

APPLICANTPHILIP EVANSPHONE352.332.8806

ADDRESS2830NW 143RD TERRACENEWBERRYFL32669

OWNERHOWARD & JUANITA SINGLETONPHONE386.454.8285

ADDRESS511SE WATERLEAF DRIVELAKE CITYFL32024

CONTRACTORPHILIP EVANSPHONE352.494.3545

LOCATION OF PROPERTY41/441 TO C-18,TL TO WATERLEAF,TR AND 2 1/2 MILES TO SITE
ON L.

TYPE DEVELOPMENTSFD/UTILITYESTIMATED COST OF CONSTRUCTION187100.00

HEATED FLOOR AREAS2619.00TOTAL AREA3742.00HEIGHT24.00STORIES1

FOUNDATIONCONCWALLSFRAMEDROOF PITCH7/12FLOORCONC

LAND USE & ZONINGA-3MAX. HEIGHT35

Minimum Set Back Requirments:STREET-FRONT30.00REAR25.00SIDE25.00

NO. EX.D.U.0FLOOD ZONEXPSDEVELOPMENT PERMIT NO.

PARCEL ID24-6S-17-09769-006SUBDIVISION

LOTBLOCKPHASEUNITTOTAL ACRES14.63

CGC1505970

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

PRIVATE08-604-NBLKWRN

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS: 1 FOOT ABOVE ROAD. NOC ON FILE.

Check # or Cash2835

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Powerdate/app. byFoundationdate/app. byMonolithicdate/app. by

Under slab rough-in plumbingdate/app. bySlabdate/app. bySheathing/Nailingdate/app. by

Framingdate/app. byRough-in plumbing above slab and below wood floordate/app. by

Electrical rough-indate/app. byHeat & Air Ductdate/app. byPeri. beam (Lintel)date/app. by

Permanent powerdate/app. byC.O. Finaldate/app. byCulvertdate/app. by

M/H tie downs, blocking, electricity and plumbingdate/app. byPooldate/app. by

Reconnectiondate/app. byPump poledate/app. byUtility Poledate/app. by

M/H Poledate/app. byTravel Trailerdater/app. byRe-roofdate/app. by

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

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

FLOOD DEVELOPMENT FEE \$FLOOD ZONE FEE \$25.00CULVERT FEE \$TOTAL FEE 1052.42

INSPECTORS OFFICECLERKS OFFICE

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 PROGRESS 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**

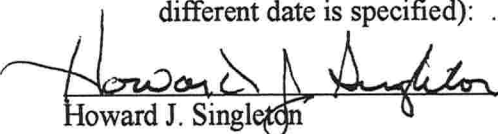
File Number: **GV08-1068**

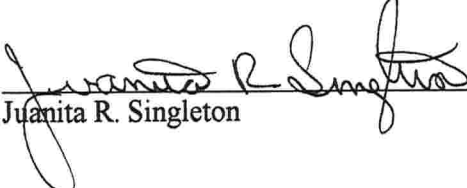
Inst:200812015211 Date:8/15/2008 Time:12:40 PM
P. DeWitt Cason, Columbia County Page 1 of 2 B 1156 P.1650

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): .

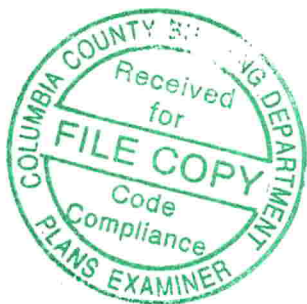
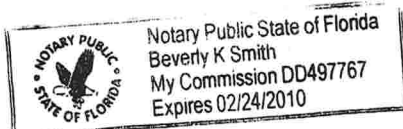

Howard J. Singleton

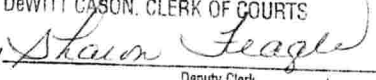

Juanita R. Singleton

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


Notary Public

My Commission Expires: _____



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 
Deputy Clerk
Date 08-15-2008

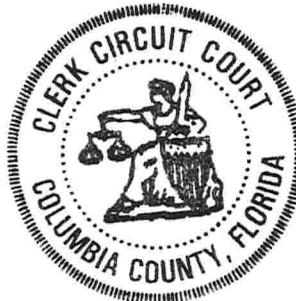


Exhibit "A"

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.



File Number: GV08-1068

Legal Description with Non Homestead
Closer's Choice

Columbia County Building Permit Application

2835 - Permit
2836 - impact

For Office Use Only Application # 0809-02 Date Received 9/2/08 By GT Permit # 27338
Zoning Official BLK Date 09.09.08 Flood Zone XPSurveys Land Use A-3 Zoning A-3
FEMA Map # N/A Elevation N/A MFE 1st Rd River N/A Plans Examiner WLD 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, FLMortgage Lenders Name & Address Abarion Bank Gainesville, FLCircle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number #R09769-006 24-65-17 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 ~ 1/2 mile, project on left.

Number of Existing Dwellings on Property noneConstruction 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

Philip
Grimes

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.

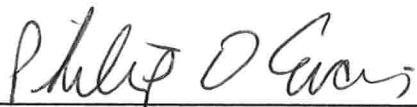
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY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

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



Owners Signature

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



Contractor's Signature (Permitee)

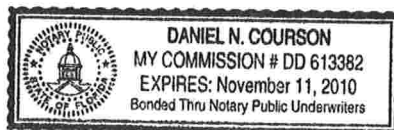
Contractor's License Number CGC1505970
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 21 day of August 2008.
Personally known ☒ or Produced Identification _____



State of Florida Notary Signature (For the Contractor)

SEAL:

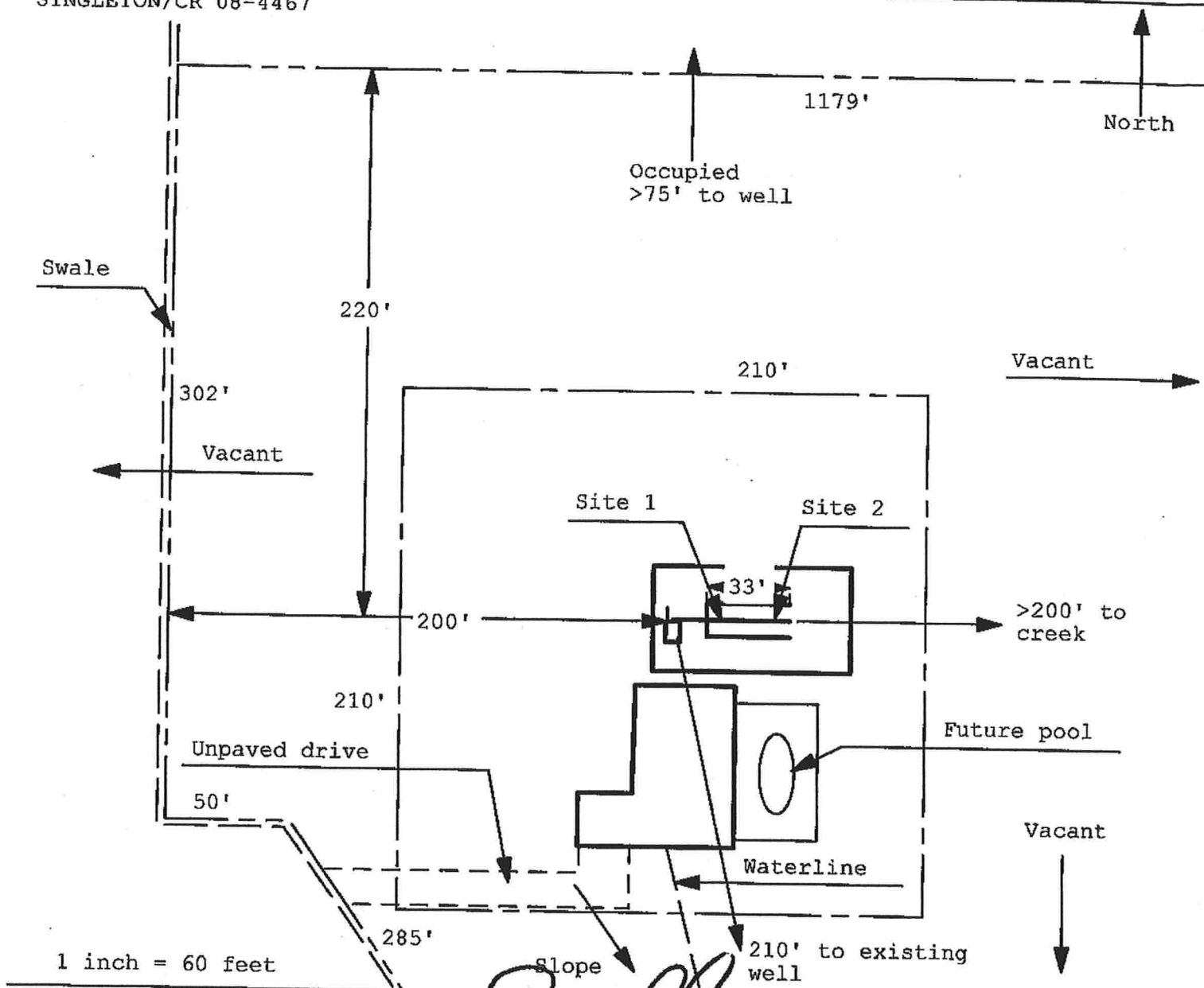


Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

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 L. [Signature] Date 8/29/08
 Plan Approved ☒ Not Approved ☐ Date 9/9/08

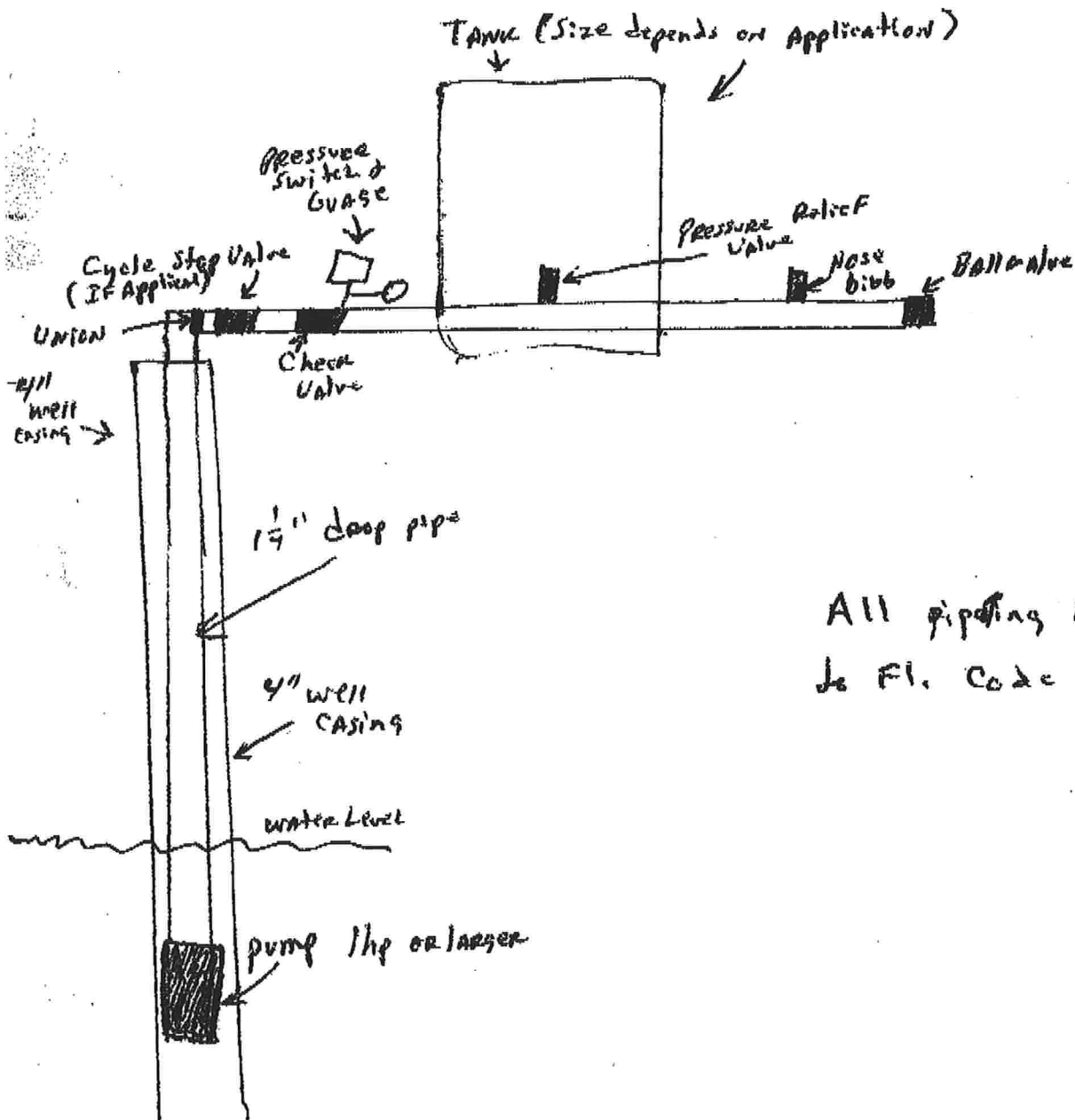
By Mm S. Jander Columbia CPHU

Notes: _____



**NORTH FLORIDA
WATER SYSTEMS, INC.**
11814 N.W. 202nd ST.
ALACHUA, FLORIDA 32616

Columbia County well diagram



All piping and wiring
to Fl. Code

Drawn by Robert
Mumma

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

1 hp pump or larger, tank, 1 1/2" sch #80 pvc drop pipe and
all fittings

Robert C. Munn, owner

PH # 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.

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

Parcel: 24-6S-17-09769-006**2008 Proposed Values**

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

Search Result: 1 of 1

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 Vimp	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
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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

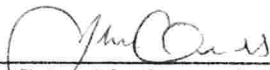
LAKE CITY FL 32024

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.

**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!

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

AC# 3858363

CGC1505970 07/16/08 088009466

CERTIFIED GENERAL CONTRACTOR
EVANS, PHILIP DUNCAN
EVANS BUILDING & DESIGN INCIS CERTIFIED under the provisions of Ch.489 FS
Expiration date: AUG 31, 2010 L08071600810

DETACH HERE

AC# 3858363

STATE OF FLORIDADEPARTMENT 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 32655CHARLIE CRIST
GOVERNORCHUCK 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 (ft ²) 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 ft ² — b. SHGC: (or Clear or Tint DEFAULT) 7b. (Clear) 371.0 ft ² — 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. Att: Interior Sup. R=6.0, 353.0 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.

DATE: 8/13/08

I hereby certify that this building, as constructed, is in

COMPLIANCE:

DATE: 8/13/08

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 Florida ASR 008



DATE: 8/13/08

DATE: 8/13/08

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 joist members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Approved 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.	
Additional Infiltration Regs	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 ENERGY EFFICIENT LIGHTING (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Swimming Pools & Spas	612.1	Heater (electric) or cover (gas) must be provided. External or built-in heat trap required. Spas & heated pools must have covers (except solar heated). Non-commercial pools must be covered by 75%.	
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, filters, mechanical equipment and return chambers shall be maintained.	
HVAC Controls	607.1	Ducts in unconditioned attics: R-6 min. insulation. Separate readily accessible manual or automatic thermostat for each system.	
		Common ceiling & floors R-11.	

FORM 600A-2004R

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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
23408.2	0.5540	12968.2	(sys 1: Electric Heat Pump 47500 btuh , EFF(9.0) Ducts: Con(S), Con(R), Int(AH), R6.0 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 X BWPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X WPM X WOF = Point							
.18	2619.0	20.17	9608.0	1.Double, Clear	E	2.0	6.0	74.0	18.79	1.08	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 7981.0							
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	6068.0	2. Frame, Wood, Adjacent		13.0	342.0	3.30	1128.6		
Base Total: 1982.0 7299.2				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			82.0	8.40	520.8		
Exterior	82.0	12.30	762.8	2.Adjacent Insulated			18.0	8.00	144.0		
Base Total: 80.0 869.8				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)	0.9	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 D9M x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(eqs 1: Central Unit 48000btuh, SEER/EFF(15.0) Ducts: Con(S), Con(R), Int(AH), Fan, 0.01NS)					
35972.7	0.3260	11691.1	46136	1.00	(1.00 x 1.147 x 0.91)	0.228	1.000	10958.7
			46134.7	1.00	1.044	0.228	1.000	10956.7

FORM 600A-2004R

EnergyGauge® 4.5

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES				Overhang							
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Omt	Len	Hgt	Area X SPM X SOF = Points			
.18	2819.0	18.68	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	39.52	0.85	5828.0
				4. Double, Clear	N	2.0	6.0	84.0	19.20	0.90	1451.0
				As-Built Total:							
				371.8 10859.0							
WALL TYPES				Type							
Area X BSPM = Points				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:				As-Built Total:							
1982.0 3927.4				1982.0 1846.2							
DOOR TYPES				Type							
Area X BSPM = Points				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:				As-Built Total:							
80.0 421.4				80.0 383.0							
CEILING TYPES				Type							
Area X BSPM = Points				R-Value Area X SPM X SCM = Points							
Under Attic	2819.0	1.73	4859.9	1. Single Assembly			19.0	2819.0	5.64 X 1.00	14771.2	
Base Total:				As-Built Total:							
2819.0 4859.9				2819.0 14771.2							
FLOOR TYPES				Type							
Area X BSPM = Points				R-Value Area X SPM = Points							
Slab	203.0/sf	3.70	7511.0	1. Slab-On-Grade Edge Insulation			0.0	203.0/sf	41.20	8383.6	
Recess	0.0	0.00	0.0								
Base Total:				As-Built Total:							
7511.0				203.0 8383.6							
INFILTRATION				Area X SPM = Points							
Area X BSPM = Points											
2819.0 10.21 28740.0				2819.0 10.21 28740.0							

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

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 default glass type and areas, see Summer & Winter Glass output on pages 2&3.
EnergyGauge[®] (Version: FL RES v4.3)

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 WATERLOAF 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		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
CTR OF PAD	109.0	100	ft	12"	6.0	115.3	108.8	99.8
CTR OF N. FTG	2	2	2	2	8.6	112.8	103.9	95.3
CTR OF S. FTG	2	2	2	2	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.

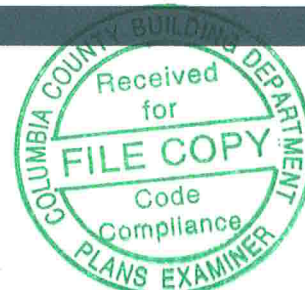


Project Summary
Entire House
Bertie Heating & Air Conditioning

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: lilevans4@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.





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: lilevans4@alltel.net

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	31	93	Method	Simplified
Inside db (°F)	68	75	Construction quality	Tight
Design TD (°F)	37	18	Fireplaces	1 (Tight)
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	33	50		

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

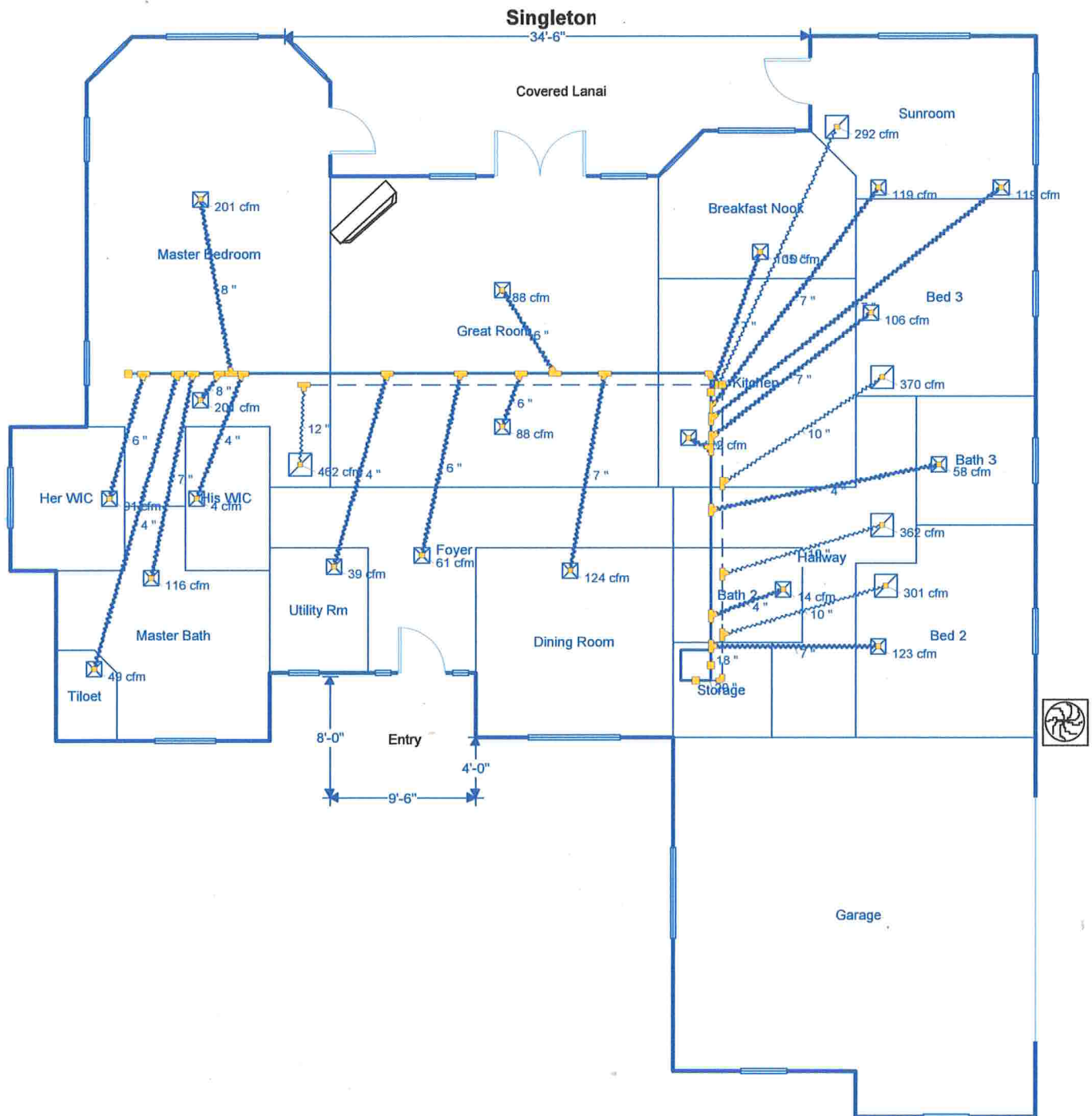
Make Trane
Trade XL15i Weathertron
Cond 4TWX5048A1
Coil 4TEE3F65B1

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
 lleavans4@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

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 Right-Suite Residential
 6.0.119 RSR27178
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**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:

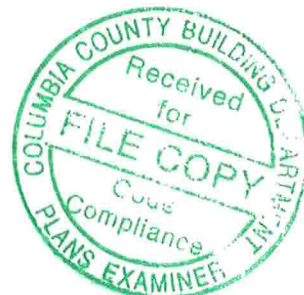
- ✓ Dimensions of lot or parcel of land
- ✓ Dimensions of all building set backs
- ✓ Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- ✓ Provide a full legal description of property.

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 specifiably 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 value 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 piers
- Girder type, size and spacing to load bearing walls, stem wall and/or piers
- 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 assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies 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

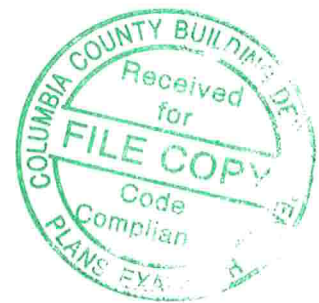
- ✓ Manual J sizing equipment or equivalent computation
- ✓ Exhaust fans locations in bathrooms

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)
- MA 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.

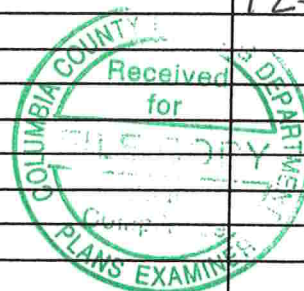
PRODUCT APPROVAL SPECIFICATION SHEET

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 www.floridapba.com

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.

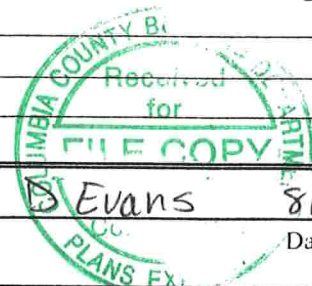
I understand these products may have to be removed if approval cannot be demonstrated during inspection

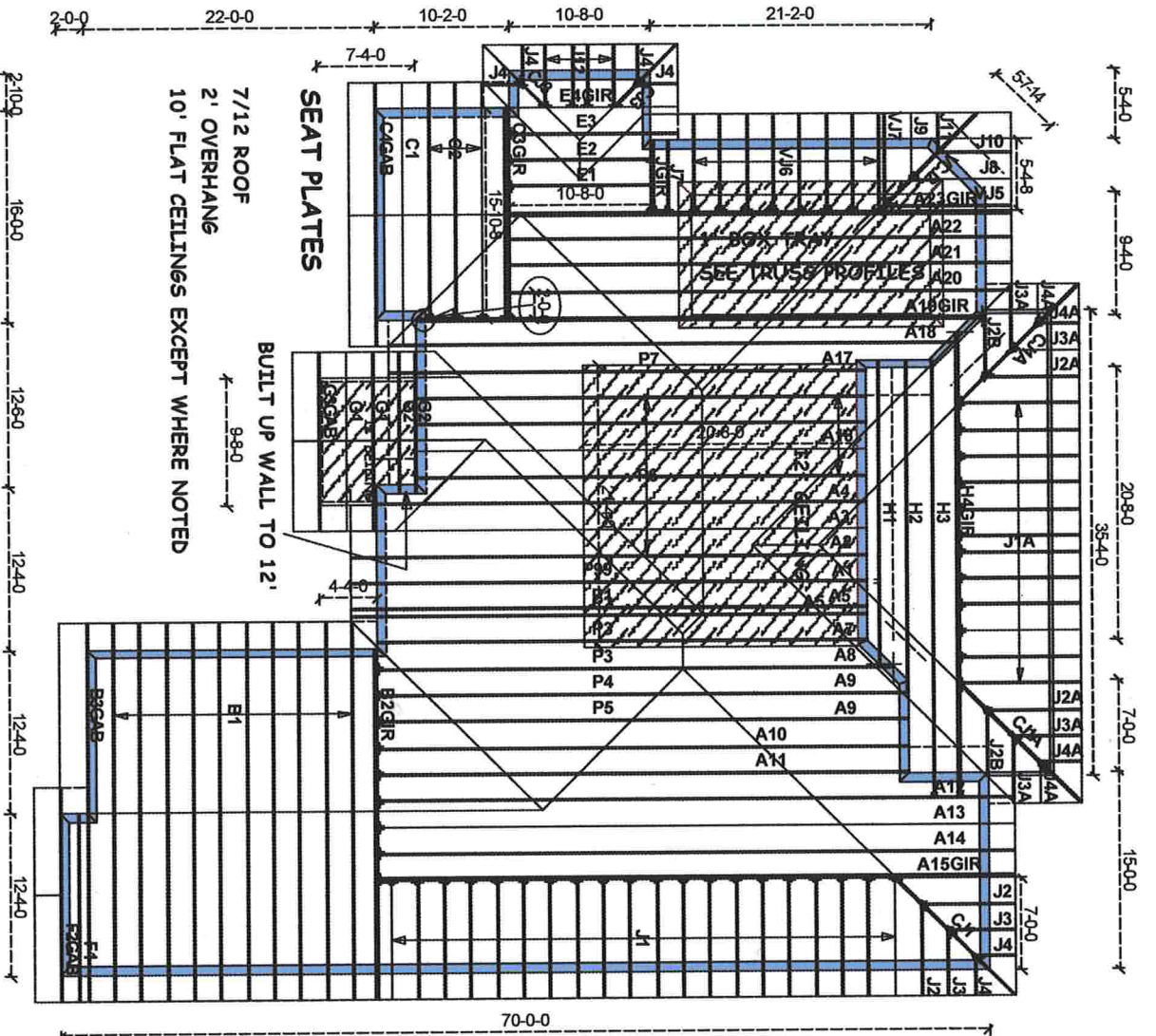
Philip O Evans
Contractor or Contractor's Authorized Agent Signature

Philip Evans 8/26/08
Print Name Date

Permit # (FOR STAFF USE ONLY)

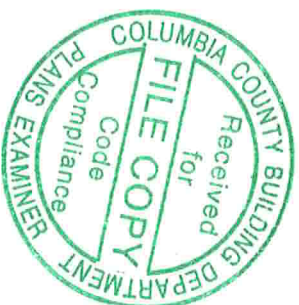
Location





****HANGER SCHEDULE****

A8--THD26
 A9--THD26
 A10--THD26
 A11--THD26
 A12--THD26
 A13--THD26
 A14--THD26
 A15--THD28-2
 A20--THD26
 A21--THD26
 A22--THD26
 A23GIR--THD26-2
 C2--JUS26
 C3GIR--THD28-2
 J6IR--THD26-2
 E1--JUS26
 E2--JUS26
 E3--JUS26



Mayo Truss Co. Inc.

845 East US 77

MAYO, FL 32066

(386)294-3988

(877)-538-6762

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: EVANS SINGELTON R1
 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				



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.

6904 Parke East Boulevard
Tampa, FL 33610-4115

Phone: 813-972-1135 • Fax: 813-971-6117
www.robbseng.com

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

DALLAS

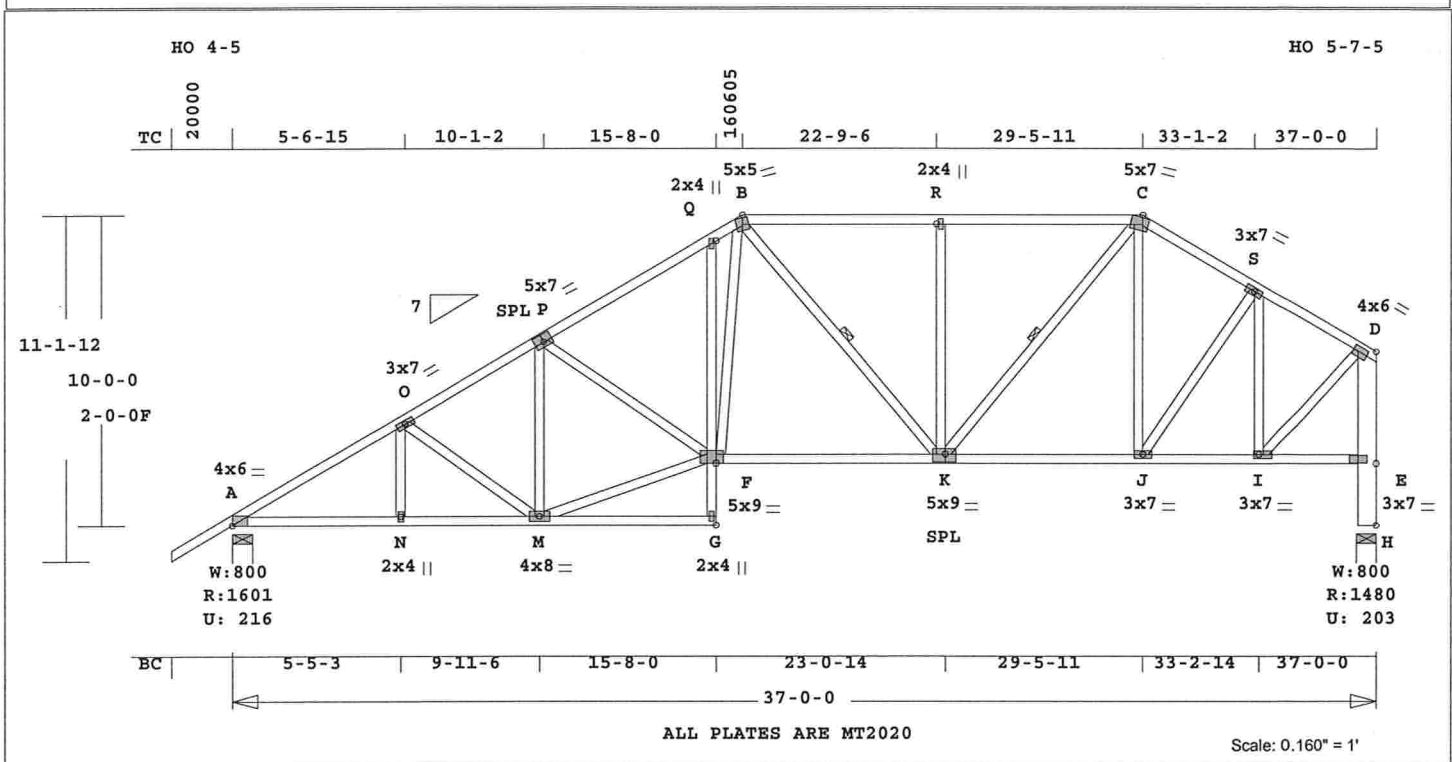
TAMPA

FT. WORTH
Velez, Joaquin

August 19, 2008

Job	Mark	Quan	Type	Span	Pl-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

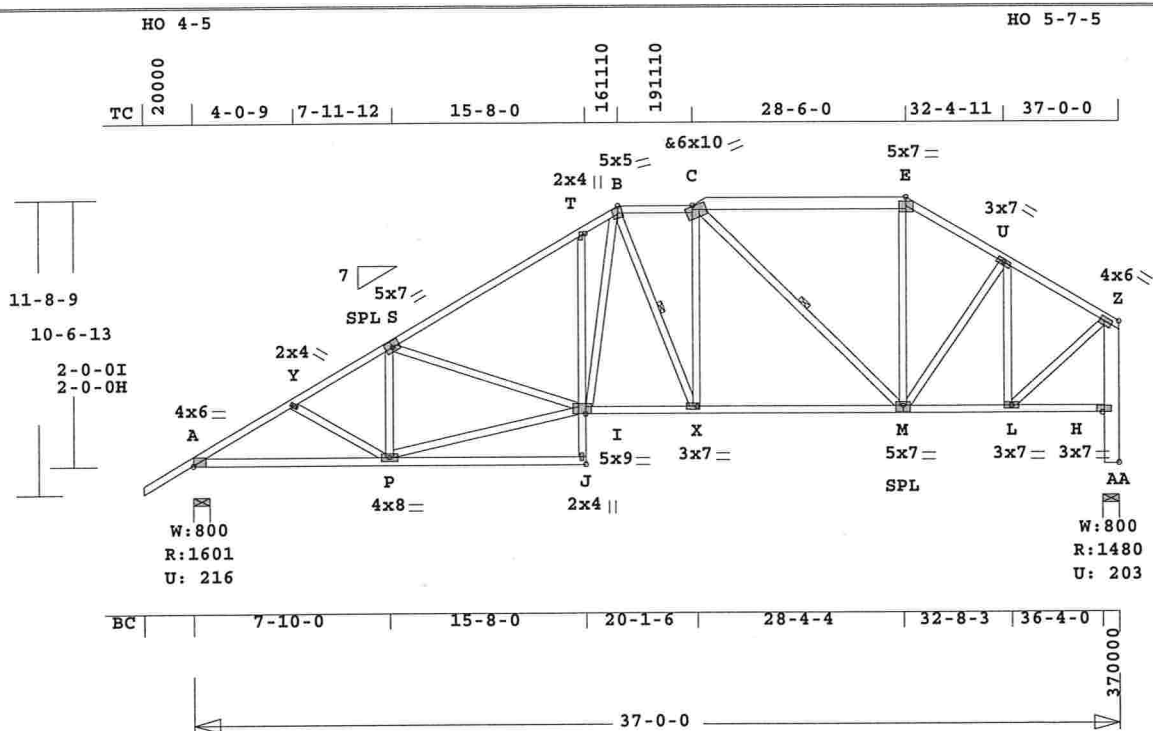
OH Loading

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

SINGELTON REV.1



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

Scale: 0.130" = 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	-1.3	-0.6	0.66
						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

FBC2004
OH Loading

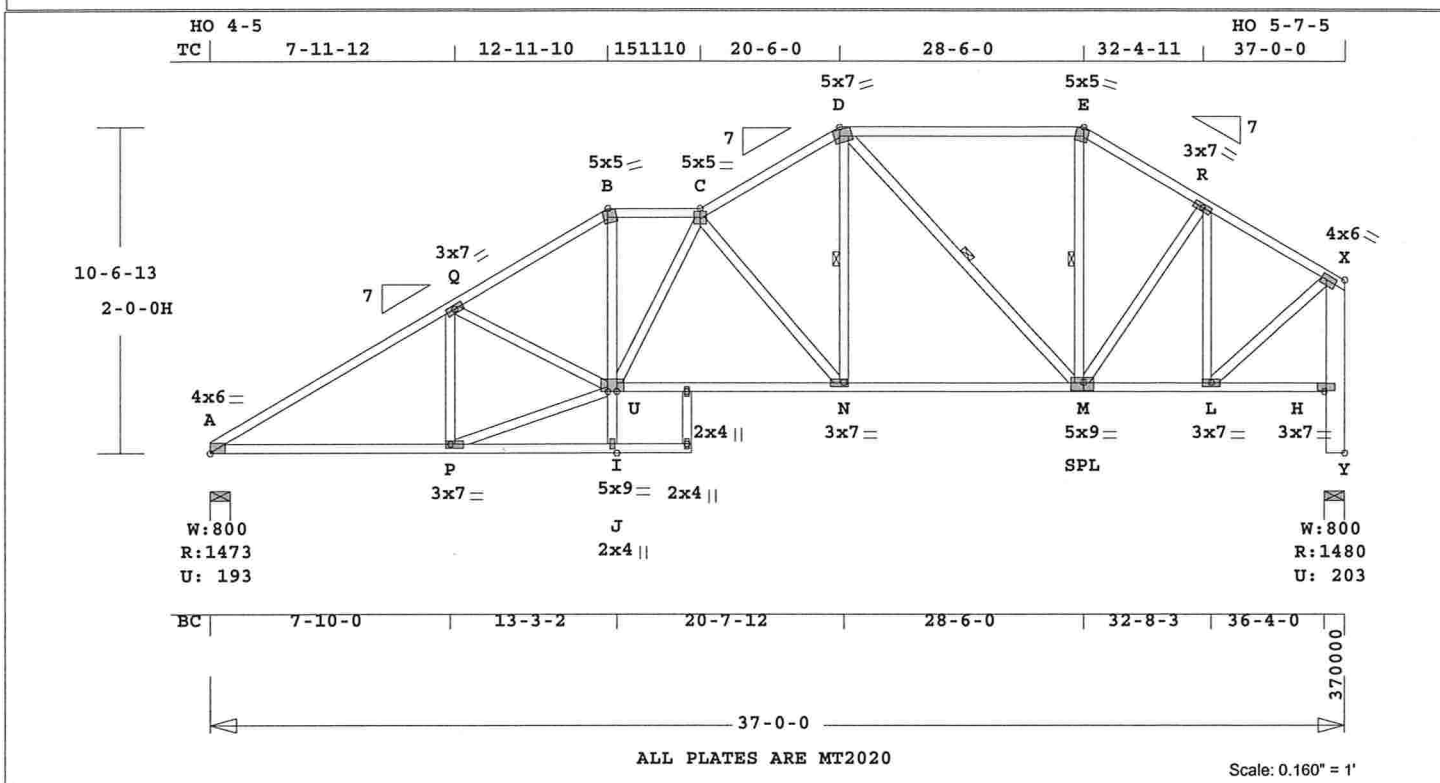
On loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead 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	Pl-H1	Left OH	Right OH	Engineering
EVANSINGELTONRI	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-CSt-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
D -M	0.33	659 C
M -E	0.05	357 T
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

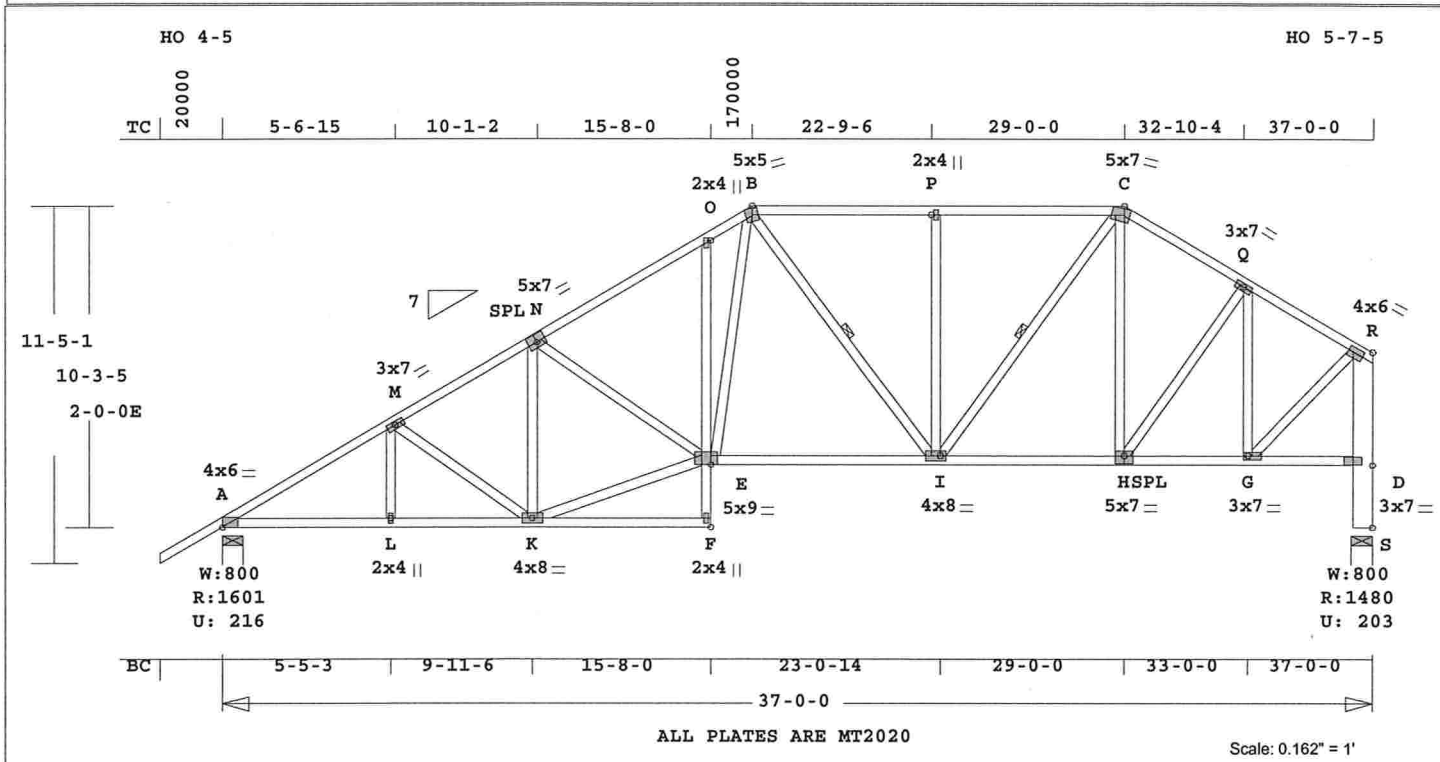
Quality Control Factor 1.25

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

August 19,2008

Job EVANSINGELTONRI	Mark A5	Quan 2	Type SP	Span 370000	Pl-H1 7	Left OH 2- 0- 0	Right OH 0	Engineering T3122567
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SINGELTON REV.1



ALL PLATES ARE MT2020

Scale: 0.162" = 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 Pb=1.15 Fc=1.10 Ft=1.10
BC Pb=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 Ax1-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
F -E 0.16 90 T 0.01 0.15
E -O 0.11 244 C 0.03 0.08
L -M 0.02 161 T
M -K 0.14 310 C
K -N 0.18 355 C
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 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:

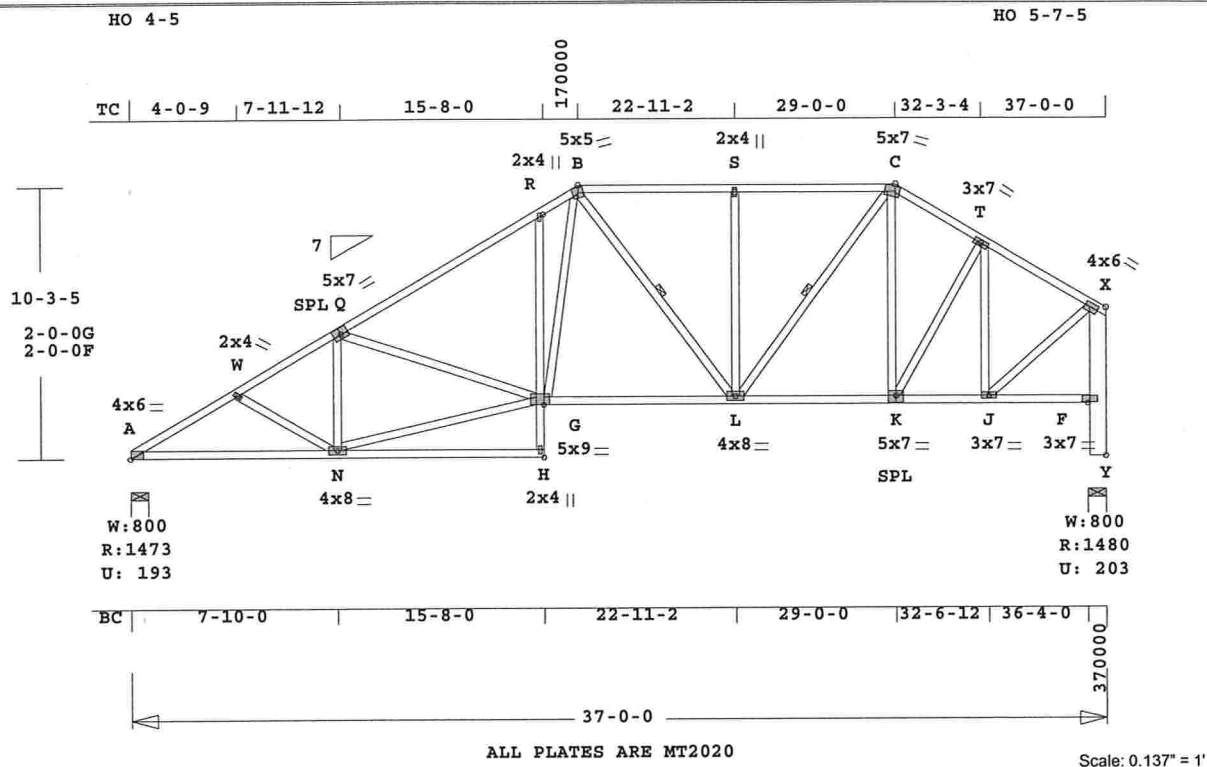
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
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 EVANSINGELTONR1	Mark A7	Quan 1	Type SP	Span 370000	Pl-H1 7	Left OH 0	Right OH 0	Engineering T3122568
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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-CSt-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 -X 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.

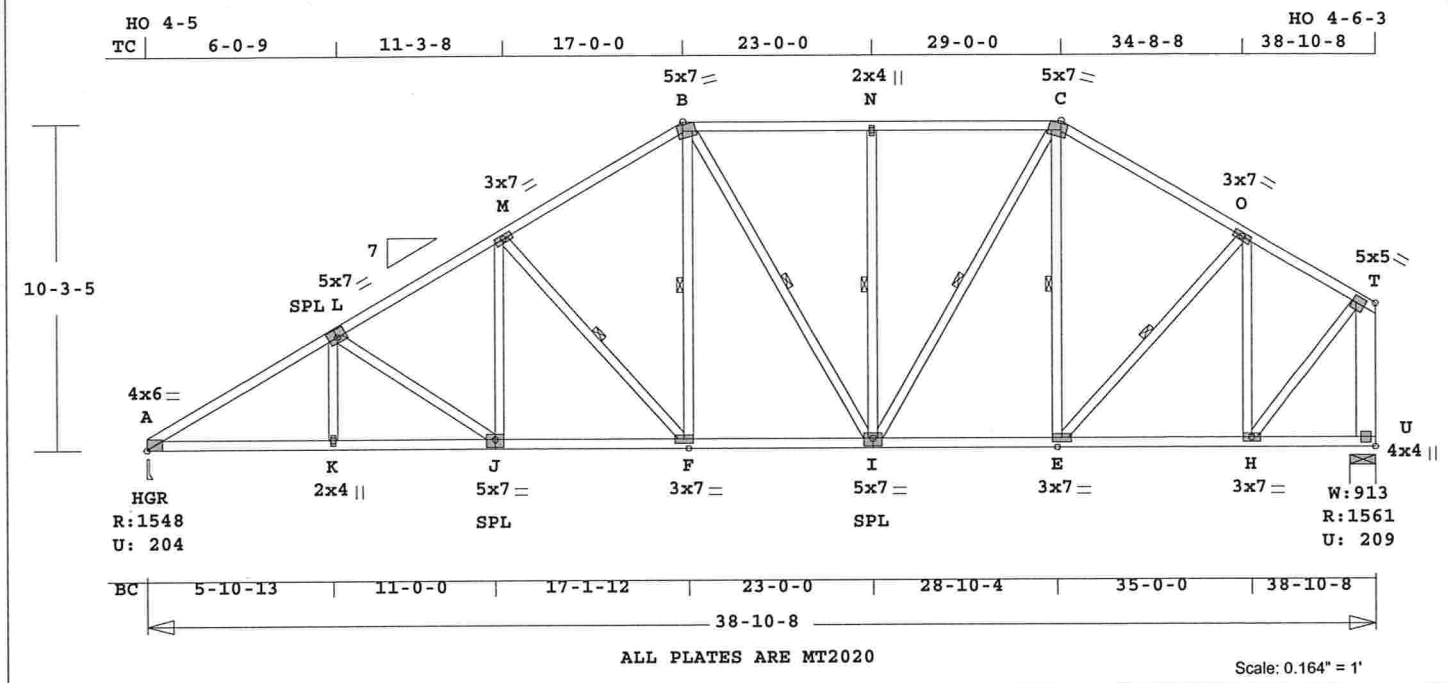
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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 EVANSINGELTONR1	Mark A8	Quan 1	Type HIPP	Span 381008	Pl-H1 7	Left OH 0	Right OH 0	Engineering T3122569
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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 Ax1-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	0.58
L	MT20	5.0x	7.0	0.3	0.38
M	MT20	3.0x	7.0	Ctr	0.32
B	MT20	5.0x	7.0	1.4-3.3	0.50
N	MT20	2.0x	4.0	Ctr	0.29
C	MT20	5.0x	7.0	1.4-3.3	0.50
O	MT20	3.0x	7.0	Ctr	0.27
T	MT20	5.0x	5.0	0.9-0.5	0.47
K	MT20	2.0x	4.0	Ctr	0.29
J	MT20	5.0x	7.0	Ctr-0.5	0.43
F	MT20	3.0x	7.0	Ctr	0.22
I	MT20	5.0x	7.0	Ctr-0.5	0.46
E	MT20	3.0x	7.0	Ctr	0.19
H	MT20	3.0x	7.0	Ctr	0.57
U	MT20	4.0x	4.0	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

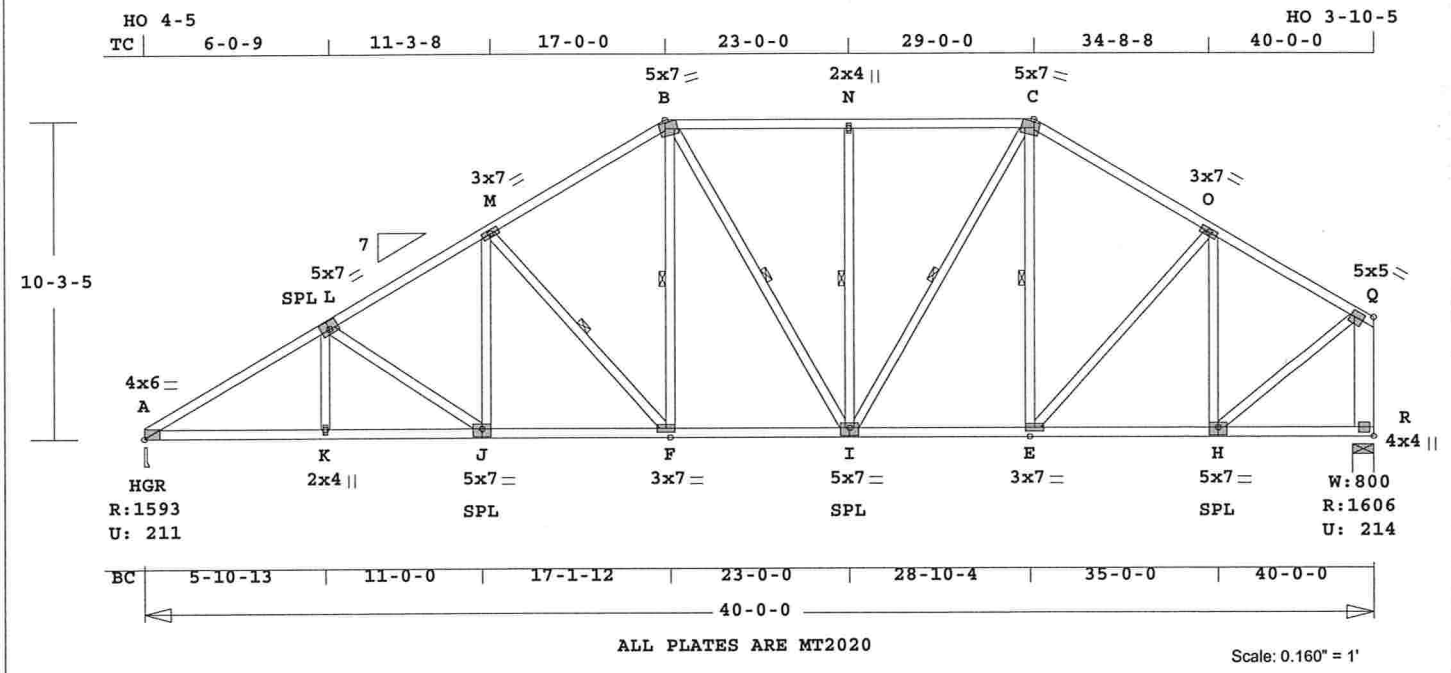
Tampa, FL 33610

FL Cert.#5555

August 19,2008

Job EVANSINGELTONR1	Mark A9	Quan 2	Type HIPP	Span 400000	Pl-H1 7	Left OH 0	Right OH 0	Engineering T3122570
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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	Ax1-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
N -C	0.10	579 T	1 Br
C -O	0.03	97 C	1 Br
O -Q	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
Jt Type	Plt Size	X	Y JSI
A	4.0x	6.0	0.2 0.1 0.60
L	5.0x	7.0	0.3 0.5 0.38
M	3.0x	7.0	Ctr Ctr 0.32
B	5.0x	7.0	1.4-3.3 0.50
N	2.0x	4.0	Ctr Ctr 0.29
C	5.0x	7.0	1.4-3.3 0.50
O	3.0x	7.0	Ctr Ctr 0.27
Q	5.0x	5.0	0.9-0.5 0.49
K	2.0x	4.0	Ctr Ctr 0.29
J	5.0x	7.0	Ctr-0.5 0.44
F	3.0x	7.0	Ctr Ctr 0.22
I	5.0x	7.0	Ctr-0.5 0.46
E	3.0x	7.0	Ctr Ctr 0.19
H	5.0x	7.0	Ctr-0.5 0.39
R	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

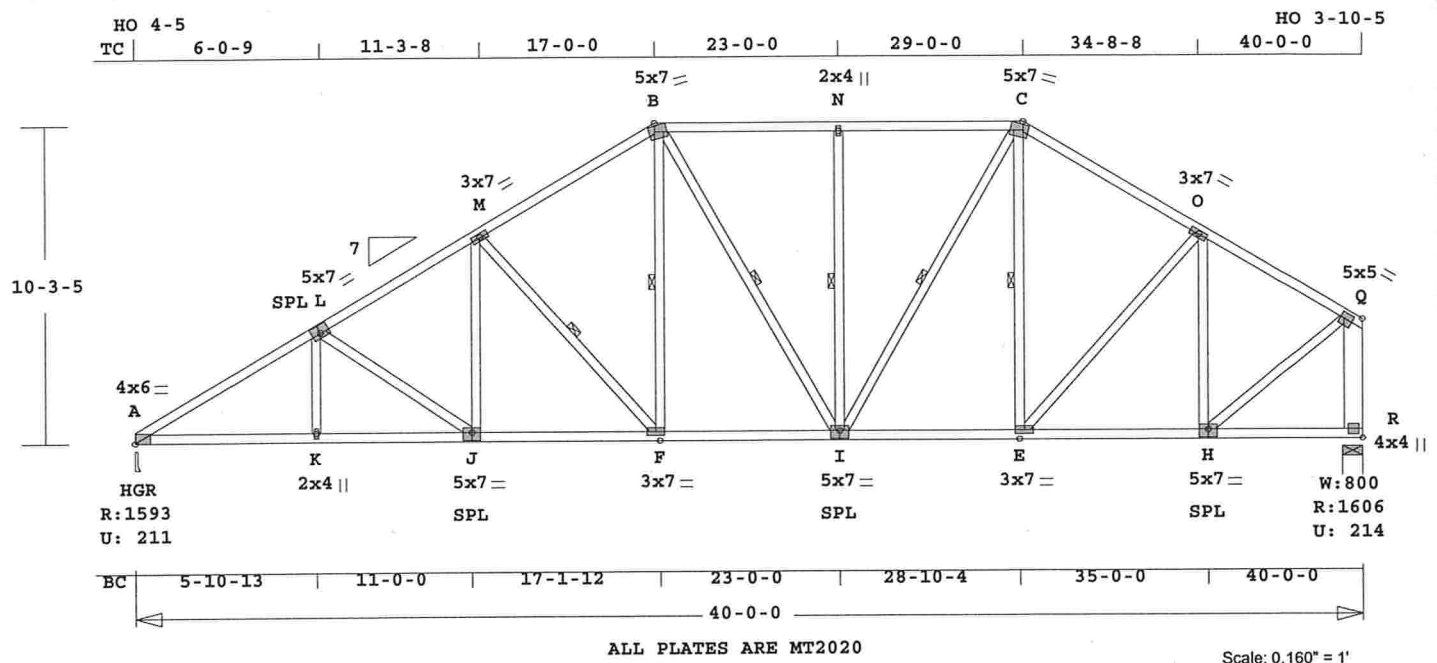
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 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 EVANSINGELTONR1	Mark A10	Quan 1	Type HIPP	Span 400000	Pl-H1 7	Left OH 0	Right OH 0	Engineering T3122571
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SINGELTON REV.1



ALL PLATES ARE MT2020

Scale: 0.160" = 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 Ax1-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.

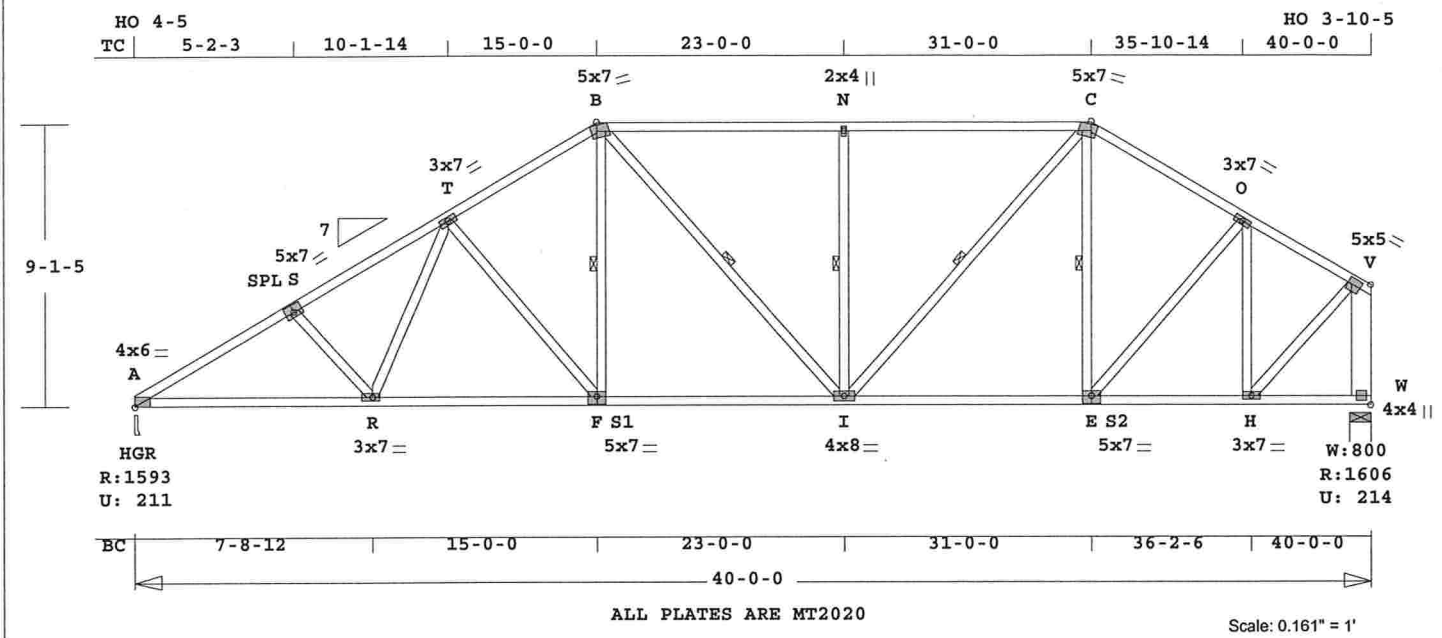
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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 EVANSINGELTONR1	Mark All	Quan 1	Type HIPP	Span 400000	Pl-H1 7	Left OH 0	Right OH 0	Engineering T3122572
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SINGELTON REV.1



ALL PLATES ARE MT2020

Scale: 0.161" = 1'

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

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

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

Brace truss as follows:

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

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
N -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:

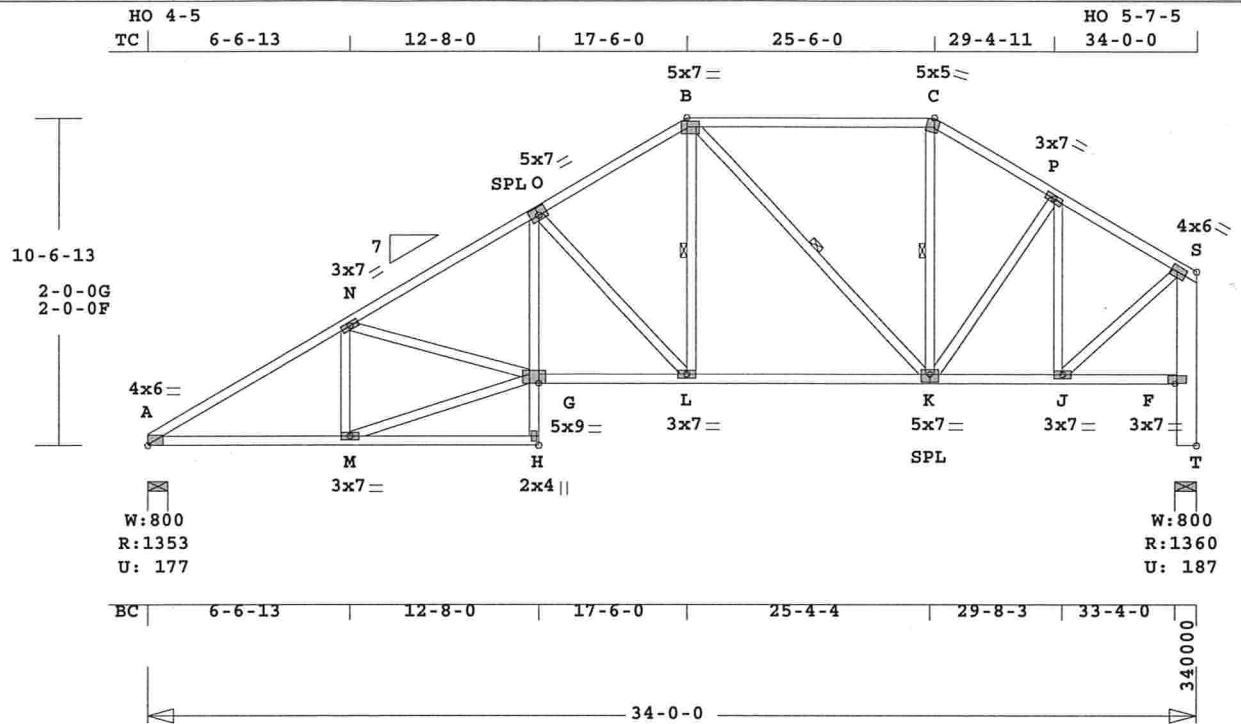
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

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

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

SINGELTON REV.1



ALL PLATES ARE MT2020

Scale: 0.161" = 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 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:

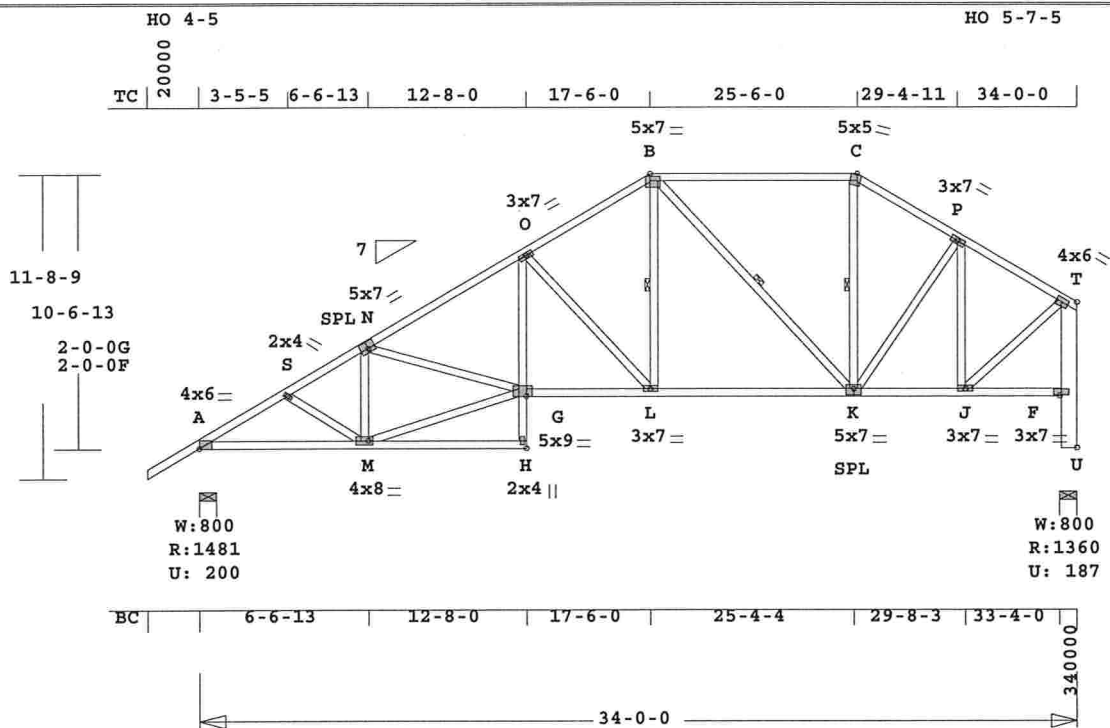
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy 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	Pl-H1	Left OH	Right OH	Engineering
EVANSINGELTONR1	A17	1	SP	340000	7	2- 0- 0	0	T3122574

SINGELTON REV.1



ALL PLATES ARE MT2020

Scale: 0.134" = 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 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

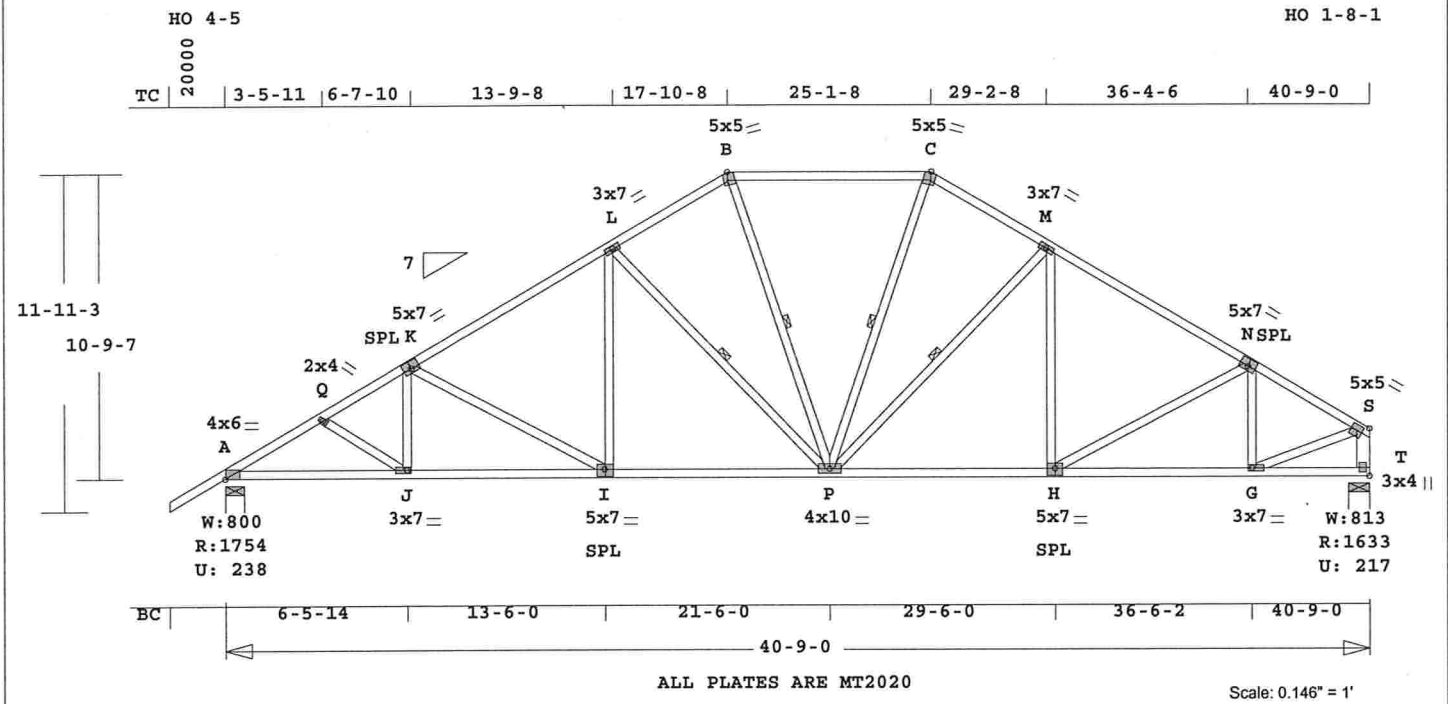
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 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 EVANSINGELTONR1	Mark A18	Quan 1	Type HIPP	Span 400900	P1-H1 7	Left OH 2- 0- 0	Right OH 0	Engineering T3122575
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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

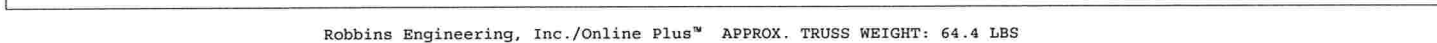
Max tens. force 2339 Lbs

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

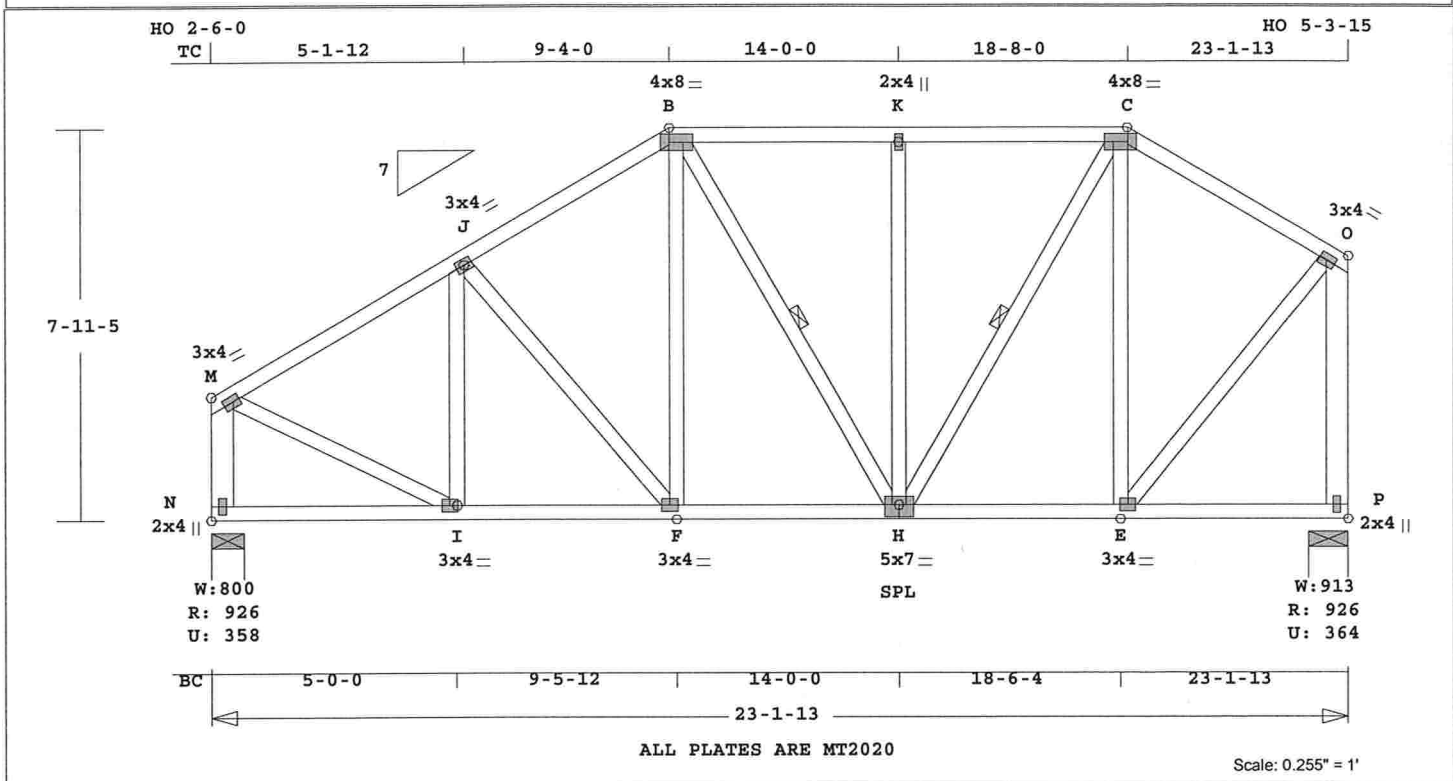
SINGELTON REV.1



August 19, 2008

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



ALL PLATES ARE MT2020

Scale: 0.255" = 1'

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

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

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

Jt	Down	Uplift	Horiz
N	926	358	178 R
P	926	365	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	Ax1	CSI-Bnd
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		
K -C	0.09	437	T	1 Br	
C -O	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
M	MT20	3.0x	4.0	0.4	0.3
J	MT20	3.0x	4.0	Ctr	Ctr
B	MT20	4.0x	8.0	Ctr	Ctr
K	MT20	2.0x	4.0	Ctr	Ctr
C	MT20	4.0x	8.0	Ctr	Ctr
O	MT20	3.0x	4.0	0.4	0.3
N	MT20	2.0x	4.0	Ctr	Ctr
I	MT20	3.0x	4.0	Ctr	Ctr
F	MT20	3.0x	4.0	Ctr	Ctr
H	MT20	5.0x	7.0	Ctr	0.5
E	MT20	3.0x	4.0	Ctr	Ctr
P	MT20	2.0x	4.0	Ctr	Ctr

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

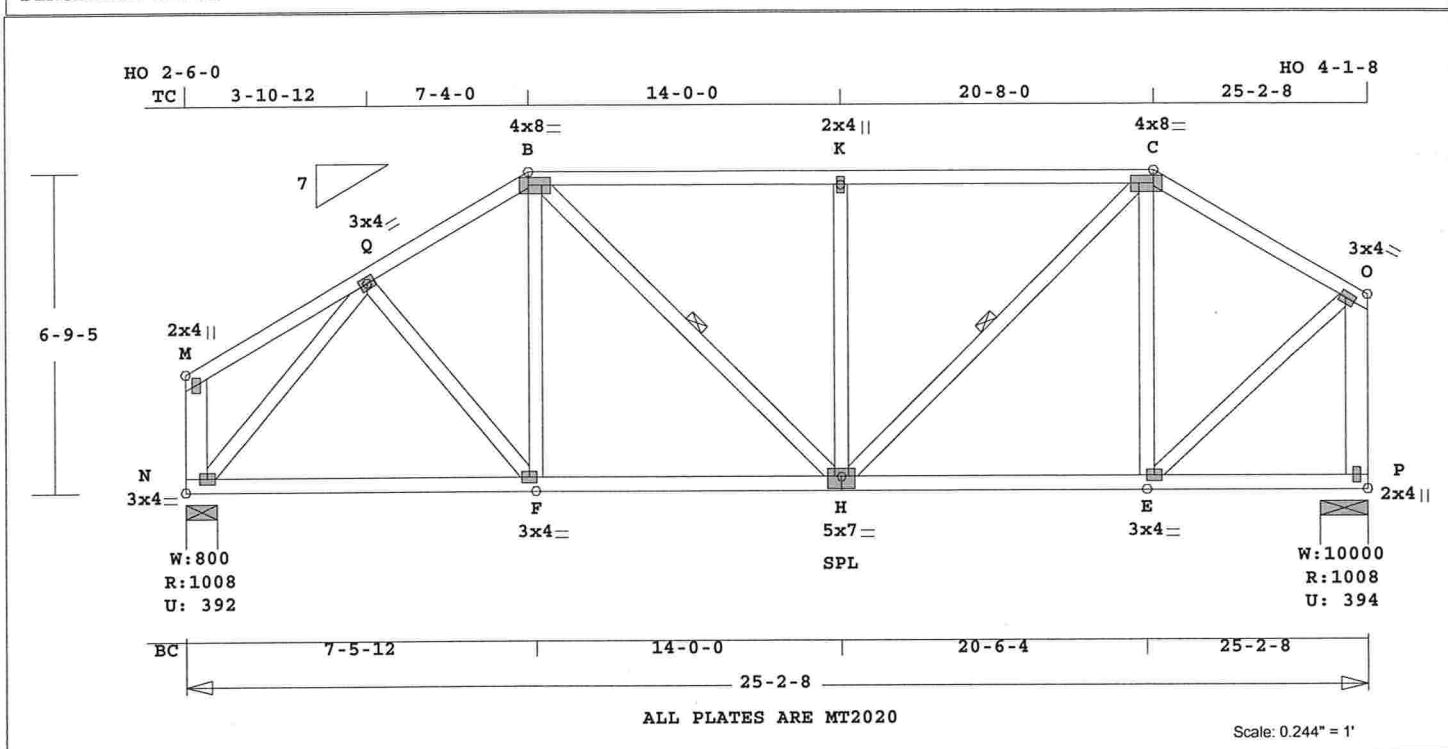
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

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

TC	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	Ax1-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.

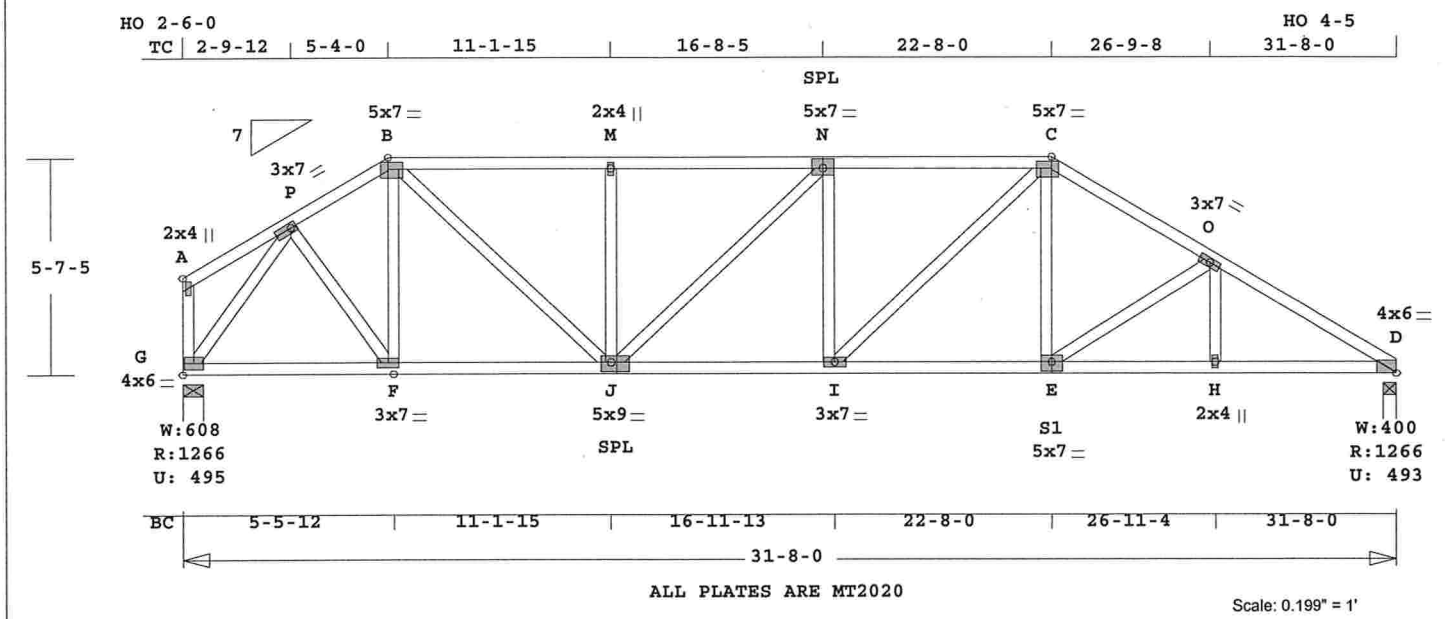
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

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 #55555

Job EVANSINGELTONR1	Mark H3	Quan 1	Type HIPP	Span 310800	Pl-H1 7	Left OH 0	Right OH 0	Engineering T3122580
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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	0
BC Cont.	0- 0- 0	31- 8- 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-
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

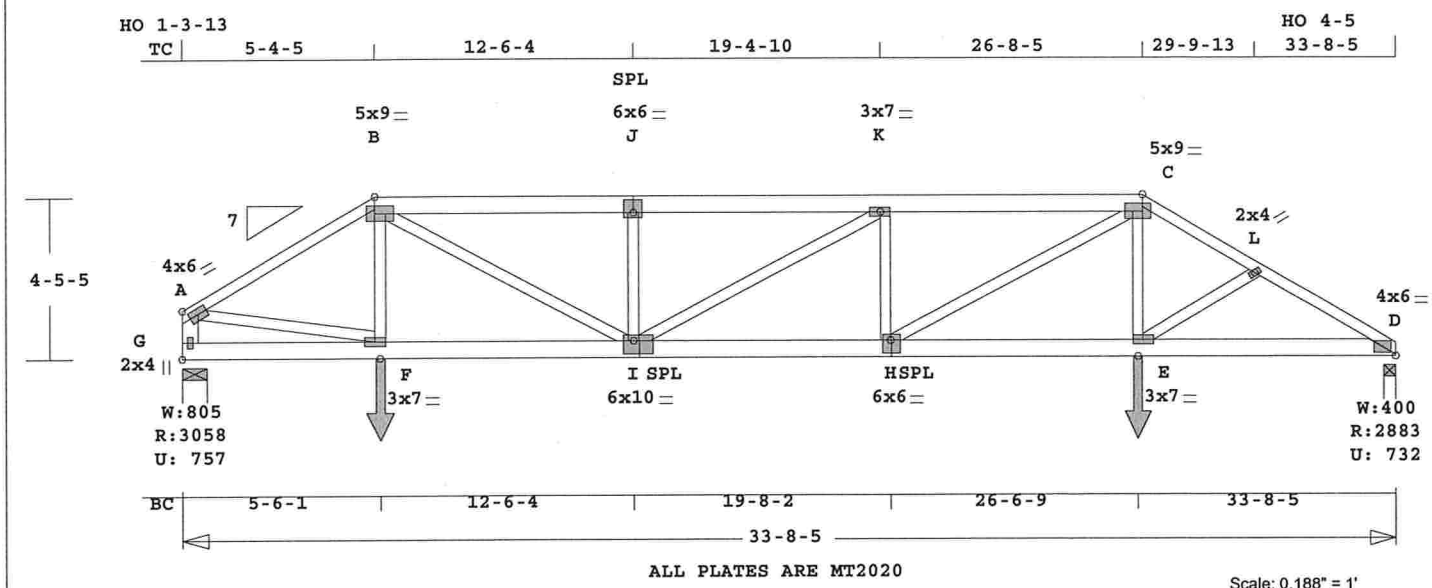
Quality Control Factor 1.25

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

August 19,2008

Job EVANSINGELTONR1	Mark H4GIR	Quan 1*2P	Type HIPP	Span 330805	Pl-Hl 7	Left OH 0	Right OH 0	Engineering T3122581
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SINGELTON REV.1



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

 * 2-Ply Truss *

TC	0.35	2x 6	SP-#2
--	0.34	2x 4	SP-#2
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	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	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

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

C	-L	0.34	5120	C	0.21	0.13
L <td>-D</td> <td>0.26</td> <td>5215</td> <td>C</td> <td>0.21</td> <td>0.05</td>	-D	0.26	5215	C	0.21	0.05
-----Bottom Chords-----						
G <td>-F</td> <td>0.08</td> <td>86</td> <td>T</td> <td>0.00</td> <td>0.08</td>	-F	0.08	86	T	0.00	0.08
F <td>-I</td> <td>0.33</td> <td>3678</td> <td>T</td> <td>0.24</td> <td>0.09</td>	-I	0.33	3678	T	0.24	0.09
I <td>-H</td> <td>0.51</td> <td>6688</td> <td>T</td> <td>0.44</td> <td>0.07</td>	-H	0.51	6688	T	0.44	0.07
H <td>-E</td> <td>0.39</td> <td>4451</td> <td>T</td> <td>0.29</td> <td>0.10</td>	-E	0.39	4451	T	0.29	0.10
E <td>-D</td> <td>0.34</td> <td>4476</td> <td>T</td> <td>0.29</td> <td>0.05</td>	-D	0.34	4476	T	0.29	0.05
-----Webs-----						
G <td>-A</td> <td>0.09</td> <td>3012</td> <td>C</td> <td>WindLd</td> <td></td>	-A	0.09	3012	C	WindLd	
A <td>-F</td> <td>0.34</td> <td>3752</td> <td>T</td> <td></td> <td></td>	-F	0.34	3752	T		
F <td>-B</td> <td>0.02</td> <td>308</td> <td>T</td> <td></td> <td></td>	-B	0.02	308	T		
B <td>-I</td> <td>0.28</td> <td>3082</td> <td>T</td> <td></td> <td></td>	-I	0.28	3082	T		
I <td>-J</td> <td>0.05</td> <td>981</td> <td>C</td> <td></td> <td></td>	-J	0.05	981	C		
I <td>-K</td> <td>0.04</td> <td>343</td> <td>C</td> <td></td> <td></td>	-K	0.04	343	C		
H <td>-K</td> <td>0.04</td> <td>870</td> <td>C</td> <td></td> <td></td>	-K	0.04	870	C		
H <td>-C</td> <td>0.23</td> <td>2543</td> <td>T</td> <td></td> <td></td>	-C	0.23	2543	T		
E <td>-C</td> <td>0.07</td> <td>832</td> <td>T</td> <td></td> <td></td>	-C	0.07	832	T		
E <td>-L</td> <td>0.00</td> <td>108</td> <td>C</td> <td></td> <td></td>	-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 <td>-</td> <td>MT2H</td> <td>20 Ga, <td>Gross Area</td> </td>	-	MT2H	20 Ga, <td>Gross Area</td>	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	

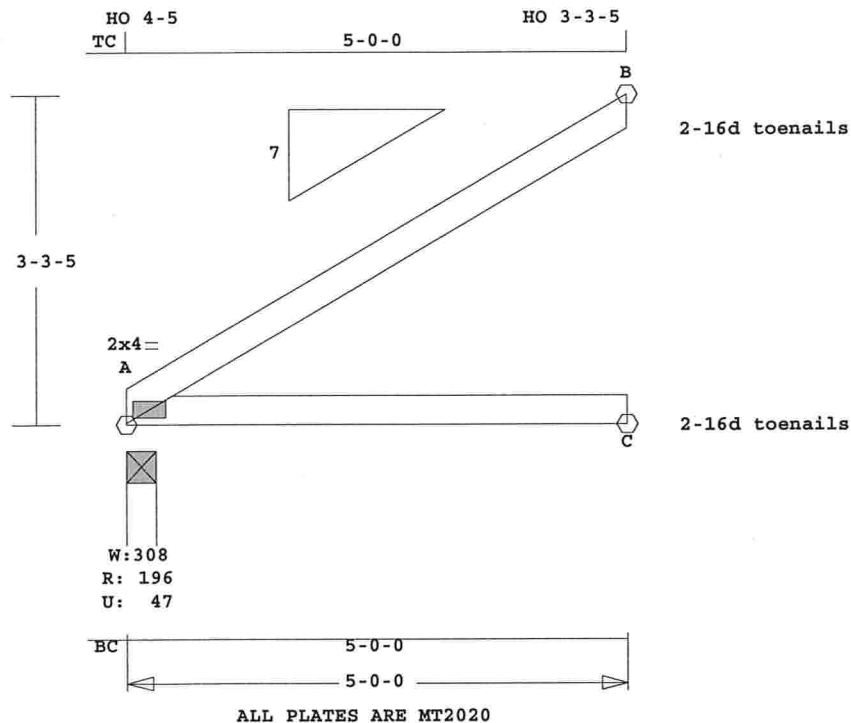
 Plus clusters of nails where
 shown.
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building 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 EVANSINGELTONR1	Mark J2B	Quan 2	Type JCA2	Span 50000	Pl-H1 7	Left OH 0	Right OH 0	Engineering T3122584
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SINGELTON REV.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	Ax1	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---

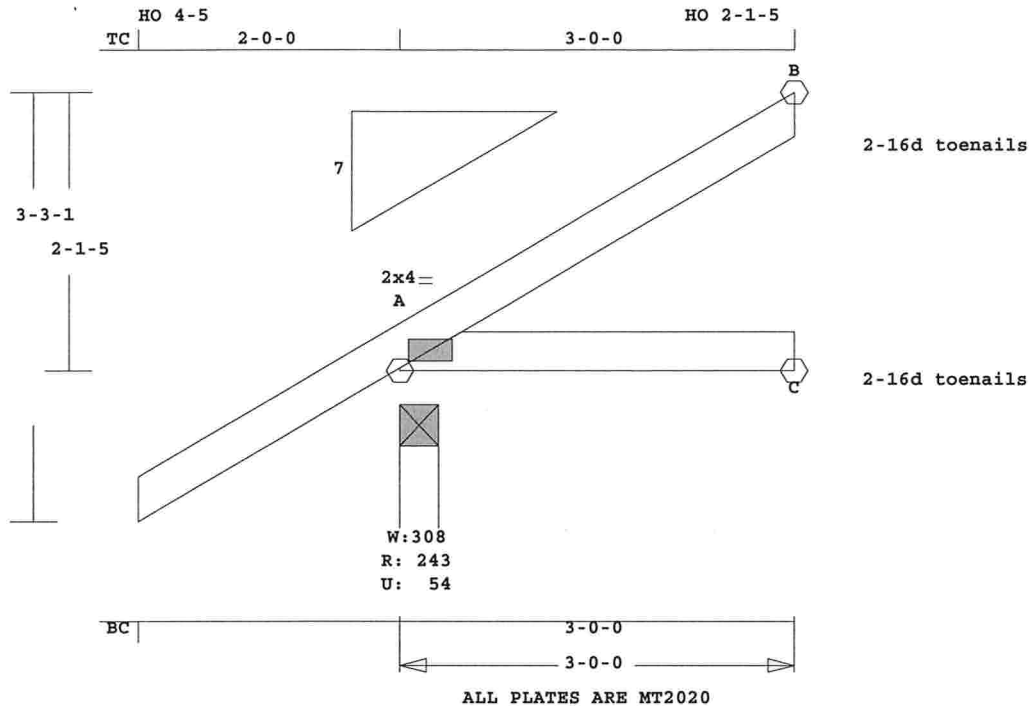
0- 0- 0 5- 0- 0
Max comp. force 94 Lbs
Max tens. force 45 Lbs
Quality Control Factor 1.25

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

August 19,2008

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

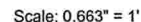
Building Type: Enclosed

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

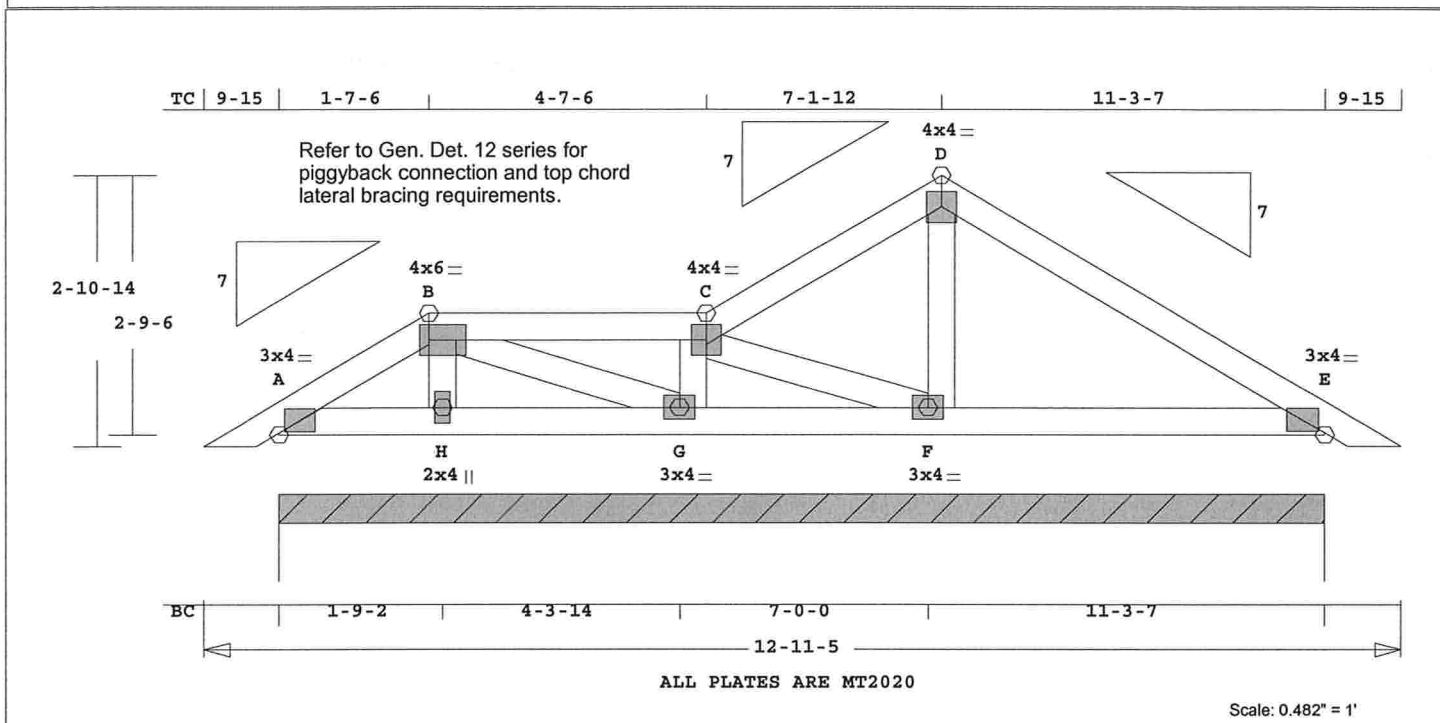
Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

SINGELTON REV.1

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

Job EVANSINGELTONRI	Mark P99	Quan 1	Type SP	Span 121105	Pl-H1 7	Left OH 9-15	Right OH 9-15	Engineering T3122587
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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 Ax1-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.

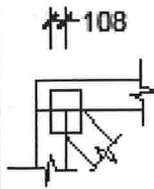
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph

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

ROBBINS ENG. GENERAL NOTES & SYMBOLS

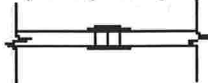
PLATE LOCATION



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

FLOOR TRUSS SPLICE

(3X2, 4X2, 6X2)



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

LATERAL BRACING

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

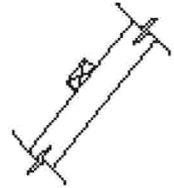
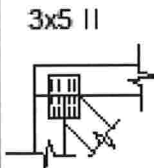


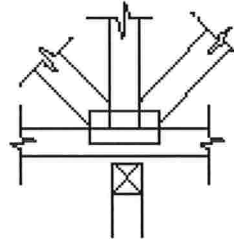
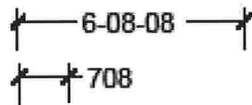
PLATE SIZE AND ORIENTATION



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.



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

www.robbinseng.com

GENERAL OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

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

Building permit No. 000027338

Use Classification SFD/UTILITY

Fire: 85.54

Permit Holder PHILIP EVANS

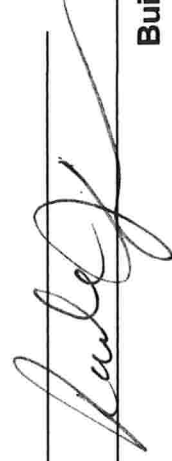
Waste: 117.25

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: 2 **Phone:** 813-626-601

Site Location: Subdivision _____

Lot # _____ **Block#** _____ **Permit #** 27338

Address: 511 W 1st LCAP RD

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
---------------------	--------------------------	------------------------

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

☒ Soil

☐ Wood

<u>Area Treated</u>	<u>Square feet</u>	<u>Linear feet</u>	<u>Gallons Applied</u>
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<u>Final</u>	_____	<u>224</u>	<u>45</u>
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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.

<u>3/11</u>	<u>10:40</u>	<u>Edwin Brown</u>
Date	Time	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: Guille **Phone:** 374-2664

Site Location: Subdivision _____

Lot # _____ **Block#** _____ **Permit #** 27338

Address 511 SE WATERLEAF DR ~~FAIR~~

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
---------------------	--------------------------	------------------------

☒ Premise	Imidacloprid	0.1%
---	--------------	------

☐ Termidor	Fipronil	0.12%
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☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%
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Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

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
Date

1:47
Time

Edwin Brown
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©