DATE 09/15/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027338

APPLICANT PHILIP EVANS PHONE 352.332.8806

ADDRESS 2830 NW 143RD TERRACE NEWBERRY FL 32669

OWNER HOWARD & JUANITA SINGLETON PHONE 386.454.8285

ADDRESS 511 SE WATERLEAF DRIVE LAKE CITY FL 32024

CONTRACTOR PHILIP EVANS PHONE 352.494.3545

LOCATION OF PROPERTY 41/441 TO C-18,TL TO WATERLEAF,TR AND 2 1/2 MILES TO SITE ON L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 187100.00

HEATED FLOOR AREA 2619.00 TOTAL AREA 3742.00 HEIGHT 24.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

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

PARCEL ID 24-6S-17-09769-006 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 14.63

		CGC1505970	Philip D Evans	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
PRIVATE	08-604-N	BLK	WR	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: 1 FOOT ABOVE ROAD. NOC ON FILE.

Check # or Cash 2835

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

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

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

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

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 940.00 CERTIFICATION FEE $ 18.71 SURCHARGE FEE $ 18.71

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** 1052.42

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Permit Number:_____

Tax Folio Number: **R09769-003**

State of: **Florida**
County of: **Alachua**

File Number: **GV08-1068**

Inst:200812015211 Date:8/15/2008 Time:12:40 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1156 P:1650

NOTICE OF COMMENCEMENT

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

1. Description of Property:
   Tax I.D.#R09769-006 (OR.1056/2704, OR.999/1017, & OR.981/341)
   See attached Exhibit A

2. General Description of Improvements: Single Family Residence

3. Owner Information:
   a. Name and Address: Howard J. and Juanita R. Singleton
      21612 NW 214th Terrace, High Springs, FL 32643

   b. Interest in property: Fee Simple

   c. Names and address of fee simple title holder (if other than owner):

4. Contractor: Evans Building & Design, Inc.

5. Surety: N/A

6. Lender: Alarion Bank, One NE 1st Avenue, Suite 400, Ocala, Florida 34470

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1) (a)7., Florida Statutes.

8. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

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

Howard J. Singleton

Howard J. Singleton

Juanita R. Singleton

Juanita R. Singleton

Sworn to and subscribed before me August 13, 2008 by who provided drivers licenses as identification.

Notary Public
My Commission Expires:_____

Notary Public State of Florida
Beverly K Smith
My Commission DD497767
Expires 02/24/2010

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Sharon Feagle
Deputy Clerk
Date 08-15-2008

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

Exhibit "A"

Tax I.D.#R09769-006 (OR.1056/2704, OR.999/1017, & OR.981/341)

SECTION 24, TOWNSHIP 6 SOUTH, RANGE 17 EAST
Commence at the Southeast corner of the East of the Southwest of said Section 24, and run North 01 degree 26 minutes 27 seconds West along the East line of said East of Southwest of Section 24, a distance of 635.39 feet to the POINT OF BEGINNING of the hereinafter described parcel of land; Thence run South 87° 53 minutes 06 seconds West a distance of 1,098.91 feet; Thence run North 39° 06 minutes 42 seconds West, a distance of 285.66 feet; Thence run North 89° 18 minutes 06 seconds West a distance of 50.04 feet to the intersection with the West line of said East of Southwest of Section 24; Thence run North 01 degree 35 minutes 32 seconds West along said West line of the East of Southwest of Section 24, a distance of 302.35 feet; Thence run North 87° 53 minutes 06 seconds East a distance of 1,179.20 feet to the intersection with the Westerly right-of-way line of Interstate Highway Number 75 (A 300 foot right-of-way); Thence run South 17° 19 minutes 11 seconds East, along said Westerly right-of-way line, a distance of 530.31 feet to the intersection with said East line of the East of Southwest of Section 24; Thence run South 01 degree 26 minutes 27 seconds East along said East line of the East of Southwest of Section 24, a distance of 21.20 feet to the POINT OF BEGINNING.

TOGETHER WITH: A non-exclusive easement of ingress, egress and public utilities, over and across the following described parcel of land:
Commence at the Point of Intersection of the Southerly right-of-way line of County Road Number 18 and the aforesaid West line of the East of Southwest of Section 24, said point of intersection lying on the arc of a curve, concave Southwesterly, for the POINT OF BEGINNING of the hereinafter described Easement; Thence run Southeasterly, along said Southerly right-of-way line of County Road Number 18, a distance of 60.26 feet as measured along the arc of a curve concave Southwesterly and having a radius of 2,814.93 feet, said arc being subtended by a chord having a bearing of South 86° 17 minutes 26 seconds East a distance of 60.26 feet; Thence run South 01° 35 minutes 32 seconds East a distance of 733.34 feet; Thence run South 30° 34 minutes 01 seconds East a distance of 198.76 feet; Thence run South 23° 45 minutes 14 seconds West a distance of 224.92 feet; Thence run South 01 degree 35 minutes 32 seconds East a distance of 541.83 feet; Thence run Southeasterly, Southerly and Southwesterly, a distance of 147.01 feet as measured along the arc of a concave Westerly, and having a radius of 50.00 feet, said arc being subtended by a chord having a bearing of South 04° 10 minutes 35 seconds West and a distance of 99.49 feet to the Point of Tangency; Thence run South 88° 24 minutes 28 seconds West a distance of 50.00 feet to the intersection with said West line of the East of Southwest of Section 24; Thence run North 01 degree 35 minutes 32 seconds West, along said West line of the East of the Southwest of Section 24, a distance of 1,756.87 feet to the POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

2835 - Permit
2836 - impact

Columbia County Building Permit Application

For Office Use Only Application # 0809-02 Date Received 9/2/08 By G Permit # 27338

Zoning Official BLK Date 09.09.08 Flood Zone X per Surveyor Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1 ft above Rd River N/A Plans Examiner WD Date 9/5/08

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 $29.88 Fire $78.63 Corr $409.16 Road/Code $1,046.00 /210

School $1,500.00 = TOTAL $3,063.67

Septic Permit No. Fax (352) 332-8806

Name Authorized Person Signing Permit Philip Evans Phone (352) 494-3545 ✓

Address 2830 NW 143rd Terr. Newberry FL 32669

Owners Name Howard + Juanita Singleton Phone (386) 454-8285

911 Address 511 SE Waterleaf Dr. Lake City FL 32024

Contractors Name Evans Building + Design Phone (352) 494-3545

Address 14260 W. Newberry Rd. #327 Newberry FL

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Mark Disosway, Lake City, FL

Mortgage Lenders Name & Address Alarion Bank Gainesville, FL

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

Property ID Number #R09769-006 24-6S-17 Estimated Cost of Construction 300,000.00

Subdivision Name Lot ___ Block ___ Unit ___ Phase ___

Driving Directions From Lake City, I-75 S to 441 Exit, go south on 441. Make Left on to (18) E, go ≈ 2-3 miles, turn rt. on Waterleaf Dr., follow Rd ≈ ½ mile, project on left.

Number of Existing Dwellings on Property none

Construction of single family dwelling Total Acreage 14.63 Lot Size

Do you need a - Culvert Permit or (Private) or Have an Existing Drive Total Building Height 24'

Actual Distance of Structure from Property Lines - Front 200' Side 236' Side 200' Rear 930'

Number of Stories 1 Heated Floor Area 2619 Total Floor Area 3742 Roof Pitch 7/12

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

Spoke to Phillip Evans

Columbia County Building Permit Application

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

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.

Joanne R. Singleton

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.

Philip O Evans

Contractor's Signature (Permitee)

Contractor's License Number CGC1505970
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 21 **day of** August **20**08.

Personally known ✓ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL:

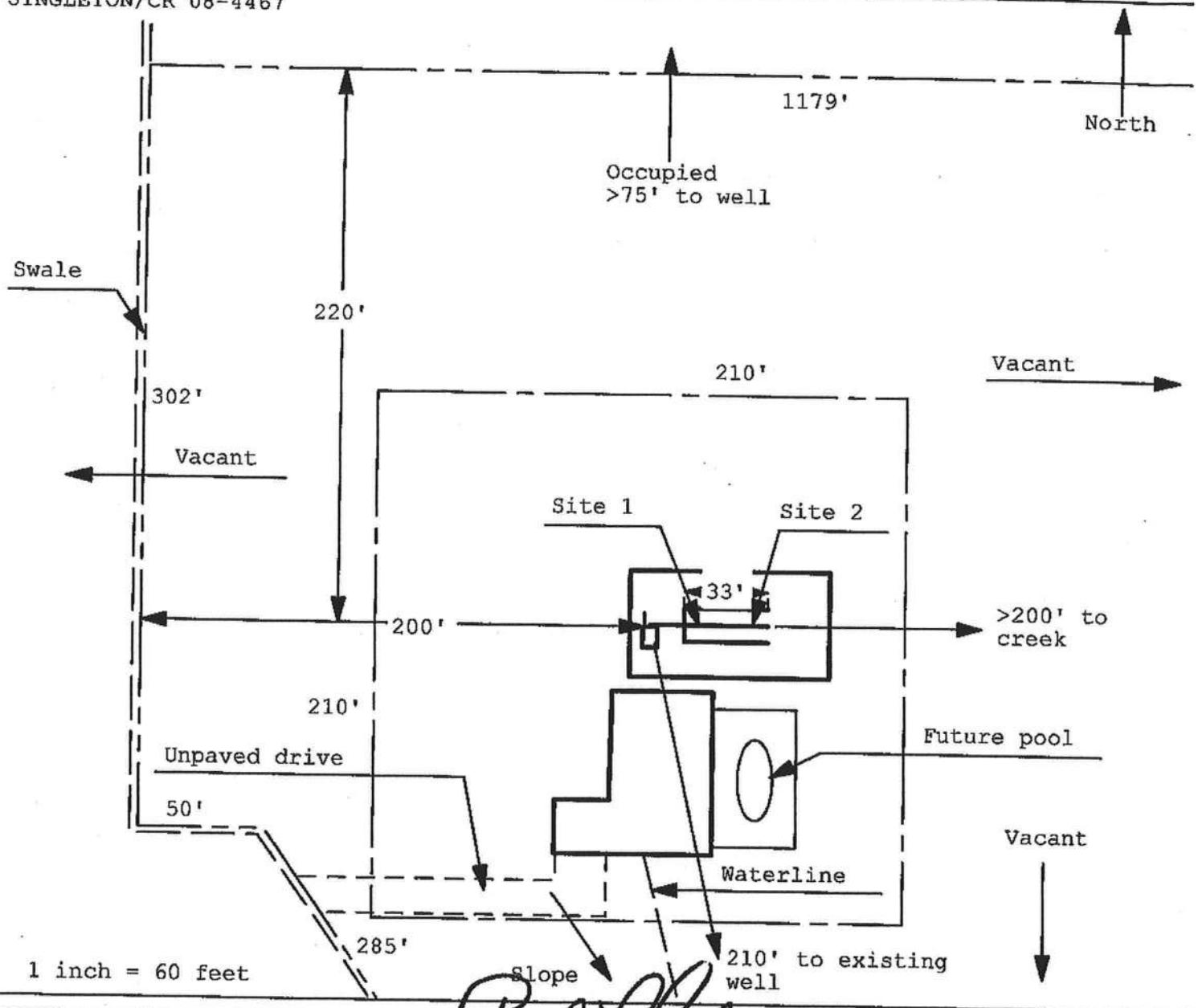
DANIEL N. COURSON
MY COMMISSION # DD 613382
EXPIRES: November 11, 2010
Bonded Thru Notary Public Underwriters

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

Permit Application Number: 08-604-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

SINGLETON/CR 08-4467



Site Plan Submitted By Paul Lloyd **Date** 8/29/08

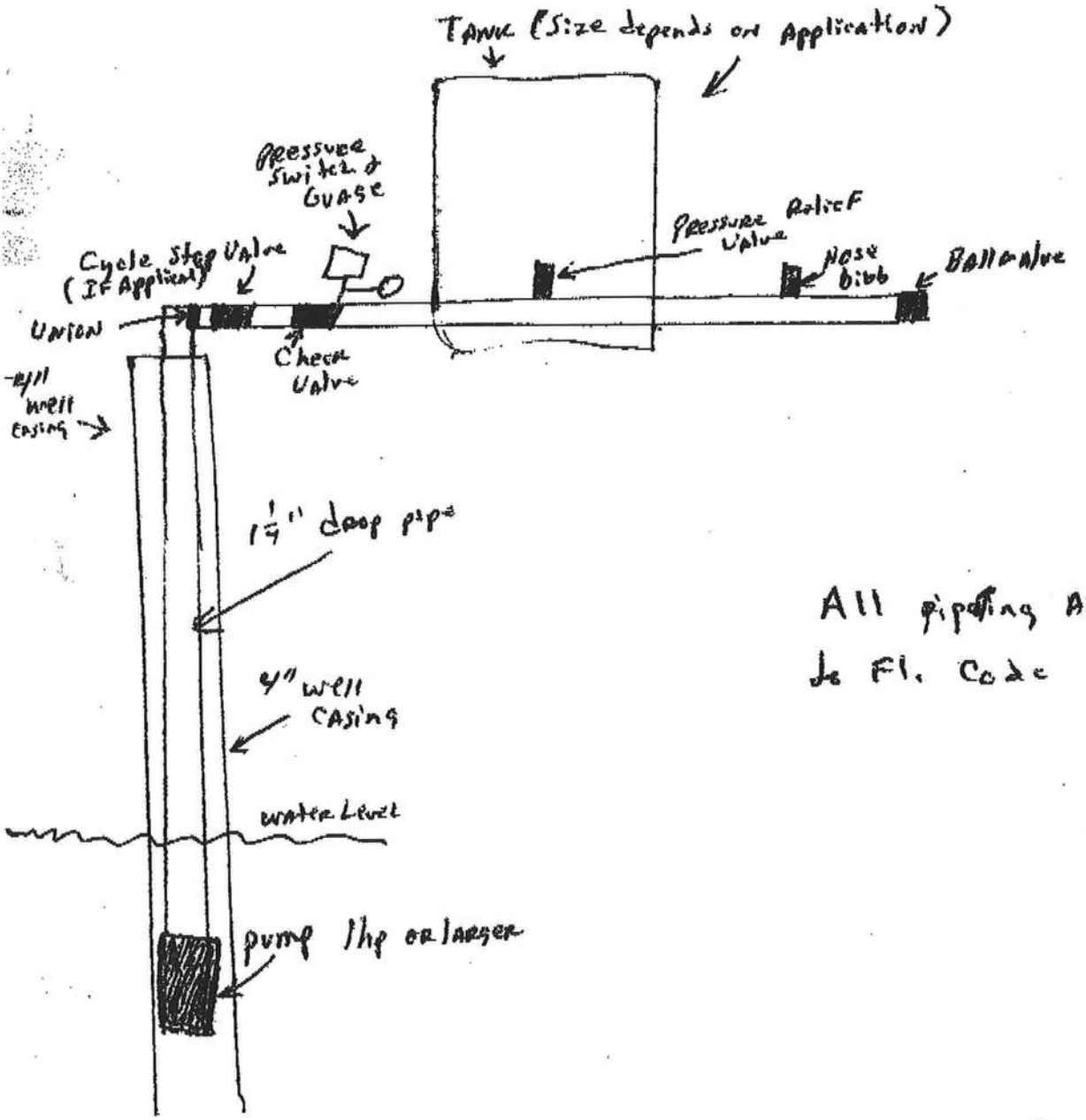
Plan Approved ✓ **Not Approved** ____ **Date** 9/9/08

By Mona Sanders Columbia **CPHU**

Notes:

NORTH FLORIDA
WATER SYSTEMS, INC.
11814 N.W. 202nd ST.
ALACHUA, FLORIDA 32615

Columbia County well diagram



All piping and wiring to Fl. Code

DRAWN by Robert Mimellan

Ph # 386 462-7867

NORTH FLORIDA
WATER SYSTEMS, INC.
11814 N.W. 202nd ST.
ALACHUA, FLORIDA 32615

North Florida Water Systems Inc. will Install per Florida Building Code

4" well

1hp pump or larger, tank, 1½" sch #80 Pvc drop pipe and All fittings

Robert C Miranda

PL # 386-462-7802

FAX # 386-418-0732

NONE

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	14.600 AC	1.00/1.00/1.00/1.00	$5,700.00	$83,220.00

Columbia County Property Appraiser DB Last Updated: 8/5/2008

1 of 1

Disclaimer

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

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

Scroll to Top

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

Parcel: 24-6S-17-09769-006

2008 Proposed Values

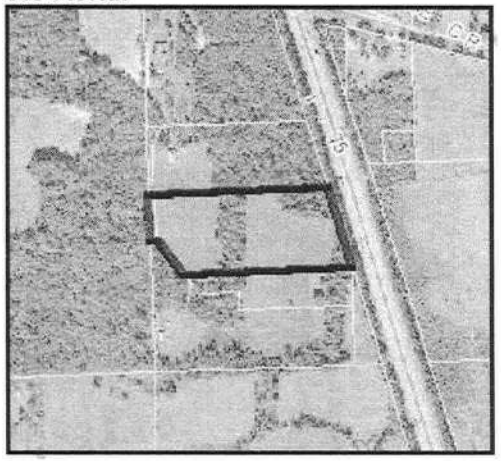
Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	SINGLETON HOWARD J & JUANITA R		
Site Address			
Mailing Address	113 OLD LINE DR ELKTON, MD 219211742		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	24617.00	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	14.600 ACRES		
Description	COMM SE COR OF E1/2 OF SW1/4, RUN N 635.39 FT FOR POB, RUN W 1098.91 FT, NW 39 DEG 285.66 FT, W 50.04 FT, N 302.35 FT, E 1179.20 FT TO W R/W I-75, SE 17 DEG ALONG R/W 530.31 FT, S 21.20 FT TO POB. ORB 894-131, CT 981-341, WD 999-1017, WD 1056-2704,		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	$83,220.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$83,220.00

Just Value	$83,220.00
Class Value	$0.00
Assessed Value	$83,220.00
Exempt Value	$0.00
Total Taxable Value	$83,220.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
8/31/2005	1056/2704	WD	V	Q		$140,000.00
10/28/2003	999/1017	WD	V	Q		$52,300.00
4/9/2003	981/341	CT	V	U	01	$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value

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: 8/20/2008 **DATE ISSUED:** 8/26/2008

ENHANCED 9-1-1 ADDRESS:

511 SE WATERLEAF DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

24-6S-17-09769-006

Remarks:

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1270

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

EVANS, PHILIP DUNCAN
EVANS BUILDING & DESIGN INC
POST OFFICE BOX 1899
HIGH SPRINGS FL 32655

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto **www.myfloridalicense.com**. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

AC# 3858363

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CGC1505970 07/16/08 088009466

CERTIFIED GENERAL CONTRACTOR
EVANS, PHILIP DUNCAN
EVANS BUILDING & DESIGN INC

IS CERTIFIED under the provisions of Ch.489 FS
Expiration date: AUG 31, 2010 L08071600810

DETACH HERE

AC# 3858363

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L08071600810

DATE	BATCH NUMBER	LICENSE NBR
07/16/2008	088009466	CGC1505970

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

EVANS, PHILIP DUNCAN
EVANS BUILDING & DESIGN INC
3310 S EAST 28TH AVENUE
HIGH SPRINGS FL 32655

CHARLIE CRIST
GOVERNOR

CHUCK DRAGO
INTERIM SECRETARY

DISPLAY AS REQUIRED BY LAW

FORM 600A-2004R

EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	SINGLETON	Builder:	EVANS BUILDING & DESIGN
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	North		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	2619 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor:	Description Area	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 371.0 ft²	
b.	SHGC:		
	(or Clear or Tint DEFAULT) 7b.	(Clear) 371.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 203.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Concrete, Int Insul, Exterior	R=5.0, 1640.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 342.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Single Assembly	R=19.0, 2619.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 355.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 48.0 kBtu/hr SEER: 15.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 47.5 kBtu/hr HSPF: 9.00	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Natural Gas	Cap: 1.0 gallons EF: 0.66	
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: 0.14 Total as-built points: 26124
Total base points: 32564 PASS

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

PREPARED BY:

DATE:

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

OWNER/AGENT:

DATE:

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

BUILDING OFFICIAL:

DATE:

EnergyGauge® (Version: 4.5.0.0)

FORM 600A-2004R

EnergyGauge® 4.5

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, all 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.	
Walls/Floors	[illegible]	[illegible]	
Additional infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

(All of the [illegible] practices listed below must be met or exceeded by all [illegible].)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
		[illegible]	
Swimming Pools & Spas	612.1	[illegible] provided (electric) or cutoff (gas) must be provided. External or built-in heat trap required. Spas & heated pools must have covers (except solar heated). Non-commercial pools [illegible]	
		[illegible]	
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 return chambers shall be mechanically [illegible]	
		[illegible]	
HVAC Controls	607.1	Ducts in unconditioned attics: R-6 min. insulation. Separate readily accessible manual or automatic thermostat for each system.	
		[illegible]	
		Common ceiling & floors R-11.	

FORM 600A-2004R

EnergyGauge® 4.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**23408.2**	**Winter As-Built Points:**					**26234.9**
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 47500 btuh ,EFF(9.0) Ducts:Con(S),Con(R),Int(AH),R6.0					
23408.2	0.5540	12968.2	26234.9	1.000	(1.000 x 1.169 x 0.93)	0.379	1.000	10806.6
			26234.9	**1.00**	**1.087**	**0.379**	**1.000**	**10806.6**

FORM 600A-2004R

EnergyGauge® 4.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2619.0	20.17	9508.0	1.Double, Clear	E	2.0	6.0	74.0	18.79	1.06	1474.0
				2.Double, Clear	S	2.0	6.0	41.0	13.30	1.26	686.0
				3.Double, Clear	W	2.0	6.0	172.0	20.73	1.04	3717.0
				4.Double, Clear	N	2.0	6.0	64.0	24.56	1.00	2074.0
				As-Built Total:				371.0			7951.0
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Adjacent	342.0	3.60	1231.2	1. Concrete, Int Insul, Exterior			5.0	1640.0	5.70		9348.0
Exterior	1640.0	3.70	6066.0	2. Frame, Wood, Adjacent			13.0	342.0	3.30		1128.6
Base Total:	1982.0		7298.2	As-Built Total:				1982.0			10476.6
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points
Adjacent	18.0	11.50	207.0	1.Exterior Insulated				62.0	8.40		520.8
Exterior	62.0	12.30	762.6	2.Adjacent Insulated				18.0	8.00		144.0
Base Total:	80.0		969.6	As-Built Total:				80.0			664.8
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points
Under Attic	2619.0	2.05	5368.9	1. Single Assembly			19.0	2619.0	1.86 X 1.00		4871.3
Base Total:	2619.0		5368.9	As-Built Total:				2619.0			4871.3
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Slab	203.0(p)	8.9	1806.7	1. Slab-On-Grade Edge Insulation			0.0	203.0(p	18.80		3816.4
Raised	0.0	0.00	0.0								
Base Total:			1806.7	As-Built Total:				203.0			3816.4
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points
	2619.0	-0.59	-1545.2					2619.0	-0.59		-1545.2

FORM 600A-2004R

EnergyGauge® 4.5

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT						
Summer Base Points: 35972.7			Summer As-Built Points: 46134.7						
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	
35972.7	0.3260	11691.1	Sys 1: Central Unit 46000btuh ,SEER/EFF(15.0) Ducts:Con(S),Con(R),Int(AH),R8.0(INS)						
			46136 46134.7	1.00 1.00	(1.00 x 1.147 x 0.91) 1.044	0.228 0.226	1.000 1.000	10956.7 10956.7	

FORM 600A-2004R

EnergyGauge® 4.5

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	2619.0	18.69	8784.0	1.Double, Clear	E	2.0	6.0	74.0	42.06	0.85	2639.0
				2.Double, Clear	S	2.0	6.0	41.0	35.87	0.78	1141.0
				3.Double, Clear	W	2.0	6.0	172.0	38.52	0.85	5628.0
				4.Double, Clear	N	2.0	6.0	84.0	19.20	0.90	1451.0
				As-Built Total:				371.0			10859.0
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM	=	Points
Adjacent	342.0	0.70	239.4	1. Concrete, Int Insul, Exterior			5.0	1640.0	1.00		1640.0
Exterior	1640.0	1.70	2788.0	2. Frame, Wood, Adjacent			13.0	342.0	0.60		205.2
Base Total:	1982.0		3027.4	As-Built Total:				1982.0			1845.2
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM	=	Points
Adjacent	18.0	2.40	43.2	1.Exterior Insulated				62.0	4.10		254.2
Exterior	62.0	6.10	378.2	2.Adjacent Insulated				18.0	1.60		28.8
Base Total:	80.0		421.4	As-Built Total:				80.0			283.0
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM	=	Points
Under Attic	2619.0	1.73	4530.9	1. Single Assembly			19.0	2619.0	5.64 X 1.00		14771.2
Base Total:	2619.0		4530.9	As-Built Total:				2619.0			14771.2
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM	=	Points
Slab	203.0(ft)	37.0	7511.0	1. Slab-On-Grade Edge Insulation			0.0	203.0/a	41.20		8363.6
Raised	0.0	0.00	0.0								
Base Total:			7511.0	As-Built Total:				203.0			8363.6
INFILTRATION	Area X	BSPM =	Points					Area X	SPM	=	Points
	2619.0	10.21	26740.0					2619.0	10.21		26740.0

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.5

The higher the score, the more efficient the home.

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 48.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 15.00
4.	Number of Bedrooms	3			b. N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	2619 ft²			c. N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 371.0 ft²			a. Electric Heat Pump	Cap: 47.5 kBtu/hr
	b. SHGC:					HSPF: 9.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 371.0 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 203.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Natural Gas	Cap: 1.0 gallons
	a. Concrete, Int Insul, Exterior	R=5.0, 1640.0 ft²				EF: 0.66
	b. Frame, Wood, Adjacent	R=13.0, 342.0 ft²			b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Single Assembly	R=19.0, 2619.0 ft²		15.	HVAC credits	
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 355.0 ft			MZ-C-Multizone cooling,	
	b. N/A				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 page 1&2.

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

#27338

FIELD DENSITY WORKSHEET

CLIENT HUGHES CONCRETE — DATE 25 Sept 08

PROJECT NO.

PROJECT NAME SINGLETON RES. LAKE CITY — PERMIT NO. #27338

~~EARTH CONTRACTOR~~ 511 SE WATERLEAF DR. — TESTED BY JWC

COMPACTION REQUIREMENT (%) 95% ☐ Standard Proctor ☑ Modified Proctor — FIELD CONTACT

TOTAL ON-SITE TIME 27338 — MILES FROM OFFICE

☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☑ Building Pad ☑ Building Footing ☐ Other

TEST LOCATION	LAB PROCTOR DENS.	LAB PROCTOR OMC	TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
CTR of PAD	109.0	10.0	FG	12"	6.0	115.3	108.8	99.8
CTR of N. FTG	〃	〃	〃	〃	8.6	112.8	103.9	95.3
CTR of S. FTG	〃	〃	〃	〃	7.8	112.1	104.0	95.4

REMARKS

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

2603 NW 74TH PLACE • GAINESVILLE, FLORIDA 32653 • PHONE: (352) 372-1274 • FAX: (352) 372-2721

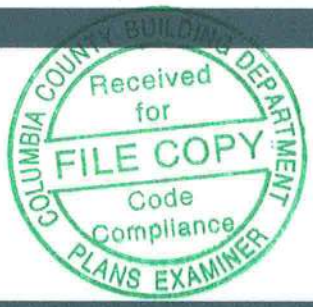
wrightsoft

Project Summary
Entire House
Bertie Heating & Air Conditioning

Job: Singleton
Date: 08-11-08
By: Debra Davis

Project Information

For: Evans Design & Construction
21428 NW 154 Place, High Springs, FL 32643
Phone: 352-494-3545 Fax: 352-454-4983
Email: llevans4@alltel.net
Notes: Singleton Residence - Icynene Insulation



Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	31	°F
Inside db	68	°F
Design TD	37	°F

Summer Design Conditions

Outside db	93	°F
Inside db	75	°F
Design TD	18	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	50	gr/lb

Heating Summary

Structure	28249	Btuh
Ducts	9140	Btuh
Central vent (133 cfm)	5384	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	42774	Btuh

Sensible Cooling Equipment Load Sizing

Structure	20875	Btuh
Ducts	8768	Btuh
Central vent (133 cfm)	2619	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.98	
Equipment sensible load	33140	Btuh

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	1 (Tight)

	Heating	Cooling
Area (ft²)	2620	2620
Volume (ft³)	27520	27520
Air changes/hour	0.11	0.06
Equiv. AVF (cfm)	50	28

Latent Cooling Equipment Load Sizing

Structure	2337	Btuh
Ducts	1980	Btuh
Central vent (133 cfm)	4529	Btuh
Equipment latent load	9770	Btuh
Equipment total load	42910	Btuh
Req. total capacity at 0.70 SHR	3.9	ton

Heating Equipment Summary

Make	Trane
Trade	XL15i Weathertron
Model	4TWX5048A1

Efficiency	9 HSPF	
Heating input		
Heating output	47500	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	1600	cfm
Air flow factor	0.043	cfm/Btuh
Static pressure	0.50	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Trane
Trade	XL15i Weathertron
Cond	4TWX5048A1
Coil	4TEE3F65B1

Efficiency	15 EER	
Sensible cooling	33600	Btuh
Latent cooling	14400	Btuh
Total cooling	48000	Btuh
Actual air flow	1600	cfm
Air flow factor	0.054	cfm/Btuh
Static pressure	0.50	in H2O
Load sensible heat ratio	0.78	

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

wrightsoft

Load Short Form
Entire House
Bertie Heating & Air Conditioning

Job: Singleton
Date: 08-11-08
By: Debra Davis

Project Information

For: Evans Design & Construction
21428 NW 154 Place, High Springs, FL 32643
Phone: 352-494-3545 Fax: 352-454-4983
Email: llevans4@alltel.net

Design Information

	Htg	Clg
Outside db (°F)	31	93
Inside db (°F)	68	75
Design TD (°F)	37	18
Daily range	-	M
Inside humidity (%)	50	50
Moisture difference (gr/lb)	33	50

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	1 (Tight)

HEATING EQUIPMENT

Make	Trane
Trade	XL15i Weathertron
Model	4TWX5048A1

Efficiency	9 HSPF	
Heating input		
Heating output	47500	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	1600	cfm
Air flow factor	0.043	cfm/Btuh
Static pressure	0.50	in H2O
Space thermostat		

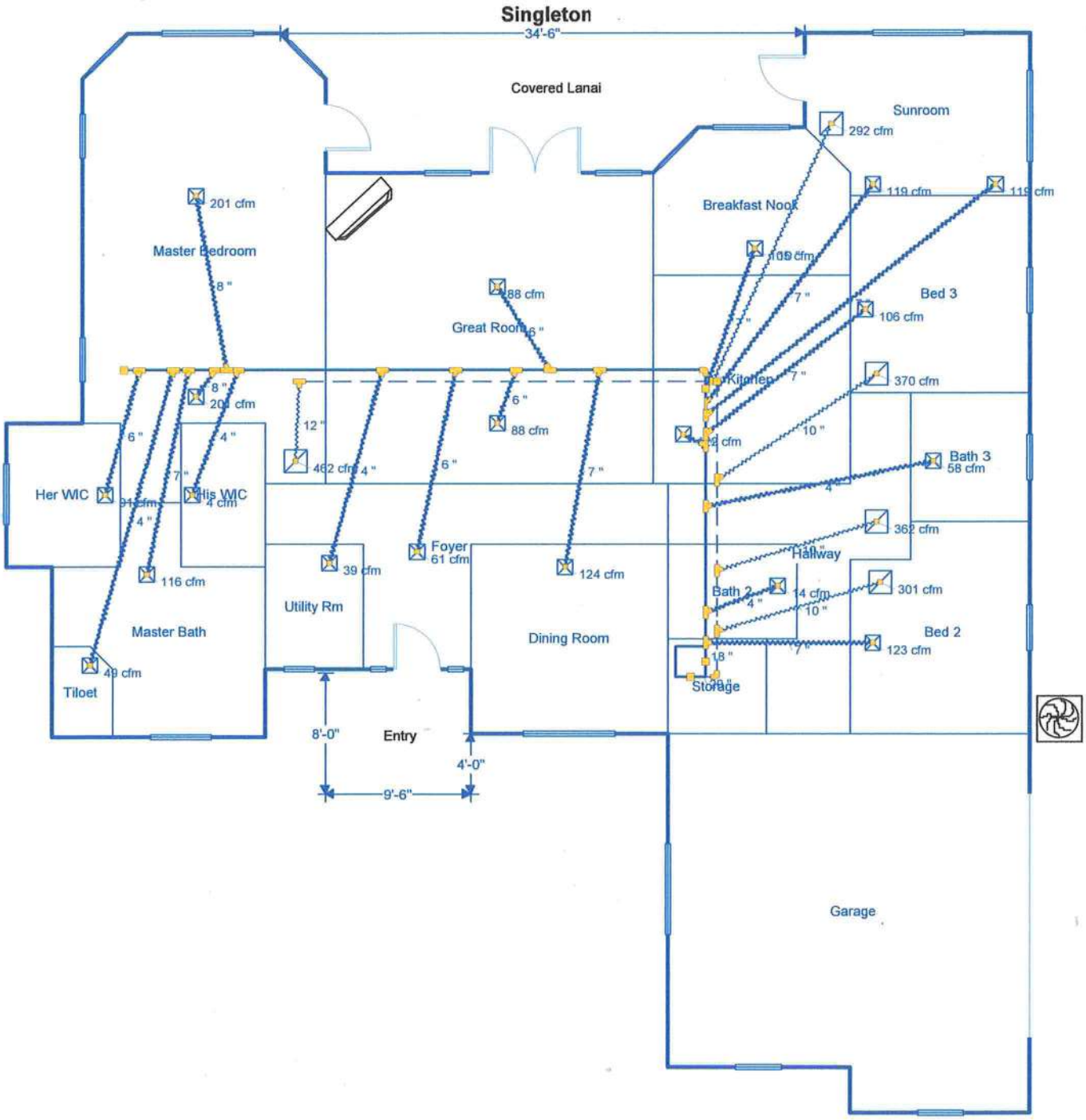
COOLING EQUIPMENT

Make	Trane
Trade	XL15i Weathertron
Cond	4TWX5048A1
Coil	4TEE3F65B1

Efficiency	15 EER	
Sensible cooling	33600	Btuh
Latent cooling	14400	Btuh
Total cooling	48000	Btuh
Actual air flow	1600	cfm
Air flow factor	0.054	cfm/Btuh
Static pressure	0.50	in H2O
Load sensible heat ratio	0.78	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Master Bedroom	440	8094	7449	346	402
Her WIC	71	2131	1022	91	55
His WIC	52	46	80	2	4
Master Bath	152	2707	1194	116	64
Utility Rm	54	921	436	39	24
Foyer	164	1436	996	61	54
Dining Room	163	2897	1663	124	90
Storage	41	0	0	0	0
Bed 2	155	2653	2282	114	123
Bath 3	66	1275	1080	55	58
Bed 3	153	1940	1973	83	106
Sunroom	150	5236	4414	224	238
Bath 2	53	304	254	13	14
Hallway	148	0	0	0	0
Kitchen	179	255	2268	11	122
Breakfast Nook	118	2258	1938	97	105

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



Job #: Singleton
Performed by Debra Davis for:
Evans Design & Construction
21428 NW 154 Place
High Springs, FL 32643
Phone: 352-494-3545 Fax: 352-454-4983
llevans4@alltel.net

Bertie Heating & Air Conditioning
1730 NE 23rd Avenue
Gainesville, Fl 32609
Phone: 352-331-2005 Fax: 352-371-5770
www.bertieair.com dkdavis@bertieair.com

Scale: 1 : 118
Page 1
Right-Suite Residential
6.0.119 RSR27178
2008-Aug-11 14:01:27
Z:\Public\Estimating\Residential Con...

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) **SHALL BE USED.**

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

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

GENERAL REQUIREMENTS;

- ✓ Two (2) complete sets of plans containing the following:
- ✓ All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- ✓ Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- ✓ Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents per FBC 106.1.

Site Plan information including:

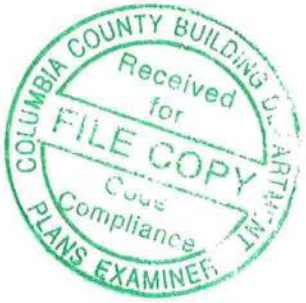
- ✓ Dimensions of lot or parcel of land
- ✓ Dimensions of all building set backs
- ✓ Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- ✓ Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- ✓ Plans or specifications must meet state compliance with FRC Chapter 3
- ✓ The following information must be shown as per section FRC
- ✓ Basic wind speed (3-second gust), miles per hour
- ✓ Wind importance factor and nature of occupancy
- ✓ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ✓ The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.

Elevations Drawing including:

- ✓ All side views of the structure
- ✓ Roof pitch
- ✓ Overhang dimensions and detail with attic ventilation
- ✓ Location, size and height above roof of chimneys
- NA ✓ Location and size of skylights with Florida Product Approval
- ✓ Number of stories
- ✓ e) Building height from the established grade to the roofs highest peak



Floor Plan including:

- Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- All exterior and interior shear walls indicated
- Shear wall opening shown (Windows, Doors and Garage doors
- Emergency escape and rescue opening in each bedroom (net clear opening shown)
- Safety glazing of glass where needed
- Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- N/A Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- Plans must show and identify accessibility of bathroom (see FRC 322)

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

Foundation Plans Per FRC 403:

- a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling.
- d) Assumed load-bearing valve of soil_____ (psf)
- e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

- Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

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

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

Floor Framing System: First and/or second story

- Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers
- Girder type, size and spacing to load bearing walls, stem wall and/or priers
- Attachment of joist to girder
- Wind load requirements where applicable
- Show required under-floor crawl space
- Show required amount of ventilation opening for under-floor spaces
- Show required covering of ventilation opening.
- Show the required access opening to access to under-floor spaces
- Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- Show Draft stopping, Fire caulking and Fire blocking
- Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- Fastener schedule for structural members per table R602.3 (1) are to be shown.
- Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing
- Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems.
- Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- Indicate where pressure treated wood will be placed.
- Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- A detail showing gable truss bracing, wall balloon framing details or and wall hinge bracing detail

ROOF SYSTEMS:

- Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

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

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

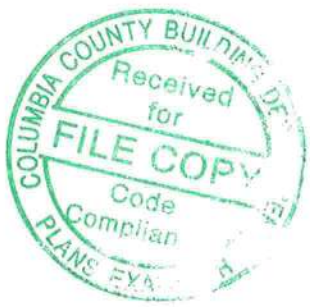
- Include all materials which will make up the roof assembles covering; with Florida Product Approval numbers for each component of the roof assembles covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- Manual J sizing equipment or equivalent computation
- Exhaust fans locations in bathrooms



Plumbing Fixture layout shown

- All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- Switches, outlets receptacles, lighting and all required GFCI outlets identified
- Ceiling fans
- Smoke detectors
- Service panel, sub-panel, location(s) and total ampere ratings

- On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- Appliances and HVAC equipment and disconnects
- Arc Fault Circuits (AFCI) in bedrooms

Notarized Disclosure Statement for Owner Builders

Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- Size of pump motor
- Size of pressure tank
- Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.

- Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)

N/A

- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

- Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is $50.00.

need

- Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

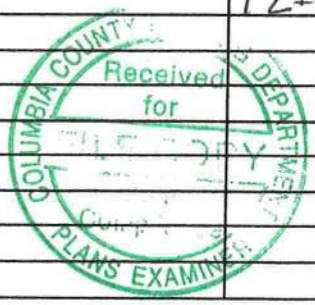
ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Columbia County **Project Name:** Singleton Job

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Masonite	Fiberglass Exterior	FL 4904.1
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung	MI	185 Series	FL 7590.10
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments	Warrior	30lb felt	FL 2346
3. Roofing Fasteners			
4. Non-structural Metal Rf	Thomco	S-V	FL#3539.3
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			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels	N/A		
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight	N/A		
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simpson	Variety of straps	FL 474.21 503.5 etc
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

Philip D Evans

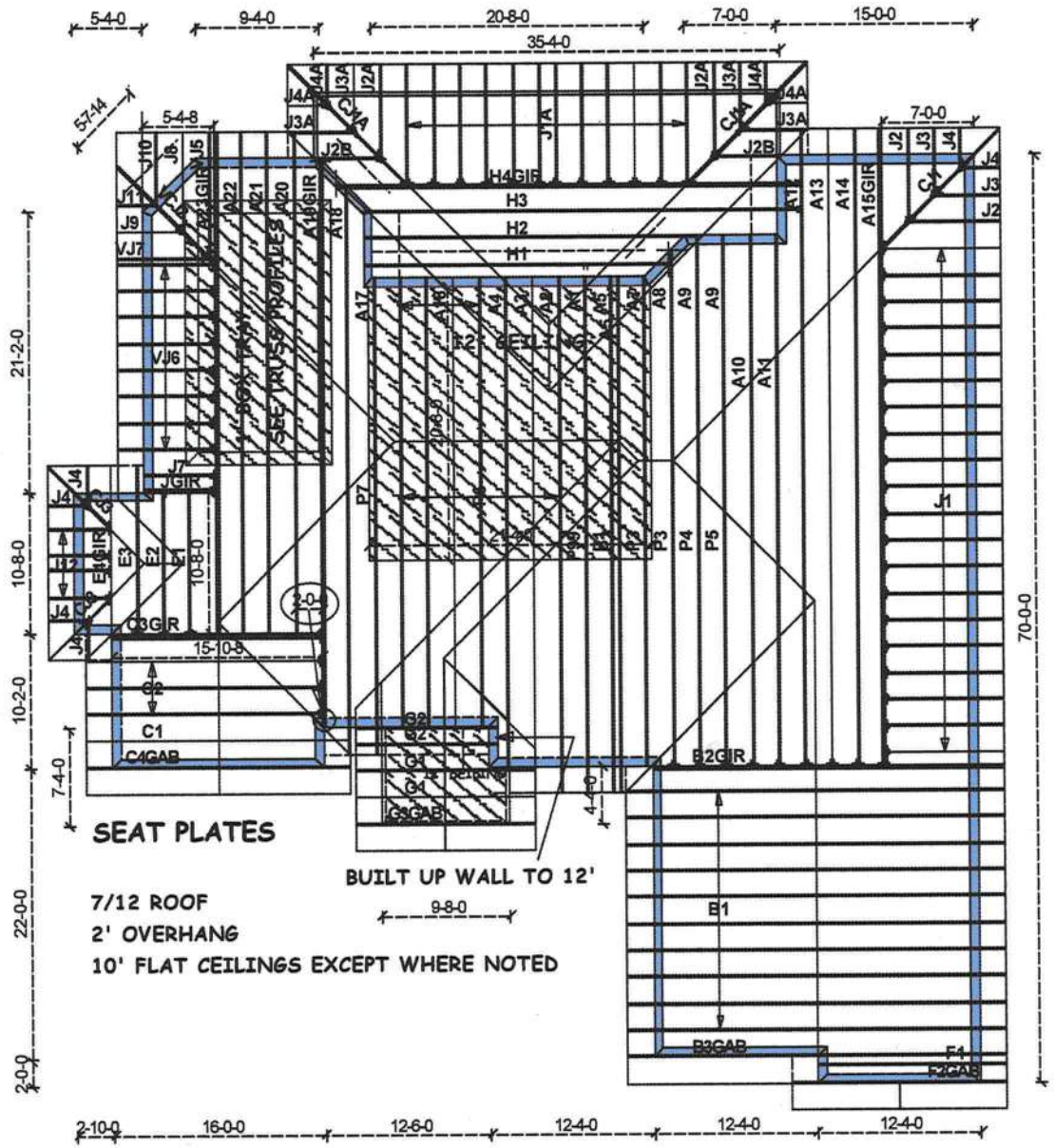
Contractor or Contractor's Authorized Agent Signature

Philip D Evans 8/26/08

Print Name Date

Location

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



HANGER SCHEDULE

A8--THD26
A9--THD26
A10--THD26
A11--THD26
A12--THDH26
A13--THDH26
A14--THDH26
A15--THD28-2
A20--THD26
A21--THD26
A22--THD26
A23GIR--THD26-2
C2--JUS26
C3GIR--THDH28-2
JGIR--THD26-2
E1--JUS26
E2--JUS26
E3--JUS26

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

EVANS BUILDING AND DESIGN

SINGELTON

COLUMBIA COUNTY

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

Account: CONTRACTORS
Job: EVANSINGELTONR1
Designer: C. LITTLE
Checker:
Date: 08-19-08

RE: EVANSINGELTONR1 -

Site Information:
Customer Info: EVANS BUILDING AND DESIGN Model: SINGELTON REV.1
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 22.0.019
Wind Code: ASCE 7-02 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 25 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	T3122563	A1	8/19/08	18	T3122580	H3	8/19/08
2	T3122564	A2	8/19/08	19	T3122581	H4GIR	8/19/08
3	T3122565	A3	8/19/08	20	T3122582	J1A	8/19/08
4	T3122566	A4	8/19/08	21	T3122583	J2A	8/19/08
5	T3122567	A5	8/19/08	22	T3122584	J2B	8/19/08
6	T3122568	A7	8/19/08	23	T3122585	J3A	8/19/08
7	T3122569	A8	8/19/08	24	T3122586	J4A	8/19/08
8	T3122570	A9	8/19/08	25	T3122587	P99	8/19/08
9	T3122571	A10	8/19/08				
10	T3122572	A11	8/19/08				
11	T3122573	A16	8/19/08				
12	T3122574	A17	8/19/08				
13	T3122575	A18	8/19/08				
14	T3122576	A19GIR	8/19/08				
15	T3122577	CJ1A	8/19/08				
16	T3122578	H1	8/19/08				
17	T3122579	H2	8/19/08				

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

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: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2009.

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.

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

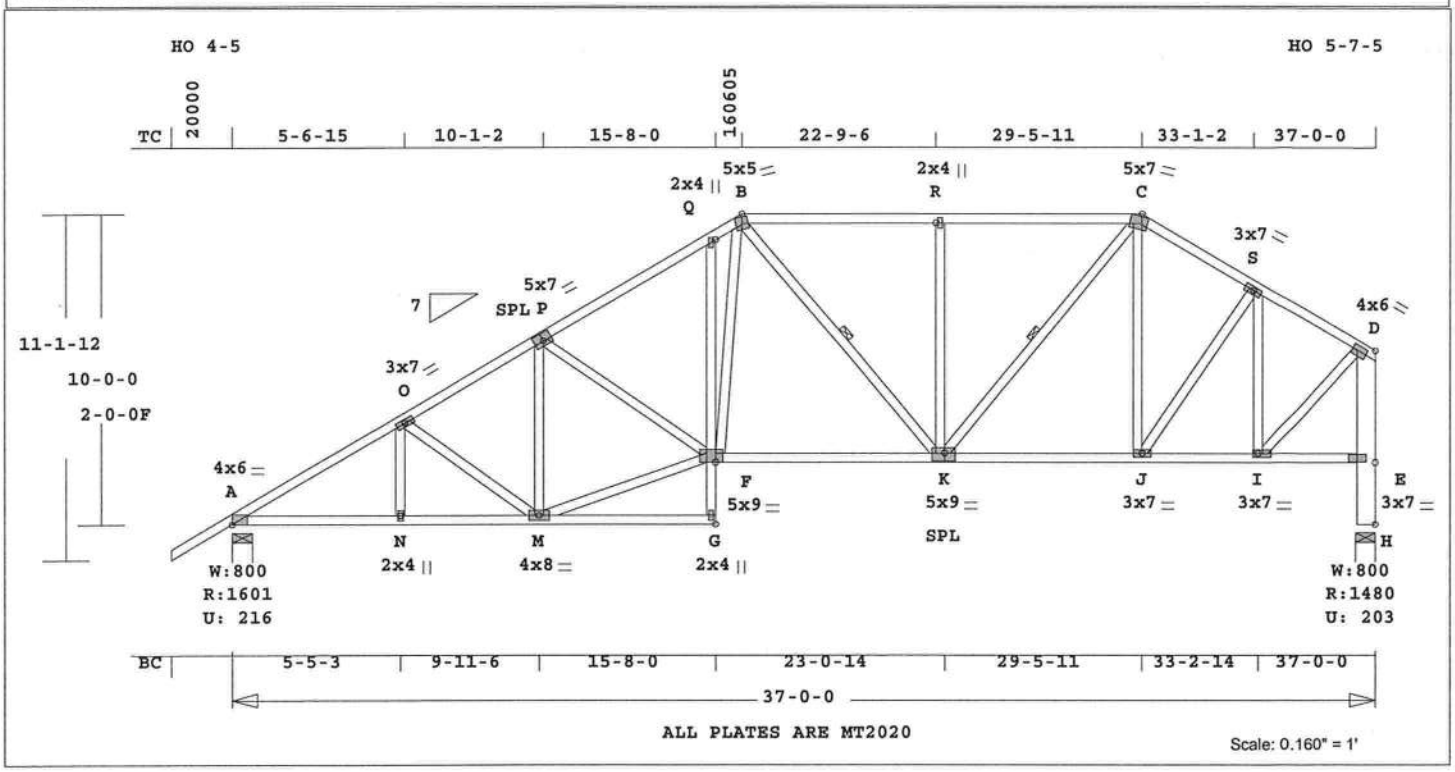
6904 Parke East Boulevard
Tampa, FL 33610-4115
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbinseng.com

August 19,2008

Velez, Joaquin

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A1	1	SP	370000	7	2- 0- 0	0	T3122563

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 346.6 LBS

```
Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

     CSI -Size- ----Lumber----
TC  0.44  2x 4  SP-#2
BC  0.46  2x 4  SP-#2
CW  0.15  2x 4  SP-#2
WB  0.38  2x 4  SP-#2
--  0.21  2x 8  SP-#2
    E -D

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0 16- 6- 5
 TC   24.0"  16- 6- 5 29- 5-11
 TC  Cont.   29- 5-11 37- 0- 0
 BC  Cont.    0- 0- 0 37- 0- 0
One Continuous Lateral Brace
  B -K   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   1602   216 U   313 R
H   1480   204 U   167 R

Jt   Brg Size   Required
A       8.0"       1.9"
H       8.0"       1.5"

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

Membr  CSI   P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -O  0.24  2415 C  0.04  0.20
O -P  0.28  2109 C  0.02  0.26
P -Q  0.31  2146 C  0.06  0.25
Q -B  0.23  2155 C  0.11  0.12
B -R  0.44  1670 C  0.01  0.43
R -C  0.44  1670 C  0.01  0.43
C -S  0.15  1300 C  0.01  0.14
S -D  0.13   981 C  0.00  0.13
D -D  0.00     4 T
--------Bottom Chords---------
A -N  0.43  2081 T  0.34  0.09
N -M  0.44  2081 T  0.34  0.10
M -G  0.18    42 C  0.00  0.18
F -K  0.46  1731 T  0.18  0.28
K -J  0.39  1130 T  0.11  0.28
J -I  0.22   844 T  0.14  0.08
I -E  0.10   384 C  0.00  0.10
----------Chord-Webs----------
G -F  0.15    90 T  0.01  0.14
F -Q  0.10   244 C  0.02  0.08
------------Webs-------------
N -O  0.02   161 T
O -M  0.14   310 C
M -P  0.18   355 C
M -F  0.36  1952 T
P -F  0.15   226 C
F -B  0.33   968 T
B -K  0.05   130 C        1 Br
K -R  0.38   422 C
K -C  0.15   840 T        1 Br
J -C  0.26   293 C
J -S  0.09   487 T
I -S  0.35   756 C
I -D  0.21  1150 T
E -D  0.19  1437 C  0.00  0.19
H -E  0.21  1480 C  0.00  0.21

TL Defl  -0.25" in F -K  L/999
LL Defl  -0.10" in F -K  L/999
Shear // Grain  in B -R   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 0.2 0.1 0.55
O  MT20  3.0x 7.0 Ctr Ctr 0.23
P  MT20  5.0x 7.0-0.3 0.5 0.38
Q  MT20  2.0x 4.0 Ctr Ctr 0.23
B  MT20  5.0x 5.0-0.1-3.6 0.56
R  MT20  2.0x 4.0 Ctr Ctr 0.29
C  MT20  5.0x 7.0-1.4-3.3 0.57
S  MT20  3.0x 7.0 Ctr Ctr 0.29
D  MT20  4.0x 6.0 0.9-0.5 0.46
N  MT20  2.0x 4.0 Ctr Ctr 0.29
M  MT20  4.0x 8.0 Ctr Ctr 0.75
G  MT20  2.0x 4.0 Ctr Ctr 0.58
F  MT20  5.0x 9.0 Ctr 0.8 0.50
K  MT20  5.0x 9.0-0.5-0.5 0.47
J  MT20  3.0x 7.0 Ctr Ctr 0.22
I  MT20  3.0x 7.0 Ctr Ctr 0.47
E  MT20  3.0x 7.0 Ctr Ctr 0.19

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

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

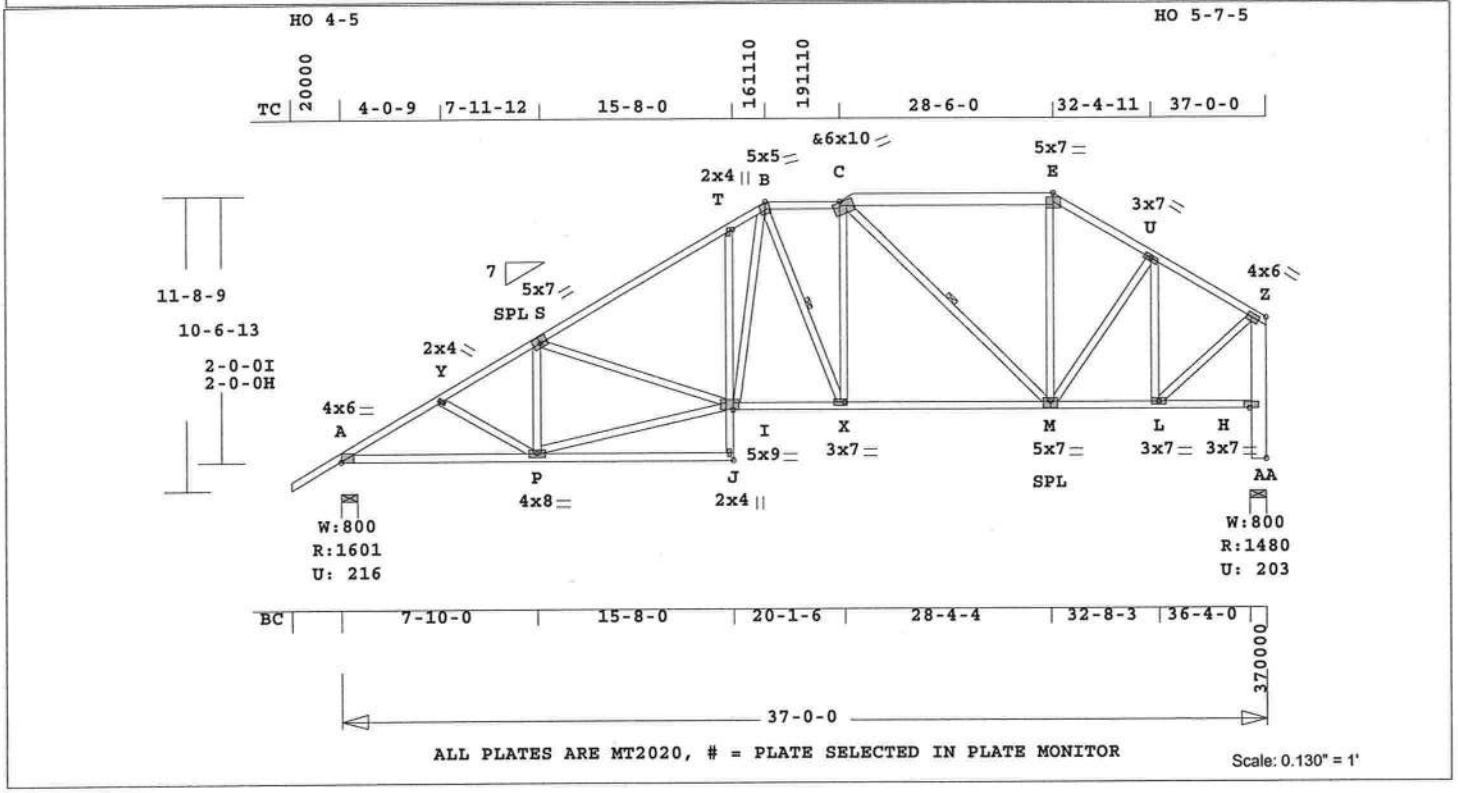
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2415 Lbs
Max tens. force 2081 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A2	1	SP	370000	7	2- 0- 0	0	T3122564

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 356.7 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.64	2x 4	SP-#2
--	0.39	2x 6	SP-#2
	C -E		
BC	0.58	2x 4	SP-#2
CW	0.19	2x 4	SP-#2
WB	0.51	2x 4	SP-#2
--	0.23	2x 8	SP-#2
	H -Z		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	19-11-10
TC	24.0"	19-11-10	28- 6- 0
TC	Cont.	28- 6- 0	37- 0- 0
BC	Cont.	0- 0- 0	37- 0- 0

One Continuous Lateral Brace
B -X C -M
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	1602	216 U	323 R
AA	1480	204 U	179 R

Jt	Brg Size	Required
A	8.0"	1.9"
AA	8.0"	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 -Y	0.21	2448 C	0.04 0.17
Y -S	0.47	2280 C	0.03 0.44
S -T	0.64	2154 C	0.12 0.52
T -B	0.46	2252 C	0.03 0.43
B -C	0.41	1679 C	0.01 0.40
C -E	0.39	1162 C	0.00 0.39
E -U	0.27	1332 C	0.01 0.26
U -Z	0.19	1075 C	0.00 0.19
Z -Z	0.00	4 T	
	Bottom Chords		
A -P	0.58	2096 T	0.21 0.37
P -J	0.37	27 T	0.00 0.37
I -X	0.47	1665 T	0.17 0.30
X -M	0.47	1682 T	0.17 0.30
M -L	0.37	922 T	0.09 0.28
L -H	0.12	393 C	0.00 0.12
	Chord-Webs		
J -I	0.12	122 T	0.01 0.11
I -T	0.19	458 C	0.14 0.05
	Webs		
Y -P	0.04	133 C	
P -S	0.09	287 C	
P -I	0.46	2036 T	
S -I	0.33	338 C	
I -B	0.51	1114 T	
B -X	0.02	105 T	1 Br
X -C	0.04	272 T	
C -M	0.38	723 C	1 Br
M -E	0.05	386 T	
M -U	0.07	413 T	
L -U	0.36	678 C	
L -Z	0.21	1142 T	
H -Z	0.21	1427 C	0.00 0.21
AA-H	0.23	1480 C	0.00 0.23

TL Defl -0.34" in P -J L/999
LL Defl -0.14" in P -J L/999
Shear // Grain in S -T 0.26

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.56
Y	MT20	2.0x 4.0	Ctr	Ctr	0.23
S	MT20	5.0x 7.0	-0.3	0.5	0.38
T	MT20	2.0x 4.0	Ctr	Ctr	0.23
B	MT20	5.0x 5.0	-0.1	-3.6	0.66
C					1.02
E	MT20	5.0x 7.0	Ctr	-0.5	0.52
U	MT20	3.0x 7.0	Ctr	Ctr	0.29
Z	MT20	4.0x 6.0	0.9	-0.5	0.44
P	MT20	4.0x 8.0	Ctr	Ctr	0.88
J	MT20	2.0x 4.0	Ctr	Ctr	0.58
I	MT20	5.0x 9.0	Ctr	0.8	0.58
X	MT20	3.0x 7.0	Ctr	Ctr	0.28
M	MT20	5.0x 7.0	Ctr	-0.5	0.45
L	MT20	3.0x 7.0	Ctr	Ctr	0.43
H	MT20	3.0x 7.0	Ctr	Ctr	0.19

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

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

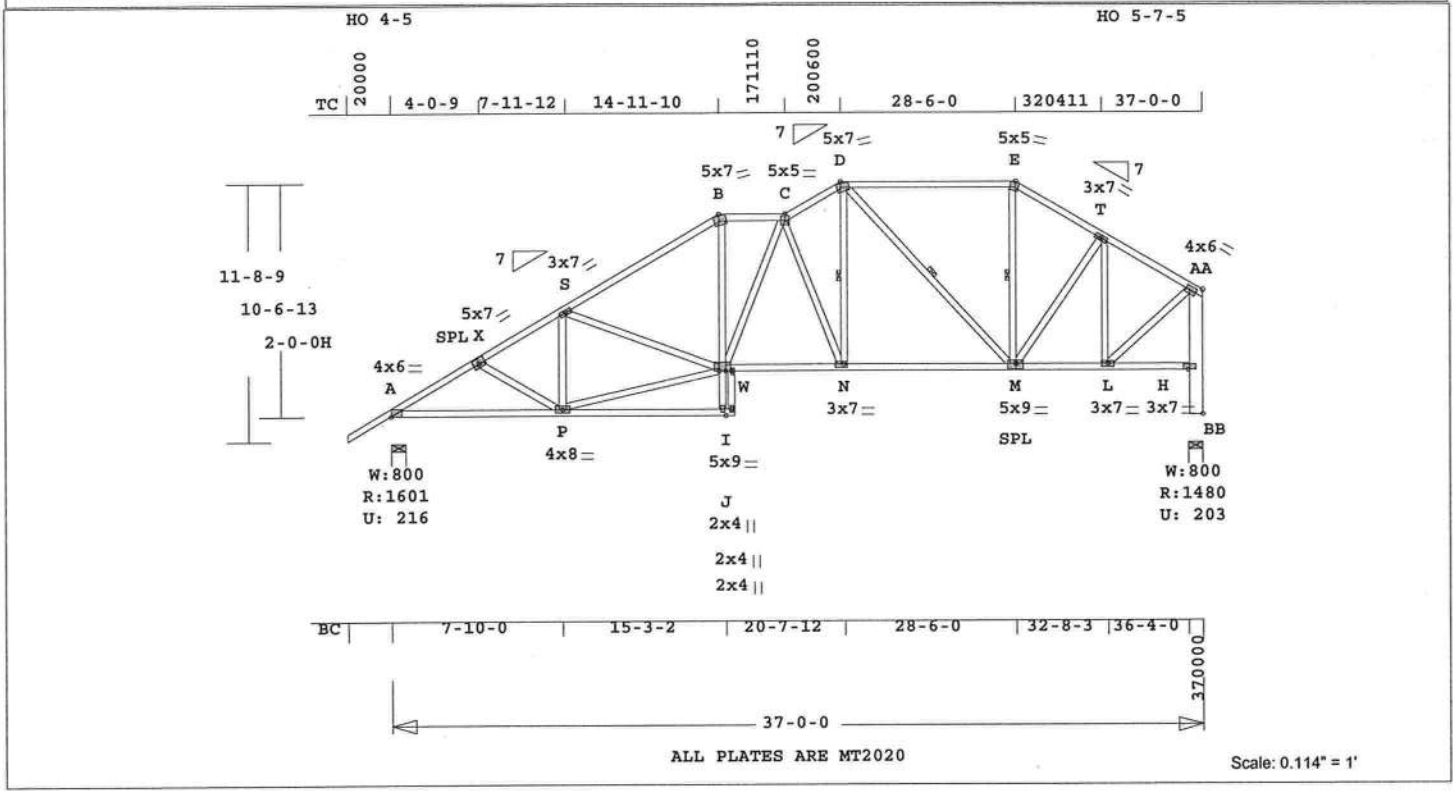
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2448 Lbs
Max tens. force 2096 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A3	1	SP	370000	7	2- 0- 0	0	T3122565

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 347.4 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.70	2x 4	SP-#2
BC	0.56	2x 4	SP-#2
CW	0.19	2x 4	SP-#2
WB	0.70	2x 4	SP-#2
--	0.24	2x 8	SP-#2
	H -AA		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20- 6- 0
TC	24.0"	20- 6- 0	28- 6- 0
TC	Cont.	28- 6- 0	37- 0- 0
BC	Cont.	0- 0- 0	37- 0- 0

One Continuous Lateral Brace
N -D D -M M -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	1602	216 U	331 R
BB	1480	204 U	195 R

Jt	Brg Size	Required
A	8.0"	1.9"
BB	8.0"	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 -X	0.21	2448 C	0.04 0.17
X -S	0.43	2276 C	0.03 0.40
S -B	0.60	2212 C	0.12 0.48
B -C	0.20	1913 C	0.09 0.11
C -D	0.48	1802 C	0.01 0.47
D -E	0.70	1165 C	0.02 0.68
E -T	0.34	1330 C	0.01 0.33
T -AA	0.20	1075 C	0.00 0.20
AA-AA	0.00	4 T	
--------Bottom Chords---------			
A -P	0.56	2098 T	0.21 0.35
P -J	0.35	15 T	0.00 0.35
I -N	0.47	1964 T	0.20 0.27
N -M	0.44	1615 T	0.17 0.27
M -L	0.34	920 T	0.09 0.25
L -H	0.12	417 C	0.00 0.12
----------Chord-Webs----------			
I -B	0.19	794 T	0.14 0.05
J -I	0.07	115 T	0.01 0.06
------------Webs-------------			
X -P	0.04	137 C	
P -S	0.10	319 C	
P -I	0.41	2049 T	
S -I	0.28	312 C	
I -C	0.10	131 C	
C -N	0.70	874 C	
N -D	0.17	955 T	1 Br
D -M	0.33	657 C	1 Br
M -E	0.05	361 T	1 Br
M -T	0.07	423 T	
L -T	0.36	673 C	
L -AA	0.21	1138 T	
H -AA	0.22	1428 C	0.00 0.22
BB-H	0.24	1480 C	0.00 0.24

TL Defl -0.31" in P -J L/999
LL Defl -0.13" in P -J L/999
Shear // Grain in D -E 0.30

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.56
X	MT20	5.0x 7.0	-0.3	0.5	0.38
S	MT20	3.0x 7.0	Ctr	Ctr	0.20
B	MT20	5.0x 7.0	0.9	-3.3	0.33
C	MT20	5.0x 5.0	Ctr	Ctr	0.50
D	MT20	5.0x 7.0	1.4	-3.3	0.48
E	MT20	5.0x 5.0	-0.8	-3.1	0.33
T	MT20	3.0x 7.0	Ctr	Ctr	0.29
AA	MT20	4.0x 6.0	0.9	-0.5	0.44
P	MT20	4.0x 8.0	Ctr	Ctr	0.88
J	MT20	2.0x 4.0	Ctr	Ctr	0.58
I	MT20	5.0x 9.0	Ctr	1.6	0.85
N	MT20	3.0x 7.0	Ctr	Ctr	0.38
M	MT20	5.0x 9.0	-0.5	-0.5	0.47
L	MT20	3.0x 7.0	Ctr	Ctr	0.42
H	MT20	3.0x 7.0	Ctr	Ctr	0.19

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

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

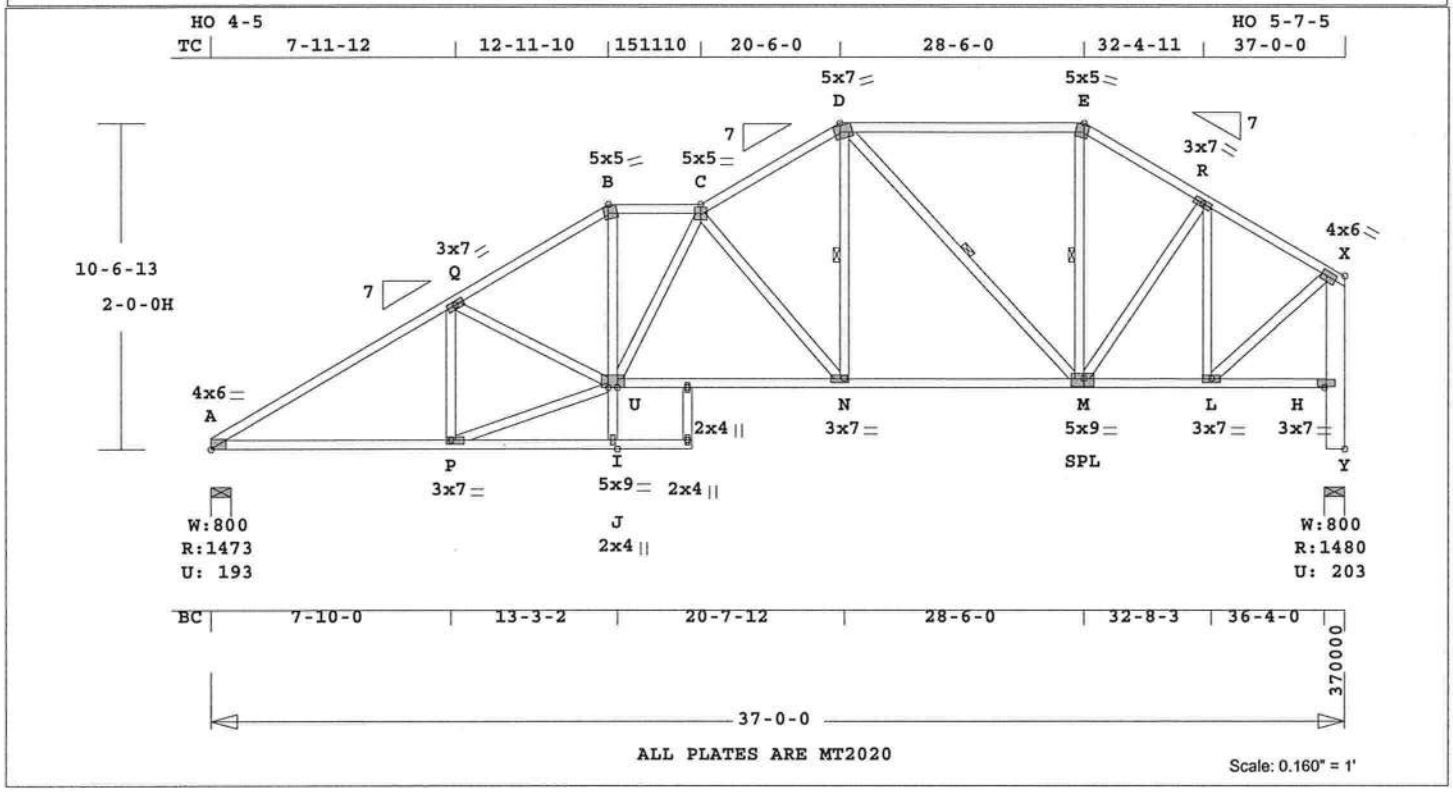
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2448 Lbs
Max tens. force 2098 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
EVANSINGELTONR1	A4	1	SP	370000	7	0	0	T3122566

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 327.5 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.71	2x 4	SP-#2
BC	0.58	2x 4	SP-#2
CW	0.28	2x 4	SP-#2
WB	0.87	2x 4	SP-#2
--	0.27	2x 8	SP-#2
	H -X		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20- 6- 0
TC	24.0"	20- 6- 0	28- 6- 0
TC	Cont.	28- 6- 0	37- 0- 0
BC	Cont.	0- 0- 0	37- 0- 0

One Continuous Lateral Brace
N -D D -M M -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	1474	194 U	337 R
Y	1480	204 U	221 R

Jt	Brg Size	Required
A	8.0"	1.7"
Y	8.0"	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 -Q	0.69	2306 C	0.15 0.54
Q -B	0.45	2526 C	0.04 0.41
B -C	0.18	2178 C	0.03 0.15
C -D	0.48	1846 C	0.01 0.47
D -E	0.71	1165 C	0.02 0.69
E -R	0.34	1329 C	0.01 0.33
R -X	0.20	1076 C	0.00 0.20
X -X	0.00	4 T	
Bottom Chords			
A -P	0.52	1993 T	0.33 0.19
P -J	0.27	32 C	0.00 0.27
I -N	0.58	2340 T	0.39 0.19
N -M	0.50	1617 T	0.17 0.33
M -L	0.32	921 T	0.09 0.23
L -H	0.12	459 C	0.00 0.12
Chord-Webs			
J -I	0.12	72 T	0.01 0.11
I -B	0.28	1075 T	0.19 0.09
Webs			
P -Q	0.19	593 C	
P -I	0.39	2132 T	
Q -I	0.08	197 T	
I -C	0.20	346 C	
C -N	0.87	1086 C	
N -D	0.18	984 T	1 Br
D -M	0.33	659 C	1 Br
M -E	0.05	357 T	1 Br
M -R	0.07	422 T	
L -R	0.36	671 C	
L -X	0.21	1138 T	
H -X	0.25	1428 C	0.00 0.25
Y -H	0.27	1480 C	0.00 0.27

TL Defl -0.32" in I -N L/999
LL Defl -0.14" in I -N L/999
Shear // Grain in D -E 0.30

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.53
Q	MT20	3.0x 7.0	Ctr	Ctr	0.20
B	MT20	5.0x 5.0	0.8-3.1		0.45
C	MT20	5.0x 5.0	Ctr	Ctr	0.46
D	MT20	5.0x 7.0	1.4-3.3		0.48
E	MT20	5.0x 5.0	-0.8-3.1		0.33
R	MT20	3.0x 7.0	Ctr	Ctr	0.29
X	MT20	4.0x 6.0	0.9-0.5		0.44
P	MT20	3.0x 7.0	Ctr	Ctr	0.70
J	MT20	2.0x 4.0	Ctr	Ctr	0.58
I	MT20	5.0x 9.0	Ctr	1.6	0.97
N	MT20	3.0x 7.0	Ctr	Ctr	0.39
M	MT20	5.0x 9.0	-0.5-0.5		0.47
L	MT20	3.0x 7.0	Ctr	Ctr	0.42
H	MT20	3.0x 7.0	Ctr	Ctr	0.19

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

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

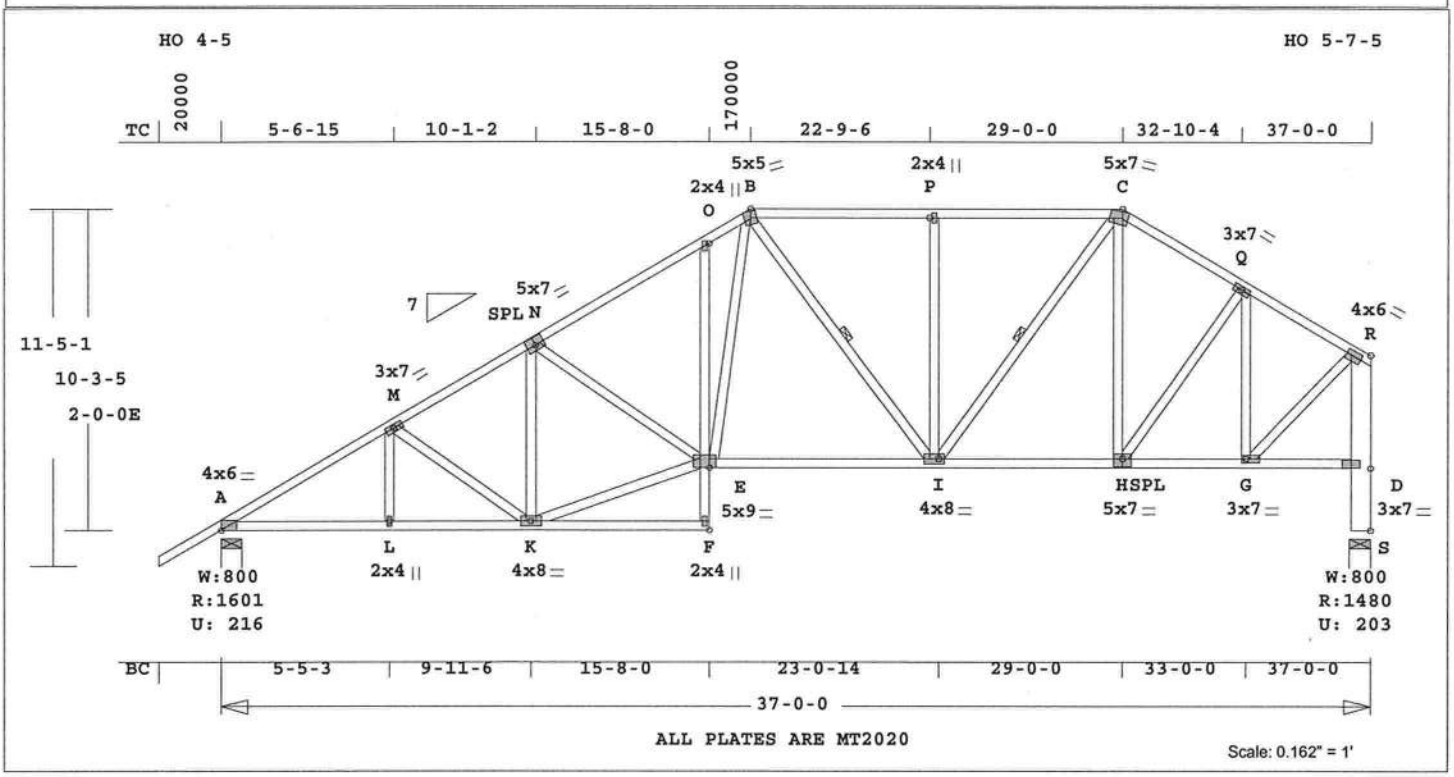
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2526 Lbs
Max tens. force 2340 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A5	2	SP	370000	7	2- 0- 0	0	T3122567

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 349.3 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.38	2x 4	SP-#2
BC	0.44	2x 4	SP-#2
CW	0.16	2x 4	SP-#2
WB	0.38	2x 4	SP-#2
--	0.21	2x 8	SP-#2
	D -R		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 0- 0
TC	24.0"	17- 0- 0	29- 0- 0
TC	Cont.	29- 0- 0	37- 0- 0
BC	Cont.	0- 0- 0	37- 0- 0

One Continuous Lateral Brace
B -I I -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	1602	216 U	318 R
S	1480	204 U	167 R

Jt	Brg Size	Required
A	8.0"	1.9"
S	8.0"	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 -M	0.24	2415 C	0.04 0.20
M -N	0.28	2108 C	0.02 0.26
N -O	0.31	2146 C	0.06 0.25
O -B	0.23	2158 C	0.11 0.12
B -P	0.38	1608 C	0.01 0.37
P -C	0.38	1608 C	0.01 0.37
C -Q	0.15	1314 C	0.01 0.14
Q -R	0.14	1017 C	0.00 0.14
R -R	0.00	4 T	
--------Bottom Chords---------			
A -L	0.43	2081 T	0.34 0.09
L -K	0.44	2081 T	0.34 0.10
K -F	0.18	43 C	0.00 0.18
E -I	0.44	1674 T	0.17 0.27
I -H	0.38	1140 T	0.11 0.27
H -G	0.21	876 T	0.09 0.12
G -D	0.10	381 C	0.00 0.10
----------Chord-Webs----------			
F -E	0.16	90 T	0.01 0.15
E -O	0.11	244 C	0.03 0.08
------------Webs------------			
L -M	0.02	161 T	
M -K	0.14	310 C	
K -N	0.18	355 C	
K -E	0.36	1952 T	
N -E	0.15	221 C	
E -B	0.36	997 T	
B -I	0.05	135 C	1 Br
I -P	0.38	392 C	
I -C	0.14	780 T	1 Br
H -C	0.25	258 C	
H -Q	0.08	440 T	
G -Q	0.35	723 C	
G -R	0.21	1155 T	
D -R	0.20	1437 C	0.00 0.20
S -D	0.21	1480 C	0.00 0.21

TL Defl -0.25" in E -I L/999
LL Defl -0.10" in E -I L/999
Shear // Grain in B -P 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	0.2	0.1	0.55
M	MT20	3.0x 7.0	Ctr	Ctr	0.23
N	MT20	5.0x 7.0	-0.3	0.5	0.38
O	MT20	2.0x 4.0	Ctr	Ctr	0.23
B	MT20	5.0x 5.0	-0.1	-3.6	0.60
P	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	-1.4	-3.3	0.54
Q	MT20	3.0x 7.0	Ctr	Ctr	0.29
R	MT20	4.0x 6.0	0.9	-0.5	0.46
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
K	MT20	4.0x 8.0	Ctr	Ctr	0.75
F	MT20	2.0x 4.0	Ctr	Ctr	0.58
E	MT20	5.0x 9.0	Ctr	0.8	0.52
I	MT20	4.0x 8.0	Ctr	Ctr	0.33
H	MT20	5.0x 7.0	Ctr	-0.5	0.40
G	MT20	3.0x 7.0	Ctr	Ctr	0.46
D	MT20	3.0x 7.0	Ctr	Ctr	0.19

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

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

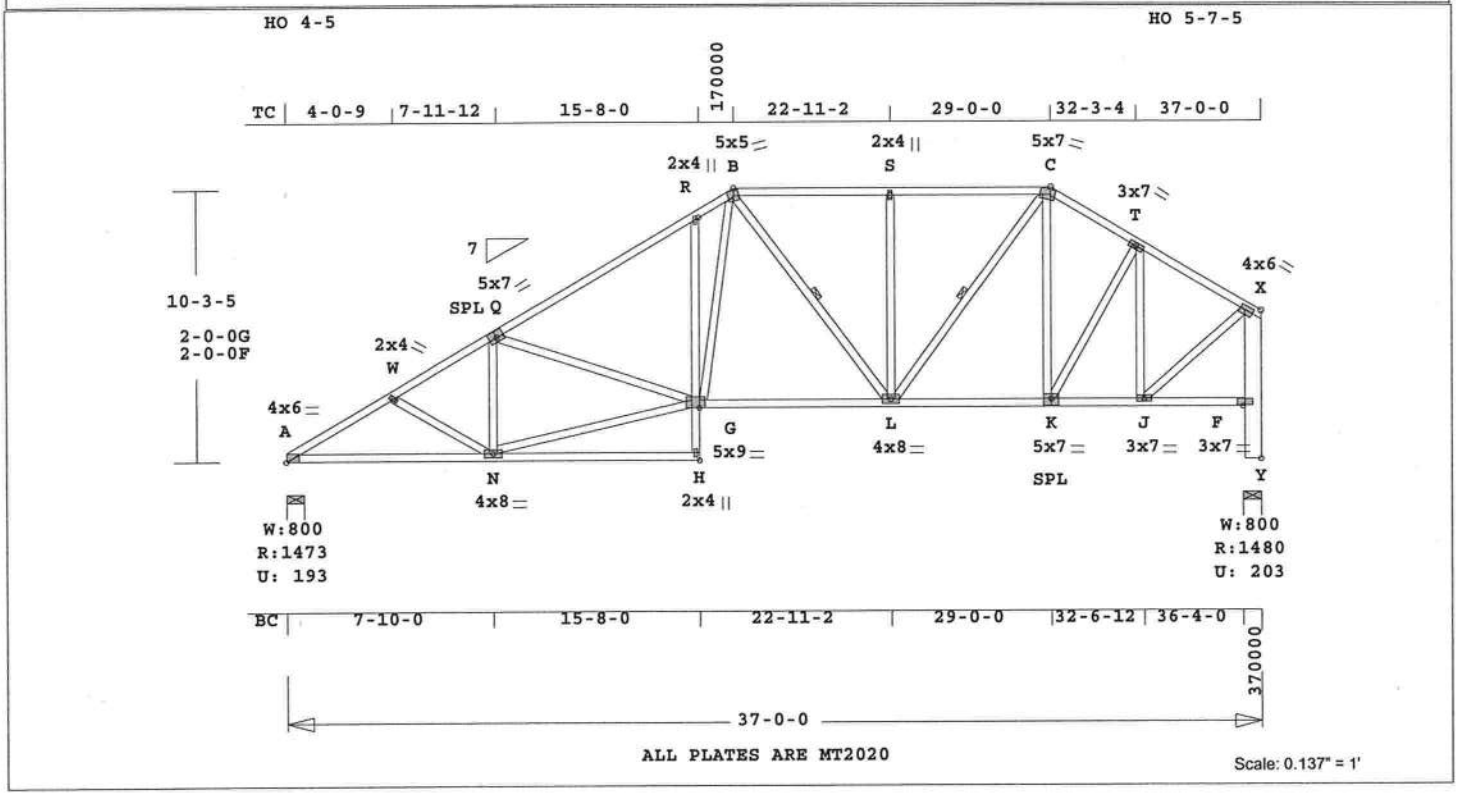
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2415 Lbs
Max tens. force 2081 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A7	1	SP	370000	7	0	0	T3122568

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 343.1 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.66	2x 4	SP-#2
BC	0.58	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.46	2x 4	SP-#2
--	0.22	2x 8	SP-#2
	F -X		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 0- 0
TC	24.0"	17- 0- 0	29- 0- 0
TC	Cont.	29- 0- 0	37- 0- 0
BC	Cont.	0- 0- 0	37- 0- 0

One Continuous Lateral Brace
B -L L -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	1474	194 U	319 R
Y	1480	204 U	172 R

Jt	Brg Size	Required
A	8.0"	1.7"
Y	8.0"	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 -W	0.21	2448 C	0.04 0.17
W -Q	0.47	2280 C	0.03 0.44
Q -R	0.66	2164 C	0.13 0.53
R -B	0.45	2232 C	0.03 0.42
B -S	0.38	1608 C	0.01 0.37
S -C	0.38	1608 C	0.01 0.37
C -T	0.14	1312 C	0.01 0.13
T -X	0.20	1092 C	0.00 0.20
X -K	0.00	4 T	
Bottom Chords			
A -N	0.58	2096 T	0.21 0.37
N -H	0.37	39 C	0.00 0.37
G -L	0.45	1672 T	0.28 0.17
L -K	0.38	1139 T	0.11 0.27
K -J	0.20	937 T	0.15 0.05
J -F	0.11	379 C	0.00 0.11
Chord-Webs			
H -G	0.14	122 T	0.01 0.13
G -R	0.21	412 C	0.10 0.11
Webs			
W -N	0.04	133 C	
N -Q	0.09	296 C	
N -G	0.46	2069 T	
Q -G	0.33	331 C	
G -B	0.45	1112 T	
B -L	0.05	131 C	1 Br
L -S	0.38	396 C	
L -C	0.14	784 T	1 Br
K -C	0.24	244 C	
K -T	0.07	387 T	
J -T	0.36	656 C	
J -X	0.21	1148 T	
F -X	0.20	1429 C	0.00 0.20
Y -F	0.22	1480 C	0.00 0.22

TL Defl -0.34" in N -H L/999
LL Defl -0.14" in N -H L/999
Shear // Grain in Q -R 0.26

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.56
W	MT20	2.0x 4.0	Ctr	Ctr	0.23
Q	MT20	5.0x 7.0	-0.3	0.5	0.38
R	MT20	2.0x 4.0	Ctr	Ctr	0.23
B	MT20	5.0x 5.0	-0.1	-3.6	0.66
S	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	-1.4	-3.3	0.54
T	MT20	3.0x 7.0	Ctr	Ctr	0.30
X	MT20	4.0x 6.0	0.9	-0.5	0.44
N	MT20	4.0x 8.0	Ctr	Ctr	0.89
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	5.0x 9.0	Ctr	0.8	0.58
L	MT20	4.0x 8.0	Ctr	Ctr	0.33
K	MT20	5.0x 7.0	Ctr	-0.5	0.42
J	MT20	3.0x 7.0	Ctr	Ctr	0.42
F	MT20	3.0x 7.0	Ctr	Ctr	0.19

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

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

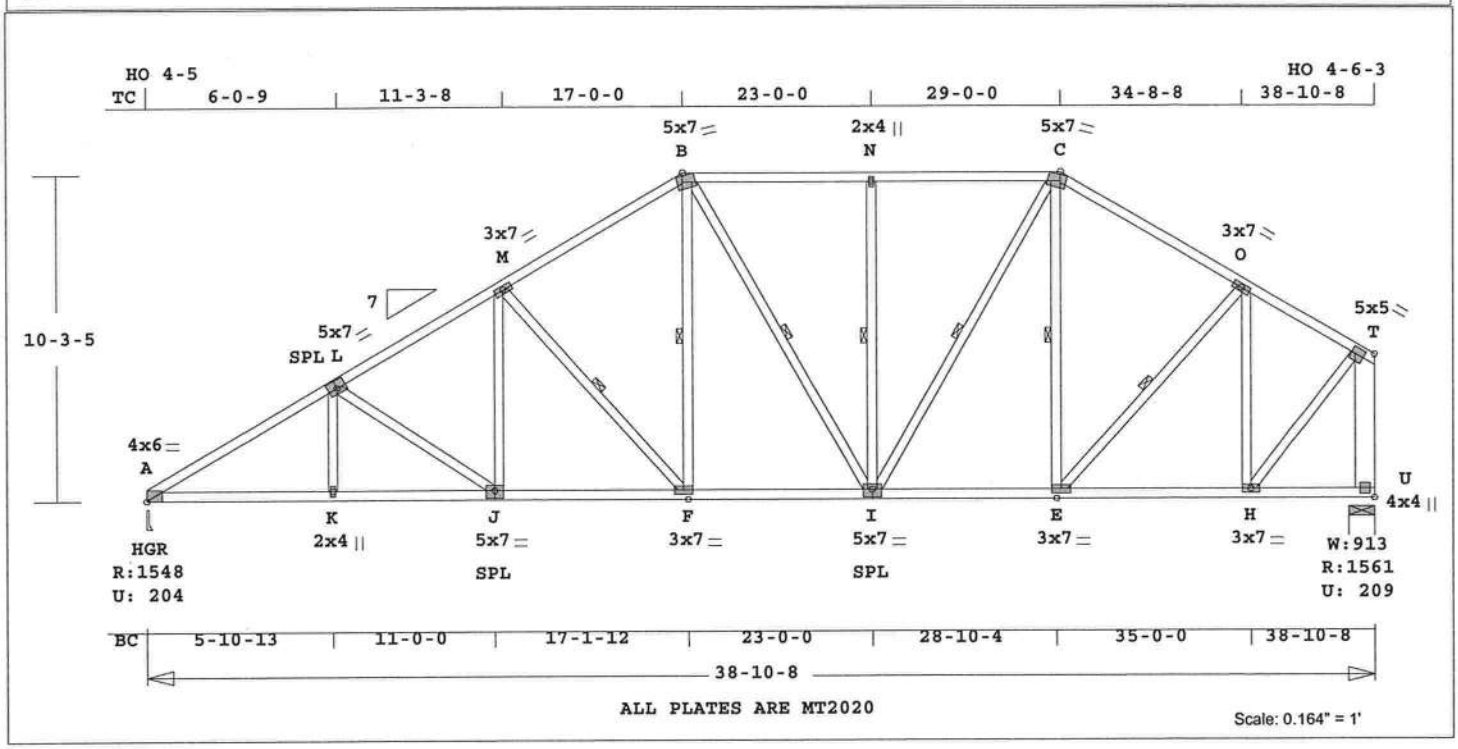
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2448 Lbs
Max tens. force 2096 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A8	1	HIPP	381008	7	0	0	T3122569

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 352.2 LBS

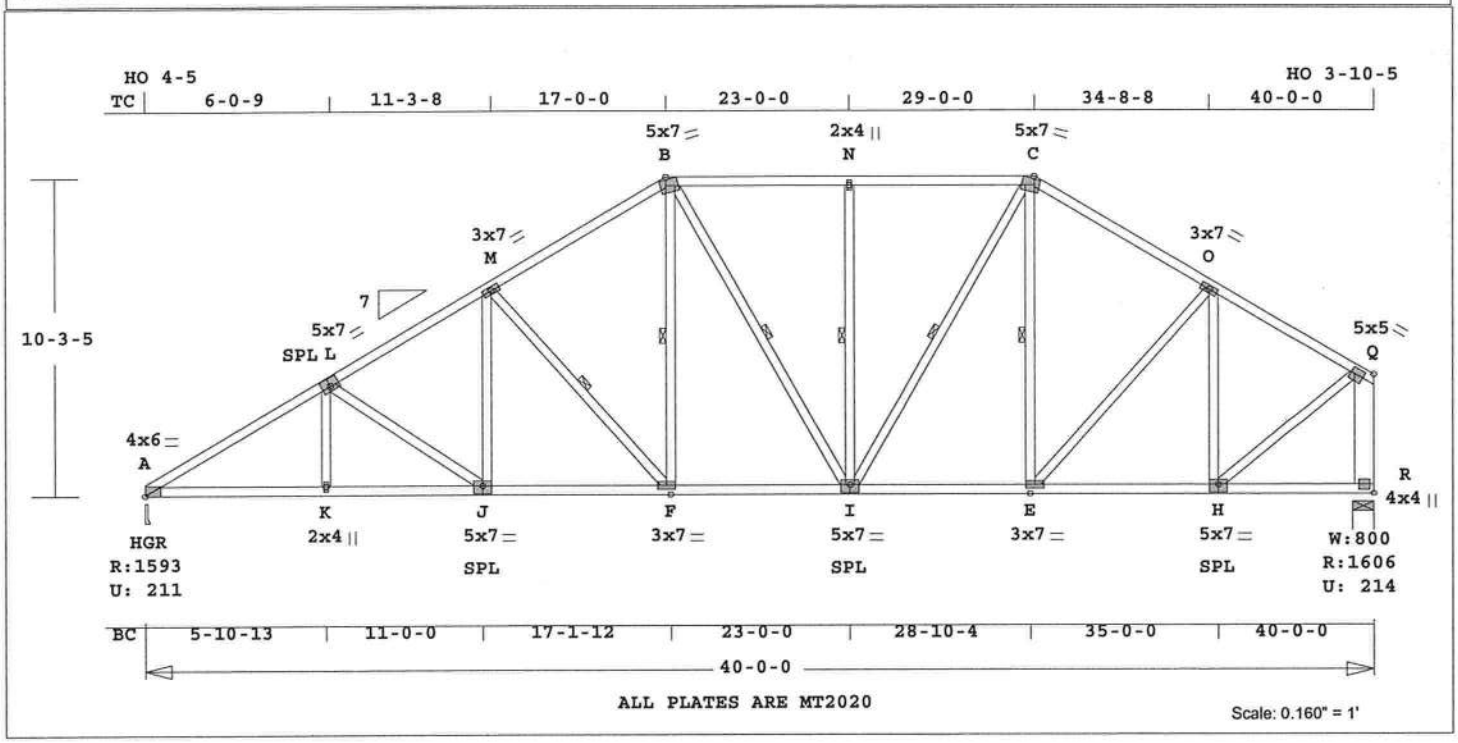
```
Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

     CSI -Size- ----Lumber----
TC  0.38  2x 4  SP-#2
BC  0.45  2x 4  SP-#2
WB  0.57  2x 4  SP-#2
--  0.23  2x 8  SP-#2
    U -T

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 17- 0- 0
 TC   24.0"   17- 0- 0 29- 0- 0
 TC  Cont.    29- 0- 0 38-10- 8
 BC  Cont.     0- 0- 0 38-10- 8
One Continuous Lateral Brace
  M -F   F -B   B -I   I -N
  I -C   E -C   E -O
Attach CLB with (2)-10d nails
  at each web.

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.15  Fc=1.10  Ft=1.10
BC Fb=1.10  Fc=1.10  Ft=1.10

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
A   1549   205 U   194 R
U   1561   209 U   278 R

Jt   Brg Size   Required
A       3.5"       1.8"
U       9.8"       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  0.26  2545 C  0.07  0.19
L -M  0.28  2166 C  0.10  0.18
M -B  0.28  1707 C  0.01  0.27
B -N  0.38  1451 C  0.01  0.37
N -C  0.38  1451 C  0.01  0.37
C -O  0.28  1314 C  0.01  0.27
O -T  0.27   927 C  0.00  0.27
T -T  0.00     4 T
--------Bottom Chords---------
A -K  0.45  2195 T  0.36  0.09
K -J  0.45  2195 T  0.36  0.09
J -F  0.41  1873 T  0.31  0.10
F -I  0.34  1470 T  0.24  0.10
I -E  0.30  1133 T  0.19  0.11
E -H  0.27   818 T  0.08  0.19
H -U  0.15   220 T  0.00  0.15
------------Webs-------------
K -L  0.03   200 T
L -J  0.22   386 C
J -M  0.06   391 T
M -F  0.18   589 C        1 Br
F -B  0.10   560 T        1 Br
B -I  0.05   105 C        1 Br
I -N  0.15   394 C        1 Br
I -C  0.11   627 T        1 Br
E -C  0.08   219 C        1 Br
E -O  0.08   463 T        1 Br
H -O  0.57   856 C
H -T  0.23  1263 T
U -T  0.23  1530 C WindLd

TL Defl  -0.21" in J -F  L/999
LL Defl  -0.09" in J -F  L/999
Shear // Grain  in B -N   0.26

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X    Y   JSI
A  MT20  4.0x 6.0 0.2  0.1 0.58
L  MT20  5.0x 7.0-0.3  0.5 0.38
M  MT20  3.0x 7.0 Ctr  Ctr 0.32
B  MT20  5.0x 7.0 1.4-3.3 0.50
N  MT20  2.0x 4.0 Ctr  Ctr 0.29
C  MT20  5.0x 7.0-1.4-3.3 0.50
O  MT20  3.0x 7.0 Ctr  Ctr 0.27
T  MT20  5.0x 5.0 0.9-0.5 0.47
K  MT20  2.0x 4.0 Ctr  Ctr 0.29
J  MT20  5.0x 7.0 Ctr-0.5 0.43
F  MT20  3.0x 7.0 Ctr  Ctr 0.22
I  MT20  5.0x 7.0 Ctr-0.5 0.46
E  MT20  3.0x 7.0 Ctr  Ctr 0.19
H  MT20  3.0x 7.0 Ctr  Ctr 0.57
U  MT20  4.0x 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
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:          110 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
Max comp. force     2545 Lbs
Max tens. force     2195 Lbs
Quality Control Factor 1.25
```


Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A9	2	HIPP	400000	7	0	0	T3122570

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 354.9 LBS

```
Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

     CSI -Size- ----Lumber----
TC  0.39  2x 4   SP-#2
BC  0.48  2x 4   SP-#2
WB  0.46  2x 4   SP-#2
--  0.17  2x 8   SP-#2
    R -Q

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 17- 0- 0
 TC   24.0"   17- 0- 0 29- 0- 0
 TC  Cont.    29- 0- 0 40- 0- 0
 BC  Cont.     0- 0- 0 40- 0- 0
One Continuous Lateral Brace
  M -F   F -B   B -I   I -N
  I -C   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   1594   211 U   197 R
R   1606   215 U   269 R

Jt   Brg Size   Required
A       3.5"       1.9"
R       8.0"       1.9"

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

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -L  0.26  2630 C  0.11  0.15
L -M  0.29  2253 C  0.03  0.26
M -B  0.28  1796 C  0.01  0.27
B -N  0.39  1554 C  0.01  0.38
N -C  0.39  1554 C  0.01  0.38
C -O  0.32  1464 C  0.01  0.31
O -Q  0.31  1211 C  0.00  0.31
Q -Q  0.00     4 T
--------Bottom Chords---------
A -K  0.48  2268 T  0.38  0.10
K -J  0.47  2268 T  0.38  0.09
J -F  0.42  1949 T  0.32  0.10
F -I  0.35  1546 T  0.25  0.10
I -E  0.31  1261 T  0.13  0.18
E -H  0.29  1061 T  0.11  0.18
H -R  0.18   220 T  0.00  0.18
------------Webs-------------
K -L  0.03   199 T
L -J  0.22   383 C
J -M  0.06   390 T
M -F  0.18   588 C        1 Br
F -B  0.10   559 T        1 Br
B -I  0.04   103 T        1 Br
I -N  0.16   398 C        1 Br
I -C  0.10   579 T        1 Br
E -C  0.03    97 C        1 Br
E -O  0.05   293 T
H -O  0.46   696 C
H -Q  0.24  1338 T
R -Q  0.17  1562 C WindLd

TL Defl  -0.22" in J -F  L/999
LL Defl  -0.10" in J -F  L/999
Shear // Grain  in B -N   0.26

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  MT20  4.0x 6.0 0.2 0.1 0.60
L  MT20  5.0x 7.0-0.3 0.5 0.38
M  MT20  3.0x 7.0 Ctr Ctr 0.32
B  MT20  5.0x 7.0 1.4-3.3 0.50
N  MT20  2.0x 4.0 Ctr Ctr 0.29
C  MT20  5.0x 7.0-1.4-3.3 0.50
O  MT20  3.0x 7.0 Ctr Ctr 0.27
Q  MT20  5.0x 5.0 0.9-0.5 0.49
K  MT20  2.0x 4.0 Ctr Ctr 0.29
J  MT20  5.0x 7.0 Ctr-0.5 0.44
F  MT20  3.0x 7.0 Ctr Ctr 0.22
I  MT20  5.0x 7.0 Ctr-0.5 0.46
E  MT20  3.0x 7.0 Ctr Ctr 0.19
H  MT20  5.0x 7.0 Ctr-0.5 0.39
R  MT20  4.0x 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.

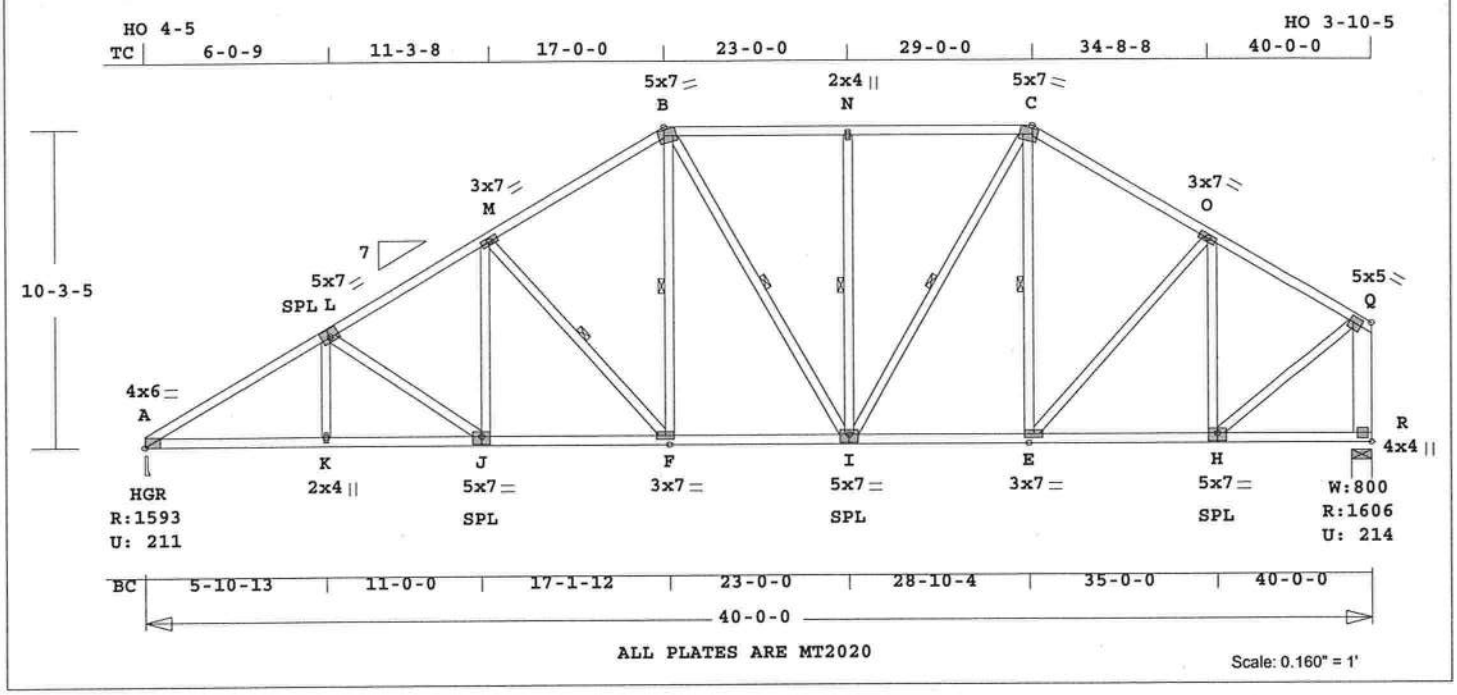
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2630 Lbs
Max tens. force 2268 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A10	1	HIPP	400000	7	0	0	T3122571

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 354.9 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.39	2x 4	SP-#2
BC	0.48	2x 4	SP-#2
WB	0.46	2x 4	SP-#2
--	0.17	2x 8	SP-#2
	R -Q		

Brace truss as follows:

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

One Continuous Lateral Brace
M -F F -B B -I I -N
I -C 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	1594	211 U	197 R
R	1606	215 U	269 R

Jt	Brg Size	Required
A	3.5"	1.9"
R	8.0"	1.9"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -L	0.26	2630 C	0.11 0.15
L -M	0.29	2253 C	0.03 0.26
M -B	0.28	1796 C	0.01 0.27
B -N	0.39	1554 C	0.01 0.38
N -C	0.39	1554 C	0.01 0.38
C -O	0.32	1464 C	0.01 0.31
O -Q	0.31	1211 C	0.00 0.31
Q -Q	0.00	4 T	
Bottom Chords			
A -K	0.48	2268 T	0.38 0.10
K -J	0.47	2268 T	0.38 0.09
J -F	0.42	1949 T	0.32 0.10
F -I	0.35	1546 T	0.25 0.10
I -E	0.31	1261 T	0.13 0.18
E -H	0.29	1061 T	0.11 0.18
H -R	0.18	220 T	0.00 0.18
Webs			
K -L	0.03	199 T	
L -J	0.22	383 C	
J -M	0.06	390 T	
M -F	0.18	588 C	1 Br
F -B	0.10	559 T	1 Br
B -I	0.04	103 T	1 Br
I -N	0.16	398 C	1 Br
I -C	0.10	579 T	1 Br
E -C	0.03	97 C	1 Br
E -O	0.05	293 T	
H -O	0.46	696 C	
H -Q	0.24	1338 T	
R -Q	0.17	1562 C	WindLd

TL Defl -0.22" in J -F L/999
LL Defl -0.10" in J -F L/999
Shear // Grain in B -N 0.26

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.60
L	MT20	5.0x 7.0	-0.3	0.5	0.38
M	MT20	3.0x 7.0	Ctr	Ctr	0.32
B	MT20	5.0x 7.0	1.4	-3.3	0.50
N	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0	-1.4	-3.3	0.50
O	MT20	3.0x 7.0	Ctr	Ctr	0.27
Q	MT20	5.0x 5.0	0.9	-0.5	0.49
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
J	MT20	5.0x 7.0	Ctr	-0.5	0.44
F	MT20	3.0x 7.0	Ctr	Ctr	0.22
I	MT20	5.0x 7.0	Ctr	-0.5	0.46
E	MT20	3.0x 7.0	Ctr	Ctr	0.19
H	MT20	5.0x 7.0	Ctr	-0.5	0.39
R	MT20	4.0x 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.

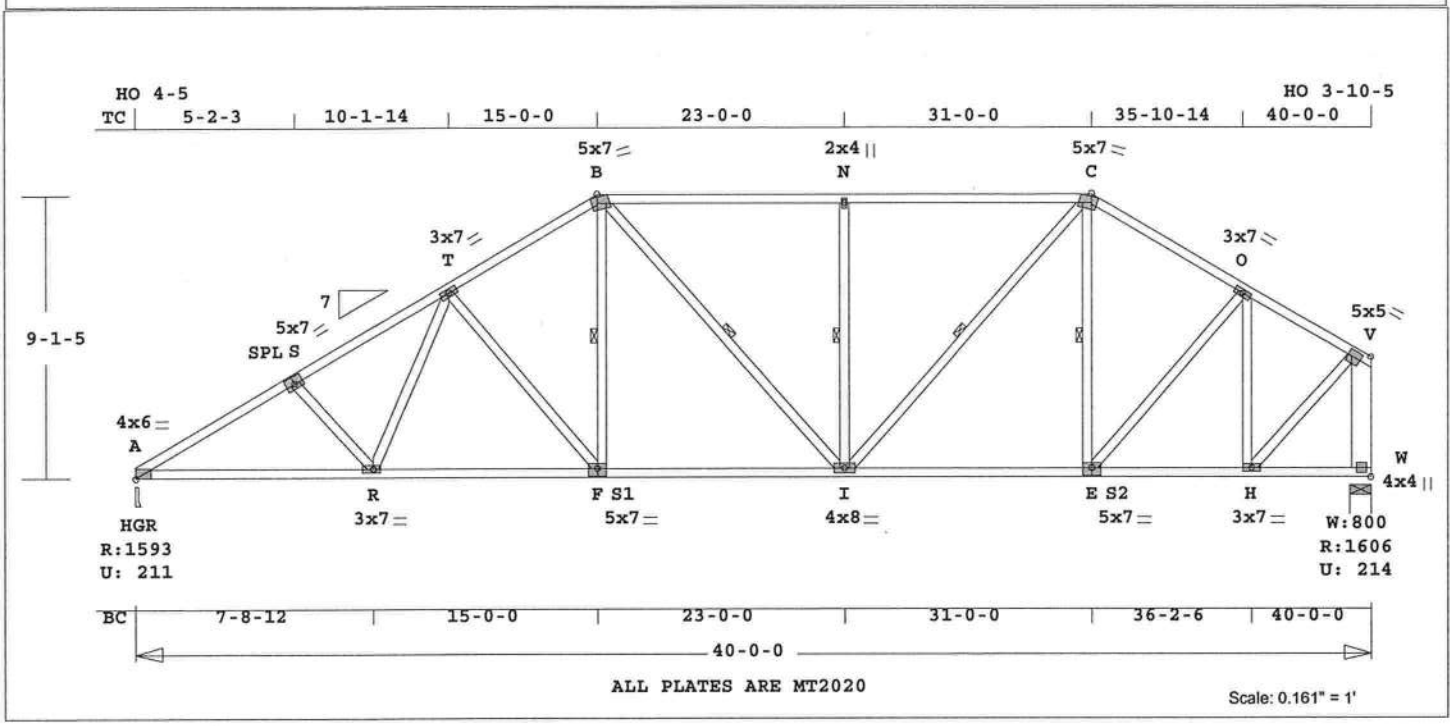
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2630 Lbs
Max tens. force 2268 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
EVANSINGELTONR1	A11	1	HIPP	400000	7	0	0	T3122572

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 330.4 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.73	2x 4	SP-#2
BC	0.53	2x 4	SP-#2
WB	0.45	2x 4	SP-#2
--	0.18	2x 8	SP-#2
	W -V		

Brace truss as follows:

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

One Continuous Lateral Brace
S1-B B -I I -N I -C
S2-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	1594	211 U	172 R
W	1606	215 U	244 R

Jt	Brg Size	Required
A	3.5"	1.9"
W	8.0"	1.9"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -S	0.23	2652 C	0.11 0.12
S -T	0.28	2454 C	0.07 0.21
T -B	0.36	1952 C	0.02 0.34
B -N	0.73	1787 C	0.02 0.71
N -C	0.73	1787 C	0.02 0.71
C -O	0.23	1445 C	0.01 0.22
O -V	0.17	1047 C	0.00 0.17
V -V	0.00	4 T	
Bottom Chords			
A -R	0.53	2288 T	0.38 0.15
R -S1	0.50	1989 T	0.33 0.17
S1-I	0.51	1690 T	0.17 0.34
I -S2	0.47	1253 T	0.13 0.34
S2-H	0.34	916 T	0.09 0.25
H -W	0.08	195 T	0.00 0.08
Webs			
S -R	0.06	253 C	
R -T	0.06	392 T	
T -S1	0.42	457 C	
S1-B	0.09	539 T	1 Br
B -I	0.04	145 T	1 Br
I -N	0.17	541 C	1 Br
I -C	0.14	799 T	1 Br
S2-C	0.07	239 C	1 Br
S2-O	0.09	503 T	
H -O	0.45	849 C	
H -V	0.24	1309 T	
W -V	0.18	1570 C	WindLd

TL Defl -0.25" in S1-I L/999
LL Defl -0.11" in R -S1 L/999
Shear // Grain in B -N 0.35

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	0.2	0.1	0.61
S	MT20	5.0x 7.0-0.3	0.5		0.38
T	MT20	3.0x 7.0	Ctr	Ctr	0.27
B	MT20	5.0x 7.0	1.4-3.3		0.48
N	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	5.0x 7.0-1.4-3.3			0.54
O	MT20	3.0x 7.0	Ctr	Ctr	0.27
V	MT20	5.0x 5.0	0.9-0.5		0.48
R	MT20	3.0x 7.0-1.0	Ctr		0.28
S1	MT20	5.0x 7.0	Ctr-0.5		0.39
I	MT20	4.0x 8.0	Ctr	Ctr	0.33
S2	MT20	5.0x 7.0	Ctr-0.5		0.39
H	MT20	3.0x 7.0	Ctr	Ctr	0.54
W	MT20	4.0x 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.

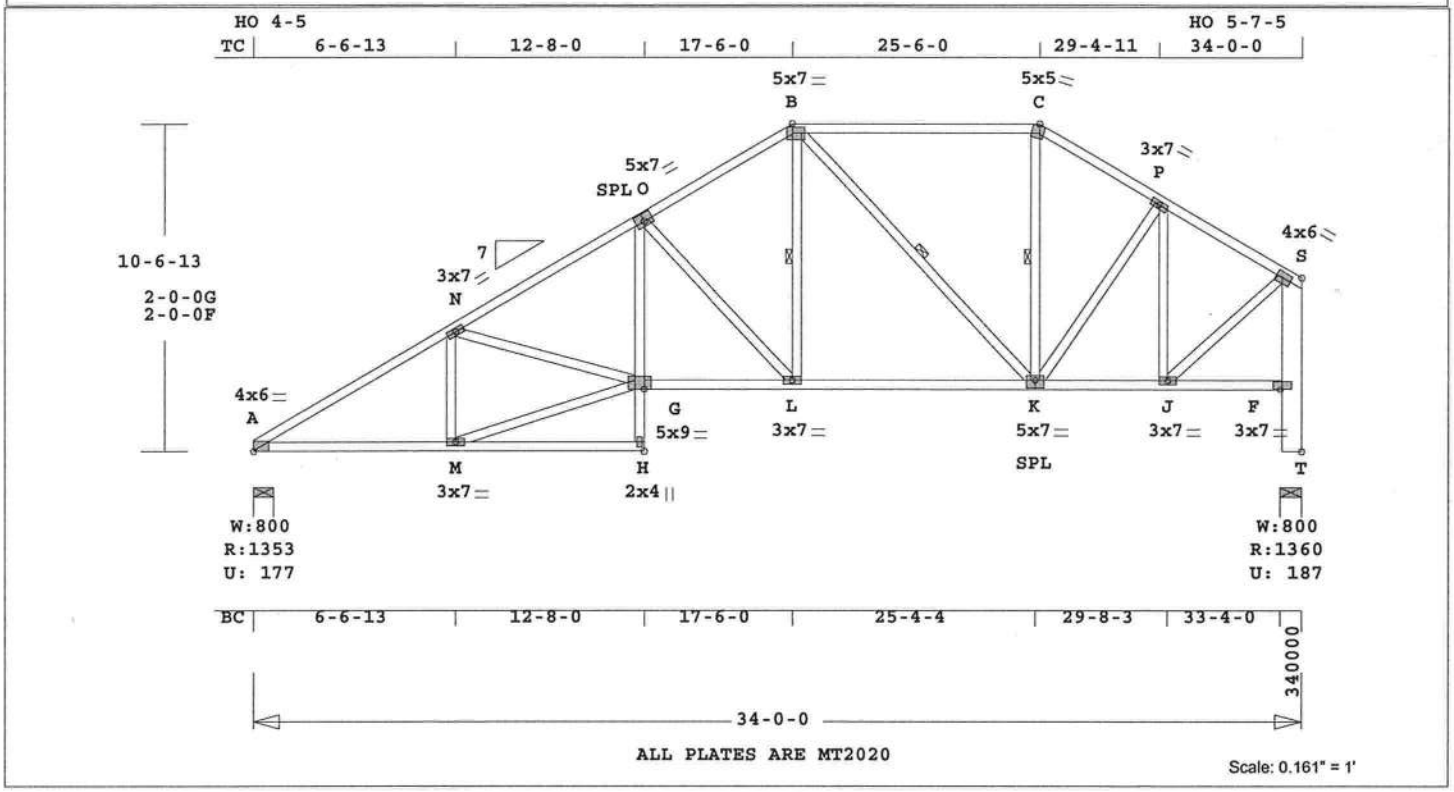
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2652 Lbs
Max tens. force 2288 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A16	4	SP	340000	7	0	0	T3122573

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 297.3 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.69	2x 4	SP-#2
BC	0.48	2x 4	SP-#2
CW	0.17	2x 4	SP-#2
WB	0.69	2x 4	SP-#2
--	0.23	2x 8	SP-#2
	F -S		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 6- 0
TC	24.0"	17- 6- 0	25- 6- 0
TC	Cont.	25- 6- 0	34- 0- 0
BC	Cont.	0- 0- 0	34- 0- 0

One Continuous Lateral Brace
L -B B -K 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	1354	178 U	317 R
T	1360	188 U	179 R

Jt	Brg Size	Required
A	8.0"	1.6"
T	8.0"	1.5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -N	0.37	2166 C	0.02 0.35
N -O	0.38	2289 C	0.08 0.30
O -B	0.42	1597 C	0.01 0.41
B -C	0.69	1045 C	0.02 0.67
C -P	0.32	1191 C	0.00 0.32
P -S	0.20	977 C	0.00 0.20
S -S	0.00	4 T	
Bottom Chords			
A -M	0.43	1874 T	0.31 0.12
M -H	0.23	21 T	0.00 0.23
G -L	0.48	1976 T	0.33 0.15
L -K	0.41	1381 T	0.14 0.27
K -J	0.33	836 T	0.08 0.25
J -F	0.11	396 C	0.00 0.11
Chord-Webs			
H -G	0.09	98 T	0.00 0.09
G -O	0.17	660 T	0.12 0.05
Webs			
M -N	0.10	470 C	
M -G	0.36	1949 T	
N -G	0.09	161 C	
O -L	0.69	846 C	
L -B	0.14	759 T	1 Br
B -K	0.24	491 C	1 Br
K -C	0.04	308 T	1 Br
K -P	0.06	360 T	
J -P	0.32	603 C	
J -S	0.19	1030 T	
F -S	0.21	1308 C	0.00 0.21
T -F	0.23	1360 C	0.00 0.23

TL Defl -0.24" in M -H L/999
LL Defl -0.11" in G -L L/999
Shear // Grain in B -C 0.30

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.49
N	MT20	3.0x 7.0	Ctr	Ctr	0.20
O	MT20	5.0x 7.0	-0.3	0.5	0.38
B	MT20	5.0x 7.0	-0.5	-0.3	0.53
C	MT20	5.0x 5.0	-0.8	-3.1	0.33
P	MT20	3.0x 7.0	Ctr	Ctr	0.29
S	MT20	4.0x 6.0	0.4	-0.3	0.37
M	MT20	3.0x 7.0	Ctr	Ctr	0.64
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	5.0x 9.0	Ctr	0.8	0.40
L	MT20	3.0x 7.0	Ctr	Ctr	0.30
K	MT20	5.0x 7.0	Ctr	-0.5	0.45
J	MT20	3.0x 7.0	Ctr	Ctr	0.38
F	MT20	3.0x 7.0	Ctr	Ctr	0.19

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

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

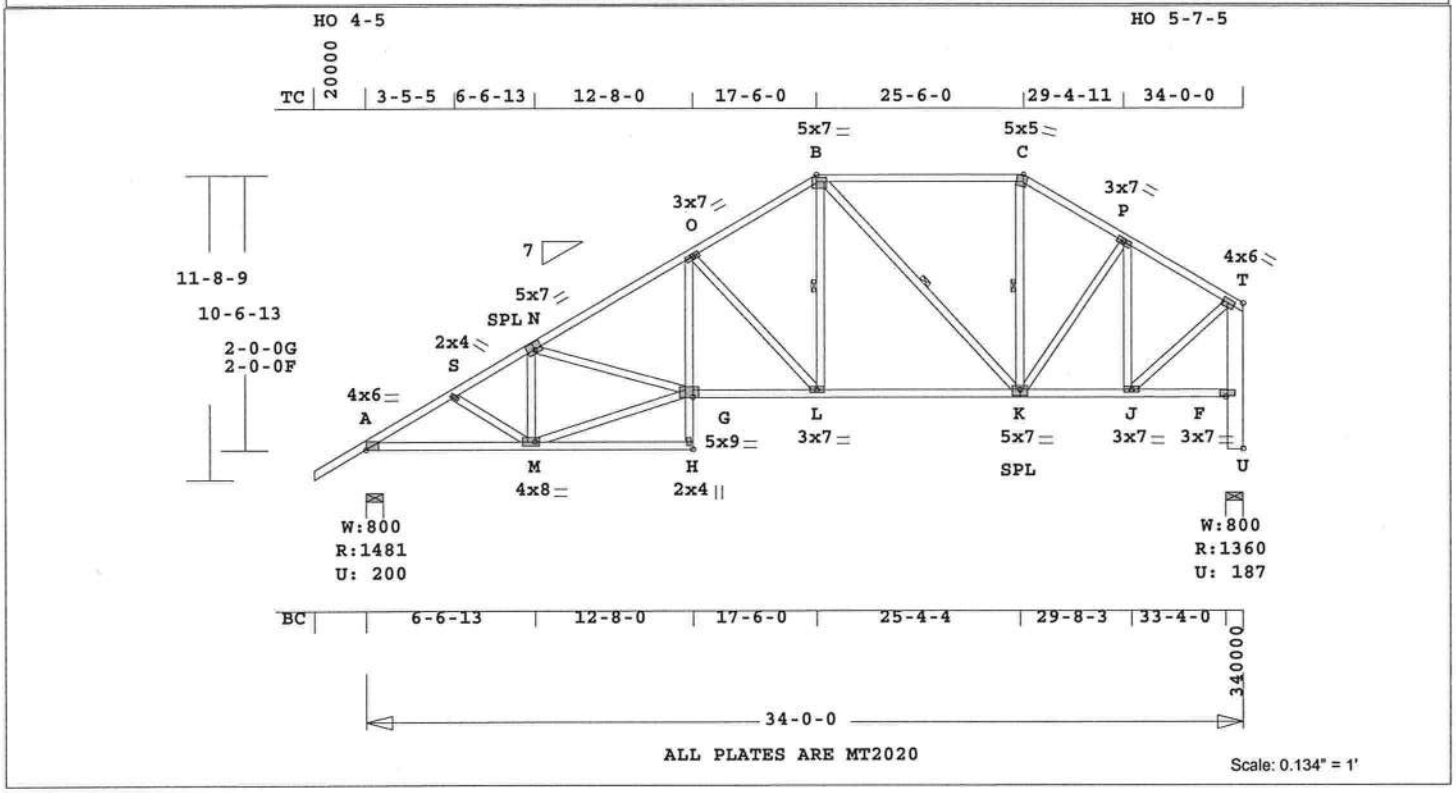
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2289 Lbs
Max tens. force 1976 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A17	1	SP	340000	7	2- 0- 0	0	T3122574

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 308.0 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	Size	Lumber
TC	0.70	2x 4	SP-#2
BC	0.48	2x 4	SP-#2
CW	0.17	2x 4	SP-#2
WB	0.70	2x 4	SP-#2
--	0.23	2x 8	SP-#2
	F -T		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 6- 0
TC	24.0"	17- 6- 0	25- 6- 0
TC	Cont.	25- 6- 0	34- 0- 0
BC	Cont.	0- 0- 0	34- 0- 0

One Continuous Lateral Brace
L -B B -K 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	1482	200 U	317 R
U	1360	188 U	181 R

Jt	Brg Size	Required
A	8.0"	1.7"
U	8.0"	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 -S	0.19	2245 C	0.03 0.16
S -N	0.31	2125 C	0.02 0.29
N -O	0.42	2288 C	0.09 0.33
O -B	0.42	1598 C	0.01 0.41
B -C	0.70	1045 C	0.02 0.68
C -P	0.32	1191 C	0.00 0.32
P -T	0.20	977 C	0.00 0.20
T -T	0.00	4 T	
Bottom Chords			
A -M	0.42	1916 T	0.32 0.10
M -H	0.22	21 T	0.00 0.22
G -L	0.48	1977 T	0.33 0.15
L -K	0.41	1381 T	0.14 0.27
K -J	0.33	836 T	0.08 0.25
J -F	0.11	398 C	0.00 0.11
Chord-Webs			
H -G	0.09	98 T	0.00 0.09
G -O	0.17	654 T	0.12 0.05
Webs			
S -M	0.01	92 C	
M -N	0.10	442 C	
M -G	0.35	1937 T	
N -G	0.08	142 C	
O -L	0.70	848 C	
L -B	0.14	761 T	1 Br
B -K	0.24	490 C	1 Br
K -C	0.04	307 T	1 Br
K -P	0.06	360 T	
J -P	0.32	603 C	
J -T	0.19	1030 T	
F -T	0.21	1308 C	0.00 0.21
U -F	0.23	1360 C	0.00 0.23

TL Defl -0.24" in M -H L/999
LL Defl -0.11" in G -L L/999
Shear // Grain in B -C 0.30

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.51
S	MT20	2.0x 4.0	Ctr	Ctr	0.23
N	MT20	5.0x 7.0	-0.3	0.5	0.38
O	MT20	3.0x 7.0	Ctr	Ctr	0.46
B	MT20	5.0x 7.0	-0.5	-0.3	0.53
C	MT20	5.0x 5.0	-0.8	-3.1	0.33
P	MT20	3.0x 7.0	Ctr	Ctr	0.29
T	MT20	4.0x 6.0	0.4	-0.3	0.37
M	MT20	4.0x 8.0	Ctr	Ctr	0.74
H	MT20	2.0x 4.0	Ctr	Ctr	0.58
G	MT20	5.0x 9.0	Ctr	0.8	0.40
L	MT20	3.0x 7.0	Ctr	Ctr	0.31
K	MT20	5.0x 7.0	Ctr	-0.5	0.45
J	MT20	3.0x 7.0	Ctr	Ctr	0.38
F	MT20	3.0x 7.0	Ctr	Ctr	0.19

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

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

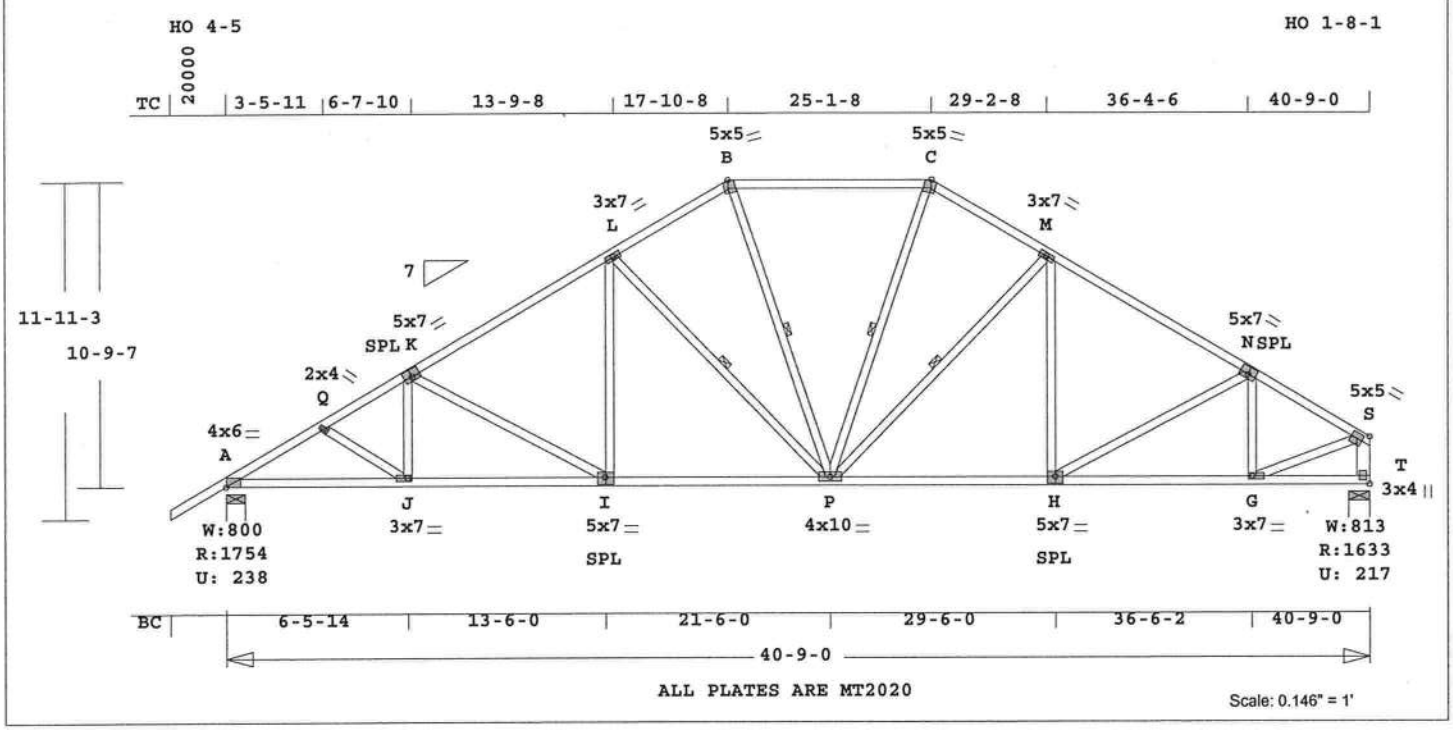
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2288 Lbs
Max tens. force 1977 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A18	1	HIPP	400900	7	2- 0- 0	0	T3122575

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 340.6 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.57	2x 4	SP-#2
BC	0.56	2x 4	SP-#2
WB	0.53	2x 4	SP-#2
--	0.10	2x 6	SP-#2
	T -S		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	40- 9- 0
BC	Cont.	0- 0- 0	40- 9- 0

One Continuous Lateral Brace
L -P B -P P -C P -M
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	1755	239 U	221 R
T	1633	218 U	249 R

Jt	Brg Size	Required
A	8.0"	2.1"
T	8.8"	1.9"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
--------Top Chords----------			
A -Q	0.26	2744 C	0.05 0.21
Q -K	0.43	2643 C	0.04 0.39
K -L	0.57	2141 C	0.11 0.46
L -B	0.33	1599 C	0.01 0.32
B -C	0.56	1533 C	0.03 0.53
C -M	0.34	1599 C	0.01 0.33
M -N	0.54	1929 C	0.09 0.45
N -S	0.40	1816 C	0.01 0.39
--------Bottom Chords---------			
A -J	0.52	2339 T	0.39 0.13
J -I	0.56	2321 T	0.38 0.18
I -P	0.52	1847 T	0.19 0.33
P -H	0.50	1664 T	0.17 0.33
H -G	0.46	1592 T	0.16 0.30
G -T	0.18	229 T	0.00 0.18
----------Webs----------			
Q -J	0.01	53 C	
J -K	0.03	253 T	
K -I	0.53	537 C	
I -L	0.07	495 T	
L -P	0.33	670 C	1 Br
B -P	0.09	497 T	1 Br
P -C	0.09	498 T	1 Br
P -M	0.20	416 C	1 Br
H -M	0.04	275 T	
H -N	0.06	98 T	
G -N	0.11	473 C	
G -S	0.31	1699 T	
T -S	0.10	1601 C	WindLd

TL Defl -0.26" in I -P L/999
LL Defl -0.11" in J -I L/999
Shear // Grain in B -C 0.26

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.63
Q	MT20	2.0x 4.0	Ctr	Ctr	0.23
K	MT20	5.0x 7.0	-0.3	0.5	0.38
L	MT20	3.0x 7.0	Ctr	Ctr	0.36
B	MT20	5.0x 5.0	0.8	-3.1	0.35
C	MT20	5.0x 5.0	-0.8	-3.1	0.35
M	MT20	3.0x 7.0	Ctr	Ctr	0.26
N	MT20	5.0x 7.0	0.3	0.5	0.38
S	MT20	5.0x 5.0	Ctr	Ctr	0.66
J	MT20	3.0x 7.0	Ctr	Ctr	0.19
I	MT20	5.0x 7.0	Ctr	-0.5	0.45
P	MT20	4.0x10.0	Ctr	Ctr	0.21
H	MT20	5.0x 7.0	Ctr	-0.5	0.39
G	MT20	3.0x 7.0	Ctr	Ctr	0.56
T	MT20	3.0x 4.0	Ctr	Ctr	0.22

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

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

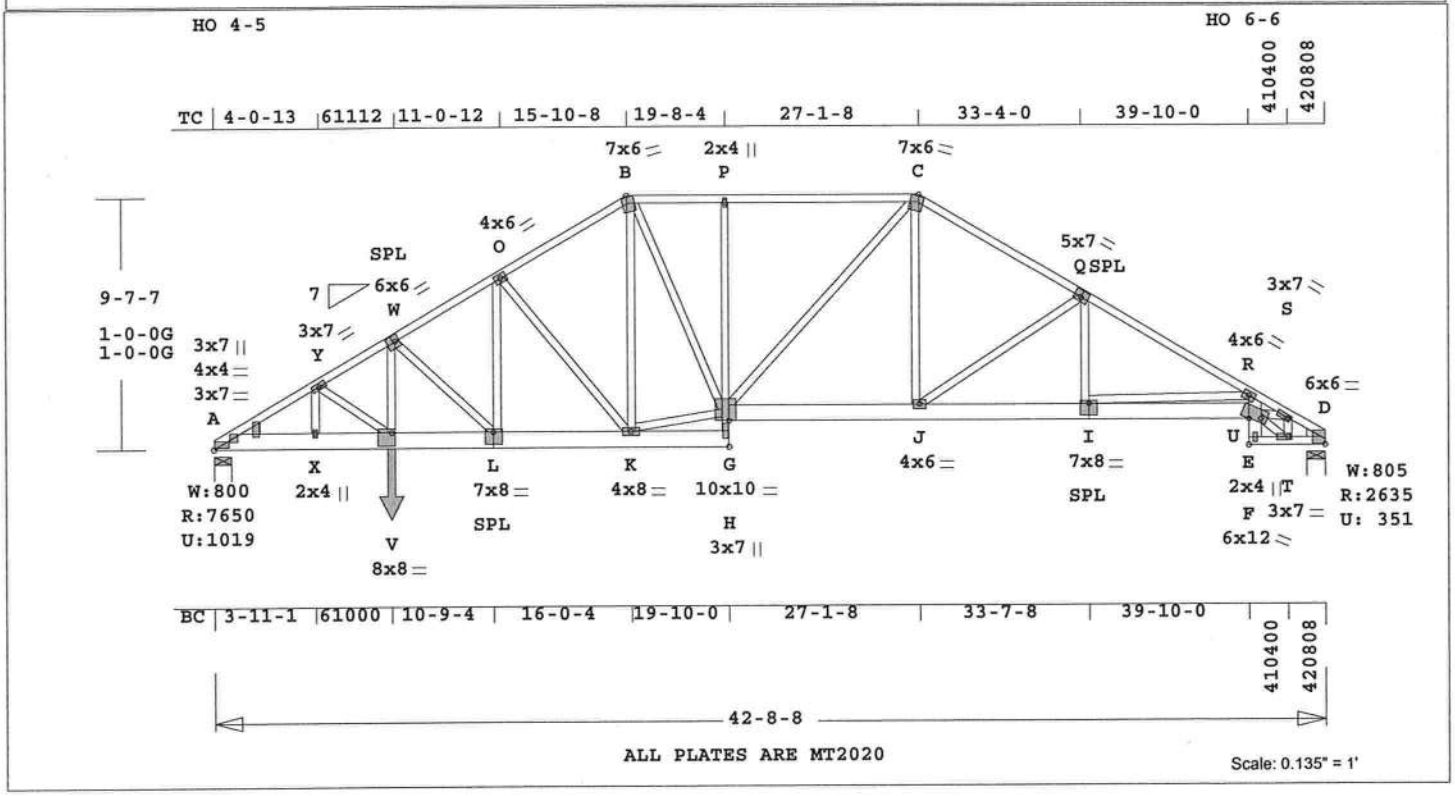
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2744 Lbs
Max tens. force 2339 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A19GIR	1*2P	SP	420808	7	0	0	T3122576

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™

```
Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08
***************
* 2-Ply Truss *
***************

     CSI -Size- ----Lumber----
TC  0.55  2x 4  SP-#2
--  0.44  2x 4  SP-#1
    Q -D
BC  0.52  2x 4  SP-#1
--  0.44  2x 8  SP-2401
    A -L   L -H   G -I   I -F
CW  0.91  2x 6  SP-#2
--  0.18  2x 4  SP-#2
    H -P
WB  0.53  2x 4  SP-#2
WG   ---  2x 6  SP-#2
PB   ---  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0 42- 8- 8
 BC  Cont.    0- 0- 0 42- 8- 8

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   7650  1019 U   202 R
D   2635   351 U   201 R

Jt   Brg Size   Required
A       8.0"       3.2"
D       8.3"       1.6"

LC#  1  Standard Loading
Dur Fctrs - Lbr 1.25  Plt 1.25
plf - Dead  Live* From    To
TC V    20    40   0.0'  42.7'
BC V    20     0   0.0'  42.7'
BC V   140   140   0.0'   5.8'
BC V  2618  2618   6.8'  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 -Y  0.55 13459 C  0.40  0.15
Y -W  0.47 12560 C  0.37  0.10
W -O  0.28  7980 C  0.17  0.11
O -B  0.33  5247 C  0.05  0.28
B -P  0.31  4821 C  0.04  0.27
P -C  0.42  4822 C  0.10  0.32
C -Q  0.32  4456 C  0.04  0.28
Q -R  0.44  5536 C  0.14  0.30
R -S  0.27  9007 C  0.13  0.14
S -D  0.31  3727 C  0.02  0.29
--------Bottom Chords---------
A -X  0.37 11639 T  0.22  0.15
X -V  0.37 11639 T  0.22  0.15
V -L  0.32 10860 T  0.20  0.12
L -K  0.14  6893 T  0.13  0.01
K -H  0.00   178 T
G -J  0.10  3842 T  0.07  0.03
J -I  0.14  4798 T  0.09  0.05
I -F  0.44  7501 T  0.14  0.30
E -T  0.22  1551 T  0.11  0.11
T -D  0.52  3041 T  0.22  0.30
----------Chord-Webs----------
H -G  0.18    59 T  0.00  0.18
G -P  0.02   463 C  0.02  0.00
E -F  0.91   124 T  0.00  0.91
F -R  0.20  1716 T  0.11  0.09
------------Webs-------------
X -Y  0.08   932 T
Y -V  0.05   972 C
V -W  0.53  5875 T
W -L  0.39  5468 C
L -O  0.37  4054 T
O -K  0.48  3704 C
K -B  0.16  1891 T
K -G  0.41  4513 T
B -G  0.06   702 T
G -C  0.13  1464 T
J -C  0.06   772 T
J -Q  0.14  1146 C
I -Q  0.07   799 T
I -R  0.25  2714 C
F -S  0.44  4809 T
F -T  0.18  2016 T
T -S  0.08  1838 C

TL Defl  -0.40" in G -J  L/999
LL Defl  -0.20" in G -J  L/999
Shear // Grain  in E -F   0.64

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 0.5 0.3 0.87
```

APPROX. TRUSS WEIGHT: 434.4 LBS

```
A  MT20  4.0x 4.0 0.1 Ctr 0.99
A  MT20  3.0x 7.0 Ctr Ctr 0.00
Y  MT20  3.0x 7.0 Ctr Ctr 0.23
W  MT20  6.0x 6.0 Ctr 0.1 0.66
O  MT20  4.0x 6.0 Ctr Ctr 0.80
B  MT20  7.0x 6.0 1.1-4.2 0.59
P  MT20  2.0x 4.0 Ctr Ctr 0.15
C  MT20  7.0x 6.0-1.1-4.2 0.53
Q  MT20  5.0x 7.0 0.3 0.5 0.38
R  MT20  4.0x 6.0 Ctr Ctr 0.45
S  MT20  3.0x 7.0 Ctr Ctr 0.71
D  MT20  6.0x 6.0-2.0 0.5 0.37
X  MT20  2.0x 4.0 Ctr Ctr 0.31
V  MT20  8.0x 8.0-0.5-2.1 0.95
L  MT20  7.0x 8.0 Ctr-2.0 0.80
K  MT20  4.0x 8.0 Ctr Ctr 0.93
H  MT20  3.0x 7.0 Ctr Ctr 0.68
G  MT20 10.0x10.0 Ctr 1.4 0.42
J  MT20  4.0x 6.0 Ctr Ctr 0.15
I  MT20  7.0x 8.0 Ctr-2.0 0.77
F  MT20  6.0x12.0 0.1 0.3 0.59
E  MT20  2.0x 4.0 Ctr Ctr 0.91
T  MT20  3.0x 7.0 Ctr Ctr 0.36

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
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
  pattern.  (1/2" bolts -OR-
  SDS3   screws -OR- 10d nails
  as each layer is applied.)
          ----Spacing (In)----
    Rows  Nails  Screws  Bolts
  TC  1    12      24       0
  BC  1    12      24       0
  WB  1     8       8
Web Connection Exception --
Use 4" spacing for screws or
nails on the following webs
W -L   O -K
Plus clusters of nails where
  shown.
Design checked for 10 psf non-
  concurrent LL on BC.
```

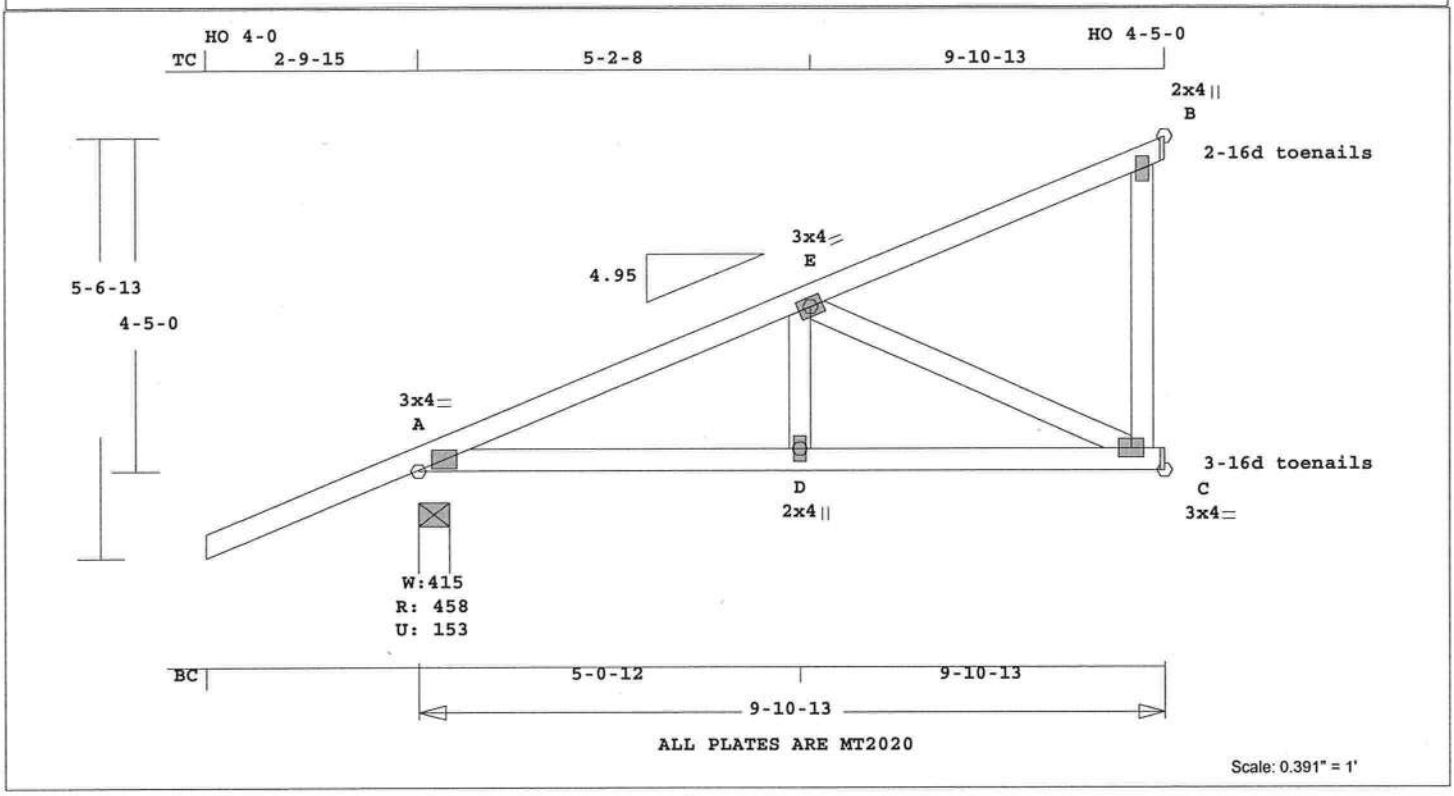
```
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          110 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:          5.0 psf
  BC Dead Load:          5.0 psf
Max comp. force    13459 Lbs
Max tens. force    11639 Lbs
Quality Control Factor 1.25
```


Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	CJ1A	2	MONO.DD	91013	4.95	2- 9-15	0	T3122577

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 64.4 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	Size	Lumber
TC	0.40	2x 4	SP-#2
BC	0.26	2x 4	SP-#2
WB	0.22	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	458	154 U	108 R
C	348	115 U	
B	242	85 U	148 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 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 -E	0.40	645 T	0.09 0.31
E -B	0.40	92 T	0.00 0.40
Bottom Chords			
A -D	0.22	699 C	0.06 0.16
D -C	0.26	699 C	0.06 0.20
Webs			
D -E	0.03	295 C	
E -C	0.22	885 T	
C -B	0.07	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 0.27

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.54
E	MT20	3.0x 4.0	Ctr	Ctr	0.37
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	2.0x 4.0	Ctr	Ctr	0.15
C	MT20	3.0x 4.0	Ctr	Ctr	0.40

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

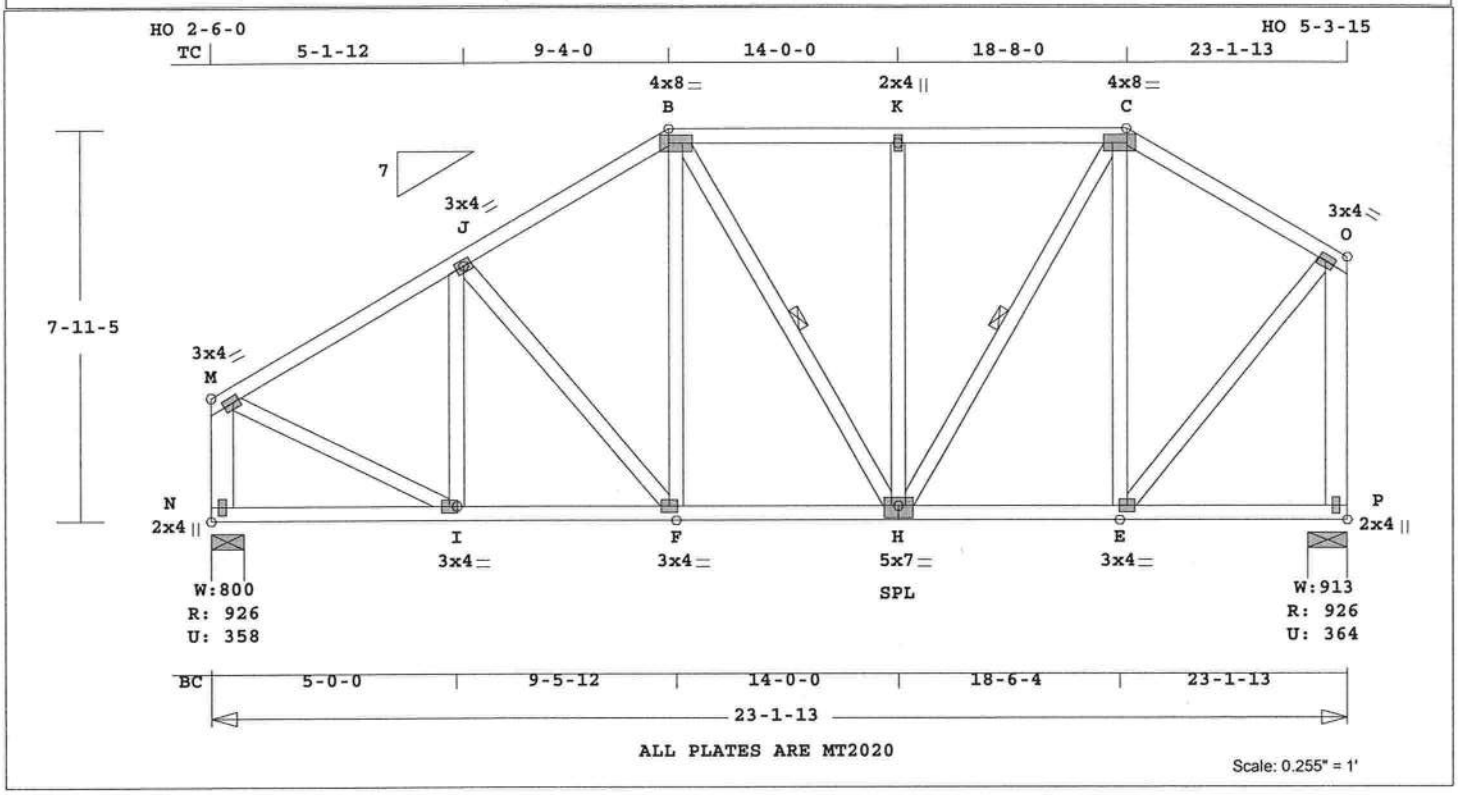
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 9-10-13
Max comp. force 699 Lbs
Max tens. force 885 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	H1	1	HIPP	230113	7	0	0	T3122578

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 228.7 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.23	2x 4	SP-#2
BC	0.20	2x 4	SP-#2
WB	0.36	2x 4	SP-#2
--	0.23	2x 6	SP-#2

N -M P -O

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	23- 1-13
BC	Cont.	0- 0- 0	23- 1-13

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
N	926	358 U	178 R
P	926	365 U	229 R

Jt	Brg Size	Required
N	8.0"	1.5"
P	9.8"	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			
M -J	0.23	800 C	0.00 0.23
J -B	0.23	772 C	0.00 0.23
B -K	0.20	660 C	0.00 0.20
K -C	0.20	660 C	0.00 0.20
C -O	0.20	496 C	0.00 0.20
Bottom Chords			
N -I	0.13	148 T	0.00 0.13
I -F	0.20	703 T	0.07 0.13
F -H	0.16	658 T	0.11 0.05
H -E	0.16	437 T	0.04 0.12
E -P	0.12	162 T	0.00 0.12
Webs			
N -M	0.07	882 C	WindLd
M -I	0.19	781 T	
I -J	0.09	238 C	
J -F	0.09	140 C	
F -B	0.16	205 T	
B -H	0.01	68 T	1 Br
H -K	0.26	291 C	
H -C	0.09	437 T	1 Br
E -C	0.36	403 C	
E -O	0.25	664 T	
P -O	0.23	886 C	WindLd

TL Defl -0.04" in F -H L/999
LL Defl -0.02" in N -I L/999
Shear // Grain in M -J 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
M	MT20	3.0x 4.0	-0.4	-0.3	0.51
J	MT20	3.0x 4.0	Ctr	Ctr	0.38
B	MT20	4.0x 8.0	Ctr	Ctr	0.58
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	4.0x 8.0	Ctr	Ctr	0.58
O	MT20	3.0x 4.0	0.4	-0.3	0.47
N	MT20	2.0x 4.0	Ctr	Ctr	0.38
I	MT20	3.0x 4.0	Ctr	Ctr	0.46
F	MT20	3.0x 4.0	Ctr	Ctr	0.33
H	MT20	5.0x 7.0	Ctr	-0.5	0.46
E	MT20	3.0x 4.0	Ctr	Ctr	0.42
P	MT20	2.0x 4.0	Ctr	Ctr	0.39

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

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

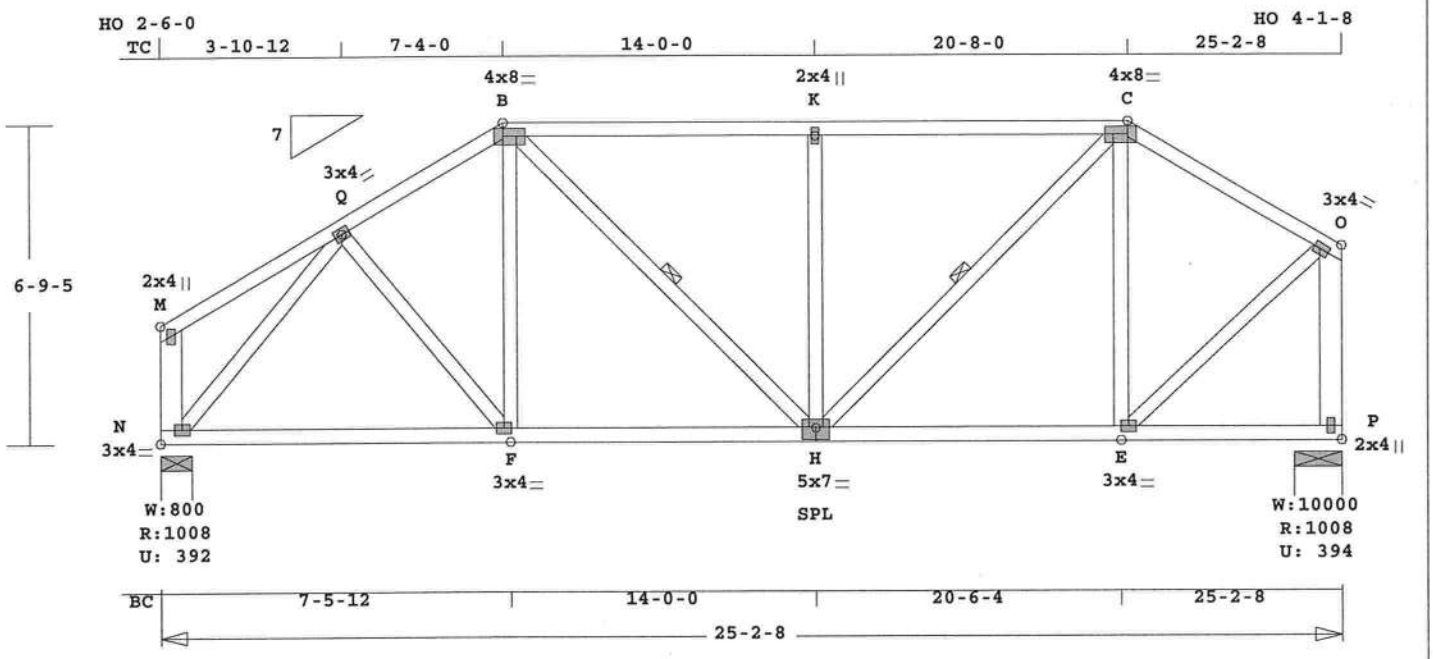
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 23- 1-13
Max comp. force 886 Lbs
Max tens. force 781 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	H2	1	HIPP	250208	7	0	0	T3122579

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 215.2 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
BC	0.40	2x 4	SP-#2
WB	0.53	2x 4	SP-#2
--	0.15	2x 6	SP-#2

N -M P -O

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	25- 2- 8
BC	Cont.	0- 0- 0	25- 2- 8

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
N	1008	392 U	155 R
P	1008	395 U	186 R

Jt	Brg Size	Required
N	8.0"	1.5"
P	12.0"	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			
M -Q	0.13	102 T	0.00 0.13
Q -B	0.19	930 C	0.10 0.09
B -K	0.46	981 C	0.00 0.46
K -C	0.46	981 C	0.00 0.46
C -O	0.19	661 C	0.00 0.19
Bottom Chords			
N -F	0.38	688 T	0.06 0.32
F -H	0.40	808 T	0.08 0.32
H -E	0.26	583 T	0.06 0.20
E -P	0.19	134 T	0.00 0.19
Webs			
N -M	0.02	120 C	WindLd
N -Q	0.53	1081 C	
Q -F	0.06	216 T	
F -B	0.05	145 T	
B -H	0.05	242 T	1 Br
H -K	0.28	436 C	
H -C	0.12	557 T	1 Br
E -C	0.24	387 C	
E -O	0.24	770 T	
P -O	0.15	973 C	WindLd

TL Defl -0.17" in N -F L/999
LL Defl -0.08" in N -F L/999
Shear // Grain in B -K 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
M	MT20	2.0x 4.0	Ctr	Ctr	0.23
Q	MT20	3.0x 4.0	Ctr	Ctr	0.76
B	MT20	4.0x 8.0	Ctr	Ctr	0.58
K	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	4.0x 8.0	Ctr	Ctr	0.58
O	MT20	3.0x 4.0	0.4-0.3		0.53
N	MT20	3.0x 4.0	Ctr	Ctr	0.50
F	MT20	3.0x 4.0	Ctr	Ctr	0.33
H	MT20	5.0x 7.0	Ctr-0.5		0.44
E	MT20	3.0x 4.0	Ctr	Ctr	0.47
P	MT20	2.0x 4.0	Ctr	Ctr	0.44

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.

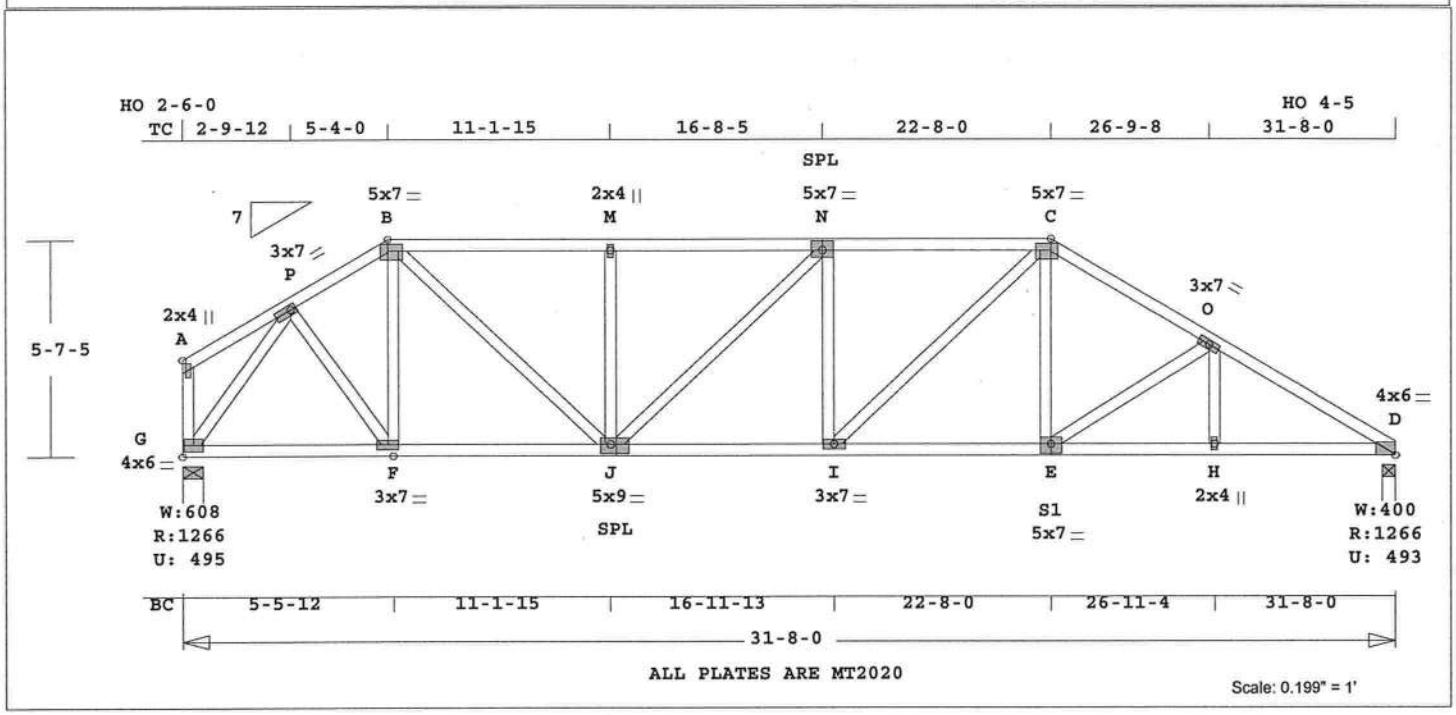
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 25- 2- 8
Max comp. force 1081 Lbs
Max tens. force 825 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	H3	1	HIPP	310800	7	0	0	T3122580

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 238.5 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.39	2x 4	SP-#2
BC	0.40	2x 4	SP-#2
WB	0.73	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	31- 8- 0
BC	Cont.	0- 0- 0	31- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
G	1267	495 U	141 R
D	1267	494 U	100 R

Jt	Brg Size	Required
G	6.5"	1.5"
D	4.0"	1.5"

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

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -P	0.08	85 T	0.00		0.08
P -B	0.23	1218 T	0.16		0.07
B -M	0.35	1725 C	0.22		0.13
M -N	0.37	1725 C	0.22		0.15
N -C	0.39	1885 C	0.24		0.15
C -O	0.36	1768 C	0.22		0.14
O -D	0.33	2054 C	0.24		0.09
Bottom Chords					
G -F	0.27	796 T	0.08		0.19
F -J	0.30	1064 T	0.11		0.19
J -I	0.40	1885 T	0.31		0.09
I -S1	0.34	1529 T	0.25		0.09
S1-H	0.37	1767 T	0.29		0.08
H -D	0.37	1767 T	0.29		0.08
Webs					
G -A	0.03	92 C	WindLd		
G -P	0.45	1388 C			
P -F	0.13	462 T			
F -B	0.11	257 C			
B -J	0.73	899 T			
J -M	0.15	349 C			
J -N	0.19	219 C			
I -N	0.09	212 C			
I -C	0.40	484 T			
S1-C	0.15	363 C			
S1-O	0.11	311 T			
H -O	0.02	152 T			

TL Defl -0.17" in I -S1 L/999
LL Defl -0.08" in J -I L/999
Shear // Grain in N -C 0.24

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.23
P	MT20	3.0x 7.0	-1.4	-0.8	0.33
B	MT20	5.0x 7.0	-0.5	-0.3	0.53
M	MT20	2.0x 4.0	Ctr	Ctr	0.29
N	MT20	5.0x 7.0	Ctr	0.5	0.40
C	MT20	5.0x 7.0	0.5	-0.3	0.53
O	MT20	3.0x 7.0	Ctr	Ctr	0.22
D	MT20	4.0x 6.0	-0.2	0.1	0.47
G	MT20	4.0x 6.0	Ctr	Ctr	0.34
F	MT20	3.0x 7.0	Ctr	Ctr	0.22
J	MT20	5.0x 9.0	-0.5	-0.5	0.56
I	MT20	3.0x 7.0	Ctr	Ctr	0.19
S1	MT20	5.0x 7.0	Ctr	-0.5	0.39
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
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: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	31- 8- 0

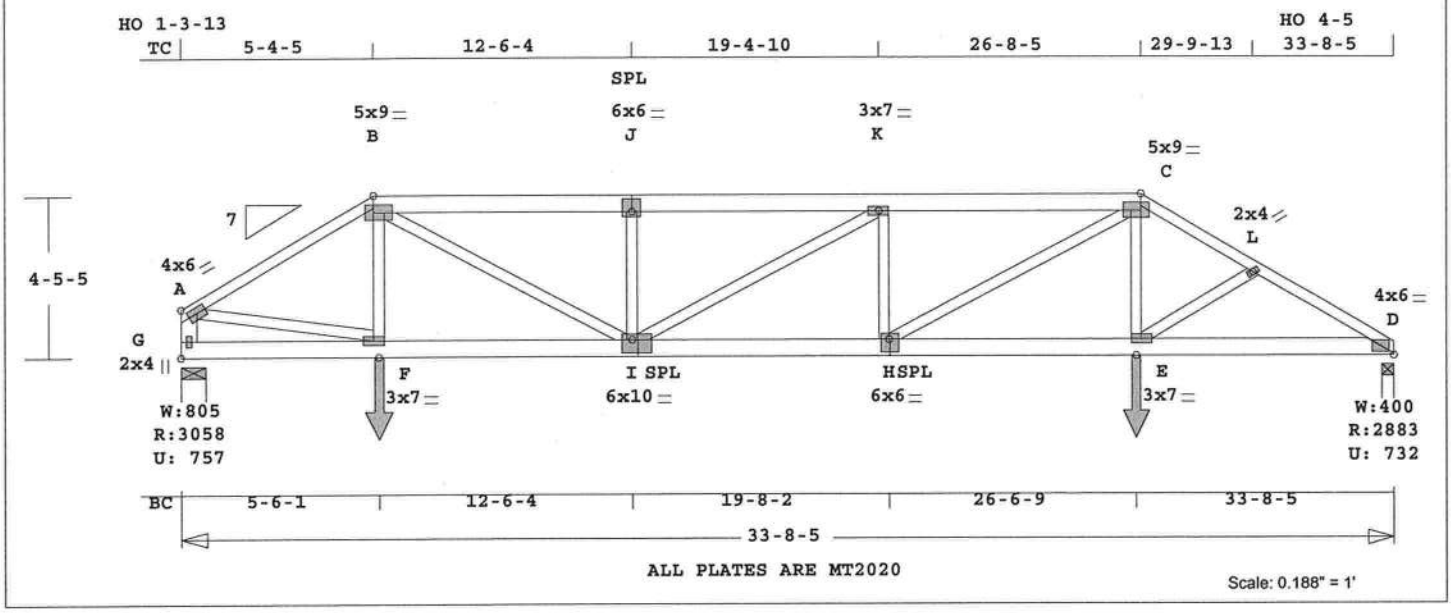
Max comp. force 2054 Lbs
Max tens. force 1885 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	H4GIR	1*2P	HIPP	330805	7	0	0	T3122581

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 271.8 LBS

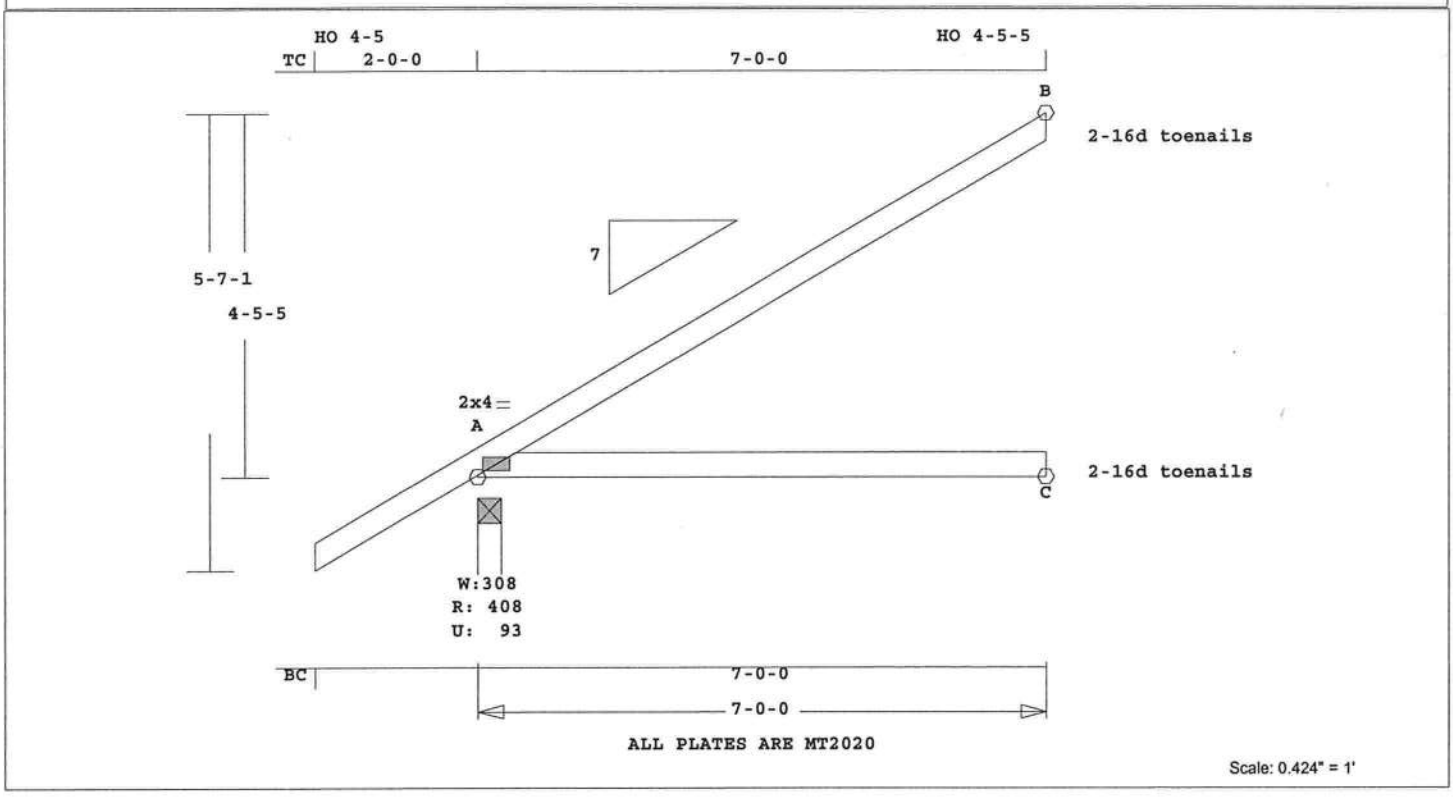
```
Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08
***************
* 2-Ply Truss *
***************

     CSI -Size- ----Lumber----
TC  0.35  2x 6  SP-#2
--  0.34  2x 4  SP-#2
    A -B   C -D
BC  0.51  2x 6  SP-#2
WB  0.34  2x 4  SP-#2
--  0.09  2x 6  SP-#2
    G -A

Brace truss as follows:
      O.C.     From       To
 TC  Cont.     0- 0- 0 33- 8- 5
 BC  Cont.     0- 0- 0 33- 8- 5

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.00  Fc=1.00  Ft=1.00
BC Fb=1.00  Fc=1.00  Ft=1.00

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
G   3058   757 U   100 R
D   2883   732 U    80 R

Jt   Brg Size   Required
G       8.3"       1.8"
D       4.0"       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'  33.7'
BC V    20     0   0.0'  33.7'
TC V    25    50   5.4'  26.7'
BC V    25     0   5.5'  26.5'
BC V   280   280   5.5'  CL-LB
BC V   280   280  26.5'  CL-LB

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

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -B  0.25  4244 C  0.17  0.08
B -J  0.31  6389 C  0.04  0.27
J -K  0.33  6389 C  0.19  0.14
K -C  0.35  6688 C  0.04  0.31
C -L  0.34  5120 C  0.21  0.13
L -D  0.26  5215 C  0.21  0.05
--------Bottom Chords---------
G -F  0.08    86 T  0.00  0.08
F -I  0.33  3678 T  0.24  0.09
I -H  0.51  6688 T  0.44  0.07
H -E  0.39  4451 T  0.29  0.10
E -D  0.34  4476 T  0.29  0.05
------------Webs-------------
G -A  0.09  3012 C WindLd
A -F  0.34  3752 T
F -B  0.02   308 T
B -I  0.28  3082 T
I -J  0.05   981 C
I -K  0.04   343 C
H -K  0.04   870 C
H -C  0.23  2543 T
E -C  0.07   832 T
E -L  0.00   108 C

TL Defl  -0.28" in I -H  L/999
LL Defl  -0.14" in I -H  L/999
Shear // Grain  in K -C   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 Ctr 0.63
B  MT20  5.0x 9.0 Ctr Ctr 0.73
J  MT20  6.0x 6.0 Ctr 1.2 0.43
K  MT20  3.0x 7.0 Ctr Ctr 0.10
C  MT20  5.0x 9.0 Ctr Ctr 0.73
L  MT20  2.0x 4.0 Ctr Ctr 0.13
D  MT20  4.0x 6.0 Ctr Ctr 0.59
G  MT20  2.0x 4.0 Ctr Ctr 0.56
F  MT20  3.0x 7.0 Ctr Ctr 0.82
I  MT20  6.0x10.0-0.5-1.2 0.93
H  MT20  6.0x 6.0 Ctr-1.2 0.58
E  MT20  3.0x 7.0 Ctr Ctr 0.15

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

2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
  pattern.  (1/2" bolts -OR-
  SDS3   screws -OR- 10d nails
  as each layer is applied.)
          ----Spacing (In)----
    Rows  Nails  Screws  Bolts
  TC  1     12      24       0
  BC  2     12      24       0
  WB  1      8       8
Plus clusters of nails where
  shown.
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:          110 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
User-defined wind-exposed BC
  regions  --From--    ---To---
           0- 0- 0    33- 8- 5
Max comp. force     6688 Lbs
Max tens. force     6688 Lbs
Quality Control Factor 1.25
```


Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	J1A	12	JCA2	70000	7	2- 0- 0	0	T3122582

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 33.2 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.63	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	409	93 U	203 R
C	133	49 U	
B	189	99 U	84 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.49	118 C	0.00 0.49
--------Bottom Chords---------			
A -C	0.63	0 T	0.00 0.63

TL Defl -0.19" in A -C L/412
LL Defl -0.08" in A -C L/999
Shear // Grain in A -C 0.30

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.62

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: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC

regions	--From--	---To---
	0- 0- 0	7- 0- 0
Max comp. force		118 Lbs
Max tens. force		62 Lbs

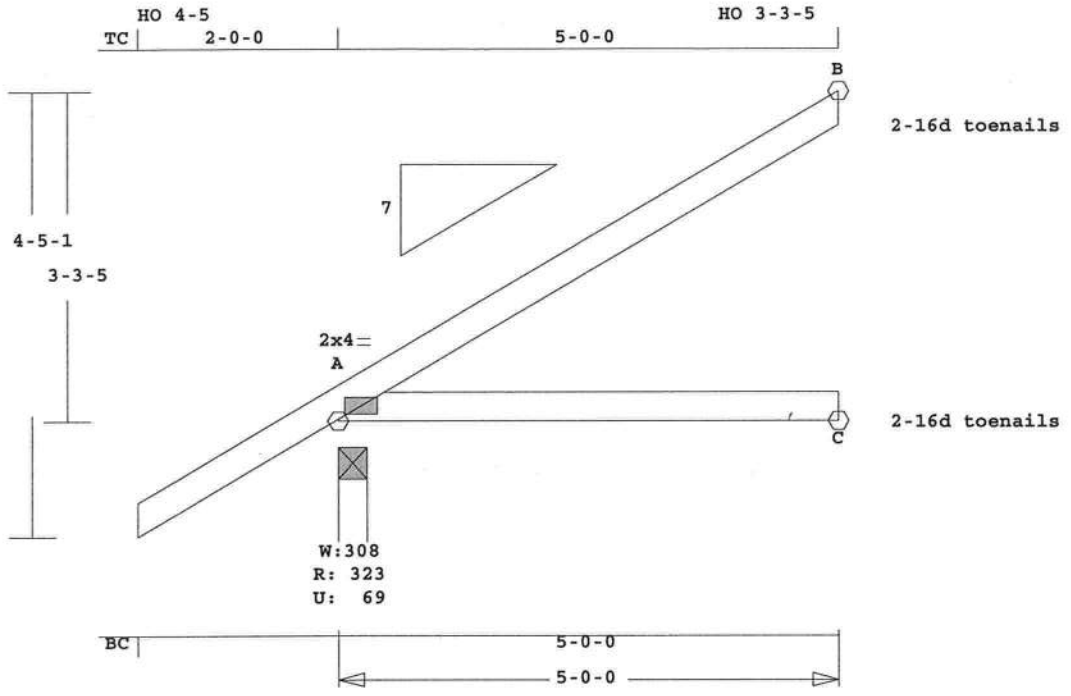
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	J2A	2	JCA2	50000	7	2- 0- 0	0	T3122583

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 25.1 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
BC	0.35	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	324	70 U	151 R
C	94	34 U	
B	142	75 U	60 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.25	94 C	0.00 0.25
B -B	0.00	4 C	
--------Bottom Chords---------			
A -C	0.35	0 T	0.00 0.35

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -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	2.0x 4.0	Ctr	Ctr	0.62

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: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf

User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	5- 0- 0

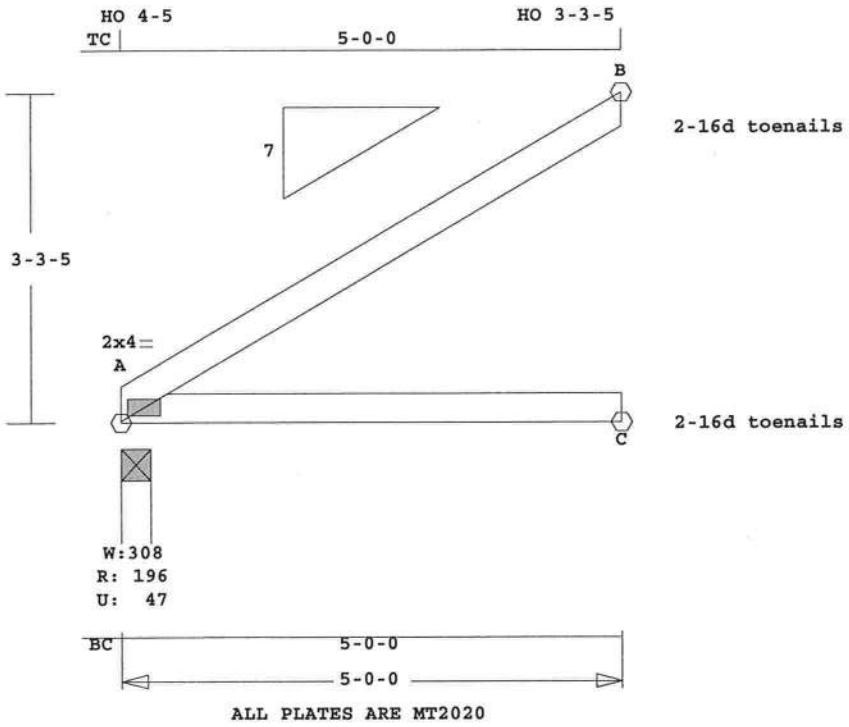
Max comp. force 94 Lbs
Max tens. force 46 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	*J2B*	2	JCA2	50000	7	0	0	*T3122584*

SINGELTON REV.1



ALL PLATES ARE MT2020

Scale: 0.521" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 20.7 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
BC	0.36	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	197	48 U	151 R
C	92	33 U	
B	142	75 U	60 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.25	94 C	0.00 0.25
B -B	0.00	4 C	
--------Bottom Chords---------			
A -C	0.36	0 T	0.00 0.36

TL Defl -0.05" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -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	2.0x 4.0	Ctr	Ctr	0.62

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
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: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---

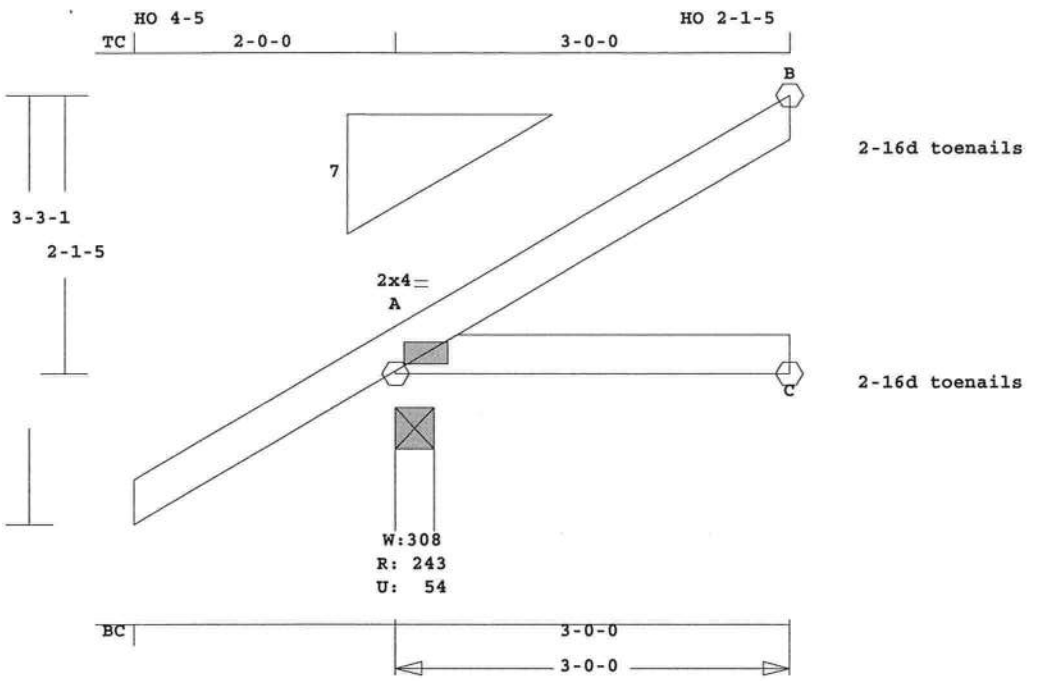
0- 0- 0 5- 0- 0
Max comp. force 94 Lbs
Max tens. force 45 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	J3A	4	JCA2	30000	7	2- 0- 0	0	T3122585

SINGELTON REV.1



Scale: 0.683" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 16.9 LBS

```
Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

     CSI -Size- ----Lumber----
TC  0.08  2x 4  SP-#2
BC  0.11  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    243    54 U    91 R
C     56    21 U
B     88    47 U    36 R

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

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

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -B  0.08    58 C  0.00  0.08
B -B  0.00     4 C
--------Bottom Chords---------
A -C  0.11     0 T  0.00  0.11
```

```
TL Defl   0.00" in A -C  L/999
LL Defl   0.00" in A -C  L/999
Shear // Grain  in A -C   0.13

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 0.62

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:          110 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
```

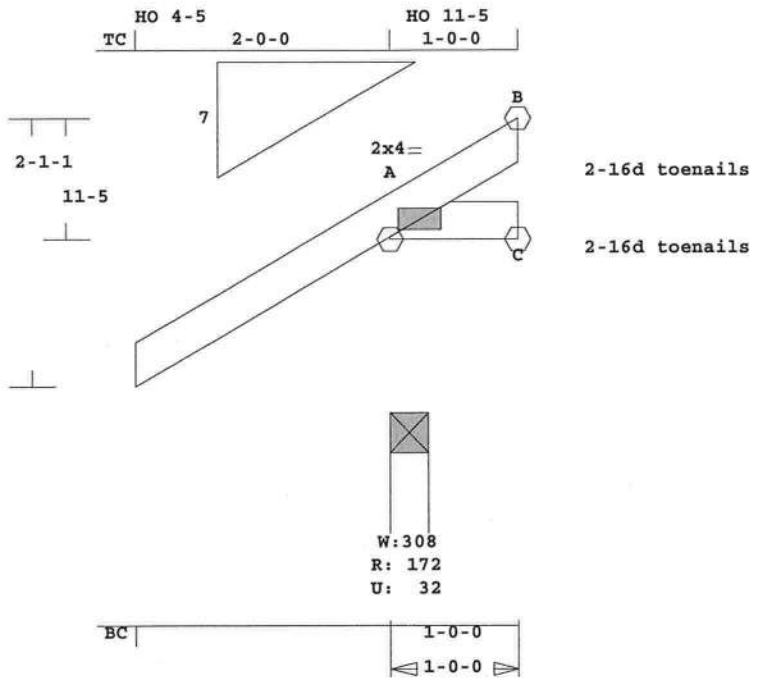
```
User-defined wind-exposed BC
  regions  --From--   ---To---
             0- 0- 0    3- 0- 0
Max comp. force       58 Lbs
Max tens. force       29 Lbs
Quality Control Factor 1.25
```


Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	J4A	4	JCA2	10000	7	2- 0- 0	0	T3122586

SINGELTON REV.1



ALL PLATES ARE MT2020

Scale: 0.663" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 8.8 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

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

Brace truss as follows:

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	172	33 U	32 R
B	24	14 U	
C	17	8 U	11 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.00	16 C	
--------Bottom Chords---------			
A -C	0.00	11 T	

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

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.62

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: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC

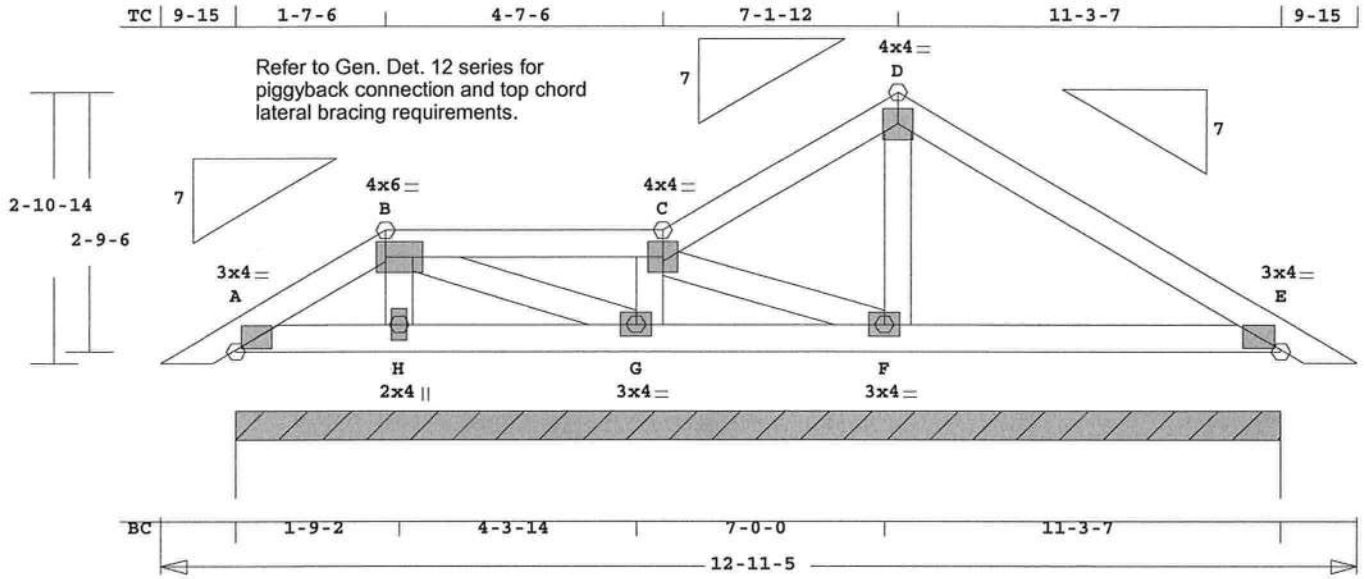
regions	--From--	---To---
	0- 0- 0	1- 0- 0
Max comp. force		16 Lbs
Max tens. force		11 Lbs
Quality Control Factor		1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	P99	1	SP	121105	7	9-15	9-15	T3122587

SINGELTON REV.1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 65.3 LBS

Online Plus -- Version 22.0.019
RUN DATE: 19-AUG-08

	CSI	-Size-	----Lumber----
TC	0.12	2x 4	SP-#2
BC	0.08	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	12-11- 5
BC	Cont.	0- 0- 0	12-11- 5

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 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	935	126 U	47 R

Jt	Brg Size	Required
A	135.4"	0"-to- 135"

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	0.01	64 C	0.00	0.01
B -C	0.05	105 C	0.00	0.05
C -D	0.06	154 C	0.00	0.06
D -E	0.12	158 C	0.00	0.12
Bottom Chords				
A -H	0.03	1 T	0.00	0.03
H -G	0.03	0 T	0.00	0.03
G -F	0.08	0 T	0.00	0.08
F -E	0.08	1 T	0.00	0.08
Webs				
H -B	0.01	117 C		
B -G	0.00	36 T		
G -C	0.02	231 C		
C -F	0.00	36 T		
F -D	0.00	43 C		

TL Defl -0.01" in F -E L/999
LL Defl -0.01" in F -E L/999
Shear // Grain in D -E 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	3.0x 4.0	Ctr	Ctr	0.50
B	MT20	4.0x 6.0	Ctr	Ctr	0.58
C	MT20	4.0x 4.0	Ctr	Ctr	0.58
D	MT20	4.0x 4.0	Ctr	Ctr	0.43
E	MT20	3.0x 4.0	Ctr	Ctr	0.50
H	MT20	2.0x 4.0	Ctr	Ctr	0.13
G	MT20	3.0x 4.0	Ctr	Ctr	0.17
F	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
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: 110 mph

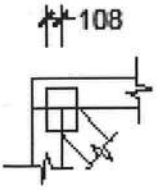
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 231 Lbs
Max tens. force 161 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

August 19,2008

ROBBINS ENG. GENERAL NOTES & SYMBOLS

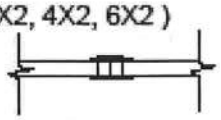
PLATE LOCATION



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 adajcent truss members.

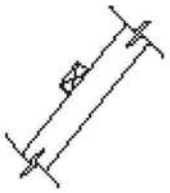
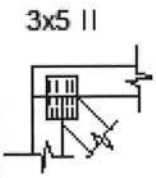


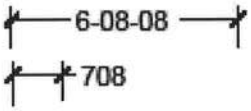
PLATE SIZE AND ORIENTATION

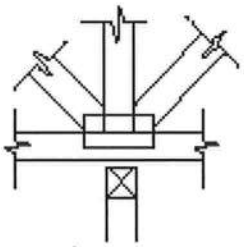


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 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

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 24-6S-17-09769-006 **Building permit No.** 000027338

Use Classification SFD/UTILITY **Fire:** 85.54

Permit Holder PHILIP EVANS **Waste:** 117.25

Owner of Building HOWARD & JUANITA SINGLETON **Total:** 202.79

Location: 511 SE WATERLEAF DR, LAKE CITY, FL 32024

Date: 03/12/2009

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 116 NW 16 AVE
City _____ Phone 372 6401

Site Location: Subdivision _____
Lot # _____ Block# _____ Permit # 27338
Address 511 wake ' LCAP Rd

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		224	45

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 EB.

3/11 Date | 10:40 Time | Edwin Broom 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: 116 N.W 16 AVE
City Gville Phone 376-2664

Site Location: Subdivision _____
Lot # _____ Block# _____ Permit # 27338
Address 511 SE waterLEAF DR ~~Gville~~

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
3742	3742	276	187

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 _____.

9/25	1:47	Edwin Brown
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©