

This Permit Must Be Prominently Posted on Premises During Construction

APPLICANTLINDA RODER

PHONE752-2281

ADDRESS387SW KEMP CT

LAKE CITYFL32024

OWNERJASON ELIXSON

PHONE755-2735

ADDRESS299SW MORNING GLORY DR

LAKE CITYFL32024

CONTRACTORJASON ELIXSON

PHONE755-2735

LOCATION OF PROPERTY

90W, TL ON 247S, TL ON CALLAHAN, TL ON HOPE HENRY, TR ON MORNING GLORY, 9TH LOT ON LEFT

TYPE DEVELOPMENTSFD,UTILITY

ESTIMATED COST OF CONSTRUCTION128400.00

HEATED FLOOR AREA1805.00

TOTAL AREA2568.00

HEIGHT

STORIES1

FOUNDATIONCONC

WALLSFRAMED

ROOF PITCH8/12

FLOORSLAB

LAND USE & ZONINGRSF-2

MAX. HEIGHT

Minimum Set Back Requirments:

STREET-FRONT25.00

REAR15.00

SIDE10.00

NO. EX.D.U.0

FLOOD ZONEX PP

DEVELOPMENT PERMIT NO.

PARCEL ID15-4S-16-03023-509

SUBDIVISIONROLLING MEADOWS

LOT9

BLOCK

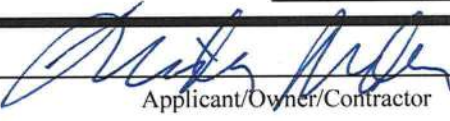
PHASE

UNIT

TOTAL ACRES

000001589

CBC1250331



Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

CULVERT08-335

BK

JH

Y

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS:MFE @ 102.0, ELEVATION CONFIRMATION LETTER REQUIRED AT SLAB,

NOC ON FILE

Check # or Cash

2204

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

Pool

date/app. by

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$645.00

CERTIFICATION FEE \$12.84

SURCHARGE FEE \$12.84

MISC. FEES \$0.00

ZONING CERT. FEE \$50.00

FIRE FEE \$0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$25.00

CULVERT FEE \$25.00

TOTAL FEE770.68

INSPECTORS OFFICE

CLERKS 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.

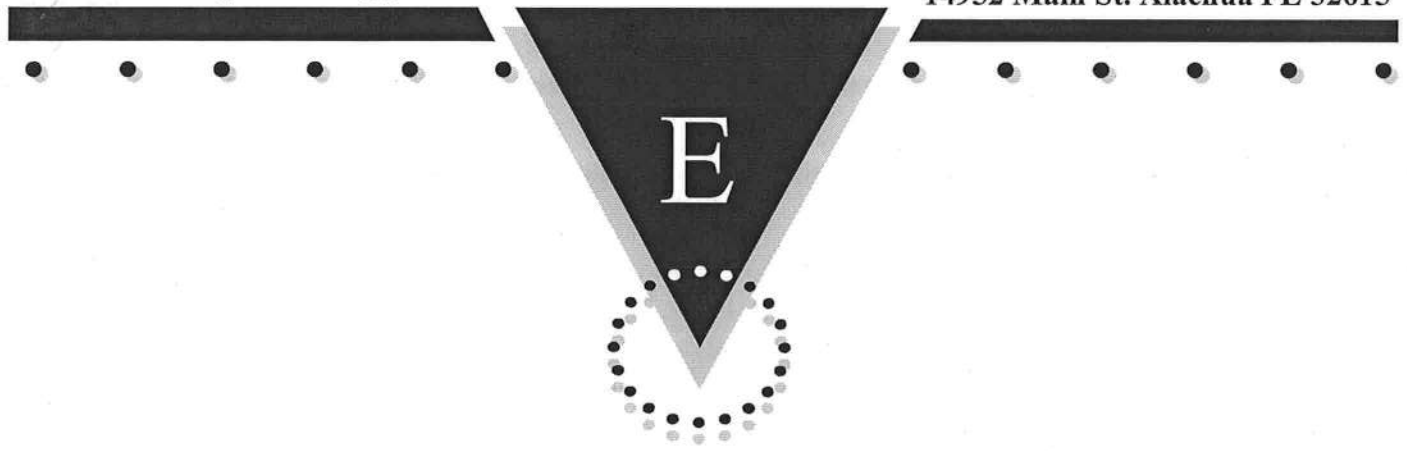
"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

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.

Schafer Engineering, LLC

14952 Main St. Alachua FL 32615



E

Prepared for:

JASON ELIXSON CONSTRUCTION
ELIXSON RESIDENCE
COLUMBIA COUNTY

By:

Schafer Engineering, LLC

386-462-1340 / 352-375-6329

NO COPIES ARE TO BE PERMITTED

SCHAFFER ENGINEERING LLC

Trusses: Pre-engineered with manufacturer's required bracing system installed.

Roof sheathing: Type OSB Size 7/16 Fastener type nails 8d/.113 Ring Shank

Interior zone spacing: Interior 6 in. Periphery 4 in.

Edge and end zone spacing: Interior 6 in. Periphery 4 in.

Top double pl: Type Spruce Grade #1 #2 Size 2 x 4 Nail spacing 10 in.

Studs: Type Spruce Grade #1 #2 Size 2 x 4

Interior stud spacing 16 in. Composite (yes or no) Y

End stud spacing 16 in. Composite (yes or no) Y

Shearwall siding: Type OSB Thickness 7/16 in.

67' - Trans: Fastener 8d / 13' Spacing: Int 8 in. Edge 4 in.
37' - Long: Fastener 8d / 13' Spacing: Int 8 in. Edge 4 in.

Allowable unit shear on shearwalls: 314 pounds per linear foot

Unit shear transferred from diaphragm: Trans: 257 Long: 136

Wall tension transferred by: Siding nails 8d/13' @ 4 O.C. edges

Foundation anchor bolts: Concrete strength 3000 psi Size 1/2 in. Shape L
Washer 2" Embedment 7 in. Location of first anchor bolt from corner 8 in.

Anchor Bolts @ 48" O.C. Model A307 Loc. from corner 8 in.

Type of foundation: 1 #5 rebar continuous required in bond beam.

Floor slab 4 in. CMU: Size 8 x 16 in. Height 24 in. Reinf. #5 at 72 in.

Monolithic footing: Depth 20 in. Bottom width 16 in. Reinf. 3 # 5 bars

Footing: Width 20 in. Depth 10 in. Reinforcing 3 # 5 bars
Interior Footings: 16" W X 10" D

Porch Columns: 4x4x9.5yp #5 @ 120" O.C. max. **Column Fasteners:** Sipro - CB44/CC44 OR EAVM

Special Comments: _____

NOTE:

1. Balloon frame ALL gable ends unless this summary is accompanied by Gable End Wall Brace detail.
2. All trusses must bear on exterior walls & porch beams.
3. All walls to be nailed with same nailing pattern as shear walls.
4. This is a wind load only, NOT a structural analysis.
5. This wind load is not valid without a raised, embossed seal.
6. It is assumed that ideal soil conditions and pad preparations are provided.
7. Fiber mesh or WWM may be used in concrete slab.
8. Trusses must be anchored and supported in accordance to the truss engineering.
9. Wind design and analysis valid for one use only, no copies permitted.
10. The foundation is for minimum design use and may be increased.
11. All headers over 12 feet to be pre-engineered.

B. Schaffer
1-28-05

48984

7104 NW 42nd Ln

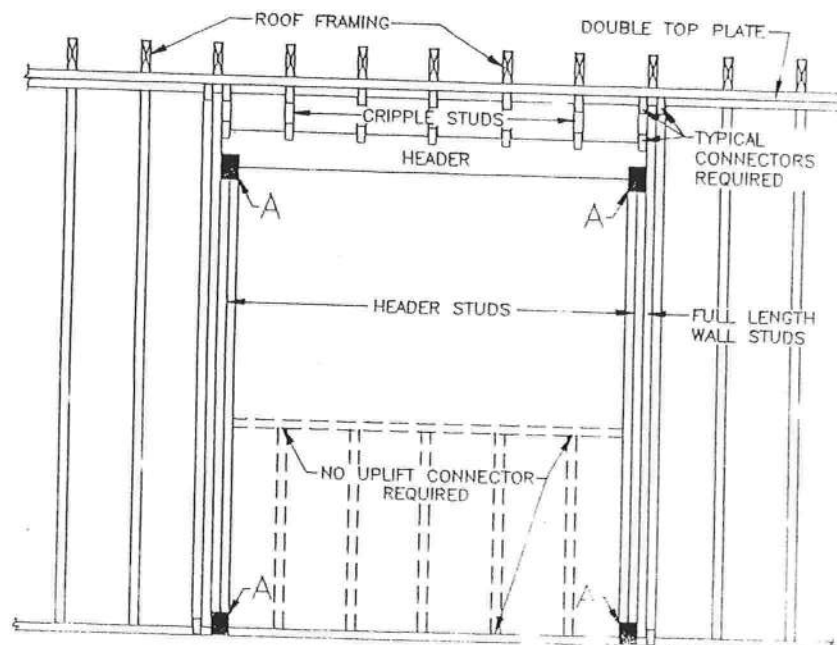
Gainesville, FL

		Maximum Header Span (ft.)					
		3'	6'	9'	12'	15'	18'
		Number of Header Studs Supporting End of Header					
		1 ¹	1	2	2	2	2
Unsupported Wall Height	Stud Spacing	Number of Full-Length Studs at Each End of Header					
10' or less	12 in.	2	2	3	3	3	3
	16 in.	2	2	3	3	3	3
	24 in.	1	2	2	2	2	2
greater than 10'	12 in.	2	2	3	4	5	5
	16 in.	2	2	3	3	4	4
	24 in.	1	2	2	2	3	3

1. The header stud shall not be required if the header is supported by a suitable framing anchor.

Uplift connection requirement at points A (top and bottom of header studs): Uplift load per framing member above the header from Table 307F1 or 307A, as appropriate, multiplied by the number of framing members displaced divided by two.

NOTE: Uplift connection is required at each end of header and at bottom of header studs in addition to connectors at wall studs and at top and bottom of cripples



TIE-DOWN TABLES

HEADERS				
Uplift Force Lbs	Top Connector **	Rating Lbs	Bottom Connector **	Rating Lbs
to 455	LSTA9	725	H3	455
to 910	LSTA12	905	2-H3	910
to 1265	LSTA18	1265	LTT19	1350
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2565
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3700

Total uplift for each truss resting on the header and divide by 2 to determine the uplift force.
Use proper bolt anchors sufficient to support required load.

TRUSSES/GIRDERS		
Uplift Force Lbs	Top Connector **	Bottom Connector **
to 500	H2.5	N/A
501-1049	H10	N/A
1050-1350	TS22	LTT19
1351-1750	2-TS22	LTT20
1751-2570	2-TS22	HD2A
2571-3665	3-TS22	HD5A
3666-5260	2-MST148	HTT22
5261-8300	2-MST48	HD10A

Two 12d common toenails are required per truss/rafter per bearing point into plate.

Use proper bolt anchors.

Strap rafters to truss or at each end with minimum uplift resistance of 450# each end.

Strap ridge beam at each end with minimum uplift resistance of 1000#.

It is the contractors' responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation.

	Top Connector **	Rating Lbs	Bottom Connector **	Rating
BEAM SEATS	LSTA18*	1200	LTT19*	1250
POSTS (max 17' spacing)	2-LSTA18	2400	ABU44	2300

*or per truss engineering

Use proper bolt anchors

All beams to be sheathed or strapped to Double Top Plate when applicable.

CRIPPLES	Sheathing nailing alone adequate w/8d nails @ 3" O.C.
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STUDS
Wall sheathing nailing Adequate exterior walls bottom w/8d nails.
Use SP1 & SP2 @32" O.C. on all interior non-sheathed bearing walls.
Interior anchor bolts to be 1/2" x 8" A307 or 1/2" x 7" wedge anchor or equivalent.

** Equivalent Simpson hardware, or other manufacturer, may be substituted for any of the hardware specified on this page as long as it meets the required load capacities/uplift resistance.

NOTE:

1. For nailing into SPF members, multiply table values by .86
2. See truss engineering for anchor tie-down values.

Wind Load Design per ASCE 7-02

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	33.7	Deg
Type of Roof	Hipped	
Eave Height (Eht)	9.00	ft
Ridge Height (RHt)	22.58	ft
Mean Roof Height (Ht)	15.61	ft
Width Perp. to Wind (B)	60.83	ft
Width Parallel to Wind (L)	50.67	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.31
Flexible Structure	No

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
lzm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.8906	
Gust2	0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	0.8604	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	V*(5280/3600)	161.33	ft/s
Vzm	bm*(zm/33)^Am*Vhref	70.89	ft/s
NF1	NatFreq*Lzm/Vzm	4.37	Hz
Rn	(7.47*Nf1)/(1+10.302*Nf1)^1.667	0.0552	
Nh	4.6*NatFreq*Ht/Vzm	1.01	
Nb	4.6*NatFreq*B/Vzm	3.95	
Nd	15.4*NatFreq*Depth/Vzm	11.01	
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh))))	0.5642	
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb))))	0.2213	
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd))))	0.0867	
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.6270	
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19	
Gust3	0.925*((1+1.7*lzm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*lzm))	1.03	

Gust Factor Summary			
Main Wind-force resisting system:		Components and Cladding:	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.86	Gust Factor (G)	0.86

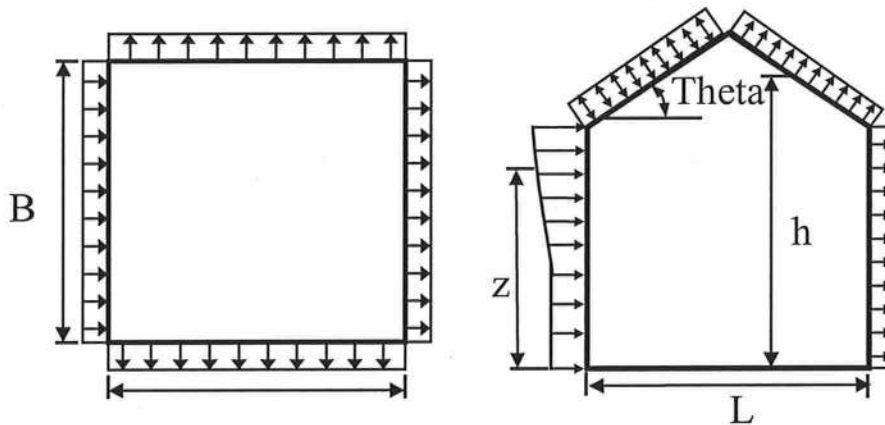
Wind Load Design per ASCE 7-02

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev. ft	Kz	Kzt	Kd	qz lb/ft^2	Pressure (lb/ft^2)	
					Windward Wall*	
					+GCpi	-GCpi
22.58	0.70	1.00	1.00	21.70	11.70	18.18
20	0.70	1.00	1.00	21.70	11.70	18.18
15.61	0.70	1.00	1.00	21.70	11.70	18.18
15	0.70	1.00	1.00	21.70	11.70	18.18

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	$2.01 \cdot (Ht/zg)^{(2/\alpha)}$	0.58	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	$.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot Kh \cdot Kht \cdot Kd$	18.01	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Description	Cp	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 60.83 ft wall)	-0.50	-10.99	-4.51
Leeward Walls (Wind Dir Parallel to 50.67 ft wall)	-0.46	-10.37	-3.88
Side Walls	-0.70	-14.09	-7.60
Roof - Normal to Ridge (Theta >= 10)			
Windward - Max Negative	-0.09	-4.58	1.90
Windward - Max Positive	0.35	2.19	8.68
Leeward Normal to Ridge	-0.60	-12.54	-6.05
Overhang Top	-0.09	-1.34	-1.34
Overhang Bottom	0.80	0.69	0.69
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 7.805 ft	-0.90	-17.19	-10.70

ASCE 7-02

1/18/08

Wind Load Design per ASCE 7-02

Dist from Windward Edge: 7.805 ft to 15.61 ft	-0.90	-17.19	-10.70
Dist from Windward Edge: 15.61 ft to 31.22 ft	-0.50	-10.99	-4.51
Dist from Windward Edge: > 31.22 ft	-0.30	-7.89	-1.41

* Horizontal distance from windward edge

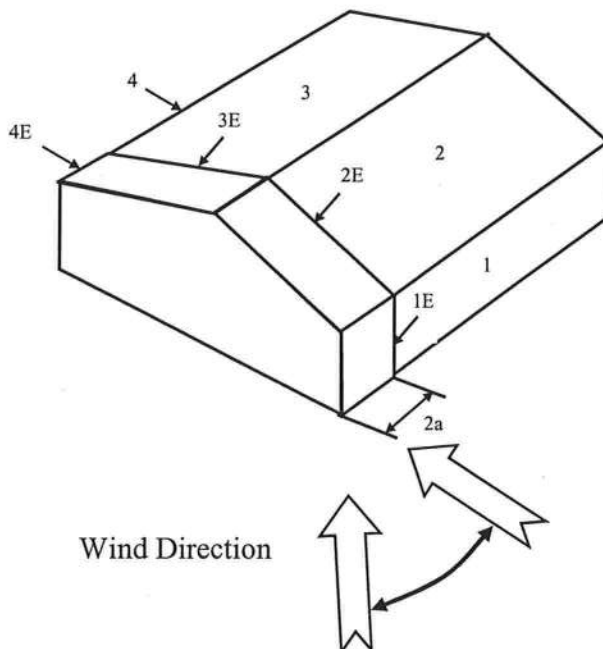
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	$2.01 \cdot (Ht/zg)^{2/\alpha}$	=	0.58
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	$0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot Kh \cdot Kht \cdot Kd$	=	18.01

Case A						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.56	0.18	-0.18	21.70	8.25	16.06
2	0.21	0.18	-0.18	21.70	0.65	8.46
3	-0.43	0.18	-0.18	21.70	-13.24	-5.43
4	-0.37	0.18	-0.18	21.70	-11.94	-4.12
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.69	0.18	-0.18	21.70	11.07	18.88
2E	0.27	0.18	-0.18	21.70	1.95	9.77
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

* $p = qh \cdot (GCpf - GCpi)$



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Wind Load Design per ASCE 7-02

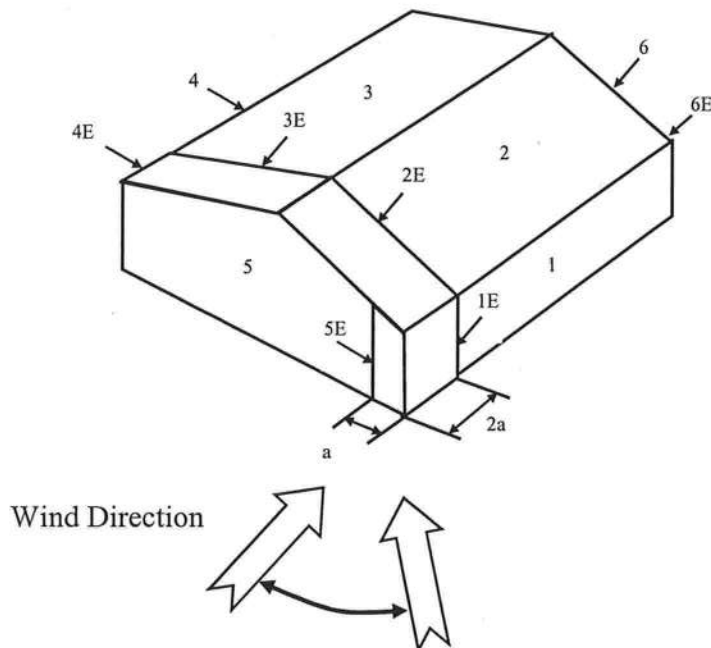
Figure 6-4 - External Pressure Coefficients, GC_{pf}

Loads on Main Wind-Force Resisting Systems w/ $H_t \leq 60$ ft

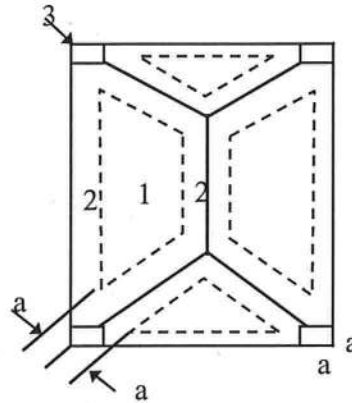
$$\begin{aligned} K_h &= 2.01 \cdot (H_t/z_g)^{2/\alpha} &= & 0.58 \\ K_{ht} &= \text{Topographic factor (Fig 6-2)} &= & 1.00 \\ Q_h &= 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d &= & 18.01 \end{aligned}$$

Case B						
Surface	GC_{pf}	$+GC_{pi}$	$-GC_{pi}$	q_h (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	21.70	-13.67	-5.86
2	-0.69	0.18	-0.18	21.70	-18.88	-11.07
3	-0.37	0.18	-0.18	21.70	-11.94	-4.12
4	-0.45	0.18	-0.18	21.70	-13.67	-5.86
5	0.40	0.18	-0.18	21.70	4.77	12.59
6	-0.29	0.18	-0.18	21.70	-10.20	-2.39
1E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
2E	-1.07	0.18	-0.18	21.70	-27.13	-19.31
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.61	0.18	-0.18	21.70	9.33	17.14
6E	-0.43	0.18	-0.18	21.70	-13.24	-5.43

$$* p = q_h \cdot (GC_{pf} - GC_{pi})$$



Loads on Components and Cladding for Buildings w/ Ht ≤ 60 ft



10 < Theta <= 30

5.07 ft

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

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ASCE 7-02

1/18/08

Wind Load Design per ASCE 7-02

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	0.18	-0.18

Table 6-8 External Pressure Coefficients for Arched Roofs, Cp

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	Cp		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	Cp	0.13	-1	-0.5
	P (+GCpi) - psf	-1.30	-18.73	-10.99
	P (-GCpi) -psf	5.18	-12.25	-4.51
Roof Springing from Ground	Cp	0.42	-1	-0.5
	P (+GCpi) - psf	3.27	-18.73	-10.99
	P (-GCpi) -psf	3.27	-18.73	-10.99

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, Cf

Variable	Description	Value	
L	Roof dimension normal to wind direction	50.67	ft
B	Roof dimension parallel to wind direction	60.83	ft
L/B	Ratio of L to B	0.833	
Theta	Slope of Roof	33.7	Deg
Cf	Force Coefficient	0.00	
X	Distance to center of pressure from windward edge	0.00	ft

Columbia County Building Permit Application

For Office Use Only Application # 0804-54 Date Received 4/25/08 By GF Permit # 1589/26983
 Zoning Official BLK Date 06.05.08 Flood Zone 1A plat FEMA Map # N/A Zoning RSF-2
 Land Use Res. In Den. Elevation N/A MFE 102.0 ft River N/A Plans Examiner OK 5/11 Date 5-6-08
 Comments Elevation Confirmation Request prior to permit Power S/AB
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Fax: 752-2282

Name Authorized Person Signing Permit Linda or Melanie Roder Phone 752-2281

Address 387 SW Kemp Ct Lake City FL 32024

Owners Name Jason Elixson Phone 755-2735

911 Address 299 SW Morning Glory Dr Lake City FL 32024

Contractors Name Jason Elixson Phone 755-2735

Address POB 4853 West SR 238 Lake Butler FL 32054

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Jason Elixson/Schafer Engineering

Mortgage Lenders Name & Address NA

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

Property ID Number 15-45-16-03023-509 Estimated Cost of Construction 125 K

Subdivision Name Rolling Meadows Lot 9 Block _____ Unit _____ Phase _____

Driving Directions Hwy 90 West, Lon County Rd 247, Lon Callahan, L on Hope Henry, Ron morning Glory, Lot on left in Curve

Number of Existing Dwellings on Property 0

Construction of Single family dwelling Total Acreage .56 Lot Size .56

Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 22

Actual Distance of Structure from Property Lines - Front 30' Side 12' Side 12' Rear 155'

Number of Stories 1 Heated Floor Area 1805 Total Heated Floor Area 1805 Roof Pitch 8-12
2568

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, regulations, codes, and ordinances in this jurisdiction.
spoke to Linda 5/6/08

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.

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.

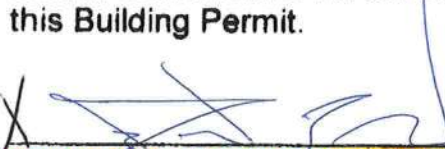
NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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.

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.

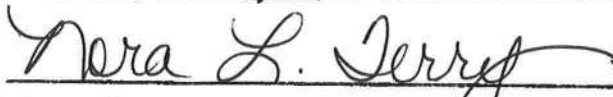
X 
Owners Signature

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.

X 
Contractor's Signature (Permittee)

Contractor's License Number CBC1250331
Columbia County
Competency Card Number N/A

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 17th day of April 2008
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:



This Instrument Prepared By:
 Michael H. Harrell
 Abstract & Title Services, Inc.
 283 NW Cole Terrace
 Lake City, Florida 32055
 AT# 16731

GENERAL WARRANTY DEED

Corporation to Individual (or Corporation/LLC)

This Warranty Deed made this 11th day of September, 2007 by

J & O Enterprises, Inc.

Inst:200712020810 Date:9/13/2007 Time:9:19 AM
 Doc Stamp-Deed:273.00

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

having its principle place of business at PO Box 3333, Lake City, FL 32056, hereinafter called the Grantor, to

Jason Elixson

whose post office address is 4853 West SR 238, Lake Butler, FL 32054, hereinafter called the Grantee.

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of Individuals, and the successors and assigns of Corporation.)

The Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, unto the Grantee all that certain land, situate in Columbia County, Florida, viz: TAX ID:R03023-509 :

Lot 9, of Rolling Meadows, according to the plat thereof, as recorded in Plat Book 8, Page 45 and 46, of the Public Records of Columbia County, Florida.

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

To have and to hold, the same in fee simple forever.

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

In witness whereof, the said Grantor has signed and sealed these presents the day and year first above written.

WITNESS

Printed Name:

WITNESS

Printed Name:

J & O Enterprises, Inc.

BY:

Justin M. Fitzhugh
 President

State of Florida
 County of Columbia

I hereby certify that on this 11th day of September, 2007, before me, an officer duly authorized to administer oaths and take acknowledgements, personally appeared Justin M. Fitzhugh, the President of J & O Enterprises, Inc. who is personally known to me or produced a drivers license for identification, and known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that he/she/they executed the same, and an oath was not taken.

(SEAL)

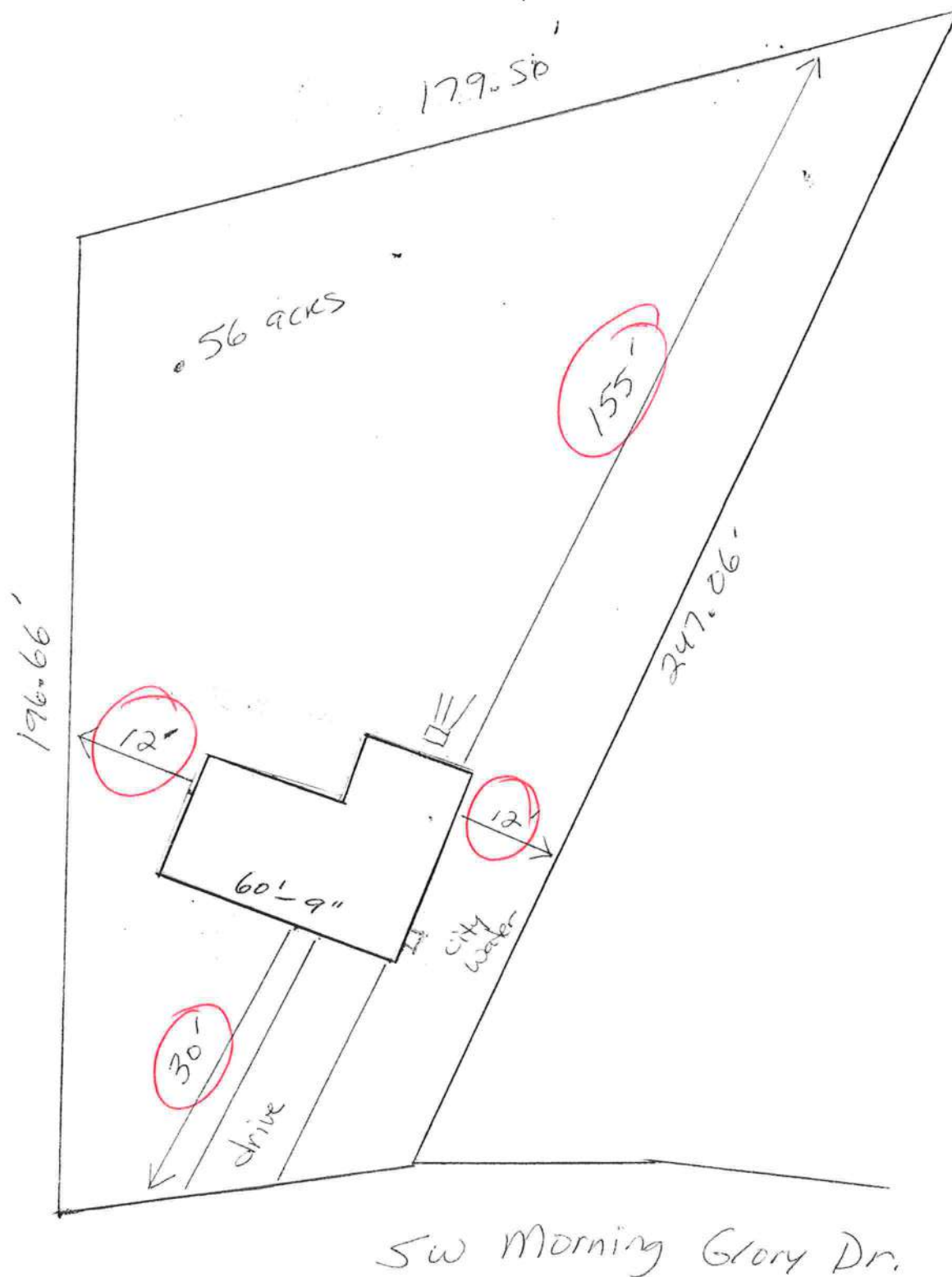
NOTARY PUBLIC

My Commission Expires:

NOTARY PUBLIC

DORIS M DRAKE

Lot 9 Rolling Meadows
Jason Elixson



NOTICE OF COMMENCEMENT

Tax Parcel ID No. 15-4S-16-03023-509

State of Florida
County of Columbia

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance with chapter 713 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

Legal description of property: Lot 9, Rolling Meadows, Lake City, Columbia County, Florida

General description of improvements: Construction of dwelling

Owner's Name: Jason Elixson
Address: 4853 West State Road 238, Lake Butler, FL 32054

Inst: 200812008167 Date: 4/25/2008 Time: 1:00 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1148 P: 2666

Owner's interest in site of the improvement:

Fee Simple Title holder (if other than owner):

Address: Phone: Fax:

Contractor: Jason Elixson Construction
Address: 4853 West SR 238, Lake Butler, FL 32054
Phone: 386-623-1741 Fax: 386-755-2735

Surety:
Address:

Lender's Name: Amount of Bond:
Address: Phone: Fax:

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.

Name: Jason Elixson
Address: 4853 West SR 238, Lake Butler, FL 32054
Phone: 386-623-1741 Fax: 386-755-2735

In addition to himself, owner designates N/A of to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

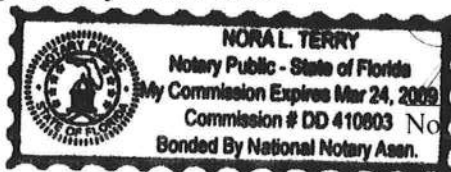
Expiration date of Notice of Commencement is 1 year from the date of recording unless a different date is specified.

Signature of Owner

Printed Name of Owner

Sworn to and subscribed before me this 17th day of April, 2008, by
Jason Elixson
who has produced _____ as identification
☒ who is personally known to me

Notary Seal



Nora L. Terry

Notice of Authorization

I, Jason Elixson, hereby authorize Linda Roder or Melanie Roder to be my Representative and act on my behalf in all aspects for applying for a Building Permit to be located in Columbia County.

Contractor's Signature

Date _____

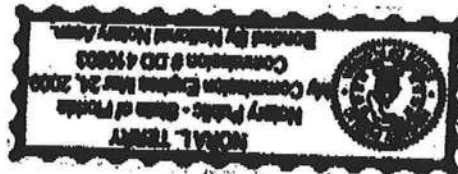
Sworn to and Subscribed before me this 24th day of April, 2008
by JASON ELIXSON, who

✓ is Personally Known or

has produced _____ as identification.

Notary Public

Notary Stamp



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Rolling Meadows Lot 9	Builder:	Jason Elixson Construction,
Address:		Permitting Office:	Columbia
City, State:	Lake City, FL	Permit Number:	26983
Owner:	Jason Elixson	Jurisdiction Number:	221000
Climate Zone:	North		

- | | |
|--|---|
| <p>1. New construction or existing New ☐</p> <p>2. Single family or multi-family Single family ☐</p> <p>3. Number of units, if multi-family 1 ☐</p> <p>4. Number of Bedrooms 3 ☐</p> <p>5. Is this a worst case? Yes ☐</p> <p>6. Conditioned floor area (ft²) 1805 ft² ☐</p> <p>7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)</p> <p style="margin-left: 20px;">a. U-factor: Description Area
(or Single or Double DEFAULT) 7a. (Dble Default) 237.0 ft² ☐</p> <p style="margin-left: 20px;">b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 237.0 ft² ☐</p> <p>8. Floor types</p> <p style="margin-left: 20px;">a. Slab-On-Grade Edge Insulation R=3.5, 234.0(p) ft ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p>9. Wall types</p> <p style="margin-left: 20px;">a. Frame, Wood, Exterior R=11.0, 1803.0 ft² ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p style="margin-left: 20px;">d. N/A ☐</p> <p style="margin-left: 20px;">e. N/A ☐</p> <p>10. Ceiling types</p> <p style="margin-left: 20px;">a. Under Attic R=30.0, 1805.0 ft² ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p>11. Ducts</p> <p style="margin-left: 20px;">a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 142.0 ft ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> | <p>12. Cooling systems</p> <p style="margin-left: 20px;">a. Central Unit Cap: 36.0 kBtu/hr ☐
SEER: 13.00 ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p>13. Heating systems</p> <p style="margin-left: 20px;">a. Electric Heat Pump Cap: 36.0 kBtu/hr ☐
HSPF: 7.70 ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. N/A ☐</p> <p>14. Hot water systems</p> <p style="margin-left: 20px;">a. Electric Resistance Cap: 50.0 gallons ☐
EF: 0.92 ☐</p> <p style="margin-left: 20px;">b. N/A ☐</p> <p style="margin-left: 20px;">c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐</p> <p>15. HVAC credits PT, ☐
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)</p> |
|--|---|

Glass/Floor Area: 0.13

Total as-built points: 23259

Total base points: 26050

PASS

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

PREPARED BY:**DATE:**

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

OWNER/AGENT:**DATE:**

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

**BUILDING OFFICIAL:****DATE:**

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points							
.18	1805.0	18.59	6040.0	1.Double, Clear	E	0.0	0.0	90.0	42.06	1.00	3785.0
				2.Double, Clear	S	0.0	0.0	30.0	35.87	1.00	1075.0
				3.Double, Clear	S	0.0	0.0	4.0	35.87	1.00	143.0
				4.Double, Clear	W	0.0	0.0	15.0	38.52	1.00	577.0
				5.Double, Clear	W	0.0	0.0	30.0	38.52	1.00	1155.0
				6.Double, Clear	W	0.0	0.0	20.0	38.52	1.00	770.0
				7.Double, Clear	W	0.0	0.0	6.0	38.52	1.00	231.0
				8.Double, Clear	N	0.0	0.0	6.0	19.20	1.00	115.0
				9.Double, Clear	N	0.0	0.0	36.0	19.20	1.00	691.0
				As-Built Total:				237.0		8542.0	
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			11.0	1803.0	1.70	3065.1	
Exterior	1803.0	1.70	3065.1								
Base Total:		1803.0	3065.1	As-Built Total:				1803.0		3065.1	
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				33.3	4.10	136.7	
Exterior	120.0	6.10	731.9	2.Exterior Insulated				20.0	4.10	82.0	
				3.Exterior Insulated				66.7	4.10	273.3	
Base Total:		120.0	731.9	As-Built Total:				120.0		492.0	
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1805.0	1.73	3122.7	1. Under Attic			30.0	1805.0	1.73 X 1.00	3122.7	
Base Total:		1805.0	3122.7	As-Built Total:				1805.0		3122.7	
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	234.0(p)	-37.0	-8658.0	1. Slab-On-Grade Edge Insulation			3.5	234.0(p)	-37.00	-8658.0	
Raised	0.0	0.00	0.0								
Base Total:			-8658.0	As-Built Total:				234.0		-8658.0	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
		1805.0	10.21			18429.1			1805.0	10.21	18429.1

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

ADDRESS: , Lake City, FL,

PERMIT #:

BASE			AS-BUILT						
Summer Base Points: 22730.7			Summer As-Built Points: 24992.8						
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
22730.7	0.3250	7387.5	(sys 1: Central Unit 36000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 24993 1.00 (1.09 x 1.147 x 0.91) 0.260 0.950 7023.3 24992.8 1.00 1.138 0.260 0.950 7023.3						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

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 = Points								
.18	1805.0	20.17	6553.0	1.Double, Clear	E	0.0	0.0	90.0	18.79	1.00	1691.0					
				2.Double, Clear	S	0.0	0.0	30.0	13.30	1.00	398.0					
				3.Double, Clear	S	0.0	0.0	4.0	13.30	1.00	53.0					
				4.Double, Clear	W	0.0	0.0	15.0	20.73	1.00	310.0					
				5.Double, Clear	W	0.0	0.0	30.0	20.73	1.00	621.0					
				6.Double, Clear	W	0.0	0.0	20.0	20.73	1.00	414.0					
				7.Double, Clear	W	0.0	0.0	6.0	20.73	1.00	124.0					
				8.Double, Clear	N	0.0	0.0	6.0	24.58	1.00	147.0					
				9.Double, Clear	N	0.0	0.0	36.0	24.58	1.00	884.0					
								As-Built Total:			237.0			4642.0		
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points								
Adjacent Exterior	0.0 1803.0	0.00 3.70	0.0 6671.1	1. Frame, Wood, Exterior	11.0			1803.0	3.70	6671.1						
Base Total:				1803.0			6671.1			As-Built Total:			1803.0		6671.1	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points								
Adjacent Exterior	0.0 120.0	0.00 12.30	0.0 1475.9	1.Exterior Insulated				33.3	8.40	280.0						
				2.Exterior Insulated				20.0	8.40	168.0						
				3.Exterior Insulated				66.7	8.40	559.9						
Base Total:				120.0			1475.9			As-Built Total:			120.0		1007.9	
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points								
Under Attic	1805.0	2.05	3700.3	1. Under Attic	30.0			1805.0	2.05 X 1.00	3700.3						
Base Total:				1805.0			3700.3			As-Built Total:			1805.0		3700.3	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points								
Slab Raised	234.0(p) 0.0	8.9 0.00	2082.6 0.0	1. Slab-On-Grade Edge Insulation	3.5			234.0(p)	8.90	2082.6						
Base Total:				2082.6			As-Built Total:			234.0			2082.6			
INFILTRATION Area X BWPM = Points				Area X WPM = Points												
1805.0 -0.59 -1064.9				1805.0 -0.59 -1064.9												

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

ADDRESS: , Lake City, FL,

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 19417.9			Winter As-Built Points: 17038.9						
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
19417.9	0.5540	10757.5	(sys 1: Electric Heat Pump 36000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0 17038.9 1.000 (1.069 x 1.169 x 0.93) 0.443 0.950 8331.1						
19417.9	0.5540	10757.5	17038.9	1.00	1.162	0.443	0.950	8331.1	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.92	3	1.00	2635.00	1.00	7905.0
				As-Built Total:						7905.0

CODE COMPLIANCE STATUS													
BASE					AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
7387		10758		7905		26050	7023		8331		7905		23259

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.9

The higher the score, the more efficient the home.

Jason Elixson, , Lake City, FL

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1805 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: 36.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 237.0 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 237.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=3.5, 234.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
c. N/A	___	___		EF: 0.92
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=11.0, 1803.0 ft ²	___	c. Conservation credits	___
b. N/A	___	___	(HR-Heat recovery, Solar	___
c. N/A	___	___	DHP-Dedicated heat pump)	___
d. N/A	___	___	15. HVAC credits	PT, ___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1805.0 ft ²	___	PT-Programmable Thermostat,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 142.0 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 EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

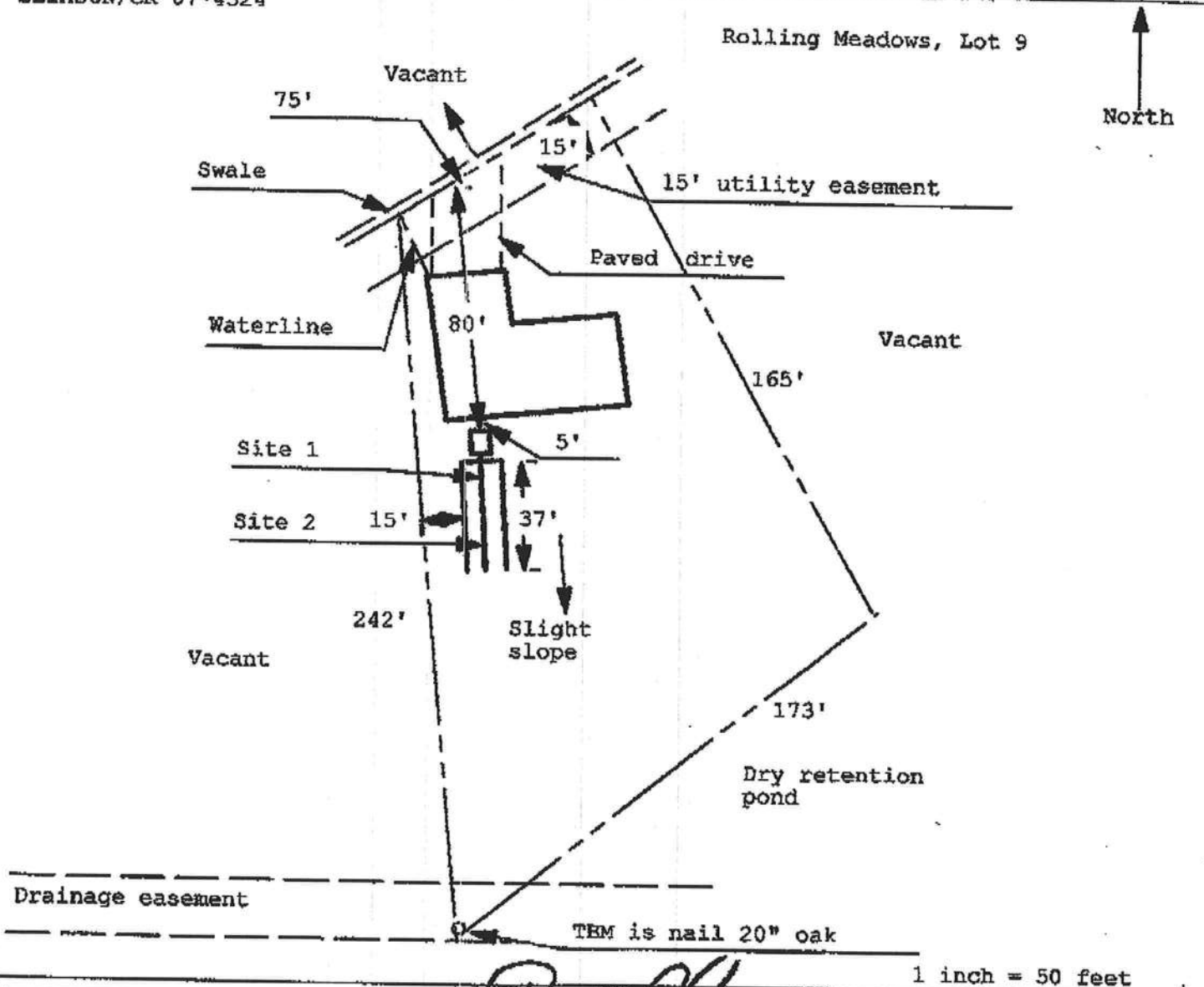
¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

0804-54

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 08-0335

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ELIXSON/CR 07-4324



Site Plan Submitted By Paul D. Lyle Date 3/17/08
 Plan Approved ☒ Not Approved ☐ Date 4-28-08
 By Mr. A. Lyle Columbia CPHU

Notes:

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001589

DATE 05/07/2008 PARCEL ID # 15-4S-16-03023-509
APPLICANT LINDA RODER PHONE 752-2281
ADDRESS 387 SW KEMP CT LAKE CITY FL 32024
OWNER JASON ELIXSON PHONE 755-2735
ADDRESS 299 SW MORNING GLORY DR LAKE CITY FL 32024
CONTRACTOR JASON ELIXSON PHONE 755-2735
LOCATION OF PROPERTY 90W, TL ON 247S, TL ON CALLAHAN, TL ON HOPE HENRY, TR ON
MORNING GLORY, 9TH LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 9

SIGNATURE



INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00





BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

*Land Surveyors
and Mappers*

06/13/08

L-19359

Permit #26983

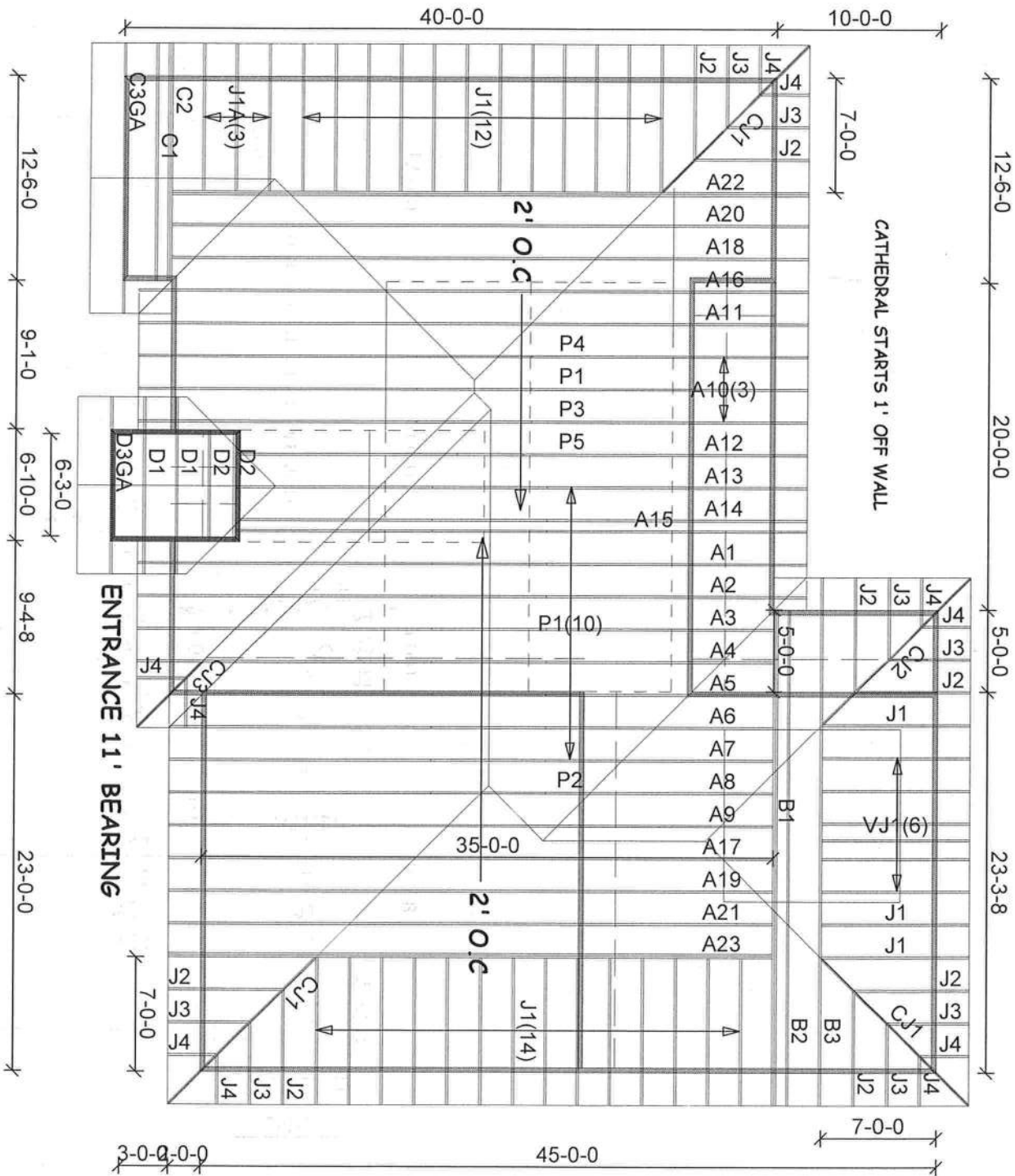
To Whom It May Concern:

C/o: Jason Elixson Construction

Re: Lot 9 of Rolling Meadows

The elevation of the foundation is found to be 103.69 feet. The minimum floor elevation as per the plat of record is shown to be 102.00 feet. The centerline of the adjacent road SW Morning Glory Drive is 105.16 feet. The highest adjacent grade is 102.65 feet. The lowest adjacent grade is 101.50 feet. The elevations shown hereon are based on NGVD 29 Datum.

L. Scott Britt
PLS #5757



Mayo T russ Co. Inc.

845 East US 27
MAYO, FL 32066
(386)294-3988
(877)-558-6262

JASON ELIXSON CONSTRUCTION

SPEC HOUSE

110 MPH ASCE WIND LOAD

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

Account: CONTRACTORS
Job: ELIXSON-SPEC
Designer: C. LITTLE
Checker:
Date: 01-31-08



RE: ELIXSON-SPEC -

Site Information:

Project Customer: JASON ELIXSON CONSTRUCTION Project Name: ELIXSON-SPEC

Lot/Block: . Subdivision: .

Address: .
City: . 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 21.5.049□

Wind Code: ASCE 7-02 Wind Speed: 110 mph Floor Load: N/A psf

Roof Load: 40.0 psf

This package includes 46 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	T2870133	A1	1/28/08	18	T2870150	A18	1/28/08
2	T2870134	A2	1/28/08	19	T2870151	A19	1/28/08
3	T2870135	A3	1/28/08	20	T2870152	A20	1/28/08
4	T2870136	A4	1/28/08	21	T2870153	A21	1/28/08
5	T2870137	A5	1/28/08	22	T2870154	A22	1/28/08
6	T2870138	A6	1/28/08	23	T2870155	A23	1/28/08
7	T2870139	A7	1/28/08	24	T2870156	B1	1/28/08
8	T2870140	A8	1/28/08	25	T2870157	B2	1/28/08
9	T2870141	A9	1/28/08	26	T2870158	B3	1/28/08
10	T2870142	A10	1/28/08	27	T2870159	C1	1/28/08
11	T2870143	A11	1/28/08	28	T2870160	C2	1/28/08
12	T2870144	A12	1/28/08	29	T2870161	C3GA	1/28/08
13	T2870145	A13	1/28/08	30	T2870162	CJ1	1/28/08
14	T2870146	A14	1/28/08	31	T2870163	CJ2	1/28/08
15	T2870147	A15	1/28/08	32	T2870164	CJ3	1/28/08
16	T2870148	A16	1/28/08	33	T2870165	D1	1/28/08
17	T2870149	A17	1/28/08	34	T2870166	D2	1/28/08

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: O'Regan, Philip

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

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

January 28, 2008

DALLAS

TAMPA

FT. WORTH
O'Regan, Philip

1 of 2

RE: ELIXSON-SPEC -

Site Information:

Project Customer: JASON ELIXSON CONSTRUCTION Project Name: ELIXSON-SPEC

Lot/Block: . Subdivision: .

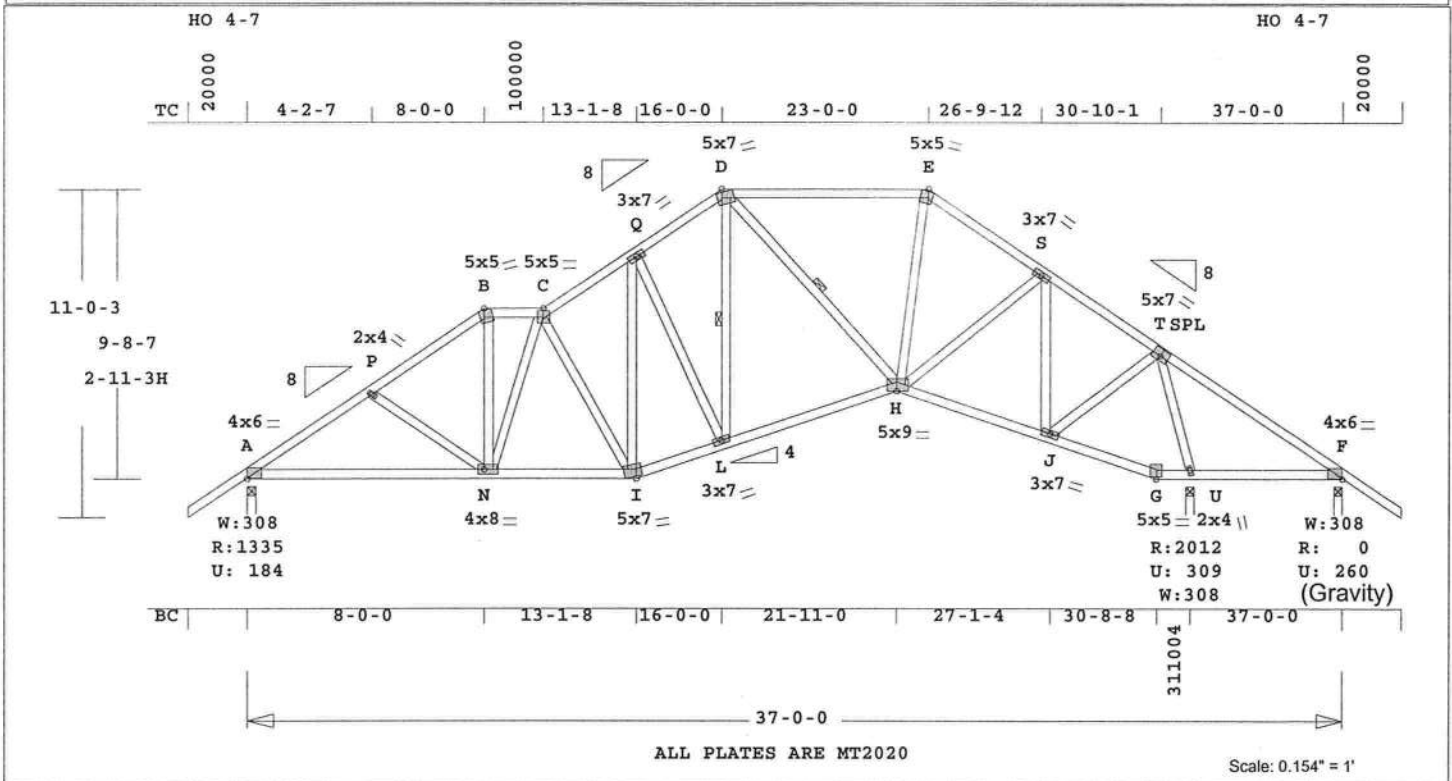
Address: .

City: . State: FLORIDA

No.	Seal#	Truss Name	Date
35	T2870167	D3GA	1/28/08
36	T2870168	J1	1/28/08
37	T2870169	J1A	1/28/08
38	T2870170	J2	1/28/08
39	T2870171	J3	1/28/08
40	T2870172	J4	1/28/08
41	T2870173	P1	1/28/08
42	T2870174	P2	1/28/08
43	T2870175	P3	1/28/08
44	T2870176	P4	1/28/08
45	T2870177	P5	1/28/08
46	T2870178	VJ1	1/28/08

Job ELIXSON-SPEC	Mark AI	Quan 1	Type SP	Span 370000	P1-H1 8	Left OH 2- 0- 0	Right OH 2- 0- 0	Engineering T2870133
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus[™] APPROX. TRUSS WEIGHT: 309.2 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.49 2x 4 SP-#2
BC 0.41 2x 4 SP-#2
WB 0.44 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 16- 0- 0
TC 24.0" 16- 0- 0 23- 0- 0
TC Cont. 23- 0- 0 37- 0- 0
BC Cont. 0- 0- 0 37- 0- 0
One Continuous Lateral Brace
L -D D -H
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 1336 185 U 216 R
U 2013 309 U
F 261 G 215 R
G = Gravity Uplift

Jt Brg Size Required
A 3.5" 1.6"
U 3.5" 2.1"
F 3.5" 1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -P 0.16 1770 C 0.07 0.09
P -B 0.15 1572 C 0.07 0.08
B -C 0.13 1310 C 0.01 0.12
C -Q 0.16 1421 C 0.01 0.15
Q -D 0.29 1270 C 0.01 0.28
D -E 0.49 1089 C 0.01 0.48
E -S 0.24 1241 C 0.00 0.24
S -T 0.34 761 C 0.00 0.34
T -F 0.48 779 T 0.14 0.34
-----Bottom Chords-----
A -N 0.40 1470 T 0.14 0.26
N -I 0.41 1474 T 0.15 0.26

I -L	0.29	1255	T	0.21	0.08
L -H	0.29	1131	T	0.19	0.10
H -J	0.18	647	T	0.11	0.07
J -G	0.11	179	C	0.00	0.11
G -U	0.23	172	C	0.00	0.23
U -F	0.30	637	C	0.00	0.30

-----Webs-----
P -N 0.06 220 C
N -B 0.13 723 T
N -C 0.20 508 C
C -I 0.25 556 C
I -Q 0.08 185 T
Q -L 0.19 313 C
L -D 0.06 394 T
D -H 0.01 125 T
H -E 0.06 386 T
H -S 0.10 541 T
J -S 0.30 769 C
J -T 0.18 986 T
T -U 0.44 1849 C

TL Defl -0.05" in U -F L/999
LL Defl -0.08" in A -N L/999
Hz Disp LL DL TL
Jt U 0.04" 0.03" 0.07"
Shear // Grain in D -E 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 0.5 0.4 0.71
P MT20 2.0x 4.0 Ctr Ctr 0.46
B MT20 5.0x 5.0 0.9-3.1 0.65
C MT20 5.0x 5.0 Ctr Ctr 0.91
Q MT20 3.0x 7.0 Ctr Ctr 0.51
D MT20 5.0x 7.0 1.6-3.4 0.71
E MT20 5.0x 5.0-0.9-3.1 0.65
S MT20 3.0x 7.0 Ctr Ctr 0.44
T MT20 5.0x 7.0 0.3 0.5 0.74
F MT20 4.0x 6.0-0.5 0.4 0.71
N MT20 4.0x 8.0 Ctr Ctr 0.55
I MT20 5.0x 7.0-1.5 3.0 0.75
L MT20 3.0x 7.0 Ctr Ctr 0.53
H MT20 5.0x 9.0 0.5-1.2 0.65
J MT20 3.0x 7.0 Ctr Ctr 0.43
G MT20 5.0x 5.0 Ctr 1.6 0.86
U MT20 2.0x 4.0 Ctr Ctr 0.46

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

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

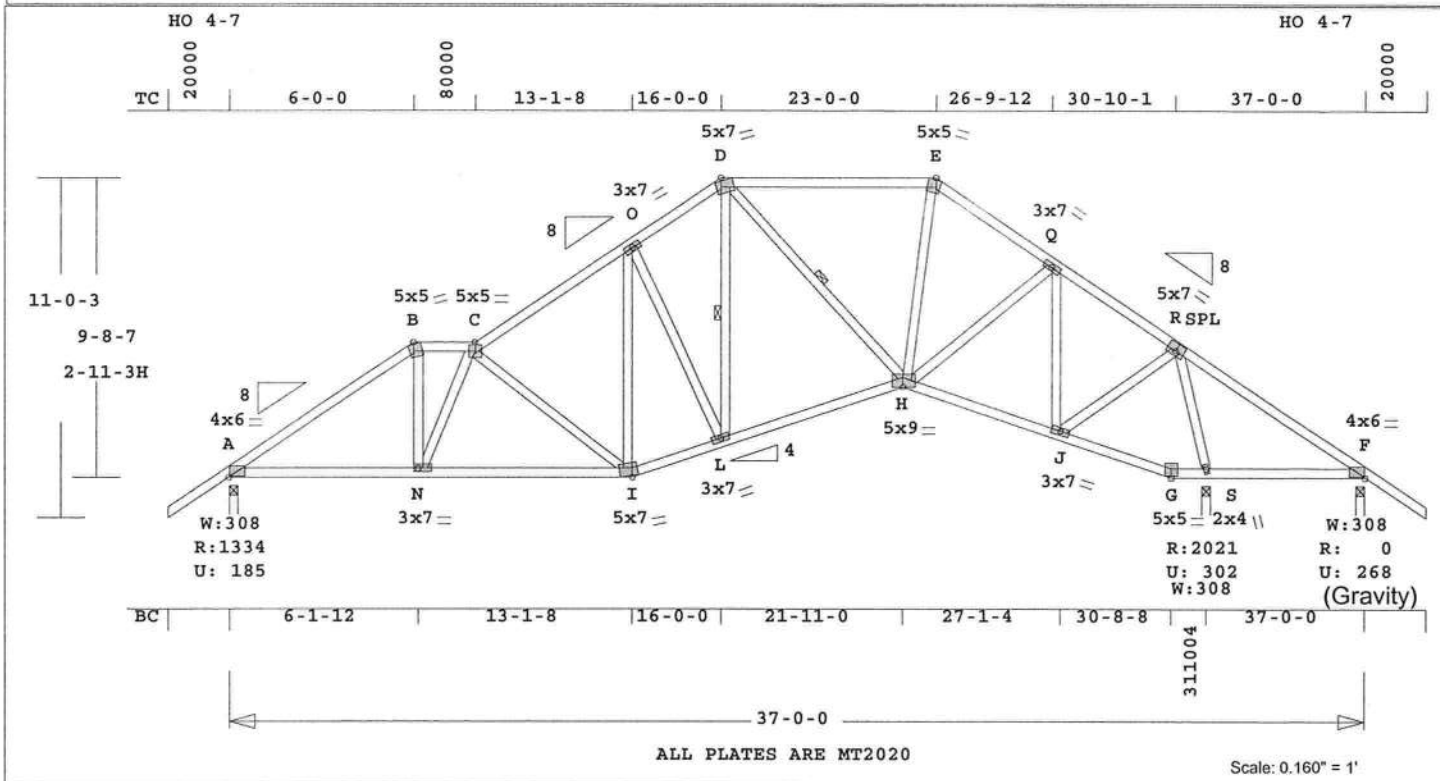
NOTES:

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
User-defined wind-exposed BC
regions --From-- --To--
31-10- 4 37- 0- 0
Max comp. force 1849 Lbs
Max tens. force 1474 Lbs
Quality Control Factor 1.25

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

Job ELIXSON-SPEC	Mark A2	Quan 1	Type SP	Span 370000	Pl-H1 8	Left OH 2- 0- 0	Right OH 2- 0- 0	Engineering T2870134
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 296.0 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.50 2x 4 SP-#2
BC 0.40 2x 4 SP-#2
WB 0.41 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	16- 0- 0
TC	24.0"	16- 0- 0
TC Cont.	23- 0- 0	37- 0- 0
BC Cont.	0- 0- 0	37- 0- 0

One Continuous Lateral Brace
L -D D -H
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 1335 186 U 216 R
S 2022 302 U
F 268 G 215 R
G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.6"
S	3.5"	2.2"
F	3.5"	1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd

-----Top Chords-----
A -B 0.28 1723 C 0.04 0.24
B -C 0.24 1428 C 0.01 0.23
C -O 0.31 1429 C 0.02 0.29
O -D 0.29 1280 C 0.01 0.28
D -E 0.50 1084 C 0.01 0.49
E -Q 0.24 1236 C 0.00 0.24
Q -R 0.33 753 C 0.00 0.33
R -F 0.47 784 T 0.14 0.33

-----Bottom Chords-----
A -N 0.38 1428 T 0.15 0.23
N -I 0.40 1726 T 0.17 0.23
I -L 0.28 1264 T 0.21 0.07

L	H	J	G	S	F
-H	0.28	1127	T	0.18	0.10
-J	0.18	641	T	0.11	0.07
-G	0.12	237	C	0.00	0.12
-S	0.25	228	C	0.00	0.25
-F	0.29	640	C	0.00	0.29

-----Webs-----
N -B 0.14 791 T
N -C 0.18 719 C
C -I 0.33 658 C
I -O 0.04 170 T
O -L 0.21 340 C
L -D 0.07 409 T
D -H 0.01 123 T
H -E 0.06 380 T
H -Q 0.10 543 T
J -Q 0.30 779 C
J -R 0.18 1025 T
R -S 0.41 1829 C

TL Defl -0.05" in S -F L/999
LL Defl -0.08" in N -I L/999
Hz Disp LL DL TL
Jt S 0.04" 0.04" 0.07"
Shear // Grain in D -E 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 0.5 0.4 0.71
B MT20 5.0x 5.0 0.9-3.1 0.65
C MT20 5.0x 5.0 Ctr Ctr 0.91
O MT20 3.0x 7.0 Ctr Ctr 0.51
D MT20 5.0x 7.0 1.6-3.4 0.71
E MT20 5.0x 5.0-0.9-3.1 0.65
Q MT20 3.0x 7.0 Ctr Ctr 0.44
R MT20 5.0x 7.0 0.3 0.5 0.74
F MT20 4.0x 6.0-0.5 0.4 0.71
N MT20 3.0x 7.0 Ctr Ctr 0.55
I MT20 5.0x 7.0-1.5 3.0 0.72
L MT20 3.0x 7.0 Ctr Ctr 0.53
H MT20 5.0x 9.0 0.5-1.2 0.65
J MT20 3.0x 7.0 Ctr Ctr 0.43
G MT20 5.0x 5.0 Ctr 1.6 0.86
S MT20 2.0x 4.0 Ctr Ctr 0.46

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

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

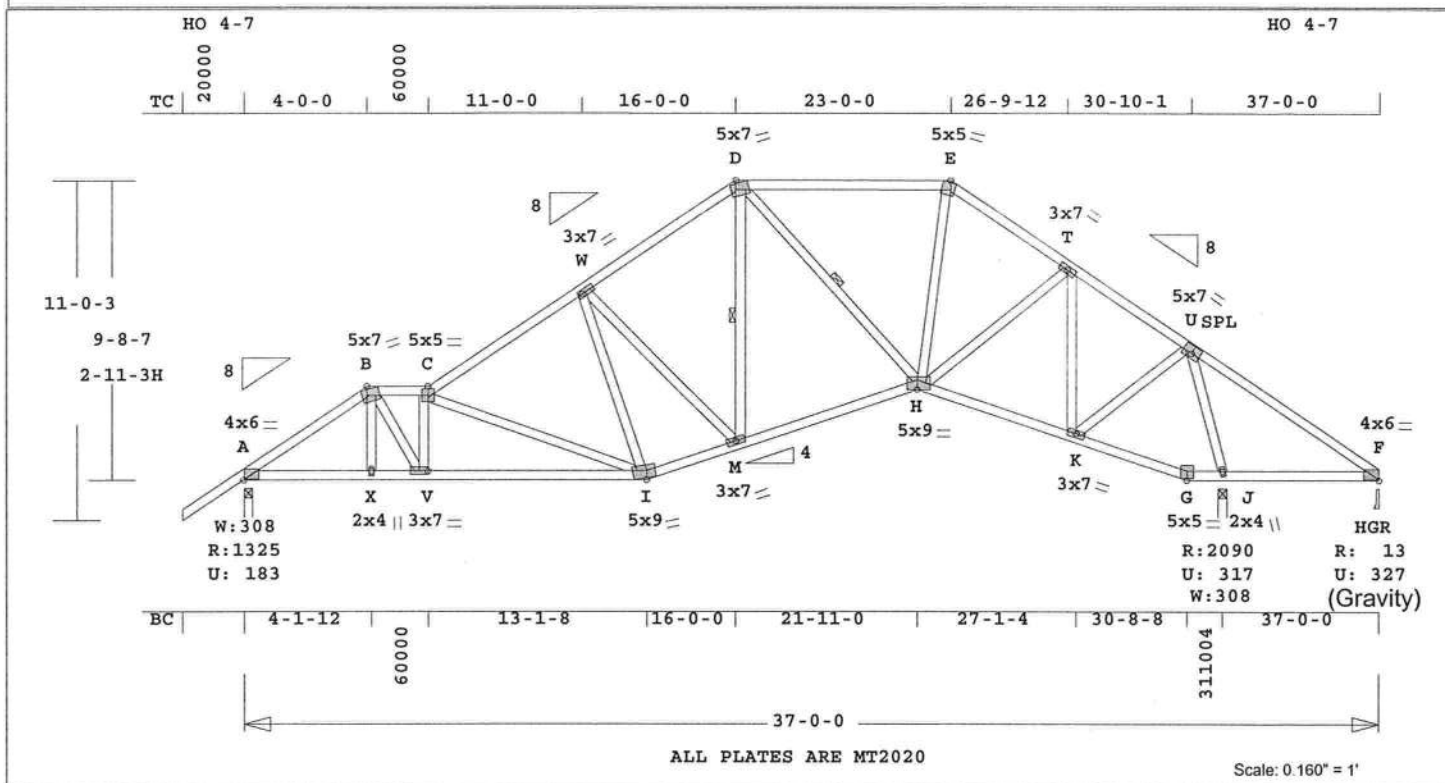
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

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
User-defined wind-exposed BC
regions --From-- --To--
31-10- 4 37- 0- 0
Max comp. force 1829 Lbs
Max tens. force 1726 Lbs
Quality Control Factor 1.25

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

Job ELIXSON-SPEC	Mark A3	Quan 1	Type SP	Span 370000	P1-H1 8	Left OH 2- 0- 0	Right OH 0	Engineering T2870135
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 291.7 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.50 2x 4 SP-#2
BC 0.48 2x 4 SP-#2
WB 0.62 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 16- 0- 0
TC 24.0" 16- 0- 0 23- 0- 0
TC Cont. 23- 0- 0 37- 0- 0
BC Cont. 0- 0- 0 37- 0- 0
One Continuous Lateral Brace
M -D D -H
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 1325 184 U 216 R
J 2091 317 U
F 14 328 G 215 R
G = Gravity Uplift

Jt Brg Size Required
A 3.5" 1.6"
J 3.5" 2.2"
F 3.5" 1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -B 0.15 1779 C 0.02 0.13
B -C 0.31 2063 C 0.02 0.29
C -W 0.33 1487 C 0.02 0.31
W -D 0.28 1272 C 0.01 0.27
D -E 0.49 1053 C 0.01 0.48
E -T 0.24 1201 C 0.00 0.24
T -U 0.34 701 C 0.00 0.34
U -F 0.50 891 T 0.16 0.34
-----Bottom Chords-----
A -X 0.36 1473 T 0.24 0.12
X -V 0.35 1474 T 0.15 0.20
V -I 0.48 2092 T 0.35 0.13

I -M	0.29	1320	T	0.22	0.07
M -H	0.28	1110	T	0.18	0.10
H -K	0.17	593	T	0.05	0.12
K -G	0.12	252	C	0.00	0.12
G -J	0.26	241	C	0.00	0.26
J -F	0.32	730	C	0.00	0.32

-----Webs-----
X -B 0.00 14 T
B -V 0.20 1097 T
V -C 0.10 810 C
C -I 0.62 884 C
W -I 0.01 120 T
W -M 0.21 331 C
M -D 0.06 400 T
D -H 0.01 123 T
H -E 0.05 366 T
H -T 0.10 564 T
K -T 0.31 793 C
K -U 0.18 1015 T
U -J 0.48 1905 C

TL Defl -0.05" in J -F L/999
LL Defl -0.10" in V -I L/999
Hz Disp LL DL TL
Jt J 0.04" 0.04" 0.08"
Shear // Grain in D -E 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 0.5 0.4 0.71
B MT20 5.0x 7.0 1.6-3.4 0.71
C MT20 5.0x 5.0 Ctr Ctr 0.91
W MT20 3.0x 7.0 Ctr Ctr 0.53
D MT20 5.0x 7.0 1.6-3.4 0.71
E MT20 5.0x 5.0-0.9-3.1 0.65
T MT20 3.0x 7.0 Ctr Ctr 0.44
U MT20 5.0x 7.0 0.3 0.5 0.74
F MT20 4.0x 6.0-0.5 0.4 0.71
X MT20 2.0x 4.0 Ctr Ctr 0.46
V MT20 3.0x 7.0 Ctr Ctr 0.57
I MT20 5.0x 9.0-1.0 3.2 0.84
M MT20 3.0x 7.0 Ctr Ctr 0.45
H MT20 5.0x 9.0 0.5-1.2 0.65
K MT20 3.0x 7.0 Ctr Ctr 0.45
G MT20 5.0x 5.0 Ctr 1.6 0.86
J MT20 2.0x 4.0 Ctr Ctr 0.46

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

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

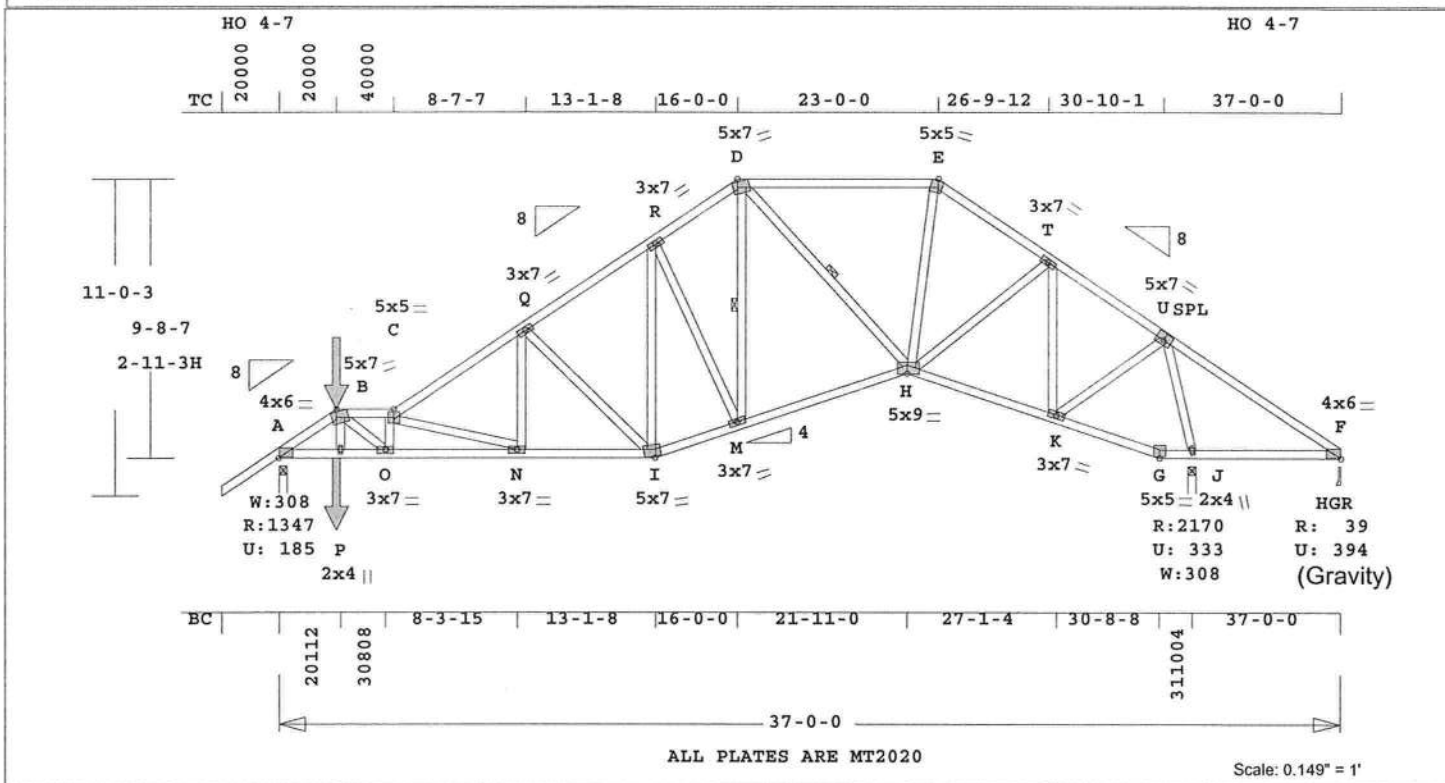
NOTES:

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
User-defined wind-exposed BC
regions --From-- --To--
31-10- 4 37- 0- 0
Max comp. force 2063 Lbs
Max tens. force 2092 Lbs
Quality Control Factor 1.25

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

Job ELIXSON-SPEC	Mark A4	Quan 1	Type SP	Span 370000	Pl-H1 8	Left OH 2- 0- 0	Right OH 0	Engineering T2870136
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 300.0 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.59 2x 4 SP-#2
BC 0.55 2x 4 SP-#1
-- 0.34 2x 4 SP-#2
I -H H -G G -F
WB 0.43 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0-0-0 16-0-0
TC 24.0" 16-0-0 23-0-0
TC Cont. 23-0-0 37-0-0
BC Cont. 0-0-0 37-0-0
One Continuous Lateral Brace
M -D D -H
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1348 186 U 215 R
J 2170 334 U
F 40 395 G 215 R
G = Gravity Uplift

Jt Brg Size Required
A 3.5" 1.6"
J 3.5" 2.3"
F 3.5" 1.5"

LC# 1 Standard Loading
Dur Pctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 20 40 0.0' 37.0'
BC V 20 0 0.0' 37.0'
TC V 11 11 2.0' CL-LB
BC V 7 7 2.0' CL-LB

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -B 0.13 1840 C 0.02 0.11
B -C 0.40 2804 C 0.06 0.34
C -Q 0.43 1966 C 0.04 0.39
Q -R 0.37 1412 C 0.01 0.36
R -D 0.33 1227 C 0.01 0.32
D -E 0.56 1019 C 0.01 0.55
E -T 0.28 1165 C 0.01 0.27
T -U 0.39 642 C 0.00 0.39
U -F 0.59 991 T 0.20 0.39

-----Bottom Chords-----
A -P 0.36 1516 T 0.22 0.14
P -O 0.34 1517 T 0.22 0.12
O -N 0.55 2879 T 0.41 0.14
N -I 0.32 1668 T 0.24 0.08
I -M 0.31 1221 T 0.22 0.09
M -H 0.30 1093 T 0.20 0.10
H -K 0.20 541 T 0.05 0.15
K -G 0.15 393 C 0.00 0.15
G -J 0.34 378 C 0.00 0.34
J -F 0.34 813 C 0.00 0.34
-----Webs-----
P -B 0.00 14 C
B -O 0.30 1626 T
O -C 0.09 983 C
C -N 0.35 1254 C
N -Q 0.08 469 T
Q -I 0.33 703 C
I -R 0.08 207 T
R -M 0.20 331 C
M -D 0.06 402 T 1 Br
D -H 0.02 118 T 1 Br
H -E 0.05 354 T
E -T 0.10 584 T
T -K 0.32 827 C
K -U 0.20 1095 T
U -J 0.43 1927 C

TL Defl -0.04" in J -F L/999
LL Defl -0.02" in J -F L/999
Hz Disp LL DL TL
Jt J 0.04" 0.03" 0.07"
Shear // Grain in D -E 0.25

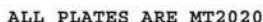
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.5 0.4 0.71
B MT20 5.0x 7.0 1.6-3.4 0.97
C MT20 5.0x 5.0 Ctr Ctr 0.91
Q MT20 3.0x 7.0 Ctr Ctr 0.44
R MT20 3.0x 7.0 Ctr Ctr 0.51
D MT20 5.0x 7.0 1.6-3.4 0.71
E MT20 5.0x 5.0-0.9-3.1 0.65
T MT20 3.0x 7.0 Ctr Ctr 0.44
U MT20 5.0x 7.0 0.3 0.5 0.75
F MT20 4.0x 6.0-0.5 0.4 0.71
P MT20 2.0x 4.0 Ctr Ctr 0.46
O MT20 3.0x 7.0 Ctr Ctr 0.58
N MT20 3.0x 7.0 Ctr Ctr 0.88
I MT20 5.0x 7.0-1.5 3.0 0.72
M MT20 3.0x 7.0 Ctr Ctr 0.53
H MT20 5.0x 9.0 0.5-1.2 0.65
K MT20 3.0x 7.0 Ctr Ctr 0.46
G MT20 5.0x 5.0 Ctr 1.6 0.86
J MT20 2.0x 4.0 Ctr Ctr 0.46

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
User-defined wind-exposed BC
regions --From-- --To--
31-10- 4 37- 0- 0
Max comp. force 2804 Lbs
Max tens. force 2879 Lbs
Quality Control Factor 1.25

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

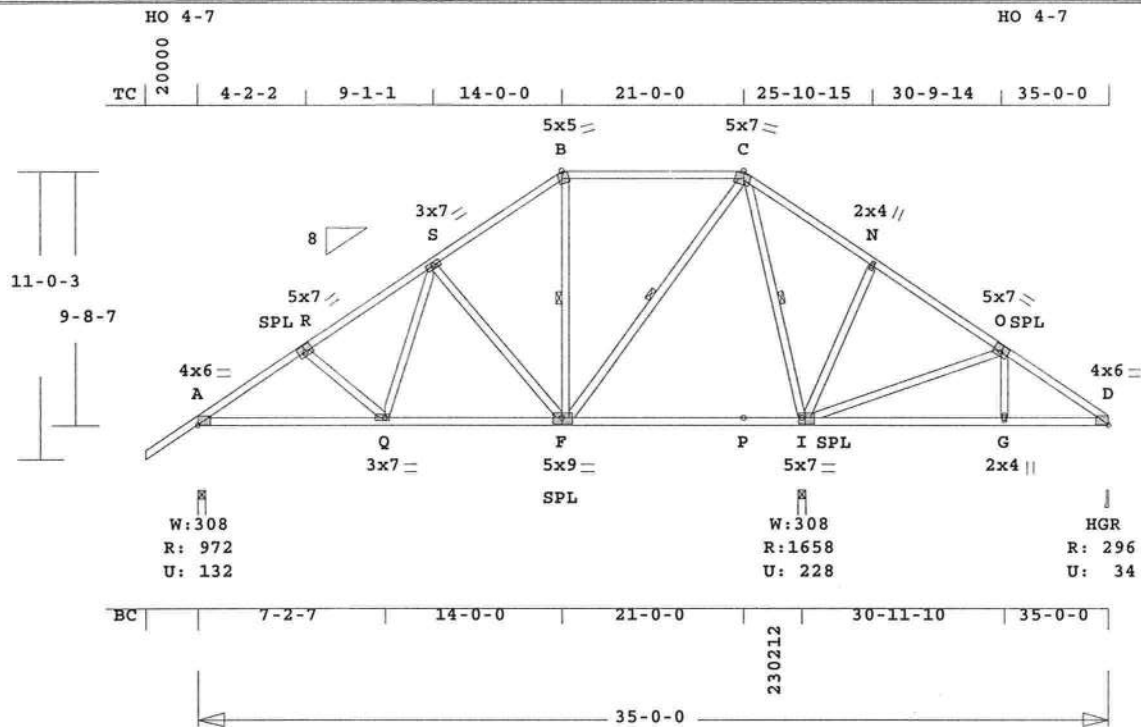
ELIXSON-SPEC

Scale: 0.187" = 1'

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

Job ELIXSON-SPEC	Mark A6	Quan 1	Type HIPP	Span 350000	Pl-Hl 8	Left OH 2- 0- 0	Right OH 0	Engineering T2870138
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ELIXSON-SPEC



ALL PLATES ARE MT2020

Scale: 0.135" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 269.1 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.38 2x 4 SP-#2
BC 0.45 2x 4 SP-#2
WB 0.34 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 14- 0- 0
TC 24.0" 14- 0- 0 21- 0- 0
TC Cont. 21- 0- 0 35- 0- 0
BC Cont. 0- 0- 0 35- 0- 0
One Continuous Lateral Brace
F -B F -C C -I
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 973 132 U 215 R
I 1659 229 U
D 297 34 U 215 R

Jt Brg Size Required
A 3.5" 1.5"
I 3.5" 1.8"
D 3.5" 1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -R 0.17 1165 C 0.00 0.17
R -S 0.22 957 C 0.00 0.22
S -B 0.22 519 C 0.00 0.22
B -C 0.38 429 C 0.00 0.38
C -N 0.30 295 T 0.03 0.27

N -O 0.31 178 T 0.04 0.27
O -D 0.17 280 C 0.00 0.17
-----Bottom Chords-----
A -Q 0.32 976 T 0.09 0.23
Q -F 0.42 714 T 0.07 0.35
F -I 0.43 199 C 0.00 0.43
I -G 0.45 251 T 0.02 0.43
G -D 0.22 251 T 0.02 0.20
-----Webs-----
R -Q 0.05 241 C
Q -S 0.05 347 T
S -F 0.34 446 C
F -B 0.01 101 T 1 Br
F -C 0.13 712 T 1 Br
C -I 0.34 1116 C 1 Br
I -N 0.16 295 C
I -O 0.32 408 C
G -O 0.03 244 T

TL Defl -0.21" in F -I L/999
LL Defl -0.10" in F -I L/999
Shear // Grain in B -C 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 0.5 0.4 0.69
R MT20 5.0x 7.0-0.3 0.5 0.72
S MT20 3.0x 7.0 Ctr Ctr 0.55
B MT20 5.0x 5.0 0.9-3.1 0.63
C MT20 5.0x 7.0-0.6-3.7 0.83
N MT20 2.0x 4.0 Ctr Ctr 0.44
O MT20 5.0x 7.0 0.3 0.5 0.72
D MT20 4.0x 6.0-0.5 0.4 0.69
Q MT20 3.0x 7.0-1.2 Ctr 0.57
F MT20 5.0x 9.0 0.5-0.5 0.74
I MT20 5.0x 7.0 0.5-0.5 0.74
G MT20 2.0x 4.0 Ctr Ctr 0.44

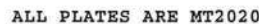
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:

Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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 1165 Lbs
Max tens. force 976 Lbs
Quality Control Factor 1.25

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

ELIXSON-SPEC

Scale: 0.135" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 333.5 LBS

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 1516 Lbs

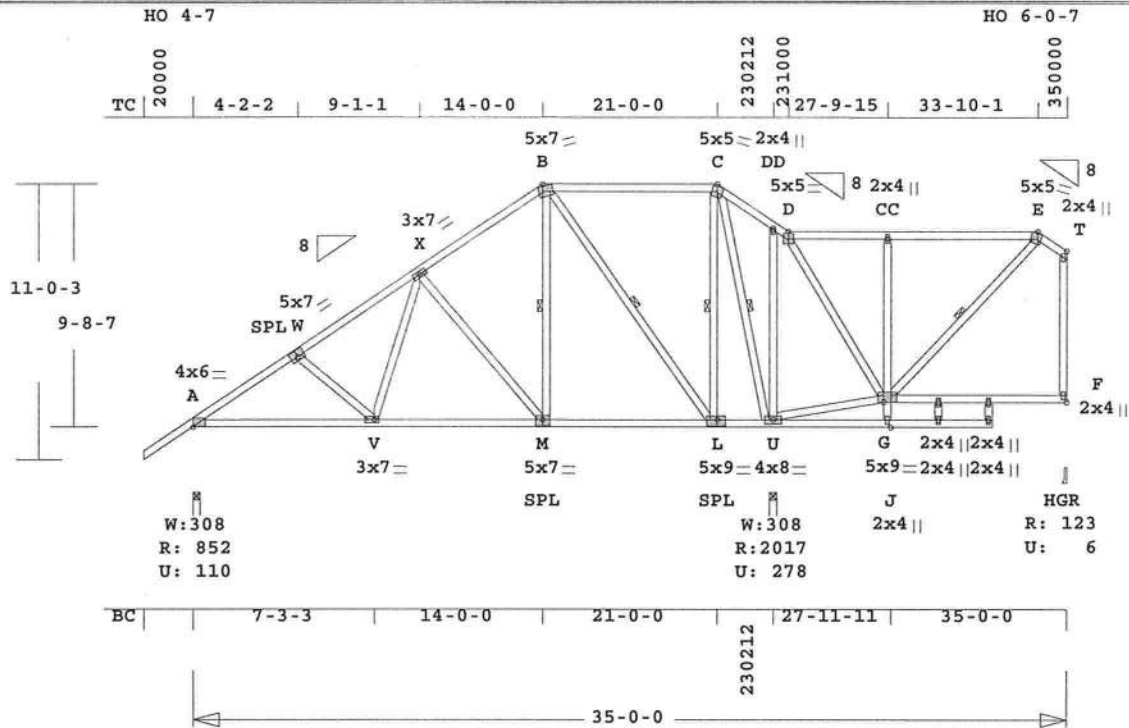
Max tens. force 980 Lbs

Quality Control Factor 1.25

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

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	A8	1	SP	350000	8	2- 0- 0	0	T2870140

ELIXSON-SPEC



ALL PLATES ARE MT2020

Scale: 0.129" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 338.5 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.47 2x 4 SP-#2
BC 0.34 2x 4 SP-#2
CW 0.28 2x 4 SP-#2
WB 0.44 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 14- 0- 0
TC 24.0" 14- 0- 0 21- 0- 0
TC Cont. 21- 0- 0 35- 0- 0
BC Cont. 0- 0- 0 35- 0- 0

One Continuous Lateral Brace
M -B B -L L -C C -U
G -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 852 110 U 178 R
U 2017 279 U
F 123 6 U 273 R

Jt Brg Size Required
A 3.5" 1.5"
U 3.5" 2.1"
F 3.5" 1.5"

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

Membr CSI P Lbs Axl-CSt-Bnd
-----Top Chords-----
A -W 0.19 960 C 0.00 0.19
W -X 0.20 747 C 0.00 0.20
X -B 0.23 411 C 0.00 0.23
B -C 0.47 238 T 0.04 0.43
C -DD 0.34 695 T 0.11 0.23
DD-D 0.37 875 T 0.14 0.23
D -CC 0.40 210 T 0.03 0.37
CC-E 0.40 207 T 0.03 0.37
E -T 0.07 118 T 0.01 0.06

-----Bottom Chords-----
A -V 0.34 809 T 0.08 0.26
V -M 0.32 537 T 0.06 0.26
M -L 0.28 248 T 0.03 0.25
L -U 0.15 258 T 0.00 0.15
U -J 0.14 156 C 0.00 0.14
G -F 0.31 208 T 0.00 0.31
-----Chord-Webs-----
J -G 0.28 72 T 0.01 0.27
G -CC 0.10 385 C 0.04 0.06
-----Webs-----
W -V 0.05 245 C
V -X 0.05 364 T
X -M 0.34 445 C
M -B 0.08 515 T 1 Br
B -L 0.36 834 C 1 Br
L -C 0.13 750 T 1 Br
C -U 0.44 1442 C 1 Br
U -DD 0.32 403 C
U -G 0.15 533 C
D -G 0.15 715 T
G -E 0.08 302 C 1 Br
F -T 0.14 64 C WindLd

TL Defl -0.14" in G -F L/957
LL Defl -0.07" in G -F L/999
Shear // Grain in DD-D 0.34

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.5 0.4 0.69
W MT20 5.0x 7.0-0.3 0.5 0.72
X MT20 3.0x 7.0 Ctr Ctr 0.55
B MT20 5.0x 7.0 1.6-3.4 0.69
C MT20 5.0x 5.0-0.1-3.7 1.00
DD MT20 2.0x 4.0 Ctr Ctr 0.44
D MT20 5.0x 5.0 Ctr Ctr 0.89
CC MT20 2.0x 4.0 Ctr Ctr 0.29
E MT20 5.0x 5.0-0.9-3.1 0.63
T MT20 2.0x 4.0 Ctr Ctr 0.49
V MT20 3.0x 7.0-1.2 Ctr 0.58
M MT20 5.0x 7.0 Ctr-0.5 0.74
L MT20 5.0x 9.0-0.5-0.5 0.74
U MT20 4.0x 8.0 Ctr Ctr 0.64
J MT20 2.0x 4.0 Ctr Ctr 0.58
G MT20 5.0x 9.0 Ctr 0.8 0.63
F MT20 2.0x 4.0 Ctr Ctr 0.49

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

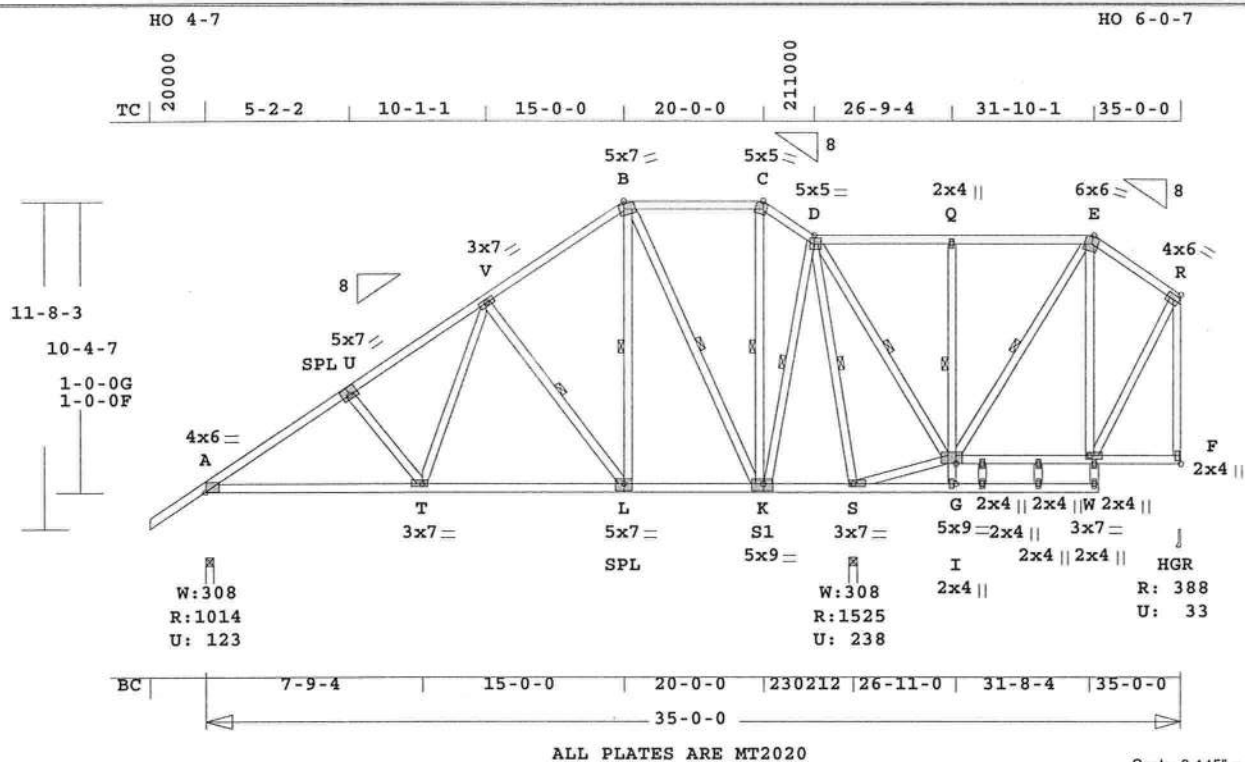
ADDITIONAL SPECIFICATIONS.

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 1442 Lbs
Max tens. force 875 Lbs
Quality Control Factor 1.25

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

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	A9	1	SP	350000	8	2- 0- 0	0	T2870141

ELIXSON-SPEC



Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---

TC	0.27	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
CW	0.07	2x 4	SP-#2
WB	0.38	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	35- 0- 0
BC Cont.	0- 0- 0	35- 0- 0

One Continuous Lateral Brace

V -L	L -B	B -S1	S1 -C
S1 -D	D -S	D -G	G -E
I -Q			

Attach CLB with (2)-10d nails at each web.

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	1014	123 U	193 R
S	1526	239 U	
F	388	34 U	289 R

Jt	Brg Size	Required
A	3.5"	1.5"
S	3.5"	1.6"
F	3.5"	1.5"

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

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -U	0.22	1187 C	0.00 0.22
U -V	0.22	1004 C	0.00 0.22
V -B	0.22	514 C	0.00 0.22
B -C	0.22	235 T	0.00 0.22
C -D	0.08	255 C	0.00 0.08
D -Q	0.27	162 T	0.00 0.27
Q -E	0.27	161 T	0.00 0.27
E -R	0.08	159 T	0.00 0.08
-----Bottom Chords-----			
A -T	0.42	994 T	0.10 0.32
T -L	0.39	714 T	0.07 0.32
L -S1	0.25	419 T	0.04 0.21

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 378.3 LBS

S1-S	0.11	152 T	0.00 0.11
S -I	0.11	45 C	0.00 0.11
G -W	0.12	209 T	0.01 0.11
W -F	0.11	216 T	0.00 0.11
-----Chord-Webs-----			
I -G	0.07	52 T	0.00 0.07
G -Q	0.03	335 C	0.03 0.00
-----Webs-----			
U -T	0.06	266 C	
T -V	0.07	421 T	
V -L	0.11	483 C	1 Br
L -B	0.09	518 T	1 Br
B -S1	0.23	581 C	1 Br
S1 -C	0.02	85 C	1 Br
S1 -D	0.12	682 T	1 Br
D -S	0.38	1392 C	1 Br
D -G	0.09	487 T	1 Br
S -G	0.04	268 C	
G -E	0.02	104 C	1 Br
W -E	0.08	110 C	
W -R	0.04	232 T	
F -R	0.15	364 C	WindLd

TL Defl -0.13" in A -T L/999
LL Defl -0.06" in A -T L/999
Shear // Grain in D -Q 0.22

Plates for each ply each face.

Plate - MT20	20 Ga,	Gross Area
Plate - MT2H	20 Ga,	Gross Area
Jt Type	Plt Size	X Y JSI
A	MT20	4.0x 6.0 0.5 0.4 0.69
U	MT20	5.0x 7.0-0.3 0.5 0.72
V	MT20	3.0x 7.0 Ctr Ctr 0.54
B	MT20	5.0x 7.0 1.6-3.4 0.70
C	MT20	5.0x 5.0-0.9-3.1 0.63
D	MT20	5.0x 5.0 0.5 Ctr 0.89
Q	MT20	2.0x 4.0 Ctr Ctr 0.29
E	MT20	6.0x 6.0-1.1-3.7 0.85
R	MT20	4.0x 6.0-0.1 0.1 0.73
T	MT20	3.0x 7.0-1.1 Ctr 0.56
L	MT20	5.0x 7.0 Ctr-0.5 0.74
S1	MT20	5.0x 9.0-0.5-0.5 0.74
S	MT20	3.0x 7.0 Ctr Ctr 0.53
I	MT20	2.0x 4.0 Ctr Ctr 0.58
G	MT20	5.0x 9.0 Ctr 0.7 0.66
W	MT20	3.0x 7.0 Ctr Ctr 0.52
F	MT20	2.0x 4.0 Ctr Ctr 0.49

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

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

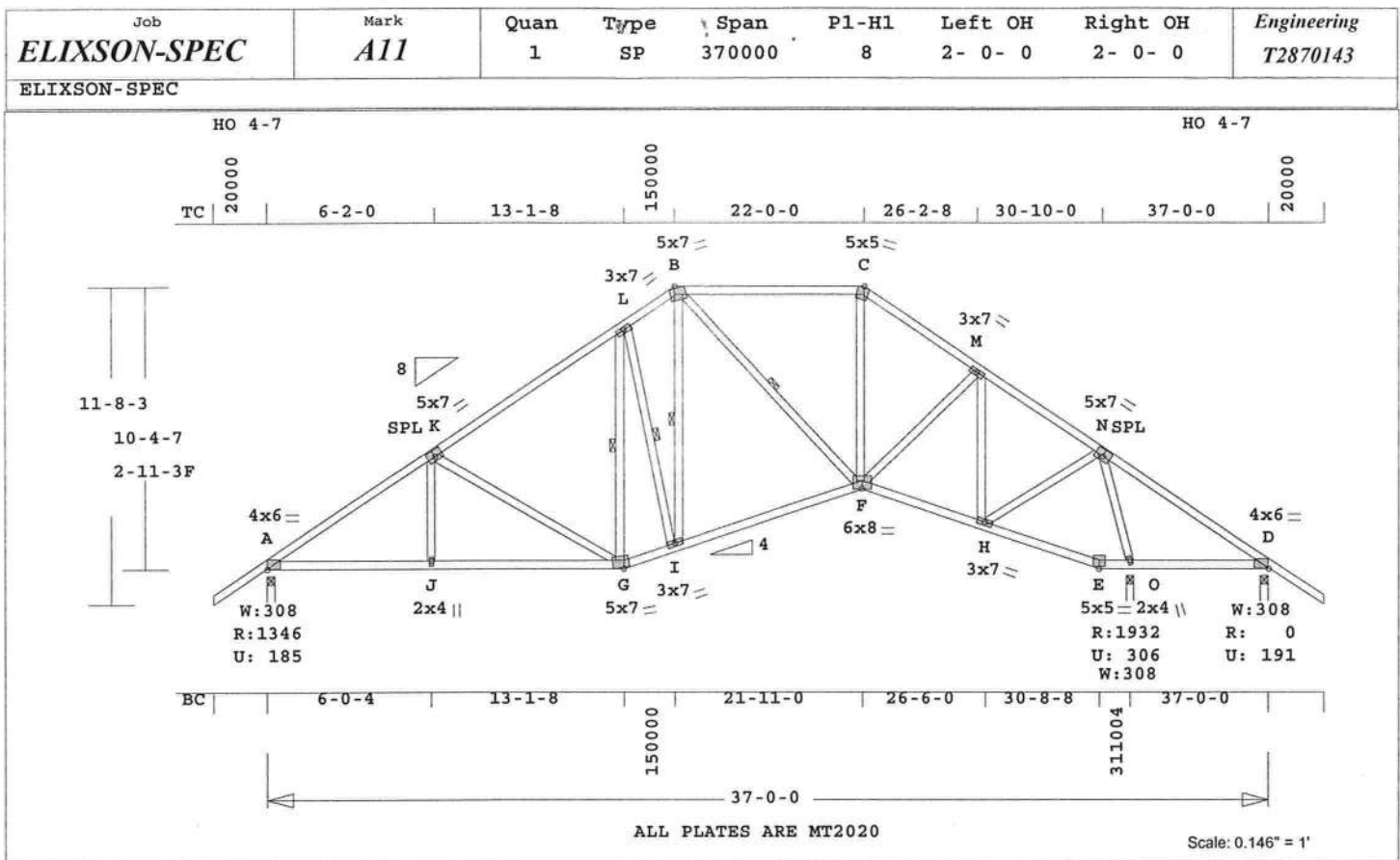
NOTES:

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 1392 Lbs
Max tens. force 994 Lbs
Quality Control Factor 1.25

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

ELIXSON-SPEC

Robbins Engineering, Inc./Online Plus™ © 1996-2008 Version 21.5.049 Engineering - Portrait 1/25/2008 4:15:53 PM Page 1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 303.0 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ----Lumber----
TC 0.48 2x 4 SP-#2
BC 0.38 2x 4 SP-#2
WB 0.45 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 37- 0- 0
BC Cont. 0- 0- 0 37- 0- 0
One Continuous Lateral Brace
G -L L -I I -B B -F
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 1347 185 U 232 R
O 1933 306 U
D 192 G 232 R
G = Gravity Uplift

Jt Brg Size Required
A 3.5" 1.6"
O 3.5" 2.1"
D 3.5" 1.5"

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

Membr CSI P Lbs Axl-CSt-Bnd
-----Top Chords-----
A -K 0.41 1763 C 0.01 0.40
K -L 0.41 1257 C 0.01 0.40
L -B 0.29 1184 C 0.01 0.28
B -C 0.48 1054 C 0.01 0.47
C -M 0.25 1254 C 0.00 0.25
M -N 0.35 915 C 0.00 0.35
N -D 0.47 666 T 0.12 0.35
-----Bottom Chords-----
A -J 0.38 1475 T 0.15 0.23
J -G 0.38 1475 T 0.15 0.23
G -I 0.29 1098 T 0.11 0.18

I -F	0.28	1035	T	0.10	0.18
F -H	0.19	783	T	0.07	0.12
H -E	0.12	100	T	0.00	0.12
E -O	0.22	95	T	0.00	0.22
O -D	0.29	543	C	0.00	0.29
-----Webs-----					
J -K	0.04	274	T		
K -G	0.39	499	C		
G -L	0.01	94	T	1 Br	
L -I	0.08	350	C	1 Br	
I -B	0.06	425	T	1 Br	
B -F	0.02	159	T	1 Br	
F -C	0.06	396	T		
F -M	0.07	414	T		
H -M	0.28	687	C		
H -N	0.17	974	T		
N -O	0.45	1797	C		

TL Defl -0.05" in O -D L/999
LL Defl -0.08" in J -G L/999
Hz Disp LL DL TL
Jt O 0.04" 0.03" 0.07"
Shear // Grain in B -C 0.25

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.5 0.4 0.71
K MT20 5.0x 7.0 0.3 0.5 0.74
L MT20 3.0x 7.0 Ctr Ctr 0.44
B MT20 5.0x 7.0 1.6-3.4 0.71
C MT20 5.0x 5.0 0.9-3.1 0.65
M MT20 3.0x 7.0 Ctr Ctr 0.44
N MT20 5.0x 7.0 0.3 0.5 0.74
D MT20 4.0x 6.0 0.5 0.4 0.71
J MT20 2.0x 4.0 Ctr Ctr 0.46
G MT20 5.0x 7.0 1.5 3.0 0.74
I MT20 3.0x 7.0 Ctr Ctr 0.39
F MT20 6.0x 8.0 Ctr 0.7 0.65
H MT20 3.0x 7.0 Ctr Ctr 0.41
E MT20 5.0x 5.0 Ctr 1.6 0.86
O MT20 2.0x 4.0 Ctr Ctr 0.46

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

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

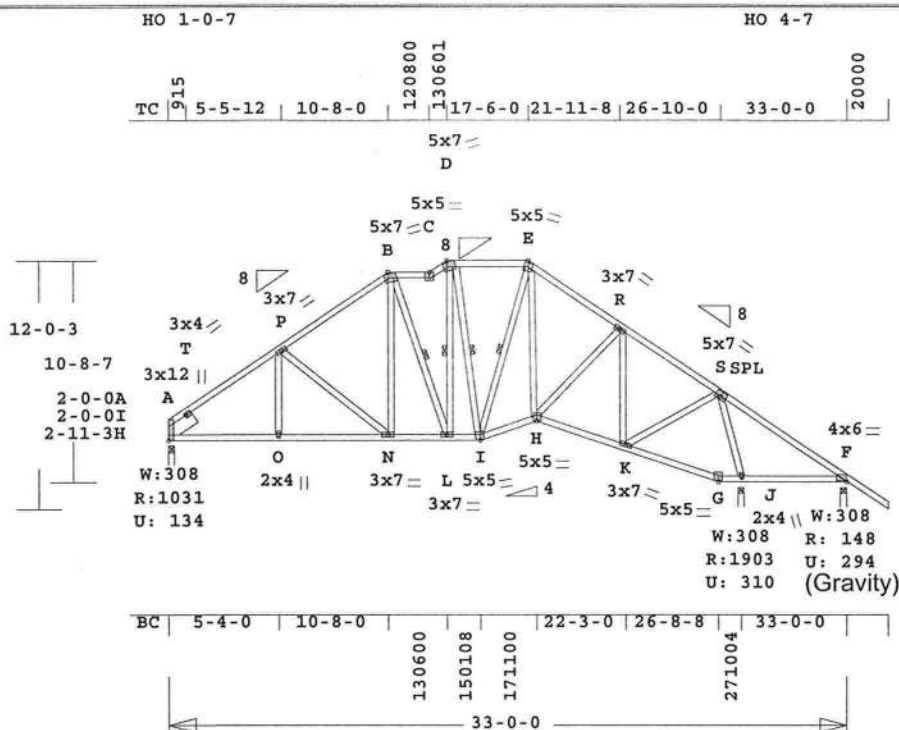
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

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
User-defined wind-exposed BC
regions --From-- --To--
31-10- 4 37- 0- 0
Max comp. force 1797 Lbs
Max tens. force 1475 Lbs
Quality Control Factor 1.25

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

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	A12	1	SP	330000	8	0	2- 0- 0	T2870144

ELIXSON-SPEC



ALL PLATES ARE MT2020

Scale: 0.107" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 296.6 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

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

TC	0.56	2x 4	SP-#2
BC	0.72	2x 4	SP-#2
WB	0.43	2x 4	SP-#2
SL	0.04	2x 8	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	13- 6- 1
TC	24.0"	13- 6- 1 17- 6- 0
TC Cont.	17- 6- 0	33- 0- 0
BC Cont.	0- 0- 0	33- 0- 0

One Continuous Lateral Brace
B -L L -D D -I I -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	1031	135	200
J	1904	310	U
F	149	295	G

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
J	3.5"	2.0"
F	3.5"	1.5"

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

Membr CSI P Lbs Axl-CSS-Bnd

-----Top Chords-----				
A -T	0.55	664	C	0.00 0.55
T -P	0.56	1212	C	0.01 0.55
P -B	0.25	986	C	0.01 0.24
B -C	0.36	783	C	0.00 0.36
C -D	0.26	701	C	0.00 0.26
D -E	0.20	751	C	0.00 0.20
E -R	0.17	932	C	0.00 0.17
R -S	0.34	687	C	0.00 0.34
S -F	0.49	831	T	0.15 0.34
-----Bottom Chords-----				
A -O	0.72	979	T	0.16 0.56
O -N	0.31	979	T	0.16 0.15
N -L	0.25	826	T	0.13 0.12

L -I	0.17	781	T	0.13 0.04
I -H	0.18	797	T	0.13 0.05
H -K	0.21	588	T	0.05 0.16
K -G	0.16	255	C	0.00 0.16
G -J	0.28	245	C	0.00 0.28
J -F	0.31	681	C	0.00 0.31

-----Webs-----

O -P	0.02	142	T	
P -N	0.14	246	C	
N -B	0.05	302	T	
B -L	0.03	130	C	1 Br
L -D	0.02	121	T	1 Br
D -I	0.04	187	C	1 Br
I -E	0.02	116	C	1 Br
E -H	0.05	316	T	
H -R	0.05	288	T	
K -R	0.26	611	C	
K -S	0.17	929	T	
S -J	0.43	1703	C	

-----Sliders-----

A -T	0.04	799	C	
------	------	-----	---	--

TL Defl	-0.05"	in J -F	L/999
LL Defl	-0.02"	in J -F	L/999
Hx Disp	LL	DL	TL
Jt J	0.03"	0.02"	0.05"
Shear // Grain	in C -D	0.48	

Plates for each ply each face.

Plate	MT20	20 Ga	Gross Area
Plate	MT2H	20 Ga <td>Gross Area</td>	Gross Area
Jt Type	Plt Size	X	Y JSI
A	MT20	3.0x12.0	1.5 0.4 0.67
T	MT20	3.0x 4.0	0.7-0.4 0.99
P	MT20	3.0x 7.0	Ctr Ctr 0.43
B	MT20	5.0x 7.0	1.6-3.4 0.73
C	MT20	5.0x 5.0	Ctr-0.8 0.62
D	MT20	5.0x 7.0	1.6-3.4 0.82
E	MT20	5.0x 5.0	0.1-3.7 0.83
R	MT20	3.0x 7.0	Ctr Ctr 0.43
S	MT20	5.0x 7.0	0.3 0.5 0.70
F	MT20	4.0x 6.0	0.5 0.4 0.67
O	MT20	2.0x 4.0	Ctr Ctr 0.43
N	MT20	3.0x 7.0	Ctr Ctr 0.43
L	MT20	3.0x 7.0	Ctr Ctr 0.56
I	MT20	5.0x 5.0	0.5 2.9 0.77
H	MT20	5.0x 5.0	Ctr-1.2 0.64
K	MT20	3.0x 7.0	Ctr Ctr 0.40
G	MT20	5.0x 5.0	Ctr 1.6 0.81
J	MT20	2.0x 4.0	Ctr Ctr 0.43

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

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

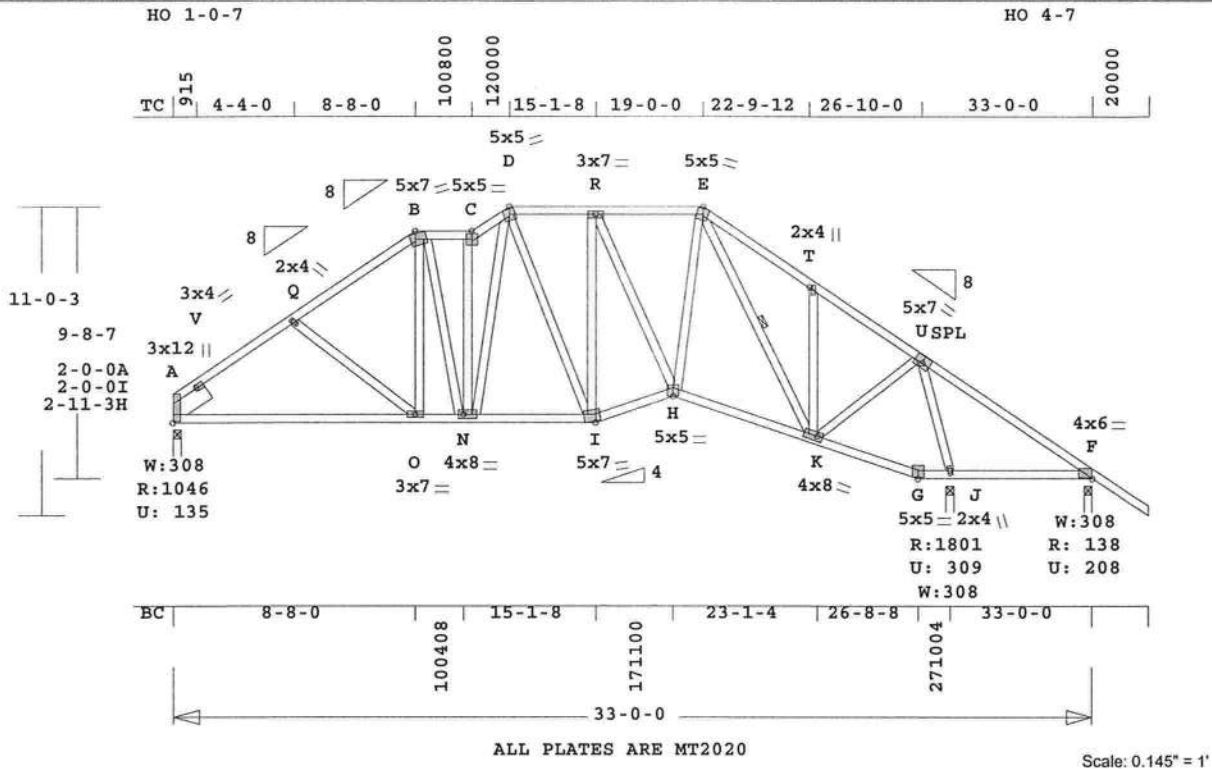
NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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--
27-10- 4 33- 0- 0
Max comp. force 1703 Lbs
Max tens. force 979 Lbs
Quality Control Factor 1.25

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

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	A13	1	SP	330000	8	0	2- 0- 0	T2870145

ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 301.5 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.61 2x 4 SP-#2
BC 0.67 2x 4 SP-#2
WB 0.42 2x 4 SP-#2
SL 0.04 2x 8 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 12- 0- 0
TC 24.0" 12- 0- 0 19- 0- 0
TC Cont. 19- 0- 0 33- 0- 0
BC Cont. 0- 0- 0 33- 0- 0

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

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1047 135 U 177 R
J 1801 310 U
F 139 208 G 184 R
G = Gravity Uplift

Jt Brg Size Required
A 3.5" 1.5"
J 3.5" 1.9"
F 3.5" 1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -V 0.60 628 C 0.00 0.60
V -Q 0.61 1250 C 0.01 0.60
Q -B 0.25 1097 C 0.01 0.24
B -C 0.08 996 C 0.05 0.03
C -D 0.13 1151 C 0.00 0.13
D -R 0.10 890 C 0.00 0.10
R -E 0.15 888 C 0.00 0.15
E -T 0.14 645 C 0.00 0.14
T -U 0.32 652 C 0.00 0.32
U -F 0.45 695 T 0.13 0.32
-----Bottom Chords-----
A -O 0.67 988 T 0.16 0.51
O -N 0.33 925 T 0.10 0.23

N -I 0.22 902 T 0.15 0.07
I -H 0.23 935 T 0.15 0.08
H -K 0.21 828 T 0.08 0.13
K -G 0.13 149 C 0.00 0.13
G -J 0.21 144 C 0.00 0.21
J -F 0.30 569 C 0.00 0.30

-----Webs-----
Q -O 0.06 161 C
O -B 0.03 239 T
B -N 0.06 299 T
N -C 0.36 692 C
C -D 0.14 481 T
D -I 0.05 70 C
I -R 0.12 178 C
R -H 0.02 110 T
H -E 0.11 631 T
E -K 0.15 573 C
K -T 0.08 223 C
T -U 0.15 851 T
U -J 0.42 1647 C
-----Sliders-----
A -V 0.04 873 C

TL Defl -0.05" in J -F L/999
LL Defl -0.08" in A -O L/999
Hz Disp LL DL TL
Jt J 0.03" 0.03" 0.06"
Shear // Grain in V -V 0.47

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x12.0 1.5 0.4 0.67
V MT20 3.0x 4.0-0.7-0.4 0.99
Q MT20 2.0x 4.0 Ctr Ctr 0.43
B MT20 5.0x 7.0 1.6-3.4 0.88
C MT20 5.0x 5.0 Ctr Ctr 0.86
D MT20 5.0x 5.0 0.1-3.7 0.93
R MT20 3.0x 7.0 Ctr Ctr 0.53
E MT20 5.0x 5.0-0.5-3.4 0.90
T MT20 2.0x 4.0 Ctr Ctr 0.43
U MT20 5.0x 7.0 0.3 0.5 0.70
F MT20 4.0x 6.0-0.5 0.4 0.67
O MT20 3.0x 7.0 Ctr Ctr 0.42
N MT20 4.0x 8.0 Ctr Ctr 0.56
I MT20 5.0x 7.0-1.5 3.0 0.75
H MT20 5.0x 5.0 Ctr-1.2 0.66
K MT20 4.0x 8.0 Ctr Ctr 0.51
G MT20 5.0x 5.0 Ctr 1.6 0.81
J MT20 2.0x 4.0 Ctr Ctr 0.43

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Tampa, FL 33610

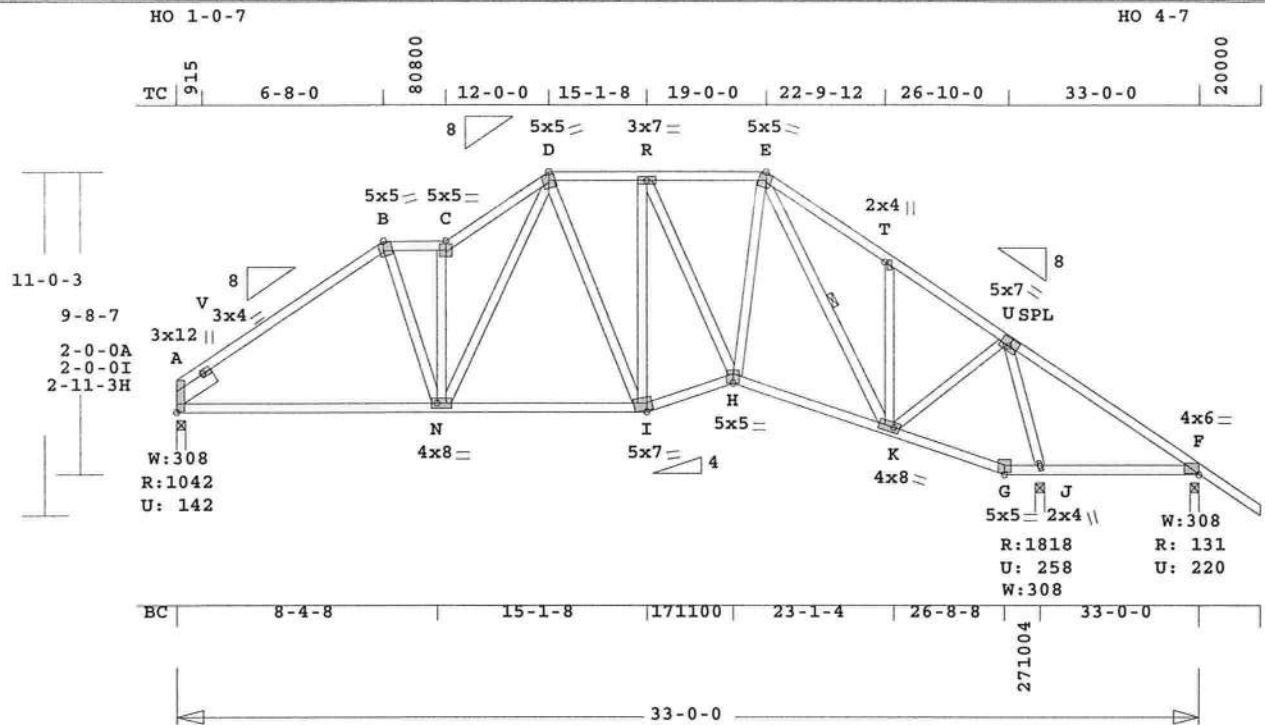
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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
User-defined wind-exposed BC
regions --From-- --To--
27-10- 4 33- 0- 0
Max comp. force 1647 Lbs
Max tens. force 988 Lbs
Quality Control Factor 1.25

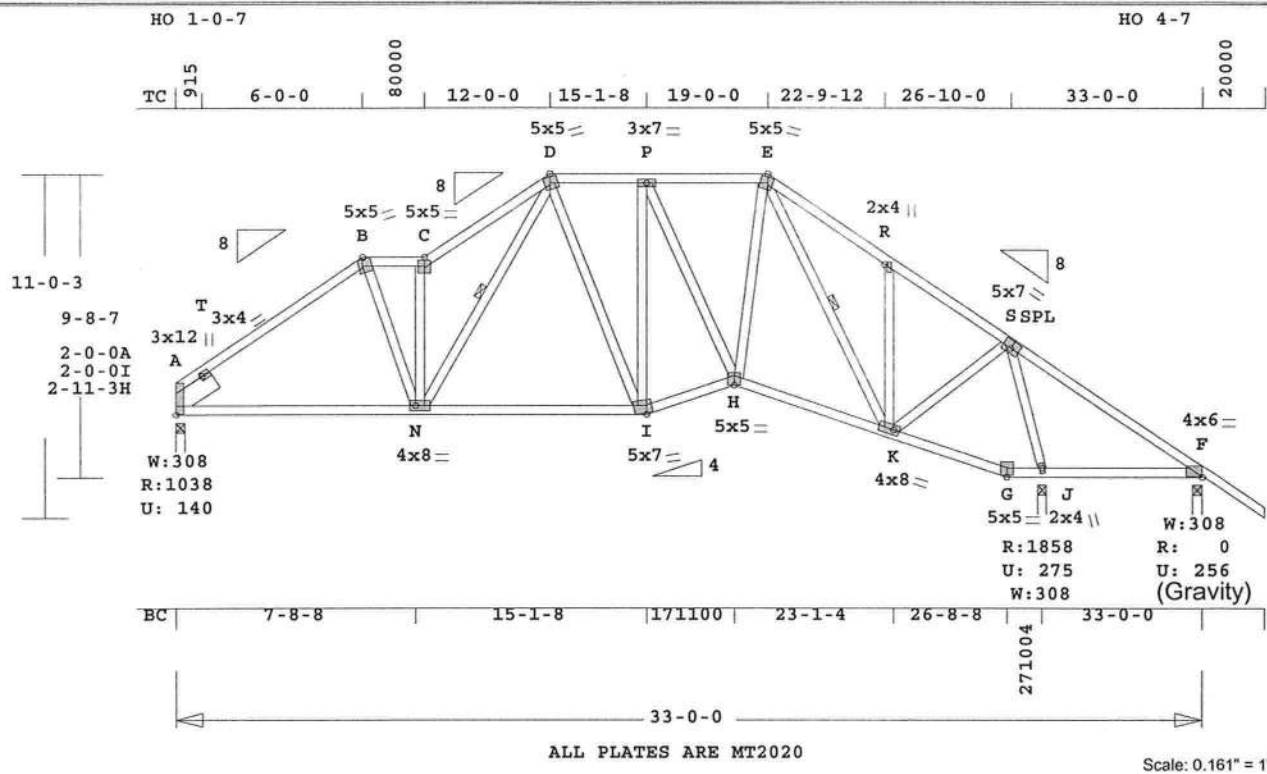
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	A14	1	SP	330000	8	0	2- 0- 0	T2870146

ELIXSON-SPEC



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	A15	1	SP	330000	8	0	2- 0- 0	T2870147
ELIXSON-SPEC								



Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

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

TC 0.61 2x 4 SP-#2
BC 0.66 2x 4 SP-#2
WB 0.43 2x 4 SP-#2
SL 0.04 2x 8 SP-#2

Brace truss as follows:

O.C. From To

TC Cont. 0- 0- 0 12- 0- 0
TC 24.0" 12- 0- 0 19- 0- 0
TC Cont. 19- 0- 0 33- 0- 0
BC Cont. 0- 0- 0 33- 0- 0

One Continuous Lateral Brace
N -D E -K

Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live

TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"

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

Total Load Reactions (Lbs)

Jt Down Uplift Horiz-

A 1038 140 U 177 R
J 1858 275 U
F 256 G 184 R

G = Gravity Uplift

Jt Brg Size Required

A 3.5" 1.5"
J 3.5" 2.0"
F 3.5" 1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd

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

A -T 0.60 617 C 0.00 0.60
T -B 0.61 1219 C 0.01 0.60
B -C 0.18 1196 C 0.01 0.17
C -D 0.21 1417 C 0.01 0.20
D -P 0.09 877 C 0.05 0.04
P -E 0.15 864 C 0.00 0.15
E -R 0.15 613 C 0.00 0.15
R -S 0.32 610 C 0.00 0.32
S -F 0.46 774 T 0.14 0.32

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

A -N 0.66 984 T 0.16 0.50

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 274.8 LBS

N -I 0.32 877 T 0.09 0.23
I -H 0.28 917 T 0.15 0.13
H -K 0.22 802 T 0.07 0.15
K -G 0.15 207 C 0.00 0.15
G -J 0.24 200 C 0.00 0.24
J -F 0.31 634 C 0.00 0.31

-----Webs-----

B -N 0.11 610 T
N -C 0.28 1009 C
N -D 0.11 635 T 1 Br
D -I 0.04 71 T
I -P 0.11 159 C
P -H 0.02 97 T
H -E 0.11 630 T
E -K 0.16 597 C 1 Br
K -R 0.08 223 C
K -S 0.16 877 T
S -J 0.43 1686 C

-----Sliders-----

A -T 0.04 880 C

TL Defl -0.23" in N -I L/999
LL Defl -0.09" in N -I L/999
Hz Disp LL DL TL
Jt J 0.03" 0.03" 0.06"
Shear // Grain in T -T 0.47

Plates for each ply each face.

Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A MT20 3.0x12.0 1.5 0.4 0.67
T MT20 3.0x 4.0-0.7-0.4 0.99
B MT20 5.0x 5.0 0.9-3.1 0.62
C MT20 5.0x 5.0 Ctr Ctr 0.86
D MT20 5.0x 5.0 0.5-3.4 0.89
P MT20 3.0x 7.0 Ctr Ctr 0.53
E MT20 5.0x 5.0-0.5-3.4 0.90
R MT20 2.0x 4.0 Ctr Ctr 0.43
S MT20 5.0x 7.0 0.3 0.5 0.70
F MT20 4.0x 6.0-0.5 0.4 0.67
N MT20 4.0x 8.0 Ctr Ctr 0.52
I MT20 5.0x 7.0-1.5 3.0 0.75
H MT20 5.0x 5.0 Ctr-1.2 0.66
K MT20 4.0x 8.0 Ctr Ctr 0.51
G MT20 5.0x 5.0 Ctr 1.6 0.81
J MT20 2.0x 4.0 Ctr Ctr 0.43

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

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

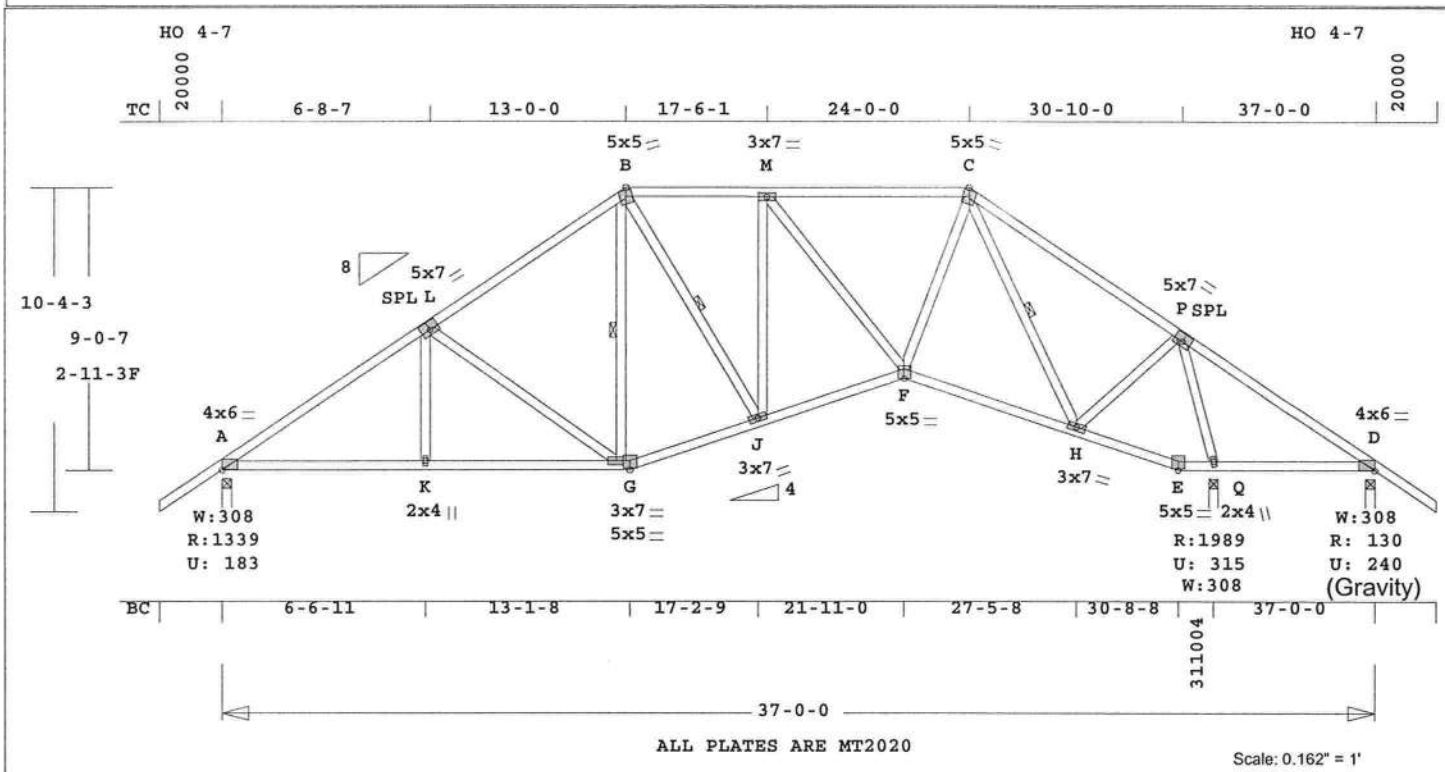
NOTES:
Trusses Manufactured by:

Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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--
27-10- 4 33- 0- 0
Max comp. force 1686 Lbs
Max tens. force 984 Lbs
Quality Control Factor 1.25

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

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	A16	1	SP	370000	8	2- 0- 0	2- 0- 0	T2870148

ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 283.9 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

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

TC	0.67	2x 4	SP-#2
BC	0.38	2x 4	SP-#2
WB	0.47	2x 4	SP-#2

Brace truss as follows:

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

One Continuous Lateral Brace
G -B B -J C -H
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	1339	184	U 202 R
Q	1989	315	U
D	131	241	G 201 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.6"
Q	3.5"	2.1"
D	3.5"	1.5"

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

Membr CSI P Lbs Axl-CSI-Bnd

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

A -L	0.44	1719	C	0.01	0.43
L -B	0.44	1248	C	0.01	0.43
B -M	0.28	1218	C	0.01	0.27
M -C	0.45	1231	C	0.01	0.44
C -P	0.53	659	C	0.00	0.53
P -D	0.67	743	T	0.14	0.53

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

A -K	0.38	1438	T	0.15	0.23
K -G	0.38	1438	T	0.15	0.23
G -J	0.29	1073	T	0.17	0.12

J -F	0.30	1287	T	0.21	0.09
F -H	0.26	962	T	0.16	0.10
H -E	0.16	114	C	0.00	0.16
E -Q	0.18	112	C	0.00	0.18
Q -D	0.25	597	C	0.00	0.25

-----Webs-----

K -L	0.04	277	T		
L -G	0.36	506	C		
G -B	0.02	177	T	1 Br	
B -J	0.06	369	T	1 Br	
J -M	0.21	316	C		
M -F	0.02	115	T		
F -C	0.15	855	T		
C -H	0.22	915	C	1 Br	
H -P	0.16	878	T		
P -Q	0.47	1876	C		

TL Defl -0.05" in Q -D L/999

LL Defl -0.02" in Q -D L/999

Hz Disp LL DL TL

Jt Q 0.05" 0.05" 0.09"

Shear // Grain in M -C 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	0.5	0.4
L MT20	5.0x	7.0	0.3	0.5
B MT20	5.0x	5.0	0.1-3.7	0.86
M MT20	3.0x	7.0	Ctr Ctr	0.48
C MT20	5.0x	5.0	0.1-3.7	0.80
P MT20	5.0x	7.0	0.3	0.5
D MT20	4.0x	6.0	0.5	0.4
K MT20	2.0x	4.0	Ctr Ctr	0.46
G MT20	3.0x	7.0	Ctr Ctr	0.43
G MT20	5.0x	5.0	Ctr	1.5
J MT20	3.0x	7.0	Ctr Ctr	0.50
F MT20	5.0x	5.0	Ctr-1.2	0.77
H MT20	3.0x	7.0	Ctr Ctr	0.53
E MT20	5.0x	5.0	Ctr	1.6
Q MT20	2.0x	4.0	Ctr Ctr	0.46

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

User-defined wind-exposed BC
regions --From-- --To--

31-10- 4 37- 0- 0

Max comp. force 1876 Lbs

Max tens. force 1438 Lbs

Quality Control Factor 1.25

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

Robbins Engineering

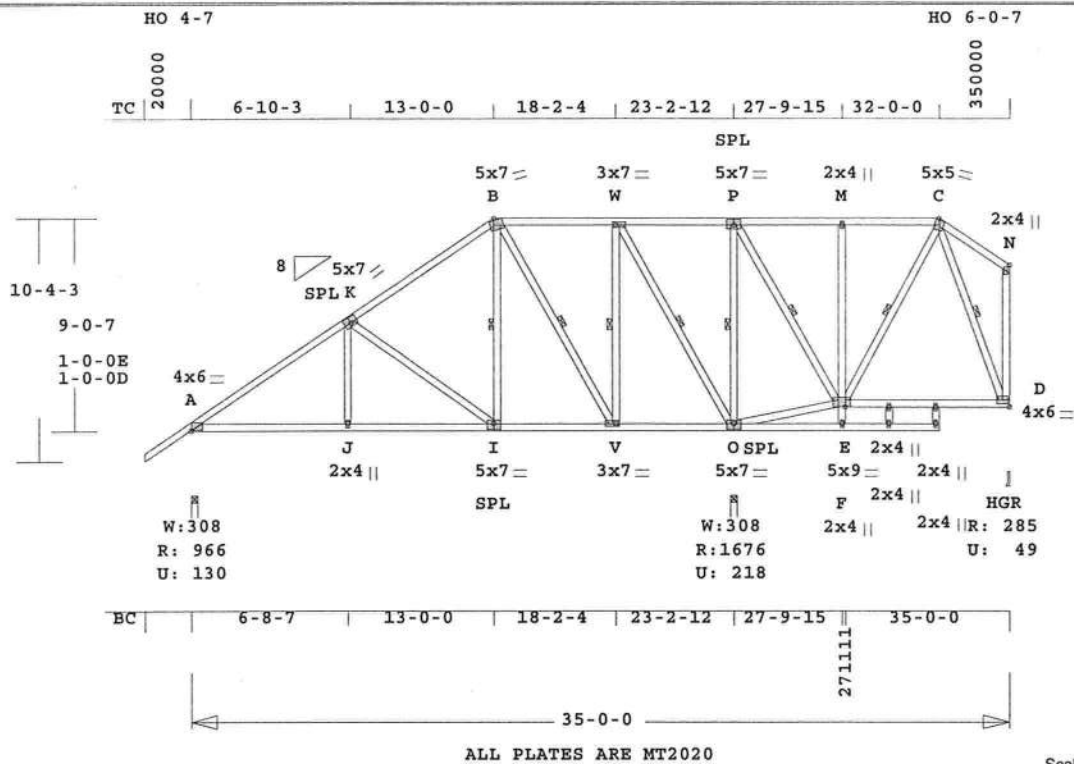
6904 Parke East Blvd

Tampa, FL, 33610

FL Cert.#5555

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
ELIXSON-SPEC	A17	1	SP	350000	8	2- 0- 0	0	T2870149

ELIXSON-SPEC



ALL PLATES ARE MT2020

Scale: 0.121" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 342.7 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.42 2x 4 SP-#2
BC 0.33 2x 4 SP-#2
CW 0.30 2x 4 SP-#2
WB 0.38 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 35- 0- 0
BC Cont. 0- 0- 0 35- 0- 0
One Continuous Lateral Brace
I -B B -V V -W W -O
O -P P -E E -C C -D
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 967 131 U 163 R
O 1676 218 U
D 285 49 U 258 R

Jt Brg Size Required
A 3.5" 1.5"
O 3.5" 1.8"
D 3.5" 1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -K 0.42 1059 C 0.00 0.42
K -B 0.42 582 C 0.00 0.42
B -W 0.26 265 T 0.00 0.26
W -P 0.29 234 T 0.03 0.26
P -M 0.21 168 T 0.00 0.21
M -C 0.17 167 T 0.00 0.17
C -N 0.07 170 T 0.00 0.07
-----Bottom Chords-----

A -J	0.33	890	T	0.09	0.24
J -I	0.33	890	T	0.09	0.24
I -V	0.21	469	T	0.04	0.17
V -O	0.18	237	T	0.02	0.16
O -F	0.16	167	C	0.00	0.16
E -D	0.32	163	T	0.00	0.32
-----Chord-Webs-----					
F -E	0.30	68	T	0.01	0.29
E -M	0.09	271	C	0.04	0.05
-----Webs-----					
J -K	0.04	279	T		
K -I	0.38	509	C		
I -B	0.07	445	T	1 Br	
B -V	0.15	464	C	1 Br	
V -W	0.09	504	T	1 Br	
W -O	0.31	943	C	1 Br	
O -P	0.18	710	C	1 Br	
O -E	0.05	233	T		
P -E	0.09	489	T	1 Br	
E -C	0.01	75	C	1 Br	
C -D	0.03	155	C	1 Br	
D -N	0.15	146	C	WindLd	

TL Defl -0.13" in E -D L/999
LL Defl -0.07" in E -D L/999
Shear // Grain in A -K 0.22

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.5 0.4 0.69
K MT20 5.0x 7.0 0.3 0.5 0.72
B MT20 5.0x 7.0 1.6-3.4 0.69
W MT20 3.0x 7.0 Ctr Ctr 0.51
P MT20 5.0x 7.0 Ctr 0.5 0.74
M MT20 2.0x 4.0 Ctr Ctr 0.29
C MT20 5.0x 5.0-0.1-3.7 0.78
N MT20 2.0x 4.0 Ctr Ctr 0.49
J MT20 2.0x 4.0 Ctr Ctr 0.44
I MT20 5.0x 7.0 Ctr-0.5 0.74
V MT20 3.0x 7.0 Ctr Ctr 0.51
O MT20 5.0x 7.0 Ctr-0.5 0.74
F MT20 2.0x 4.0 Ctr Ctr 0.58
E MT20 5.0x 9.0 Ctr 0.8 0.68
D MT20 4.0x 6.0 Ctr Ctr 0.73

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

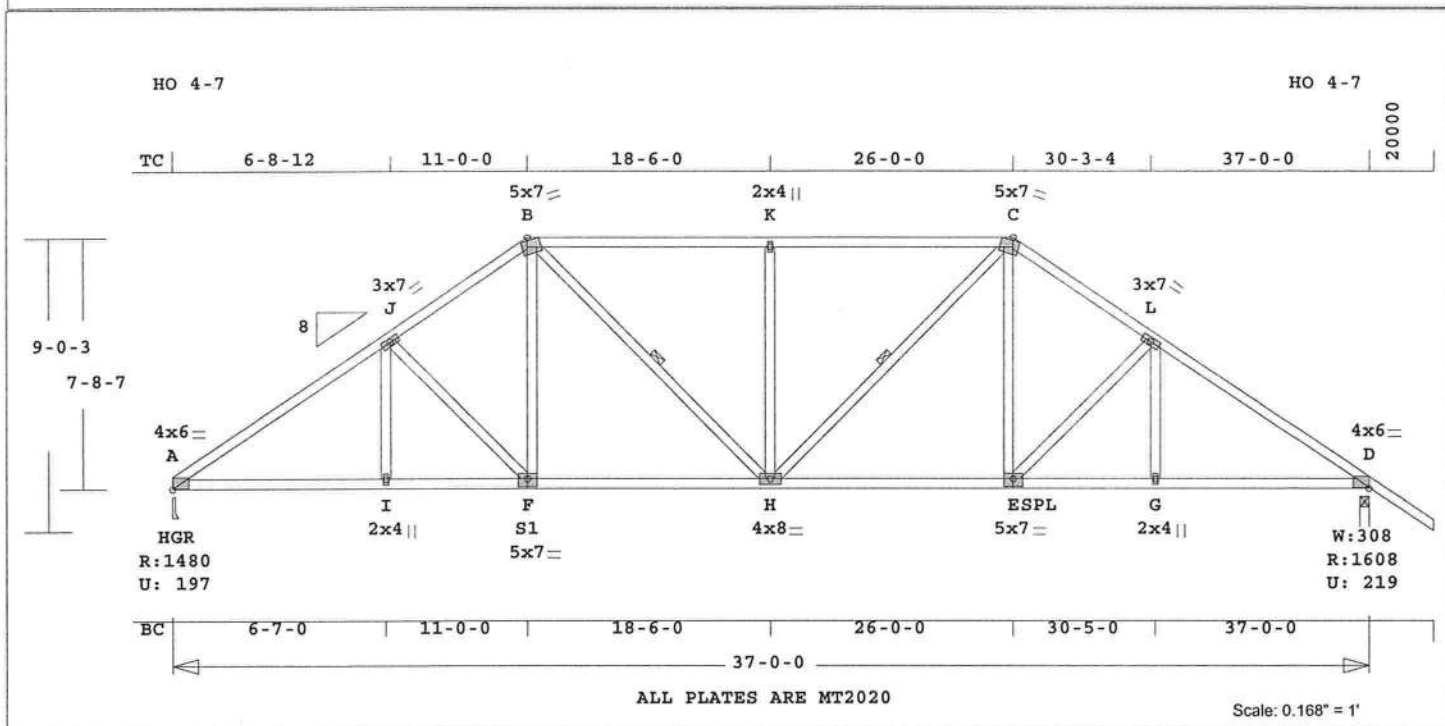
ADDITIONAL SPECIFICATIONS.

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 1059 Lbs
Max tens. force 890 Lbs
Quality Control Factor 1.25

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

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	A18	1	HIPP	370000	8	0	2- 0- 0	T2870150

ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 270.2 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ----Lumber----
TC 0.66 2x 4 SP-#2
BC 0.48 2x 4 SP-#2
WB 0.35 2x 4 SP-#2

Brace truss as follows:

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

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-
A 1480 197 U 170 R
D 1608 220 U 170 R

Jt Brg Size Required
A 3.5" 1.7"
D 3.5" 1.9"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----

A -J 0.42 2159 C 0.09 0.33
J -B 0.29 1853 C 0.01 0.28
B -K 0.66 1879 C 0.02 0.64
K -C 0.66 1879 C 0.02 0.64
C -L 0.29 1853 C 0.01 0.28
L -D 0.42 2159 C 0.09 0.33

-----Bottom Chords-----
A -I 0.41 1792 T 0.30 0.11
I -S1 0.40 1792 T 0.30 0.10

S1-H 0.48 1540 T 0.16 0.32
H -E 0.48 1540 T 0.16 0.32
E -G 0.40 1792 T 0.30 0.10
G -D 0.41 1792 T 0.30 0.11

-----Webs-----
I -J 0.03 204 T
J -S1 0.17 358 C
S1-B 0.06 407 T
B -H 0.08 478 T 1 Br
H -K 0.35 516 C
H -C 0.08 478 T 1 Br
E -C 0.06 407 T
E -L 0.17 358 C
G -L 0.03 204 T

TL Defl -0.23" in S1-H L/999
LL Defl -0.10" in S1-H L/999
Shear // Grain in B -K 0.33

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

Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.5 0.4 0.71
J MT20 3.0x 7.0 Ctr Ctr 0.44
B MT20 5.0x 7.0 1.6-3.4 0.71
K MT20 2.0x 4.0 Ctr Ctr 0.46
C MT20 5.0x 7.0-1.6-3.4 0.71
L MT20 3.0x 7.0 Ctr Ctr 0.44
D MT20 4.0x 6.0-0.5 0.4 0.71
I MT20 2.0x 4.0 Ctr Ctr 0.46
S1 MT20 5.0x 7.0 Ctr-0.5 0.76
H MT20 4.0x 8.0 Ctr Ctr 0.43
E MT20 5.0x 7.0 Ctr-0.5 0.76
G MT20 2.0x 4.0 Ctr Ctr 0.46

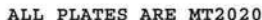
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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 2159 Lbs
Max tens. force 1792 Lbs
Quality Control Factor 1.25

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

ELIXSON-SPEC

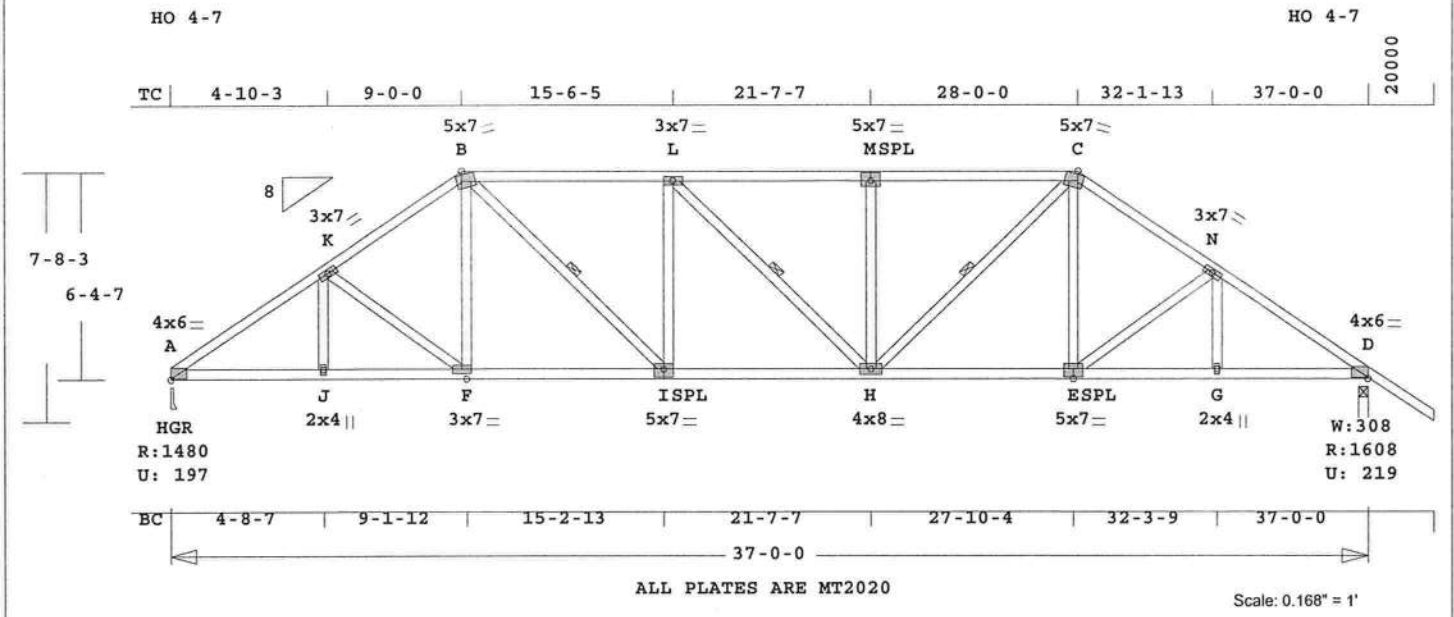
Scale: 0.159" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 311.4 LBS

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

Job ELIXSON-SPEC	Mark A20	Quan 1	Type HIPP	Span 370000	Pl-H1 8	Left OH 0	Right OH 2- 0- 0	Engineering T2870152
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 273.1 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.40 2x 4 SP-#2
BC 0.47 2x 4 SP-#2
WB 0.18 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 37- 0- 0
BC Cont. 0- 0- 0 37- 0- 0
One Continuous Lateral Brace
B -I L -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-
A 1480 197 U 139 R
D 1608 220 U 139 R

Jt Brg Size Required
A 3.5" 1.7"
D 3.5" 1.9"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -K 0.22 2235 C 0.03 0.19
K -B 0.26 1982 C 0.02 0.24
B -L 0.40 2197 C 0.03 0.37
L -M 0.40 2196 C 0.03 0.37
M -C 0.40 2196 C 0.03 0.37
C -N 0.26 1982 C 0.02 0.24
N -D 0.22 2235 C 0.03 0.19
-----Bottom Chords-----
A -J 0.43 1849 T 0.31 0.12
J -F 0.41 1849 T 0.31 0.10

F -I	0.38	1656	T	0.27	0.11
I -H	0.47	2197	T	0.36	0.11
H -E	0.38	1656	T	0.27	0.11
E -G	0.41	1849	T	0.31	0.10
G -D	0.43	1849	T	0.31	0.12

-----Webs-----

J -K	0.02	141	T		
K -F	0.09	268	C		
F -B	0.04	322	T		
B -I	0.13	750	T	1 Br	
I -L	0.18	394	C		
L -H	0.01	51	C	1 Br	
H -M	0.18	394	C		
H -C	0.13	749	T	1 Br	
E -C	0.04	322	T		
E -N	0.09	268	C		
G -N	0.02	141	T		

TL Defl -0.25" in I -H L/999
LL Defl -0.12" in I -H L/999
Shear // Grain in B -L 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 0.5 0.4 0.71
K MT20 3.0x 7.0 Ctr Ctr 0.44
B MT20 5.0x 7.0 1.6-3.4 0.71
L MT20 3.0x 7.0 Ctr Ctr 0.45
M MT20 5.0x 7.0 Ctr 0.5 0.76
C MT20 5.0x 7.0-1.6-3.4 0.71
N MT20 3.0x 7.0 Ctr Ctr 0.44
D MT20 4.0x 6.0-0.5 0.4 0.71
J MT20 2.0x 4.0 Ctr Ctr 0.46
F MT20 3.0x 7.0 Ctr Ctr 0.43
I MT20 5.0x 7.0 Ctr-0.5 0.76
H MT20 4.0x 8.0 Ctr Ctr 0.43
E MT20 5.0x 7.0 Ctr-0.5 0.76
G MT20 2.0x 4.0 Ctr Ctr 0.46

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

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

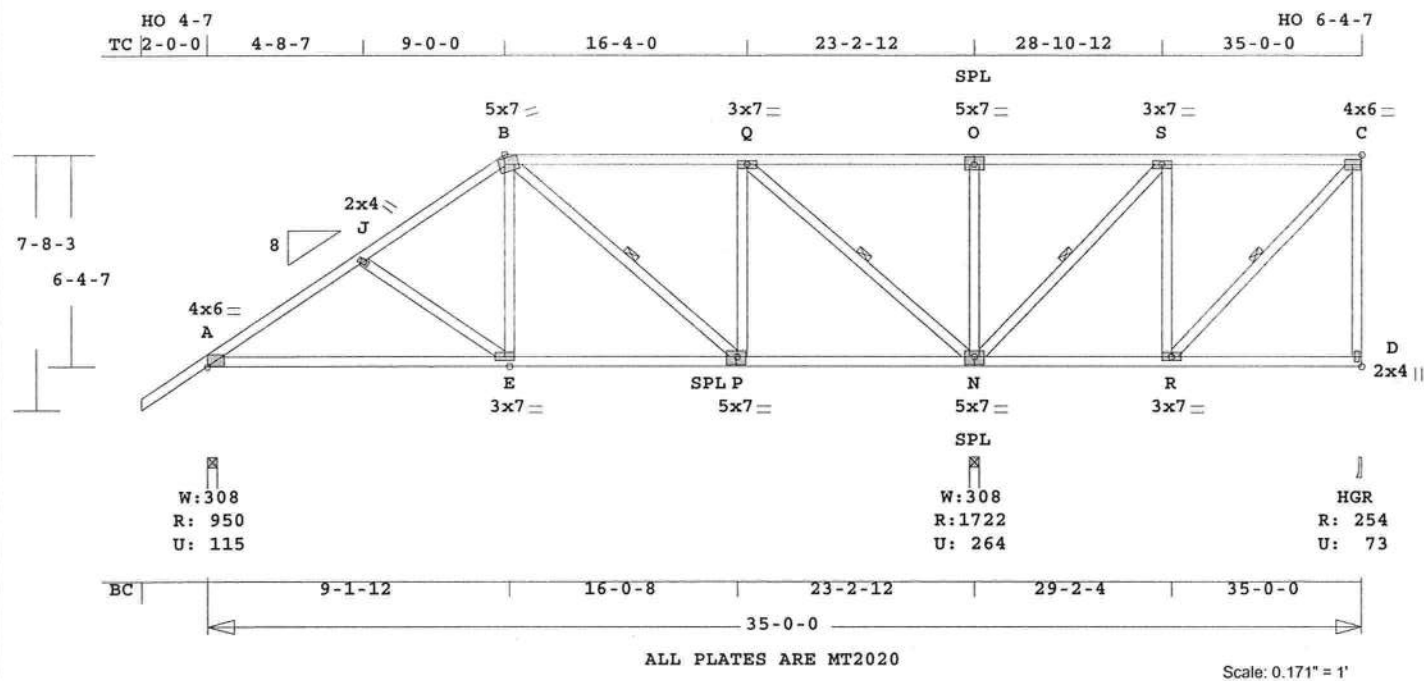
NOTES:
Trusses Manufactured by:

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 2235 Lbs
Max tens. force 2197 Lbs
Quality Control Factor 1.25

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

Job ELIXSON-SPEC	Mark A21	Quan 1	Type HHIP	Span 350000	Pl-H1 8	Left OH 2- 0- 0	Right OH 0	Engineering T2870153
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 268.9 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.60 2x 4 SP-#2
BC 0.46 2x 4 SP-#2
WB 0.33 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 35- 0- 0
BC Cont. 0- 0- 0 35- 0- 0

One Continuous Lateral Brace
B -P Q -N N -S R -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 951 116 U 110 R
N 1723 265 U
D 254 73 U 215 R

Jt Brg Size Required
A 3.5" 1.5"
N 3.5" 1.8"
D 3.5" 1.5"

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

Membr CSI P Lbs Axl-C SI-Bnd
-----Top Chords-----
A -J 0.18 1076 C 0.00 0.18
J -B 0.22 843 C 0.00 0.22
B -Q 0.54 508 C 0.00 0.54
Q -O 0.60 380 T 0.06 0.54
O -S 0.42 380 T 0.06 0.36
S -C 0.36 103 T 0.00 0.36

-----Bottom Chords-----
A -E 0.46 903 T 0.09 0.37
E -P 0.44 701 T 0.07 0.37
P -N 0.28 508 T 0.05 0.23
N -R 0.23 121 T 0.00 0.23
R -D 0.20 168 T 0.00 0.20

-----Webs-----
J -E 0.10 268 C
E -B 0.06 395 T
B -P 0.07 252 C 1 Br
P -Q 0.06 397 T
Q -N 0.33 1174 C 1 Br
N -O 0.17 370 C
O -S 0.14 625 C 1 Br
R -S 0.02 187 T
R -C 0.01 88 T 1 Br
D -C 0.15 203 C WindLd

TL Defl -0.25" in A -E L/999
LL Defl -0.12" in A -E L/999
Shear // Grain in B -Q 0.31

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.5 0.4 0.69
J MT20 2.0x 4.0 Ctr Ctr 0.44
B MT20 5.0x 7.0 1.6-3.4 0.69
Q MT20 3.0x 7.0 Ctr Ctr 0.44
O MT20 5.0x 7.0 Ctr 0.5 0.74
S MT20 3.0x 7.0 Ctr Ctr 0.45
C MT20 4.0x 6.0 Ctr Ctr 0.73
E MT20 3.0x 7.0 Ctr Ctr 0.42
P MT20 5.0x 7.0 Ctr-0.5 0.74
N MT20 5.0x 7.0 Ctr-0.5 0.74
R MT20 3.0x 7.0 Ctr Ctr 0.45
D MT20 2.0x 4.0 Ctr Ctr 0.49

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

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

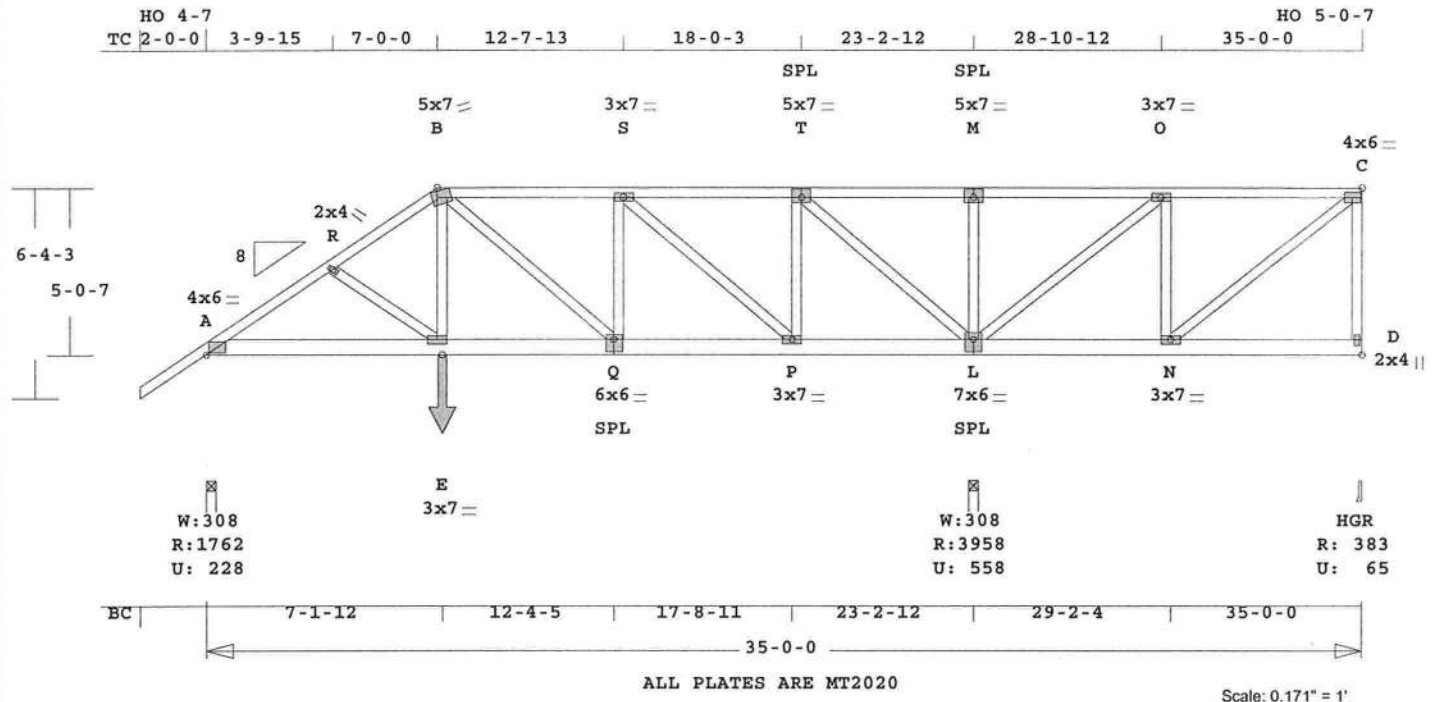
NOTES:
Trusses Manufactured by:

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 1174 Lbs
Max tens. force 903 Lbs
Quality Control Factor 1.25

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

Job ELIXSON-SPEC	Mark A23	Quan 1*2P	Type HHIP	Span 350000	P1-H1 8	Left OH 2- 0- 0	Right OH 0	Engineering T2870155
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 292.8 LBS

Online Plus -- Version 21.5.049

RUN DATE: 25-JAN-08

* 2-Ply Truss *

CSI	Size	-----	Lumber	----
TC	0.57	2x 4	SP-#2	
BC	0.19	2x 6	SP-#2	
WB	0.25	2x 4	SP-#2	

Brace truss as follows:

O.C.	From	To
TC	Cont.	0- 0- 0 35- 0- 0
BC	Cont.	0- 0- 0 35- 0- 0

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	From	To
A	1762	228	U	85 R
L	3959	559	U	
D	384	66	U	167 R

Jt	Brg	Size	Required
A	3.5"	1.5"	
L	3.5"	2.1"	
D	3.5"	1.5"	

LC# 1 Girder Loading

plf	Dead	Live*	From	To
TC V	20	40	0.0'	35.0'
BC V	20	0	0.0'	35.0'
TC V	25	50	7.0'	34.0'
TC V	-20	-40	34.0'	35.0'
BC V	25	0	7.1'	34.0'
BC V	-20	0	34.0'	35.0'
BC V	280	280	7.1'	CL-LB

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

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A-R	0.08	2546	C	0.01 0.07
R-B	0.23	2415	C	0.01 0.22
B-S	0.39	2130	C	0.00 0.39
S-T	0.39	998	C	0.00 0.39
T-M	0.47	1156	T	0.10 0.37
M-O	0.57	1156	T	0.10 0.47
O-C	0.47	123	C	0.00 0.47
-----Bottom Chords-----				

A-E	0.19	2105	T	0.14	0.05
E-Q	0.18	2029 <td>T</td> <td>0.13</td> <td>0.05</td>	T	0.13	0.05
Q-P	0.19	2130 <td>T</td> <td>0.14</td> <td>0.05</td>	T	0.14	0.05
P-L	0.17	998	T	0.06	0.11
L-N	0.13	123	T	0.00	0.13
N-D	0.11	131	T	0.00	0.11

R-E	0.00	145	C
E-B	0.07	793	T
B-Q	0.01	132	T
Q-S	0.03	448	T
S-P	0.13	1500	C
P-T	0.10	1176	T
T-L	0.25	2854	C
L-M	0.04	748	C
L-O	0.15	1639	C
N-O	0.03	465	T
N-C	0.01	157	T
D-C	0.04	305	C

TL Defl -0.07" in E-Q L/999
LL Defl -0.03" in E-Q L/999
Shear // Grain in O-C 0.30

Plates for each ply each face.

Plate	MT20	20 Ga.	Gross Area	
Plate - MT2H	20 Ga. <td>Gross Area</td> <td></td>	Gross Area		
Jt Type	Plt Size	X	Y	JSI
A MT20	4.0x 6.0	Ctr	Ctr	0.67
R MT20	2.0x 4.0	Ctr	Ctr	0.44
B MT20	5.0x 7.0	1.6-3.4	0.69	
S MT20	3.0x 7.0	Ctr	Ctr	0.44
T MT20	5.0x 7.0	Ctr	0.5	0.74
M MT20	5.0x 7.0	Ctr	0.5	0.74
O MT20	3.0x 7.0	Ctr	Ctr	0.43
C MT20	4.0x 6.0	Ctr	Ctr	0.73
E MT20	3.0x 7.0	Ctr	Ctr	0.42
Q MT20	6.0x 6.0	Ctr	1.2	0.59
P MT20	3.0x 7.0	Ctr	Ctr	0.44
L MT20	7.0x 6.0	Ctr	0.8	0.65
N MT20	3.0x 7.0	Ctr	Ctr	0.43
D MT20	2.0x 4.0	Ctr	Ctr	0.80

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Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Half Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
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.
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 2854 Lbs
Max tens. force 2130 Lbs
Quality Control Factor 1.25

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