1 Br
D -C	0.48	1481	C	WindLd	

TL Defl -0.47" in E -H L/969
LL Defl -0.23" in H -G L/999
Shear // Grain in M -C 0.32

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	Ctr	0.1	0.72
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
L	MT20	5.0x 7.0	Ctr	0.5	0.39
M	MT20	3.0x 7.0	Ctr	Ctr	0.42
C	MT20	4.0x 6.0	Ctr	Ctr	0.69
I	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.59
H	MT20	4.0x 8.0	Ctr	Ctr	0.29
G	MT20	5.0x 7.0	Ctr	-0.5	0.64
F	MT20	3.0x 7.0	Ctr	Ctr	0.80
D	MT20	2.0x 4.0	Ctr	Ctr	0.50

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

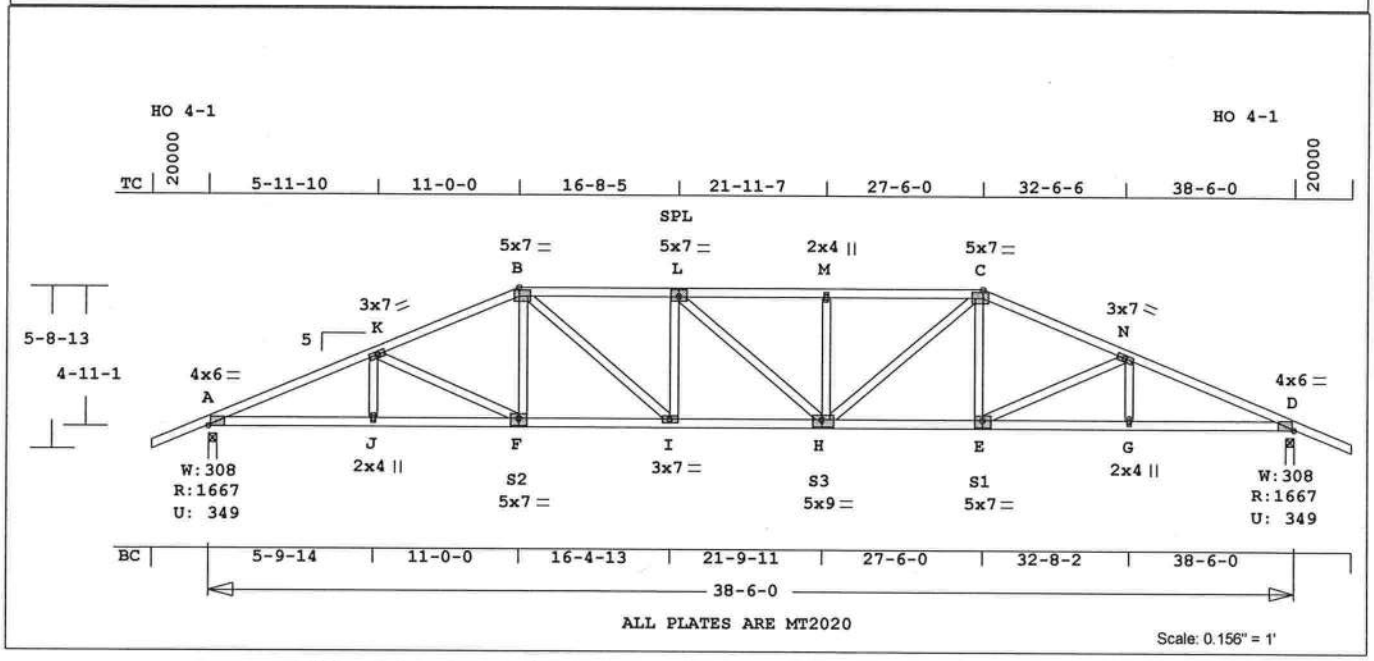
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3280 Lbs
Max tens. force 3023 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A4	1	HIPP	380600	5	2- 0- 0	2- 0- 0	T3292403

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 257.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.45	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	106 R
D	1668	349 U	106 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -K	0.45	3283 C	0.23	0.22
K -B	0.42	2817 C	0.20	0.22
B -L	0.38	3125 C	0.23	0.15
L -M	0.39	3124 C	0.23	0.16
M -C	0.38	3124 C	0.22	0.16
C -N	0.42	2817 C	0.20	0.22
N -D	0.45	3282 C	0.23	0.22
--------Bottom Chords---------				
A -J	0.58	3026 T	0.50	0.08
J -S2	0.59	3026 T	0.50	0.09
S2-I	0.52	2596 T	0.43	0.09
I -S3	0.59	3125 T	0.52	0.07
S3-S1	0.52	2596 T	0.43	0.09
S1-G	0.59	3026 T	0.50	0.09
G -D	0.58	3026 T	0.50	0.08
----------Webs----------				
J -K	0.03	198 T		
K -S2	0.23	465 C		
S2-B	0.05	366 T		
B -I	0.26	690 T		
I -L	0.11	338 C		
L -S3	0.04	64 C		
S3-M	0.11	338 C		
S3-C	0.26	689 T		
S1-C	0.05	366 T		
S1-N	0.23	465 C		
G -N	0.03	198 T		

TL Defl -0.49" in I -S3 L/919
LL Defl -0.24" in I -S3 L/999
Shear // Grain in B -L 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	0.72
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 7.0	-0.5	Ctr	0.46
L	MT20	5.0x 7.0	Ctr	0.5	0.39
M	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	0.5	Ctr	0.46
N	MT20	3.0x 7.0	Ctr	Ctr	0.19
D	MT20	4.0x 6.0	Ctr	0.1	0.72
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
S2	MT20	5.0x 7.0	Ctr	-0.5	0.59
I	MT20	3.0x 7.0	Ctr	Ctr	0.25
S3	MT20	5.0x 9.0	0.5	-0.5	0.67
S1	MT20	5.0x 7.0	Ctr	-0.5	0.59
G	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

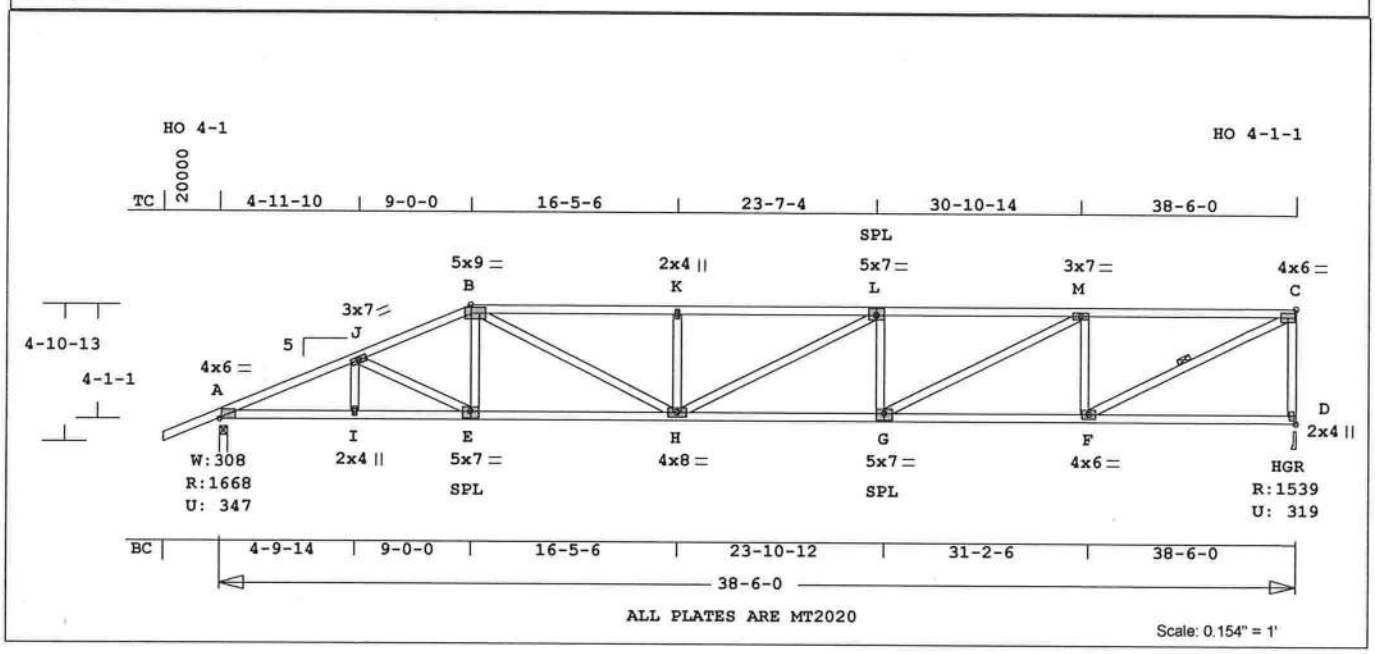
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 3283 Lbs
Max tens. force 3125 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A5	1	HHIP	380600	5	2- 0- 0	0	T3292404

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 255.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.82	2x 4	SP-#2
BC	0.76	2x 4	SP-#2
WB	0.70	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
F -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	1669	347 U	110 R
D	1540	319 U	158 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	1.8"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -J	0.34	3304 C	0.23	0.11
J -B	0.35	3017 C	0.21	0.14
B -K	0.82	3852 C	0.26	0.56
K -L	0.60	3852 C	0.10	0.50
L -M	0.67	3705 C	0.09	0.58
M -C	0.73	2486 C	0.11	0.62
--------Bottom Chords---------				
A -I	0.61	3039 T	0.51	0.10
I -E	0.63	3039 T	0.51	0.12
E -H	0.60	2790 T	0.46	0.14
H -G	0.76	3705 T	0.62	0.14
G -F	0.59	2486 T	0.41	0.18
F -D	0.33	123 T	0.00	0.33
----------Webs----------				
I -J	0.01	118 T		
J -E	0.09	277 T		
E -B	0.05	337 T		
B -H	0.53	1190 T		
H -K	0.10	464 C		
H -L	0.14	165 T		
G -L	0.11	493 C		
G -M	0.70	1373 T		
F -M	0.25	1129 C		
F -C	0.51	2803 T		1 Br
D -C	0.33	1476 C	WindLd	

TL Defl -0.64" in H -G L/713
LL Defl -0.30" in H -G L/999
Shear // Grain in M -C 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	0.73
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
L	MT20	5.0x 7.0	Ctr	0.5	0.40
M	MT20	3.0x 7.0	Ctr	Ctr	0.46
C	MT20	4.0x 6.0	Ctr	Ctr	0.82
I	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.60
H	MT20	4.0x 8.0	Ctr	Ctr	0.46
G	MT20	5.0x 7.0	Ctr	-0.5	0.80
F	MT20	4.0x 6.0	Ctr	Ctr	0.82
D	MT20	2.0x 4.0	Ctr	Ctr	0.50

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

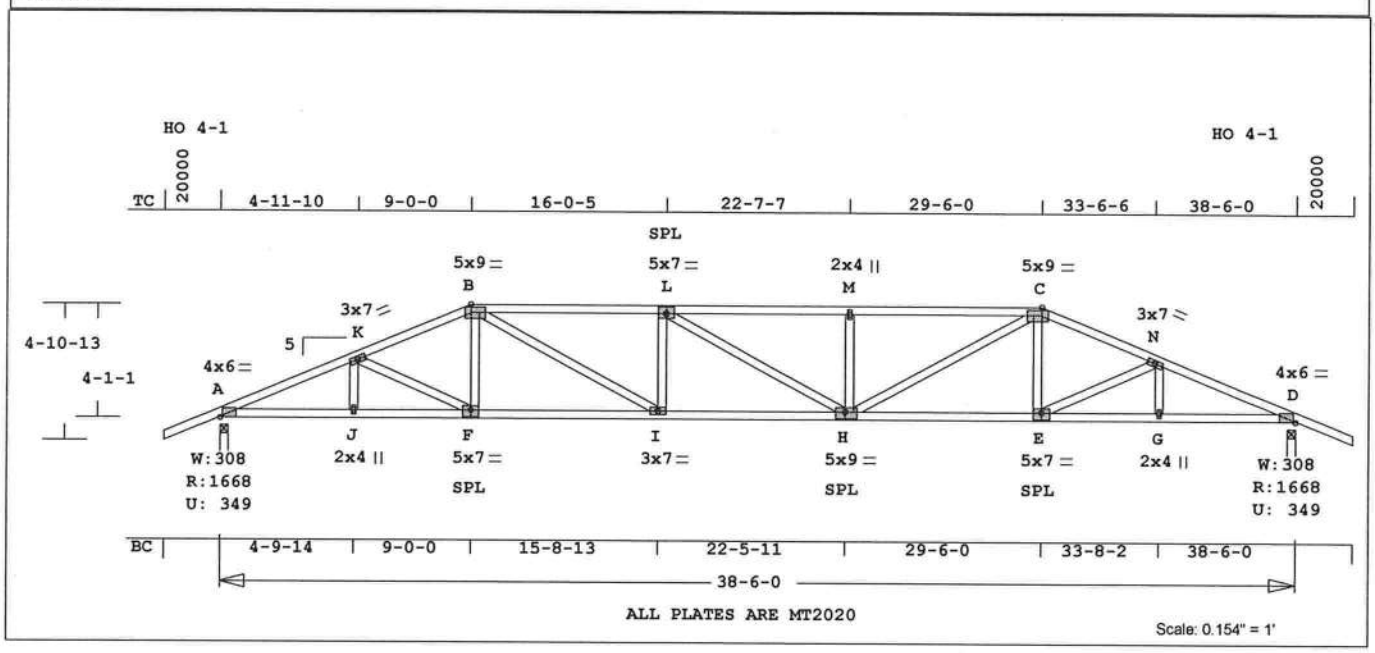
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3852 Lbs
Max tens. force 3705 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A6	1	HIPP	380600	5	2- 0- 0	2- 0- 0	T3292405

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 248.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.65	2x 4	SP-#2
BC	0.74	2x 4	SP-#2
WB	0.50	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	86 R
D	1668	349 U	87 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -K	0.36	3305 C	0.22 0.14
K -B	0.36	3012 C	0.21 0.15
B -L	0.65	3796 C	0.21 0.44
L -M	0.51	3795 C	0.26 0.25
M -C	0.65	3795 C	0.21 0.44
C -N	0.36	3012 C	0.21 0.15
N -D	0.36	3305 C	0.22 0.14
--------Bottom Chords---------			
A -J	0.61	3040 T	0.51 0.10
J -F	0.62	3040 T	0.51 0.11
F -I	0.57	2784 T	0.46 0.11
I -H	0.74	3795 T	0.63 0.11
H -E	0.57	2784 T	0.46 0.11
E -G	0.62	3040 T	0.51 0.11
G -D	0.61	3040 T	0.51 0.10
----------Webs----------			
J -K	0.01	123 T	
K -F	0.09	283 T	
F -B	0.05	327 T	
B -I	0.50	1153 T	
I -L	0.09	419 C	
L -H	0.05	57 C	
H -M	0.09	419 C	
H -C	0.50	1152 T	
E -C	0.05	327 T	
E -N	0.09	283 T	
G -N	0.01	123 T	

TL Defl -0.64" in I -H L/711
LL Defl -0.31" in I -H L/999
Shear // Grain in B -L 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	0.73
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
L	MT20	5.0x 7.0	Ctr	0.5	0.44
M	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 9.0	Ctr	-0.1	0.49
N	MT20	3.0x 7.0	Ctr	Ctr	0.19
D	MT20	4.0x 6.0	Ctr	0.1	0.73
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 7.0	Ctr	-0.5	0.60
I	MT20	3.0x 7.0	Ctr	Ctr	0.39
H	MT20	5.0x 9.0	0.5	-0.5	0.82
E	MT20	5.0x 7.0	Ctr	-0.5	0.60
G	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

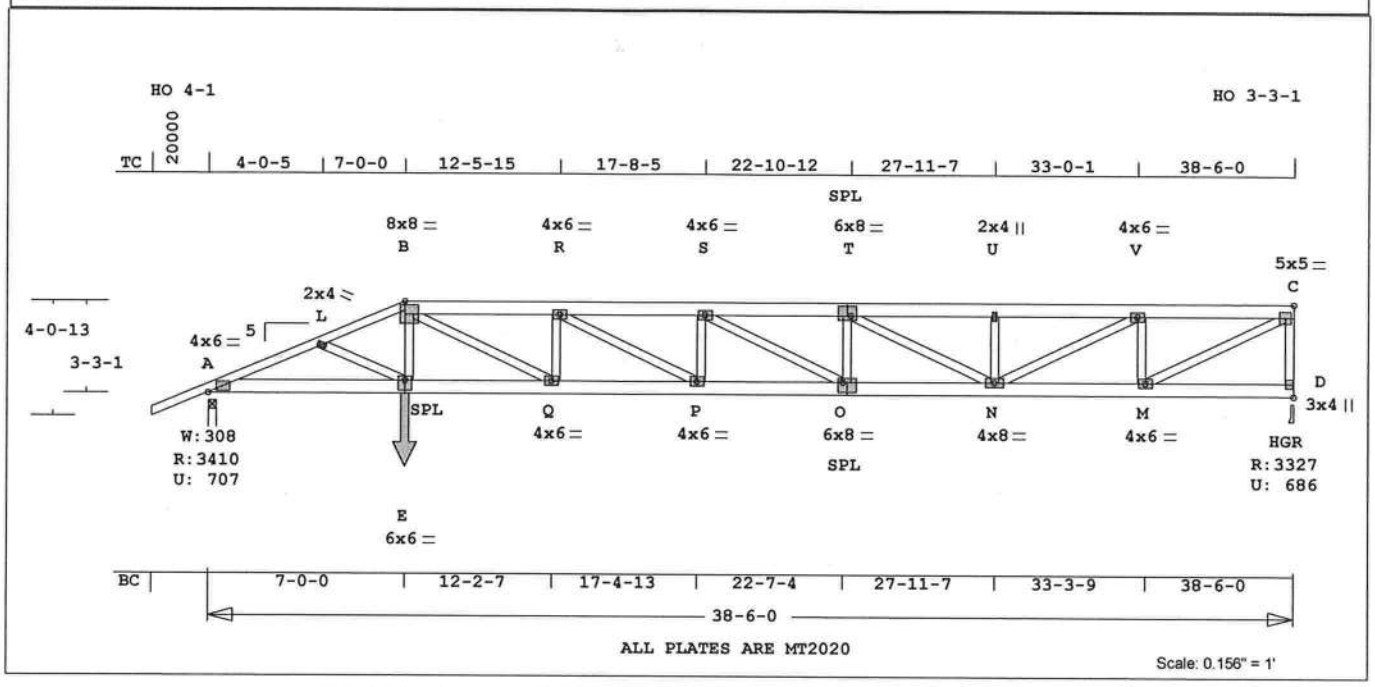
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 3796 Lbs
Max tens. force 3795 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A7GIR	1*3P	HHIP	380600	5	2- 0- 0	0	T3292406

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 315.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09
****
* 3-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.24	2x 4	SP-#2
--	0.22	2x 6	SP-#2
	B -T	T -C	
BC	0.55	2x 6	SP-#2
WB	0.39	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	3411	707 U	97 R
D	3327	687 U	114 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'	38.5'
BC V	20	0	0.0'	38.5'
TC V	25	50	7.0'	37.5'
TC V	-20	-40	37.5'	38.5'
BC V	25	0	7.0'	37.5'
BC V	-20	0	37.5'	38.5'
BC V	280	280	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 -L	0.20	7791 C	0.17	0.03
L -B	0.24	7765 C	0.17	0.07
B -R	0.22	10650 C	0.16	0.06
R -S	0.22	11948 C	0.18	0.04
S -T	0.22	11588 C	0.18	0.04
T -U	0.18	9471 C	0.14	0.04
U -V	0.19	9471 C	0.14	0.05
V -C	0.13	5672 C	0.08	0.05
--------Bottom Chords---------				
A -E	0.36	7164 T	0.29	0.07
E -Q	0.35	7189 T	0.29	0.06
Q -P	0.49	10650 T	0.43	0.06
P -O	0.55	11948 T	0.48	0.07
O -N	0.52	11588 T	0.46	0.06
N -M	0.27	5672 T	0.22	0.05
M -D	0.05	89 T	0.00	0.05
----------Webs----------				
L -E	0.00	164 T		
E -B	0.04	734 T		
B -Q	0.23	3871 T		
Q -R	0.04	1463 C		
R -P	0.09	1473 T		
P -S	0.02	483 C		
S -O	0.01	409 C		
O -T	0.03	616 T		
T -N	0.10	2403 C		
N -U	0.02	681 C		
N -V	0.26	4313 T		
M -V	0.08	2803 C		
M -C	0.39	6440 T		
D -C	0.10	3247 C	WindLd	

TL Defl -0.51" in P -O L/890
LL Defl -0.25" in P -O L/999
Shear // Grain in B -R 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	4.0x 6.0	Ctr	Ctr	0.57
L	MT20	2.0x 4.0	Ctr	Ctr	0.13
B	MT20	8.0x 8.0	Ctr	Ctr	0.45
R	MT20	4.0x 6.0	Ctr	Ctr	0.14
S	MT20	4.0x 6.0	Ctr	Ctr	0.08
T	MT20	6.0x 8.0	Ctr	1.2	0.45
U	MT20	2.0x 4.0	Ctr	Ctr	0.12
V	MT20	4.0x 6.0	Ctr	Ctr	0.42
C	MT20	5.0x 5.0	Ctr	Ctr	0.66
E	MT20	6.0x 6.0	Ctr	-1.2	0.43
Q	MT20	4.0x 6.0	Ctr	Ctr	0.38
P	MT20	4.0x 6.0	Ctr	Ctr	0.14
O	MT20	6.0x 8.0	Ctr	-1.2	0.65
N	MT20	4.0x 8.0	Ctr	Ctr	0.56
M	MT20	4.0x 6.0	Ctr	Ctr	0.63
D	MT20	3.0x 4.0	Ctr	Ctr	0.24

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Half Hip
Framing King Jacks
Jack Open Faced

Setback 7- 0- 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 2	12	24	0
WB 1	8	8	

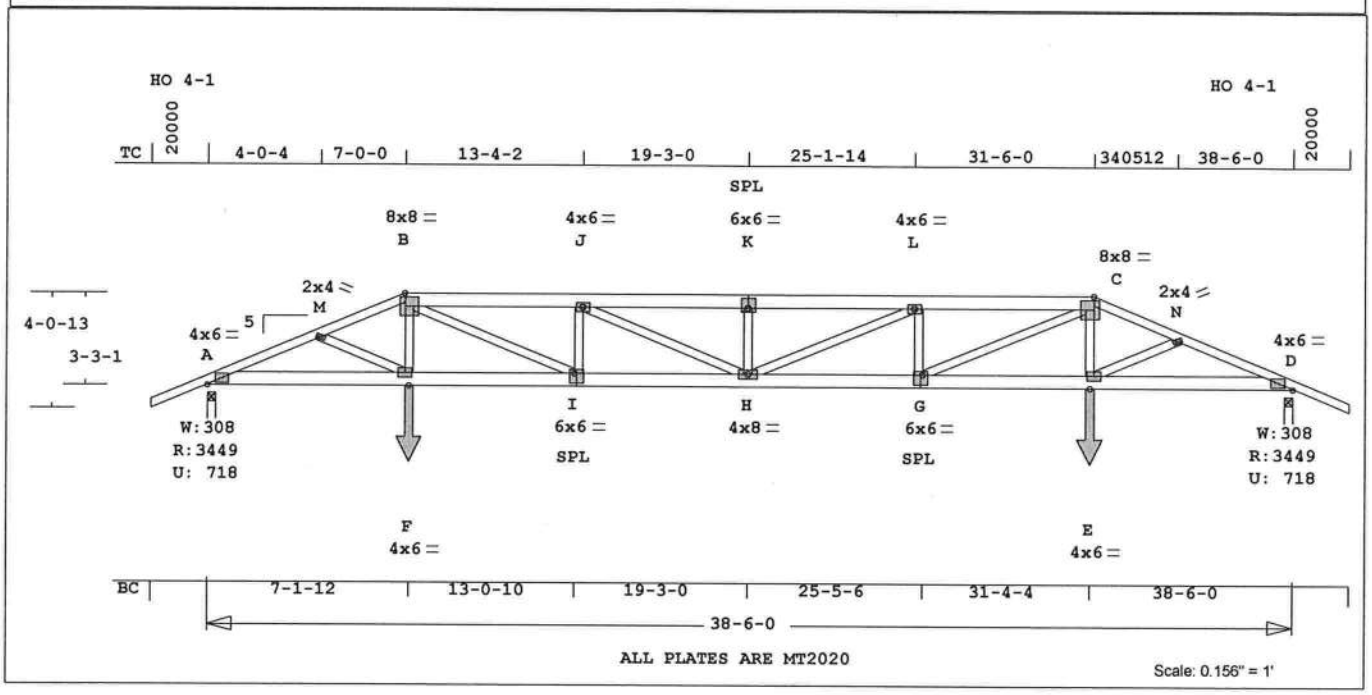
No bolts in 2x4s or smaller.
Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 11948 Lbs
Max tens. force 11948 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A8GIR	1*3P	HIPP	380600	5	2- 0- 0	2- 0- 0	T3292407

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 297.6 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09
****
* 3-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.27	2x 6	SP-#2
--	0.25	2x 4	SP-#2
	A -B	C -D	
BC	0.52	2x 6	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	3449	719 U	65 R
D	3449	719 U	65 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'	38.5'
BC V	20	0	0.0'	38.5'
TC V	25	50	7.0'	31.5'
BC V	25	0	7.1'	31.4'
BC V	280	280	7.1'	CL-LB
BC V	280	280	31.4'	CL-LB

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -M	0.22	7904 C	0.18 0.04
M -B	0.25	7879 C	0.18 0.07
B -J	0.25	11219 C	0.18 0.07
J -K	0.27	12330 C	0.20 0.07
K -L	0.27	12330 C	0.20 0.07
L -C	0.25	11219 C	0.18 0.07
C -N	0.25	7880 C	0.18 0.07
N -D	0.22	7904 C	0.18 0.04
--------Bottom Chords---------			
A -F	0.35	7264 T	0.29 0.06
F -I	0.36	7288 T	0.29 0.07
I -H	0.52	11217 T	0.45 0.07
H -G	0.52	11218 T	0.45 0.07
G -E	0.36	7288 T	0.29 0.07
E -D	0.35	7264 T	0.29 0.06
----------Webs----------			
M -F	0.00	152 T	
F -B	0.04	777 T	
B -I	0.26	4276 T	
I -J	0.04	1390 C	
J -H	0.07	1224 T	
H -K	0.03	780 C	
H -L	0.07	1223 T	
G -L	0.04	1390 C	
G -C	0.26	4276 T	
E -C	0.04	777 T	
E -N	0.00	152 T	

TL Defl -0.55" in H -G L/831
LL Defl -0.27" in I -H L/999
Shear // Grain in B -J 0.12

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	Ctr	0.58
M	MT20	2.0x 4.0	Ctr	Ctr	0.13
B	MT20	8.0x 8.0	Ctr	Ctr	0.47
J	MT20	4.0x 6.0	Ctr	Ctr	0.12
K	MT20	6.0x 6.0	Ctr	1.2	0.43
L	MT20	4.0x 6.0	Ctr	Ctr	0.12
C	MT20	8.0x 8.0	Ctr	Ctr	0.47
N	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	4.0x 6.0	Ctr	Ctr	0.58
F	MT20	4.0x 6.0	Ctr	Ctr	0.09
I	MT20	6.0x 6.0	Ctr	-1.2	0.66
H	MT20	4.0x 8.0	Ctr	Ctr	0.16
G	MT20	6.0x 6.0	Ctr	-1.2	0.66
E	MT20	4.0x 6.0	Ctr	Ctr	0.09

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 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 2	12	24	0
WB 1	8	8	

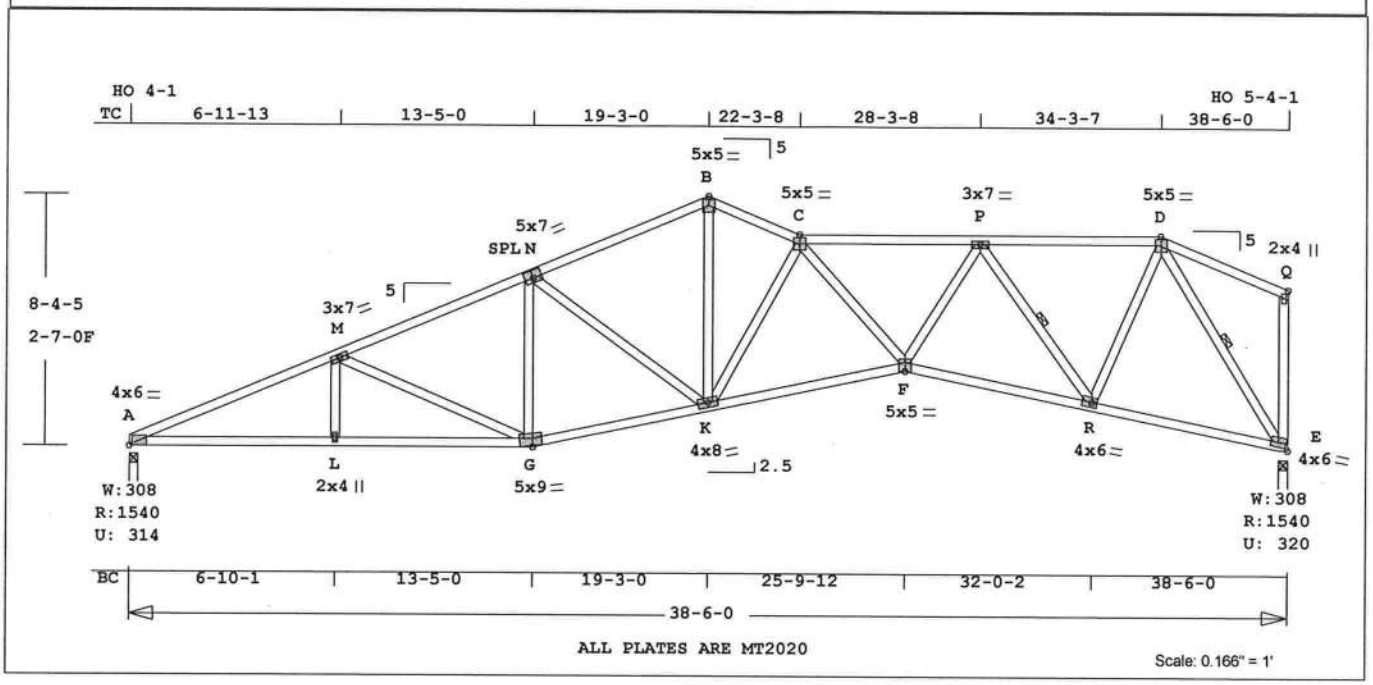
No bolts in 2x4s or smaller.
Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 12330 Lbs
Max tens. force 11218 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A9	1	SP	380600	5	0	0	T3292408

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 281.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
WB	0.89	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
P -R D -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	1540	314 U	155 R
E	1540	321 U	282 R

Jt	Brg Size	Required
A	3.5"	1.8"
E	3.5"	1.8"

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	0.56	3249 C	0.24 0.32
M -N	0.54	2600 C	0.20 0.34
N -B	0.52	2346 C	0.18 0.34
B -C	0.36	2315 C	0.19 0.17
C -P	0.40	3054 C	0.23 0.17
P -D	0.44	1470 C	0.01 0.43
D -Q	0.33	203 T	0.00 0.33
--------Bottom Chords---------			
A -L	0.62	3002 T	0.50 0.12
L -G	0.60	3002 T	0.50 0.10
G -K	0.51	2455 T	0.41 0.10
K -F	0.62	2954 T	0.49 0.13
F -R	0.58	2459 T	0.41 0.17
R -E	0.37	964 T	0.10 0.27
----------Webs----------			
L -M	0.04	261 T	
M -G	0.48	653 C	
G -N	0.05	143 T	
N -K	0.24	317 T	
K -B	0.60	1482 T	
K -C	0.89	1482 C	
C -F	0.04	243 T	
F -P	0.22	1226 T	
P -R	0.32	1671 C	1 Br
R -D	0.31	1340 T	
D -E	0.46	1794 C	1 Br
E -Q	0.13	258 T	WindLd

TL Defl -0.44" in K -F L/999
LL Defl -0.21" in G -K L/999

Hz Disp	LL	DL	TL
Jt E	0.11"	0.11"	0.22"

Shear // Grain in P -D 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	4.0x 6.0	Ctr	0.1	0.72
M	MT20	3.0x 7.0	Ctr	Ctr	0.19
N	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.42
C	MT20	5.0x 5.0	Ctr	Ctr	0.52
P	MT20	3.0x 7.0	Ctr	Ctr	0.61
D	MT20	5.0x 5.0	Ctr	-0.1	0.53
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	5.0x 9.0	-0.8	2.9	0.59
K	MT20	4.0x 8.0	Ctr	Ctr	0.52
F	MT20	5.0x 5.0	Ctr	-1.1	0.65
R	MT20	4.0x 6.0	-0.8	0.2	0.62
E	MT20	4.0x 6.0	Ctr	Ctr	0.48

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

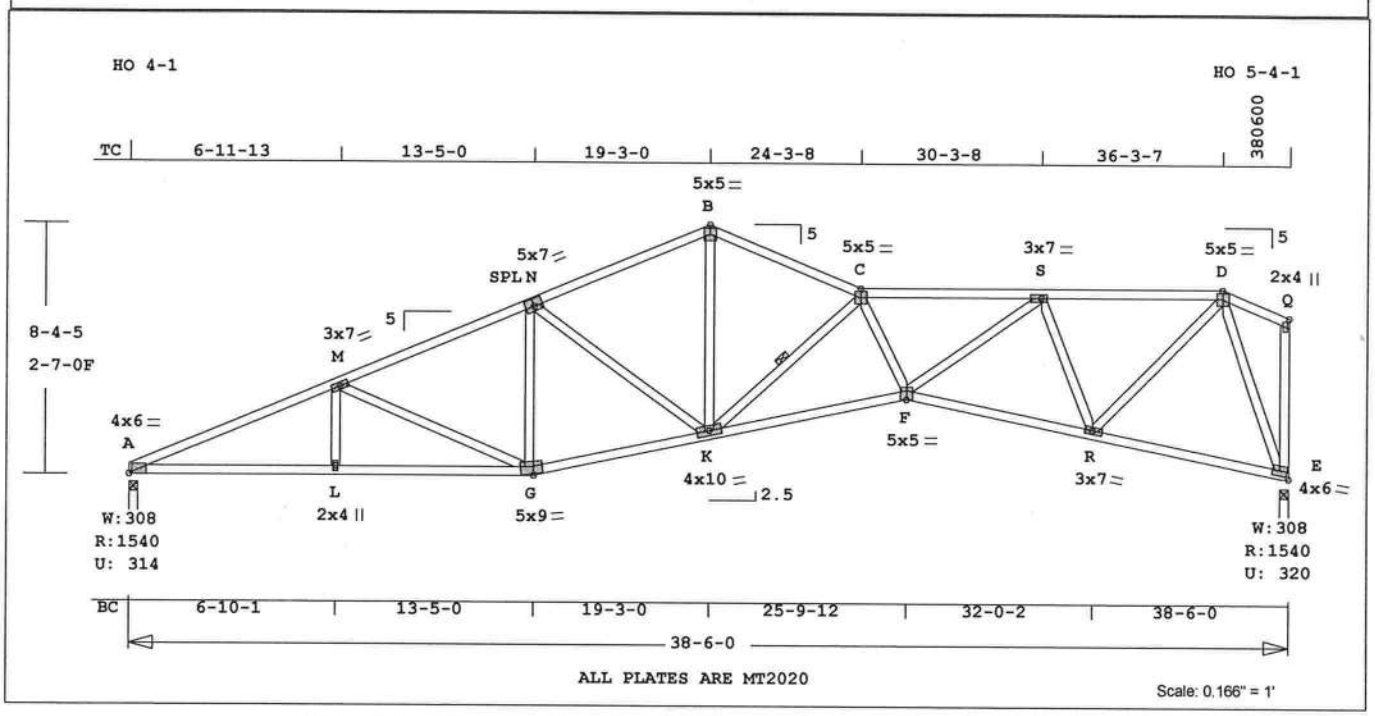
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3249 Lbs
Max tens. force 3002 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*A10*	1	SP	380600	5	0	0	*T3292409*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 275.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
BC	0.72	2x 4	SP-#1
--	0.62	2x 4	SP-#2
	A -G		
WB	0.91	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
K -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	1540	314 U	155 R
E	1540	321 U	282 R

Jt	Brg Size	Required
A	3.5"	1.8"
E	3.5"	1.8"

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	0.56	3250 C	0.24	0.32
M -N	0.53	2599 C	0.20	0.33
N -B	0.51	2347 C	0.18	0.33
B -C	0.48	2321 C	0.19	0.29
C -S	0.54	3868 C	0.10	0.44
S -D	0.41	1752 C	0.01	0.40
D -Q	0.34	175 T	0.00	0.34
--------Bottom Chords---------				
A -L	0.62	3002 T	0.50	0.12
L -G	0.59	3002 T	0.50	0.09
G -K	0.40	2453 T	0.32	0.08
K -F	0.72	3836 T	0.50	0.22
F -R	0.52	2300 T	0.30	0.22
R -E	0.29	531 T	0.04	0.25
----------Webs----------				
L -M	0.04	261 T		
M -G	0.49	655 C		
G -N	0.05	142 T		
N -K	0.24	309 T		
K -B	0.53	1420 T		
K -C	0.43	2136 C		1 Br
C -F	0.04	300 T		
F -S	0.49	1965 T		
S -R	0.58	1532 C		
R -D	0.52	1771 T		
D -E	0.91	1525 C		
E -Q	0.13	197 T	WindLd	

TL Defl -0.55" in F -R L/828
LL Defl -0.27" in F -R L/999

Hz Disp	LL	DL	TL
Jt E	0.13"	0.13"	0.27"

Shear // Grain in C -S 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	4.0x 6.0	Ctr	0.1	0.72
M	MT20	3.0x 7.0	Ctr	Ctr	0.19
N	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.40
C	MT20	5.0x 5.0	Ctr	Ctr	0.73
S	MT20	3.0x 7.0	-1.0	Ctr	0.58
D	MT20	5.0x 5.0	Ctr	-0.1	0.51
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	5.0x 9.0	-0.8	2.9	0.59
K	MT20	4.0x10.0	Ctr	Ctr	0.57
F	MT20	5.0x 5.0	Ctr	-1.1	0.84
R	MT20	3.0x 7.0	0.4	-0.1	0.83
E	MT20	4.0x 6.0	Ctr	Ctr	0.41

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

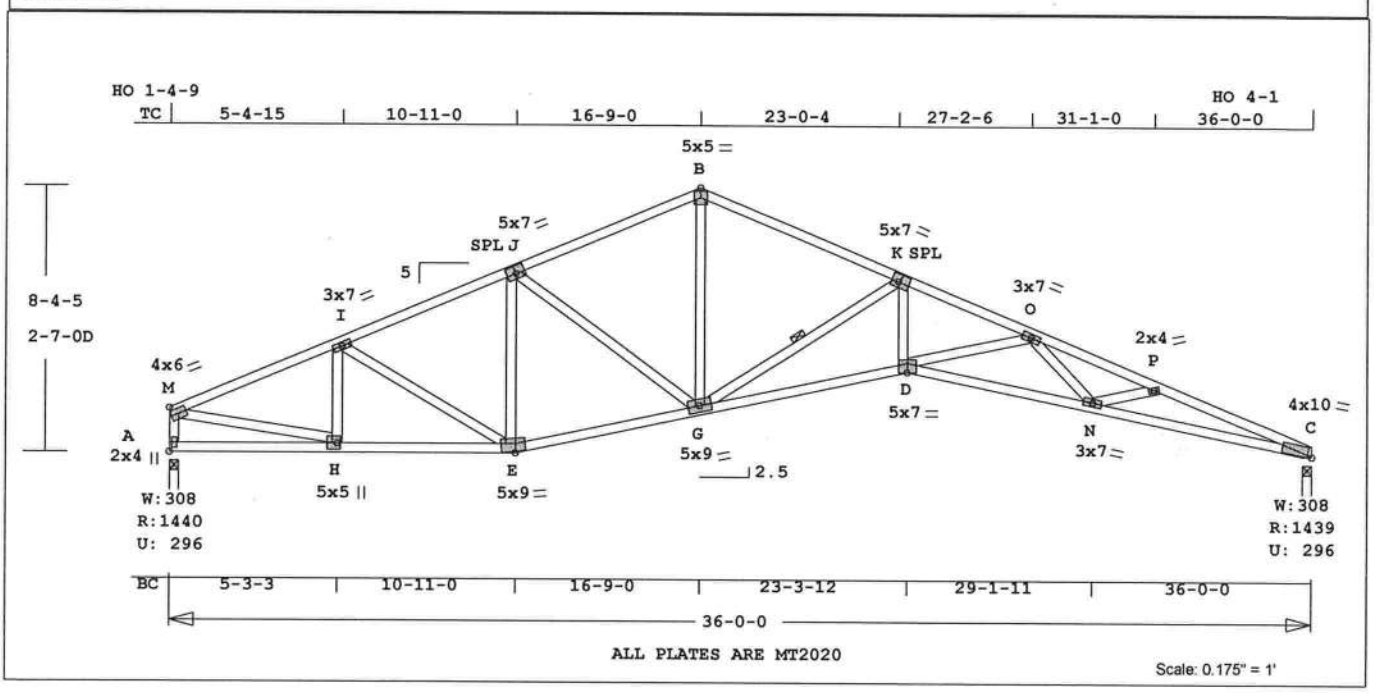
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3868 Lbs
Max tens. force 3836 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A11	3	SP	360000	5	0	0	T3292410

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 242.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.55	2x 4	SP-#1
--	0.48	2x 4	SP-#2
	M -J	J -B	B -K
BC	0.82	2x 4	SP-#1
--	0.42	2x 4	SP-#2
	A -E		
WB	0.65	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0

One Continuous Lateral Brace
G -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	1440	297 U	203 R
C	1440	297 U	178 R

Jt	Brg Size	Required
A	3.5"	1.7"
C	3.5"	1.7"

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----------			
M -I	0.44	2130 C	0.16 0.28
I -J	0.45	2105 C	0.17 0.28
J -B	0.45	2048 C	0.17 0.28
B -K	0.48	2046 C	0.17 0.31
K -O	0.48	4624 C	0.26 0.22
O -P	0.55	5359 C	0.22 0.33
P -C	0.46	5557 C	0.31 0.15
--------Bottom Chords--------			
A -H	0.17	185 T	0.00 0.17
H -E	0.42	1976 T	0.33 0.09
E -G	0.37	1991 T	0.26 0.11
G -D	0.67	4266 T	0.56 0.11
D -N	0.81	4947 T	0.65 0.16
N -C	0.82	5197 T	0.68 0.14
----------Webs----------			
A -M	0.13	1395 C	WindLd
M -H	0.44	2025 T	
H -I	0.05	315 C	
I -E	0.05	120 T	
E -J	0.13	278 C	
J -G	0.09	196 T	
G -B	0.44	1195 T	
G -K	0.65	2728 C	1 Br
D -K	0.39	2157 T	
D -O	0.16	581 C	
O -N	0.04	304 T	
N -P	0.04	299 T	

TL Defl -0.86" in D -N L/492
LL Defl -0.43" in D -N L/996

Hz Disp	LL	DL	TL
Jt C	0.21"	0.21"	0.41"

Shear // Grain in B -K 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
M	MT20	4.0x 6.0	Ctr	Ctr	0.64
I	MT20	3.0x 7.0	Ctr	Ctr	0.19
J	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
K	MT20	5.0x 7.0	0.2	0.5	0.64
O	MT20	3.0x 7.0	Ctr	Ctr	0.17
P	MT20	2.0x 4.0	Ctr	Ctr	0.21
C	MT20	4.0x10.0	Ctr	0.1	0.86
A	MT20	2.0x 4.0	Ctr	Ctr	0.60
H	MT20	5.0x 5.0	-1.2	0.1	0.86
E	MT20	5.0x 9.0	-0.8	2.9	0.48
G	MT20	5.0x 9.0	Ctr	Ctr	0.77
D	MT20	5.0x 7.0	Ctr	-1.1	0.90
N	MT20	3.0x 7.0	Ctr	Ctr	0.17

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

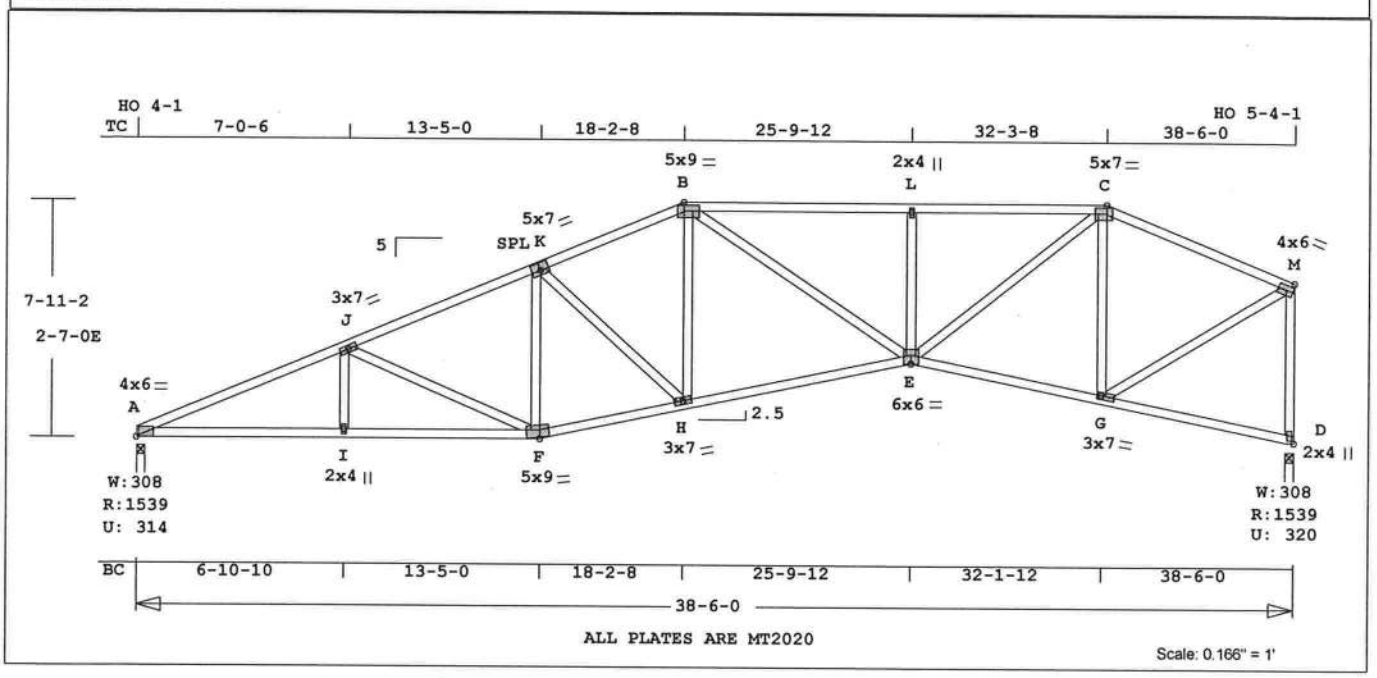
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 5557 Lbs
Max tens. force 5197 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A12	1	SP	380600	5	0	0	T3292411

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 276.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.57	2x 4	SP-#2
--	0.57	2x 4	SP-#1
	A -K	B -C	
BC	0.48	2x 4	SP-#1
WB	0.81	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1540	314 U	146 R
D	1540	320 U	274 R

Jt	Brg Size	Required
A	3.5"	1.8"
D	3.5"	1.8"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -J	0.44	3250 C	0.17 0.27
J -K	0.41	2591 C	0.14 0.27
K -B	0.45	2412 C	0.19 0.26
B -L	0.57	2635 C	0.10 0.47
L -C	0.40	2635 C	0.03 0.37
C -M	0.57	1372 C	0.11 0.46
--------Bottom Chords---------			
A -I	0.48	3003 T	0.39 0.09
I -F	0.47	3003 T	0.39 0.08
F -H	0.39	2442 T	0.32 0.07
H -E	0.46	2273 T	0.30 0.16
E -G	0.33	1307 T	0.10 0.23
G -D	0.23	200 T	0.00 0.23
----------Webs----------			
I -J	0.04	265 T	
J -F	0.49	670 C	
F -K	0.05	122 T	
K -H	0.15	272 T	
H -B	0.09	378 T	
B -E	0.22	488 T	
E -L	0.16	432 C	
E -C	0.81	1695 T	
G -C	0.55	887 C	
G -M	0.53	1491 T	
D -M	0.61	1491 C	WindLd

TL Defl -0.40" in H -E L/999
LL Defl -0.18" in F -H L/999

Hz Disp	LL	DL	TL
Jt D	0.08"	0.08"	0.17"

Shear // Grain in B -L 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	0.72
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
K	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	0.5	Ctr	1.00
M	MT20	4.0x 6.0	Ctr	Ctr	0.44
I	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 9.0	-0.8	2.9	0.59
H	MT20	3.0x 7.0	Ctr	Ctr	0.21
E	MT20	6.0x 6.0	Ctr	-0.6	0.89
G	MT20	3.0x 7.0	Ctr	Ctr	0.54
D	MT20	2.0x 4.0	Ctr	Ctr	0.56

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

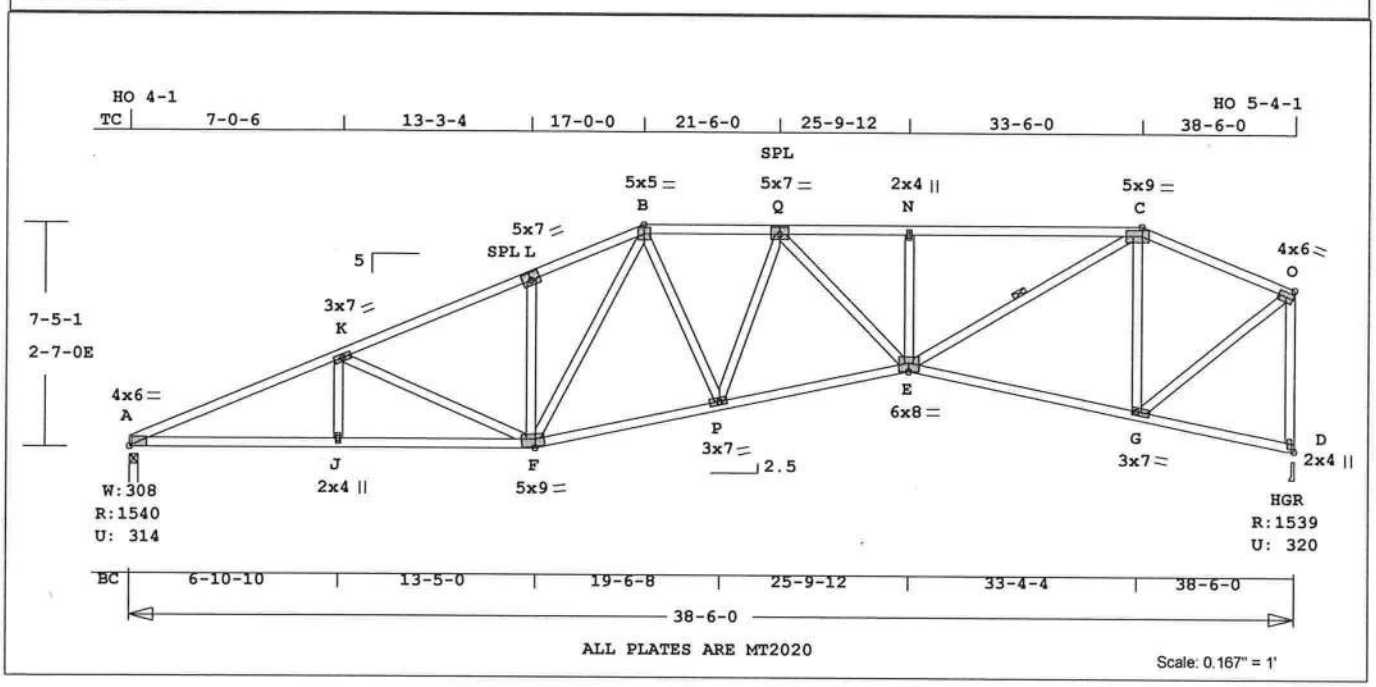
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3250 Lbs
Max tens. force 3003 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A13	1	SP	380600	5	0	0	T3292412

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 282.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.60	2x 4	SP-#2
--	0.45	2x 4	SP-#1
	A -L		
BC	0.58	2x 4	SP-#1
WB	0.62	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1540	314 U	134 R
D	1540	320 U	262 R

Jt	Brg Size	Required
A	3.5"	1.8"
D	3.5"	1.8"

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	0.45	3243 C	0.17 0.28
K -L	0.42	2593 C	0.14 0.28
L -B	0.44	2605 C	0.21 0.23
B -Q	0.26	2489 C	0.18 0.08
Q -N	0.42	2917 C	0.21 0.21
N -C	0.60	2917 C	0.14 0.46
C -O	0.40	1199 C	0.09 0.31
--------Bottom Chords---------			
A -J	0.49	2997 T	0.39 0.10
J -F	0.53	2997 T	0.39 0.14
F -P	0.39	2300 T	0.30 0.09
P -E	0.58	2712 T	0.35 0.23
E -G	0.36	1145 T	0.09 0.27
G -D	0.27	190 T	0.00 0.27
----------Webs----------			
J -K	0.03	254 T	
K -F	0.48	658 C	
F -L	0.15	380 T	
F -B	0.30	314 C	
B -P	0.11	576 T	
P -Q	0.30	524 C	
Q -E	0.06	376 T	
E -N	0.11	368 C	
E -C	0.38	2059 T	1 Br
G -C	0.55	961 C	
G -O	0.39	1431 T	
D -O	0.62	1513 C	WindLd

TL Defl	-0.42" in F -P	L/999	
LL Defl	-0.20" in F -P	L/999	
Hz Disp	LL	DL	TL
Jt D	0.09"	0.09"	0.18"

Shear // Grain in N -C 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	0.72
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
L	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.47
Q	MT20	5.0x 7.0	Ctr	0.5	0.48
N	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 9.0	Ctr	-0.1	0.52
O	MT20	4.0x 6.0	Ctr	Ctr	0.47
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 9.0	-0.8	2.9	0.59
P	MT20	3.0x 7.0	-0.5	-0.1	0.37
E	MT20	6.0x 8.0	Ctr	-0.6	0.62
G	MT20	3.0x 7.0	Ctr	Ctr	0.60
D	MT20	2.0x 4.0	Ctr	Ctr	0.55

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

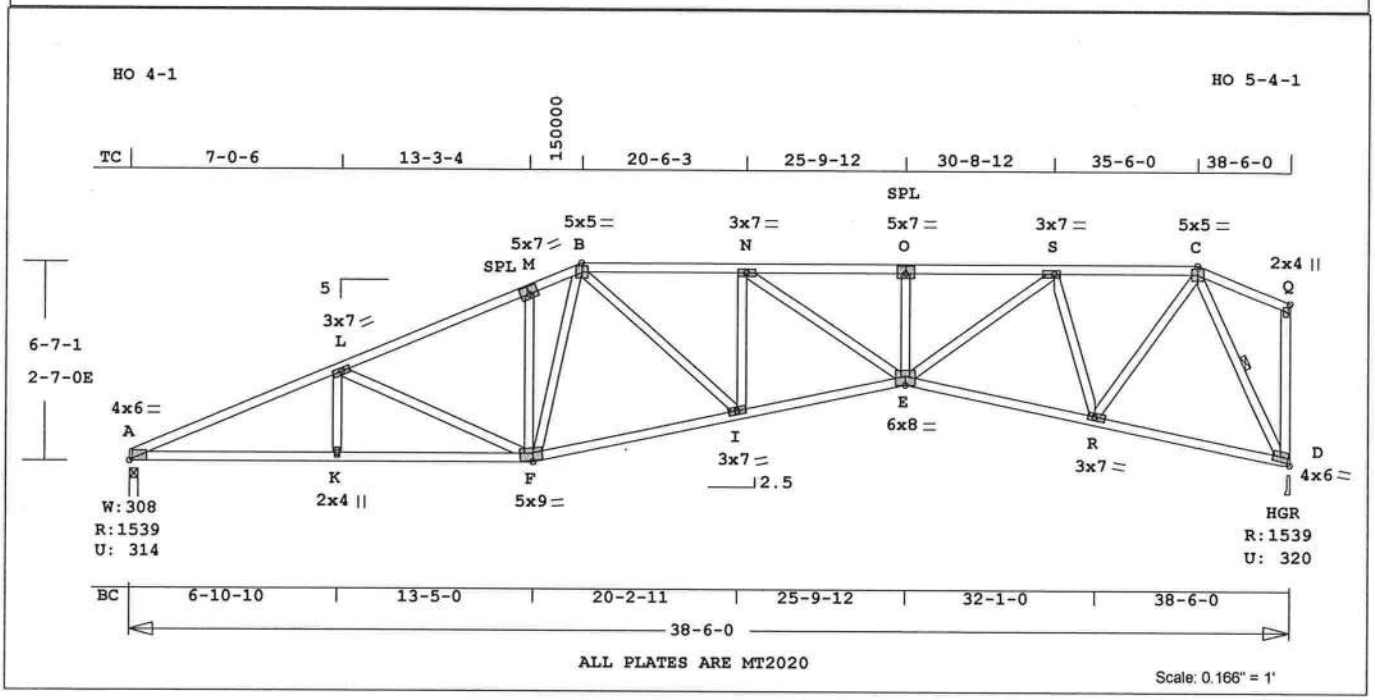
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3243 Lbs
Max tens. force 2997 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A14	1	SP	380600	5	0	0	T3292413

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 282.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
--	0.45	2x 4	SP-#1
	A -M		
BC	0.55	2x 4	SP-#1
WB	0.59	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
C -D
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	1540	314 U	114 R
D	1540	321 U	241 R

Jt	Brg Size	Required
A	3.5"	1.8"
D	3.5"	1.8"

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	0.45	3243 C	0.17 0.28
L -M	0.41	2594 C	0.13 0.28
M -B	0.46	2642 C	0.22 0.24
B -N	0.38	3040 C	0.22 0.16
N -O	0.41	3547 C	0.25 0.16
O -S	0.38	3547 C	0.25 0.13
S -C	0.38	1620 C	0.01 0.37
C -Q	0.31	186 T	0.00 0.31
--------Bottom Chords---------			
A -K	0.49	2996 T	0.39 0.10
K -F	0.53	2996 T	0.39 0.14
F -I	0.43	2361 T	0.31 0.12
I -E	0.55	3106 T	0.41 0.14
E -R	0.41	2008 T	0.26 0.15
R -D	0.30	713 T	0.06 0.24
----------Webs----------			
K -L	0.03	251 T	
L -F	0.48	656 C	
F -M	0.17	421 T	
F -B	0.19	313 C	
B -I	0.30	958 T	
I -N	0.23	654 C	
N -E	0.14	606 T	
E -O	0.06	317 C	
E -S	0.54	1938 T	
S -R	0.59	1423 C	
R -C	0.39	1581 T	
C -D	0.33	1636 C	1 Br
D -Q	0.13	220 T	WindLd

TL Defl -0.50" in F -I L/911
LL Defl -0.23" in F -I L/999

Hz Disp	LL	DL	TL
Jt D	0.11"	0.11"	0.22"

Shear // Grain in A -L 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	4.0x 6.0	Ctr	0.1	0.72
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
M	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.52
N	MT20	3.0x 7.0	Ctr	Ctr	0.21
O	MT20	5.0x 7.0	Ctr	0.5	0.41
S	MT20	3.0x 7.0	-1.2	Ctr	0.58
C	MT20	5.0x 5.0	Ctr	Ctr	0.48
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 9.0	-0.8	2.9	0.59
I	MT20	3.0x 7.0	Ctr	Ctr	0.41
E	MT20	6.0x 8.0	Ctr	-0.6	0.75
R	MT20	3.0x 7.0	0.7	-0.1	0.86
D	MT20	4.0x 6.0	Ctr	Ctr	0.43

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

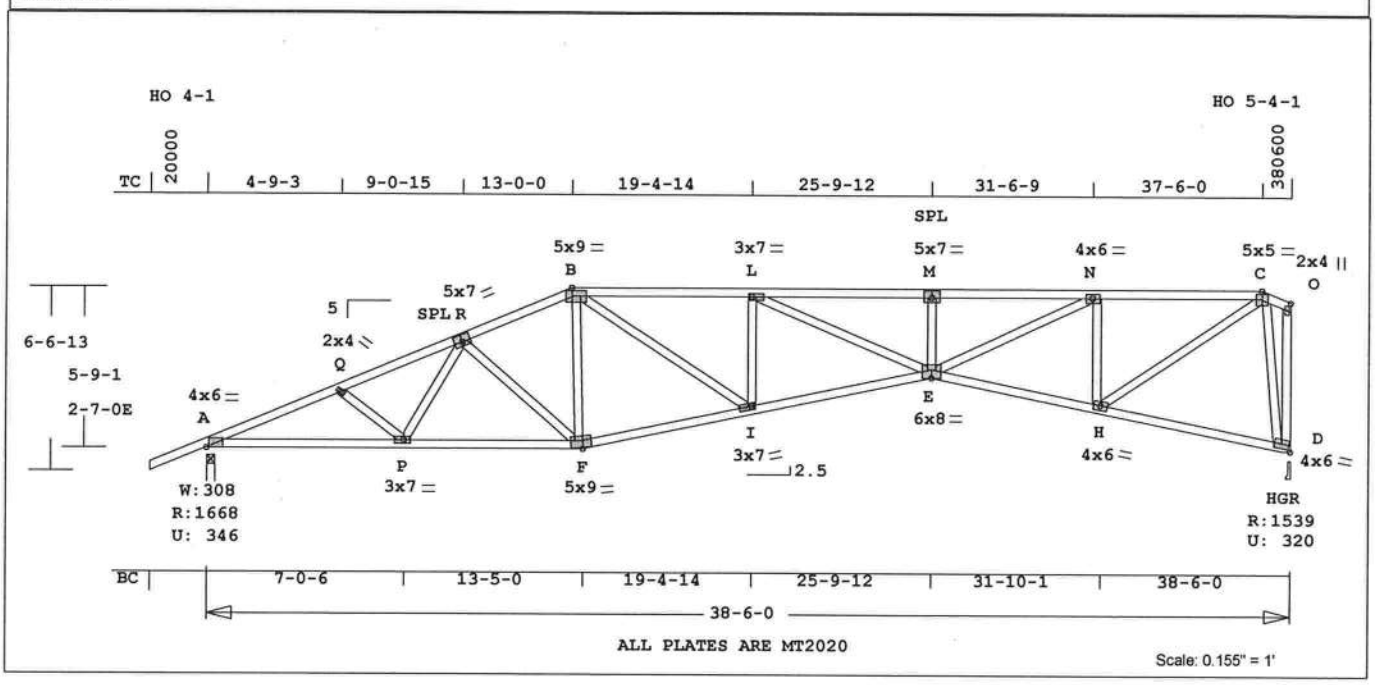
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3547 Lbs
Max tens. force 3106 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A15	1	SP	380600	5	2- 0- 0	0	T3292414

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 275.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.52	2x 4	SP-#2
--	0.52	2x 4	SP-#1
	B -M		
BC	0.62	2x 4	SP-#1
WB	0.85	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1669	346 U	116 R
D	1540	320 U	221 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	1.8"

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 -Q	0.36	3329 C	0.23	0.13
Q -R	0.38	3118 C	0.22	0.16
R -B	0.35	2591 C	0.19	0.16
B -L	0.37	3520 C	0.18	0.19
L -M	0.52	4613 C	0.23	0.29
M -N	0.52	4613 C	0.24	0.28
N -C	0.36	2112 C	0.02	0.34
C -O	0.35	177 T	0.00	0.35
--------Bottom Chords---------				
A -P	0.50	3065 T	0.40	0.10
P -F	0.45	2743 T	0.36	0.09
F -I	0.42	2444 T	0.32	0.10
I -E	0.62	3598 T	0.47	0.15
E -H	0.45	2150 T	0.28	0.17
H -D	0.26	192 T	0.01	0.25
----------Webs----------				
Q -P	0.04	296 T		
P -R	0.05	351 T		
R -F	0.22	469 C		
B -F	0.02	86 T		
B -I	0.48	1347 T		
I -L	0.24	871 C		
L -E	0.34	1188 T		
E -M	0.05	353 C		
E -N	0.85	2757 T		
H -N	0.39	1505 C		
H -C	0.83	2314 T		
C -D	0.55	1220 C		
D -O	0.13	318 C	WindLd	

TL Defl	-0.65" in I -E	L/703	
LL Defl	-0.32" in E -H	L/999	
Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.28"

Shear // Grain in C -O 0.37

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	0.73
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
R	MT20	5.0x 7.0	-0.2	0.5	0.41
B	MT20	5.0x 9.0	Ctr	-0.1	0.49
L	MT20	3.0x 7.0	Ctr	Ctr	0.39
M	MT20	5.0x 7.0	Ctr	0.5	0.51
N	MT20	4.0x 6.0	Ctr	Ctr	0.80
C	MT20	5.0x 5.0	Ctr	Ctr	0.67
O	MT20	2.0x 4.0	Ctr	Ctr	0.23
P	MT20	3.0x 7.0	-0.6	Ctr	0.24
F	MT20	5.0x 9.0	-0.8	2.9	0.59
I	MT20	3.0x 7.0	Ctr	Ctr	0.50
E	MT20	6.0x 8.0	Ctr	-0.6	0.97
H	MT20	4.0x 6.0	Ctr	Ctr	0.68
D	MT20	4.0x 6.0	Ctr	Ctr	0.25

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

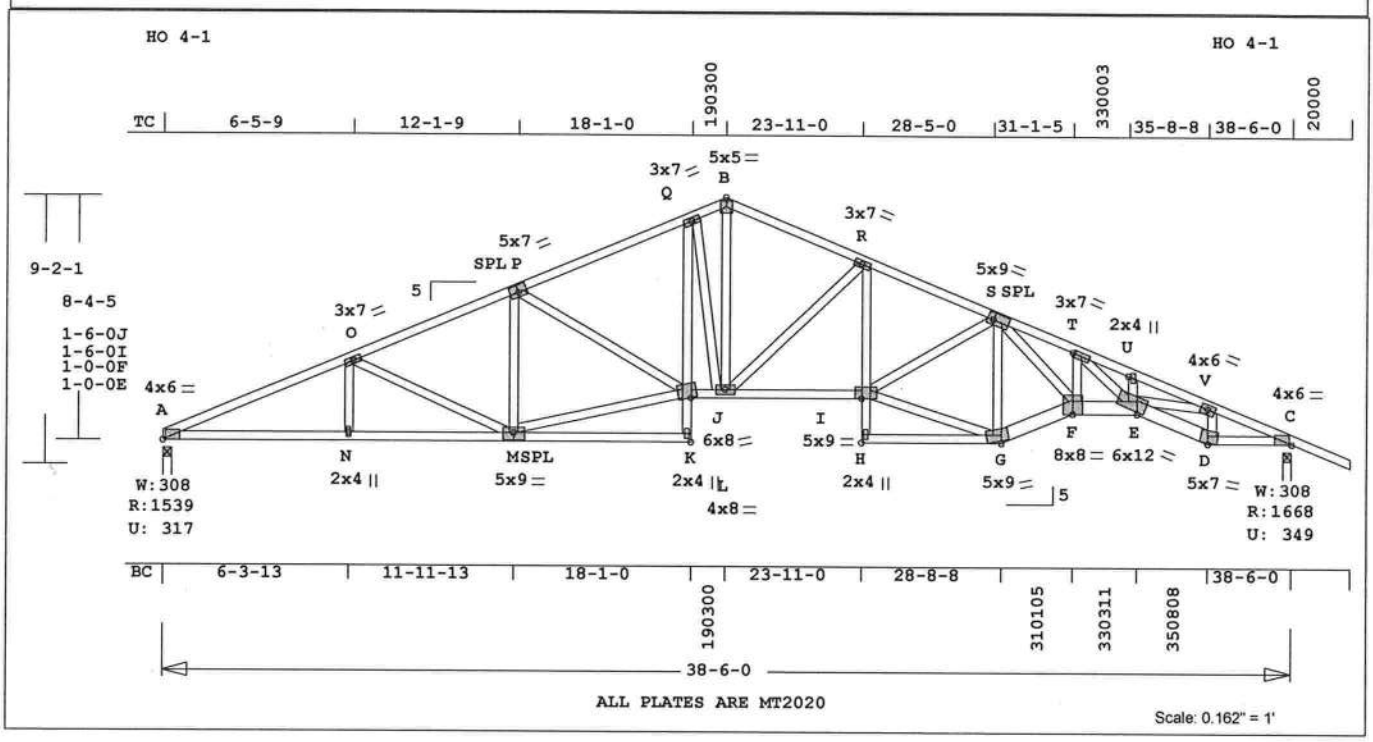
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 4613 Lbs
Max tens. force 3598 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A16	3	SP	380600	5	0	2- 0- 0	T3292415

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 319.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.71	2x 4	SP-#2
BC	0.80	2x 4	SP-#2
--	0.74	2x 6	SP-#2
	G -F	F -E	E -D
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	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1539	317 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	1.8"
C	3.5"	2.0"

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 -O	0.48	3268 C	0.24	0.24
O -P	0.48	2739 C	0.21	0.27
P -Q	0.47	2615 C	0.20	0.27
Q -B	0.41	2440 C	0.21	0.20
B -R	0.40	2441 C	0.20	0.20
R -S	0.45	3247 C	0.25	0.20
S -T	0.47	4858 C	0.36	0.11
T -U	0.66	6690 C	0.32	0.34
U -V	0.71	6743 C	0.34	0.37
V -C	0.38	3563 C	0.27	0.11
--------Bottom Chords---------				
A -N	0.60	3015 T	0.50	0.10
N -M	0.63	3015 T	0.50	0.13
M -K	0.22	91 T	0.00	0.22
J -L	0.64	2409 T	0.40	0.24
L -I	0.65	3009 T	0.50	0.15
H -G	0.26	74 T	0.01	0.25
G -F	0.66	2917 T	0.35	0.31
F -E	0.74	4552 T	0.55	0.19
E -D	0.74	3479 T	0.42	0.32
D -C	0.80	3263 T	0.54	0.26
----------Chord-Webs----------				
K -J	0.28	95 T	0.00	0.28
J -Q	0.11	586 T	0.10	0.01
H -I	0.24	105 T	0.01	0.23
I -R	0.23	746 T	0.13	0.10
----------Webs----------				
N -O	0.03	212 T		
O -M	0.31	534 C		
M -P	0.09	250 C		
M -J	0.71	2517 T		
P -J	0.10	196 T		
Q -L	0.43	738 C		
L -B	0.71	1690 T		
L -R	0.68	1041 C		
I -G	0.51	2779 T		
I -S	0.05	308 T		
G -S	0.46	1665 C		
S -F	0.46	2534 T		
F -T	0.09	905 C		
T -E	0.40	2202 T		
E -U	0.00	68 T		
E -V	0.54	2943 T		
D -V	0.10	1147 C		

TL Defl -0.81" in H -G L/564
LL Defl -0.39" in H -G L/999

Hz Disp	LL	DL	TL
Jt C	0.18"	0.18"	0.37"

Shear // Grain in A -O 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	0.72
O	MT20	3.0x 7.0	Ctr	Ctr	0.19
P	MT20	5.0x 7.0	-0.2	0.5	0.38
Q	MT20	3.0x 7.0	Ctr	Ctr	0.24
B	MT20	5.0x 5.0	Ctr	Ctr	0.48
R	MT20	3.0x 7.0	Ctr	Ctr	0.32
S	MT20	5.0x 9.0	2.1	-0.3	0.98
T	MT20	3.0x 7.0	Ctr	Ctr	0.80
U	MT20	2.0x 4.0	Ctr	Ctr	0.23
V	MT20	4.0x 6.0	Ctr	Ctr	0.94
C	MT20	4.0x 6.0	Ctr	0.1	0.79
N	MT20	2.0x 4.0	Ctr	Ctr	0.29
M	MT20	5.0x 9.0	Ctr	-0.5	0.91
K	MT20	2.0x 4.0	Ctr	Ctr	0.58
J	MT20	6.0x 8.0	Ctr	0.9	0.56
L	MT20	4.0x 8.0	Ctr	Ctr	0.51
I	MT20	5.0x 9.0	Ctr	0.8	0.58
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	5.0x 9.0	-1.7	3.3	0.97
F	MT20	8.0x 8.0	Ctr	-1.5	0.62
E	MT20	6.0x12.0	-0.2	-0.4	0.97
D	MT20	5.0x 7.0	0.6	3.1	0.64

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

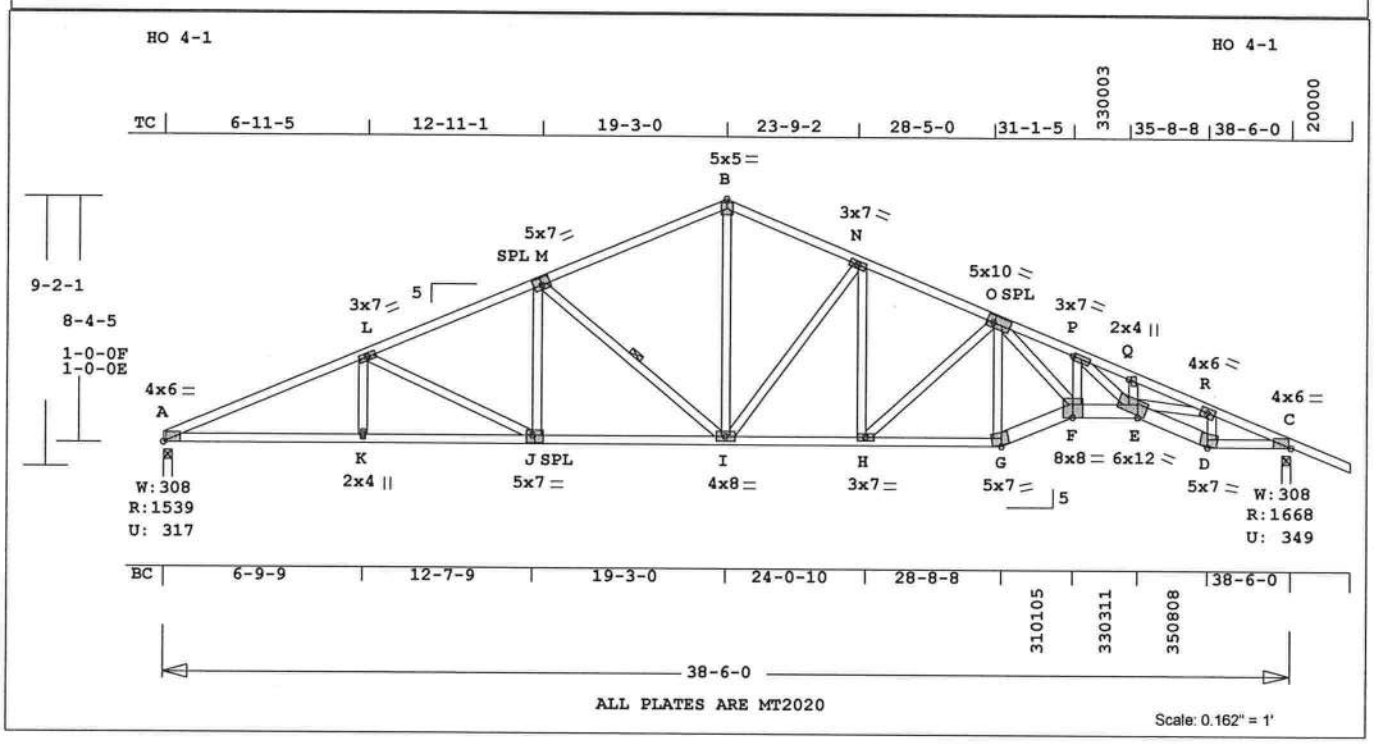
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6743 Lbs
Max tens. force 4552 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*A17*	1	SP	380600	5	0	2- 0- 0	*T3292416*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 286.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.58	2x 4	SP-#1
--	0.52	2x 4	SP-#2
	M -B	B -O	
BC	0.80	2x 4	SP-#2
--	0.54	2x 4	SP-#1
	A -J	J -G	
--	0.77	2x 6	SP-#2
	G -F	F -E	E -D
WB	0.67	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
M -I
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	1539	317 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	1.8"
C	3.5"	2.0"

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 -L	0.42	3242 C	0.19 0.23
L -M	0.44	2661 C	0.16 0.28
M -B	0.52	1994 C	0.17 0.35
B -N	0.38	1986 C	0.18 0.20
N -O	0.39	2445 C	0.20 0.19
O -P	0.40	4869 C	0.29 0.11
P -Q	0.54	6694 C	0.26 0.28
Q -R	0.58	6743 C	0.28 0.30
R -C	0.30	3564 C	0.21 0.09
--------Bottom Chords---------			
A -K	0.49	2993 T	0.39 0.10
K -J	0.48	2993 T	0.39 0.09
J -I	0.42	2460 T	0.32 0.10
I -H	0.39	2256 T	0.29 0.10
H -G	0.54	2721 T	0.35 0.19
G -F	0.65	2893 T	0.35 0.30
F -E	0.77	4566 T	0.55 0.22
E -D	0.74	3480 T	0.42 0.32
D -C	0.80	3264 T	0.54 0.26
----------Webs----------			
K -L	0.03	240 T	
L -J	0.38	591 C	
J -M	0.07	447 T	
M -I	0.23	810 C	1 Br
I -B	0.67	1198 T	
I -N	0.61	694 C	
H -N	0.11	461 T	
H -O	0.36	624 C	
G -O	0.24	884 C	
O -F	0.49	2653 T	
F -P	0.09	878 C	
P -E	0.40	2185 T	
E -Q	0.01	74 T	
E -R	0.54	2942 T	
D -R	0.10	1144 C	

TL Defl	-0.69" in G -F		L/659
LL Defl	-0.34" in G -F		L/999
Hz Disp	LL	DL	TL
Jt C	0.15"	0.15"	0.30"

Shear // Grain in M -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	4.0x 6.0	Ctr	0.1	0.72
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
M	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
N	MT20	3.0x 7.0	Ctr	Ctr	0.27
O	MT20	5.0x10.0	2.1	-0.3	0.84
P	MT20	3.0x 7.0	Ctr	Ctr	0.79
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
R	MT20	4.0x 6.0	Ctr	Ctr	0.94
C	MT20	4.0x 6.0	Ctr	0.1	0.79
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
J	MT20	5.0x 7.0	Ctr	-0.5	0.53
I	MT20	4.0x 8.0	Ctr	Ctr	0.36
H	MT20	3.0x 7.0	Ctr	Ctr	0.19
G	MT20	5.0x 7.0	-0.6	3.1	0.53
F	MT20	8.0x 8.0	Ctr	-1.5	0.65
E	MT20	6.0x12.0	-0.2	-0.4	0.97
D	MT20	5.0x 7.0	0.6	3.1	0.64

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

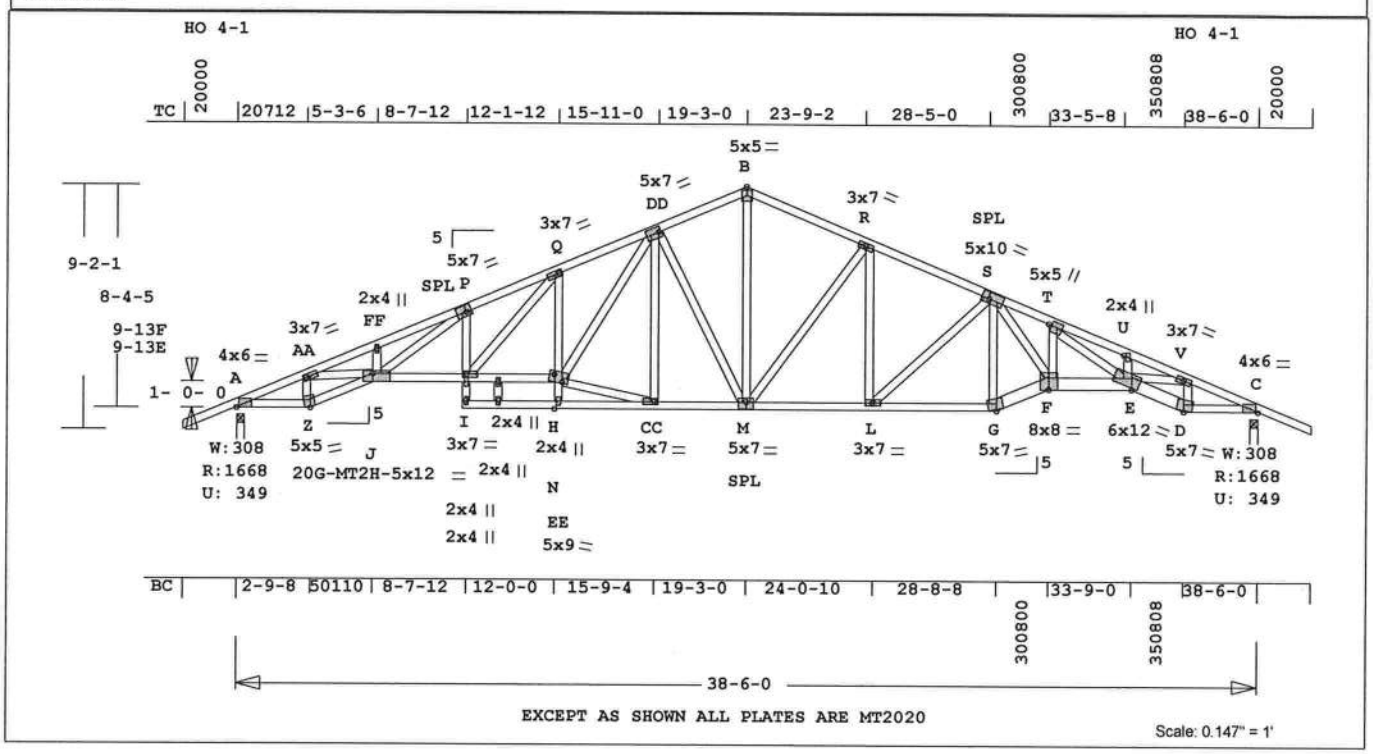
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6743 Lbs
Max tens. force 4566 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*A18AA*	1	SP	380600	5	2- 0- 0	2- 0- 0	*T3292417*

GONZALEZ



EXCEPT AS SHOWN ALL PLATES ARE MT2020

Scale: 0.147" = 1'

Robbins Engineering, Inc./Online Plus™

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.51	2x 4	SP-#1
--	0.40	2x 4	SP-#2
	B -S		
BC	0.88	2x 4	SP-#2
--	0.57	2x 4	SP-#1
	J -EE		
--	0.67	2x 6	SP-#2
	G -F	F -E	E -D
CW	0.20	2x 4	SP-#2
WB	0.77	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	2.0"
C	3.5"	2.0"

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 -AA	0.26	3371 C	0.20 0.06
AA-FF	0.46	6159 C	0.23 0.23
FF-P	0.50	6120 C	0.25 0.25
P -Q	0.33	4172 C	0.25 0.08
Q -DD	0.29	3307 C	0.20 0.09
DD-B	0.23	1975 C	0.14 0.09
B -R	0.38	1980 C	0.17 0.21
R -S	0.40	2446 C	0.19 0.21
S -T	0.35	4317 C	0.26 0.09
T -U	0.51	6201 C	0.24 0.27
U -V	0.48	6246 C	0.23 0.25
V -C	0.30	3532 C	0.21 0.09
--------Bottom Chords---------			
A -Z	0.65	3089 T	0.51 0.14
Z -J	0.88	3298 T	0.55 0.33
J -I	0.57	3849 T	0.50 0.07
I -EE	0.48	3070 T	0.40 0.08
H -CC	0.07	90 T	0.00 0.07
CC-M	0.42	2147 T	0.36 0.06
M -L	0.44	2260 T	0.37 0.07
L -G	0.68	2714 T	0.45 0.23
G -F	0.58	2888 T	0.35 0.23
F -E	0.66	4030 T	0.49 0.17
E -D	0.67	3441 T	0.41 0.26
D -C	0.80	3229 T	0.54 0.26
----------Chord-Webs----------			
H -EE	0.18	59 T	0.00 0.18
EE-Q	0.20	778 C	0.05 0.15
----------Webs----------			
Z -AA	0.11	1170 C	
AA-J	0.47	2581 T	
J -FF	0.01	128 T	
J -P	0.41	2261 T	
I -P	0.11	855 C	
I -Q	0.29	1199 T	
EE-DD	0.62	1673 T	
EE-CC	0.39	2134 T	
CC-DD	0.33	492 C	
DD-M	0.58	691 C	
M -B	0.77	1275 T	
M -R	0.64	719 C	
L -R	0.11	473 T	
L -S	0.35	608 C	
G -S	0.24	897 C	
S -F	0.40	2201 T	
F -T	0.08	716 C	
T -E	0.39	2136 T	
E -U	0.01	94 T	
E -V	0.46	2515 T	
D -V	0.10	1129 C	

TL Defl -0.75" in M -L L/604
LL Defl -0.37" in M -L L/999

Hz Disp	LL	DL	TL
Jt C	0.20"	0.20"	0.39"

Shear // Grain in FF-P 0.19

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	Ctr	0.1	0.74
AA	MT20	3.0x 7.0	Ctr	Ctr	0.78
FF	MT20	2.0x 4.0	Ctr	Ctr	0.23
P	MT20	5.0x 7.0	-1.1	0.1	0.89
Q	MT20	3.0x 7.0	Ctr	Ctr	0.44
DD	MT20	5.0x 7.0	-0.5	-0.2	0.76
B	MT20	5.0x 5.0	Ctr	Ctr	0.36
R	MT20	3.0x 7.0	Ctr	Ctr	0.27
S	MT20	5.0x10.0	2.1	-0.3	0.92
T	MT20	5.0x 5.0	1.6	-1.1	0.87
U	MT20	2.0x 4.0	Ctr	Ctr	0.23
V	MT20	3.0x 7.0	Ctr	Ctr	0.76
C	MT20	4.0x 6.0	Ctr	0.1	0.78
Z	MT20	5.0x 5.0	-0.6	2.9	0.79
J	MT2H	5.0x12.0	Ctr	-1.0	0.93
I	MT20	3.0x 7.0	Ctr	Ctr	0.51
EE	MT20	5.0x 9.0	0.3	1.3	0.62
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
CC	MT20	3.0x 7.0	Ctr	Ctr	0.69
M	MT20	5.0x 7.0	Ctr	-0.5	0.47
L	MT20	3.0x 7.0	Ctr	Ctr	0.19
G	MT20	5.0x 7.0	-0.6	3.1	0.53
F	MT20	8.0x 8.0	Ctr	-1.5	0.64
E	MT20	6.0x12.0	-0.2	-0.4	0.90
D	MT20	5.0x 7.0	0.6	3.1	0.63

APPROX. TRUSS WEIGHT: 342.0 LBS

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

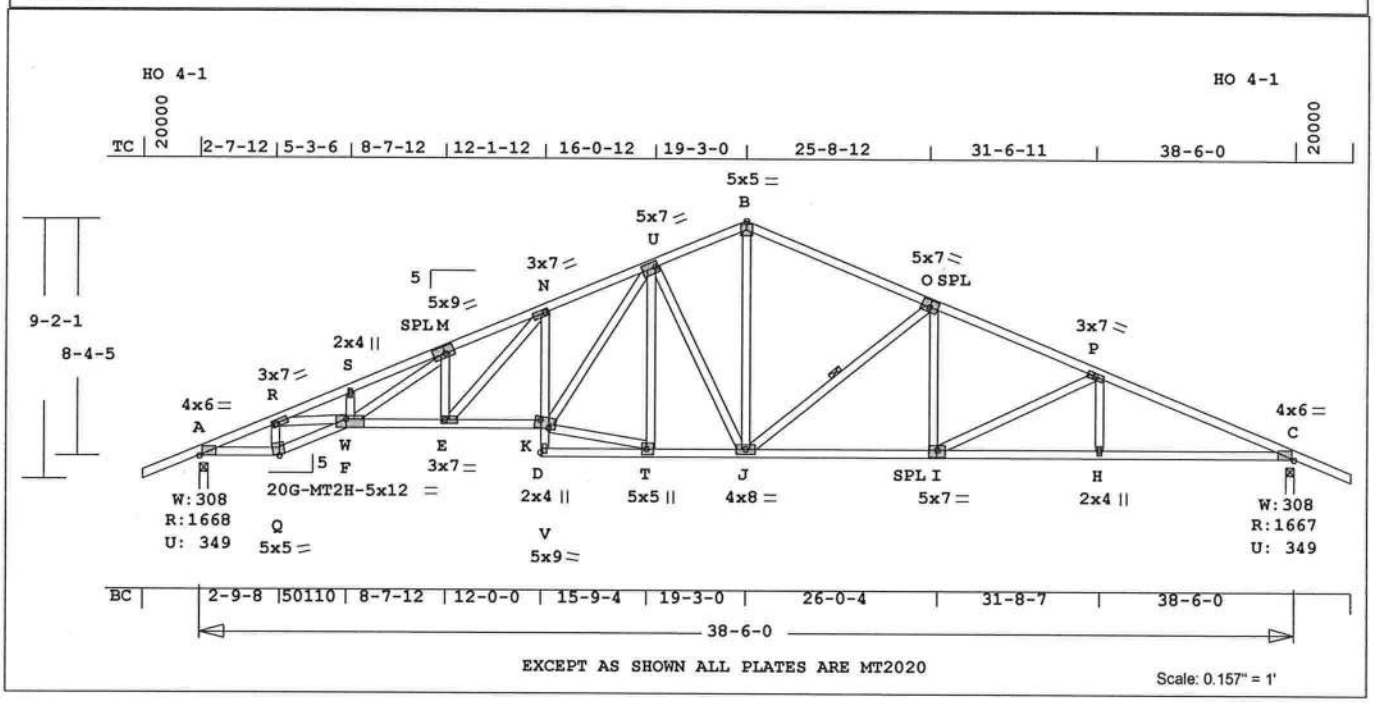
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6246 Lbs
Max tens. force 4030 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*A19*	1	SP	380600	5	2- 0- 0	2- 0- 0	*T3292418*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 299.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.89	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.71	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
J -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	1668	349 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	2.0"
C	3.5"	2.0"

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 -R	0.33	3372 C	0.25 0.08
R -S	0.57	6157 C	0.29 0.28
S -M	0.62	6119 C	0.31 0.31
M -N	0.41	4170 C	0.32 0.09
N -U	0.36	3311 C	0.26 0.10
U -B	0.38	1977 C	0.18 0.20
B -O	0.53	1991 C	0.17 0.36
O -P	0.57	2675 C	0.21 0.36
P -C	0.51	3232 C	0.24 0.27
--------Bottom Chords---------			
A -Q	0.66	3090 T	0.51 0.15
Q -F	0.89	3298 T	0.55 0.34
F -E	0.72	3847 T	0.64 0.08
E -V	0.60	3071 T	0.51 0.09
D -T	0.08	91 T	0.00 0.08
T -J	0.45	2130 T	0.35 0.10
J -I	0.53	2474 T	0.41 0.12
I -H	0.62	2983 T	0.50 0.12
H -C	0.62	2983 T	0.50 0.12
----------Chord-Webs----------			
D -V	0.19	64 T	0.00 0.19
V -N	0.21	789 C	0.05 0.16
----------Webs----------			
Q -R	0.11	1170 C	
R -F	0.47	2578 T	
F -S	0.01	130 T	
F -M	0.41	2260 T	
E -M	0.11	851 C	
E -N	0.29	1194 T	
V -U	0.65	1671 T	
V -T	0.38	2109 T	
T -U	0.32	473 C	
U -J	0.56	666 C	
J -B	0.71	1216 T	
J -O	0.23	821 C	1 Br
I -O	0.07	449 T	
I -P	0.35	568 C	
H -P	0.03	233 T	

TL Defl -0.66" in E -K L/684
LL Defl -0.33" in E -K L/999

Hz Disp	LL	DL	TL
Jt C	0.14"	0.14"	0.28"

Shear // Grain in B -O 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	4.0x 6.0	Ctr	0.1	0.74
R	MT20	3.0x 7.0	Ctr	Ctr	0.78
S	MT20	2.0x 4.0	Ctr	Ctr	0.23
M	MT20	5.0x 9.0	-0.7	0.3	0.89
N	MT20	3.0x 7.0	Ctr	Ctr	0.44
U	MT20	5.0x 7.0	-0.5	-0.2	0.76
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
O	MT20	5.0x 7.0	0.2	0.5	0.38
P	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	4.0x 6.0	Ctr	0.1	0.71
Q	MT20	5.0x 5.0	-0.6	2.9	0.80
F	MT2H	5.0x12.0	Ctr	-1.0	0.90
E	MT20	3.0x 7.0	Ctr	Ctr	0.50
V	MT20	5.0x 9.0	0.2	1.3	0.60
D	MT20	2.0x 4.0	Ctr	Ctr	0.58
T	MT20	5.0x 5.0	-1.2	0.1	0.90
J	MT20	4.0x 8.0	Ctr	Ctr	0.37
I	MT20	5.0x 7.0	Ctr	-0.5	0.58
H	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

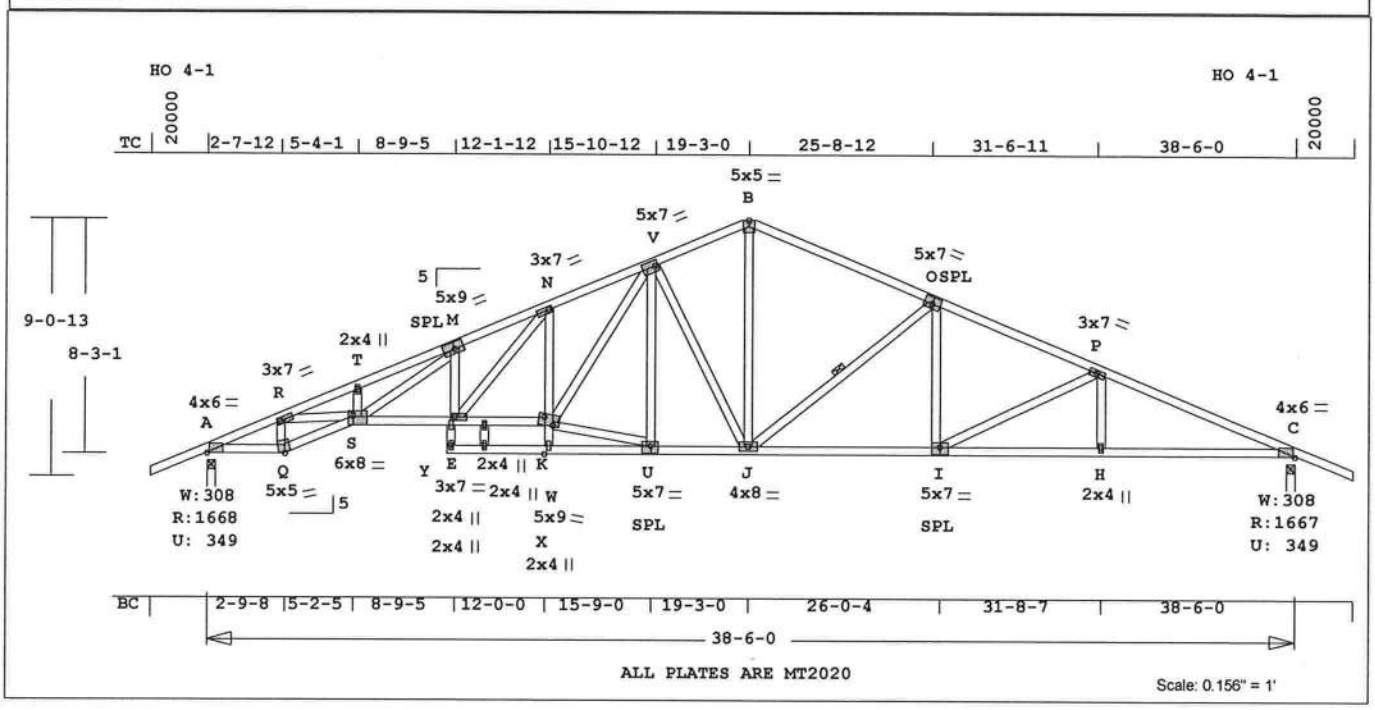
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6157 Lbs
Max tens. force 3847 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A20	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292419

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 308.2 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.95	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.70	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 0

One Continuous Lateral Brace
J -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	1668	349 U	187 R
C	1668	349 U	187 R

Jt	Brg Size	Required
A	3.5"	2.0"
C	3.5"	2.0"

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 -R	0.33	3378	C	0.25	0.08
R -T	0.57	6143	C	0.29	0.28
T -M	0.62	6107	C	0.31	0.31
M -N	0.41	4128	C	0.32	0.09
N -V	0.36	3308	C	0.26	0.10
V -B	0.38	1977	C	0.18	0.20
B -O	0.53	1991	C	0.17	0.36
O -P	0.57	2675	C	0.21	0.36
P -C	0.51	3232	C	0.24	0.27
--------Bottom Chords---------					
A -Q	0.67	3096	T	0.52	0.15
Q -S	0.95	3299	T	0.55	0.40
S -E	0.77	3807	T	0.63	0.14
E -W	0.61	3069	T	0.51	0.10
X -U	0.07	89	T	0.00	0.07
U -J	0.46	2146	T	0.36	0.10
J -I	0.53	2474	T	0.41	0.12
I -H	0.62	2984	T	0.50	0.12
H -C	0.62	2984	T	0.50	0.12
----------Chord-Webs----------					
X -W	0.18	61	T	0.00	0.18
W -N	0.21	779	C	0.05	0.16
----------Webs----------					
Q -R	0.11	1156	C		
R -S	0.47	2561	T		
S -T	0.01	137	T		
S -M	0.42	2293	T		
E -M	0.11	855	C		
E -N	0.27	1161	T		
W -V	0.62	1678	T		
W -U	0.39	2134	T		
U -V	0.34	502	C		
V -J	0.56	668	C		
J -B	0.70	1212	T		
J -O	0.23	820	C		1 Br
I -O	0.07	449	T		
I -P	0.35	568	C		
H -P	0.03	233	T		

TL Defl -0.67" in E -K L/680
LL Defl -0.33" in E -K L/999

Hz Disp	LL	DL	TL
Jt C	0.14"	0.14"	0.28"

Shear // Grain in B -O 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	4.0x 6.0	Ctr	0.1	0.75
R	MT20	3.0x 7.0	Ctr	Ctr	0.77
T	MT20	2.0x 4.0	Ctr	Ctr	0.23
M	MT20	5.0x 9.0	-0.7	0.3	0.91
N	MT20	3.0x 7.0	Ctr	Ctr	0.43
V	MT20	5.0x 7.0	-0.5	-0.2	0.76
B	MT20	5.0x 5.0	Ctr	Ctr	0.43
O	MT20	5.0x 7.0	0.2	0.5	0.38
P	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	4.0x 6.0	Ctr	0.1	0.71
Q	MT20	5.0x 5.0	-0.6	2.9	0.80
S	MT20	6.0x 8.0	Ctr	-0.5	0.92
E	MT20	3.0x 7.0	Ctr	Ctr	0.50
W	MT20	5.0x 9.0	0.2	1.3	0.60
X	MT20	2.0x 4.0	Ctr	Ctr	0.58
U	MT20	5.0x 7.0	-0.5	-0.5	0.88
J	MT20	4.0x 8.0	Ctr	Ctr	0.36
I	MT20	5.0x 7.0	Ctr	-0.5	0.58
H	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

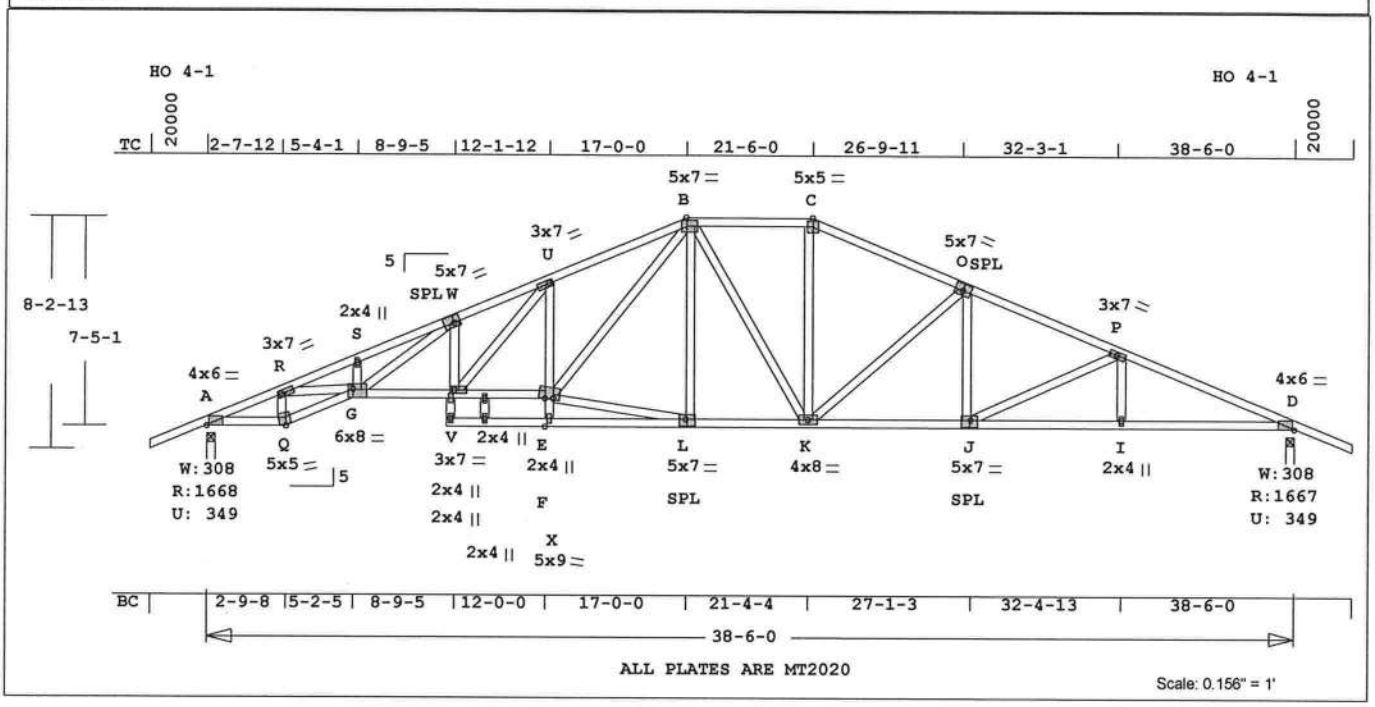
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6143 Lbs
Max tens. force 3807 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A21	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292420

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 309.0 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.95	2x 4	SP-#2
CW	0.25	2x 4	SP-#2
WB	0.91	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	165 R
D	1668	349 U	165 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -R	0.33	3378 C	0.25 0.08
R -S	0.57	6141 C	0.29 0.28
S -W	0.62	6105 C	0.31 0.31
W -U	0.45	4134 C	0.31 0.14
U -B	0.48	3278 C	0.27 0.21
B -C	0.31	2034 C	0.03 0.28
C -O	0.45	2205 C	0.18 0.27
O -P	0.48	2769 C	0.21 0.27
P -D	0.46	3274 C	0.24 0.22
--------Bottom Chords---------			
A -Q	0.66	3096 T	0.51 0.15
Q -G	0.95	3298 T	0.55 0.40
G -V	0.77	3809 T	0.63 0.14
V -X	0.62	3058 T	0.51 0.11
E -L	0.15	122 T	0.01 0.14
L -K	0.42	2015 T	0.33 0.09
K -J	0.51	2558 T	0.42 0.09
J -I	0.59	3020 T	0.50 0.09
I -D	0.59	3020 T	0.50 0.09
----------Chord-Webs----------			
E -X	0.25	81 T	0.00 0.25
X -U	0.24	773 C	0.05 0.19
----------Webs----------			
Q -R	0.11	1156 C	
R -G	0.47	2559 T	
G -S	0.02	143 T	
G -W	0.42	2287 T	
V -W	0.11	862 C	
V -U	0.27	1181 T	
X -B	0.91	1591 T	
X -L	0.35	1930 T	
L -B	0.21	274 C	
B -K	0.11	130 T	
K -C	0.22	515 T	
K -O	0.57	693 C	
J -O	0.06	398 T	
J -P	0.27	510 C	
I -P	0.03	206 T	

TL Defl -0.69" in V -F L/656
LL Defl -0.35" in V -F L/999

Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.29"

Shear // Grain in P -D 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	0.75
R	MT20	3.0x 7.0	Ctr	Ctr	0.77
S	MT20	2.0x 4.0	Ctr	Ctr	0.23
W	MT20	5.0x 7.0	-1.1	0.1	0.90
U	MT20	3.0x 7.0	Ctr	Ctr	0.43
B	MT20	5.0x 7.0	-0.5	Ctr	0.76
C	MT20	5.0x 5.0	Ctr	Ctr	0.47
O	MT20	5.0x 7.0	0.2	0.5	0.38
P	MT20	3.0x 7.0	Ctr	Ctr	0.19
D	MT20	4.0x 6.0	Ctr	0.1	0.72
Q	MT20	5.0x 5.0	-0.6	2.9	0.80
G	MT20	6.0x 8.0	Ctr	-0.5	0.92
V	MT20	3.0x 7.0	Ctr	Ctr	0.51
X	MT20	5.0x 9.0	0.2	1.4	0.60
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
L	MT20	5.0x 7.0	Ctr	-0.5	0.58
K	MT20	4.0x 8.0	Ctr	Ctr	0.23
J	MT20	5.0x 7.0	Ctr	-0.5	0.59
I	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

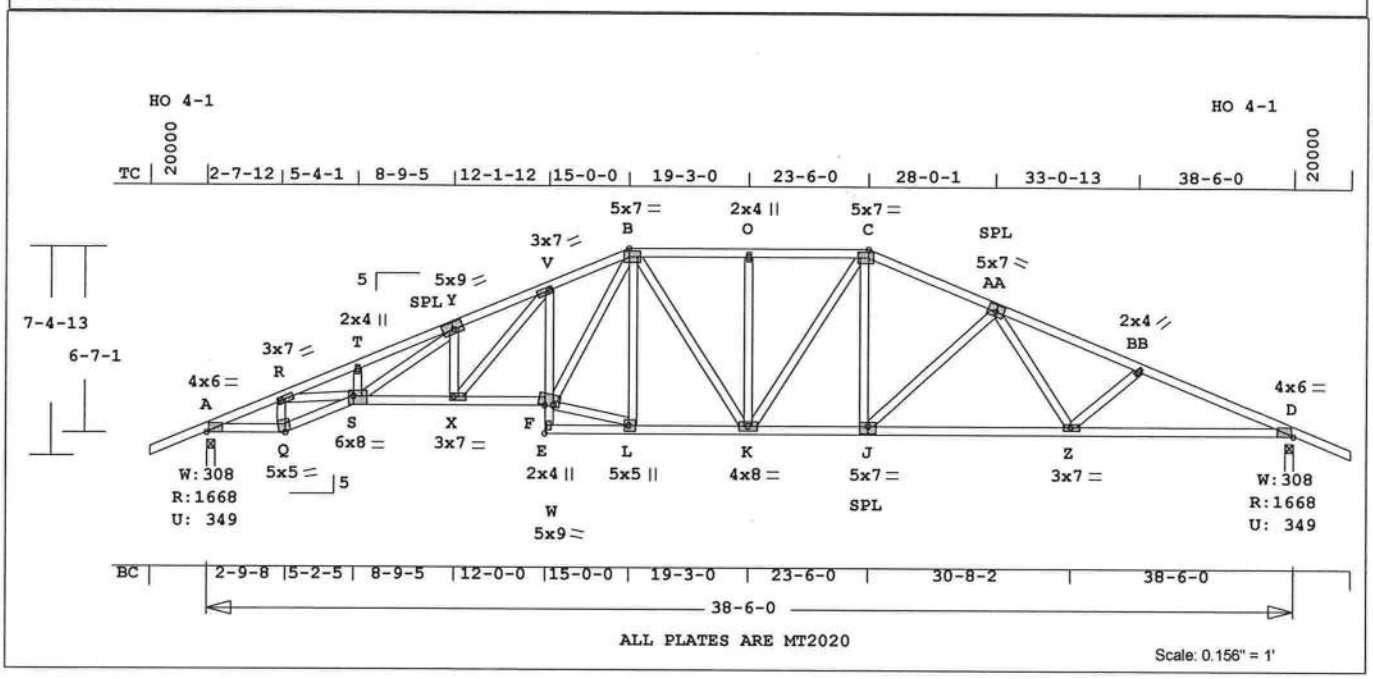
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6141 Lbs
Max tens. force 3809 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A22	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292421

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 301.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.95	2x 4	SP-#2
CW	0.20	2x 4	SP-#2
WB	0.53	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	145 R
D	1668	349 U	146 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -R	0.31	3379	C	0.24	0.07
R -T	0.57	6138	C	0.29	0.28
T -Y	0.62	6099	C	0.31	0.31
Y -V	0.41	4145	C	0.30	0.11
V -B	0.42	3256	C	0.26	0.16
B -O	0.31	2337	C	0.19	0.12
O -C	0.31	2337	C	0.19	0.12
C -AA	0.41	2410	C	0.19	0.22
AA-BB	0.44	3057	C	0.22	0.22
BB-D	0.41	3301	C	0.24	0.17
--------Bottom Chords---------					
A -Q	0.66	3096	T	0.51	0.15
Q -S	0.95	3299	T	0.55	0.40
S -X	0.78	3812	T	0.64	0.14
X -W	0.61	3049	T	0.51	0.10
E -L	0.09	97	T	0.00	0.09
L -K	0.43	2199	T	0.36	0.07
K -J	0.49	2217	T	0.37	0.12
J -Z	0.56	2621	T	0.44	0.12
Z -D	0.63	3044	T	0.51	0.12
----------Chord-Webs----------					
E -W	0.20	39	T	0.00	0.20
W -V	0.19	668	C	0.03	0.16
----------Webs----------					
Q -R	0.11	1156	C		
R -S	0.47	2554	T		
S -T	0.01	135	T		
S -Y	0.42	2279	T		
X -Y	0.12	884	C		
X -V	0.28	1201	T		
W -B	0.53	1642	T		
W -L	0.40	2216	T		
L -B	0.37	610	C		
B -K	0.13	244	T		
K -O	0.19	323	C		
K -C	0.13	217	T		
J -C	0.15	504	T		
J -AA	0.34	546	C		
AA-Z	0.07	437	T		
Z -BB	0.05	335	T		

TL Defl -0.68" in X -F L/669
LL Defl -0.34" in X -F L/999

Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.29"

Shear // Grain in B -O 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	0.75
R	MT20	3.0x 7.0	Ctr	Ctr	0.77
T	MT20	2.0x 4.0	Ctr	Ctr	0.23
Y	MT20	5.0x 9.0	-0.7	0.3	0.90
V	MT20	3.0x 7.0	Ctr	Ctr	0.44
B	MT20	5.0x 7.0	-0.5	Ctr	0.81
O	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	0.5	Ctr	0.48
AA	MT20	5.0x 7.0	0.2	0.5	0.40
BB	MT20	2.0x 4.0	Ctr	Ctr	0.23
D	MT20	4.0x 6.0	Ctr	0.1	0.73
Q	MT20	5.0x 5.0	-0.6	2.9	0.80
S	MT20	6.0x 8.0	Ctr	-0.5	0.91
X	MT20	3.0x 7.0	Ctr	Ctr	0.52
W	MT20	5.0x 9.0	0.3	1.3	0.61
E	MT20	2.0x 4.0	Ctr	Ctr	0.58
L	MT20	5.0x 5.0	-1.2	0.1	0.94
K	MT20	4.0x 8.0	Ctr	Ctr	0.20
J	MT20	5.0x 7.0	Ctr	-0.5	0.51
Z	MT20	3.0x 7.0	0.4	Ctr	0.23

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

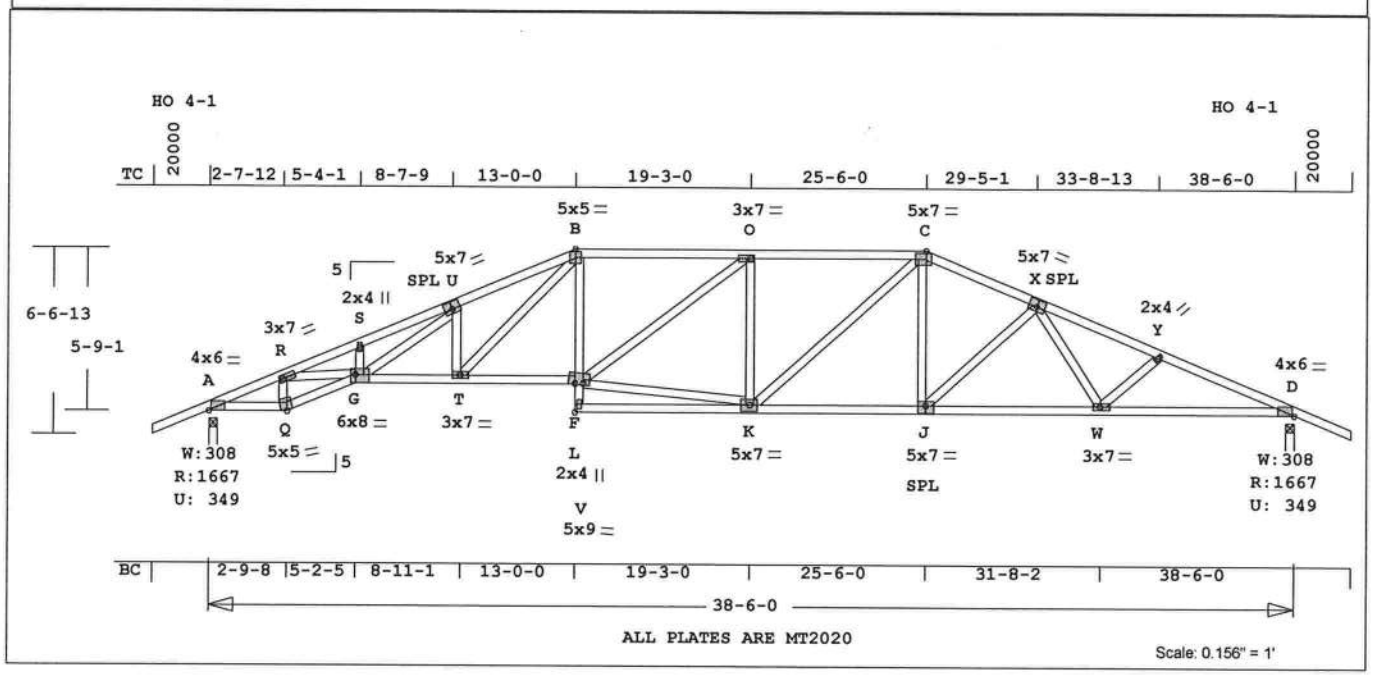
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6138 Lbs
Max tens. force 3812 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	A23	1	SP	380600	5	2- 0- 0	2- 0- 0	T3292422

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 281.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.95	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.68	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 6- 0
BC	Cont.	0- 0- 0	38- 6- 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	1668	349 U	126 R
D	1668	349 U	126 R

Jt	Brg Size	Required
A	3.5"	2.0"
D	3.5"	2.0"

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 -R	0.31	3376 C	0.24 0.07
R -S	0.55	6148 C	0.29 0.26
S -U	0.62	6118 C	0.31 0.31
U -B	0.51	4098 C	0.31 0.20
B -O	0.50	2915 C	0.05 0.45
O -C	0.49	2726 C	0.04 0.45
C -X	0.35	2610 C	0.20 0.15
X -Y	0.38	3129 C	0.23 0.15
Y -D	0.37	3330 C	0.24 0.13
--------Bottom Chords---------			
A -Q	0.66	3094 T	0.51 0.15
Q -G	0.95	3296 T	0.55 0.40
G -T	0.76	3795 T	0.63 0.13
T -V	0.61	2920 T	0.49 0.12
L -K	0.23	85 T	0.00 0.23
K -J	0.53	2409 T	0.40 0.13
J -W	0.56	2735 T	0.45 0.11
W -D	0.63	3066 T	0.51 0.12
----------Chord-Webs----------			
V -B	0.21	408 T	0.07 0.14
L -V	0.17	97 T	0.00 0.17
----------Webs----------			
Q -R	0.11	1154 C	
R -G	0.47	2569 T	
G -S	0.02	140 T	
G -U	0.42	2314 T	
T -U	0.11	825 C	
T -B	0.44	1238 T	
V -O	0.14	233 T	
V -K	0.68	2675 T	
K -O	0.26	577 C	
K -C	0.24	422 T	
J -C	0.09	442 T	
J -X	0.20	436 C	
X -W	0.05	350 T	
W -Y	0.04	289 T	

TL Defl -0.70" in L -K L/654
LL Defl -0.34" in T -F L/999

Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.29"

Shear // Grain in B -O 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	0.74
R	MT20	3.0x 7.0	Ctr	Ctr	0.77
S	MT20	2.0x 4.0	Ctr	Ctr	0.23
U	MT20	5.0x 7.0	-0.2	0.5	0.85
B	MT20	5.0x 5.0	Ctr	Ctr	0.60
O	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	5.0x 7.0	0.5	Ctr	0.46
X	MT20	5.0x 7.0	0.2	0.5	0.40
Y	MT20	2.0x 4.0	Ctr	Ctr	0.23
D	MT20	4.0x 6.0	Ctr	0.1	0.73
Q	MT20	5.0x 5.0	-0.6	2.9	0.79
G	MT20	6.0x 8.0	Ctr	-0.5	0.92
T	MT20	3.0x 7.0	Ctr	Ctr	0.49
V	MT20	5.0x 9.0	0.1	1.2	0.73
L	MT20	2.0x 4.0	Ctr	Ctr	0.58
K	MT20	5.0x 7.0	-0.5	Ctr	0.83
J	MT20	5.0x 7.0	Ctr	-0.5	0.54
W	MT20	3.0x 7.0	0.5	Ctr	0.23

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

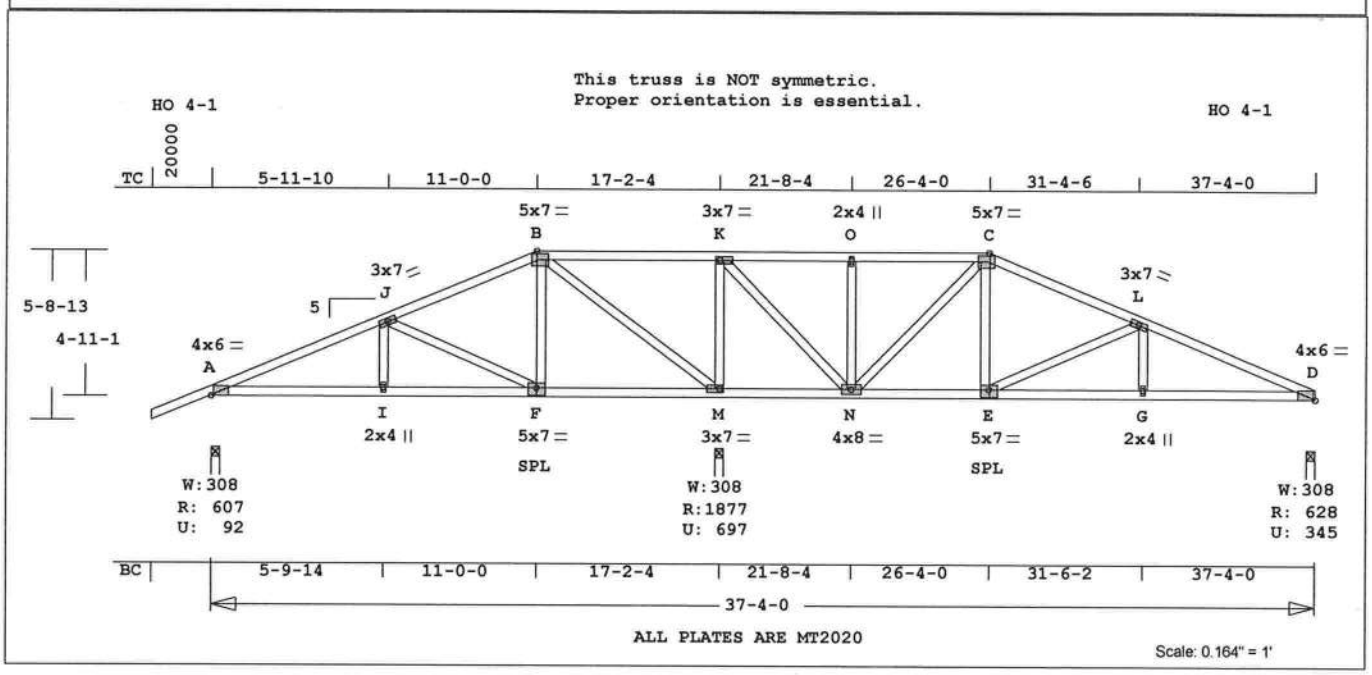
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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 6148 Lbs
Max tens. force 3795 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	B1	1	HIPP	370400	5	2- 0- 0	0	T3292423

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 247.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.48	2x 4	SP-#2
BC	0.28	2x 4	SP-#2
WB	0.89	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	37- 4- 0
BC	Cont.	0- 0- 0	37- 4- 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	608	93 U	105 R
M	1878	697 U	
D	629	345 U	104 R

Jt	Brg Size	Required
A	3.5"	1.5"
M	3.5"	2.0"
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 -J	0.31	679 C	0.03	0.28
J -B	0.28	231 C	0.00	0.28
B -K	0.48	729 T	0.12	0.36
K -O	0.36	341 T	0.00	0.36
O -C	0.16	341 T	0.00	0.16
C -L	0.36	820 T	0.10	0.26
L -D	0.44	1425 T	0.18	0.26
--------Bottom Chords---------				
A -I	0.23	634 T	0.10	0.13
I -F	0.22	634 T	0.06	0.16
F -M	0.19	330 T	0.00	0.19
M -N	0.20	838 T	0.10	0.10
N -E	0.16	517 C	0.04	0.12
E -G	0.26	1246 C	0.16	0.10
G -D	0.28	1246 C	0.16	0.12
----------Webs----------				
I -J	0.03	229 T		
J -F	0.30	586 C		
F -B	0.06	404 T		
B -M	0.89	1030 C		
M -K	0.37	1163 T		
K -N	0.75	1232 C		
N -O	0.08	259 C		
N -C	0.37	707 T		
E -C	0.16	519 C		
E -L	0.30	798 T		
G -L	0.03	254 C		

TL Defl -0.06" in A -I L/999
LL Defl -0.03" in G -D L/999
Shear // Grain in B -K 0.27

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	Ctr	0.1	0.37
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 7.0	-0.5	Ctr	0.52
K	MT20	3.0x 7.0	Ctr	Ctr	0.42
O	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	0.5	Ctr	0.46
L	MT20	3.0x 7.0	Ctr	Ctr	0.23
D	MT20	4.0x 6.0	Ctr	0.1	0.37
I	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 7.0	Ctr	-0.5	0.39
M	MT20	3.0x 7.0	Ctr	Ctr	0.36
N	MT20	4.0x 8.0	Ctr	Ctr	0.44
E	MT20	5.0x 7.0	Ctr	-0.5	0.39
G	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

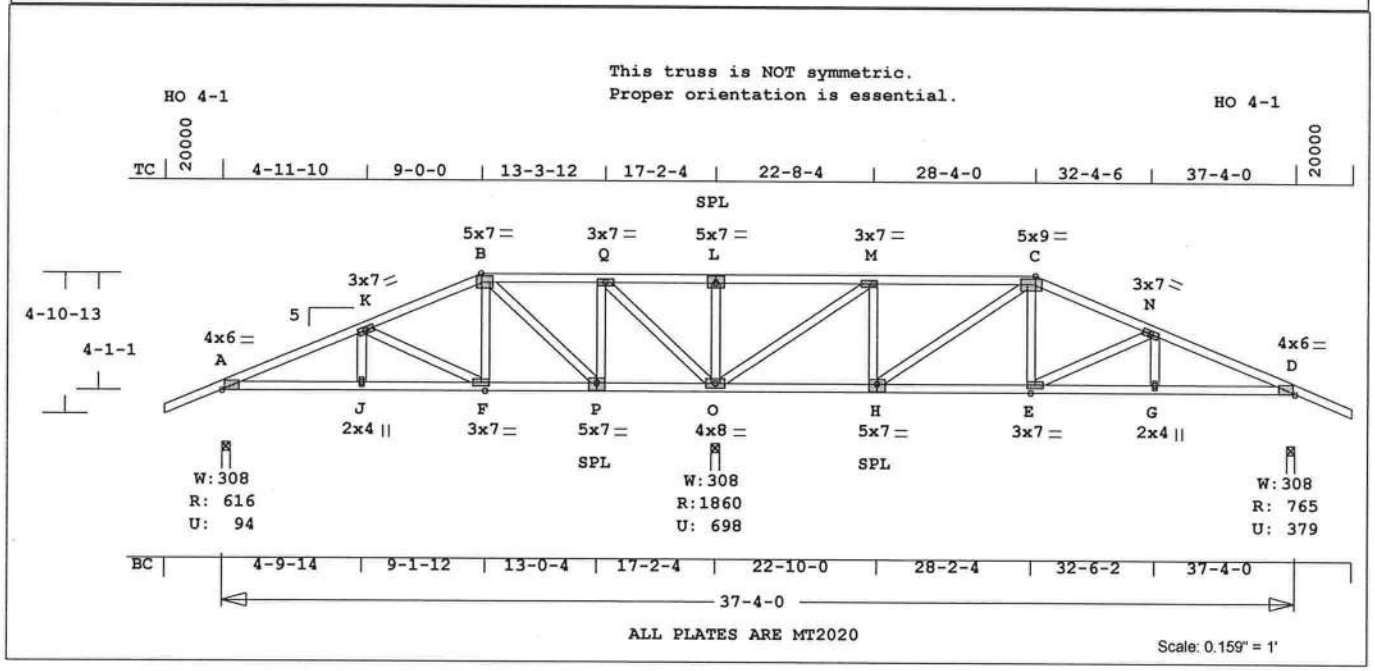
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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---
17- 2- 4 37- 4- 0
Max comp. force 1246 Lbs
Max tens. force 1425 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*B2*	1	HIPP	370400	5	2- 0- 0	2- 0- 0	*T3292424*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 252.2 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.47	2x 4	SP-#2
BC	0.24	2x 4	SP-#2
WB	0.88	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	37- 4- 0
BC	Cont.	0- 0- 0	37- 4- 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	617	95 U	86 R
O	1861	698 U	
D	765	380 U	85 R

Jt	Brg Size	Required
A	3.5"	1.5"
O	3.5"	2.0"
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 -K	0.23	768 C	0.04	0.19
K -B	0.20	326 C	0.01	0.19
B -Q	0.17	233 C	0.02	0.15
Q -L	0.36	874 T	0.14	0.22
L -M	0.47	874 T	0.14	0.33
M -C	0.33	559 T	0.00	0.33
C -N	0.29	1060 T	0.14	0.15
N -D	0.35	1503 T	0.18	0.17
--------Bottom Chords---------				
A -J	0.19	714 T	0.11	0.08
J -F	0.17	714 T	0.07	0.10
F -P	0.11	290 T	0.03	0.08
P -O	0.15	503 T	0.00	0.15
O -H	0.18	289 C	0.02	0.16
H -E	0.22	779 C	0.06	0.16
E -G	0.23	1325 C	0.17	0.06
G -D	0.24	1325 C	0.17	0.07
----------Webs----------				
J -K	0.02	185 T		
K -F	0.15	460 C		
F -B	0.05	313 T		
B -P	0.25	568 C		
P -Q	0.08	454 T		
Q -O	0.46	1028 C		
O -L	0.06	284 C		
O -M	0.88	1485 T		
H -M	0.12	559 C		
H -C	0.33	590 T		
E -C	0.09	445 C		
E -N	0.14	594 T		
G -N	0.02	188 C		

TL Defl -0.07" in H -E L/999
LL Defl -0.03" in E -G L/999
Shear // Grain in M -C 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	4.0x 6.0	Ctr	0.1	0.37
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
B	MT20	5.0x 7.0	-0.5	Ctr	0.46
Q	MT20	3.0x 7.0	Ctr	Ctr	0.31
L	MT20	5.0x 7.0	Ctr	0.5	0.39
M	MT20	3.0x 7.0	Ctr	Ctr	0.40
C	MT20	5.0x 9.0	Ctr	-0.1	0.49
N	MT20	3.0x 7.0	Ctr	Ctr	0.19
D	MT20	4.0x 6.0	Ctr	0.1	0.37
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	3.0x 7.0	Ctr	Ctr	0.19
P	MT20	5.0x 7.0	Ctr	-0.5	0.39
O	MT20	4.0x 8.0	Ctr	Ctr	0.47
H	MT20	5.0x 7.0	Ctr	-0.5	0.39
E	MT20	3.0x 7.0	Ctr	Ctr	0.19
G	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

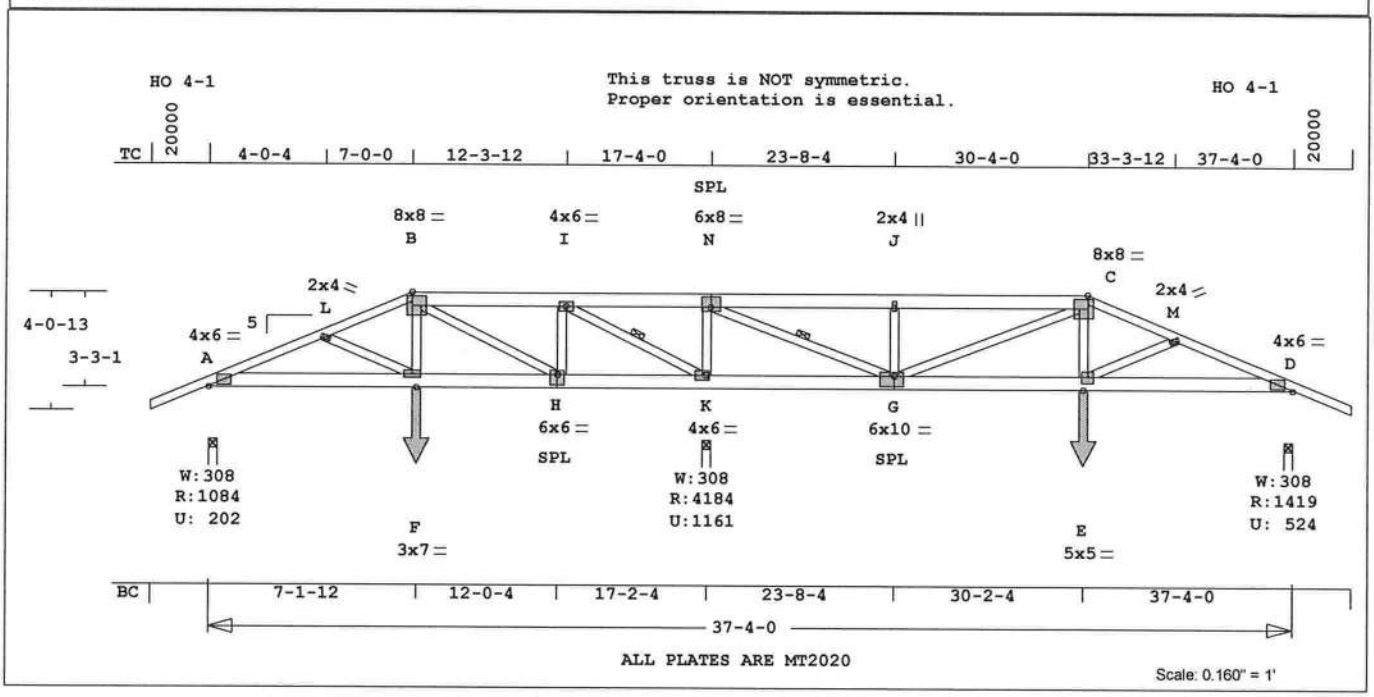
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 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---
17- 2- 4 37- 4- 0
Max comp. force 1343 Lbs
Max tens. force 1503 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	B3GIR	1	HIPP	370400	5	2- 0- 0	2- 0- 0	T3292425

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 289.0 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.76	2x 6	SP-#2
--	0.74	2x 4	SP-#2
	A -B	C -D	
BC	0.52	2x 6	SP-#2
WB	0.74	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	37- 4- 0
BC	Cont.	0- 0- 0	37- 4- 0

One Continuous Lateral Brace
I -K N -G
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=1.00 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	1085	203 U	65 R
K	4184	1161 U	
D	1419	524 U	63 R

Jt	Brg Size	Required
A	3.5"	1.5"
K	3.5"	4.5" **
D	3.5"	1.7"

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

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	37.3'
BC V	20	0	0.0'	37.3'
TC V	25	50	7.0'	30.3'
BC V	25	0	7.1'	30.2'
BC V	280	280	7.1'	CL-LB
BC V	280	280	30.2'	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 -L	0.25	1907 C	0.13 0.12
L -B	0.49	1770 C	0.02 0.47
B -I	0.40	676 C	0.00 0.40
I -N	0.76	1963 T	0.26 0.50
N -J	0.61	1740 C	0.01 0.60
J -C	0.62	1740 C	0.01 0.61
C -M	0.74	2651 C	0.33 0.41
M -D	0.54	2738 C	0.33 0.21
--------Bottom Chords---------			
A -F	0.39	1758 T	0.23 0.16
F -H	0.33	1630 T	0.21 0.12
H -K	0.40	676 T	0.09 0.31
K -G	0.33	1963 C	0.00 0.33
G -E	0.52	2454 T	0.32 0.20
E -D	0.50	2518 T	0.33 0.17
----------Webs----------			
L -F	0.03	242 T	
F -B	0.14	772 T	
B -H	0.51	1075 C	
H -I	0.12	811 T	
I -K	0.45	3021 C	1 Br
K -N	0.31	2381 C	
N -G	0.74	4032 T	1 Br
G -J	0.13	1016 C	
G -C	0.56	768 C	
E -C	0.14	811 T	
E -M	0.02	192 T	

TL Defl -0.25" in G -E L/964
LL Defl -0.12" in G -E L/999
Shear // Grain in J -C 0.46

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	Ctr	0.56
L	MT20	2.0x 4.0	Ctr	Ctr	0.22
B	MT20	8.0x 8.0	Ctr	Ctr	0.45
I	MT20	4.0x 6.0	Ctr	Ctr	0.82
N	MT20	6.0x 8.0	Ctr	1.2	0.99
J	MT20	2.0x 4.0	Ctr	0.8	0.51
C	MT20	8.0x 8.0	Ctr	Ctr	0.52
M	MT20	2.0x 4.0	Ctr	Ctr	0.22
D	MT20	4.0x 6.0	Ctr	Ctr	0.60
F	MT20	3.0x 7.0	Ctr	Ctr	0.31
H	MT20	6.0x 6.0	Ctr	-1.2	0.43
K	MT20	4.0x 6.0	Ctr	Ctr	0.82
G	MT20	6.0x10.0	-1.0	-1.2	0.94
E	MT20	5.0x 5.0	Ctr	-0.2	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

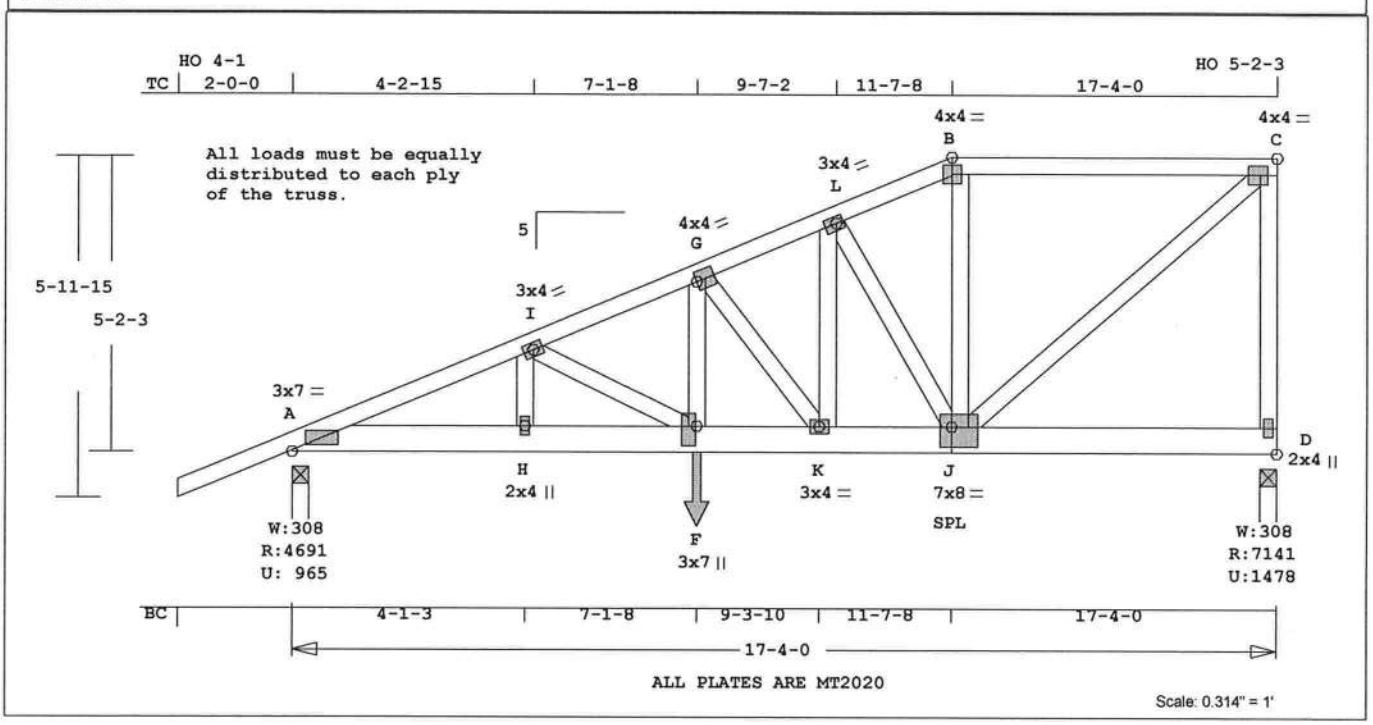
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 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---
17- 2- 4 37- 4- 0
Max comp. force 3144 Lbs
Max tens. force 4032 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*B4GIR*	1*3P	HHIP	170400	5	2- 0- 0	0	*T3292426*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 151.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09
****
* 3-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.30	2x 4	SP-#2
BC	0.84	2x 6	SP-#2
WB	0.47	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
BC	Cont.	0- 0- 0	17- 4- 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	4692	965 U	105 R
D	7142	1479 U	203 R

Jt	Brg Size	Required
A	3.5"	1.8"
D	3.5"	2.8"

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

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	17.3'
BC V	20	0	0.0'	17.3'
BC V	365	365	7.8'	17.3'
BC V	1664	1664	7.1'	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 -I	0.30	10944 C	0.27	0.03
I -G	0.30	10972 C	0.27	0.03
G -L	0.23	8366 C	0.21	0.02
L -B	0.23	6229 C	0.16	0.07
B -C	0.21	5809 C	0.15	0.06
--------Bottom Chords---------				
A -H	0.55	10091 T	0.40	0.15
H -F	0.55	10091 T	0.40	0.15
F -K	0.57	10137 T	0.41	0.16
K -J	0.84	7712 T	0.31	0.53
J -D	0.59	160 T	0.00	0.59
----------Webs----------				
H -I	0.00	172 C		
I -F	0.00	127 T		
F -G	0.23	3860 T		
G -K	0.13	3895 C		
K -L	0.24	4042 T		
L -J	0.13	3709 C		
J -B	0.12	2141 T		
J -C	0.47	7767 T		
D -C	0.19	5319 C	WindLd	

TL Defl -0.17" in F -K L/999
LL Defl -0.08" in F -K L/999
Shear // Grain in J -D 0.65

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 7.0	Ctr	Ctr	0.86
I	MT20	3.0x 4.0	Ctr	Ctr	0.20
G	MT20	4.0x 4.0	Ctr	Ctr	0.79
L	MT20	3.0x 4.0	-0.5	-0.2	0.81
B	MT20	4.0x 4.0	Ctr	Ctr	0.58
C	MT20	4.0x 4.0	-0.5	Ctr	0.94
H	MT20	2.0x 4.0	Ctr	Ctr	0.13
F	MT20	3.0x 7.0	Ctr	-0.7	0.55
K	MT20	3.0x 4.0	Ctr	Ctr	0.95
J	MT20	7.0x 8.0	1.5	-0.8	0.88
D	MT20	2.0x 4.0	Ctr	Ctr	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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	9	14	0
WB	1	8	8	

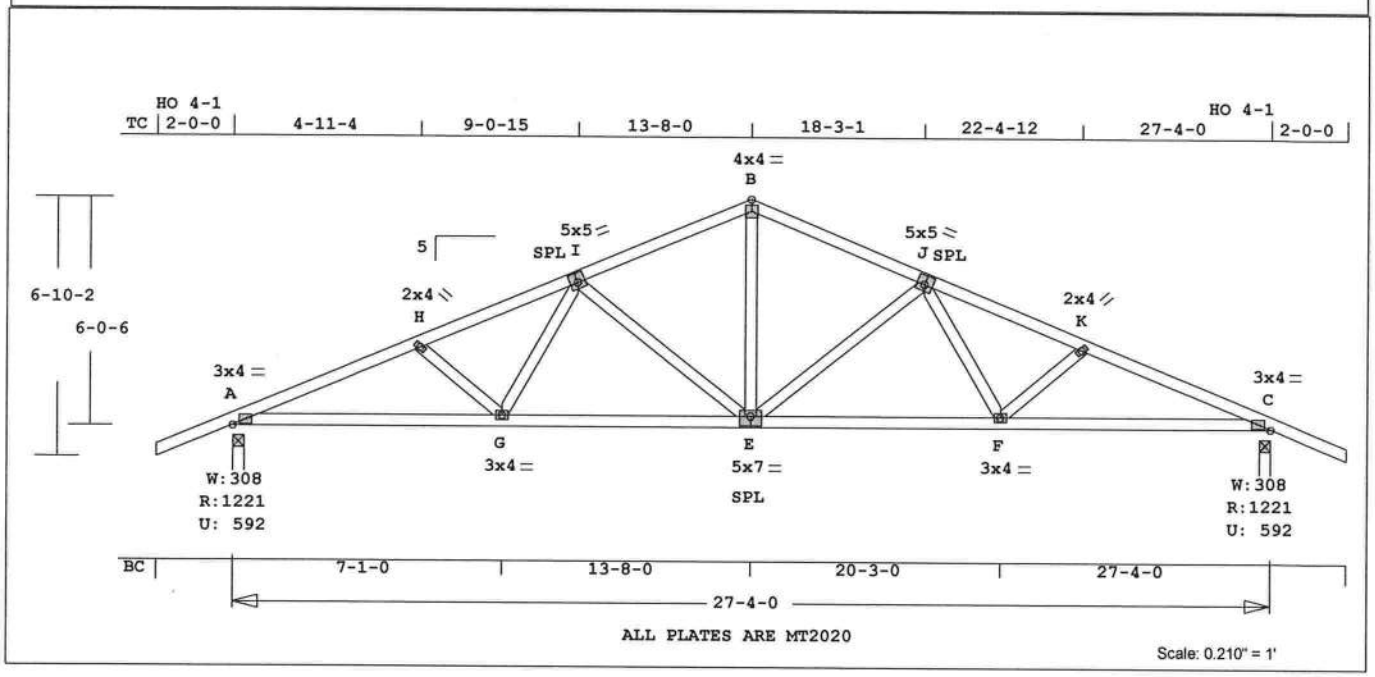
No bolts in 2x4s or smaller.
Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 10972 Lbs
Max tens. force 10137 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	C1	2	TR	270400	5	2- 0- 0	2- 0- 0	T3292427

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 174.0 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
BC	0.44	2x 4	SP-#2
WB	0.61	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	27- 4- 0
BC	Cont.	0- 0- 0	27- 4- 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	1221	592 U	119 R
C	1221	592 U	119 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 -H	0.56	2915 T	0.38	0.18
H -I	0.53	2794 T	0.36	0.17
I -B	0.43	2026 T	0.26	0.17
B -J	0.43	2026 T	0.26	0.17
J -K	0.53	2794 T	0.36	0.17
K -C	0.56	2915 T	0.38	0.18
--------Bottom Chords---------				
A -G	0.44	2595 C	0.34	0.10
G -E	0.42	2116 C	0.28	0.14
E -F	0.42	2116 C	0.28	0.14
F -C	0.44	2595 C	0.34	0.10
----------Webs----------				
H -G	0.04	312 T		
G -I	0.16	597 C		
I -E	0.28	743 T		
E -B	0.61	1240 C		
E -J	0.28	743 T		
J -F	0.16	597 C		
F -K	0.04	312 T		

TL Defl -0.20" in G -E L/999
LL Defl -0.09" in G -E L/999
Shear // Grain in I -B 0.19

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.96
H	MT20	2.0x 4.0	Ctr	Ctr	0.23
I	MT20	5.0x 5.0	-0.2	0.5	0.47
B	MT20	4.0x 4.0	Ctr	Ctr	0.59
J	MT20	5.0x 5.0	0.2	0.5	0.47
K	MT20	2.0x 4.0	Ctr	Ctr	0.23
C	MT20	3.0x 4.0	Ctr	Ctr	0.96
G	MT20	3.0x 4.0	Ctr	Ctr	0.30
E	MT20	5.0x 7.0	Ctr	-0.5	0.44
F	MT20	3.0x 4.0	Ctr	Ctr	0.30

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph

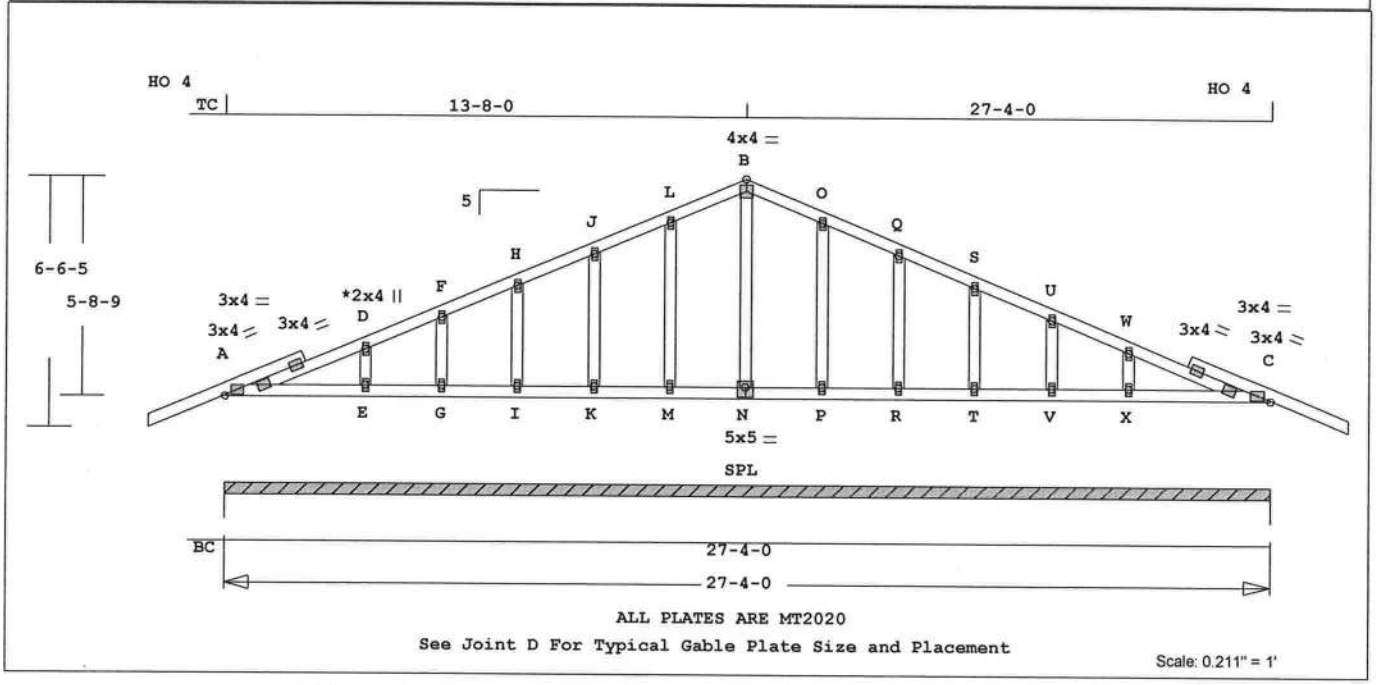
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 27- 4- 0
Max comp. force 2595 Lbs
Max tens. force 2915 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*C2GE*	1	TR	270400	5	0	0	*T3292428*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 181.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.07	2x 4	SP-#2
BC	0.09	2x 4	SP-#2
GW	0.04	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	27- 4- 0
BC	Cont.	0- 0- 0	27- 4- 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	2187	451 U	112 R

Jt	Brg Size	Required
A	328.0"	0"-to- 328"

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	0.07	76 C	0.00 0.07
D -F	0.07	91 C	0.00 0.07
F -H	0.04	86 T	0.01 0.03
H -J	0.04	142 T	0.01 0.03
J -L	0.06	197 T	0.02 0.04
L -B	0.07	250 T	0.03 0.04
B -O	0.07	250 T	0.03 0.04
O -Q	0.06	197 T	0.02 0.04
Q -S	0.04	142 T	0.01 0.03
S -U	0.04	86 T	0.01 0.03
U -W	0.07	91 C	0.00 0.07
W -C	0.07	76 C	0.00 0.07
--------Bottom Chords---------			
A -E	0.09	17 T	0.00 0.09
E -G	0.04	0 T	0.00 0.04
G -I	0.02	0 T	0.00 0.02
I -K	0.02	0 T	0.00 0.02
K -M	0.02	0 T	0.00 0.02
M -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 -V	0.02	0 T	0.00 0.02
V -X	0.04	0 T	0.00 0.04
X -C	0.09	17 T	0.00 0.09
----------Gable Webs----------			
E -D	0.02	200 T	
G -F	0.01	110 T	
I -H	0.01	125 T	
K -J	0.02	130 T	
M -L	0.04	201 T	
N -B	0.02	53 C	
P -O	0.04	201 T	
R -Q	0.02	130 T	
T -S	0.01	125 T	
V -U	0.01	110 T	
X -W	0.02	200 T	

TL Defl 0.00" in X -C L/999
LL Defl 0.00" in X -C L/999
Shear // Grain in A -D 0.11

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	0.54
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
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4.0	Ctr	Ctr	0.44
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
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 4.0	Ctr	Ctr	0.54
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
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	5.0x 5.0	Ctr	-0.5	0.39
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
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
X	MT20	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 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 176 Lbs
Max tens. force 250 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
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6904 Parke East Blvd
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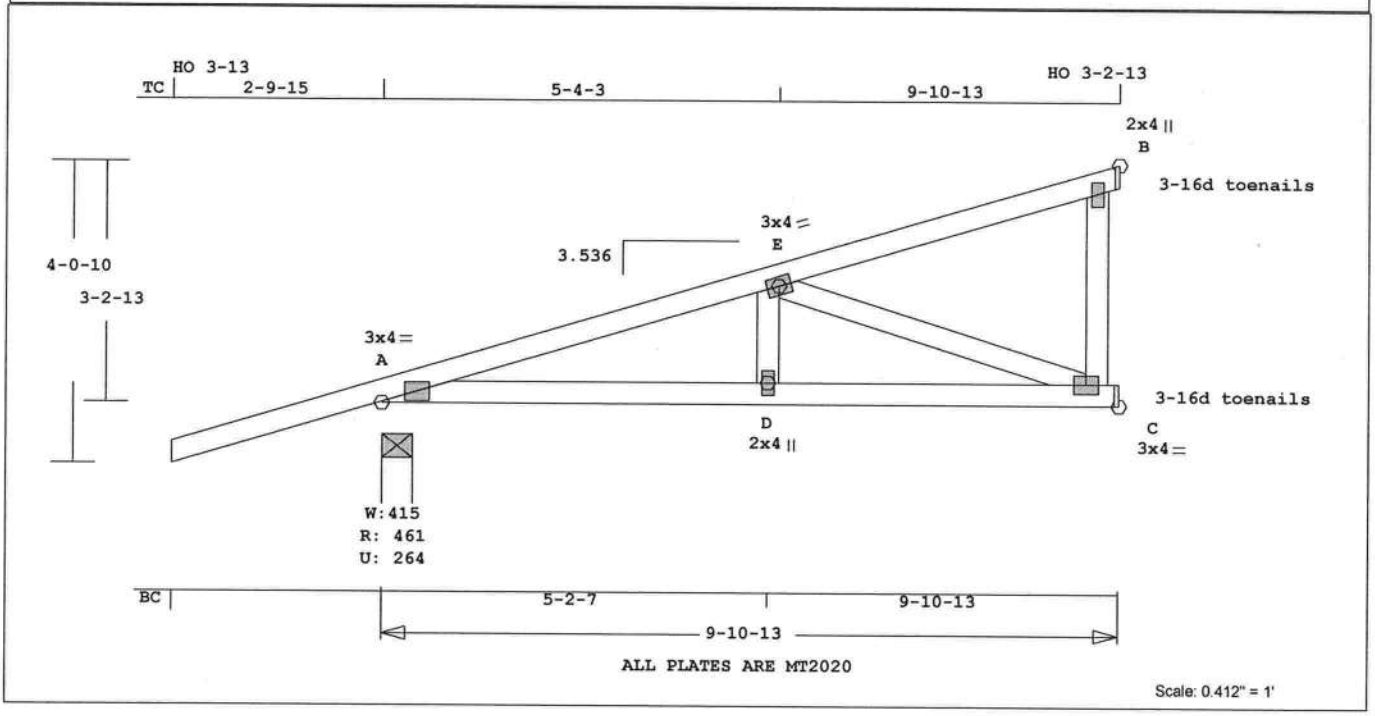
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	CJ1	5	MONO.DD	91013	3.536	2- 9-15	0	T3292429

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 59.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.48	2x 4	SP-#2
BC	0.27	2x 4	SP-#2
WB	0.24	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9-10-13
BC	Cont.	0- 0- 0	9-10-13

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	461	264 U	96 R
C	348	148 U	
B	238	105 U	125 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

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

plf -	Dead	Live*	From	To
TC V	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	0.48	1109 T	0.16	0.32
E -B	0.43	76 T	0.00	0.43
--------Bottom Chords---------				
A -D	0.24	1154 C	0.00	0.24
D -C	0.27	1154 C	0.08	0.19
----------Webs----------				
D -E	0.03	357 C		
E -C	0.24	1317 T		
C -B	0.04	0 T	WindLd	

TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in E -B 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	3.0x 4.0	Ctr	Ctr	0.58
E	MT20	3.0x 4.0	Ctr	Ctr	0.55
B	MT20	2.0x 4.0	Ctr	Ctr	0.12
D	MT20	2.0x 4.0	Ctr	Ctr	0.15
C	MT20	3.0x 4.0	Ctr	Ctr	0.59

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 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 9-10-13
Max comp. force 1154 Lbs
Max tens. force 1317 Lbs
Quality Control Factor 1.25

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Robbins Engineering
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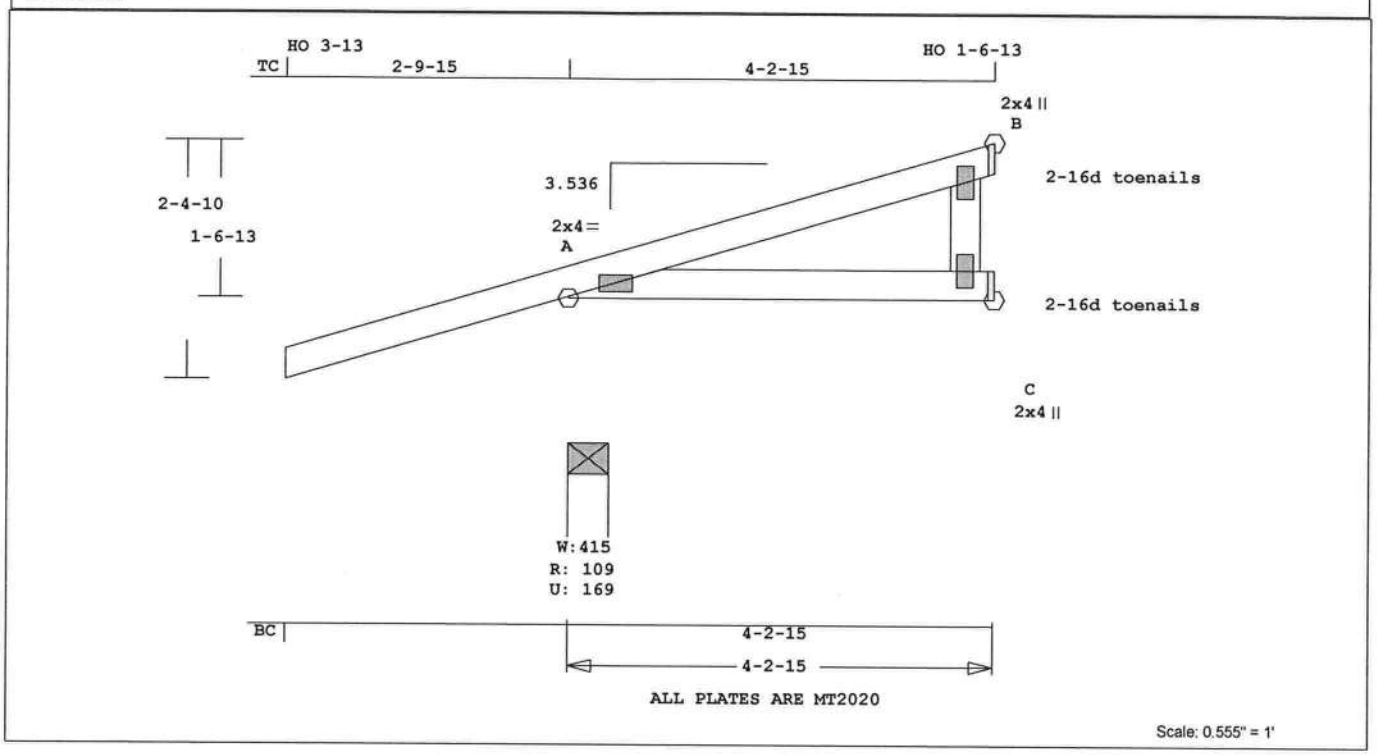
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	CJ2	2	MONO.DD	40215	3.536	2- 9-15	0	T3292430

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 23.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.20	2x 4	SP-#2
BC	0.26	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 2-15
BC	Cont.	0- 0- 0	4- 2-15

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	110	169 U	49 R
C	40	39 U	
B	58	31 U	30 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

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

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	4.2'
BC V	20	0	0.0'	4.2'
TC V	-20	-40	0.0'	
	-6	-12		4.2'
BC V	-20	0	0.0'	
	-6	0		4.2'

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	0.20	27 C	0.00 0.20
--------Bottom Chords---------			
A -C	0.26	40 T	0.00 0.26
----------Webs----------			
C -B	0.00	0 T	WindLd

TL Defl -0.01" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.20

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.76
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
C	MT20	2.0x 4.0	Ctr	Ctr	0.12

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack
Loading TC and BC
Setback 3- 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 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 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 4- 2-15
Max comp. force 30 Lbs
Max tens. force 40 Lbs
Quality Control Factor 1.25

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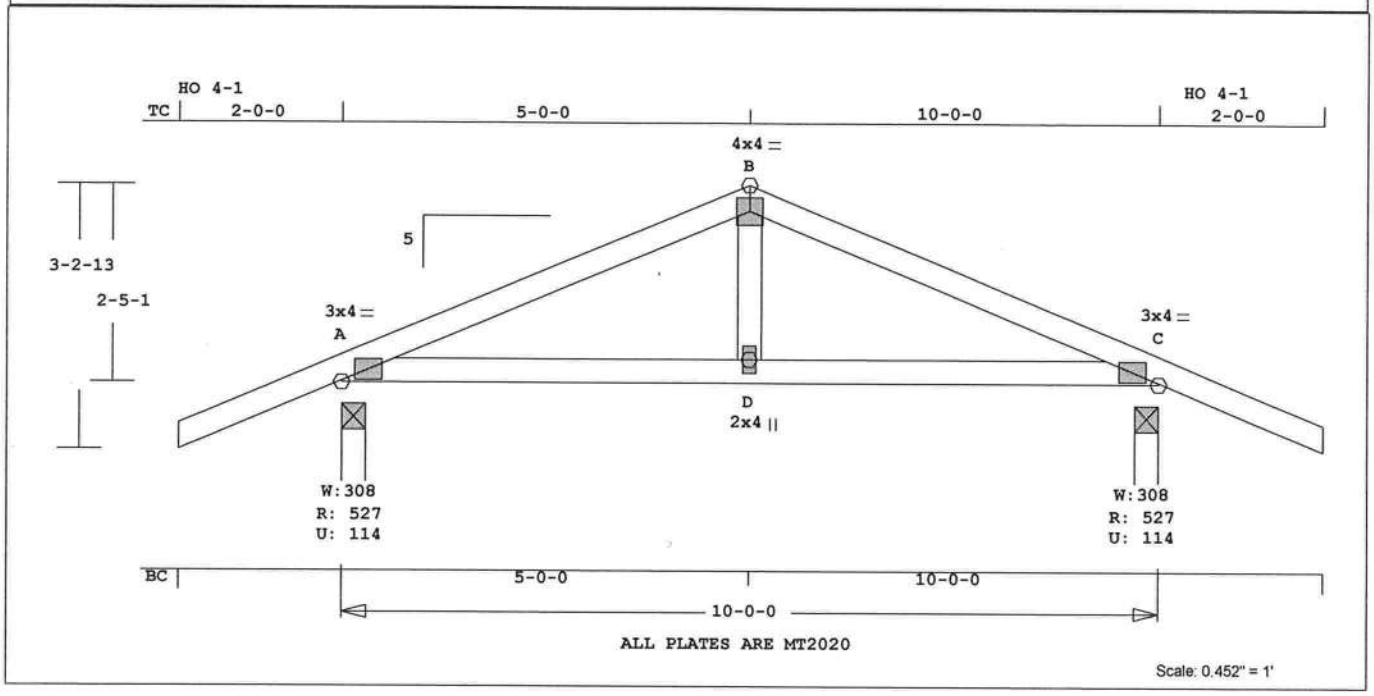
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	D1	6	TR	100000	5	2- 0- 0	2- 0- 0	T3292431

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 51.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.27	2x 4	SP-#2
BC	0.20	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	528	114 U	
C	528	114 U	

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.27	547 T	0.06	0.21
B -C	0.27	547 T	0.06	0.21
--------Bottom Chords---------				
A -D	0.20	504 T	0.08	0.12
D -C	0.20	504 T	0.08	0.12
----------Webs----------				
D -B	0.03	214 T		

TL Defl -0.03" in D -C L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in A -B 0.23

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.54
B	MT20	4.0x 4.0	Ctr	Ctr	0.44
C	MT20	3.0x 4.0	Ctr	Ctr	0.54
D	MT20	2.0x 4.0	Ctr	Ctr	0.14

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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

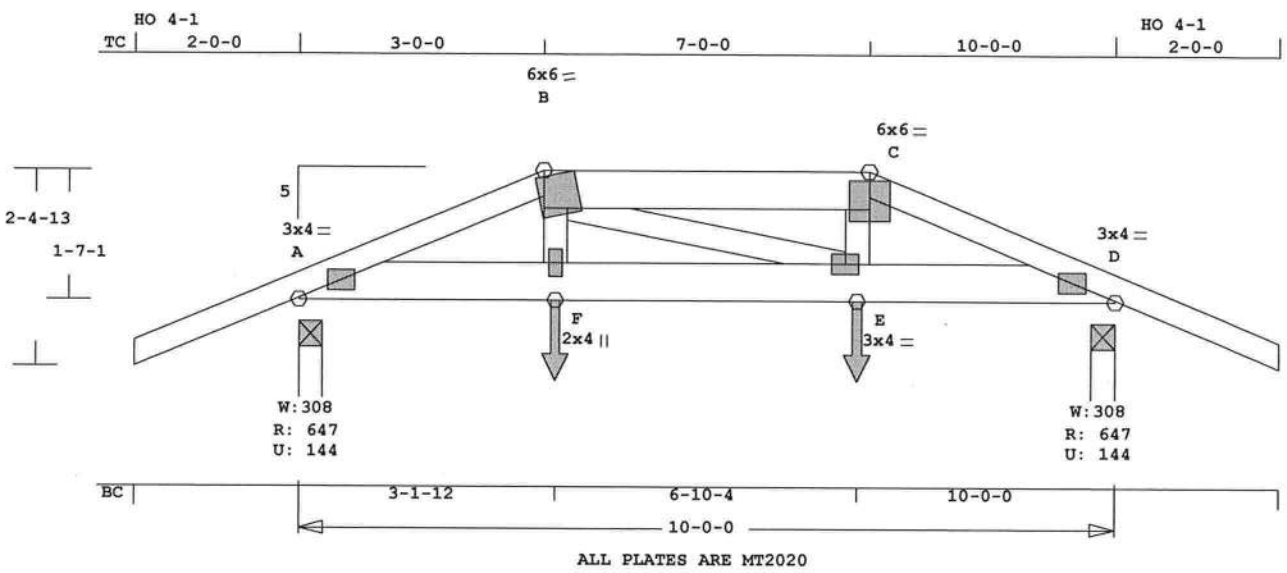
Max comp. force 544 Lbs
Max tens. force 547 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	D2GIR	1	HIPP	100000	5	2- 0- 0	2- 0- 0	T3292432

GONZALEZ



ALL PLATES ARE MT2020

Scale: 0.452" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 69.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
--	0.24	2x 6	SP-#2
	B -C		
BC	0.23	2x 6	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=1.00 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	647	145 U	
D	647	145 U	

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'	10.0'
BC V	20	0	0.0'	10.0'
TC V	5	10	3.0'	7.0'
BC V	5	0	3.1'	6.9'
BC V	40	40	3.1'	CL-LB
BC V	40	40	6.9'	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	0.22	935 C	0.13 0.09
B -C	0.24	1009 T	0.10 0.14
C -D	0.25	1045 C	0.14 0.11
--------Bottom Chords---------			
A -F	0.23	881 T	0.11 0.12
F -E	0.23	868 T	0.11 0.12
E -D	0.14	981 T	0.13 0.01
----------Webs----------			
F -B	0.02	144 T	
B -E	0.02	116 T	
E -C	0.03	205 T	

TL Defl -0.05" in F -E L/999
LL Defl -0.02" in F -E 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	3.0x 4.0	Ctr	Ctr	0.78
B	MT20	6.0x 6.0	2.2-3.5		0.93
C	MT20	6.0x 6.0	Ctr-0.5		0.43
D	MT20	3.0x 4.0	Ctr	Ctr	0.78
F	MT20	2.0x 4.0	Ctr	Ctr	0.13
E	MT20	3.0x 4.0	Ctr	Ctr	0.17

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 3- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02

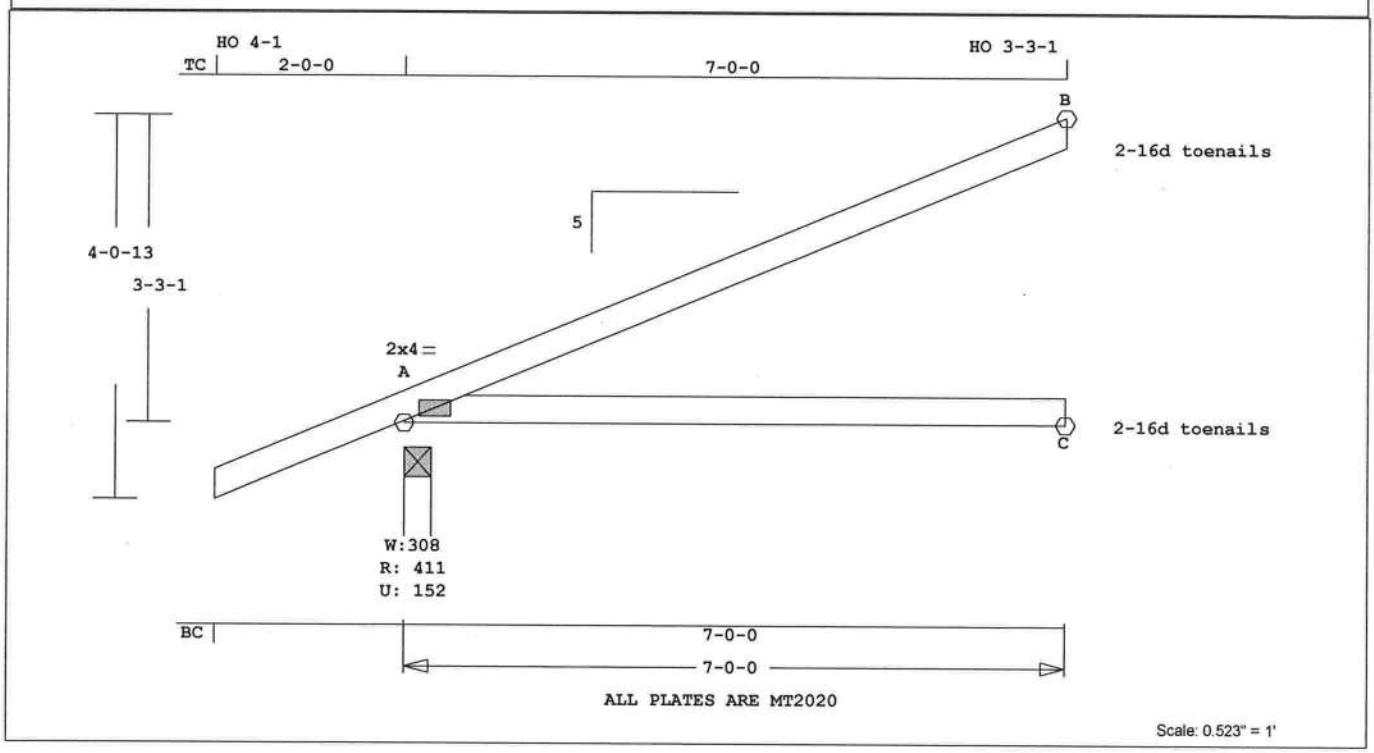
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1045 Lbs
Max tens. force 1032 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	J1	43	JCA2	70000	5	2- 0- 0	0	T3292433

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.80	2x 4	SP-#2
BC	0.81	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	411	153 U	284 R
C	131	61 U	
B	188	105 U	71 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.80	170 C	0.00 0.80
--------Bottom Chords---------			
A -C	0.81	0 T	0.00 0.81

TL Defl -0.18" in A -C L/427
LL Defl -0.07" in A -C L/999
Shear // Grain in A -B 0.37

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	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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 7- 0- 0
Max comp. force 170 Lbs
Max tens. force 44 Lbs
Quality Control Factor 1.25

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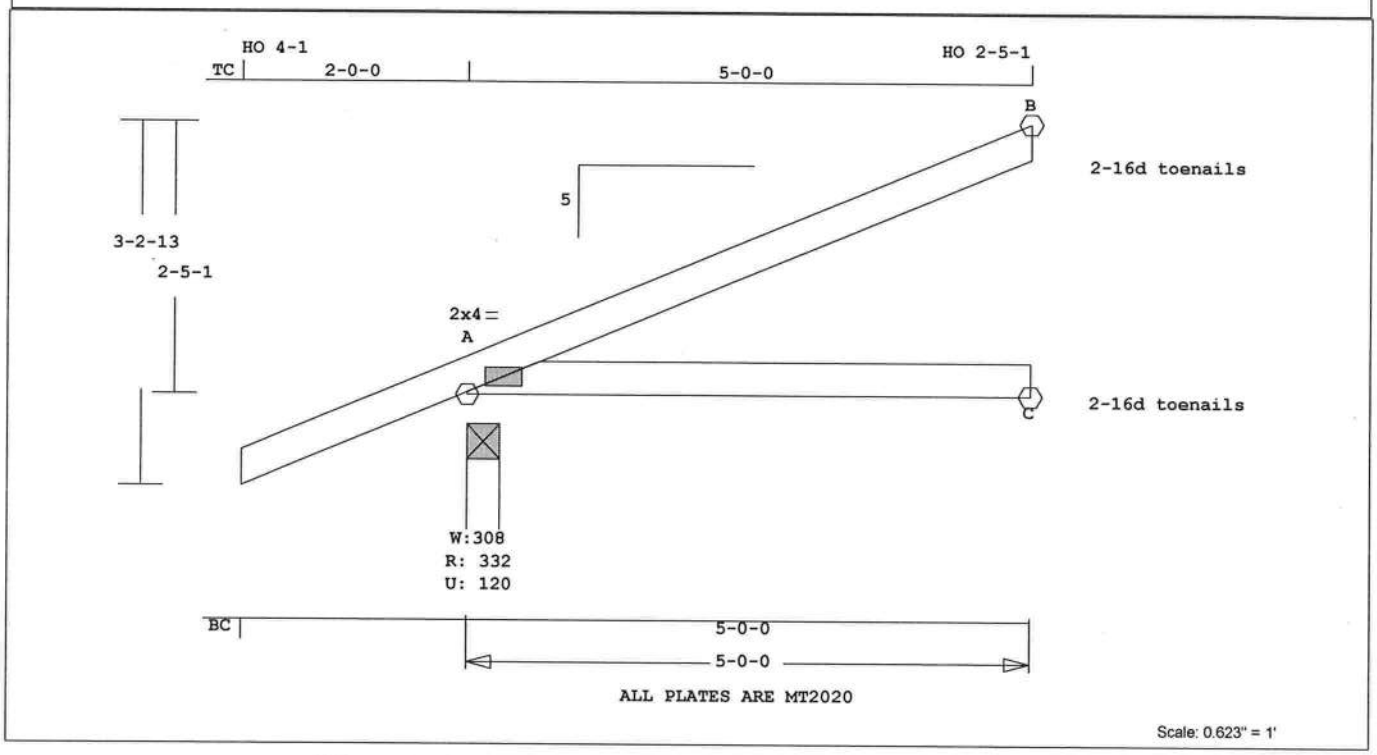
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*J2*	10	JCA2	50000	5	2- 0- 0	0	*T3292434*

GONZALEZ



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.0 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.48	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	333	120 U	236 R
C	93	44 U	
B	132	75 U	51 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.49	139 C	0.00 0.49
--------Bottom Chords---------			
A -C	0.48	0 T	0.00 0.48

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 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	2.0x 4.0	Ctr	Ctr	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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	5- 0- 0

Max comp. force 139 Lbs
Max tens. force 32 Lbs
Quality Control Factor 1.25

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Robbins Engineering
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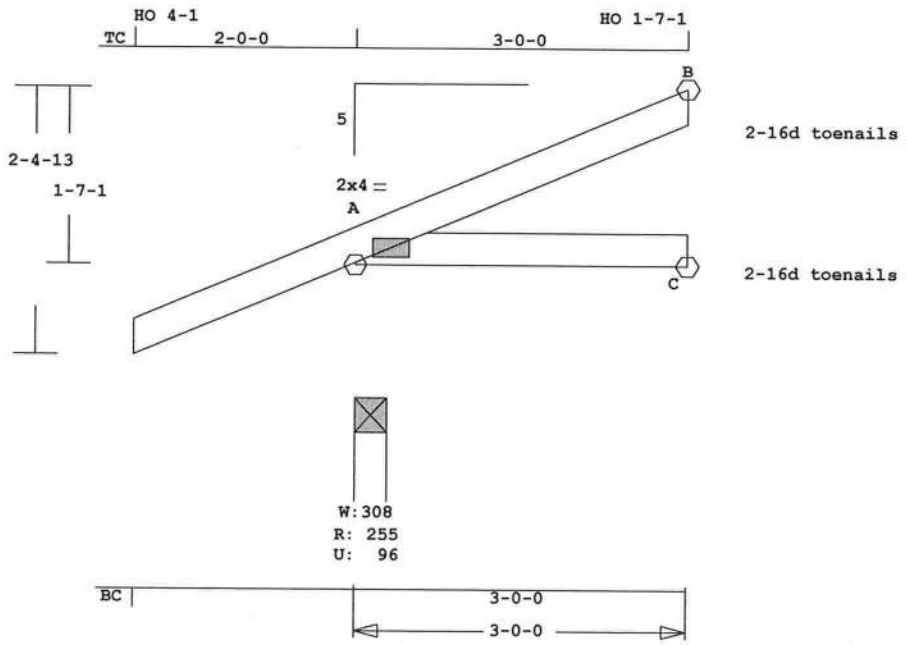
Tampa, FL, 33610
FL Cert.#5555

February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*J3*	13	JCA2	30000	5	2- 0- 0	0	*T3292435*

GONZALEZ



ALL PLATES ARE MT2020

Scale: 0.613" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 16.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.16	2x 4	SP-#2
BC	0.16	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	255	97 U	168 R
C	55	26 U	
B	77	44 U	30 R

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

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

Membr CSI P Lbs Axl-CSI-Bnd
----------Top Chords----------
A -B 0.16 84 C 0.00 0.16
--------Bottom Chords---------
A -C 0.16 0 T 0.00 0.16

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.17

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	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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 3- 0- 0
Max comp. force 84 Lbs
Max tens. force 19 Lbs
Quality Control Factor 1.25

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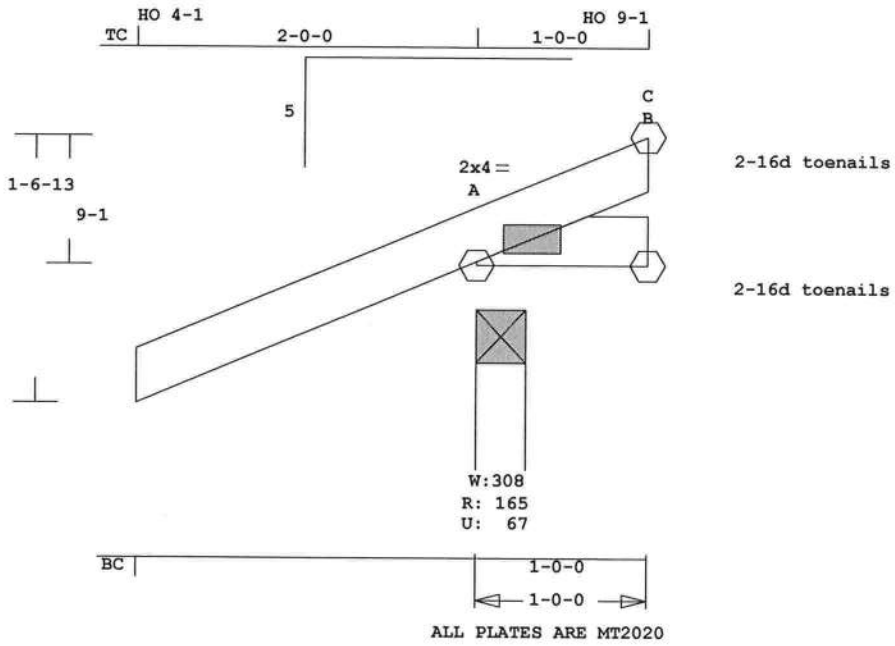
February 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BW-GONZALEZ	*J4*	14	JCA2	10000	5	2- 0- 0	0	*T3292436*

GONZALEZ



Scale: 0.946" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 8.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-FEB-09

	CSI	-Size-	----Lumber----
TC	0.02	2x 4	SP-#2
BC	0.02	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	165	68 U	56 R
B	26	15 U	
C	18	11 U	9 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.02	30 C	0.00 0.02
--------Bottom Chords---------			
A -C	0.02	9 T	0.00 0.02

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in B -B 0.06

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	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 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 1- 0- 0
Max comp. force 30 Lbs
Max tens. force 9 Lbs
Quality Control Factor 1.25

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February 25,2009

ROBBINS ENG. GENERAL NOTES & SYMBOLS

108

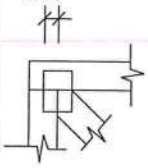
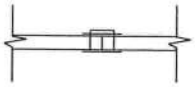


PLATE LOCATION

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.

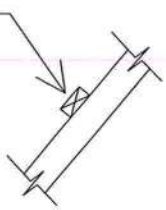
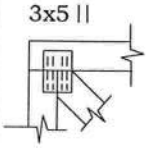


PLATE SIZE AND ORIENTATION

3x5 ||



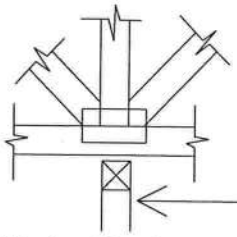
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI) 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.

Robbins Engineering, Inc.

6904 Parke East Blvd.
Tampa, Fl 33610-4115

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

www.robbinseng.com

TOWNSHIP 7 SOUTH, RANGE 16 EAST:
A TRACT OF LAND SITUATED IN SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT A CONCRETE MONUMENT AT THE NW CORNER OF THE S 1/2 OF THE NE 1/4 OF THE AFOREMENTIONED SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST FOR THE POINT OF REFERENCE; THENCE RUN S 00° 48' 26" E, ALONG THE WEST LINE OF SAID SOUTH 1/2 OF THE NE 1/4, A DISTANCE OF 575.59 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89° 07' 05" E A DISTANCE OF 1514.62 FEET TO A STEEL ROD AND CAP AND THE TRUE POINT OF BEGINNING; THENCE RUN S 00° 54' 56" E, A DISTANCE OF 575.21 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89° 07' 05" E, A DISTANCE OF 756.93 FEET TO A STEEL ROD AND CAP; THENCE RUN N 00°49'41" W, A DISTANCE OF 575.21 FEET TO A STEEL ROD AND CAP; THENCE RUN S 89°07'05" W, A DISTANCE OF 757.81 FEET TO THE TRUE POINT OF BEGINNING. (ALSO KNOWN AS PARCEL 6, PLEASANT HILL FARMS, AN UNRECORDED SUBDIVISION).

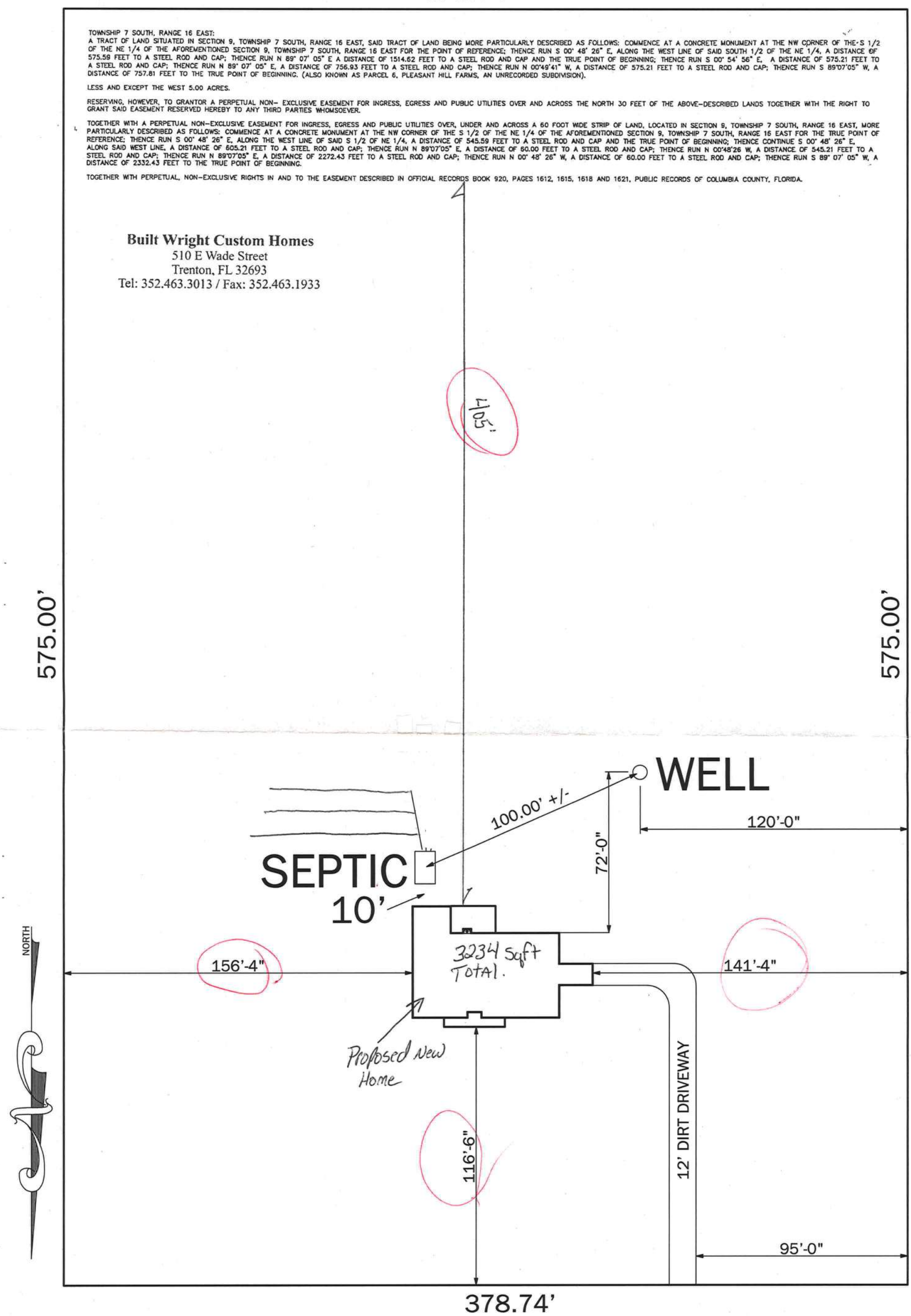
LESS AND EXCEPT THE WEST 5.00 ACRES.

RESERVING, HOWEVER, TO GRANTOR A PERPETUAL NON- EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER AND ACROSS THE NORTH 30 FEET OF THE ABOVE-DESCRIBED LANDS TOGETHER WITH THE RIGHT TO GRANT SAID EASEMENT RESERVED HEREBY TO ANY THIRD PARTIES WHOMSOEVER.

TOGETHER WITH A PERPETUAL NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER, UNDER AND ACROSS A 60 FOOT WIDE STRIP OF LAND, LOCATED IN SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT A CONCRETE MONUMENT AT THE NW CORNER OF THE S 1/2 OF THE NE 1/4 OF THE AFOREMENTIONED SECTION 9, TOWNSHIP 7 SOUTH, RANGE 16 EAST FOR THE TRUE POINT OF REFERENCE; THENCE RUN S 00° 48' 26" E, ALONG THE WEST LINE OF SAID S 1/2 OF NE 1/4, A DISTANCE OF 545.59 FEET TO A STEEL ROD AND CAP AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE S 00° 48' 26" E, ALONG SAID WEST LINE, A DISTANCE OF 605.21 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89°07'05" E, A DISTANCE OF 60.00 FEET TO A STEEL ROD AND CAP; THENCE RUN N 00°48'26 W, A DISTANCE OF 545.21 FEET TO A STEEL ROD AND CAP; THENCE RUN N 89°07'05" E, A DISTANCE OF 2272.43 FEET TO A STEEL ROD AND CAP; THENCE RUN N 00° 48' 26" W, A DISTANCE OF 60.00 FEET TO A STEEL ROD AND CAP; THENCE RUN S 89° 07' 05" W, A DISTANCE OF 2332.43 FEET TO THE TRUE POINT OF BEGINNING.

TOGETHER WITH PERPETUAL, NON-EXCLUSIVE RIGHTS IN AND TO THE EASEMENT DESCRIBED IN OFFICIAL RECORDS BOOK 920, PAGES 1612, 1615, 1618 AND 1621, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

Built Wright Custom Homes
510 E Wade Street
Trenton, FL 32693
Tel: 352.463.3013 / Fax: 352.463.1933



S.W. PLEASANT HILL GLEN

100 0 50 100 200
GRAPHIC SCALE

Notice of Treatment 42288

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 116 NW 16 AVE
City GVILLE Phone 376-2601

Site Location: Subdivision
Lot # Block# Permit # 27682
Address 4 64 SW pleASant Hill Ft white

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

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Final		265	53

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

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

8-31-9 — Date
3:20 — Time
Edwin — Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 114 NW 18 AVE
City Gville Phone 376-2661

Site Location: Subdivision
Lot # Block# Permit # #27682
Address 464 SW pleasant Hill Fwhite

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

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
M/B	3242	314	235
Garage			
porches			

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

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

4-23-9	10:41	Edwin
Date	Time	Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

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