

DATE 04/19/2011

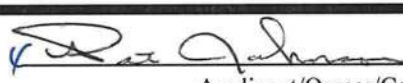
Columbia County Building Permit

PERMIT
000029326

This Permit Must Be Prominently Posted on Premises During Construction

APPLICANT	PATRICIA M. JOHNSON		PHONE	386.744.4038	
ADDRESS	204	SW DUSTY GLEN	LAKE CITY	FL	32024
OWNER	JOHN S. & PATRICIA JOHNSON		PHONE	386.755.4038	
ADDRESS	212	SW SCOTT PLACE	LAKE CITY	FL	32024
CONTRACTOR	PATRICIA M. JOHNSON		PHONE	386.755.4038	
LOCATION OF PROPERTY	90-W TO SR.247-S,TL TO TROY,TR TO RUSSWOOD EST.,TR INTO RUSSWOOD TER.,TO BETHANY,TL,TO DOROTHY,TR,SCOTT,TR 4TH ON R				
TYPE DEVELOPMENT	SFD/UTILITY		ESTIMATED COST OF CONSTRUCTION	214450.00	
HEATED FLOOR AREA	3034.00	TOTAL AREA	4289.00	HEIGHT	20.00
STORIES	1				
FOUNDATION	CONC	WALLS	FRAMED	ROOF PITCH	7/12
FLOOR	CONC				
LAND USE & ZONING	RSF-2		MAX. HEIGHT	35	
Minimum Set Back Requirments:	STREET-FRONT		25.00	REAR	15.00
SIDE	10.00				
NO. EX.D.U.	0	FLOOD ZONE	X	DEVELOPMENT PERMIT NO.	

PARCEL ID	10-4S-16-02853-416	SUBDIVISION	RUSSWOOD ESTATES		
LOT	16	BLOCK	PHASE	UNIT	4
TOTAL ACRES	0.75				

00001883	R282811528				
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor		
WAIVER	11-0175	BLK	TC	N	
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident	

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 2239

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	Insulation	
date/app. by	date/app. by	
Rough-in plumbing above slab and below wood floor	Electrical rough-in	
date/app. by	date/app. by	
Heat & Air Duct	Peri. beam (Lintel)	Pool
date/app. by	date/app. by	date/app. by
Permanent power	C.O. Final	Culvert
date/app. by	date/app. by	date/app. by
Pump pole	Utility Pole	M/H tie downs, blocking, electricity and plumbing
date/app. by	date/app. by	date/app. by
Reconnection	RV	Re-roof
date/app. by	date/app. by	date/app. by

BUILDING PERMIT FEE \$	1075.00	CERTIFICATION FEE \$	21.45	SURCHARGE FEE \$	21.45
MISC. FEES \$	0.00	ZONING CERT. FEE \$	50.00	FIRE FEE \$	0.00
WASTE FEE \$					
FLOOD DEVELOPMENT FEE \$	FLOOD ZONE FEE \$	25.00	CULVERT FEE \$	TOTAL FEE 1192.90	

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

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

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

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


**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIREMENTS**

6-25-09

**MINIMUM PLAN REQUIREMENTS FOR THE
FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS
with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007
FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009. ALL PLANS OR DRAWINGS SHALL
PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND
SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE
STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE
STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY
DWELLINGS.**

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

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

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH

ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH

NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Items to Include-
Each Box shall be
Circled as
Applicable

			Yes	No	N/A		
1	Two (2) complete sets of plans containing the following:		✓				
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void		✓				
3	Condition space (Sq. Ft.)	3034 FRZ	Total (Sq. Ft.) under roof	4289 FRZ	IIIIII	IIIIII	IIII

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII	IIII	IIIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifi ally designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys			✓
18	Location and size of skylights with Florida Product Approval			✓
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade			✓
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 613.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)	✓		
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

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

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.			✓
32	Assumed load-bearing value of soil <u>1000</u> Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Sub mit other approved termite protection methods. Protection shall be provided by registered termiticides	✓		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

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

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

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓

45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & interior of the areas structural panel sheathing			✓
49	Show Draftstopping, Fire caulking and Fire blocking			✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

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

FBCR Table 602.3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	☒		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	☒		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	☒		
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	☒		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	☒		
74	Attic space	☒		
75	Exterior wall cavity	☒		
76	Crawl space			☒

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	☒		
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	☒		
79	Show clothes dryer route and total run of exhaust duct	☒		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	☒		
81	Show the location of water heater	☒		

Private Potable Water

82	Pump motor horse power	☒		
83	Reservoir pressure tank gallon capacity	☒		
84	Rating of cycle stop valve if used	☒		

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	✓		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	✓		
87	Show the location of smoke detectors & Carbon monoxide detectors	✓		
88	Show service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	✓		
90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter , Protection device.	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	City of Lake City A permit showing an approved waste water sewer tap			✓
96	Toilet facilities shall be provided for all construction sites	✓		
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			

98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			
100	A development permit will also be required. Development permit cost is \$50.00			
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125			

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____ **Project Name:** _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Signed, sealed and delivered
in our presence:

DeEtte F. Brown
(First Witness)

DeEtte F. Brown

Printed Name

Crystal L. Brunner
(Second Witness)

Crystal L. Brunner

Printed Name

Loid Russell Bailey (SEAL)
LOID RUSSELL BAILEY

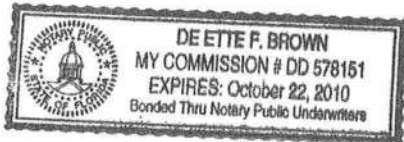
Dorothy H. Bailey (SEAL)
DOROTHY H. BAILEY

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 22nd
day of February, 2007, by LOID RUSSELL BAILEY and his wife, DOROTHY
H. BAILEY, who are personally known to me and who did not take an
oath.

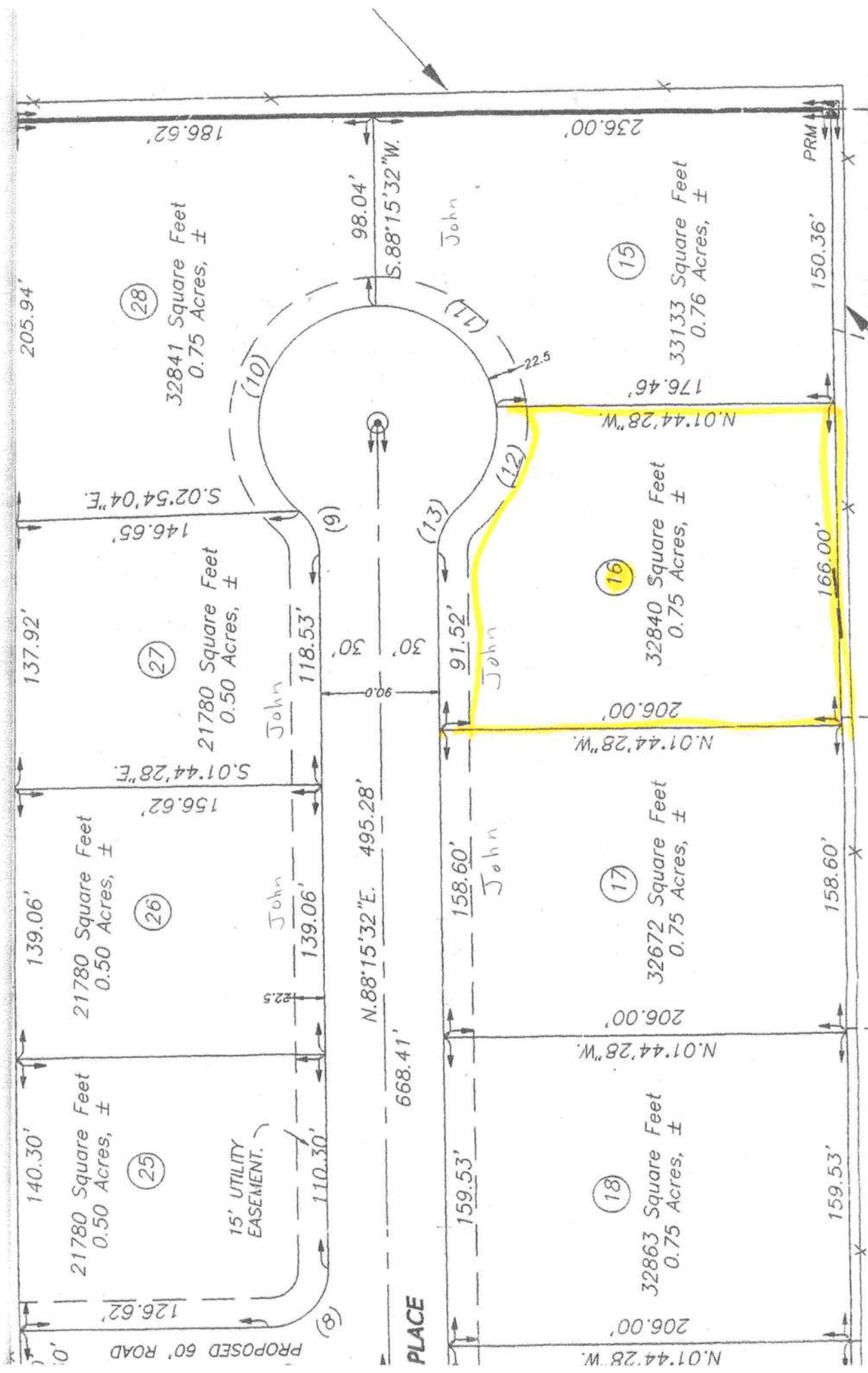
My Commission Expires:

DeEtte F. Brown
Notary Public



Russwood Estates

234294
John



THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Recording Fee \$ 18.50
Documentary Stamp \$ 1,274.00

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328
07-84

Inst:2007004456 Date:02/23/2007 Time:11:04

Doc Stamp-Deed : 1274.00

J. A. -DC, P. Dewitt Cason, Columbia County B:1111 P:2014

Property Appraiser's
Parcel Identification No.
02853-415; 416; 417;
423; 424; 426; 427

WARRANTY DEED

THIS INDENTURE, made this 22nd day of February, 2007, BETWEEN LOID RUSSELL BAILEY and his wife, DOROTHY H. BAILEY, whose post office address is 2016 SW Sisters Welcome Road, Lake City, Florida 32025, of the County of Columbia, State of Florida, grantor*, and JOHN S. JOHNSON and his wife, PATRICIA M. JOHNSON, whose post office address is 204 SW Dusty Glen, Lake City, FL 32024, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lots 15, 16, 17, 23, 24, 26 and 27, RUSSWOOD ESTATES UNIT 4, a subdivision according to the plat thereof recorded in Plat Book 9, Pages 2 & 3, of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land,
and will defend the same against the lawful claims of all persons

the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lots 15, 16, 17, 23, 24, 26 and 27, RUSSWOOD ESTATES UNIT 4, a subdivision according to the plat thereof recorded in Plat Book 9, Pages 2 & 3, of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Columbia County Building Permit Application

P. JOHNSON 211 updates

For Office Use Only Application # 1104-19 Date Received 4/8 By JW Permit # 1613/29326
Zoning Official BLK Date 15.04.11 Flood Zone X Land Use Res Low Dev Zoning RSF-2
FEMA Map # N/A Elevation N/A MFE 1/4" above RL River N/A Plans Examiner T.C. Date 4-14-11
Comments _____
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☒ Parent Parcel # 911 address
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
School _____ = TOTAL 0 Suspended ☒ WELL LETTER

Septic Permit No. 11-0175

Fax _____

Name Authorized Person Signing Permit Patricia M Johnson Phone 386-755-4038Address 204 SW Dusty Glen Lake City FL 32024Owners Name John S and Patricia M Johnson Phone 386-755-4038911 Address 212 SW Scott Place Lake City FL 32024Contractors Name Patricia M Johnson Phone 386-755-4038Address 204 SW Dusty Glen Lake City FL 32024

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Mark Disoway P.O. Box 868 Lake City, FL 32056Mortgage Lenders Name & Address - - N/ACircle the correct power company - FL Power & Light - Clay Elec - Suwannee Valley Elec. - Progress EnergyProperty ID Number 10-45-16-02853-416 Estimated Cost of Construction \$189,000.Subdivision Name Russwood Estates Lot 16 Block _____ Unit 4 Phase _____Driving Directions Branford Hwy (292) R on Troy St one mile. R into Russwood Estates. Russwood Terrace To L on Bethany Place R on Dorothy R on Scott Place. 4th lot on R. Number of Existing Dwellings on Property 0Construction of Wood Frame - SFD Total Acreage 3/4 Lot Size 32840 sq ftDo you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 20' 12"Actual Distance of Structure from Property Lines - Front 71' Side 48' Side 41' Rear 89'Number of Stories 1 Heated Floor Area 3034 Total Floor Area 4289 Roof Pitch 7' 12"

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

Left a message 4-15-11 LH

Columbia County Building Permit Application

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

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

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

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

Patricia M Johnson
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.

Patricia M Johnson
Contractor's Signature (Permitee)

Contractor's License Number RR28211528
Columbia County
Competency Card Number 337

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 25 day of March 2011
Personally known ☒ or Produced Identification _____

Vera Lisa Hicks
State of Florida Notary Signature (For the Contractor)

SEAL:



VERA LISA HICKS
MY COMMISSION # DD 984837
EXPIRES: August 23, 2014
Bonded Thru Budget Notary Services

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1104-19 CONTRACTOR Patricia M. Johnson PHONE 386-755-41
THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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

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

☒ ELECTRICAL 39	Print Name <u>Holly Electric Inc</u>	Signature <u>[Signature]</u>	Phone # <u>386-755-5944</u>
☒ ER13012377	License # <u>ER13012377</u>		
☒ MECHANICAL/A/C 138	Print Name <u>Booster HT & H/C</u>	Signature <u>[Signature]</u>	Phone # <u>386-754-6700</u>
	License # <u>RA0035027</u>		
☒ PLUMBING/GAS 715	Print Name <u>Cady Davis Bros Plumbing</u>	Signature <u>[Signature]</u>	Phone # <u>386-623-0504</u>
	License # <u>CFC1427145</u>		
☒ ROOFING 337	Print Name <u>Patricia Johnson</u>	Signature <u>[Signature]</u>	Phone # <u>386-755-4038</u>
	License # <u>RR282811528</u>		
SHEET METAL	Print Name _____	Signature _____	Phone # _____
	License # _____		
FIRE SYSTEM/SPRINKLER	Print Name _____	Signature _____	Phone # _____
	License # _____		
SOLAR	Print Name _____	Signature _____	Phone # _____
	License # _____		

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
☒ MASON	<u>593021629</u>	<u>Roger Romine</u>	<u>Roger Romine</u>
☒ CONCRETE FINISHER	<u>000218</u>	<u>TONY E. JORDAN SR</u>	<u>Tony E. Jordan</u>
☒ FRAMING 289	<u>RG0066597</u>	<u>John D. Norris</u>	<u>John D. Norris</u>
☒ INSULATION 337	<u>RR282811528</u>	<u>Patricia M. Johnson</u>	<u>Patricia M. Johnson</u>
STUCCO			
☒ DRYWALL 345	<u>000345</u>	<u>Kim Heitzman</u>	<u>Kim Heitzman</u>
PLASTER			
☒ CABINET INSTALLER 337	<u>RR282811528</u>	<u>Patricia M. Johnson</u>	<u>Patricia M. Johnson</u>
☒ PAINTING 337	<u>RR282811528</u>	<u>Patricia M. Johnson</u>	<u>Patricia M. Johnson</u>
ACOUSTICAL CEILING			
GLASS			
☒ CERAMIC TILE 337	<u>RR282811528</u>	<u>Patricia M. Johnson</u>	<u>Patricia M. Johnson</u>
☒ FLOOR COVERING 337	<u>RR282811528</u>	<u>Patricia M. Johnson</u>	<u>Patricia M. Johnson</u>
ALUM/VINYL SIDING			
☒ GARAGE DOOR 337	<u>RR282811528</u>	<u>Patricia M. Johnson</u>	<u>Patricia M. Johnson</u>
METAL BLDG ERECTOR			

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

RON E. BIAS

WELL DRILLING

1114 SW Troy Street • Lake City, FL 32024
(386) 752-3456 • Mobile: (386) 364-9233
PUMP REPAIR: E.E. Bias, Jr. (352) 318-6289

No. _____

Date: _____

Name: John Johnson

Address: Russ Wood Estates

Lot 16

Phone: _____

DESCRIPTION:

100' plus
 $1\frac{1}{2}$ 20 GPM stand^{less} pump

81 capture tank
booster band prevented

$1\frac{1}{4}$ drop

Total: _____

Deposit: _____

Balance: _____

Date Wanted: _____

Authorized By: Ron E Bias

Received By: _____

COLUMBIA COUNTY 9-1-1 ADDRESSING / GIS DEPARTMENT

P. O. Box 1787, Lake City, FL 32056-1787

Telephone: (386) 758-1125 * FAX (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

9-1-1 Addressing of "Russwood Estates, Unit 4" Subdivision

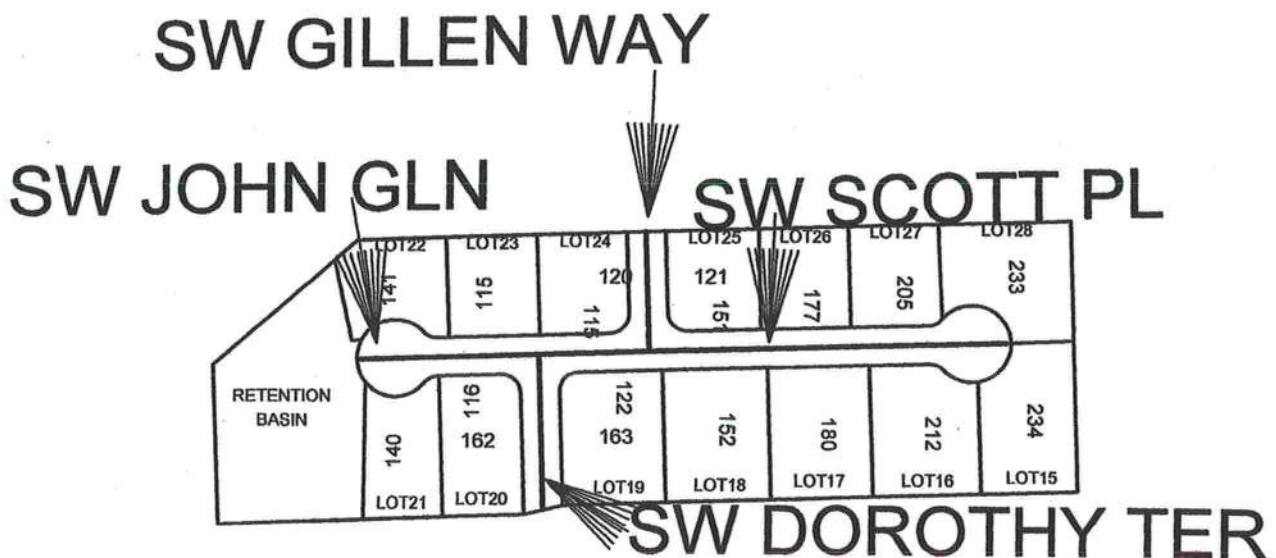
LOT # ADDRESS

LOT15 234 SW SCOTT PL
 LOT16 212 SW SCOTT PL
 LOT17 180 SW SCOTT PL
 LOT18 152 SW SCOTT PL
 *LOT19 163 SW DOROTHY TER
 *LOT19 122 SW SCOTT PL
 *LOT20 116 SW JOHN GLN
 *LOT20 162 SW DOROTHY TER
 LOT21 140 SW JOHN GLN

LOT # ADDRESS

LOT22 141 SW JOHN GLN
 LOT23 115 SW JOHN GLN
 LOT24 117 115 SW SCOTT PL
 LOT24 120 SW GILLEN WAY
 LOT25 151 SW SCOTT PL
 LOT25 121 SW GILLEN WAY
 LOT26 177 SW SCOTT PL
 LOT27 205 SW SCOTT PL
 LOT28 233 SW SCOTT PL

NOTE: Please contact the 9-1-1 Address / GIS Department concerning addresses for corner lots 19 and 20. Also, contact the 9-1-1 Address Department if two or more lots are to be combined for one residential location, as this will affect the address number assignment.



NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 10-45-16-02853-416

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Russwood Estates Unit 4 Lot 16
a) Street (job) Address: 212 SW Scott Place Lake City, FL 32024
2. General description of improvements: New Construction of single family home
3. Owner Information
a) Name and address: John S and Patricia M Johnson 204 SW Dusty Gl
b) Name and address of fee simple titleholder (if other than owner) Lake City, FL 32024
c) Interest in property -
4. Contractor Information
a) Name and address: Patricia M Johnson 204 SW Dusty Gl Lake City, FL 32024
b) Telephone No.: 386-755-4038 Fax No. (Opt.) -
5. Surety Information
a) Name and address: -
b) Amount of Bond: -
c) Telephone No.: - Fax No. (Opt.) -
6. Lender
a) Name and address: -
b) Phone No.: -
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: -
b) Telephone No.: - Fax No. (Opt.) -
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name and address: -
b) Telephone No.: - Fax No. (Opt.) -
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): -

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Patricia M Johnson
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
Patricia M Johnson
Print Name

Inst:201112004621 Date:3/29/2011 Time:3:25 PM
DC,P,DeWitt Cason,Columbia County Page 1 of 1 B:1212 P:249

The foregoing instrument was acknowledged before me, a Florida Notary, this 25 day of March, 20 11, by:
Patricia M. Johnson as owner (type of authority, e.g. officer, trustee, attorney
fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature Vera Hicks Notary Stamp or Seal:



VERA LISA HICKS
MY COMMISSION # DD 984837
EXPIRES: August 23, 2014
Bonded Thru Budget Notary Services

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Patricia M Johnson
Signature of Natural Person Signing (in line #10 above.)

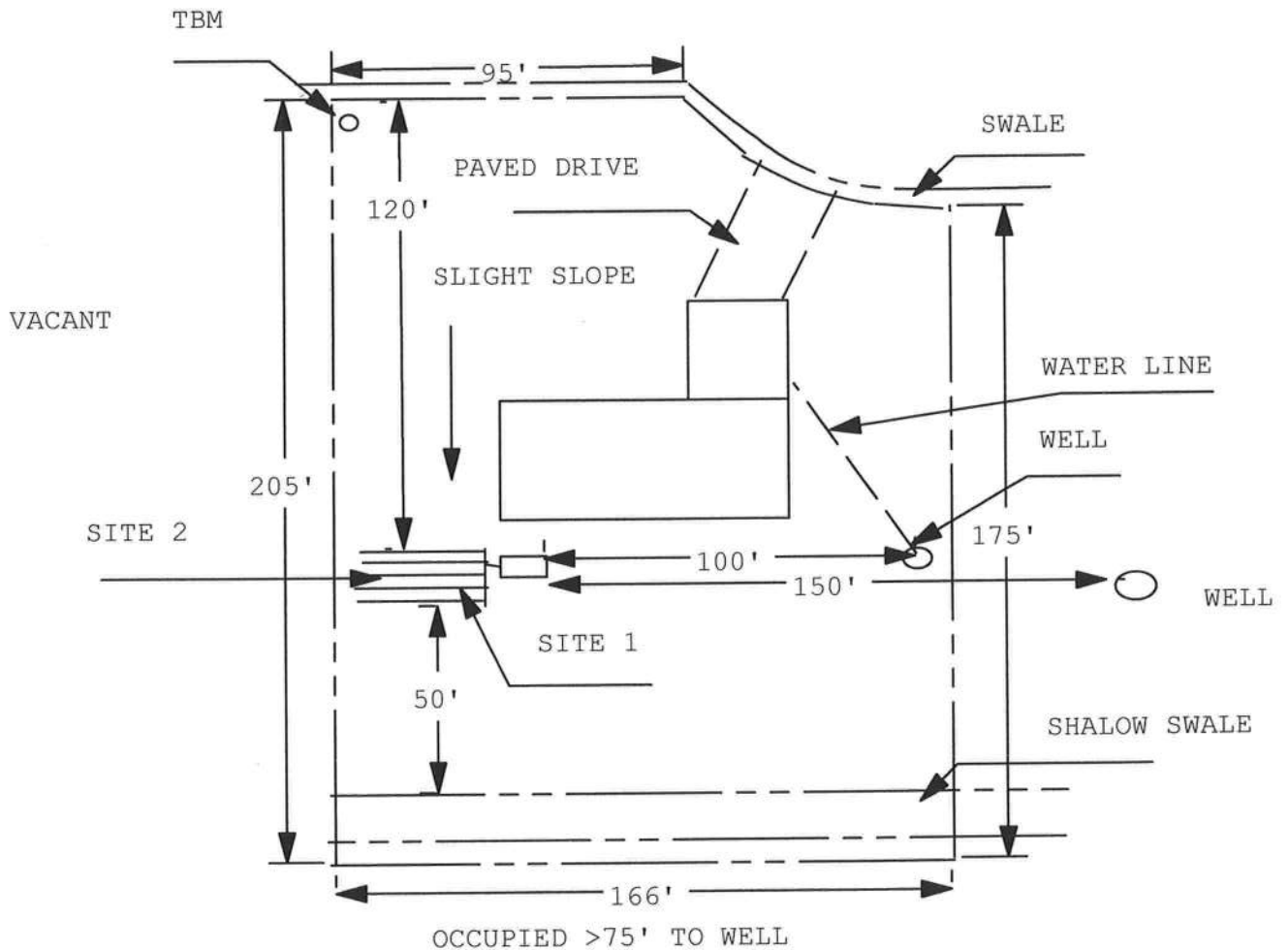
Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan

Permit Application Number: 11-0175

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CR# 10-5173

OCCUPIED >75' TO WELL



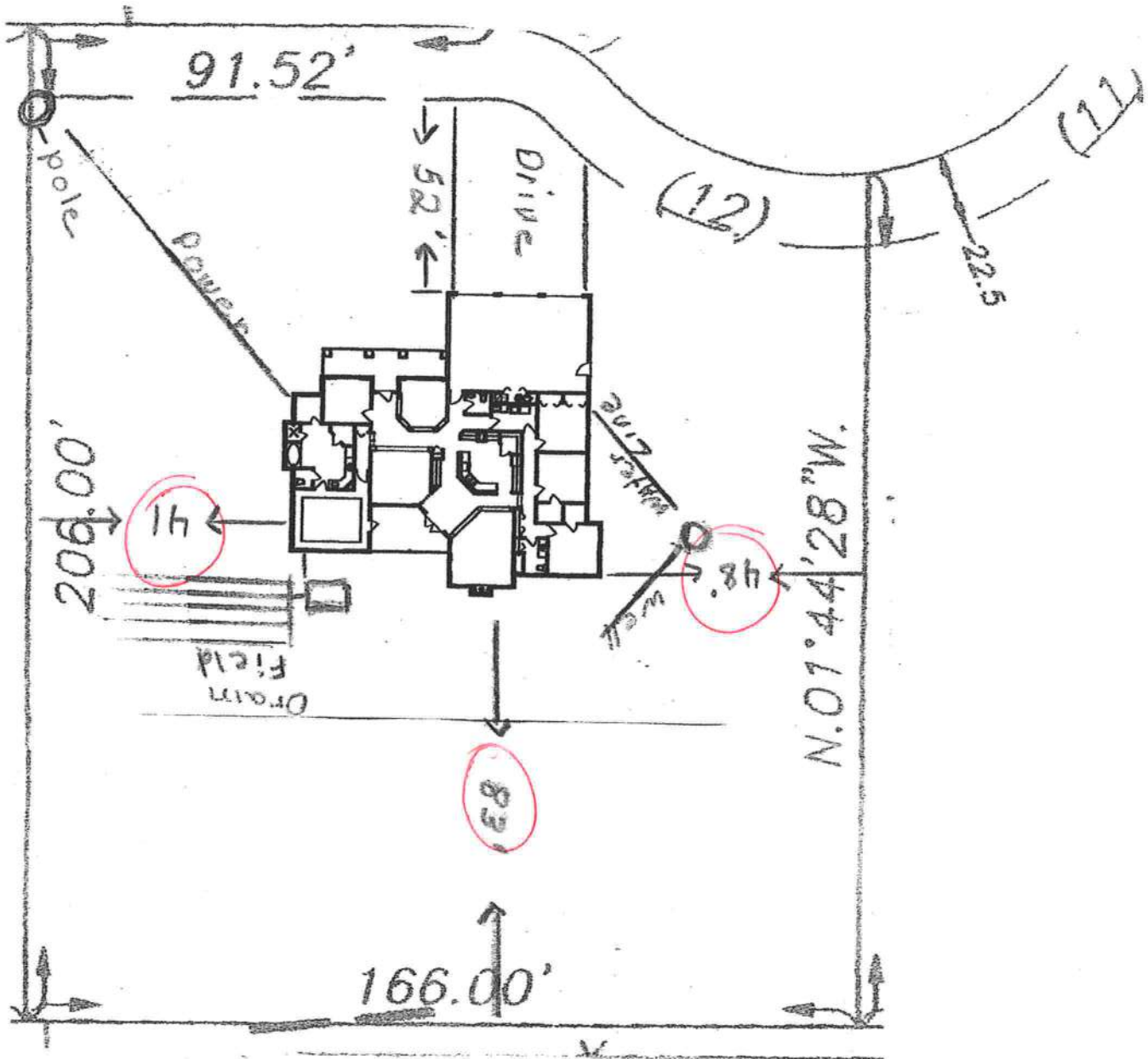
1 inch = 50 feet

Site Plan Submitted By Paul Rlyed Date 3-28-11

Plan Approved ☒ Not Approved ☐ Date 4-5-11

By Salhi Ford Env Health Director. Columbia CHD CPHU

Notes: _____



Columbia County Taxing Authorities135 NE Hernando Ave Suite 238
Lake City, FL 32055

2009 Real Estate Property

**NOTICE OF PROPOSED
PROPERTY TAXES
DO NOT PAY
THIS IS NOT A BILL****PARCEL ID: 10-4S-16-02853-416**

L 2836 2-6

99999**SINGLE-PIECE

✓
JOHNSON JOHN S & PATRICIA M
204 SW DUSTY GLN
LAKE CITY FL 32024-3768

The taxing authorities which levy property taxes against your property will soon hold **Public Hearings** to adopt budgets and tax rates for the next year.

The purpose of these **Public Hearings** is to receive opinions from the general public and to answer questions on the proposed tax change and budget **Prior To Taking Final Action**.

Each taxing authority may **Amend or Alter** its proposals at the hearing.

LOT 16 RUSSWOOD ESTATES UNIT 4
WD 1111-2014,

Taxing Authority	Your property taxes last year	Your taxes this year if proposed budget change is made	A public hearing on the proposed taxes and budget will be held:	Your taxes this year if no budget change is made
County 003	331.42	268.45	SEPT 10, 2009, 7:00PM, SCHOOL BOARD ADM BLDG, 372 W DUVAL ST	287.07
Public Schools:				
By State Law	219.32	182.45	SEPT 08, 2009, 7:00PM, SCHOOL BOARD ADM BLDG, 372 W DUVAL ST.	188.43
By Local Board	104.92	84.98		90.14
LSHA	84.67	73.26	SEPT 14, 2009 5:15 PM, 259 NE FRANKLIN ST SHANDS AT LAKE SHORE	73.26
CCIDA	5.21	4.22	SEPT 10, 2009, 7:00PM, SCHOOL BOARD ADM BLDG., 372 W DUVAL ST.	4.51
Water Management District				
SRWMD	18.48	14.97	SEPT 08, 2009, 5:30PM, SRWMD, US 90 & CR 49, LIVE OAK	15.99
Independent Special Districts • Voter Approved • Debt Payments				
Total Property Taxes	764.02	628.33		659.40
	COLUMN 1*	COLUMN 2*		COLUMN 3*

Your property value last year:	Market Value	Assessed Value	Exemptions	Taxable Value
	42,000	42,000		42,000
		34,020	County	34,020
Your property value this year:	34,020	34,020	School	34,020
			Other	34,020

• SEE REVERSE SIDE FOR EXPLANATIONS

• IF YOU FEEL THE MARKET VALUE OF YOUR PROPERTY IS INACCURATE OR DOES NOT REFLECT FAIR MARKET VALUE, OR IF YOU ARE ENTITLED TO AN EXEMPTION THAT IS NOT REFLECTED ABOVE, CONTACT YOUR COUNTY PROPERTY APPRAISER AT:

Courthouse Annex Suite 238 Lake City FL 32055 (386) 758-1010

• IF THE PROPERTY APPRAISER'S OFFICE IS UNABLE TO RESOLVE THE MATTER AS TO MARKET VALUE OR AN EXEMPTION, YOU MAY FILE A PETITION FOR ADJUSTMENT WITH THE VALUE ADJUSTMENT BOARD; PETITION FORMS ARE AVAILABLE FROM THE COUNTY PROPERTY APPRAISER AND MUST BE FILED ON OR BEFORE:

September 8, 2009

• YOUR FINAL TAX BILL MAY CONTAIN NON-AD VALOREM ASSESSMENTS WHICH MAY NOT BE REFLECTED ON THIS NOTICE SUCH AS ASSESSMENTS FOR ROADS, DRAINAGE, GARBAGE, FIRE, LIGHTING, WATER, SEWER, OR OTHER GOVERNMENTAL SERVICES AND FACILITIES WHICH MAY BE LEVIED BY YOUR COUNTY, CITY, OR ANY SPECIAL DISTRICT.

DR-474
R. 12/04

County Building Department

Culvert Waiver No.
000001883

BUILDING PERMIT NO. 29326

APPLICANT PATRICIA M. JOHNSON PHONE 386.755.4038

ADDRESS	204	SW DUSTY GLN	LAKE CITY	FL	32024
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OWNER JOHN & PATRICIA M. JOHNSON PHONE 386.755.4038

ADDRESS	212	SW DUSTY GLN	LAKE CITY	FL	32024
---------	-----	--------------	-----------	----	-------

CONTRACTOR PATRICIA M. JOHNSON PHONE 386.755.4038

LOCATION OF PROPERTY 90-W TO SR.247-S,TL TO TROY,TR TO RUSSWOOD EST,TR INTO RUSSWOOD
EST.,TO BETHANY,TL TO DOROTHY,TR TO SCOTT,TR AND IT'S 4TH LOT ON

SUBDIVISION/LOT/BLOCK/PHASE/UNIT	TRUSSWOOD ESTATES	16	4
----------------------------------	-------------------	----	---

PARCEL ID # 10-4S-16-02853-416

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Ra G Johnson

**A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC**

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

_____ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: Jim. MacCall DATE: 21 Apr 11

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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



SUBCONTRACTOR VERIFICATION FORM

NUMBER

29326

CONTRACTOR

Patricia Johnson

PHONE 386-755-4038

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

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

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

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING 1034 ✓	Print Name <u>Powell & Sons Roofing Inc</u> License #: <u>CC057307</u>	Signature <u>[Signature]</u> Phone #: <u>386-294-1755</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

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

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

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APPLICATION NUMBER

29326

CONTRACTOR

Patricia Johnson

PHONE 386-755-40

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL	001177	Joseph Ambros	Joseph V. Ambros
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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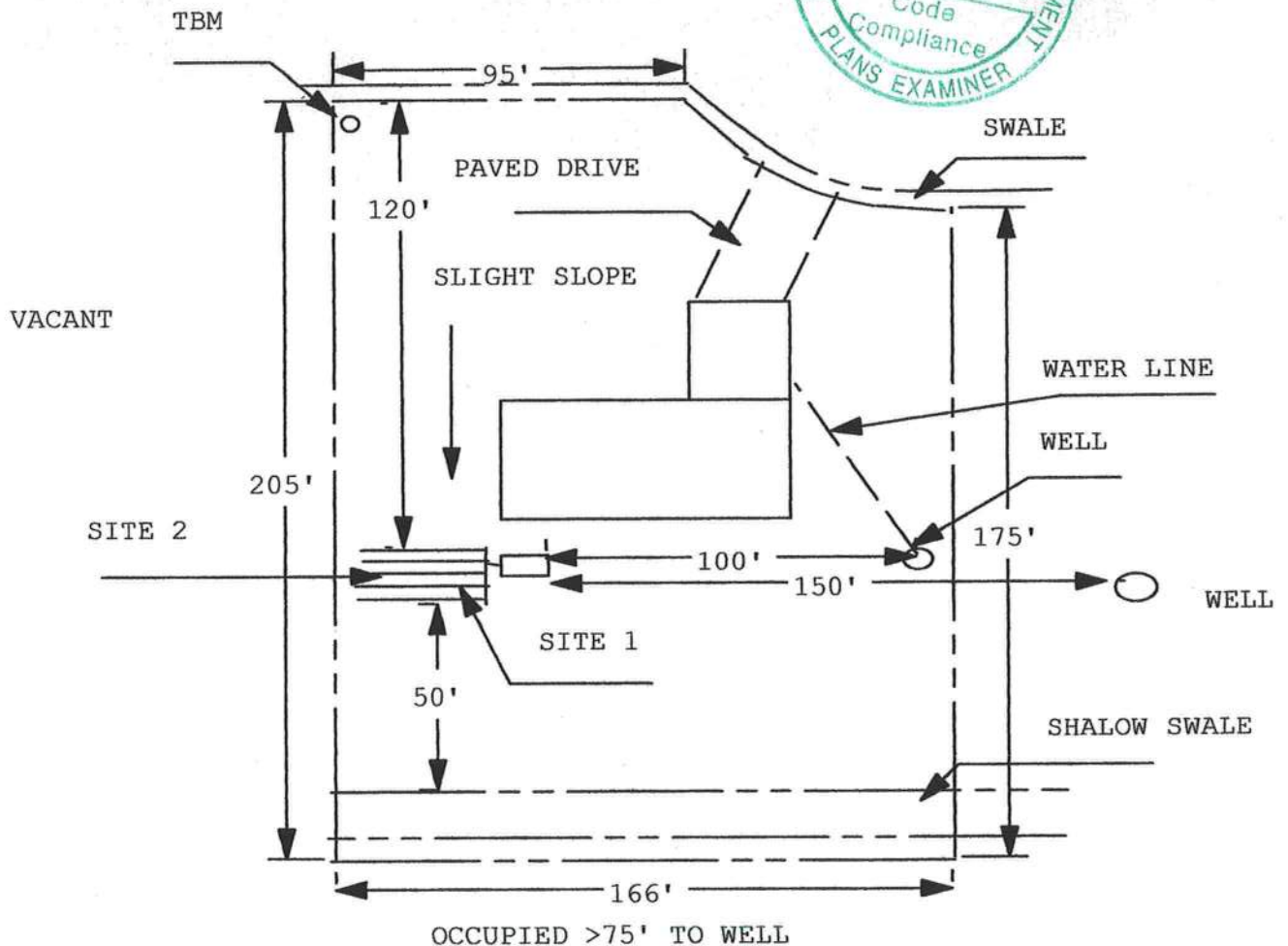
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CR# 10-5173

OCCUPIED >75' TO WELL

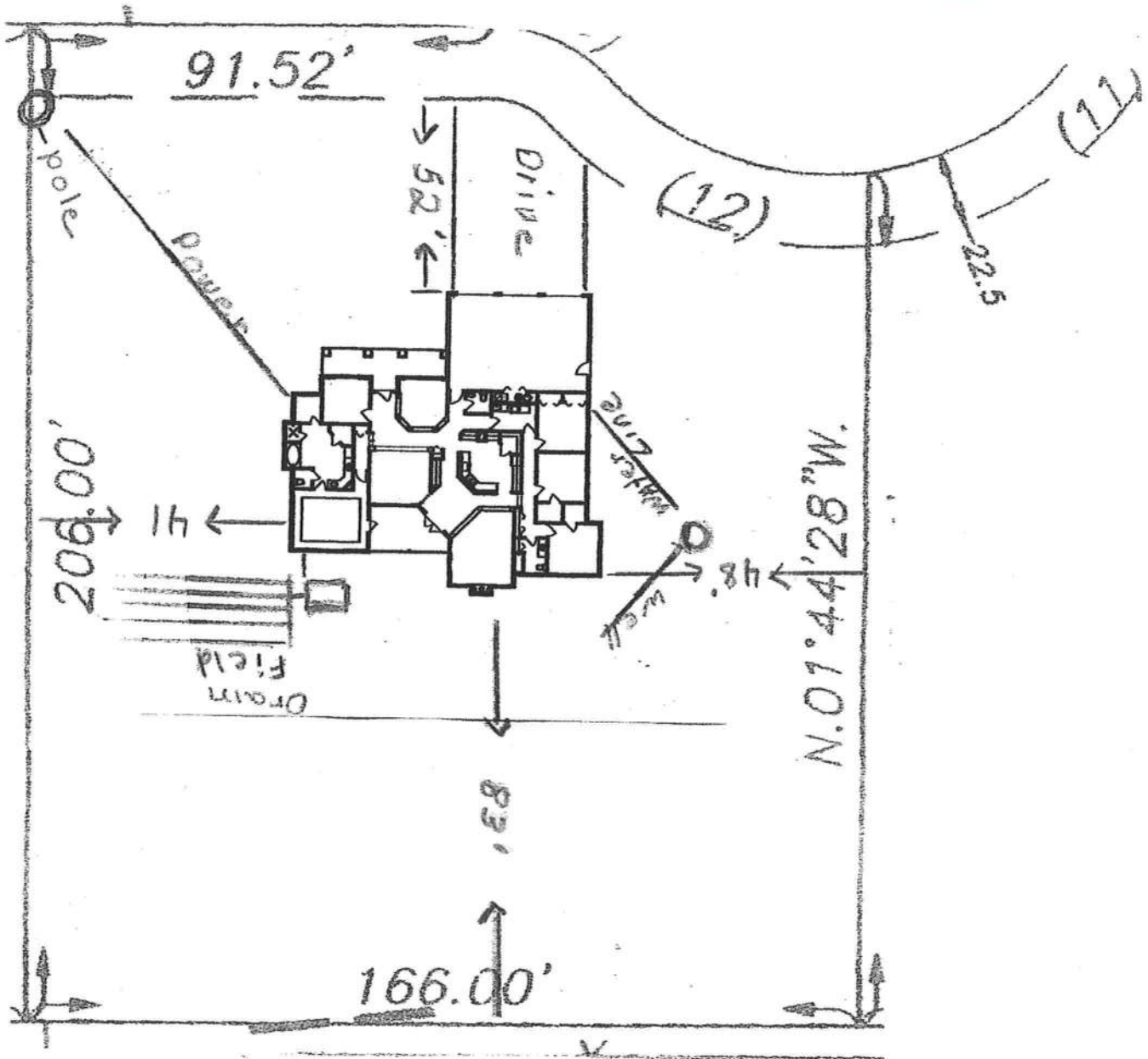


1 inch = 50 feet

Site Plan Submitted By Paul Rleyd Date 3-28-11
 Plan Approved ☒ Not Approved ☐ Date 4-5-11
 By Salhi Ford, Env Health Director. CPHU

Notes: _____

Columbia CHD



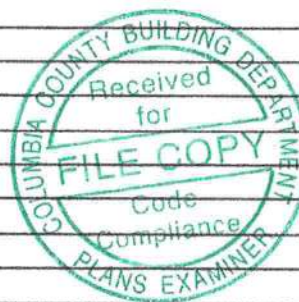
PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridapba.com.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242-R1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			FL 5108
2. Horizontal Slider			FL 5451
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-R2
2. Soffits			FL 4899
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			FL 3820-R1
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			FL 586-R2
2. Underlayments			FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			



Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			FL 1960 R1
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			FL 451 R
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			FL 474 R1
2. Truss plates			
3. Engineered lumber			FL 1008 R1
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

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

Patricia M Johnson
Contractor or Contractor's Authorized Agent Signature

Patricia M Johnson 4-8-11
Print Name Date

Location

Permit # (FOR STAFF USE ONLY)

02/02/04 – 2 of 2

Website:

Effective April 1, 2004

MI HOME PRODUCTS - PRIME ALUMINUM WINDOWS - INSTALLATION INSTRUCTIONS FOR "NAIL FIN" PRODUCTS

MI Home Products appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition - proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin.
2. Set unit plumb and square into opening and make sure that there is $3/16" \pm 1/16"$ clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit before any and all fasteners are set.
3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to 35, do not exceed 24" spacing of additional screws. For DPs from 35.1 to 50, do not exceed 18". Install load bearing shim adjacent to each anchor. Use shim where space exceeds $1/16"$.
4. Flash over head and caulk outside perimeter in accordance with code requirements and good installation practices.
5. Fill voids between frame and construction with loose batten type insulation or non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding aerosol type insulating foam, which can bow the frame, waives all stated warranties.
6. Remove plaster, mortar, paint and any other debris that may have collected on the unit and make sure that sash/vent tracks and interlocks are also clear. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent as you would your automobile.

CAUTION -

MI Home Products or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. MI Home Products window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing near doors, bathtubs, and shower enclosures. Also be aware of emergency egress code requirements.

Corporate Headquarters:
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300



TimberSaver PT is a borate based wood preservative applied to lumber and plywood using a pressure-treatment process, to provide permanent protection against wood destroying insects and decay fungi in interior applications. TimberSaver PT borate treated lumber and plywood is not suitable for applications exposed to the weather or in ground contact and must be protected from exposure to liquid water.

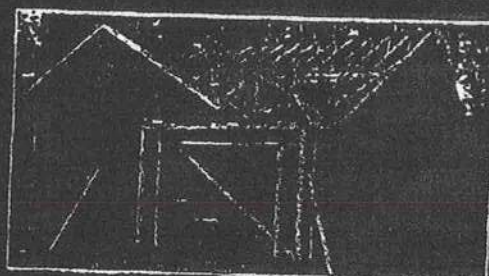
The active ingredient in TimberSaver PT, Disodium Octaborate Tetrahydrate or DOT, is the most widely accepted form of borates used for treatment of forest products. DOT is manufactured from naturally occurring boron, which is widely used in a variety of applications in agriculture, cleaning products and detergents, and in wood preservation.

Product Attributes

TimberSaver® PT

- Offers the most effective level of borate protection
- Provides permanent protection for dry interior applications
- Protects against fungal decay
- Protects against Formosan Termites and other wood destroying insects
- Non-corrosive to metal fasteners
- Non-toxic to humans and animals
- Does not adversely affect the strength properties of the treated lumber or plywood
- Is a colorless treatment and is also available with a dye to make job site product identification easier
- Is applied through a pressure-treatment process to optimize penetration of borate preservative
- Penetrates difficult-to-treat refractory species such as Spruce-Pine-Fir and Douglas-Fir*

* Incising is required for Coastal Douglas-Fir and Western Spruce-Pine-Fir as per AWP Standard Q31



Uses for

TimberSaver® PT

Applications for TimberSaver PT treated products include:

- Framing Lumber
- Studs
- Sill Plates
- Floor Joists
- Roof Rafters
- Trusses
- Plywood
- Interior Sheathing
- Furring Strips
- Flooring
- Moldings
- Interior Wood Trim

TimberSaver PT Protects Against These Wood Destroying Insects and Decay Causing Fungi.



- Formosan Termites*
- Subterranean Termites (*Coptotermes*, *Reticulitermes*, *Heterotermes*)
- Dampwood Termites (*Zootermopsis*)
- Drywood Termites (*Kaloterms*, *Incisitermes*)
- Carpenter Ants (*Componotus*)
- Powderpost Beetles (*Lyctidae*)
- Furniture Beetles (*Anobiidae*)
- Longhorn Beetles (*Cerambycidae*)
- Brown Rot Fungi
- White Rot Fungi
- Wet Rot Fungi

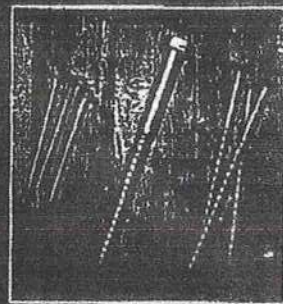
* Borate preservatives have been and continue to be a key weapon used in controlling Formosan Termites in Hawaii and other high-hazard areas throughout the world. TimberSaver PT borate-treated lumber and plywood is protected against this aggressive termite species when the higher 0.42 pcf (DOT) retention is specified.

Handling and Use

TimberSaver® PT

TimberSaver PT

borate treated wood can be sawn, nailed, drilled, stained and assembled using standard fastener systems typically used in general wood construction practices.



Lumber and plywood treated with TimberSaver PT must be protected from exposure to the weather while in transit and while being stored at retail yards and job sites. TimberSaver PT products should be stored out of ground contact; either indoors or wrapped in plastic to protect against exposure to liquid water.

With the exception of Southern Pine, all end cut surfaces and field cuts of any type must receive an application of TimberSaver solution by brushing, spraying, dipping, or flooding.

PROJECT NAME: AND ADDRESS:	1103078	BUILDER:	JOHNSON BUILDERS		
	LOT #16, RUSHWOOD LAKE CITY, FL	PERMITTING OFFICE:	CLIMATE ZONE: 1 ☐ 2 ☐ 3 ☐		
OWNER:	SPEC HOME	PERMIT NO.:	☐	☐	JURISDICTION NO.:

1. New construction or addition
2. Single-family detached or Multiple-family attached
3. If Multiple-family-No. of units covered by this submission
4. Is this a worst case? (yes/no)
5. Conditioned floor area (sq. ft.)
6. Predominant eave overhang (ft.)
7. Glass type¹ and area: (Label required by 13-104.4.5 if not default)
 - a. U-factor: (or Single- or Double-Pane DEFAULT)
 - b. SHGC: (or Clear or Tint DEFAULT)
8. Floor type and insulation:
 - a. Slab-on-grade (R-value + perimeter)
 - b. Wood, raised (R-value + sq. ft.)
 - c. Concrete, raised (R-value)
9. Net wall type, area and insulation:
 - a. Exterior:
 1. Concrete block (Insulation R-value)
 2. Wood frame (Insulation R-value)
 3. Steel frame (Insulation R-value)
 4. Log (Insulation R-value)
 5. Other: BLOCK FRAME, WOOD FRAME
 - b. Adjacent:
 1. Concrete block (Insulation R-value)
 2. Wood frame (Insulation R-value)
 3. Steel frame (Insulation R-value)
 4. Log (Insulation R-value)
10. Ceiling type, area and insulation:
 - a. Under attic (Insulation R-value)
 - b. Single assembly (Insulation R-value)
 - c. Radiant barrier, IRCC or white roof installed?
11. Air distribution system:
 - a. Ducts (Insulation + Location)
 - b. Air Handler (Location)
12. Cooling system:
(Types: central-split, central-single pkg., room unit, PTAC, gas, none)
13. Heating system:
(Types: heat pump, elec. strip, nat. gas, LP gas, gas h.p., room or PTAC, none)
14. Hot water system:
(Types: elec., natural gas, solar, LP gas, none)
15. Hot water credits
 - a. Heat Recovery (HR)
 - b. Dedicated Heat Pump (DHP)
 - c. Solar
16. HVAC Credits
(Use: CF-ceiling fan, CV-cross vent, PT-programmable thermostat, HF-whole house fan, MZ-Multizone)
17. COMPLIANCE STATUS: (PASS if As-Built Pts. are less than Base Pts.)
 - a. Total As-Built points
 - b. Total Base points



Please Type	CK
1. <u>NEW</u>	
2. <u>SINGLE-FAM.</u>	
3. _____	
4. <u>YES</u>	
5. <u>3034</u> sq. ft.	
6. <u>1.5'</u> ft.	
Description Area	
7a. <u>DOUBLE, 0.87</u> 505.1 sq. ft.	
7b. <u>SHGC, 0.35</u> sq. ft.	
8a. R = <u>0</u> , <u>284</u> l. ft.	
8b. R = _____, _____ sq. ft.	
8c. R = _____, _____ sq. ft.	
9a-1 R = _____, _____ sq. ft.	
9a-2 R = _____, _____ sq. ft.	
9a-3 R = _____, _____ sq. ft.	
9a-4 R = <u>13</u> , <u>1783</u> sq. ft.	
9b-1 R = _____, _____ sq. ft.	
9b-2 R = <u>13</u> , <u>295</u> sq. ft.	
9b-3 R = _____, _____ sq. ft.	
9b-4 R = _____, _____ sq. ft.	
10a. <u>R=30</u> 3264 sq. ft.	
10b. _____ sq. ft.	
10c. _____	
11a. R = <u>6</u> , <u>UNCOND</u> (cond, uncond)	
11b. R = _____, <u>UNCOND</u> (cond, uncond)	
12a. Type: <u>CENTRAL UNIT</u>	
12b. SEER/EER/COP: <u>13</u>	
12c. Capacity: <u>58 KBTUH</u>	
13a. Type: <u>ELEC HEAT PUMP</u>	
13b. HSPF/COP/AFUE: <u>7.80</u>	
13c. Capacity: <u>58 KBTUH</u>	
14a. Type: <u>ELEC</u>	
14b. EF: <u>0.93</u>	
15a. _____	
15b. _____	
15c. _____	
16. _____	
17. <u>PASS</u>	
17a. _____ 17b. _____	

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

PREPARED BY: EVAN BEAMSEY DATE: 4/4/11

I hereby certify that this building is in compliance with the Florida Energy Code:

OWNER AGENT: _____ DATE: _____

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: _____

DATE: _____

¹ Predominant glass type. For actual glass type and areas, see summer and winter glass output on Pages 2 and 4.

6A-1 SUMMER OVERHANG FACTORS (SOF) FOR SINGLE-AND DOUBLE-PANE GLASS

SELECT BY OR	OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
	North	1.00	0.993	0.971	0.930	0.888	0.842	0.803	0.766	0.736	0.681	0.634	0.593
	Northeast	1.00	0.996	0.967	0.907	0.845	0.775	0.717	0.662	0.619	0.545	0.487	0.441
	East	1.00	0.994	0.963	0.898	0.827	0.745	0.675	0.609	0.558	0.470	0.405	0.357
	Southeast	1.00	0.998	0.952	0.864	0.777	0.689	0.623	0.566	0.525	0.459	0.413	0.379
	South	1.00	0.989	0.931	0.835	0.751	0.675	0.620	0.575	0.543	0.493	0.458	0.432
	Southwest	1.00	0.998	0.953	0.866	0.779	0.691	0.623	0.565	0.522	0.453	0.404	0.368
	West	1.00	0.994	0.963	0.899	0.828	0.748	0.681	0.617	0.569	0.485	0.422	0.375
	Northwest	1.00	0.996	0.968	0.913	0.858	0.797	0.748	0.702	0.667	0.605	0.556	0.516
	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-2 WALL SUMMER POINT MULTIPLIERS (SPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
									R-VALUE	WOOD FR	R-VALUE	BLOCK			
									0-6.9	2.4	0-2.9	1.0			
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	.6	3-6.9	.6	R-VALUE	EXT	EXT
0-6.9	5.5	2.2	7.6	2.8	0-2.9	2.2	1.1	2.2	11-18.9	.4	7-9.9	.4	0-2.9	1.5	1.0
7-10.9	2.1	.8	3.5	1.3	3-4.9	1.3	.8	.8	19-25.9	.2	10 & UP	.2	3-6.9	1.0	.7
11-12.9	1.7	.7	2.7	1.0	5-6.9	1.0	.7	.5	26 & UP	.1			7 & UP	.8	.6
13-18.9	1.5	.6	2.5	0.9	7-10.9	.7	.5	.3							
19-25.9	.9	.4	2.2	0.8	11-18.9	.4	.4	0							
26 & UP	.6	.2	1.2	0.4	19-25.9	.2	.2								
					26 & UP	.1	.1								

6A-10 WINTER OVERHANG FACTORS (WOF)

SELECT BY OR	OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
	North	1.00	1.000	1.001	1.003	1.005	1.009	1.011	1.014	1.016	1.021	1.024	1.027
	Northeast	1.00	0.998	1.001	1.008	1.015	1.023	1.029	1.035	1.040	1.049	1.056	1.061
	East	1.00	1.007	1.018	1.040	1.089	1.109	1.150	1.198	1.242	1.338	1.429	1.507
	Southeast	1.00	1.014	1.043	1.111	1.202	1.332	1.472	1.635	1.787	2.113	2.412	2.650
	South	1.00	0.994	1.032	1.142	1.308	1.563	1.845	2.175	2.471	3.042	3.450	3.661
	Southwest	1.00	1.006	1.025	1.070	1.131	1.217	1.308	1.413	1.508	1.708	1.888	2.031
	West	1.00	1.002	1.010	1.027	1.049	1.077	1.102	1.128	1.149	1.187	1.217	1.238
	Northwest	1.00	0.999	1.000	1.004	1.008	1.012	1.016	1.019	1.022	1.028	1.032	1.036
	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-11 WALL WINTER POINT MULTIPLIERS (WPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
									R-VALUE	WOOD FR	R-VALUE	BLOCK			
									0-6.9	12.6	0-2.9	7.9			
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	4.2	3-6.9	5.7	R-VALUE	EXT	8 INCH
0-6.9	11.1	10.4	15.1	13.1	0-2.9	11.2	6.8	11.2	11-18.9	3.5	7-9.9	3.8	0-2.9	4.5	3.0
7-10.9	4.4	4.4	7.3	6.6	3-4.9	7.3	5.1	5.6	19-25.9	2.2	10 & UP	3.0	3-6.9	2.8	2.2
11-12.9	3.7	3.6	5.7	5.2	5-6.9	5.7	4.2	4.3	26 & UP	1.4			7 & UP	2.1	1.7
13-18.9	3.4	3.3	5.2	4.9	7-10.9	4.6	3.5	3.3							
19-25.9	2.2	2.2	4.6	4.4	11-18.9	3.0	2.6	2.2							
26 & Up	1.5	1.5	2.7	2.6	19-25.9	1.9	1.7								
					26 & UP	1.3	1.2								

6A-19 COOLING CREDIT MULTIPLIERS

SYSTEM TYPE	Cooling credit multipliers (CCM)
Ceiling Fans	.95*
Cross Ventilation	.95*
Whole House Fan	.95*
Multizone	.95
Programmable Thermostat	.95

*Credit may be taken for only one system type concurrently.

6A-20 AIR DISTRIBUTION SYSTEM CREDIT MULTIPLIERS

TYPE CREDIT	Prescriptive requirements	Multiplier
Air-tight Duct Credit ¹	Appx G-C5.2.2.1.1	1.00
Factory-sealed AHU Credit ²	Appx G-C5.2.2.1.2	0.95

¹Duct Sealing Multiplier (DSM) shall be 1.15 (summer) or 1.17 (winter) unless Air-tight Duct Credit is demonstrated by test report.

²Multiply Factory-sealed AHU credit by summer (Table 6A-7) or winter (Table 6A-16) AHU multiplier. Insert total in the "As-Built AHU" box on page 2 or 4.

6A-21 HEATING CREDIT MULTIPLIERS (HCM)

SYSTEM TYPE	HEATING CREDIT MULTIPLIERS (HCM)	
Programmable Thermostat	HCM	.95
Multizone	HCM	.95

6A-22 HOT WATER MULTIPLIERS (HWM)

SYSTEM TYPE									
Electric Resistance	EF	.80-.81	.82-.83	.84-.85	.86-.87	.88-.90	.91-.93	.94-.96	.97 & Up
	HWM	3020	2946	2876	2809	2746	2655	2571	2491
Gas Water Heating	EF	.54	.55	.56	.57	.58	.59	.60	.61
	HWM	3020	2946	2876	2809	2746	2655	2571	2491
	EF	.62-.63	.64-.65	.66-.70	.71-.75	.76-.80	.81-.83	.84-.86	.87 & Up
	HWM	2346	2217	2101	1738	1456	1196	1055	933

6A-23 HOT WATER CREDIT MULTIPLIERS (HWCN)

SYSTEM TYPE		HOT WATER CREDIT MULTIPLIERS (HWCN)					
Heat Recovery Unit	With	Air Conditioner			Heat Pump		
	HWCN	.84			.78		
Add-on Dedicated Heat Pump (without tank)	EF	2.0-2.49	2.5-2.99	3.0-3.49	3.5 & Up		
	HWCN	.44	.35	.29	.25		
Add-on Solar Water Heater (without tank)	EF	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	5.0 & Up	
	HWCN	.84	.42	.28	.21	.17	

NOTE: An HWM must be used in conjunction with all HWCN. See Table 6A-22. EF Means Energy Factor.

6A-24 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Max: 3 cfm/sq. ft. window area; .5cfm/sq. ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; CFM utility penetrations; between wall panels & top/bottom plates; between walls & floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joist members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2.3	Seal: 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	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with <2.0 cfm from conditioned space, tested.	
Multiple Story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-25 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.AB.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower Heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section N1110. Ducts in unconditioned attics: R-6 minimum insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings—Min. R-19. Common walls—Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ESTIMATED ENERGY PERFORMANCE INDEX* =
The lower the Energy Performance Index, the more efficient the home.

1. New Home or addition	<u>NEW</u>	11. Ducts, Location & Insulation Level	
2. Single family or multiple family	<u>SINGLE</u>	a. Supply ducts: <u>ATTIC</u>	R= <u>6</u>
3. Number of units, (if multi-family)		b. Return ducts: <u>ATTIC</u>	R= <u>6</u>
4. Number of bedrooms	<u>4</u>	12. Cooling systems	Capacity: <u>58 KBTUH</u>
5. Is this a worst case? (yes or no)	<u>YES</u>	a. Split system	SEER: <u>13</u>
6. Conditioned floor area	<u>3034</u> sq. ft.	b. Single package	SEER: _____
7. Glass type & area		c. Ground/water source	COP: _____
a. U-Factor: <u>.87</u>	<u>505.1</u> sq. ft.	d. Room unit	EER: _____
(Or single or double Default)	sq. ft.	e. PTAC	EER: _____
b. SHGC: <u>.35</u>	sq. ft.	f. Gas-driven	COP: _____
(Or clear or tint Default)	sq. ft.	13. Heating Systems	Capacity: <u>58 KBTUH</u>
8. Floor types, Insulation level		a. Split system heat pump	HSPE: <u>13</u>
a. Slab-on-grade, edge insulation	R= <u>0</u>	b. Single package heat pump	HSPE: _____
b. Wood, raised	R= _____	c. Electric resistance	COP: _____
c. Concrete, raised	R= _____	d. Gas furnace, natural gas	AFUE: _____
9. Wall types, Insulation level		e. Gas furnace, LPG	AFUE: _____
Exterior		f. Gas-driven heat pump	Recov. EFF.: _____
a. Wood frame	R= _____	14. Water heating systems	
b. Metal frame	R= _____	a. Electric resistance	EF: <u>.93</u>
c. Concrete block	R= _____	b. Gas fired, natural gas	EF: _____
d. Log	R= _____	c. Gas fired, LPG	EF: _____
e. Other <u>BRICK FACE WOOD</u>	R= <u>12.13</u>	d. Solar System with tank	EF: _____
Adjacent		e. Dedicated heat pump with tank	EF: _____
a. Wood frame	R= <u>12.13</u>	f. Heat recovery unit	HeatRec% _____
b. Metal frame	R= _____	g. Other: _____	
c. Concrete block	R= _____	15. HVAC credits claimed (Alternate Point System Method only)	
d. Log	R= _____	a. Ceiling fans	_____
e. Other _____	R= _____	b. Cross ventilation	_____
10. Ceiling types, Insulation level		c. Whole house fan	_____
a. Under attic	R= <u>30</u>	d. Multizone cooling credit	_____
b. Single assembly	R= _____	e. Multizone heating credit	_____
c. Knee walls/skylight walls	R= _____	f. Programmable thermostat	_____
d. Radiant barrier, installed	R= _____		

certify that this home has complied with the Florida Energy Efficiency Code For Building 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 _____

Residential System Sizing Calculation

Summary

Spec House
Lake City, FL

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

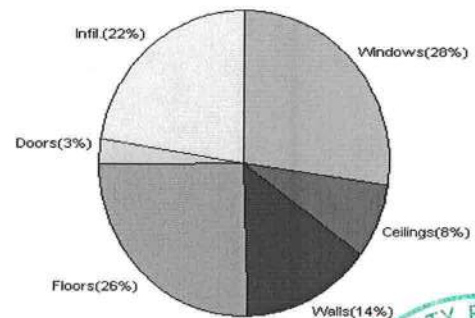
4/4/2011

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	48548	Btuh	Total cooling load calculation	36945	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.5	58000	Sensible (SHR = 0.75)	143.3	43500
Heat Pump + Auxiliary(0.0kW)	119.5	58000	Latent	220.0	14500
			Total (Electric Heat Pump)	157.0	58000

WINTER CALCULATIONS

Winter Heating Load (for 3034 sqft)

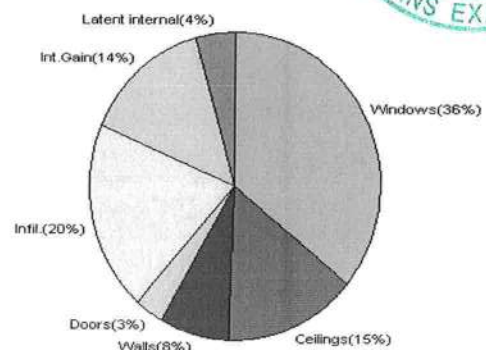
Load component		Load
Window total	415 sqft	13362 Btuh
Wall total	2078 sqft	6824 Btuh
Door total	110 sqft	1425 Btuh
Ceiling total	3264 sqft	3846 Btuh
Floor total	284 sqft	12399 Btuh
Infiltration	264 cfm	10692 Btuh
Duct loss		0 Btuh
Subtotal		48548 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		48548 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3034 sqft)

Load component		Load
Window total	415 sqft	13260 Btuh
Wall total	2078 sqft	2831 Btuh
Door total	110 sqft	1078 Btuh
Ceiling total	3264 sqft	5405 Btuh
Floor total		0 Btuh
Infiltration	137 cfm	2541 Btuh
Internal gain		5240 Btuh
Duct gain		0 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		30355 Btuh
Latent gain(ducts)		0 Btuh
Latent gain(infiltration)		4990 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		1600 Btuh
Total latent gain		6590 Btuh
TOTAL HEAT GAIN		36945 Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 4/4/11

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

4/4/2011

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=
1	2, SHGC=0.35, Metal, 0.87	NW	15.0		32.2
2	2, SHGC=0.35, Metal, 0.87	NW	8.0		32.2
3	2, SHGC=0.35, Metal, 0.87	NW	36.0		32.2
4	2, SHGC=0.35, Metal, 0.87	NW	54.0		32.2
5	2, SHGC=0.35, Metal, 0.87	NW	36.0		32.2
6	2, SHGC=0.35, Metal, 0.87	NE	36.0		32.2
7	2, SHGC=0.35, Metal, 0.87	NE	16.0		32.2
8	2, SHGC=0.35, Metal, 0.87	N	20.0		32.2
9	2, SHGC=0.35, Metal, 0.87	SE	90.0		32.2
10	2, SHGC=0.35, Metal, 0.87	SE	22.5		32.2
11	2, SHGC=0.35, Metal, 0.87	SE	13.3		32.2
12	2, SHGC=0.35, Metal, 0.87	SE	8.3		32.2
13	2, SHGC=0.35, Metal, 0.87	SW	10.0		32.2
14	2, SHGC=0.35, Metal, 0.87	SW	30.0		32.2
15	2, SHGC=0.35, Metal, 0.87	SW	20.0		32.2
Window Total			415(sqft)		
13362 Btuh					
Walls	Type	R-Value	Area	X	HTM=
1	Face Brick - Wood - Ext(0.09)	13.0	1783		3.3
2	Frame - Wood - Ext(0.09)	13.0	295		3.3
Wall Total			2078		
6824 Btuh					
Doors	Type		Area	X	HTM=
1	Insulated - Adjacent		40		12.9
2	Insulated - Adjacent		20		12.9
3	Insulated - Exterior		20		12.9
4	Insulated - Exterior		10		12.9
5	Insulated - Exterior		20		12.9
Door Total			110		
1425Btuh					
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=
1	Vented Attic/D/Shin)	30.0	3264		1.2
Ceiling Total			3264		
3846Btuh					
Floors	Type	R-Value	Size	X	HTM=
1	Slab On Grade	0	284.0	ft(p)	43.7
Floor Total			284		
12399 Btuh					
Zone Envelope Subtotal:					37856 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.58	27306	264.0	10692 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				48548 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
Lake City, FL

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

4/4/2011

WHOLE HOUSE TOTALS

	Subtotal Sensible	48548 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	48548 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

4/4/2011

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, SHGC=0.35, Metal, 0.87	NW	15.0		32.2	483 Btuh
2	2, SHGC=0.35, Metal, 0.87	NW	8.0		32.2	258 Btuh
3	2, SHGC=0.35, Metal, 0.87	NW	36.0		32.2	1159 Btuh
4	2, SHGC=0.35, Metal, 0.87	NW	54.0		32.2	1738 Btuh
5	2, SHGC=0.35, Metal, 0.87	NW	36.0		32.2	1159 Btuh
6	2, SHGC=0.35, Metal, 0.87	NE	36.0		32.2	1159 Btuh
7	2, SHGC=0.35, Metal, 0.87	NE	16.0		32.2	515 Btuh
8	2, SHGC=0.35, Metal, 0.87	N	20.0		32.2	644 Btuh
9	2, SHGC=0.35, Metal, 0.87	SE	90.0		32.2	2897 Btuh
10	2, SHGC=0.35, Metal, 0.87	SE	22.5		32.2	724 Btuh
11	2, SHGC=0.35, Metal, 0.87	SE	13.3		32.2	428 Btuh
12	2, SHGC=0.35, Metal, 0.87	SE	8.3		32.2	267 Btuh
13	2, SHGC=0.35, Metal, 0.87	SW	10.0		32.2	322 Btuh
14	2, SHGC=0.35, Metal, 0.87	SW	30.0		32.2	966 Btuh
15	2, SHGC=0.35, Metal, 0.87	SW	20.0		32.2	644 Btuh
Window Total			415(sqft)			13362 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	1783		3.3	5855 Btuh
2	Frame - Wood - Ext(0.09)	13.0	295		3.3	969 Btuh
Wall Total			2078			6824 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		40		12.9	518 Btuh
2	Insulated - Adjacent		20		12.9	259 Btuh
3	Insulated - Exterior		20		12.9	259 Btuh
4	Insulated - Exterior		10		12.9	130 Btuh
5	Insulated - Exterior		20		12.9	259 Btuh
Door Total			110			1425Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3264		1.2	3846 Btuh
Ceiling Total			3264			3846Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	284.0	ft(p)	43.7	12399 Btuh
Floor Total			284			12399 Btuh
Zone Envelope Subtotal:						37856 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		Load
	Natural	0.58	27306	264.0		10692 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					48548 Btuh

EnergyGauge® FLR2PB v4.1

Page 1

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
Lake City, FL

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

4/4/2011

WHOLE HOUSE TOTALS

	Subtotal Sensible	48548 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	48548 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

4/4/2011

Component Loads for Whole House

Window	Type*	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.35, 0.87, None,N,N NW	1.5ft	7ft.	15.0	0.0	15.0	22	38	576	Btuh
2	2, SHGC=0.35, 0.87, None,N,N NW	1.5ft	6ft.	8.0	0.0	8.0	22	38	307	Btuh
3	2, SHGC=0.35, 0.87, None,N,N NW	1.5ft	8ft.	36.0	0.0	36.0	22	38	1383	Btuh
4	2, SHGC=0.35, 0.87, None,N,N NW	13ft.	8ft.	54.0	0.0	54.0	22	38	2075	Btuh
5	2, SHGC=0.35, 0.87, None,N,N NW	1.5ft	8ft.	36.0	0.0	36.0	22	38	1383	Btuh
6	2, SHGC=0.35, 0.87, None,N,N NE	1.5ft	8ft.	36.0	0.0	36.0	22	38	1383	Btuh
7	2, SHGC=0.35, 0.87, None,N,N NE	1.5ft	6ft.	16.0	0.0	16.0	22	38	615	Btuh
8	2, SHGC=0.35, 0.87, None,N,N N	12ft.	9ft.	20.0	0.0	20.0	22	22	444	Btuh
9	2, SHGC=0.35, 0.87, None,N,N SE	8.5ft	8ft.	90.0	90.0	0.0	22	40	1997	Btuh
10	2, SHGC=0.35, 0.87, None,N,N SE	8.5ft	3ft.	22.5	22.5	0.0	22	40	499	Btuh
11	2, SHGC=0.35, 0.87, None,N,N SE	12ft.	10ft.	13.3	13.3	0.0	22	40	295	Btuh
12	2, SHGC=0.35, 0.87, None,N,N SE	12ft.	3ft.	8.3	8.3	0.0	22	40	184	Btuh
13	2, SHGC=0.35, 0.87, None,N,N SW	99ft.	9ft.	10.0	10.0	0.0	22	40	222	Btuh
14	2, SHGC=0.35, 0.87, None,N,N SW	1.5ft	7ft.	30.0	3.1	26.9	22	40	1137	Btuh
15	2, SHGC=0.35, 0.87, None,N,N SW	1.5ft	7ft.	20.0	2.1	17.9	22	40	758	Btuh
	Window Total			415 (sqft)					13260 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load	
1	Face Brick - Wood - Ext	13.0/0.09		1782.9			1.2		2215 Btuh	
2	Frame - Wood - Ext	13.0/0.09		295.0			2.1		615 Btuh	
	Wall Total				2078 (sqft)					2831 Btuh
Doors	Type				Area (sqft)		HTM		Load	
1	Insulated - Adjacent				40.0		9.8		392 Btuh	
2	Insulated - Adjacent				20.0		9.8		196 Btuh	
3	Insulated - Exterior				20.0		9.8		196 Btuh	
4	Insulated - Exterior				10.0		9.8		98 Btuh	
5	Insulated - Exterior				20.0		9.8		196 Btuh	
	Door Total				110 (sqft)				1078 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0		3264.0			1.7		5405 Btuh	
	Ceiling Total				3264 (sqft)					5405 Btuh
Floors	Type	R-Value		Size			HTM		Load	
1	Slab On Grade	0.0		284 (ft(p))			0.0		0 Btuh	
	Floor Total				284.0 (sqft)					0 Btuh
	Zone Envelope Subtotal:									22575 Btuh
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural	0.30		27306			136.5		2541 Btuh	
Internal gain	Occupants		Btuh/occupant		Appliance				Load	
	8		X 230 +		3400				5240 Btuh	
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)						DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									30355 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
Lake City, FL

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

4/4/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	30355 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	30355 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	30355 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4990 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6590 Btuh
	TOTAL GAIN	36945 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

4/4/2011

Component Loads for Zone #1: Main

Window	Type*	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, SHGC=0.35, 0.87, None,N,N NW	1.5ft	7ft.	15.0	0.0	15.0	22	38	576	Btuh	
2	2, SHGC=0.35, 0.87, None,N,N NW	1.5ft	6ft.	8.0	0.0	8.0	22	38	307	Btuh	
3	2, SHGC=0.35, 0.87, None,N,N NW	1.5ft	8ft.	36.0	0.0	36.0	22	38	1383	Btuh	
4	2, SHGC=0.35, 0.87, None,N,N NW	13ft.	8ft.	54.0	0.0	54.0	22	38	2075	Btuh	
5	2, SHGC=0.35, 0.87, None,N,N NW	1.5ft	8ft.	36.0	0.0	36.0	22	38	1383	Btuh	
6	2, SHGC=0.35, 0.87, None,N,N NE	1.5ft	8ft.	36.0	0.0	36.0	22	38	1383	Btuh	
7	2, SHGC=0.35, 0.87, None,N,N NE	1.5ft	6ft.	16.0	0.0	16.0	22	38	615	Btuh	
8	2, SHGC=0.35, 0.87, None,N,N N	12ft.	9ft.	20.0	0.0	20.0	22	22	444	Btuh	
9	2, SHGC=0.35, 0.87, None,N,N SE	8.5ft	8ft.	90.0	90.0	0.0	22	40	1997	Btuh	
10	2, SHGC=0.35, 0.87, None,N,N SE	8.5ft	3ft.	22.5	22.5	0.0	22	40	499	Btuh	
11	2, SHGC=0.35, 0.87, None,N,N SE	12ft.	10ft.	13.3	13.3	0.0	22	40	295	Btuh	
12	2, SHGC=0.35, 0.87, None,N,N SE	12ft.	3ft.	8.3	8.3	0.0	22	40	184	Btuh	
13	2, SHGC=0.35, 0.87, None,N,N SW	99ft.	9ft.	10.0	10.0	0.0	22	40	222	Btuh	
14	2, SHGC=0.35, 0.87, None,N,N SW	1.5ft	7ft.	30.0	3.1	26.9	22	40	1137	Btuh	
15	2, SHGC=0.35, 0.87, None,N,N SW	1.5ft	7ft.	20.0	2.1	17.9	22	40	758	Btuh	
	Window Total			415 (sqft)					13260 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
1	Face Brick - Wood - Ext	13.0/0.09		1782.9			1.2		2215 Btuh		
2	Frame - Wood - Ext	13.0/0.09		295.0			2.1		615 Btuh		
	Wall Total			2078 (sqft)					2831 Btuh		
Doors	Type			Area (sqft)			HTM		Load		
1	Insulated - Adjacent			40.0			9.8		392 Btuh		
2	Insulated - Adjacent			20.0			9.8		196 Btuh		
3	Insulated - Exterior			20.0			9.8		196 Btuh		
4	Insulated - Exterior			10.0			9.8		98 Btuh		
5	Insulated - Exterior			20.0			9.8		196 Btuh		
	Door Total			110 (sqft)					1078 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0		3264.0			1.7		5405 Btuh		
	Ceiling Total			3264 (sqft)					5405 Btuh		
Floors	Type	R-Value		Size			HTM		Load		
1	Slab On Grade	0.0		284 (ft(p))			0.0		0 Btuh		
	Floor Total			284.0 (sqft)					0 Btuh		
	Zone Envelope Subtotal:									22575 Btuh	
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural	0.30		27306			136.5		2541 Btuh		
Internal gain	Occupants		Btuh/occupant		Appliance		Load				
	8		X 230 +		3400		5240 Btuh				
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									30355 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
Lake City, FL

Project Title:
1103078

Class 3 Rating
Registration No. 0
Climate: North

4/4/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	30355 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	30355 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	30355 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4990 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6590 Btuh
	TOTAL GAIN	36945 Btuh

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



For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Project Title:
1103078

Lake City, FL

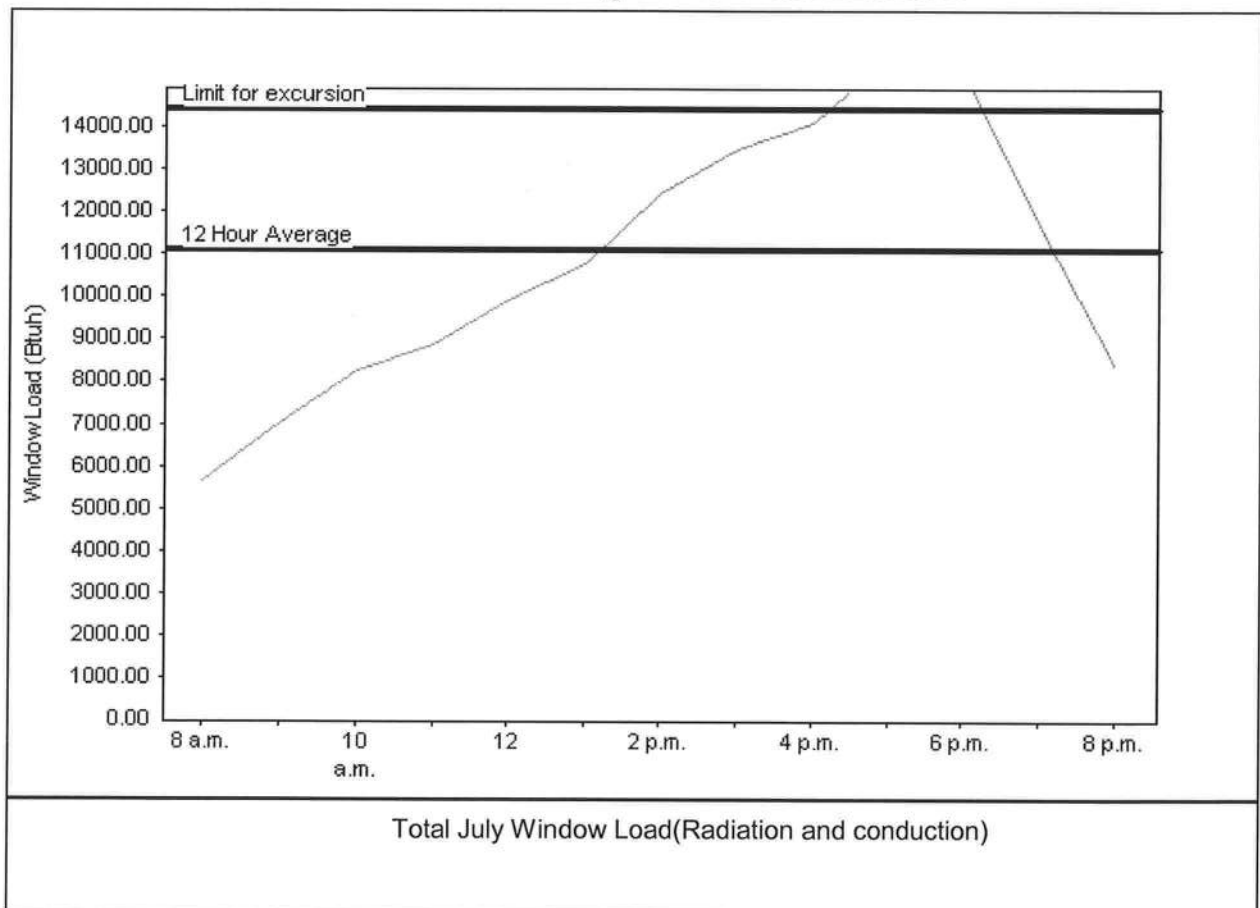
Class 3 Rating
Registration No. 0
Climate: North

4/4/2011

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	11083 Btu
Summer setpoint	75 F	Peak window load for July	15680 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	14407 Btu
Latitude	29 North	Window excursion (July)	1272 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY:

DATE:

4/4/11



EnergyGauge® FLR2PB v4.1



Important Notice: If visually graded lumber is used for the trusses covered by these designs, see "SPIB Important Notice, Dated July 28, 2010" (reprinted at www.mii.com) before use. MiTek does not warrant third-party lumber design values.

RE: JOHNSON-LOT16 - ROOF DESIGN INFO

MiTek Industries, Inc.

6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:

Customer Info: JOHNSON BUILDERS Project Name: LOT 16 RUSSWOOD ESTATES Model:
Lot/Block: Subdivision:
Address:
City: LAKE 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: FBC2007 Design Program: OnLine Plus 28.0.007
Wind Code: ASCE 7-05 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 65 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	T4039473	A1	3/29/011	18	T4039490	M1GIR	3/29/011
2	T4039474	A2	3/29/011	19	T4039491	J3	3/29/011
3	T4039475	A3	3/29/011	20	T4039492	A21GIR	3/29/011
4	T4039476	A4	3/29/011	21	T4039493	A22	3/29/011
5	T4039477	A5	3/29/011	22	T4039494	A23	3/29/011
6	T4039478	A7	3/29/011	23	T4039495	A24	3/29/011
7	T4039479	A8	3/29/011	24	T4039496	A25	3/29/011
8	T4039480	A9	3/29/011	25	T4039497	A26	3/29/011
9	T4039481	A10	3/29/011	26	T4039498	J9	3/29/011
10	T4039482	A11	3/29/011	27	T4039499	J8	3/29/011
11	T4039483	A12	3/29/011	28	T4039500	J7	3/29/011
12	T4039484	A13	3/29/011	29	T4039501	CJ4	3/29/011
13	T4039485	A16	3/29/011	30	T4039502	A28	3/29/011
14	T4039486	A17	3/29/011	31	T4039503	A29	3/29/011
15	T4039487	A18	3/29/011	32	T4039504	M2GIR	3/29/011
16	T4039488	A19	3/29/011	33	T4039505	J4	3/29/011
17	T4039489	A20	3/29/011	34	T4039506	A27GIR	3/29/011

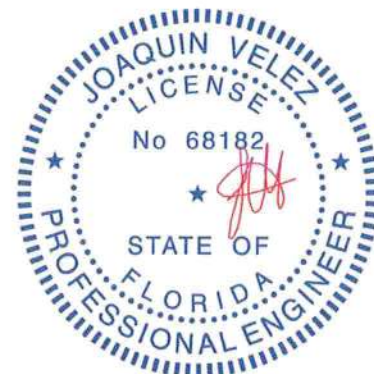


The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Velez, Joaquin

My license renewal date for the state of Florida is February 28, 2013.

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



FL Cert. 6634

March 29, 2011

Velez, Joaquin

1 of 2

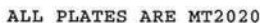
RE: JOHNSON-LOT16 - ROOF DESIGN INFO

Site Information:

Customer Info: JOHNSON BUILDERS Project Name: LOT 16 RUSSWOOD ESTATES Model:
Lot/Block: Subdivision:
Address:
City: LAKE CITY State: FLORIDA

No.	Seal#	Truss Name	Date
35	T4039507	J1B	3/29/011
36	T4039508	J1	3/29/011
37	T4039509	J1A	3/29/011
38	T4039510	CJ1	3/29/011
39	T4039511	A30GIR	3/29/011
40	T4039512	B1	3/29/011
41	T4039513	B2	3/29/011
42	T4039514	B3GE	3/29/011
43	T4039515	C1GIR	3/29/011
44	T4039516	C2	3/29/011
45	T4039517	J2	3/29/011
46	T4039518	CJ3	3/29/011
47	T4039519	C3GIR	3/29/011
48	T4039520	J7B	3/29/011
49	T4039521	CJ2	3/29/011
50	T4039522	CJ5	3/29/011
51	T4039523	CJ6	3/29/011
52	T4039524	D1	3/29/011
53	T4039525	D2	3/29/011
54	T4039526	J5	3/29/011
55	T4039527	D3GIR	3/29/011
56	T4039528	J6	3/29/011
57	T4039529	E1GIR	3/29/011
58	T4039530	J7A	3/29/011
59	T4039531	P1	3/29/011
60	T4039532	P2	3/29/011
61	T4039533	P3	3/29/011
62	T4039534	P4	3/29/011
63	T4039535	P5	3/29/011
64	T4039536	P6	3/29/011
65	T4039537	P7	3/29/011

LOT 16 RUSSWOOD ESTATES



Scale: 0.123" = 1'

FL Cert. 6634

LOT 16 RUSSWOOD ESTATES



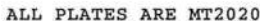
Scale: 0.123" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 394.3 LBS

A circular professional engineer seal for Joaquin Velez. The outer ring contains the text "JOAQUIN VELEZ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. The center of the seal displays the license number "No. 68182". A stylized signature is written across the center, overlapping the license number and the "STATE OF FLORIDA" text.

March 29, 2011

LOT 16 RUSSWOOD ESTATES



Scale: 0.123" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 388.6 LBS

E -G	0.18	130	C	0.00	0.18
G -D	0.20	268	C	0.02	0.18
-----Chord-Webs-----					
E -F	0.22	1932	C	0.00	0.22
F -R	0.52	1649	C	0.49	0.03

		Wabs		
N	-T	0.06	325 T	
T	-O	0.39	1735 C	1 Br
O	-K	0.11	620 T	
K	-B	0.04	112 C	1 Br
B	-J	0.42	427 T	
J	-P	0.18	519 C	1 Br
P	-C	0.54	592 T	
C	-I	0.13	363 C	1 Br
I	-R	0.33	1205 T	
R	-S	0.14	481 T	
S	-G	0.08	292 T	
G	-S	0.03	193 C	

TL Defl	-0.21"	in J -I	L/999
LL Defl	-0.03"	in A -T	L/999
Shear //	Grain	in B -P	0.34

Plates for each plot each face.						
Plate - MT20		20 Ga.		Gross Area		
Plate - MT20N		20 Ga.		Gross Area		
Jt	Type	Plt	Size	X	Y	JSI
A	MT20	4.0x	6.0	0.2	0.1	0.36
N	MT20	5.0x	6.0	-0.3	0.5	0.38
O	MT20	3.0x	5.0	-0.9	-0.5	0.78
B	MT20	6.0x	8.0	1.1	-3.9	0.39
P	MT20	2.0x	4.0	Ctr	Ctr	0.36
C	MT20	6.0x	8.0	-1.1	-3.9	0.39
R	MT20	4.0x	5.0	0.9	-0.5	0.82
S	MT20	5.0x	6.0	0.3	0.5	0.45
D	MT20	4.0x	6.0	-0.2	0.1	0.36
T	MT20	3.0x	5.0	Ctr	Ctr	0.78
K	MT20	5.0x	6.0	Ctr	-0.5	0.39
J	MT20	4.0x	8.0	Ctr	Ctr	0.31
I	MT20	5.0x	6.0	Ctr	-0.5	0.45
F	MT20	6.0x	10.0	0.2	1.0	0.33
E	MT20	3.0x	4.0	Ctr	Ctr	0.91
G	MT20	3.0x	5.0	-1.2	0.1	0.35

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle

3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 7- 1-12
39- 4- 1 49- 8- 0
Max comp. force 1932 Lbs
Max tens. force 1205 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

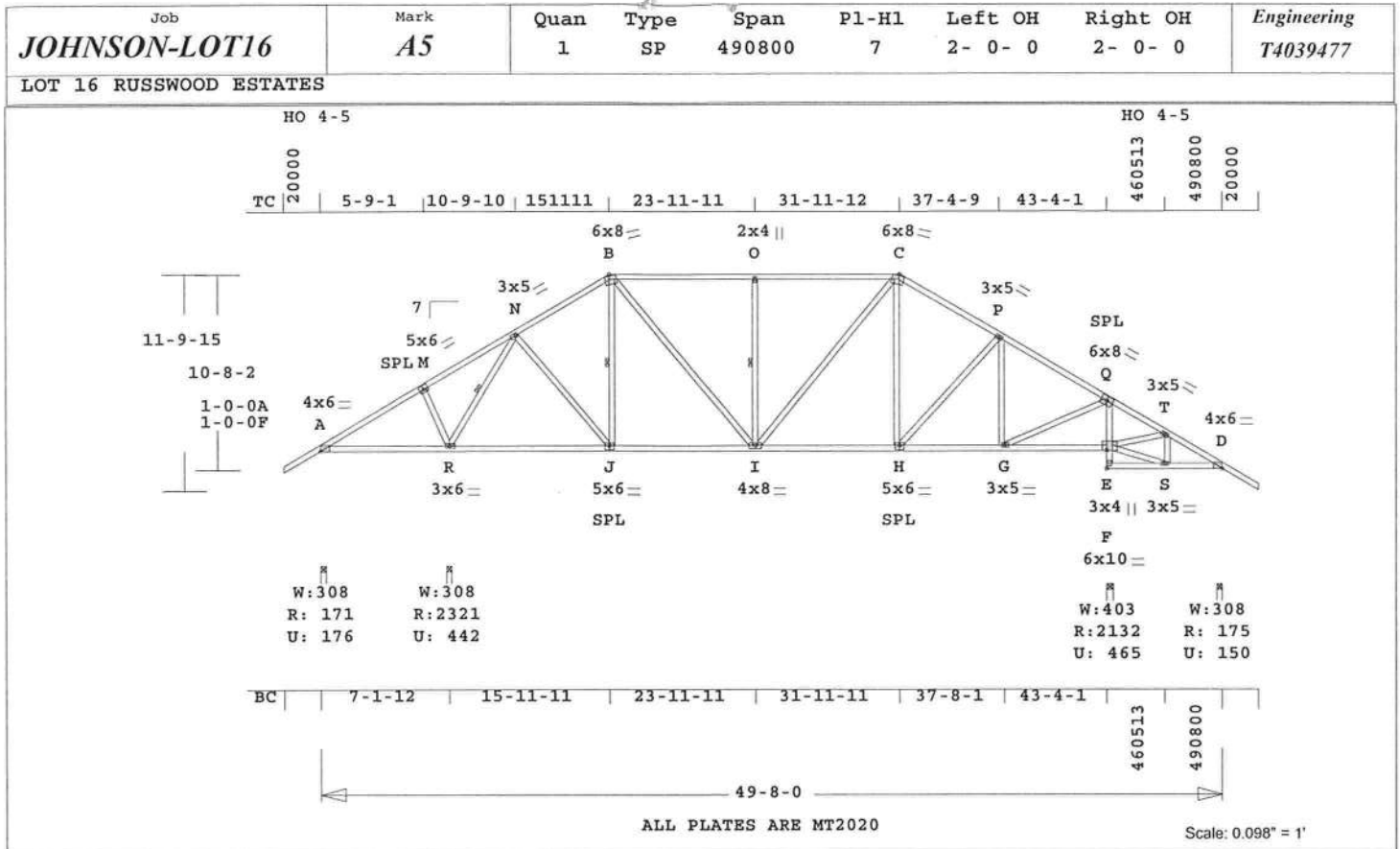


FL Cert. 6634

LOT 16 RUSSWOOD ESTATES



March 29, 2011



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.71 2x 4 SP-#2
BC 0.70 2x 4 SP-#2
CW 0.19 2x 4 SP-#2
WB 0.61 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 15-11-11
TC 24.0" 15-11-11 31-11-12
TC Cont. 31-11-12 49- 8- 0
BC Cont. 0- 0- 0 49- 8- 0
One Continuous Lateral Brace
R -N J -B I -O
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 172 177 U 262 R
R 2321 442 U
E 2132 465 U
D 175 151 U 265 R

Jt Brg Size Required
A 3.5" 1.5"
R 3.5" 2.5"
E 4.2" 2.3"
D 3.5" 1.5"

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

Membr CSI P Lbs Axl-Csi-Bnd
---Top Chords---
A -M 0.39 288 T 0.06 0.33
M -N 0.38 407 T 0.05 0.33
N -B 0.24 1334 C 0.08 0.16
B -O 0.71 1599 C 0.01 0.70
O -C 0.71 1599 C 0.01 0.70
C -P 0.33 1588 C 0.09 0.24
P -Q 0.32 1426 C 0.08 0.24

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 396.6 LBS

Q -T 0.36 473 T 0.08 0.28
T -D 0.08 162 T 0.02 0.06

-----Bottom Chords-----
A -R 0.45 236 C 0.00 0.45
R -J 0.62 661 T 0.11 0.51
J -I 0.70 1156 T 0.19 0.51
I -H 0.62 1371 T 0.23 0.39
H -G 0.55 1232 T 0.20 0.35
G -F 0.20 385 C 0.00 0.20
F -S 0.06 91 C 0.00 0.06
S -D 0.06 113 T 0.00 0.06

-----Chord Webs-----
E -F 0.19 2108 C 0.19 0.00
F -Q 0.18 1980 C 0.18 0.00

-----Webs-----
M -R 0.06 326 T
R -N 0.46 2034 C 1 Br
N -J 0.14 769 T
J -B 0.08 227 C 1 Br
B -I 0.61 687 T
I -O 0.19 535 C 1 Br
O -C 0.38 354 T
H -C 0.02 190 T
H -P 0.12 206 T
G -P 0.33 572 C
G -Q 0.34 1771 T
F -T 0.05 324 T
F -S 0.02 145 T
S -T 0.02 134 T

TL Defl -0.27" in I -H L/999
LL Defl -0.13" in I -H L/999
Shear // Grain in O -C 0.35

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.2 0.1 0.36
M MT20 5.0x 6.0 0.3 0.5 0.38
N MT20 3.0x 5.0 0.9 0.5 0.89
B MT20 6.0x 8.0 1.1 3.9 0.39
O MT20 2.0x 4.0 Ctr Ctr 0.37
C MT20 6.0x 8.0 1.1 3.9 0.39
P MT20 3.0x 5.0 Ctr Ctr 0.36
Q MT20 6.0x 8.0 Ctr 0.1 0.62
T MT20 3.0x 5.0 Ctr Ctr 0.36
D MT20 4.0x 6.0 0.2 0.1 0.36
R MT20 3.0x 6.0 0.9 Ctr 0.90
J MT20 5.0x 6.0 Ctr 0.5 0.39
I MT20 4.0x 8.0 Ctr Ctr 0.36
H MT20 5.0x 6.0 Ctr 0.5 0.39
G MT20 3.0x 5.0 0.5 Ctr 0.86
F MT20 6.0x10.0 Ctr 1.2 0.34
E MT20 3.0x 4.0 Ctr Ctr 0.99
S MT20 3.0x 5.0 Ctr Ctr 0.33

REVIEWED BY:

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

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions --From-- ---To---

0- 0- 0 7- 1-12

43- 4- 1 49- 8- 0

Max comp. force 2108 Lbs

Max tens. force 1771 Lbs

Connector Plate Fabrication

Tolerance = 20%

This truss is designed for a

creep factor of 1.5 which

is used to calculate total

load deflection.



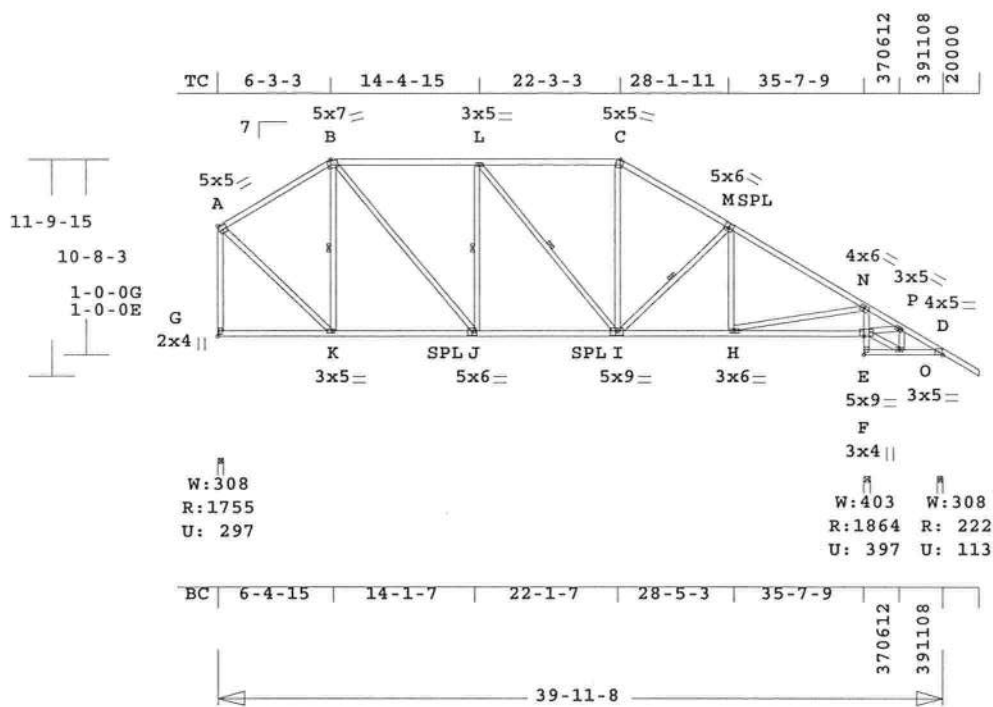
FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
JOHNSON-LOT16	A7	1	SP	391108	7	0	2- 0- 0	T4039478

LOT 16 RUSSWOOD ESTATES

HO 6-0-5

HO 4-5



W:308
R:1755
U: 297

W:403 W:308
R:1864 R: 222
U: 397 U: 113

ALL PLATES ARE MT2020

Scale: 0.094" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.67 2x 4 SP-#2
BC 0.75 2x 4 SP-#2
CW 0.20 2x 4 SP-#2
WB 0.86 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 6- 3- 3
TC 24.0" 6- 3- 3 22- 3- 3
TC Cont. 22- 3- 3 39-11- 8
BC Cont. 0- 0- 0 39-11- 8
One Continuous Lateral Brace
K -B J -L L -I I -M
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz
G 1756 297 U 350 R
F 1864 398 U
D 222 113 U 218 R

Jt Brg Size Required
G 3.5" 2.1"
F 4.2" 2.0"
D 3.5" 1.5"

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

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.44 1131 C 0.02 0.42
B -L 0.67 1624 C 0.01 0.66
L -C 0.67 1518 C 0.01 0.66
C -M 0.45 1762 C 0.10 0.35
M -N 0.51 1955 C 0.09 0.42
N -P 0.48 148 T 0.01 0.47
P -D 0.06 165 T 0.00 0.06
-----Bottom Chords-----
G -K 0.36 260 T 0.00 0.36
K -J 0.64 992 T 0.16 0.48
J -I 0.75 1624 T 0.27 0.48
I -H 0.57 1687 T 0.28 0.29
H -E 0.32 106 T 0.00 0.32
F -O 0.02 116 C 0.00 0.02

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 338.2 LBS

O -D 0.02 100 C 0.00 0.02
-----Chord-Webs-----
F -E 0.20 1848 C 0.00 0.20
E -N 0.16 1747 C 0.15 0.00
-----Webs-----
G -A 0.86 1655 C WindLd
A -K 0.39 1343 T
K -B 0.21 608 C 1 Br
B -J 0.83 981 T
J -L 0.14 394 C 1 Br
L -I 0.09 165 C 1 Br
I -C 0.17 498 T
I -M 0.10 352 C 1 Br
H -M 0.07 166 T
H -N 0.43 1689 T
E -P 0.01 76 T
E -O 0.01 113 T
O -P 0.00 95 C

TL Defl -0.28" in J -I L/999
LL Defl -0.14" in J -I L/999
Shear // Grain in L -C 0.34

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 5.0x 5.0 Ctr Ctr 0.72
B MT20 5.0x 7.0 1.4-3.3 0.85
L MT20 3.0x 5.0 Ctr Ctr 0.33
C MT20 5.0x 5.0-0.8-3.1 0.39
M MT20 5.0x 6.0 0.3 0.5 0.45
N MT20 4.0x 6.0 0.4-0.3 0.86
P MT20 3.0x 5.0 Ctr Ctr 0.36
D MT20 4.0x 5.0 Ctr 0.1 0.37
G MT20 2.0x 4.0 Ctr Ctr 0.50
K MT20 3.0x 5.0 Ctr Ctr 0.82
J MT20 5.0x 6.0 Ctr-0.5 0.74
I MT20 5.0x 9.0 0.5-0.5 0.43
H MT20 3.0x 6.0 2.2 0.2 0.75
E MT20 5.0x 9.0 Ctr 0.7 0.40
F MT20 3.0x 4.0 Ctr Ctr 0.87
O MT20 3.0x 5.0 Ctr Ctr 0.33

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed

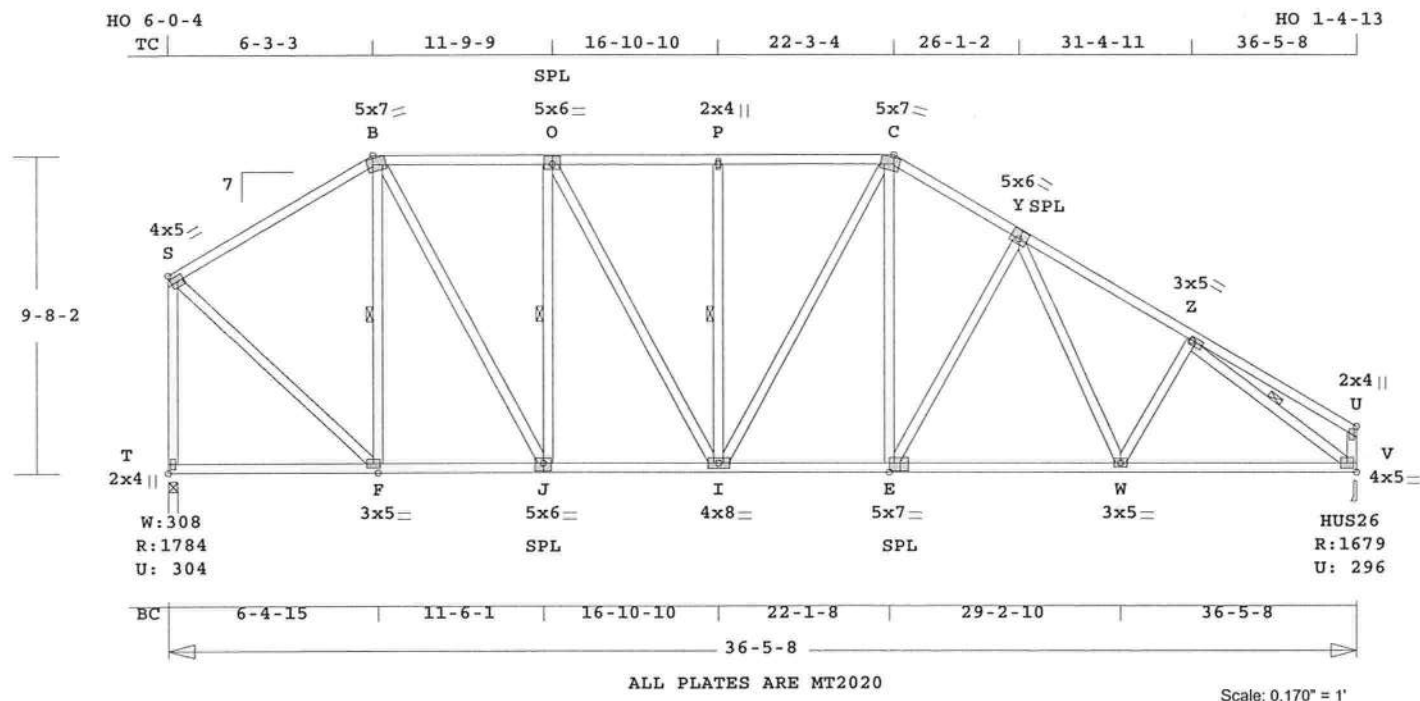
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
35- 7- 9 39-11- 8
Max comp. force 1955 Lbs
Max tens. force 1689 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	A8	1	HIPP	360508	7	0	0	T4039479

LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.47 2x 4 SP-#2
BC 0.60 2x 4 SP-#2
WB 0.87 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 6- 3- 3
TC 24.0" 6- 3- 3 22- 3- 4
TC Cont. 22- 3- 4 36- 5- 8
BC Cont. 0- 0- 0 36- 5- 8
One Continuous Lateral Brace
F -B J -O I -P Z -V
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
T 1784 304 U 329 R
V 1679 297 U 222 R

Jt Brg Size Required
T 3.5" 2.1"
V 3.5" 2.0"

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

Membr CSI P Lbs Ax1-CSt-Bnd
-----Top Chords-----
S -B 0.47 1144 C 0.02 0.45
B -O 0.26 1497 C 0.10 0.16
O -P 0.30 1706 C 0.01 0.29
P -C 0.30 1706 C 0.05 0.25
C -Y 0.25 1888 C 0.02 0.23
Y -Z 0.33 2162 C 0.11 0.22
Z -U 0.29 97 T 0.01 0.28
-----Bottom Chords-----
T -F 0.24 239 T 0.00 0.24
F -J 0.40 1002 T 0.16 0.24
J -I 0.43 1497 T 0.25 0.18
I -E 0.57 1631 T 0.27 0.30

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 347.8 LBS

E -W 0.60 1788 T 0.30 0.30
W -V 0.57 1829 T 0.30 0.27

-----Webs-----

T -S 0.87 1673 C WindLd
S -F 0.40 1356 T
F -B 0.24 684 C 1 Br
B -J 0.64 1014 T
J -O 0.24 668 C 1 Br
O -I 0.28 427 T
I -P 0.12 351 C 1 Br
P -C 0.18 152 T
C -E 0.24 551 T
E -Y 0.39 390 C
Y -W 0.07 230 T
W -Z 0.04 177 T
Z -V 0.41 2365 C 1 Br
V -U 0.01 150 C WindLd

TL Defl -0.24" in E -W L/999
LL Defl -0.11" in E -W L/999
Shear // Grain in P -C 0.24

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
S MT20 4.0x 5.0 Ctr Ctr 0.84
B MT20 5.0x 7.0 1.4-3.3 0.90
O MT20 5.0x 6.0 Ctr Ctr 0.5 0.43
P MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 5.0x 7.0-1.4-3.3 0.51
Y MT20 5.0x 6.0 0.3 0.5 0.43
Z MT20 3.0x 5.0 1.4-1.0 0.88
U MT20 2.0x 4.0 Ctr Ctr 0.30
T MT20 2.0x 4.0 Ctr Ctr 0.51
F MT20 3.0x 5.0 Ctr Ctr 0.83
J MT20 5.0x 6.0 Ctr-0.5 0.48
I MT20 4.0x 8.0 Ctr Ctr 0.25
E MT20 5.0x 7.0-0.5-0.5 0.66
W MT20 3.0x 5.0 Ctr Ctr 0.34
V MT20 4.0x 5.0 Ctr Ctr 0.91

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

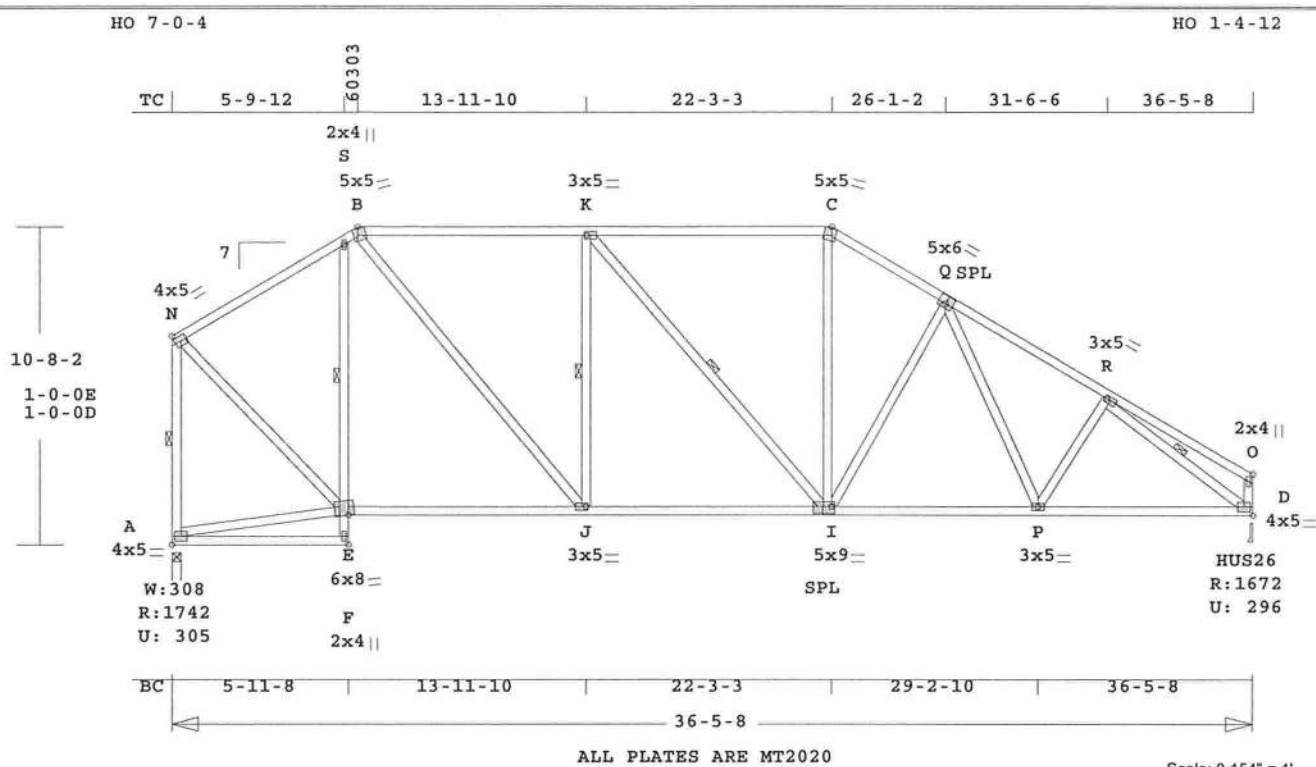
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2365 Lbs
Max tens. force 1829 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29, 2011

LOT 16 RUSSWOOD ESTATES



ALL PLATES ARE MT2020

Scale: 0.154" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

	CSI	-Size-	----Lumber----
TC	0.72	2x 4	SP-#2
BC	0.77	2x 4	SP-#2
CW	0.40	2x 4	SP-#2
WB	0.90	2x 4	SP-#2

Brace truss as follows:				
	O.C.	From	To	
TC	Cont.	0- 0- 0	6- 3-	3-
TC	24.0"	6- 3- 3	22- 3-	3-
TC		22- 3- 3	36- 5-	8-
BC	Cont.	0- 0- 0	36- 5-	8-

One Continuous Lateral Brace
A - N J - K K - I R - D
E - S
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)			
Jt	Down	Uplift	Horiz-
A	1743	305 U	361 R
D	1672	296 U	228 R

Jt	Brg Size	Required
A	3.5"	2.1"
D	3.5"	2.0"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
-----Top Chords-----				
N -S	0.43	1118 C	0.00	0.43
S -B	0.44	1386 C	0.01	0.43
B -K	0.72	1690 C	0.01	0.71
K -C	0.72	1637 C	0.01	0.71
C -Q	0.33	1882 C	0.02	0.31
Q -R	0.34	2148 C	0.11	0.23
R -O	0.29	93 T	0.01	0.28
-----Bottom Chords-----				
A -F	0.25	187 C	0.00	0.25
E -J	0.65	989 T	0.16	0.49
J -I	0.77	1690 T	0.28	0.49
I -P	0.68	1782 T	0.29	0.39

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 329.5 LBS

Pair	File	Access	Access	Weight
P - D	0.55	1811 T	0.30	0.25
-----Chord-Webs-----				
F - E	0.40	113 T	0.01	0.39
E - S	0.17	706 C	0.06	0.11

		Webs			
A	-N	0.34	1716	C	WindLd 1 Br
A	-E	0.04	284	T	
N	-E	0.34	1407	T	
B	-J	0.90	1096	T	
J	-K	0.17	480	C	1 Br
K	-I	0.07	123	C	1 Br
I	-C	0.24	590	T	
I	-Q	0.39	387	C	
Q	-P	0.07	214	T	
P	-R	0.04	175	T	
R	-D	0.39	2350	C	1 Br
D	-O	0.01	144	C	WindLd

TL Defl	-0.29"	in J -I	L/999
LL Defl	-0.14"	in J -I	L/999
Shear //	Grain	in S -B	0.55

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
N	MT20	4.0x	5.0	Ctr	Ctr	0.86
S	MT20	2.0x	4.0	Ctr	Ctr	0.36
B	MT20	5.0x	5.0	0.8-3.1	0.46	
K	MT20	3.0x	5.0	Ctr	Ctr	0.33
C	MT20	5.0x	5.0	0.8-3.1	0.42	
Q	MT20	5.0x	6.0	0.3	0.5	0.44
R	MT20	3.0x	5.0	1.4-0.9	0.88	
O	MT20	2.0x	4.0	Ctr	Ctr	0.30
A	MT20	4.0x	5.0	Ctr	Ctr	0.44
F	MT20	2.0x	4.0	Ctr	Ctr	0.58
E	MT20	6.0x	8.0	Ctr	1.0	0.65
J	MT20	3.0x	5.0	Ctr	Ctr	0.69
I	MT20	5.0x	9.0	0.5-0.5	0.54	
P	MT20	3.0x	5.0	Ctr	Ctr	0.34
D	MT20	4.0x	5.0	Ctr	Ctr	0.90

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

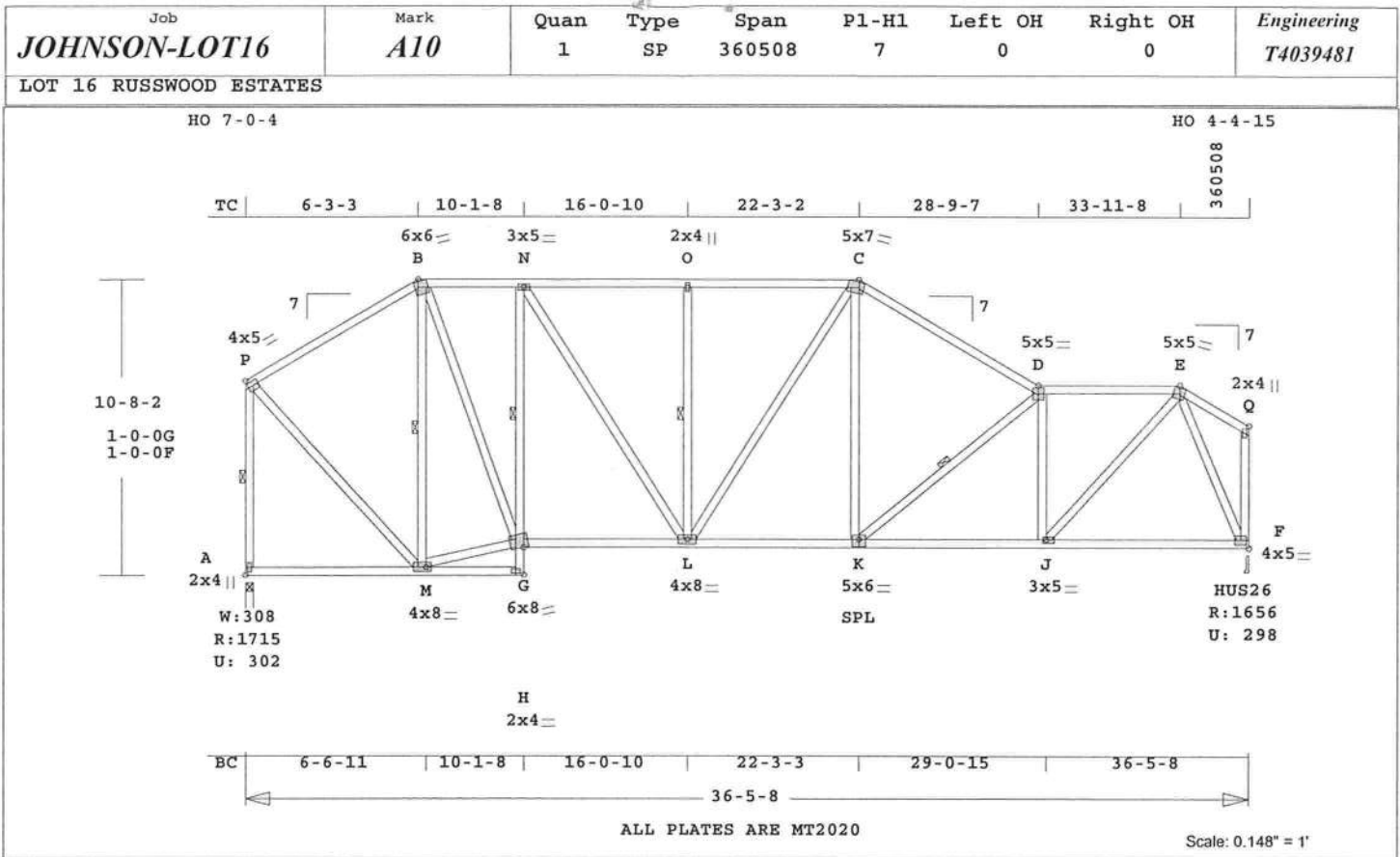
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed
for 20.0 psf LL on the B.C.

in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2350 Lbs
Max tens. force 1811 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29, 2011



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

TC	0.52	2x 4	SP-#2
BC	0.55	2x 4	SP-#2
CW	0.17	2x 4	SP-#2
WB	0.82	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0-0-0	6-3-3
TC	24.0*	6-3-3 22-3-2
TC Cont.	22-3-2	36-5-8
BC Cont.	0-0-0	36-5-8

One Continuous Lateral Brace
A -P M -B L -O K -D
G -N
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	1715	302 U	342 R
F	1656	299 U	279 R

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

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

Membr CSI P Lbs Ax1-CSI-Bnd

Top Chords	Bottom Chords
P -B 0.47 975 C 0.01 0.46	A -M 0.26 236 T 0.00 0.26
B -N 0.24 1297 C 0.01 0.23	M -H 0.23 62 C 0.00 0.23
N -O 0.39 1626 C 0.01 0.38	G -L 0.47 1301 T 0.21 0.26
O -C 0.39 1626 C 0.01 0.38	L -K 0.52 1550 T 0.26 0.26
C -D 0.52 1787 C 0.06 0.46	K -J 0.55 1787 T 0.30 0.25
D -E 0.39 1770 C 0.01 0.38	
E -Q 0.39 157 T 0.00 0.39	

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 367.9 LBS

J -F	0.47	609 T	0.10	0.37
-----Chord-Webs-----				
H -G	0.13	29 T	0.00	0.13
G -N	0.17	757 C	0.07	0.10
-----Webs-----				
A -P	0.33	1589 C	WindLd 1 Br	
P -M	0.45	1250 T		
M -B	0.43	1001 C		1 Br
M -G	0.17	954 T		
B -G	0.62	1246 T		
N -L	0.43	597 T		
L -O	0.14	399 C		1 Br
L -C	0.17	138 T		
K -C	0.12	394 T		
K -D	0.09	302 C		1 Br
J -D	0.49	1032 C		
J -E	0.52	1691 T		
E -F	0.82	1503 C		
F -Q	0.08	185 C	WindLd	

TL Defl -0.26" in L -K L/999
LL Defl -0.13" in L -K L/999
Shear // Grain in N -O 0.26

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
P MT20 4.0x 5.0 Ctr Ctr 0.79
B MT20 6.0x 6.0 1.5-3.7 0.91
N MT20 3.0x 5.0 Ctr Ctr 0.53
O MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 5.0x 7.0-1.4-3.3 0.49
D MT20 5.0x 5.0 Ctr Ctr 0.46
E MT20 5.0x 5.0-0.4-3.3 0.76
Q MT20 2.0x 4.0 Ctr Ctr 0.29
A MT20 2.0x 4.0 Ctr Ctr 0.52
M MT20 4.0x 8.0 Ctr Ctr 0.65
H MT20 2.0x 4.0 Ctr Ctr 0.58
G MT20 6.0x 8.0-0.5 0.8 0.87
L MT20 4.0x 8.0 Ctr Ctr 0.32
K MT20 5.0x 6.0 Ctr-0.5 0.41
J MT20 3.0x 5.0 1.0 Ctr 0.88
F MT20 4.0x 5.0 Ctr Ctr 0.49

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

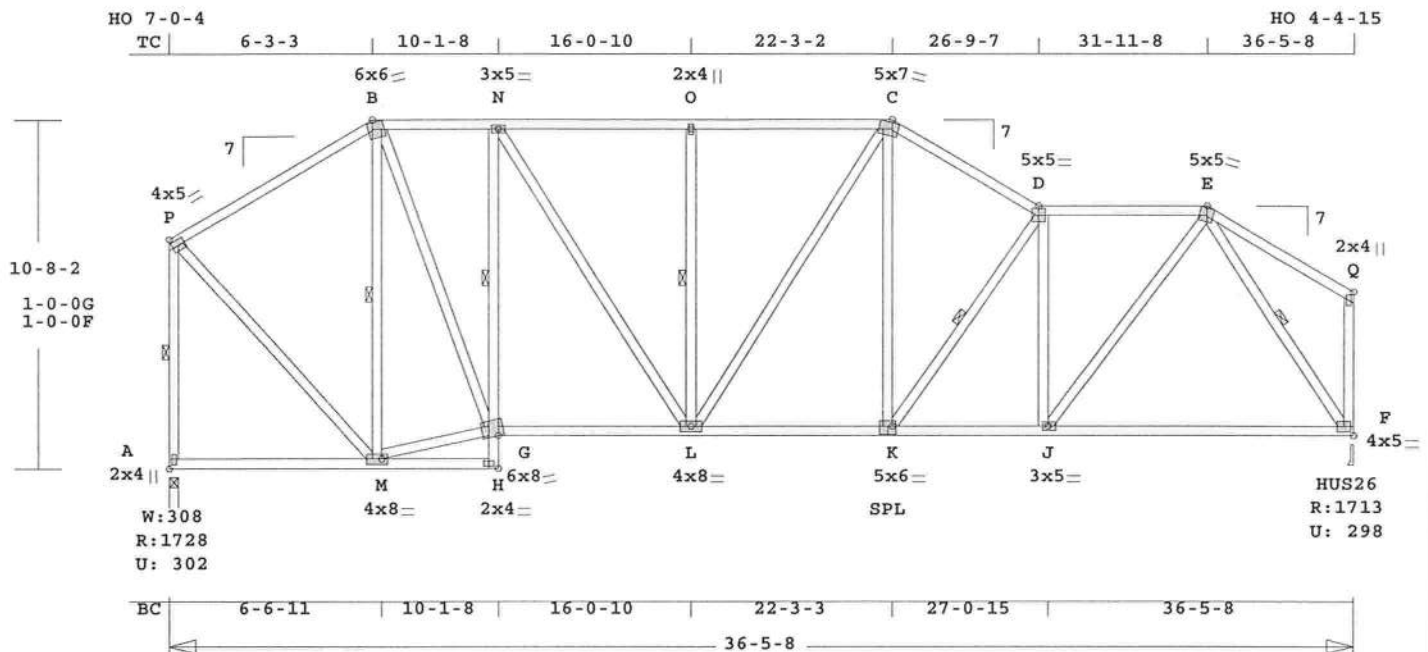
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1787 Lbs
Max tens. force 1787 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

LOT 16 RUSSWOOD ESTATES



ALL PLATES ARE MT2020

Scale: 0.169" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

	CSI	-Size-	----Lumber----
TC	0.53	2x 4	SP-#2
BC	0.88	2x 4	SP-#2
CW	0.17	2x 4	SP-#2
WB	0.62	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	6- 3- 3
TC	24.0*	6- 3- 3	22- 3- 2
TC	Cont.	22- 3- 2	36- 5- 8
BC	Cont.	0- 0- 0	36- 5- 8

One Continuous Lateral Brace
A - P M - B L - O K - D
E - F G - N
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	1728	302 U	342 R
F	1714	299 U	279 R

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

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

Membr	CSI	P	Lbs	Axl-CSI-Bnd
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00
34	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00
36	0.00	0.00	0.00	0.00
37	0.00	0.00	0.00	0.00
38	0.00	0.00	0.00	0.00
39	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00
43	0.00	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00
46	0.00	0.00	0.00	0.00
47	0.00	0.00	0.00	0.00
48	0.00	0.00	0.00	0.00
49	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00
54	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00
56	0.00	0.00	0.00	0.00
57	0.00	0.00	0.00	0.00
58	0.00	0.00	0.00	0.00
59	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00
61	0.00	0.00	0.00	0.00
62	0.00	0.00	0.00	0.00
63	0.00	0.00	0.00	0.00
64	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00
66	0.00	0.00	0.00	0.00
67	0.00	0.00	0.00	0.00
68	0.00	0.00	0.00	0.00
69	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00
71	0.00	0.00	0.00	0.00
72	0.00	0.00	0.00	0.00
73	0.00	0.00	0.00	0.00
74	0.00	0.00</		

Member	CSI	F	IDS	AXI	CSI-Bnd
	-----Top Chords-----				
P - B	0.47	983	C	0.01	0.48
B - N	0.24	1310	C	0.01	0.23
N - O	0.41	1650	C	0.01	0.40
O - C	0.41	1650	C	0.01	0.40
C - D	0.27	1798	C	0.01	0.26
D - E	0.53	1793	C	0.02	0.51
E - Q	0.40	178	T	0.00	0.40

		0.10	0.20	0.30	0.40
-----Bottom Chords-----					
A	-M	0.26	236	T	0.00 0.26
M	-H	0.23	56	C	0.00 0.23
G	-L	0.51	1313	T	0.22 0.29
L	-K	0.55	1569	T	0.26 0.29
K	-J	0.88	1804	T	0.30 0.58

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 374.5 LBS

J	-F	0.83	936 T	0.15	0.68
Chord-Webs					
H	-G	0.11	29 T	0.00	0.11
G	-N	0.17	772 C	0.08	0.09
Webs					
A	-P	0.33	1602 C	WindLd	1 Br
P	-M	0.45	1261 T		
M	-B	0.44	1010 C		1 Br
M	-G	0.17	956 T		
B	-G	0.62	1258 T		
N	-L	0.44	620 T		
L	-O	0.14	411 C		1 Br
L	-C	0.15	149 T		
K	-C	0.19	444 T		
K	-D	0.10	393 C		1 Br
J	-D	0.55	800 C		
J	-E	0.46	1398 T		
E	-F	0.44	1683 C		1 Br
F	-Q	0.08	210 C	WindLd	

TL Defl	-0.54"	in J -F	L/792
LL Defl	-0.25"	in J -F	L/999
Shear //	Grain	in O -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	
P	MT20	4.0x 5.0	Ctr	Ctr	0.80	
B	MT20	6.0x 6.0	1.5-3.7	0.92		
N	MT20	3.0x 5.0	Ctr	Ctr	0.54	
O	MT20	2.0x 4.0	Ctr	Ctr	0.34	
C	MT20	5.0x 7.0	1.4-3.3	0.49		
D	MT20	5.0x 5.0	Ctr	Ctr	0.46	
E	MT20	5.0x 5.0	0.4-3.3	0.94		
Q	MT20	2.0x 4.0	Ctr	Ctr	0.29	
A	MT20	2.0x 4.0	Ctr	Ctr	0.52	
M	MT20	4.0x 8.0	Ctr	Ctr	0.65	
H	MT20	2.0x 4.0	Ctr	Ctr	0.58	
G	MT20	6.0x 8.0	0.5	0.8	0.88	
L	MT20	4.0x 8.0	Ctr	Ctr	0.33	
K	MT20	5.0x 6.0	Ctr	0.5	0.52	
J	MT20	3.0x 5.0	0.5	Ctr	0.83	
F	MT20	4.0x 5.0	Ctr	Ctr	0.57	

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member. Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as Components and Claddings* for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 1798 Lbs

Max tens. force 1804 Lbs

Connector Plate Fabrication Tolerance = 20%

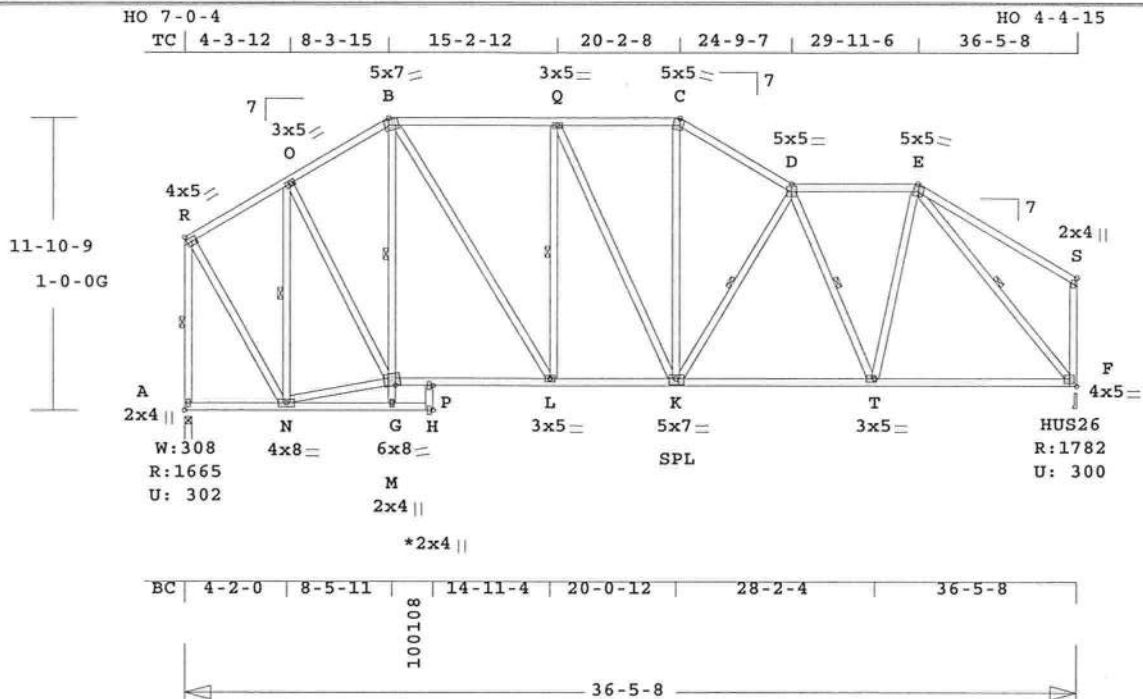
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.



FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	A12	1	SP	360508	7	0	0	T4039483

LOT 16 RUSSWOOD ESTATES



ALL PLATES ARE MT2020
See * For Typical Gable Plate Size and Placement

Scale: 0.127" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.58 2x 4 SP-#2
BC 0.92 2x 4 SP-#2
CW 0.19 2x 4 SP-#2
WB 0.79 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 36- 5- 8
BC Cont. 0- 0- 0 36- 5- 8
One Continuous Lateral Brace
A -R N -O L -Q K -D
D -T E -F G -B
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 1665 302 U 373 R
F 1783 300 U 310 R

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

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

Membr CSI P Lbs Axl-CSI-Bnd
---Top Chords---
R -O 0.19 765 C 0.06 0.13
O -B 0.21 1218 C 0.08 0.13
B -Q 0.39 1485 C 0.01 0.38
Q -C 0.39 1511 C 0.01 0.38
C -D 0.23 1738 C 0.10 0.13
D -E 0.58 1484 C 0.01 0.57
E -S 0.54 205 T 0.00 0.54
---Bottom Chords---
A -N 0.13 267 T 0.00 0.13
N -M 0.13 99 C 0.00 0.13
G -L 0.40 1059 T 0.17 0.23
L -K 0.52 1485 T 0.24 0.28
K -T 0.92 1774 T 0.29 0.63
T -F 0.83 1232 T 0.20 0.63
---Chord-Webs---
M -G 0.19 67 T 0.00 0.19

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 394.3 LBS

G -B 0.09 388 C 0.02 0.07
-----Webs-----
A -R 0.33 1631 C WindLd 1 Br
R -N 0.36 1316 T
N -O 0.41 1207 C 1 Br
N -G 0.14 784 T
O -G 0.15 818 T
B -L 0.68 802 T
L -Q 0.20 448 C 1 Br
Q -K 0.21 104 T
K -C 0.37 595 T
K -D 0.17 501 C 1 Br
D -T 0.22 726 C 1 Br
T -E 0.24 1108 T
E -F 0.79 1929 C 1 Br
F -S 0.09 257 C WindLd

TL Defl -0.29" in T -F L/999
LL Defl -0.13" in T -F L/999
Shear // Grain in T -F 0.29

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
R MT20 4.0x 5.0 Ctr Ctr 0.82
O MT20 3.0x 5.0 Ctr Ctr 0.66
B MT20 5.0x 7.0 1.4-3.3 0.70
Q MT20 3.0x 5.0 Ctr Ctr 0.34
C MT20 5.0x 5.0-0.8-3.1 0.38
D MT20 5.0x 5.0 Ctr Ctr 0.46
E MT20 5.0x 5.0 0.1-3.6 0.92
S MT20 2.0x 4.0 Ctr Ctr 0.29
A MT20 2.0x 4.0 Ctr Ctr 0.50
N MT20 4.0x 8.0 Ctr Ctr 0.71
M MT20 2.0x 4.0 Ctr Ctr 0.58
G MT20 6.0x 8.0 Ctr 1.0 0.46
L MT20 3.0x 5.0 Ctr Ctr 0.54
K MT20 5.0x 7.0-1.0-0.5 0.53
T MT20 3.0x 5.0 Ctr Ctr 0.80
F MT20 4.0x 5.0 Ctr Ctr 0.68

1 Gable studs to be attached
with 2.0x4.0 plates each end.
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed
for 20.0 psf LL on the B.C.

in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1929 Lbs
Max tens. force 1774 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



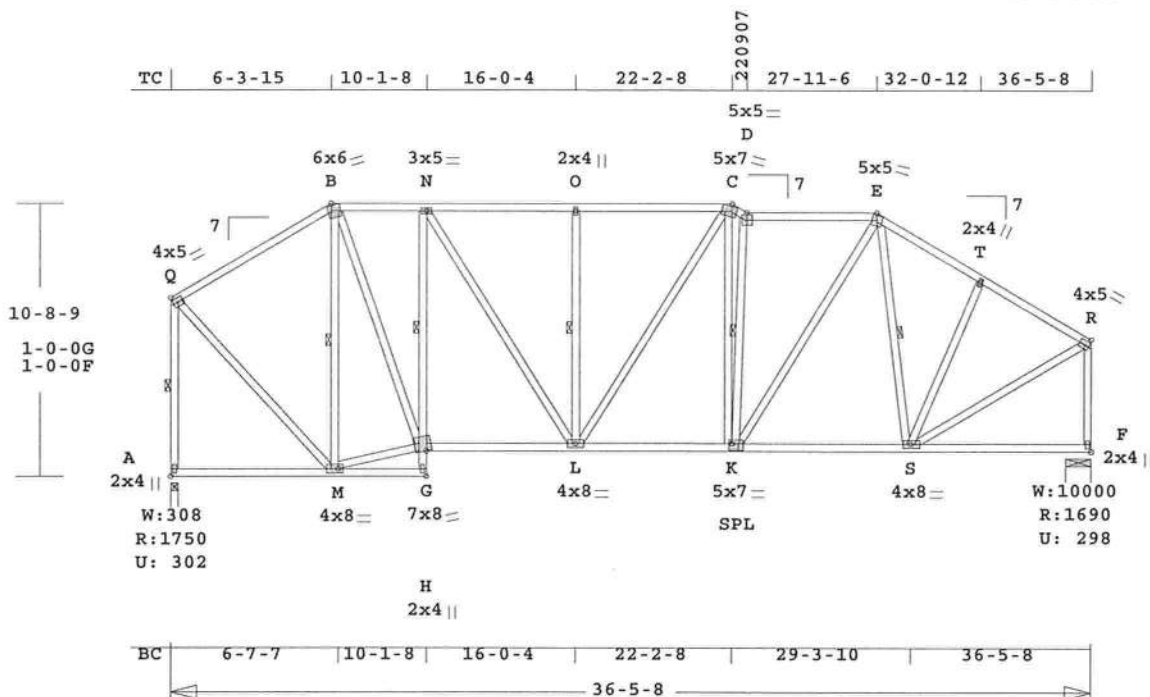
FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	A13	1	SP	360508	7	0	0	T4039484

LOT 16 RUSSWOOD ESTATES

HO 7-0-4

HO 4-4-15



ALL PLATES ARE MT2020

Scale: 0.132" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.48 2x 4 SP-#2
BC 0.58 2x 4 SP-#2
CW 0.19 2x 4 SP-#2
WB 0.62 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 36- 5- 8
BC Cont. 0- 0- 0 36- 5- 8
One Continuous Lateral Brace
A -Q M -B L -O K -D
E -S G -N
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 1750 302 U 343 R
F 1691 299 U 281 R

Jt Brg Size Required
A 3.5" 2.1"
F 12.0" 2.0"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
Q -B 0.48 1003 C 0.01 0.47
B -N 0.24 1328 C 0.09 0.15
N -O 0.39 1674 C 0.01 0.38
O -C 0.39 1674 C 0.01 0.38
C -D 0.28 1738 C 0.01 0.27
D -E 0.32 1677 C 0.02 0.30
E -T 0.24 1406 C 0.09 0.15
T -R 0.23 1500 C 0.08 0.15
-----Bottom Chords-----
A -M 0.26 237 T 0.00 0.26
M -H 0.23 65 C 0.00 0.23
G -L 0.45 1331 T 0.22 0.23
L -K 0.58 1630 T 0.27 0.31
K -S 0.51 1238 T 0.20 0.31
S -F 0.33 216 T 0.00 0.33

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 399.1 LBS

-----Chord-Webs-----
H -G 0.13 27 T 0.00 0.13
G -N 0.19 784 C 0.09 0.10
-----Webs-----
A -Q 0.33 1622 C WindLd 1 Br
Q -M 0.46 1279 T
M -B 0.45 1029 C 1 Br
M -G 0.18 985 T
B -G 0.62 1285 T
N -L 0.45 633 T
L -O 0.14 398 C 1 Br
L -C 0.12 106 T
K -C 0.18 381 T
K -D 0.26 766 C 1 Br
K -E 0.48 799 T
E -S 0.09 271 C 1 Br
S -T 0.23 294 C
S -R 0.48 1517 T
F -R 0.45 1639 C WindLd
TL Defl -0.21" in G -L L/999
LL Defl -0.11" in K -S L/999
Shear // Grain in C -D 0.36

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
Q MT20 4.0x 5.0 Ctr Ctr 0.81
B MT20 6.0x 6.0 1.5-3.7 0.94
N MT20 3.0x 5.0 Ctr Ctr 0.55
O MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 5.0x 7.0-1.4-3.3 0.50
D MT20 5.0x 5.0 Ctr Ctr 0.46
E MT20 5.0x 5.0 0.1-3.6 0.58
T MT20 2.0x 4.0 Ctr Ctr 0.30
R MT20 4.0x 5.0 Ctr Ctr 0.69
A MT20 2.0x 4.0 Ctr Ctr 0.52
M MT20 4.0x 8.0 Ctr Ctr 0.66
H MT20 2.0x 4.0 Ctr Ctr 0.58
G MT20 7.0x 8.0 Ctr Ctr 1.4 0.53
L MT20 4.0x 8.0 Ctr Ctr 0.34
K MT20 5.0x 7.0-1.0-0.5 0.77
S MT20 4.0x 8.0 0.5 Ctr 0.78
F MT20 2.0x 4.0 Ctr Ctr 0.58

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

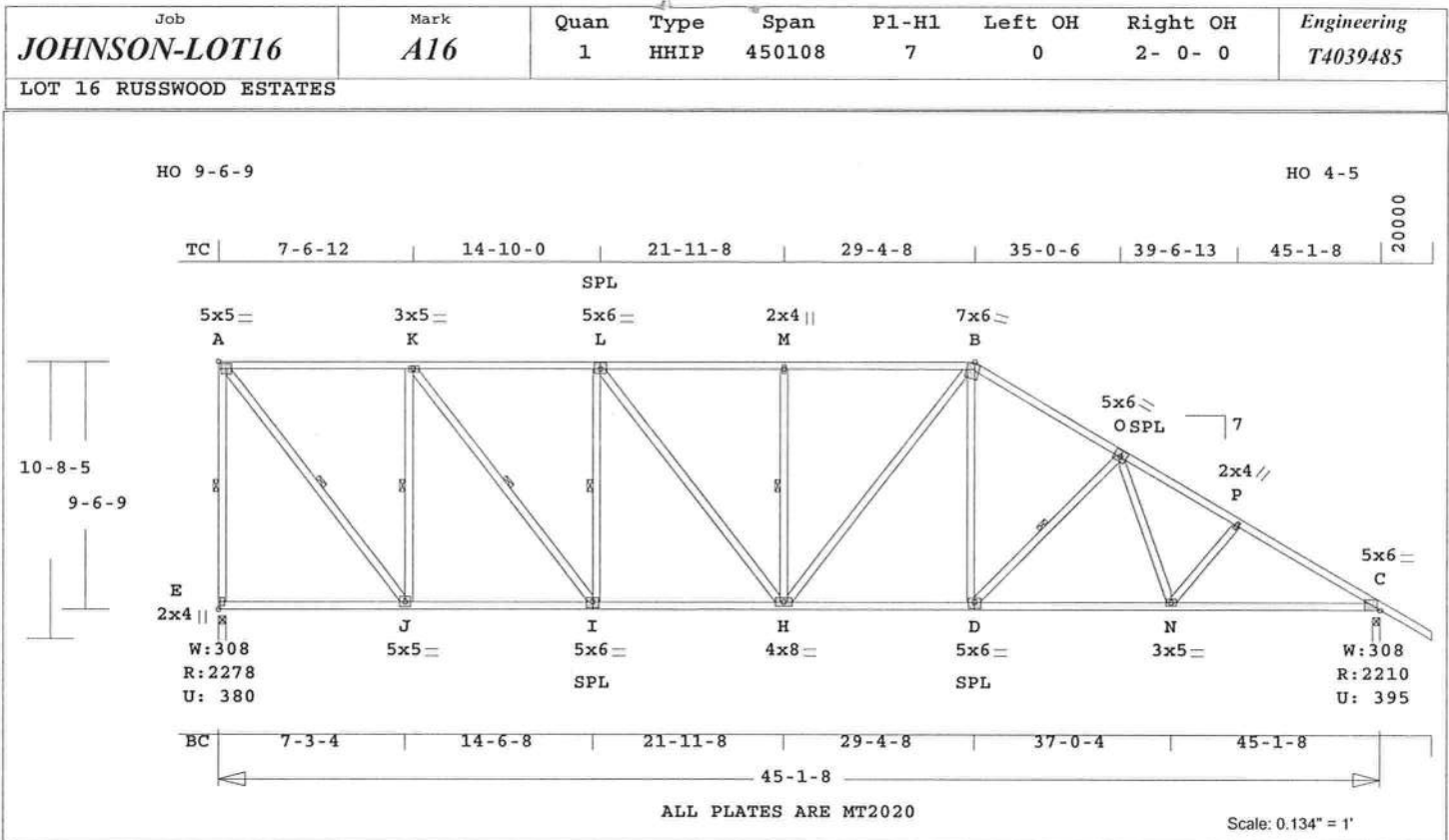
REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007

TPI 2002
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1738 Lbs
Max tens. force 1630 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.65 2x 4 SP-#2
BC 0.86 2x 4 SP-#2
WB 0.74 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 45- 1- 8
BC Cont. 0- 0- 0 45- 1- 8
One Continuous Lateral Brace
E -A A -J J -K K -I
I -L H -M D -O
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)

Jt Down Uplift Horiz-
E 2279 381 U 392 R
C 2211 395 U 170 R

Jt Brg Size Required
E 3.5" 2.7"
C 3.5" 2.6"

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

Membr CSI P Lbs Ax1-CSI-Bnd

-----Top Chords-----
A -K 0.60 1524 C 0.01 0.59
K -L 0.63 2385 C 0.04 0.59
L -M 0.60 2686 C 0.04 0.56
M -B 0.65 2686 C 0.12 0.53
B -O 0.44 2802 C 0.04 0.40
O -P 0.35 3381 C 0.17 0.18
P -C 0.39 3563 C 0.09 0.30
-----Bottom Chords-----
E -J 0.45 308 T 0.00 0.45
J -I 0.70 1524 T 0.25 0.45
I -H 0.74 2385 T 0.40 0.34
H -D 0.79 2422 T 0.40 0.39
D -N 0.86 2802 T 0.47 0.39

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 384.1 LBS

N -C 0.71 3064 T 0.51 0.20
-----Webs-----
E -A 0.74 2122 C WindLd 1 Br
A -J 0.48 2467 T 1 Br
J -K 0.55 1591 C 1 Br
K -I 0.27 1393 T 1 Br
I -L 0.27 794 C 1 Br
L -H 0.42 487 T
H -M 0.16 480 C 1 Br
H -B 0.35 425 T
D -B 0.23 694 T
D -O 0.15 531 C 1 Br
O -N 0.07 399 T
N -P 0.07 274 C

TL Defl -0.50" in H -D L/999
LL Defl -0.25" in H -D L/999
Shear // Grain in A -K 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 5.0x 5.0 Ctr Ctr 0.94
K MT20 3.0x 5.0 0.5 Ctr 0.82
L MT20 5.0x 6.0 Ctr 0.5 0.39
M MT20 2.0x 4.0 Ctr Ctr 0.34
B MT20 7.0x 6.0-1.1-4.2 0.53
O MT20 5.0x 6.0 0.3 0.5 0.46
P MT20 2.0x 4.0 Ctr Ctr 0.29
C MT20 5.0x 6.0-1.4 0.6 0.89
E MT20 2.0x 4.0 Ctr Ctr 0.66
J MT20 5.0x 5.0 Ctr Ctr 0.94
I MT20 5.0x 6.0 Ctr-0.5 0.58
H MT20 4.0x 8.0 Ctr Ctr 0.25
D MT20 5.0x 6.0 Ctr-0.5 0.64
N MT20 3.0x 5.0 0.1 Ctr 0.37

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.

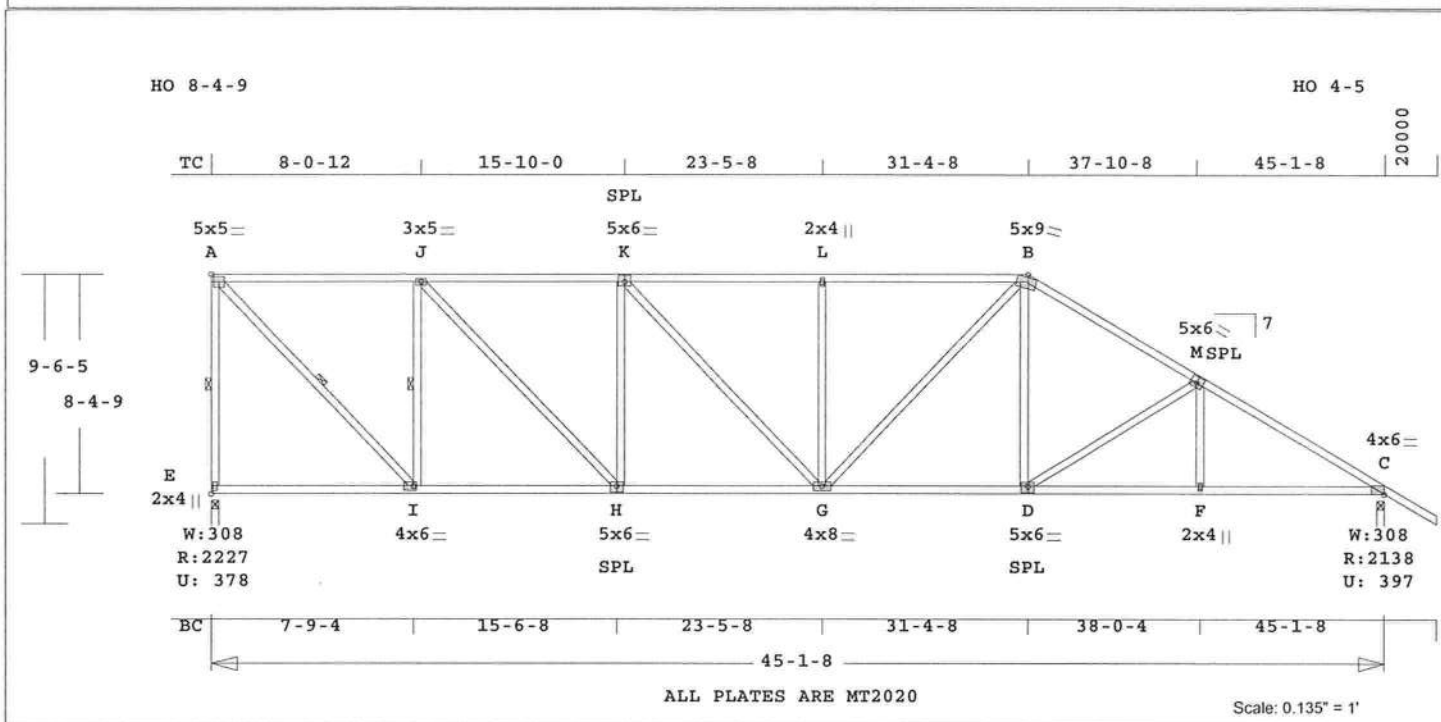
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3563 Lbs
Max tens. force 3064 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job JOHNSON-LOT16	Mark A17	Quan 1	Type HHIP	Span 450108	Pl-H1 7	Left OH 0	Right OH 2- 0- 0	Engineering T4039486
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.80 2x 4 SP-#2
BC 0.83 2x 4 SP-#2
WB 1.00 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 45- 1- 8
BC Cont. 0- 0- 0 45- 1- 8
One Continuous Lateral Brace
E -A A -I I -J
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
E 2227 379 U 341 R
C 2139 397 U 149 R

Jt Brg Size Required
E 3.5" 2.6"
C 3.5" 2.5"

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

Membr CSI P Lbs Axl-Csi-Bnd
---Top Chords---
A -J 0.71 1797 C 0.06 0.65
J -K 0.73 2747 C 0.05 0.68
K -L 0.68 2982 C 0.06 0.62
L -B 0.80 2982 C 0.18 0.62
B -M 0.48 2887 C 0.15 0.33
M -C 0.54 3363 C 0.19 0.35
---Bottom Chords---
E -I 0.48 268 T 0.00 0.48
I -H 0.78 1797 T 0.30 0.48
H -G 0.83 2747 T 0.46 0.37
G -D 0.78 2490 T 0.41 0.37

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 356.4 LBS

D -F 0.79 2902 T 0.48 0.31
F -C 0.61 2902 T 0.48 0.13
-----Webs-----
E -A 0.56 2064 C WindLd 1 Br
A -I 0.47 2594 T 1 Br
I -J 0.41 1517 C 1 Br
J -H 1.00 1370 T
H -K 0.69 685 C
K -G 0.29 338 T
G -L 0.51 506 C
L -B 0.50 706 T
B -D 0.10 526 T
D -M 0.52 548 C
F -M 0.04 262 T

TL Defl -0.57" in G -D L/936
LL Defl -0.28" in G -D L/999
Shear // Grain in A -J 0.36

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 5.0x 5.0 Ctr Ctr 0.95
J MT20 3.0x 5.0 Ctr Ctr 0.85
K MT20 5.0x 6.0 Ctr 0.5 0.39
L MT20 2.0x 4.0 Ctr Ctr 0.35
B MT20 5.0x 9.0-1.0-3.6 0.44
M MT20 5.0x 6.0 0.3 0.5 0.45
C MT20 4.0x 6.0-0.2 0.1 0.97
E MT20 2.0x 4.0 Ctr Ctr 0.67
I MT20 4.0x 6.0-1.5 Ctr 0.91
H MT20 5.0x 6.0 Ctr-0.5 0.63
G MT20 4.0x 8.0 Ctr Ctr 0.36
D MT20 5.0x 6.0 Ctr-0.5 0.67
F MT20 2.0x 4.0 Ctr Ctr 0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
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Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3363 Lbs
Max tens. force 2902 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

LOT 16 RUSSWOOD ESTATES



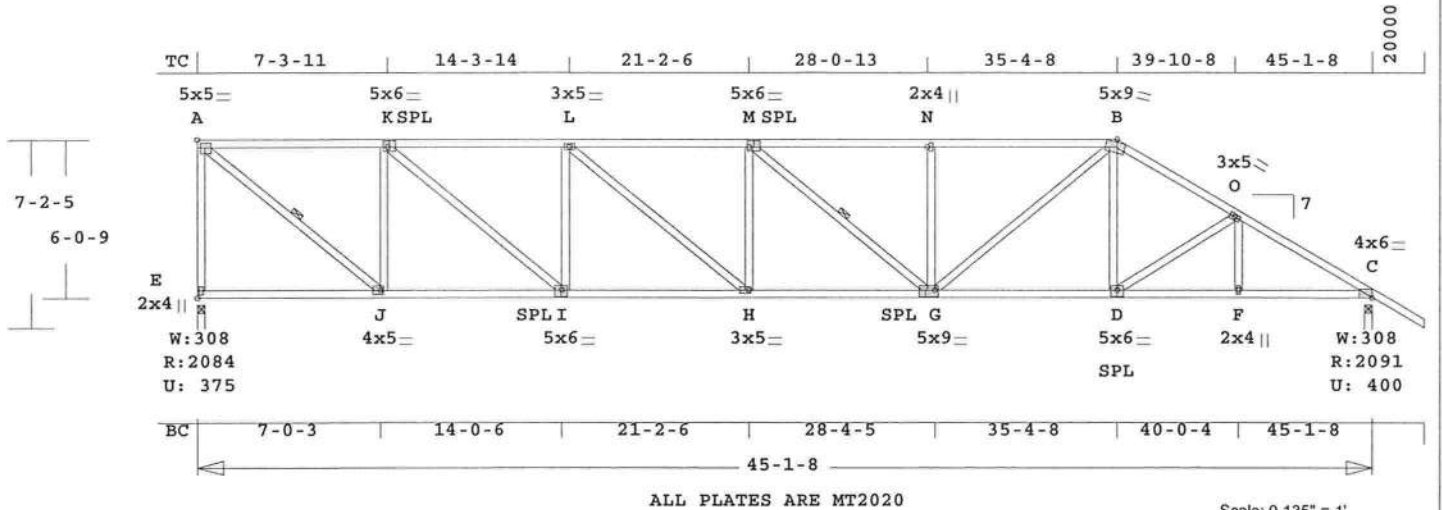
March 29, 2011

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	A19	1	HHIP	450108	7	0	2- 0- 0	T4039488

LOT 16 RUSSWOOD ESTATES

HO 6-0-9

HO 4-5



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.72 2x 4 SP-#2
BC 0.87 2x 4 SP-#2
WB 0.99 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 45- 1- 8
BC Cont. 0- 0- 0 45- 1- 8
One Continuous Lateral Brace
A -J M -G
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
E 2084 376 U 241 R
C 2091 400 U 105 R

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

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -K 0.61 2174 C 0.07 0.54
K -L 0.62 3458 C 0.08 0.54
L -M 0.58 3976 C 0.21 0.37
M -N 0.56 3704 C 0.09 0.47
N -B 0.72 3704 C 0.22 0.50
B -O 0.38 3075 C 0.06 0.32
O -C 0.33 3333 C 0.07 0.26
-----Bottom Chords-----
E -J 0.31 189 T 0.00 0.31
J -I 0.63 2174 T 0.36 0.27
I -H 0.79 3458 T 0.58 0.21
H -G 0.87 3976 T 0.66 0.21
G -D 0.64 2664 T 0.44 0.20
D -F 0.68 2864 T 0.48 0.20

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 337.1 LBS

F -C 0.67 2864 T 0.48 0.19
-----Webs-----
E -A 0.99 1959 C WindLd
A -J 0.51 2812 T 1 Br
J -K 0.77 1528 C
K -I 0.82 1661 T
I -L 0.42 833 C
L -H 0.34 670 T
H -M 0.09 246 T
M -G 0.11 352 C 1 Br
G -N 0.22 446 C
N -O 0.67 1336 T
O -B 0.06 351 T
B -D 0.15 332 C
D -F 0.02 145 T

TL Defl -0.75" in H -G L/714
LL Defl -0.35" in H -G L/999
Shear // Grain in A -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 5.0x 5.0 0.4-0.3 0.80
K MT20 5.0x 6.0 Ctr 0.5 0.53
L MT20 3.0x 5.0 Ctr Ctr 0.41
M MT20 5.0x 6.0 Ctr 0.5 0.46
N MT20 2.0x 4.0 Ctr Ctr 0.34
B MT20 5.0x 9.0-1.0-3.6 0.82
O MT20 3.0x 5.0 Ctr Ctr 0.36
C MT20 4.0x 6.0-0.2 0.1 0.96
E MT20 2.0x 4.0 Ctr Ctr 0.67
J MT20 4.0x 5.0-1.0 Ctr 0.94
I MT20 5.0x 6.0 Ctr-0.5 0.79
H MT20 3.0x 5.0 Ctr Ctr 0.41
G MT20 5.0x 9.0 1.5-0.5 0.91
D MT20 5.0x 6.0 Ctr-0.5 0.66
F MT20 2.0x 4.0 Ctr Ctr 0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3976 Lbs
Max tens. force 3976 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



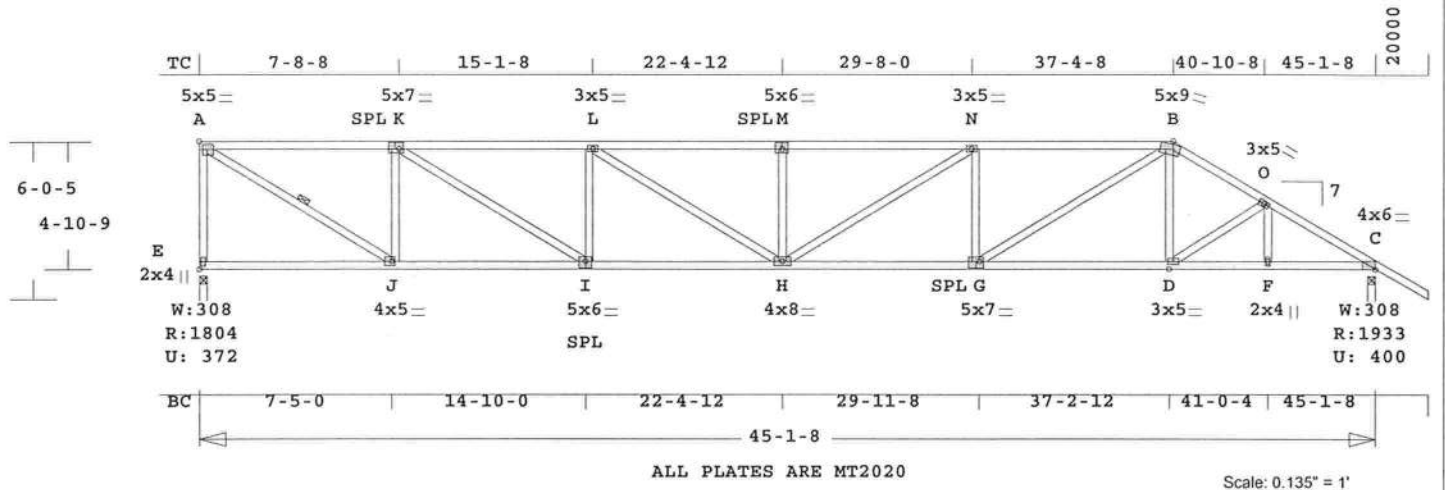
FL Cert. 6634

Job JOHNSON-LOT16	Mark A20	Quan 1	Type HHIP	Span 450108	Pl-H1 7	Left OH 0	Right OH 2- 0- 0	Engineering T4039489
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LOT 16 RUSSWOOD ESTATES

HO 4-10-9

HO 4-5



ALL PLATES ARE MT2020

Scale: 0.135" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

TC	0.87	2x 4	SP-#2
BC	0.82	2x 4	SP-#2
WB	0.90	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 45- 1- 8	
BC Cont.	0- 0- 0 45- 1- 8	

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

psf-Ld Dead Live

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
E	1805	372 U	191 R
C	1934	400 U	83 R

Jt	Brg Size	Required
E	3.5"	2.1"
C	3.5"	2.3"

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	0.77	2513 C	0.12 0.65
K -L	0.70	3946 C	0.10 0.60
L -M	0.79	4450 C	0.30 0.49
M -N	0.66	4450 C	0.27 0.39
N -B	0.87	3998 C	0.29 0.58
B -O	0.31	2898 C	0.05 0.26
O -C	0.28	3048 C	0.06 0.22
-----Bottom Chords-----			
E -J	0.35	149 T	0.00 0.35
J -I	0.61	2513 T	0.42 0.19
I -H	0.80	3946 T	0.66 0.14
H -G	0.82	3998 T	0.67 0.15
G -D	0.57	2521 T	0.42 0.15
D -F	0.56	2610 T	0.43 0.13

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 316.8 LBS

F -C	0.61	2610 T	0.43 0.18
-----Webs-----			
E -A	0.56	1741 C	WindLd
A -J	0.54	2955 T	1 Br
J -K	0.44	1388 C	
K -I	0.86	1684 T	
I -L	0.24	742 C	
L -H	0.30	592 T	
H -M	0.14	442 C	
H -N	0.27	530 T	
G -N	0.24	744 C	
G -B	0.90	1727 T	
D -B	0.04	296 T	
D -O	0.06	210 C	
F -O	0.01	65 T	

TL Defl -0.94" in I -H L/567
LL Defl -0.37" in I -H L/999
Shear // Grain in A -K 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	5.0x 5.0	0.4-0.3	0.88	
K MT20	5.0x 7.0	0.5 0.5	0.92	
L MT20	3.0x 5.0	Ctr Ctr	0.35	
M MT20	5.0x 6.0	Ctr Ctr	0.5 0.51	
N MT20	3.0x 5.0	Ctr Ctr	0.33	
B MT20	5.0x 9.0	1.5-3.6	0.81	
O MT20	3.0x 5.0	Ctr Ctr	0.36	
C MT20	4.0x 6.0	0.2 0.1	0.88	
E MT20	2.0x 4.0	Ctr Ctr	0.68	
J MT20	4.0x 5.0	1.0 Ctr	0.93	
I MT20	5.0x 6.0	Ctr-0.5	0.90	
H MT20	4.0x 8.0	Ctr Ctr	0.29	
G MT20	5.0x 7.0	Ctr-0.5	0.96	
D MT20	3.0x 5.0	Ctr Ctr	0.33	
F MT20	2.0x 4.0	Ctr Ctr	0.34	

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed

TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 4450 Lbs
Max tens. force 3998 Lbs
Connector Plate Fabrication
Tolerance = 20%

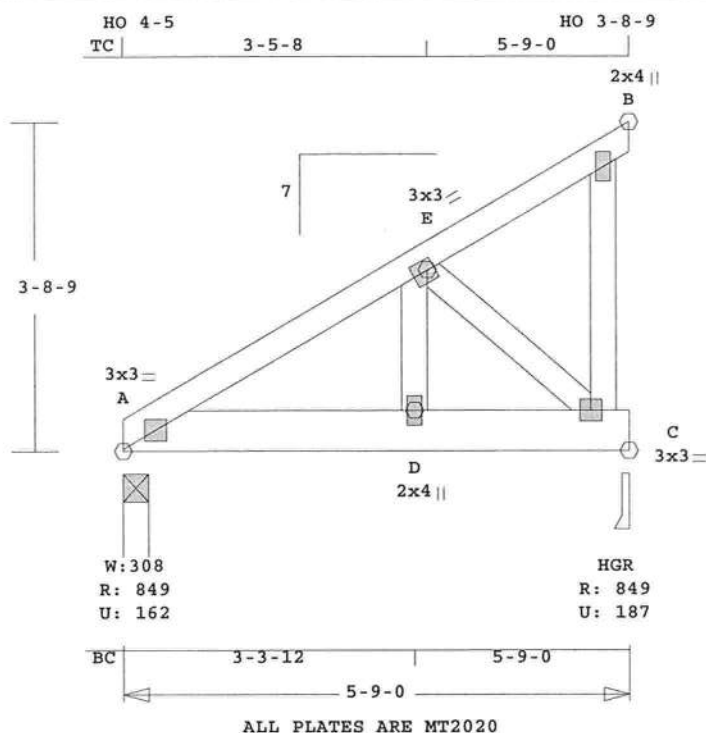
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
JOHNSON-LOT16	MIGIR	1	JCA2	50900	7	0	0	T4039490

LOT 16 RUSSWOOD ESTATES



Scale: 0.458" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.12 2x 4 SP-#2
BC 0.30 2x 6 SP-#2
WB 0.13 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 5- 9- 0
BC Cont. 0- 0- 0 5- 9- 0

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 850 162 U 69 R
C 850 188 U 138 R

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

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 20 40 0.0' 5.8'
BC V 132 112 0.0' 5.8'

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

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -E 0.12 715 C 0.05 0.07
E -B 0.09 73 T 0.00 0.09
-----Bottom Chords-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 42.1 LBS

A -D 0.30 632 T 0.08 0.22
D -C 0.20 632 T 0.08 0.12
-----Webs-----
D -E 0.13 728 T
E -C 0.11 843 C
C -B 0.05 51 C WindLd

TL Defl -0.02" in A -D L/999
LL Defl -0.01" in A -D L/999
Shear // Grain in A -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 3.0x 3.0 Ctr Ctr 0.76
E MT20 3.0x 3.0-0.4-0.3 0.75
B MT20 2.0x 4.0 Ctr Ctr 0.13
D MT20 2.0x 4.0 Ctr Ctr 0.67
C MT20 3.0x 3.0 Ctr Ctr 0.71

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
Girder Common
Loading BC
Span 13- 2- 0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*

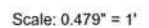
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 843 Lbs
Max tens. force 728 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



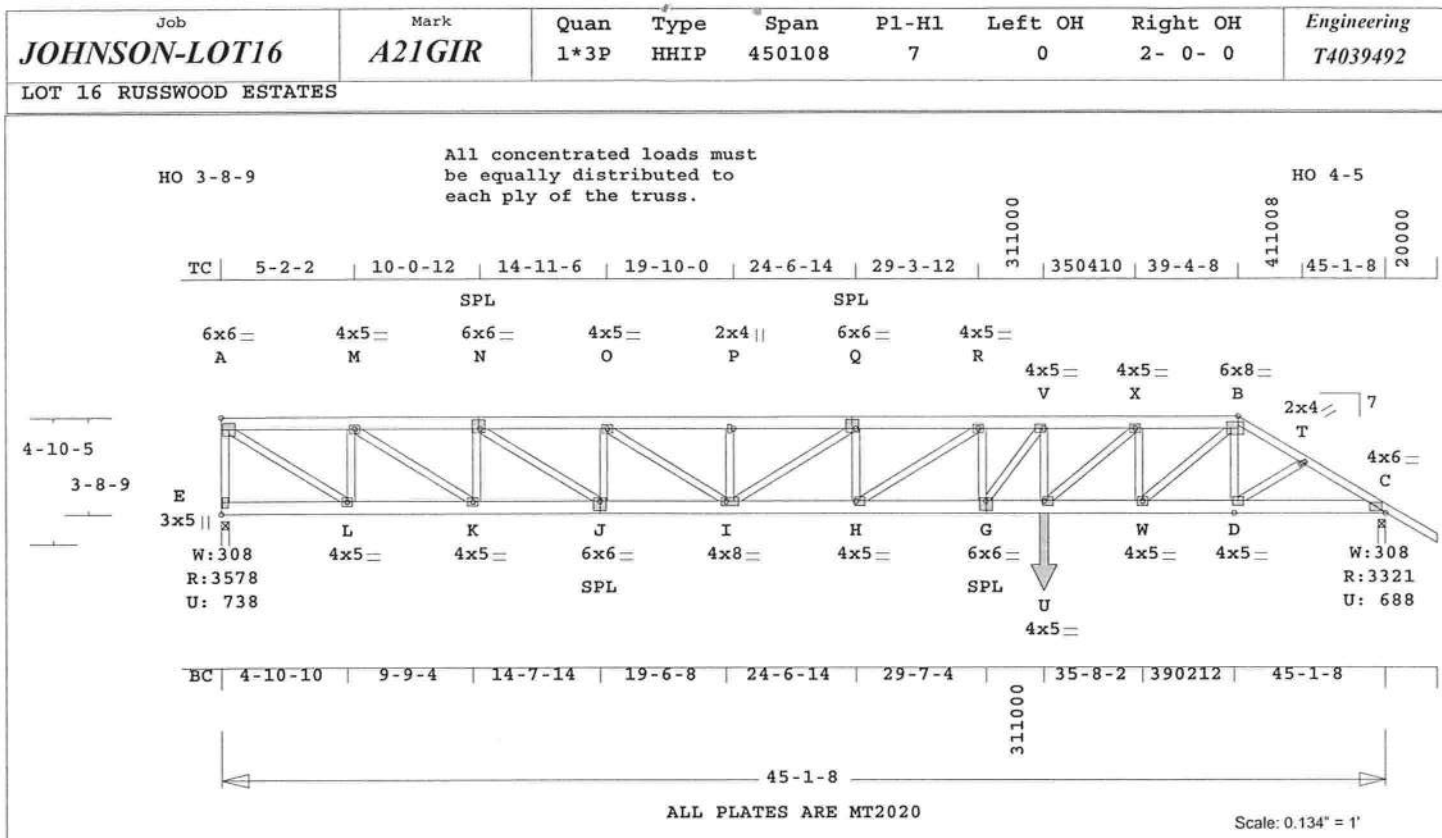
FL Cert. 6634

March 29, 2011

LOT 16 RUSSWOOD ESTATES



March 29, 2011



Online Plus -- Version 28.0.007
 RUN DATE: 29-MAR-11

 * 3-Ply Truss *

CSI -Size- Lumber-
 TC 0.20 2x 6 SP-#2
 -- 0.14 2x 4 SP-#2
 B -C
 BC 0.55 2x 6 SP-#2
 WB 0.35 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 45- 1- 8
 BC Cont. 0- 0- 0 45- 1- 8

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

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 E 3578 739 U 134 R
 C 3321 689 U 59 R

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

LC# 1 Standard Loading
 Dur Fctrs - Lbr 1.25 Plt 1.25
 plf - Dead Live* From To
 TC V 20 40 0.0' 45.1'
 BC V 20 0 0.0' 45.1'
 TC V 19 38 0.0' 30.8'
 BC V 19 0 0.0' 30.8'
 BC V 425 425 31.8' CL-LB

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

Membr CSI P Lbs Ax1-CSI-Bnd
 -----Top Chords-----
 A -M 0.11 4834 C 0.07 0.04
 M -N 0.16 8421 C 0.12 0.04
 N -O 0.18 10905 C 0.15 0.03
 O -P 0.20 12250 C 0.17 0.03
 P -Q 0.20 12250 C 0.17 0.03
 Q -R 0.20 12481 C 0.17 0.03
 R -V 0.17 11546 C 0.16 0.01

MITek® Online Plus™ APPROX. TRUSS WEIGHT: 399.4 LBS
 V -X 0.17 10635 C 0.15 0.02
 X -B 0.12 8114 C 0.11 0.01
 B -T 0.14 5753 C 0.11 0.03
 T -C 0.13 5802 C 0.11 0.02
 -----Bottom Chords-----
 E -L 0.03 106 T 0.00 0.03
 L -K 0.22 4834 T 0.19 0.03
 K -J 0.39 8421 T 0.34 0.05
 J -I 0.49 10905 T 0.44 0.05
 I -H 0.55 12481 T 0.50 0.05
 H -G 0.51 11546 T 0.46 0.05
 G -U 0.47 10634 T 0.43 0.04
 U -W 0.36 8114 T 0.32 0.04
 W -D 0.23 5019 T 0.20 0.03
 D -C 0.23 4973 T 0.20 0.03

-----Webs-----
 E -A 0.11 3481 C WindLd
 A -L 0.35 5809 T
 L -M 0.09 3018 C
 M -K 0.26 4310 T
 K -N 0.07 2207 C
 N -J 0.18 2984 T
 J -O 0.04 1465 C
 O -I 0.09 1615 T
 I -P 0.02 558 C
 P -Q 0.01 377 C
 H -Q 0.01 431 C
 H -R 0.06 1123 T
 G -R 0.03 1077 C
 G -V 0.09 1547 T
 U -V 0.04 1374 C
 U -X 0.20 3357 T
 W -X 0.08 2448 C
 W -B 0.24 4031 T
 D -B 0.00 108 T
 D -T 0.00 94 T

TL Defl -0.73" in I -H L/736
 LL Defl -0.29" in I -H L/999
 Shear // Grain in A -M 0.09

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 6.0x 6.0 Ctr Ctr 0.52
 M MT20 4.0x 5.0 Ctr Ctr 0.64
 N MT20 6.0x 6.0 Ctr 1.2 0.56
 O MT20 4.0x 5.0 Ctr Ctr 0.24
 P MT20 2.0x 4.0 Ctr Ctr 0.13
 Q MT20 6.0x 6.0 Ctr 1.2 0.43
 R MT20 4.0x 5.0 Ctr Ctr 0.17
 V MT20 4.0x 5.0 Ctr Ctr 0.25
 X MT20 4.0x 5.0 Ctr Ctr 0.51
 B MT20 6.0x 8.0 0.5 Ctr 0.62
 T MT20 2.0x 4.0 Ctr Ctr 0.13
 C MT20 4.0x 6.0 Ctr Ctr 0.55
 E MT20 3.0x 5.0 Ctr Ctr 0.24
 L MT20 4.0x 5.0 Ctr Ctr 0.86

REVIEWED BY:
 MITek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2007
 TPI 2002
 3 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS4.5 screws -OR- 16d nails
 as each layer is applied.)
 -----Spacing (In)-----
 Rows Nails Screws Bolts
 TC 1 12 24 0
 BC 2 12 24 0
 WB 1 8 8
 No bolts in 2x4s or smaller.
 Plus clusters of nails where
 shown.

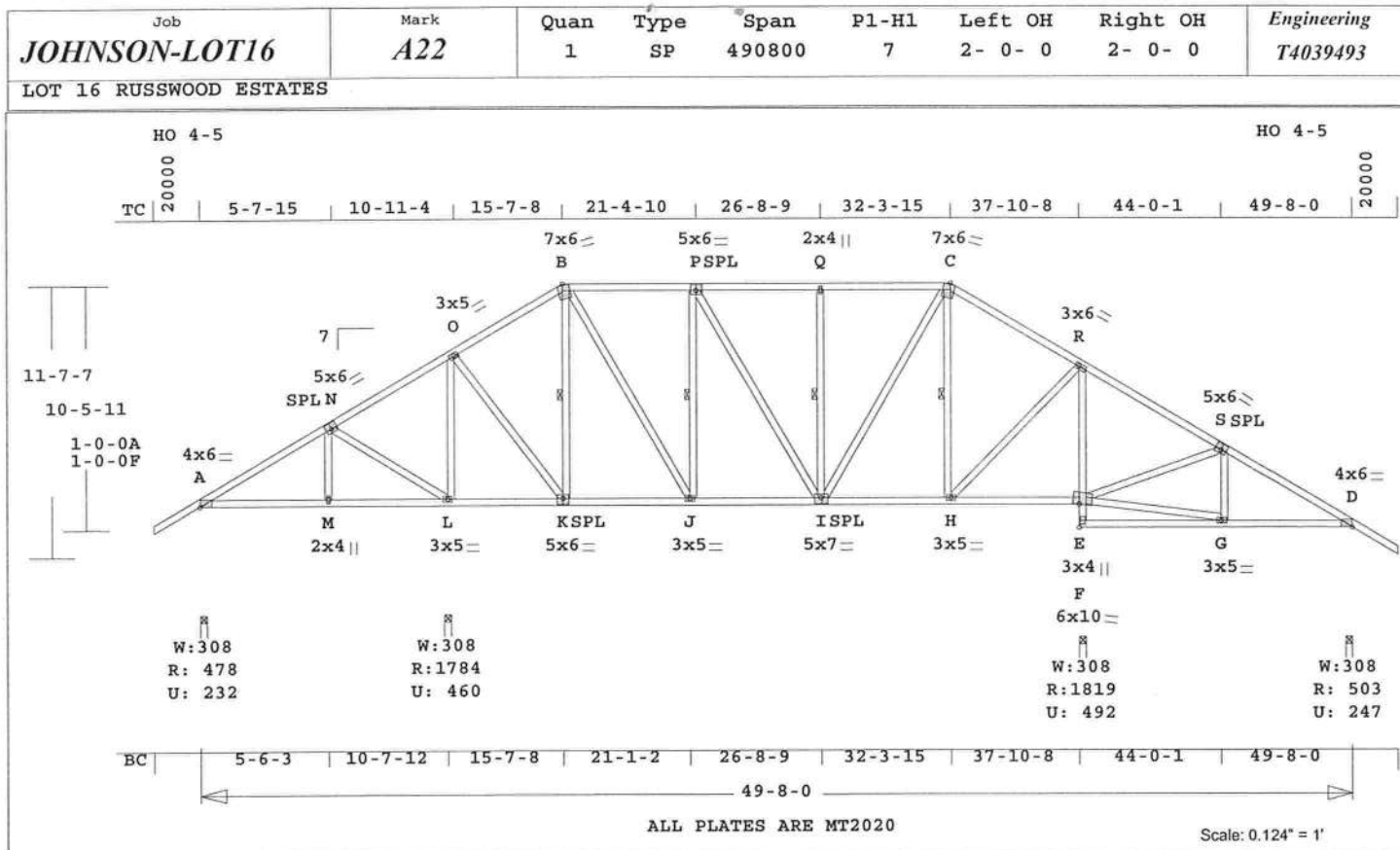
OH Loading
 Soffit psf 2.0
 This truss has been designed
 for 20.0 psf LL on the B.C.
 in areas where a rectangle
 3- 6- 0 tall by
 2- 0- 0 wide
 will fit between the B.C.
 and any other member.
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-05
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 120 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf

Max comp. force 12481 Lbs
 Max tens. force 12481 Lbs
 Connector Plate Fabrication
 Tolerance = 20%
 This truss is designed for a
 creep factor of 1.5 which
 is used to calculate total
 load deflection.



FL Cert. 6634

March 29, 2011



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.40 2x 4 SP-#2
BC 0.35 2x 4 SP-#2
CW 0.74 2x 4 SP-#2
WB 0.91 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 49- 8- 0
BC Cont. 0- 0- 0 49- 8- 0
One Continuous Lateral Brace
K-B J-P I-Q 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 479 233 U 256 R
L 1784 460 U
E 1819 493 U
D 504 247 U 260 R

Jt Brg Size Required
A 3.5" 1.5"
L 3.5" 1.9"
E 3.5" 1.9"
D 3.5" 1.5"

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

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -N 0.28 383 T 0.00 0.28
N -O 0.28 137 T 0.00 0.28
O -B 0.25 580 C 0.00 0.25
B -P 0.27 847 C 0.00 0.27
P -Q 0.27 853 C 0.00 0.27
Q -C 0.26 853 C 0.00 0.26
C -R 0.36 649 C 0.00 0.36
R -S 0.40 177 T 0.04 0.36
S -D 0.31 455 T 0.00 0.31

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 431.1 LBS

-----Bottom Chords-----
A -M 0.18 265 T 0.00 0.18
M -L 0.18 265 T 0.00 0.18
L -K 0.14 284 T 0.00 0.14
K -J 0.29 497 T 0.08 0.21
J -I 0.35 847 T 0.14 0.21
I -H 0.27 554 T 0.09 0.18
H -F 0.17 298 T 0.00 0.17
F -G 0.24 78 C 0.00 0.24
G -D 0.27 319 T 0.03 0.24
-----Chord Webs-----
E -F 0.16 1771 C 0.16 0.00
F -R 0.74 1490 C 0.72 0.02
-----Webs-----
M -N 0.04 245 C
N -L 0.26 570 T
L -O 0.91 1454 C
O -K 0.22 990 T
K -B 0.20 590 C 1 Br
B -J 0.44 682 T
J -P 0.11 347 C 1 Br
P -I 0.03 42 T
I -Q 0.11 332 C 1 Br
I -C 0.38 583 T
H -C 0.17 495 C 1 Br
H -R 0.25 989 T
F -S 0.32 654 T
F -G 0.17 356 T
G -S 0.03 227 T

TL Defl -0.08" in E -G L/999
LL Defl -0.05" in I -H L/999
Shear // Grain in B -P 0.22

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.2 0.1 0.36
N MT20 5.0x 6.0 0.3 0.5 0.45
O MT20 3.0x 5.0 Ctr Ctr 0.75
B MT20 7.0x 6.0 1.1-4.2 0.52
P MT20 5.0x 6.0 Ctr 0.5 0.42
Q MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 7.0x 6.0 1.1-4.2 0.52
R MT20 3.0x 6.0 0.9-0.5 0.81
S MT20 5.0x 6.0 0.3 0.5 0.45
D MT20 4.0x 6.0 0.2 0.1 0.36
M MT20 2.0x 4.0 Ctr Ctr 0.34
L MT20 3.0x 5.0 Ctr Ctr 0.51
K MT20 5.0x 6.0 Ctr-0.5 0.42
J MT20 3.0x 5.0 Ctr Ctr 0.46
I MT20 5.0x 7.0 0.5-0.5 0.47
H MT20 3.0x 5.0 Ctr Ctr 0.61
F MT20 6.0x10.0 0.1 1.0 0.35
E MT20 3.0x 4.0 Ctr Ctr 0.83
G MT20 3.0x 5.0 1.2 0.1 0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 10- 7-12
37-10- 8 49- 8- 0
Max comp. force 1771 Lbs
Max tens. force 990 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

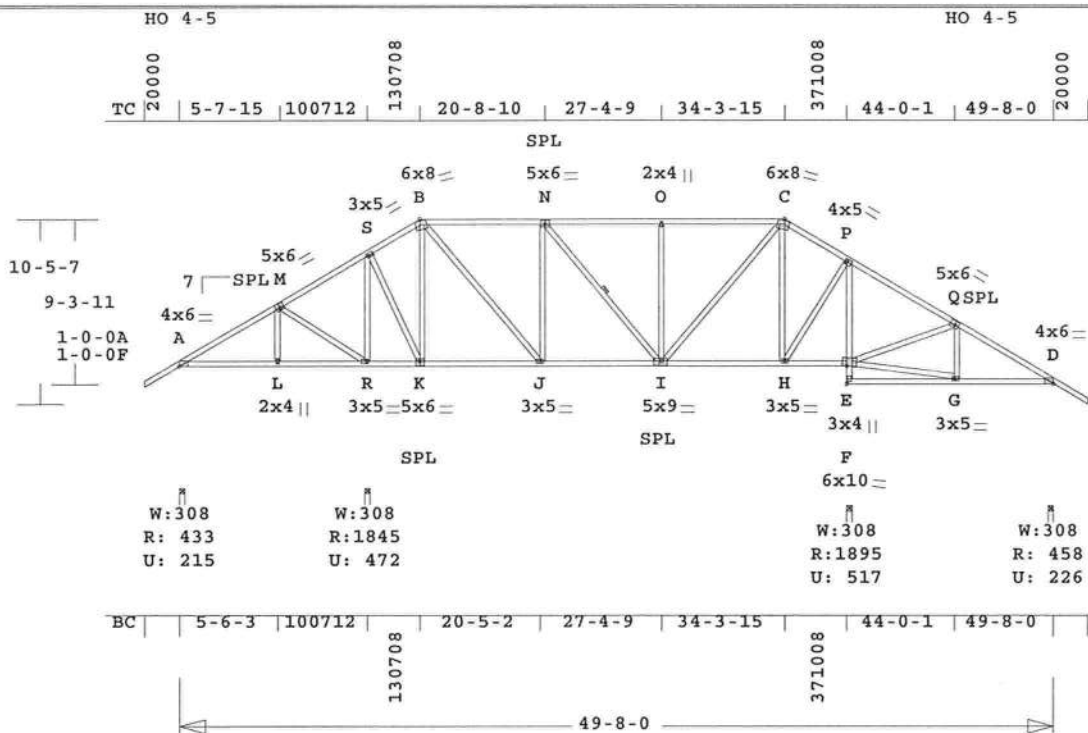


FL Cert. 6634

March 29, 2011

Job JOHNSON-LOT16	Mark A23	Quan 1	Type SP	Span 490800	P1-H1 7	Left OH 2- 0- 0	Right OH 2- 0- 0	Engineering T4039494
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LOT 16 RUSSWOOD ESTATES



ALL PLATES ARE MT2020

Scale: 0.091" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.44 2x 4 SP-#2
BC 0.46 2x 4 SP-#2
CW 0.84 2x 4 SP-#2
WB 0.94 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 49- 8- 0
BC Cont. 0- 0- 0 49- 8- 0
One Continuous Lateral Brace
N - 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 434 216 U 225 R
R 1845 472 U
E 1896 518 U
D 459 227 U 228 R

Jt Brg Size Required
A 3.5" 1.5"
R 3.5" 2.0"
E 3.5" 2.0"
D 3.5" 1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -M 0.29 328 T 0.00 0.29
M -S 0.31 218 T 0.02 0.29
S -B 0.17 368 C 0.00 0.17
B -N 0.44 917 C 0.00 0.44
N -O 0.44 914 C 0.00 0.44
O -C 0.44 914 C 0.00 0.44
C -P 0.27 435 C 0.00 0.27
P -Q 0.37 290 T 0.03 0.34
Q -D 0.34 396 T 0.00 0.34

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 415.4 LBS

-----Bottom Chords-----
A -L 0.19 194 T 0.02 0.17
L -R 0.19 194 T 0.02 0.17
R -K 0.21 326 T 0.00 0.21
K -J 0.36 317 T 0.05 0.31
J -I 0.46 917 T 0.15 0.31
I -H 0.33 370 T 0.06 0.27
H -F 0.23 368 T 0.00 0.23
E -G 0.24 21 C 0.00 0.24
G -D 0.26 266 C 0.02 0.24

-----Chord Webs-----
E -F 0.17 1848 C 0.17 0.00
F -P 0.84 1611 C 0.84 0.00

-----Webs-----
L -M 0.04 237 C
M -R 0.25 569 T
R -S 0.94 1548 C
S -K 0.21 1122 T
K -B 0.78 788 C
B -J 0.58 924 T
J -N 0.41 419 C
N -I 0.00 24 T
I -O 0.41 423 C
I -C 0.56 837 T
H -C 0.69 704 C
H -P 0.23 1119 T
F -Q 0.34 677 T
F -G 0.16 273 C
G -Q 0.03 240 T

TL Defl -0.14" in I -H L/999
LL Defl -0.07" in I -H L/999
Shear // Grain in B -N 0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.2 0.1 0.36
M MT20 5.0x 6.0 0.3 0.5 0.45
S MT20 3.0x 5.0 Ctr Ctr 0.91
B MT20 6.0x 8.0 1.1-3.9 0.45
N MT20 5.0x 6.0 Ctr 0.5 0.39
O MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 6.0x 8.0-1.1-3.9 0.41
P MT20 4.0x 5.0 0.9-0.5 0.80
Q MT20 5.0x 6.0 0.3 0.5 0.45
D MT20 4.0x 6.0-0.2 0.1 0.36
L MT20 2.0x 4.0 Ctr Ctr 0.34
R MT20 3.0x 5.0 Ctr Ctr 0.54
K MT20 5.0x 6.0 Ctr-0.5 0.57
J MT20 3.0x 5.0 Ctr Ctr 0.58
I MT20 5.0x 9.0 1.0-0.5 0.48
H MT20 3.0x 5.0 Ctr Ctr 0.74
F MT20 6.0x10.0 0.1 1.0 0.35
E MT20 3.0x 4.0 Ctr Ctr 0.87
G MT20 3.0x 5.0-1.2 0.1 0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

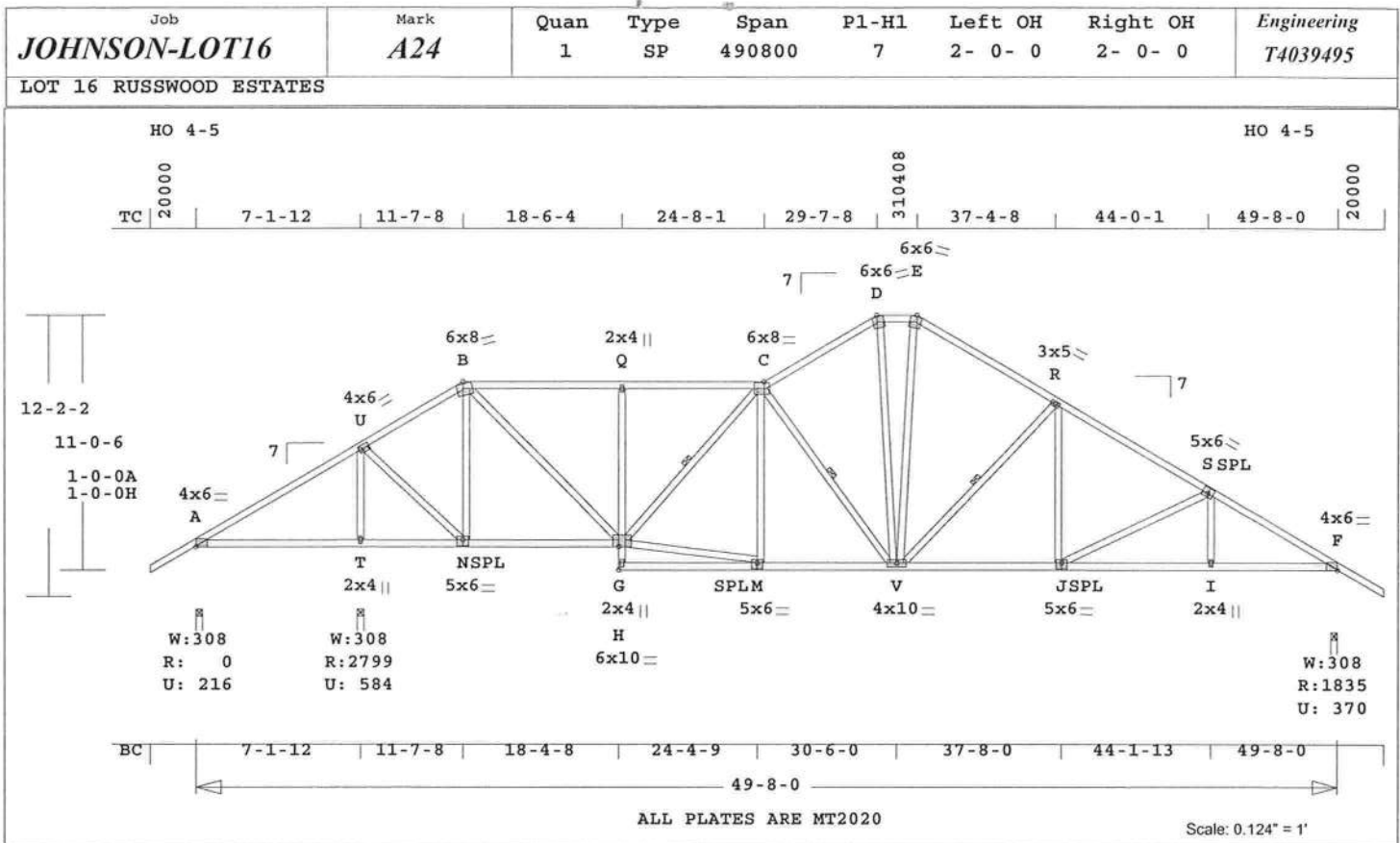
REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 10- 7-12
37-10- 8 49- 8- 0
Max comp. force 1848 Lbs
Max tens. force 1122 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29, 2011



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.69 2x 4 SP-#2
BC 0.68 2x 4 SP-#2
CW 0.19 2x 4 SP-#2
WB 0.96 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 49- 8- 0
BC Cont. 0- 0- 0 49- 8- 0
One Continuous Lateral Brace
H -C C -V V -R
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 217 U 269 R
T 2799 584 U
F 1836 371 U 273 R

Jt Brg Size Required
A 3.5" 1.5"
T 3.5" 3.0"
F 3.5" 2.2"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -U 0.69 1044 T 0.19 0.50
U -B 0.50 705 C 0.00 0.50
B -Q 0.37 1792 C 0.02 0.35
Q -C 0.36 1785 C 0.01 0.35
C -D 0.33 1792 C 0.03 0.30
D -E 0.19 1607 C 0.12 0.07
E -R 0.45 1816 C 0.12 0.33
R -S 0.46 2420 C 0.13 0.33
S -F 0.38 2866 C 0.15 0.23
-----Bottom Chords-----
A -T 0.38 886 C 0.01 0.37
T -N 0.29 886 C 0.04 0.25
N -H 0.33 599 T 0.10 0.23
G -M 0.21 63 C 0.00 0.21
M -V 0.53 2079 T 0.34 0.19
V -J 0.62 2096 T 0.35 0.27
J -I 0.68 2474 T 0.41 0.27
I -F 0.58 2474 T 0.41 0.17

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 419.3 LBS

-----Chord-Webs-----
G -H 0.12 97 T 0.01 0.11
H -Q 0.19 382 C 0.08 0.11
-----Webs-----
T -U 0.74 2628 C
U -N 0.36 1986 T
N -B 0.82 1143 C
B -H 0.96 1690 T
H -C 0.14 439 C
H -M 0.39 2127 T
M -C 0.21 229 C
C -V 0.31 840 C
D -V 0.57 673 T
V -E 0.58 700 T
V -R 0.30 766 C
J -R 0.08 443 T
J -S 0.37 456 C
I -S 0.03 215 T

TL Defl -0.14" in A -T L/558
LL Defl -0.06" in A -T L/999
Shear // Grain in A -U 0.27

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.2 0.1 0.36
U MT20 4.0x 6.0 Ctr Ctr 0.89
B MT20 6.0x 8.0 1.1-3.9 0.82
Q MT20 2.0x 4.0 Ctr Ctr 0.33
C MT20 6.0x 8.0-1.0 Ctr 0.40
D MT20 6.0x 6.0 1.0-3.7 0.33
E MT20 6.0x 6.0-1.0-3.7 0.33
R MT20 3.0x 5.0 Ctr Ctr 0.36
S MT20 5.0x 6.0 0.3 0.5 0.45
F MT20 4.0x 6.0-0.2 0.1 0.82
T MT20 2.0x 4.0 Ctr Ctr 0.92
N MT20 5.0x 6.0 Ctr-0.5 0.77
H MT20 6.0x10.0 Ctr 1.2 0.50
G MT20 2.0x 4.0 Ctr Ctr 0.58
M MT20 5.0x 6.0 Ctr-0.5 0.80
V MT20 4.0x10.0 Ctr Ctr 0.54
J MT20 5.0x 6.0 Ctr-0.5 0.57
I MT20 2.0x 4.0 Ctr Ctr 0.34

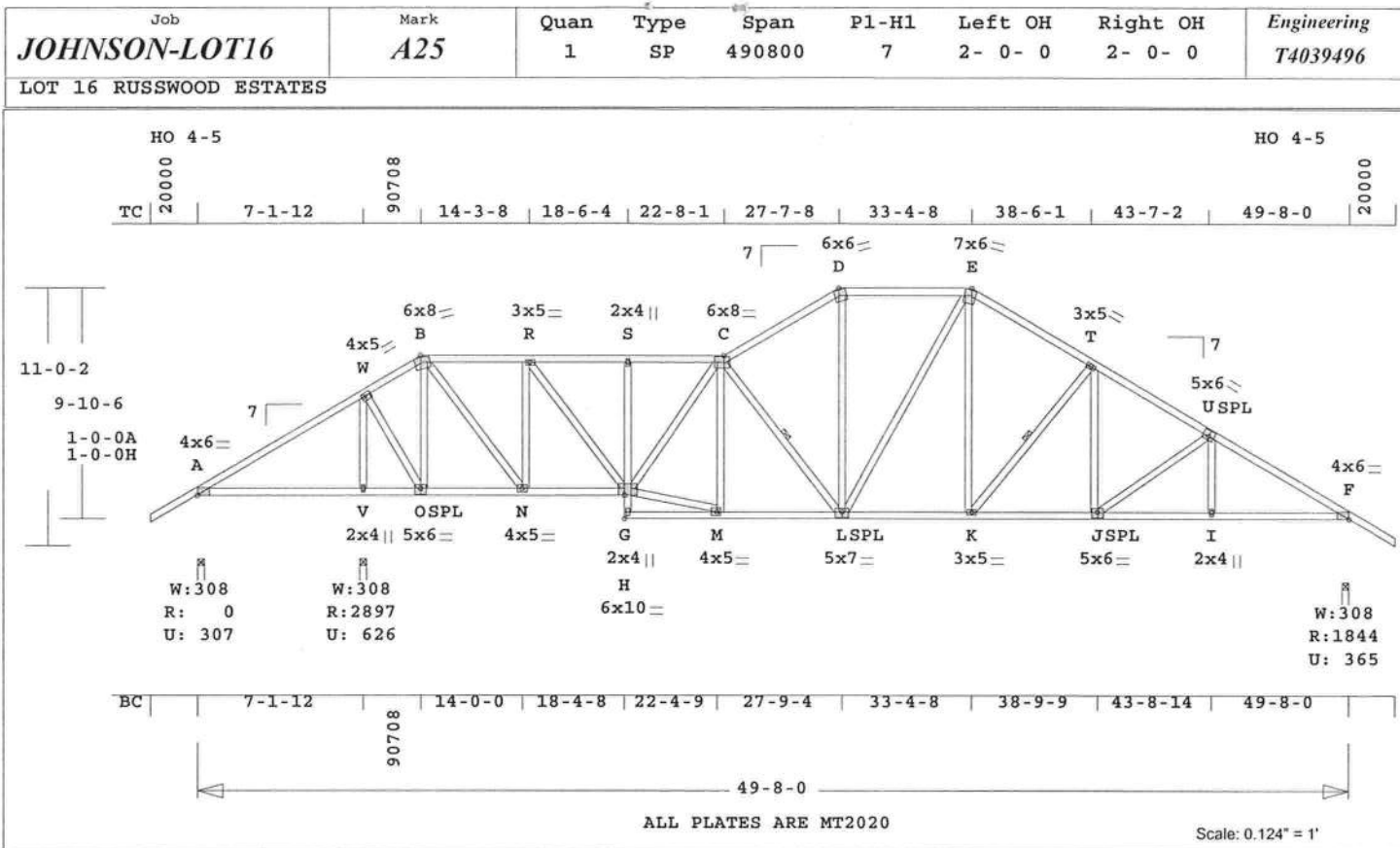
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed

for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 7- 1-12
Max comp. force 2866 Lbs
Max tens. force 2474 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.





Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

TC	0.77	2x 4	SP-#2
BC	0.55	2x 4	SP-#2
CW	0.14	2x 4	SP-#2
WB	0.80	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	49- 8- 0
BC Cont.	0- 0- 0	49- 8- 0

One Continuous Lateral Brace
C -L K -T
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	307	G	237
V	2897	626	U
F	1844	365	U
G			242

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
V	3.5"	3.1"
F	3.5"	2.2"

Plus 9 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Plus 1 BC LL Load Case(s)

Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd

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

A -W	0.77	1289	T	0.23	0.54
W -B	0.54	201	T <td>0.00</td> <td>0.54</td>	0.00	0.54
B -R	0.19	1109	C <td>0.08</td> <td>0.11</td>	0.08	0.11
R -S	0.23	1975	C <td>0.12</td> <td>0.11</td>	0.12	0.11
S -C	0.32	1970	C <td>0.02</td> <td>0.30</td>	0.02	0.30
C -D	0.34	2036	C <td>0.04</td> <td>0.30</td>	0.04	0.30
D -E	0.34	1780	C <td>0.03</td> <td>0.31</td>	0.03	0.31
E -T	0.31	2049	C <td>0.02</td> <td>0.29</td>	0.02	0.29
T -U	0.32	2496	C <td>0.14</td> <td>0.18</td>	0.14	0.18
U -F	0.33	2852	C <td>0.14</td> <td>0.19</td>	0.14	0.19

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

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 426.9 LBS

A -V	0.42	1095	C	0.02	0.40
V -O <td>0.37 <td>1095 <td>C <td>0.05 <td>0.32</td> </td></td></td></td>	0.37 <td>1095 <td>C <td>0.05 <td>0.32</td> </td></td></td>	1095 <td>C <td>0.05 <td>0.32</td> </td></td>	C <td>0.05 <td>0.32</td> </td>	0.05 <td>0.32</td>	0.32
O -N <td>0.13 <td>229 <td>C <td>0.00 <td>0.13</td> </td></td></td></td>	0.13 <td>229 <td>C <td>0.00 <td>0.13</td> </td></td></td>	229 <td>C <td>0.00 <td>0.13</td> </td></td>	C <td>0.00 <td>0.13</td> </td>	0.00 <td>0.13</td>	0.13
N -H <td>0.28 <td>1109 <td>T <td>0.18</td> <td>0.10</td> </td></td></td>	0.28 <td>1109 <td>T <td>0.18</td> <td>0.10</td> </td></td>	1109 <td>T <td>0.18</td> <td>0.10</td> </td>	T <td>0.18</td> <td>0.10</td>	0.18	0.10
G -M <td>0.12 <td>68</td> <td>T <td>0.00</td> <td>0.12</td> </td></td>	0.12 <td>68</td> <td>T <td>0.00</td> <td>0.12</td> </td>	68	T <td>0.00</td> <td>0.12</td>	0.00	0.12
M -L <td>0.52 <td>2208 <td>T <td>0.37</td> <td>0.15</td> </td></td></td>	0.52 <td>2208 <td>T <td>0.37</td> <td>0.15</td> </td></td>	2208 <td>T <td>0.37</td> <td>0.15</td> </td>	T <td>0.37</td> <td>0.15</td>	0.37	0.15
L -K <td>0.48 <td>1767 <td>T <td>0.29</td> <td>0.19</td> </td></td></td>	0.48 <td>1767 <td>T <td>0.29</td> <td>0.19</td> </td></td>	1767 <td>T <td>0.29</td> <td>0.19</td> </td>	T <td>0.29</td> <td>0.19</td>	0.29	0.19
K -J <td>0.55 <td>2156 <td>T <td>0.36</td> <td>0.19</td> </td></td></td>	0.55 <td>2156 <td>T <td>0.36</td> <td>0.19</td> </td></td>	2156 <td>T <td>0.36</td> <td>0.19</td> </td>	T <td>0.36</td> <td>0.19</td>	0.36	0.19
J -I <td>0.52 <td>2459 <td>T <td>0.41</td> <td>0.11</td> </td></td></td>	0.52 <td>2459 <td>T <td>0.41</td> <td>0.11</td> </td></td>	2459 <td>T <td>0.41</td> <td>0.11</td> </td>	T <td>0.41</td> <td>0.11</td>	0.41	0.11
I -F <td>0.54 <td>2459 <td>T <td>0.41</td> <td>0.13</td> </td></td></td>	0.54 <td>2459 <td>T <td>0.41</td> <td>0.13</td> </td></td>	2459 <td>T <td>0.41</td> <td>0.13</td> </td>	T <td>0.41</td> <td>0.13</td>	0.41	0.13

-----Chord-Webs-----

G -H	0.14	61	T	0.00	0.14
H -S <td>0.07 <td>207 <td>C <td>0.01 <td>0.06</td> </td></td></td></td>	0.07 <td>207 <td>C <td>0.01 <td>0.06</td> </td></td></td>	207 <td>C <td>0.01 <td>0.06</td> </td></td>	C <td>0.01 <td>0.06</td> </td>	0.01 <td>0.06</td>	0.06

-----Webs-----

V -W	0.75	2669	C
W -O <td>0.35 <th>1897</th> <td>T</td> </td>	0.35 <th>1897</th> <td>T</td>	1897	T
O -B <td>0.80 <th>1632</th> <td>C</td> </td>	0.80 <th>1632</th> <td>C</td>	1632	C
B -N <td>0.60 <th>1910</th> <td>T</td> </td>	0.60 <th>1910</th> <td>T</td>	1910	T
N -R <td>0.68 <th>1385</th> <td>C</td> </td>	0.68 <th>1385</th> <td>C</td>	1385	C
R -H <td>0.41 <th>1420</th> <td>T</td> </td>	0.41 <th>1420</th> <td>T</td>	1420	T
H -C <td>0.28 <th>404</th> <td>C</td> </td>	0.28 <th>404</th> <td>C</td>	404	C
H -M <td>0.40 <th>2205</th> <td>T</td> </td>	0.40 <th>2205</th> <td>T</td>	2205	T
M -C <td>0.30 <th>446</th> <td>C</td> </td>	0.30 <th>446</th> <td>C</td>	446	C
C -L <td>0.19 <th>680</th> <td>C</td> </td>	0.19 <th>680</th> <td>C</td>	680	C
L -D <td>0.35 <th>656</th> <td>T</td> </td>	0.35 <th>656</th> <td>T</td>	656	T
L -E <td>0.19 <th>124</th> <td>T</td> </td>	0.19 <th>124</th> <td>T</td>	124	T
K -E <td>0.30 <th>679</th> <td>T</td> </td>	0.30 <th>679</th> <td>T</td>	679	T
K -T <td>0.17 <th>595</th> <td>C</td> </td>	0.17 <th>595</th> <td>C</td>	595	C
J -T <td>0.07 <th>381</th> <td>T</td> </td>	0.07 <th>381</th> <td>T</td>	381	T
J -U <td>0.22 <th>392</th> <td>C</td> </td>	0.22 <th>392</th> <td>C</td>	392	C
I -U <td>0.03 <th>199</th> <td>T</td> </td>	0.03 <th>199</th> <td>T</td>	199	T

TL Defl -0.13" in A -V L/600

LL Defl -0.05" in A -V L/999

Shear // Grain in A -W 0.27

Plates for each ply each face.

Plate - MT20 20 Ga, Gross Area

Plate - MT2H 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A MT20	4.0x 6.0	0.2	0.1	0.38
W MT20	4.0x 5.0	0.0	0.5	0.86
B MT20	6.0x 8.0	1.1-3.9	0.94	
R MT20	3.0x 5.0	0.5	0.85	
S MT20	2.0x 4.0	0.0	0.34	
C MT20	6.0x 8.0-1.0	0.0	0.39	
D MT20	6.0x 6.0	1.0-3.7	0.36	
E MT20	7.0x 6.0-1.1-4.2	0.52		
T MT20	3.0x 5.0	0.0	0.36	
U MT20	5.0x 6.0	0.3	0.45	
F MT20	4.0x 6.0-0.2	0.1	0.82	
V MT20	2.0x 4.0	0.0	0.94	
O MT20	5.0x 6.0	0.0	0.88	
N MT20	4.0x 5.0	0.0	0.91	
H MT20	6.0x10.0	0.0	1.2	0.45
G MT20	2.0x 4.0	0.0	0.58	
M MT20	4.0x 5.0-2.2	0.3	0.80	
L MT20	5.0x 7.0	0.0	0.46	

REVIEWED BY:

MiTek Industries, Inc.

6904 Parke East Blvd.

Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 7- 1-12

Max comp. force 2852 Lbs

Max tens. force 2459 Lbs

Connector Plate Fabrication
Tolerance = 20%

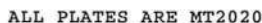
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29,2011

LOT 16 RUSSWOOD ESTATES



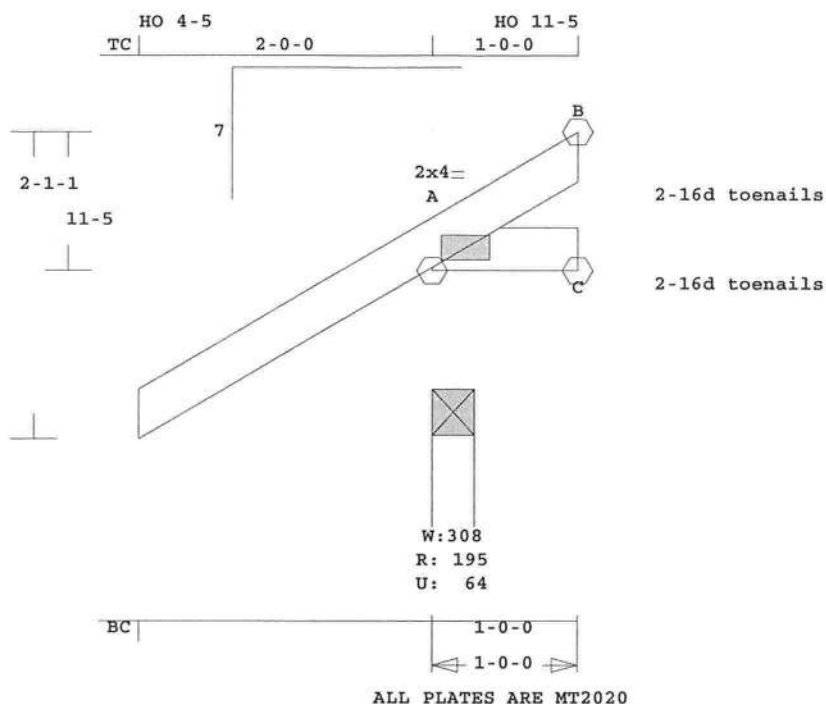
Scale: 0.124" = 1'

FL Cert. 6634

March 29, 2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
JOHNSON-LOT16	J9	18	JCA2	10000	7	2- 0- 0	0	T4039498

LOT 16 RUSSWOOD ESTATES



Scale: 0.760" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 1- 0- 0
BC Cont. 0- 0- 0 1- 0- 0

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 196 65 U 21 R
B 13 15 U
C 12 8 U 13 R

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

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

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.00 13 C
-----Bottom Chords-----
A -C 0.00 13 T

TL Defl 0.00" in I -M L/999
LL Defl 0.00" in I -M L/999
Shear // Grain in A -C 0.04

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 8.8 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

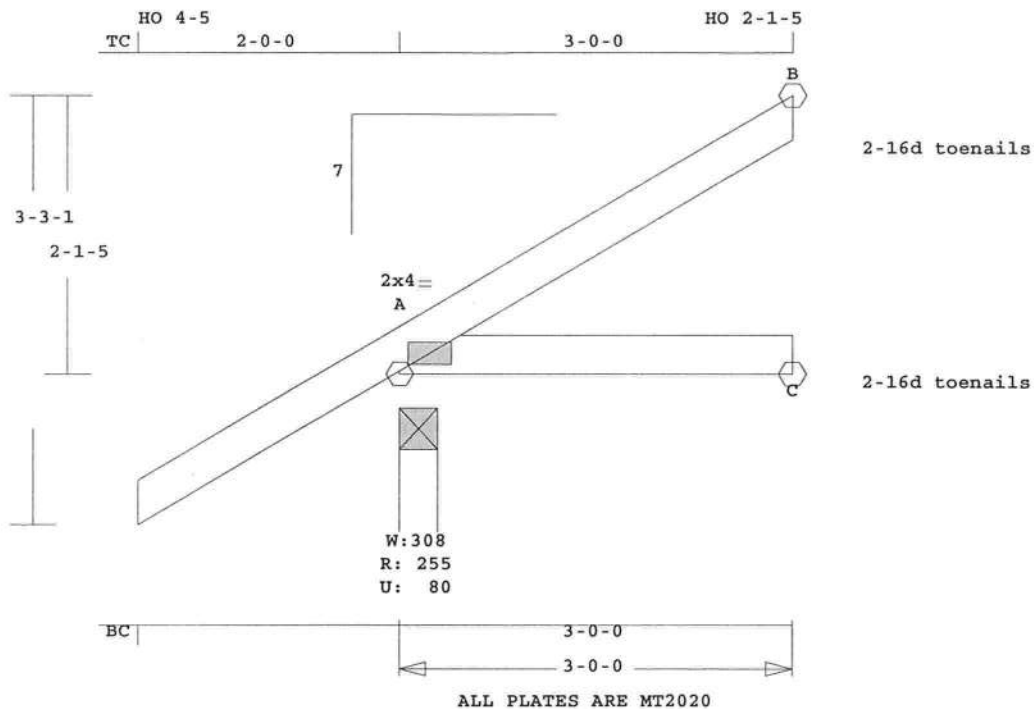
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 1- 0- 0
Max comp. force 13 Lbs
Max tens. force 13 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	J8	10	JCA2	30000	7	2- 0- 0	0	T4039499

LOT 16 RUSSWOOD ESTATES



Scale: 0.683" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ----Lumber----
TC 0.10 2x 4 SP-#2
BC 0.13 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 3- 0- 0
BC Cont. 0- 0- 0 3- 0- 0

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 255 80 U 63 R
C 56 28 U
B 77 53 U 42 R

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

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

Membr CSI P Lbs Axl-C SI-Bnd
-----Top Chords-----
A -B 0.10 62 C 0.00 0.10
-----Bottom Chords-----
A -C 0.13 0 T 0.00 0.13

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.16

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 16.9 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

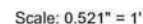
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 3- 0- 0
Max comp. force 62 Lbs
Max tens. force 30 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

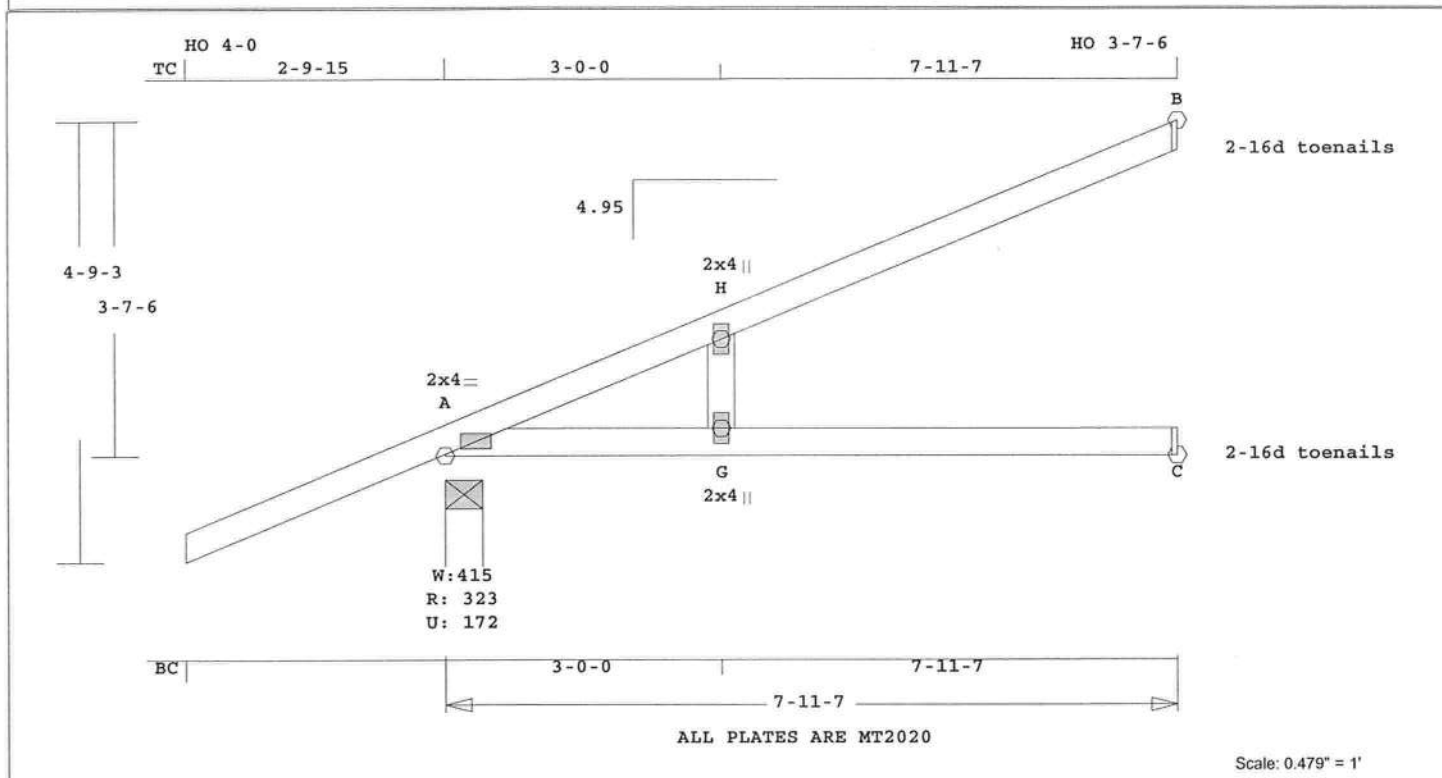
LOT 16 RUSSWOOD ESTATES



March 29, 2011

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	CJ4	1	MONO.DD	71107	4.95	2- 9-15	0	T4039501

LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

TC	0.99	2x 4	SP-#2
BC	0.99	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	7- 7-15
BC Cont.	0- 0- 0	7- 7-15

psf-Ld Dead Live

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	324	172 U	99 R
C	161	65 U	
B	227	132 U	67 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

LC# 1 Girder Loading

Dur Fctrs	- Lbr	1.25	Plt	1.25
plf	- Dead	Live*	From	To
TC V	20	40	0.0'	8.0'
BC V	20	0	0.0'	8.0'
TC V	-20	-40	0.0'	
	13	25		8.0'
BC V	-20	0	0.0'	
	13	0		8.0'

Plus 7 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-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 39.2 LBS

A -H	0.75	212 C	0.00	0.75
H -B	0.99	195 C	0.00	0.99
-----Bottom Chords-----				
A -G	0.93	0 T	0.00	0.93
G -C	0.99	0 T	0.00	0.99
-----Webs-----				
G -H	0.02	292 C	WindLd	

TL Defl	-0.35"	in G -C	L/245
LL Defl	-0.14"	in G -C	L/606
Hz Disp	LL	DL	TL
Jt B	0.04"	0.00"	0.03"
Shear //	Grain	in H -B	0.43

Plates for each ply each face.

Plate	- MT20	20 Ga,	Gross Area
Plate	- MT2H	20 Ga,	Gross Area
Jt Type	Plt Size	X Y	JSI
A	MT20	2.0x 4.0	Ctr Ctr 0.68
H	MT20	2.0x 4.0	Ctr Ctr 0.12
G	MT20	2.0x 4.0	Ctr Ctr 0.12

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

Girder King Jack
Loading TC and BC
Setback 5- 7- 8
OH Loading

Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for

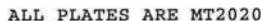
loads framing into girder
truss.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 7-11- 7
Max comp. force 292 Lbs
Max tens. force 110 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29, 2011

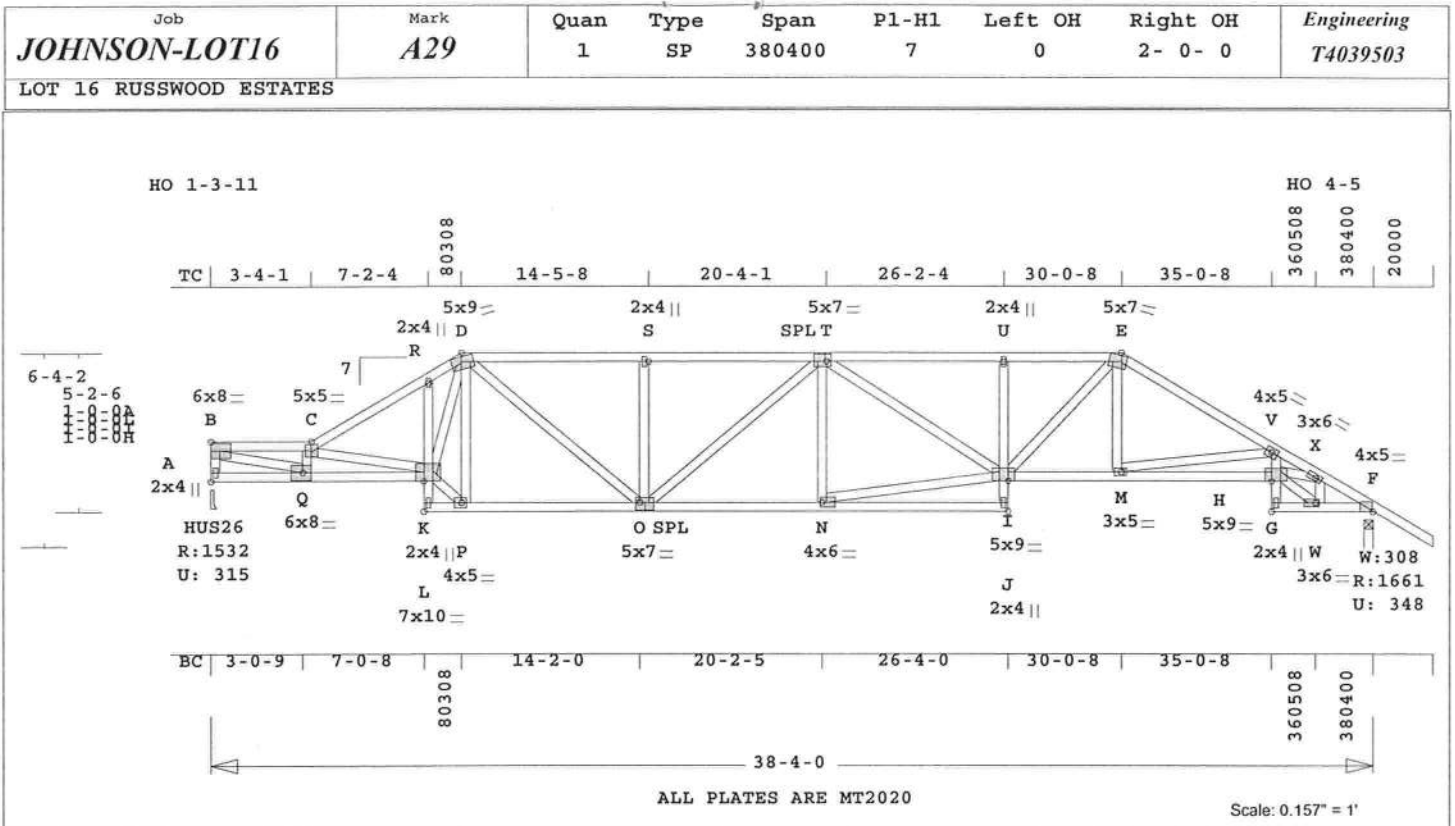
LOT 16 RUSSWOOD ESTATES



Scale: 0.157" = 1'

FL Cert. 6634

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Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.57 2x 4 SP-#2
BC 0.84 2x 4 SP-#1
-- 0.62 2x 4 SP-#2
K-O O-J G-F
CW 0.51 2x 4 SP-#2
WB 0.86 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 38- 4- 0
BC Cont. 0- 0- 0 38- 4- 0

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1533 316 U 123 R
F 1662 348 U 105 R

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

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
B-C 0.39 4169 C 0.12 0.27
C-R 0.57 3117 C 0.09 0.48
R-D 0.36 3073 C 0.06 0.30
D-S 0.40 2801 C 0.09 0.31
S-T 0.38 2801 C 0.05 0.33
T-U 0.40 3184 C 0.12 0.28
U-E 0.32 3199 C 0.19 0.13
E-V 0.44 2946 C 0.10 0.34
V-X 0.36 5114 C 0.29 0.07
X-F 0.18 2425 C 0.04 0.14
-----Bottom Chords-----
A-Q 0.27 107 T 0.00 0.27
Q-L 0.84 4335 T 0.57 0.27
L-P 0.18 83 T 0.00 0.18
P-O 0.48 2001 T 0.33 0.15
O-N 0.62 2988 T 0.50 0.12
N-J 0.23 168 T 0.01 0.22
J-M 0.49 2548 T 0.33 0.16
M-H 0.84 4513 T 0.59 0.25
H-G 0.17 241 T 0.04 0.13
G-W 0.48 2036 T 0.34 0.14
-----Chord-Webs-----
K-L 0.17 68 C 0.00 0.17
L-R 0.23 185 C 0.00 0.23
R-I 0.35 96 T 0.00 0.35
I-U 0.12 301 C 0.00 0.12

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 307.7 LBS

G-H 0.51 62 T 0.01 0.50
H-V 0.38 1240 T 0.22 0.16

-----Webs-----
A-B 0.13 1440 C Windld
B-Q 0.81 4394 T
Q-C 0.13 1439 C
C-L 0.42 1645 C
L-P 0.45 2453 T
L-D 0.39 2147 T
P-D 0.51 1388 C
D-O 0.40 1021 T
O-S 0.13 375 C
O-T 0.21 244 C
N-T 0.12 334 C
N-I 0.63 2859 T
T-I 0.05 232 T
I-E 0.18 935 T
M-E 0.09 524 T
M-V 0.86 1977 C
H-X 0.44 2389 T
H-W 0.40 2197 T
W-X 0.13 1416 C

TL Defl -0.77" in N-J L/586
LL Defl -0.30" in O-N L/999
Shear // Grain in G-H 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
B MT20 6.0x 8.0 0.5 Ctr 0.96
C MT20 5.0x 5.0 Ctr Ctr 0.93
R MT20 2.0x 4.0 Ctr Ctr 0.34
D MT20 5.0x 9.0 0.5-3.8 0.99
S MT20 2.0x 4.0 Ctr Ctr 0.34
T MT20 5.0x 7.0-1.0 0.5 0.46
U MT20 2.0x 4.0 Ctr Ctr 0.33
E MT20 5.0x 7.0-1.4-3.3 0.79
V MT20 4.0x 5.0 Ctr Ctr 0.93
X MT20 3.0x 6.0-0.4 0.3 0.89
F MT20 4.0x 5.0 Ctr 0.1 0.79
A MT20 2.0x 4.0 Ctr Ctr 0.53
Q MT20 6.0x 8.0-2.2 Ctr 0.96
L MT20 7.0x10.0 Ctr 1.8 0.78
K MT20 2.0x 4.0 Ctr Ctr 0.58
P MT20 4.0x 5.0-0.5 Ctr 0.94
O MT20 5.0x 7.0 Ctr-0.5 0.76
N MT20 4.0x 6.0 2.2 0.1 0.90
J MT20 2.0x 4.0 Ctr Ctr 0.58
I MT20 5.0x 9.0 Ctr Ctr 0.8 0.65
M MT20 3.0x 5.0 1.2 0.1 0.74
H MT20 5.0x 9.0 Ctr 0.8 0.96
G MT20 2.0x 4.0 Ctr Ctr 0.58
W MT20 3.0x 6.0-1.5 Ctr 0.88

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:

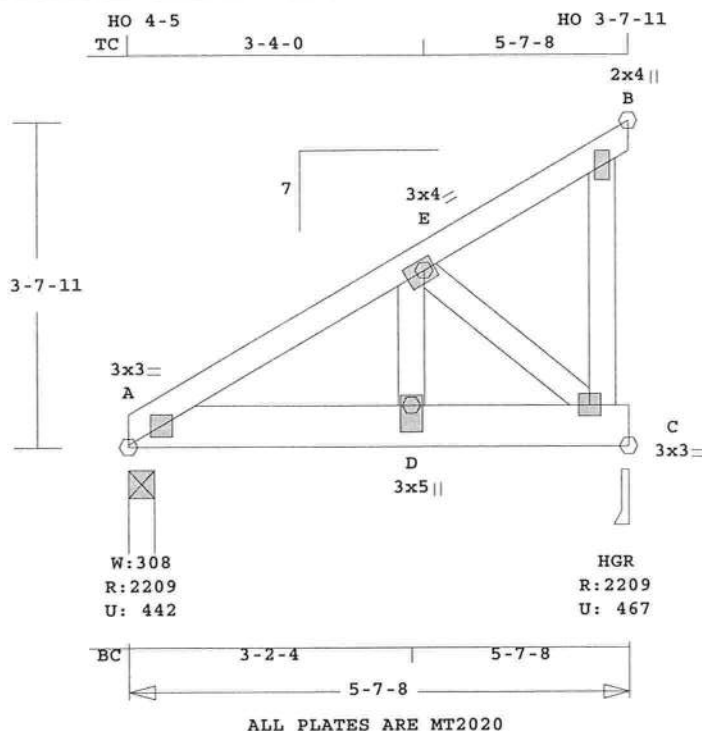
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 5114 Lbs
Max tens. force 4513 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	M2GIR	1*2P	JCA2	50708	7	0	0	T4039504

LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
 RUN DATE: 29-MAR-11

 * 2-Ply Truss *

CSI -Size- ---Lumber---
 TC 0.14 2x 4 SP-#2
 BC 0.40 2x 6 SP-#2
 WB 0.19 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 5- 7- 8
 BC Cont. 0- 0- 0 5- 7- 8

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

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 2210 443 U 74 R
 C 2210 468 U 148 R

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

LC# 1 Girder Loading
 Dur Fctrs - Lbr 1.25 Plt 1.25
 plf - Dead Live* From To
 TC V 20 40 0.0' 5.6'
 BC V 383 363 0.0' 5.6'

Plus 8 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 -E 0.14 1877 C 0.00 0.14
 E -B 0.05 72 T 0.00 0.05
 -----Bottom Chords-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 41.1 LBS

A -D 0.40 1658 T 0.11 0.29
 D -C 0.28 1658 T 0.11 0.17
 -----Webs-----
 D -E 0.19 2125 T
 E -C 0.11 2174 C
 C -B 0.02 46 C WindLd

TL Defl -0.02" in A -D L/999
 LL Defl -0.01" in A -D L/999
 Shear // Grain in A -D 0.48

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 3.0x 3.0 Ctr Ctr 0.76
 E MT20 3.0x 4.0-0.4-0.3 0.82
 B MT20 2.0x 4.0 Ctr Ctr 0.13
 D MT20 3.0x 5.0 Ctr-1.1 0.52
 C MT20 3.0x 3.0 Ctr Ctr 0.92

REVIEWED BY:
 MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2007
 TPI 2002

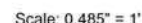
Girder Common
 Loading BC
 Span 38- 4- 0
 2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS3 screws -OR- 10d nails
 as each layer is applied.)
 -----Spacing (In)-----
 Rows Nails Screws Bolts
 TC 1 12 24 0
 BC 2 10 19 0
 WB 1 8 8
 Design checked for 10 psf non-

concurrent LL on BC.
 Use properly rated hangers for
 loads framing into girder
 truss.
 Wind Loads - ANSI / ASCE 7-05
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 120 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 2174 Lbs
 Max tens. force 2125 Lbs
 Connector Plate Fabrication
 Tolerance = 20%
 This truss is designed for a
 creep factor of 1.5 which
 is used to calculate total
 load deflection.



FL Cert. 6634

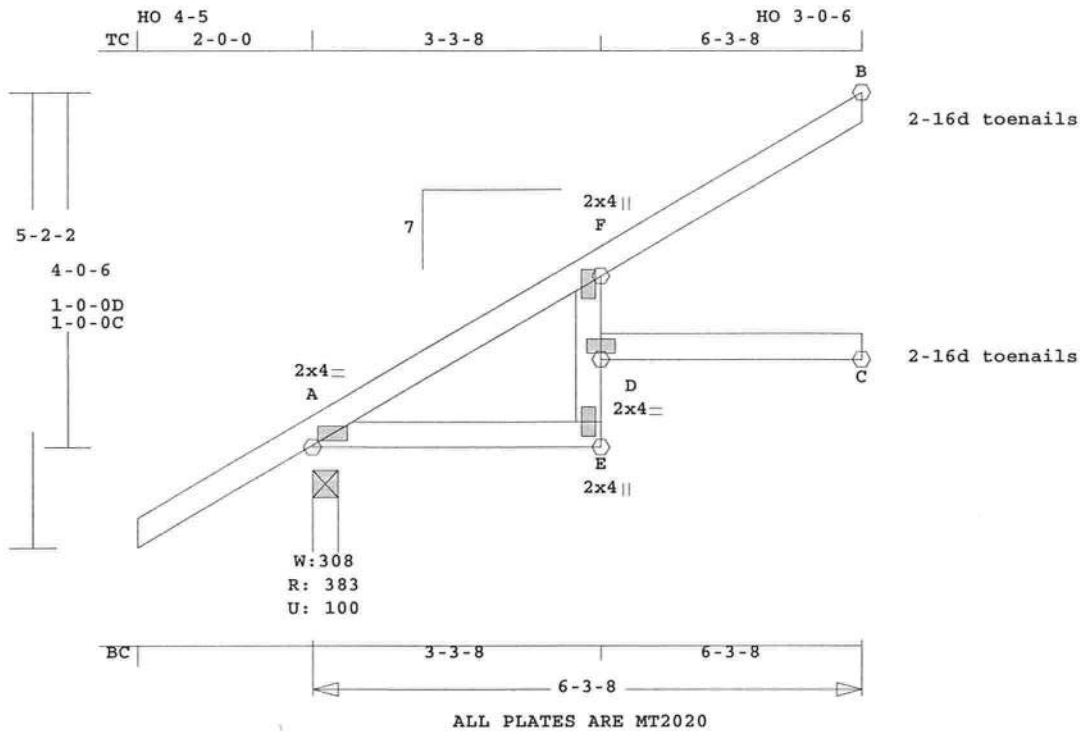
LOT 16 RUSSWOOD ESTATES



Online Plus™ © Copyright MiTek® 1996-2011 Version 28.0.007 Engineering - Portrait 3/29/2011 1:41:15 PM Page 1

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	J1B	3	SP	60308	7	2- 0- 0	0	T4039507

LOT 16 RUSSWOOD ESTATES



Scale: 0.456" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.22 2x 4 SP-#2
BC 0.48 2x 4 SP-#2
CW 0.28 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 6- 3- 8
BC Cont. 0- 0- 0 6- 3- 8

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 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 383 101 U 132 R
C 124 22 U
B 130 71 U 90 R

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

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

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -F 0.19 181 C 0.00 0.19
F -B 0.22 76 T 0.00 0.22
-----Bottom Chords-----
A -E 0.10 151 T 0.02 0.08
D -C 0.48 0 T 0.00 0.48
-----Chord-Webs-----
E -D 0.28 61 T 0.00 0.28

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 33.5 LBS

D -F 0.25 83 T 0.00 0.25

TL Defl -0.13" in D -C L/511
LL Defl -0.05" in D -C L/999
Shear // Grain in E -D 0.17

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62
F MT20 2.0x 4.0 Ctr Ctr 0.13
E MT20 2.0x 4.0 Ctr Ctr 0.58
D MT20 2.0x 4.0 Ctr Ctr 0.58

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2007
TPI 2002

OH Loading
Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 181 Lbs
Max tens. force 151 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

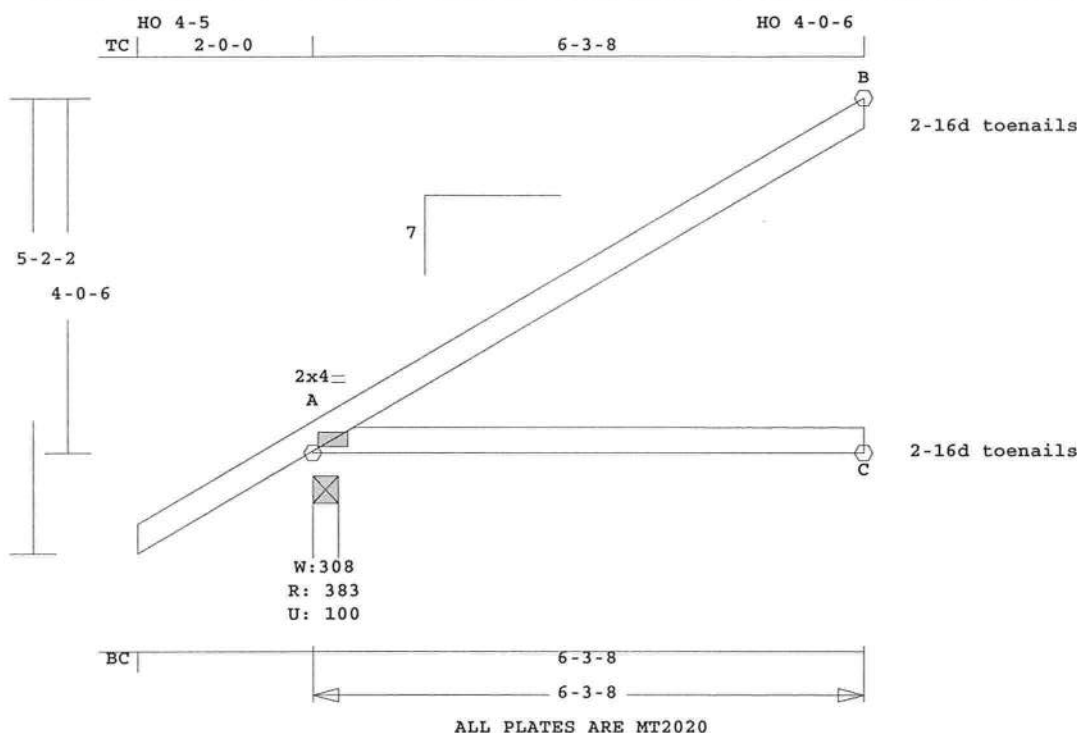


FL Cert. 6634

March 29, 2011

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	J1	5	JCA2	60308	7	2- 0- 0	0	T4039508

LOT 16 RUSSWOOD ESTATES



Scale: 0.456" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.39 2x 4 SP-#2
BC 0.28 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 6- 3- 8
BC Cont. 0- 0- 0 6- 3- 8

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 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 383 101 U 132 R
C 119
B 168 103 U 90 R

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

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

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.39 108 C 0.00 0.39
-----Bottom Chords-----
A -C 0.28 0 T 0.00 0.28

TL Defl -0.12" in A -C L/570
LL Defl -0.05" in A -C L/999
Shear // Grain in A -B 0.20

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 30.3 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007
TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph
Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf
Max comp. force 108 Lbs
Max tens. force 86 Lbs
Connector Plate Fabrication
Tolerance = 20%

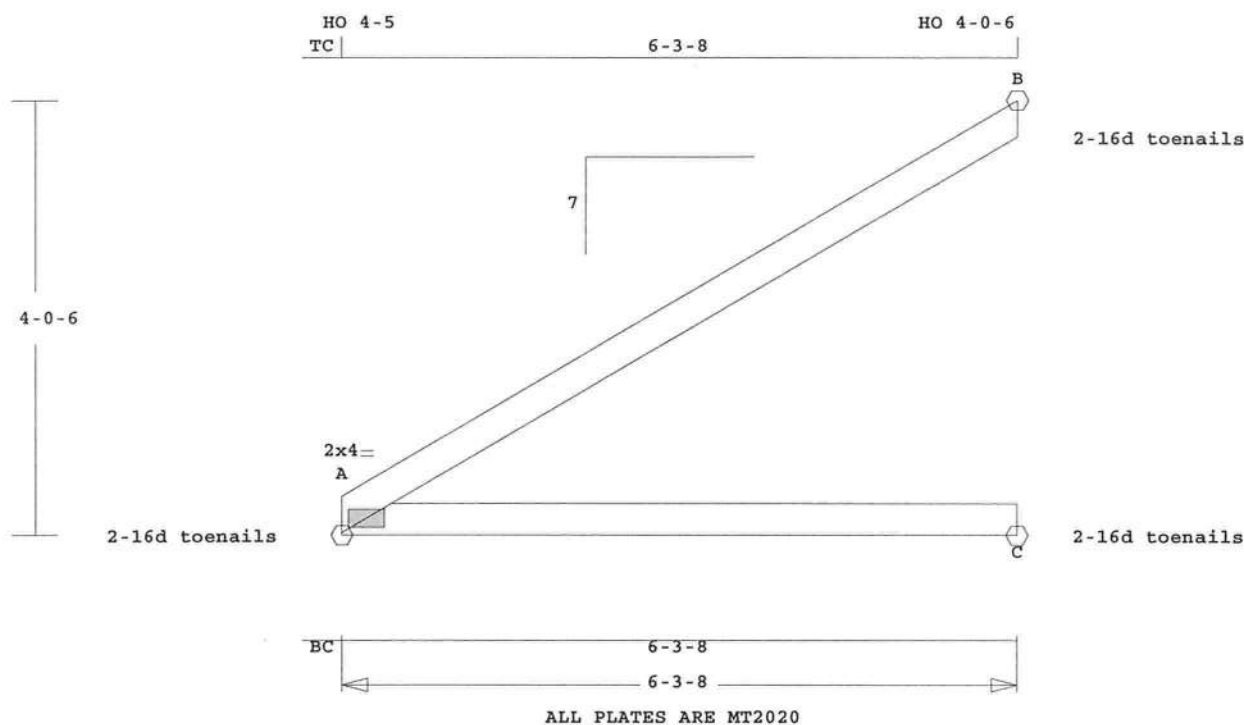
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
JOHNSON-LOT16	JIA	6	JCA2	60308	7	0	0	T4039509

LOT 16 RUSSWOOD ESTATES



Scale: 0.558" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ----Lumber----
TC 0.39 2x 4 SP-#2
BC 0.29 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	6- 3- 8	
BC Cont.	0- 0- 0	6- 3- 8	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 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	252	41 U	132 R
C	120		
B	170	103 U	90 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -B	0.39	109 C	0.00 0.39
-----Bottom Chords-----			

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 26.0 LBS

A -C 0.29 0 T 0.00 0.29

TL Defl -0.12" in A -C L/562
LL Defl -0.05" in A -C L/999
Shear // Grain in A -B 0.20

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 109 Lbs

Max tens. force 86 Lbs

Connector Plate Fabrication

Tolerance = 20%

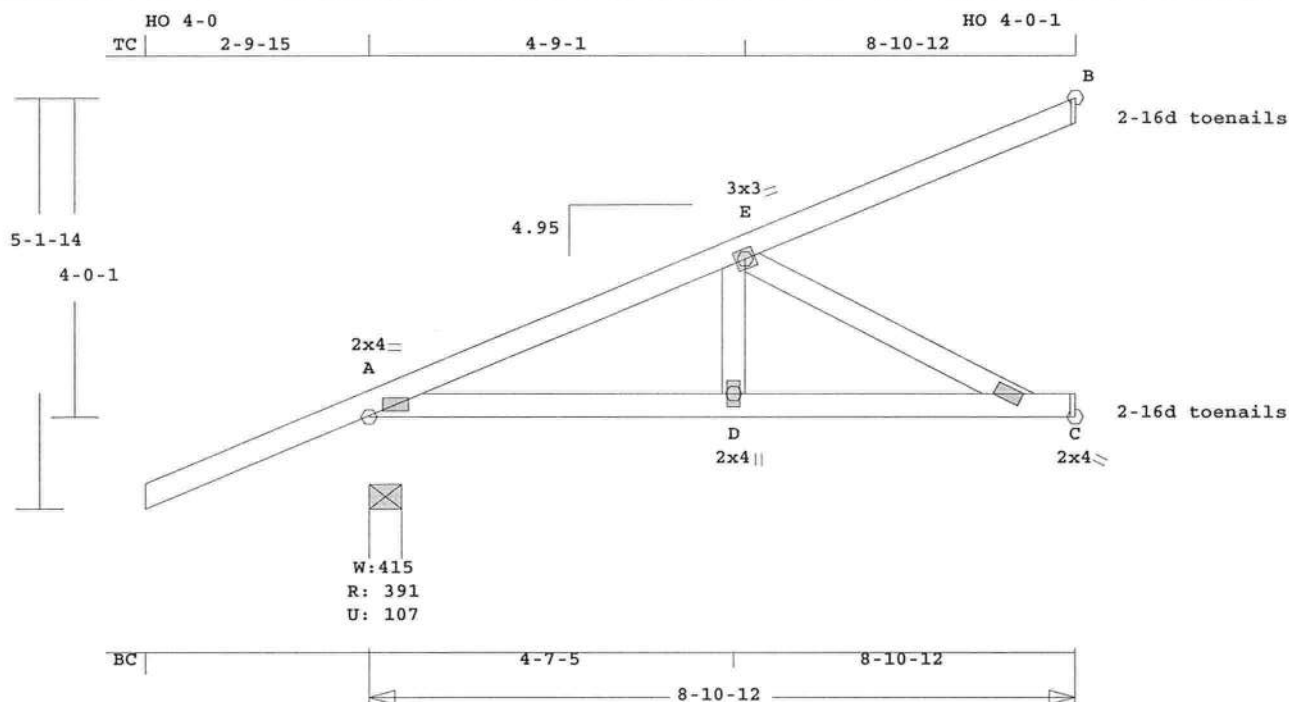
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
JOHNSON-LOT16	CJI	1	MONO.DD	81012	4.95	2- 9-15	0	T4039510

LOT 16 RUSSWOOD ESTATES



ALL PLATES ARE MT2020

Scale: 0.412" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ----Lumber----
TC 0.42 2x 4 SP-#2
BC 0.28 2x 4 SP-#2
WB 0.13 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 8- 7- 4
BC Cont. 0- 0- 0 8- 7- 4

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 391 108 U 125 R
C 270 29 U
B 184 98 U 85 R

Jt Brg Size Required
A 4.9" 1.5"
C 3.5" 1.5"
B 1.5" 1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 20 40 0.0' 8.9'
BC V 20 0 0.0' 8.9'
TC V -20 -40 0.0' 8.9'
17 35
BC V -20 0 0.0' 8.9'
17 0

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

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

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 51.7 LBS

A -E 0.29 449 C 0.01 0.28
E -B 0.42 143 C 0.00 0.42
-----Bottom Chords-----
A -D 0.17 428 T 0.04 0.13
D -C 0.28 428 T 0.07 0.21
C -C 0.20 0 T 0.00 0.20
-----Webs-----
D -E 0.03 210 T
E -C 0.13 482 C

TL Defl -0.06" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in C -C 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 2.0x 4.0 Ctr Ctr 0.68
E MT20 3.0x 3.0 Ctr Ctr 0.32
D MT20 2.0x 4.0 Ctr Ctr 0.19
C MT20 2.0x 4.0 Ctr Ctr 0.32

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

Girder King Jack
Loading TC and BC
Setback 6- 3- 8
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.

Use properly rated hangers for
loads framing into girder
truss.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 482 Lbs
Max tens. force 475 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

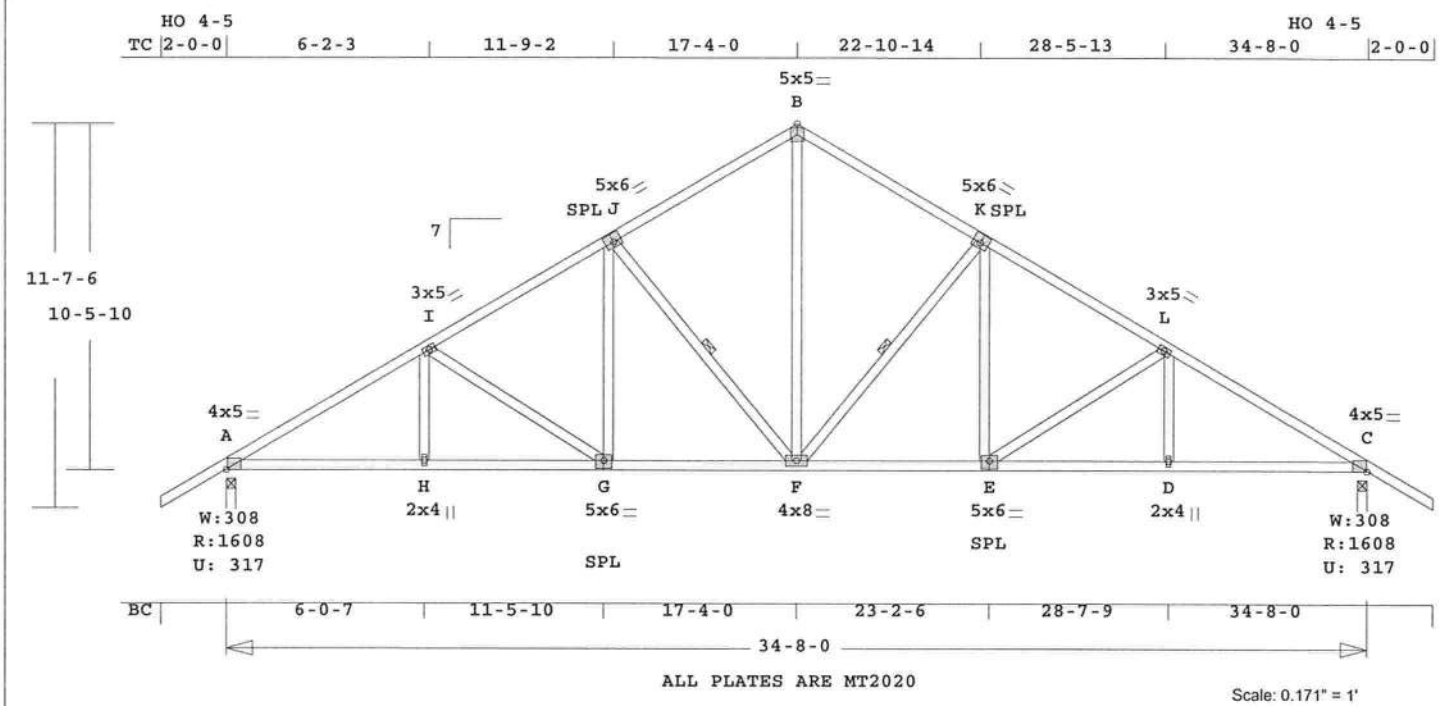


FL Cert. 6634

March 29, 2011

Job JOHNSON-LOT16	Mark B1	Quan 6	Type TR	Span 340800	Pl-H1 7	Left OH 2- 0- 0	Right OH 2- 0- 0	Engineering T4039512
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.34 2x 4 SP-#2
BC 0.49 2x 4 SP-#2
WB 0.84 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 34- 8- 0
BC Cont. 0- 0- 0 34- 8- 0
One Continuous Lateral Brace
J -F F -K
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz
A 1609 318 U 255 R
C 1609 318 U 255 R

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

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -I 0.33 2404 C 0.12 0.21
I -J 0.34 2002 C 0.11 0.23
J -B 0.32 1512 C 0.09 0.23
B -K 0.32 1512 C 0.09 0.23
K -L 0.34 2002 C 0.11 0.23
L -C 0.33 2404 C 0.12 0.21
-----Bottom Chords-----
A -H 0.43 2074 T 0.34 0.09
H -G 0.49 2074 T 0.34 0.15
G -F 0.47 1731 T 0.29 0.18
F -E 0.47 1731 T 0.29 0.18

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 262.6 LBS

E -D	0.49	2074	T	0.34	0.15
D -C	0.43	2074	T	0.34	0.09
-----Webs-----					
H -I	0.03	219	T		
I -G	0.27	424	C		
G -J	0.07	412	T		
J -F	0.21	668	C		1 Br
F -B	0.84	1188	T		
F -K	0.21	668	C		1 Br
E -K	0.07	412	T		
E -L	0.27	424	C		
D -L	0.03	219	T		

TL Defl -0.28" in G -F L/999
LL Defl -0.13" in G -F L/999
Shear // Grain in J -B 0.20

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 5.0 Ctr 0.1 0.78
I MT20 3.0x 5.0 Ctr Ctr 0.36
J MT20 5.0x 6.0-0.3 0.5 0.45
B MT20 5.0x 5.0 Ctr Ctr 0.45
K MT20 5.0x 6.0 0.3 0.5 0.45
L MT20 3.0x 5.0 Ctr Ctr 0.36
C MT20 4.0x 5.0 Ctr 0.1 0.78
H MT20 2.0x 4.0 Ctr Ctr 0.34
G MT20 5.0x 6.0 Ctr-0.5 0.48
F MT20 4.0x 8.0 Ctr Ctr 0.45
E MT20 5.0x 6.0 Ctr-0.5 0.48
D MT20 2.0x 4.0 Ctr Ctr 0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle

3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2404 Lbs
Max tens. force 2074 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

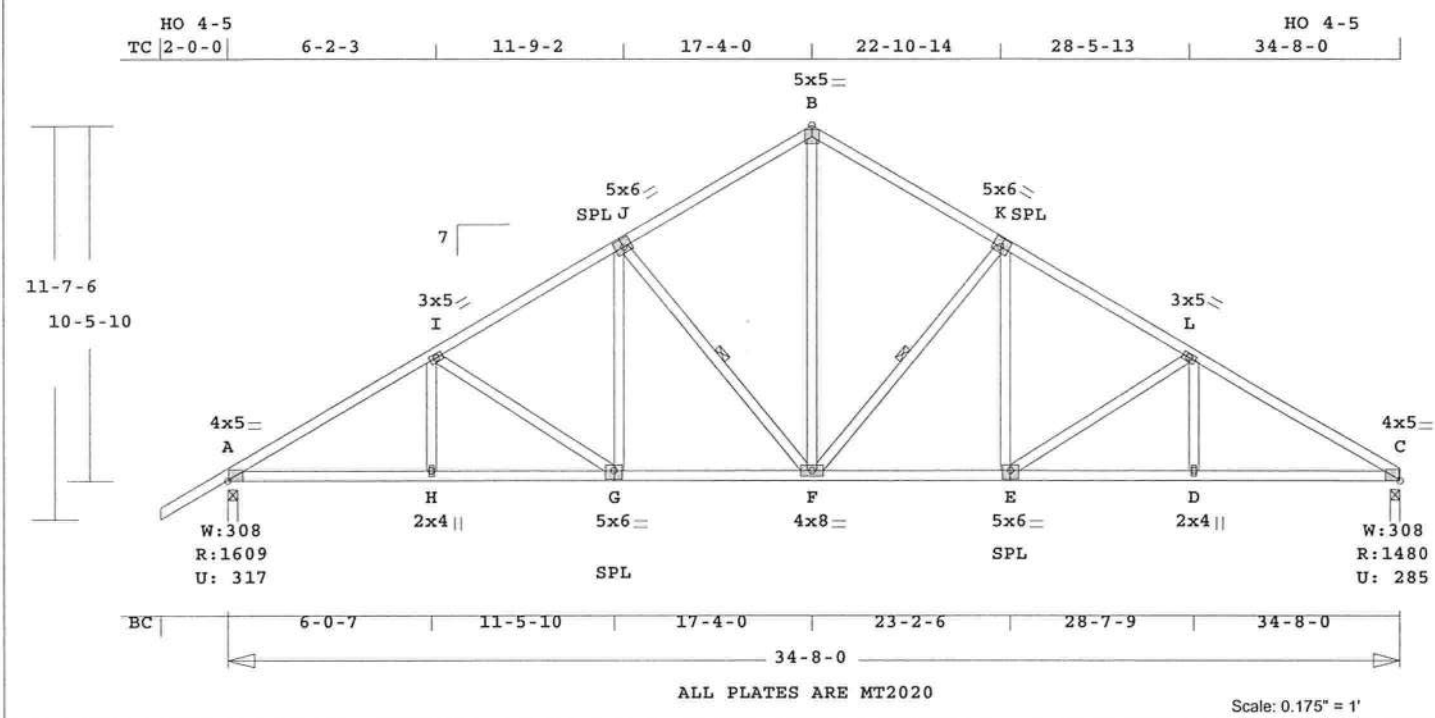


FL Cert. 6634

March 29, 2011

Job JOHNSON-LOT16	Mark B2	Quan 6	Type TR	Span 340800	P1-H1 7	Left OH 2- 0- 0	Right OH 0	Engineering T4039513
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.34 2x 4 SP-#2
BC 0.49 2x 4 SP-#2
WB 0.84 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 34- 8- 0
BC Cont. 0- 0- 0 34- 8- 0
One Continuous Lateral Brace
J -F F -K
Attach CLB with (2) -10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz
A 1609 318 U 255 R
C 1480 286 U 255 R

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

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

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -I	0.33	2405 C	0.12 0.21
I -J	0.34	2003 C	0.11 0.23
J -B	0.32	1513 C	0.09 0.23
B -K	0.32	1513 C	0.09 0.23
K -L	0.34	2004 C	0.11 0.23
L -C	0.34	2409 C	0.12 0.22
-----Bottom Chords-----			
A -H	0.43	2075 T	0.34 0.09
H -G	0.49	2075 T	0.34 0.15
G -F	0.47	1732 T	0.29 0.18
F -E	0.47	1733 T	0.29 0.18

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 258.3 LBS

E -D	0.48	2080 T	0.34 0.14
D -C	0.42	2080 T	0.34 0.08
-----Webs-----			
H -I	0.03	219 T	
I -G	0.27	424 C	
G -J	0.07	412 T	
J -F	0.21	668 C	1 Br
F -B	0.84	1189 T	
F -K	0.21	669 C	1 Br
E -K	0.07	414 T	
E -L	0.27	429 C	
D -L	0.03	220 T	

TL Defl -0.28" in F -E L/999
LL Defl -0.13" in F -E L/999
Shear // Grain in J -B 0.20

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 5.0 Ctr 0.1 0.78
I MT20 3.0x 5.0 Ctr Ctr 0.36
J MT20 5.0x 6.0-0.3 0.5 0.45
B MT20 5.0x 5.0 Ctr Ctr 0.45
K MT20 5.0x 6.0 0.3 0.5 0.45
L MT20 3.0x 5.0 Ctr Ctr 0.36
C MT20 4.0x 5.0 Ctr 0.1 0.78
H MT20 2.0x 4.0 Ctr Ctr 0.34
G MT20 5.0x 6.0 Ctr-0.5 0.48
F MT20 4.0x 8.0 Ctr Ctr 0.45
E MT20 5.0x 6.0 Ctr-0.5 0.48
D MT20 2.0x 4.0 Ctr Ctr 0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle

3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2409 Lbs
Max tens. force 2080 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

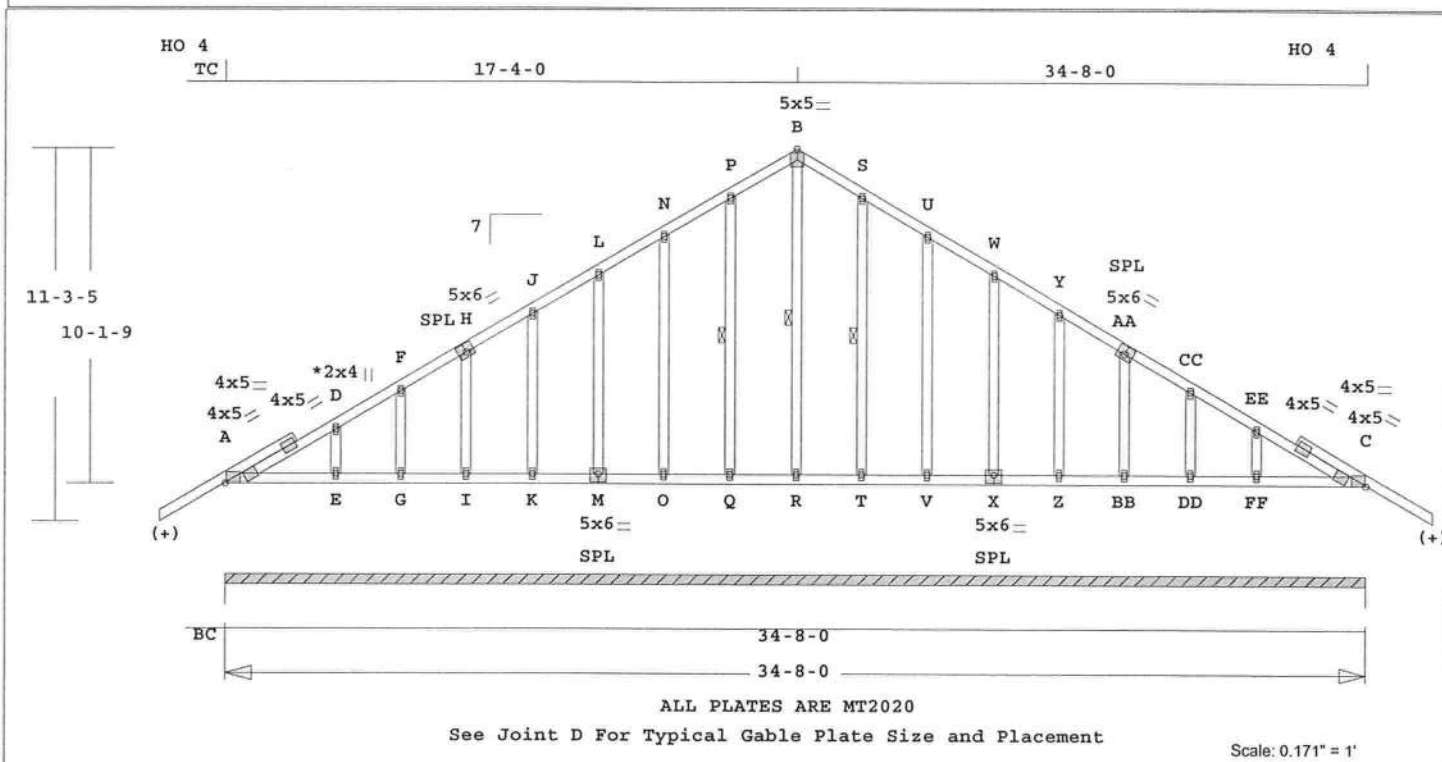


FL Cert. 6634

March 29, 2011

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	B3GE	1	TR	340800	7	0	0	T4039514

LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.08 2x 4 SP-#2
BC 0.08 2x 4 SP-#2
GW 0.12 2x 4 SP-#2
(+) 2x 4 SP-#2
Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 34- 8- 0
BC Cont. 0- 0- 0 34- 8- 0
One Continuous Lateral Brace
Q -P R -B T -S
Attach CLB with (2)-10d nails
at each web.

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 2773 571 U 246 R

Jt Brg Size Required
A 416.0" 0"-to- 416"

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

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -D 0.08 222 C 0.02 0.06
D -F 0.07 152 C 0.00 0.07
F -H 0.03 105 C 0.00 0.03
H -J 0.03 89 C 0.00 0.03
J -L 0.03 73 C 0.00 0.03
L -N 0.03 125 C 0.00 0.03
N -P 0.04 193 T 0.02 0.02
P -B 0.05 258 T 0.03 0.02
B -S 0.05 258 T 0.03 0.02
S -U 0.04 193 T 0.02 0.02
U -W 0.03 125 C 0.00 0.03
W -Y 0.03 73 C 0.00 0.03
Y -AA 0.03 89 C 0.00 0.03
AA-CC 0.03 105 C 0.00 0.03
CC-EE 0.07 152 C 0.00 0.07
EE-C 0.08 222 C 0.02 0.06
-----Bottom Chords-----
A -E 0.08 17 T 0.00 0.08

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 305.5 LBS			
E -G	0.04	0 T 0.00	0.04
G -I	0.02	0 T 0.00	0.02
I -K	0.02	0 T 0.00	0.02
K -M	0.02	0 T 0.00	0.02
M -O	0.02	0 T 0.00	0.02
O -Q	0.02	0 T 0.00	0.02
Q -R	0.02	0 T 0.00	0.02
R -T	0.02	0 T 0.00	0.02
T -V	0.02	0 T 0.00	0.02
V -X	0.02	0 T 0.00	0.02
X -Z	0.02	0 T 0.00	0.02
Z -BB	0.02	0 T 0.00	0.02
BB-DD	0.02	0 T 0.00	0.02
DD-FF	0.04	0 T 0.00	0.04
FF-C	0.08	17 T 0.00	0.08
-----Gable Webs-----			
E -D	0.01	171 C	
G -F	0.01	118 C	
I -H	0.03	138 C	
K -J	0.05	134 C	
M -L	0.08	134 C	
O -N	0.12	139 C	
Q -P	0.03	128 C	1 Br
R -B	0.06	169 C	1 Br
T -S	0.03	128 C	1 Br
V -U	0.12	139 C	
X -W	0.08	134 C	
Z -Y	0.05	134 C	
BB-AA	0.03	138 C	
DD-CC	0.01	118 C	
FF-EE	0.01	171 C	

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

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 5.0 Ctr-0.3 0.37
D MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
H MT20 5.0x 6.0-0.3 0.5 0.38
J MT20 2.0x 4.0 Ctr Ctr 0.00
L MT20 2.0x 4.0 Ctr Ctr 0.00
N MT20 2.0x 4.0 Ctr Ctr 0.00
P MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 5.0x 5.0 Ctr Ctr 0.34
S MT20 2.0x 4.0 Ctr Ctr 0.00
U MT20 2.0x 4.0 Ctr Ctr 0.00
W MT20 2.0x 4.0 Ctr Ctr 0.00
Y MT20 2.0x 4.0 Ctr Ctr 0.00
AA MT20 5.0x 6.0 0.3 0.5 0.38
CC MT20 2.0x 4.0 Ctr Ctr 0.00
EE MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 4.0x 5.0 Ctr-0.3 0.37
E MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

WARNING Do Not Cut overframe
member between outside of
truss and first tie-plate
to inside of heel plate.
Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 240 Lbs
Max tens. force 258 Lbs
Connector Plate Fabrication
Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

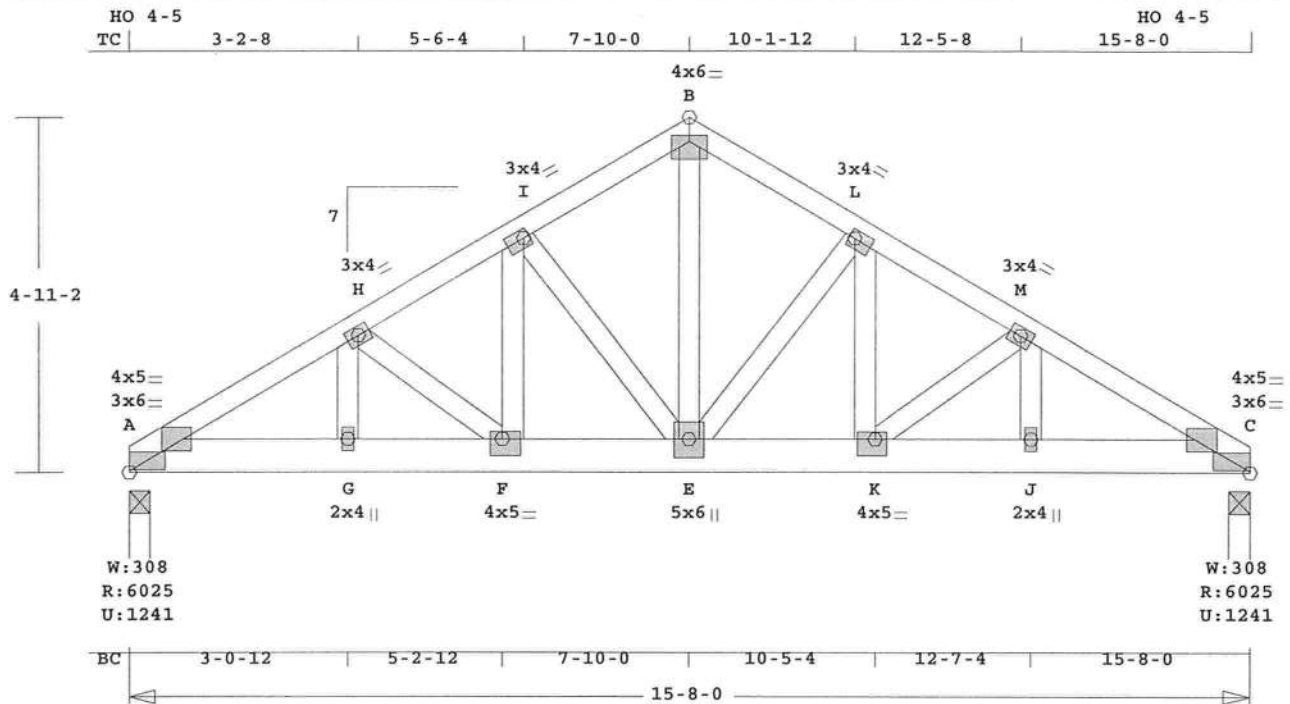


FL Cert. 6634

March 29, 2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	C1GIR	1*2P	TR	150800	7	0	0	T4039515

LOT 16 RUSSWOOD ESTATES



ALL PLATES ARE MT2020

Scale: 0.372" = 1'

Online Plus -- Version 28.0.007
 RUN DATE: 29-MAR-11

 * 2-Ply Truss *

CSI -Size- ---Lumber---
 TC 0.32 2x 4 SP-#2
 BC 0.82 2x 6 SP-#2
 WB 0.52 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 15- 8- 0
 BC Cont. 0- 0- 0 15- 8- 0

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

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 6025 1242 U 108 R
 C 6025 1242 U 108 R

Jt Brg Size Required
 A 3.5" 3.6" **
 C 3.5" 3.6" **

LC# 1 Girder Loading
 Dur Fctrs - Lbr 1.25 Plt 1.25
 plf - Dead Live* From To
 TC V 20 40 0.0' 15.7'
 BC V 365 345 0.0' 15.7'

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

Membr CSI P Lbs Axl-CSI-Bnd
 -----Top Chords-----
 A -H 0.32 9144 C 0.19 0.13
 H -I 0.25 7650 C 0.22 0.03
 I -B 0.22 5899 C 0.18 0.04
 B -L 0.22 5899 C 0.18 0.04
 L -M 0.25 7650 C 0.22 0.03
 M -C 0.32 9144 C 0.19 0.13
 -----Bottom Chords-----
 A -G 0.82 7907 T 0.52 0.30
 G -F 0.75 7907 T 0.52 0.23
 F -E 0.63 6607 T 0.44 0.19
 E -K 0.63 6607 T 0.44 0.19
 K -J 0.75 7907 T 0.52 0.23
 J -C 0.82 7907 T 0.52 0.30
 -----Webs-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 125.7 LBS

G -H 0.14 1578 T
 H -F 0.08 1630 C
 F -I 0.24 2663 T
 I -E 0.15 2377 C
 E -B 0.52 5676 T
 E -L 0.15 2377 C
 K -L 0.24 2663 T
 K -M 0.08 1630 C
 J -M 0.14 1578 T

TL Defl -0.19" in F -E L/936
 LL Defl -0.08" in F -E L/999
 Shear // Grain in F -E 0.40

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 3.0x 6.0 3.0 1.7 0.91
 A MT20 4.0x 5.0-1.1 Ctr 0.89
 H MT20 3.0x 4.0 Ctr 0.81
 I MT20 3.0x 4.0-0.9-0.5 0.83
 B MT20 4.0x 6.0 Ctr-1.0 0.86
 L MT20 3.0x 4.0 0.9-0.5 0.83
 M MT20 3.0x 4.0 Ctr Ctr 0.81
 C MT20 3.0x 6.0-3.0 1.7 0.91
 C MT20 4.0x 5.0 1.1 Ctr 0.89
 G MT20 2.0x 4.0 Ctr Ctr 0.72
 F MT20 4.0x 5.0 0.5-0.8 0.93
 E MT20 5.0x 6.0 Ctr-0.1 0.90
 K MT20 4.0x 5.0-0.5-0.8 0.93
 J MT20 2.0x 4.0 Ctr Ctr 0.72

REVIEWED BY:
 MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

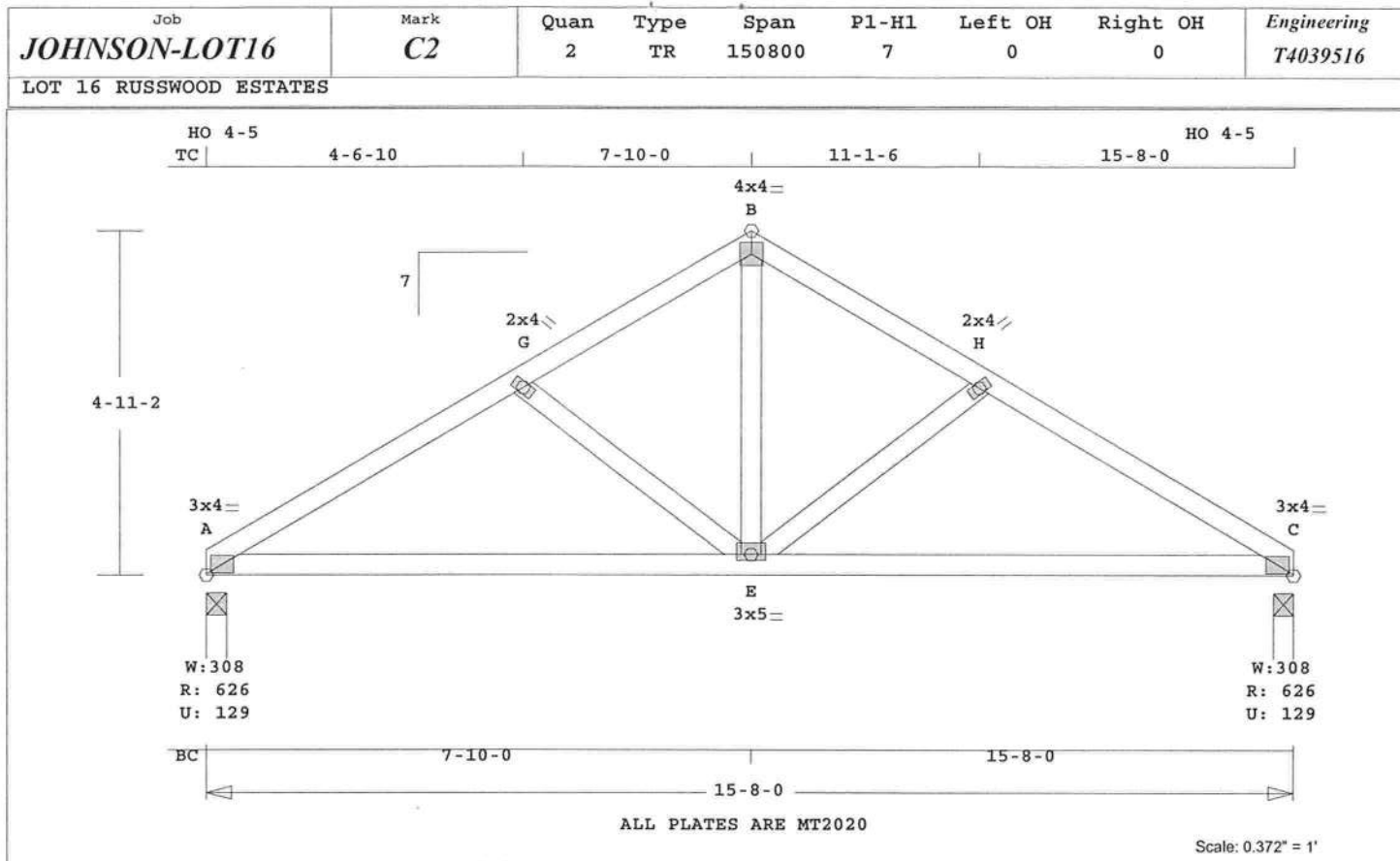
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2007
 TPI 2002
 Girder Common
 Loading BC
 Span 36- 5- 8
 2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS3 screws -OR- 10d nails
 as each layer is applied.)
 -----Spacing (In)-----
 Rows Nails Screws Bolts
 TC 1 12 24 0
 BC 2 10.5 20 0
 WB 1 8 8

Design checked for 10 psf non-
 concurrent LL on BC.
 Use properly rated hangers for
 loads framing into girder
 truss.
 Wind Loads - ANSI / ASCE 7-05
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 120 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 9144 Lbs
 Max tens. force 7907 Lbs
 Connector Plate Fabrication
 Tolerance = 20%
 This truss is designed for a
 creep factor of 1.5 which
 is used to calculate total
 load deflection.



FL Cert. 6634

March 29, 2011



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 87.7 LBS

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI	-Size-	----	Lumber----
TC	0.15	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
WB	0.08	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	15- 8- 0
BC Cont.	0- 0- 0	15- 8- 0

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	627	129 U	109 R
C	627	129 U	109 R

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

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

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -G	0.15	838 C	0.00	0.15
G -B	0.15	639 C	0.00	0.15
B -H	0.15	639 C	0.00	0.15
H -C	0.15	838 C	0.00	0.15
-----Bottom Chords-----				
A -E	0.42	732 T	0.07	0.35
E -C	0.42	732 T	0.07	0.35
-----Webs-----				
G -E	0.07	265 C		

E -B	0.08	460 T
E -H	0.07	265 C

TL Defl	-0.12"	in E -C	L/999
LL Defl	-0.05"	in E -C	L/999
Shear //	Grain	in A -E	0.17

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	3.0x 4.0	Ctr Ctr 0.50
G	MT20	2.0x 4.0	Ctr Ctr 0.15
B	MT20	4.0x 4.0	Ctr Ctr 0.42
H	MT20	2.0x 4.0	Ctr Ctr 0.15
C	MT20	3.0x 4.0	Ctr Ctr 0.50
E	MT20	3.0x 5.0	Ctr 0.5 0.33

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

FBC2007
TPI 2002
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph

Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 838 Lbs
Max tens. force 732 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

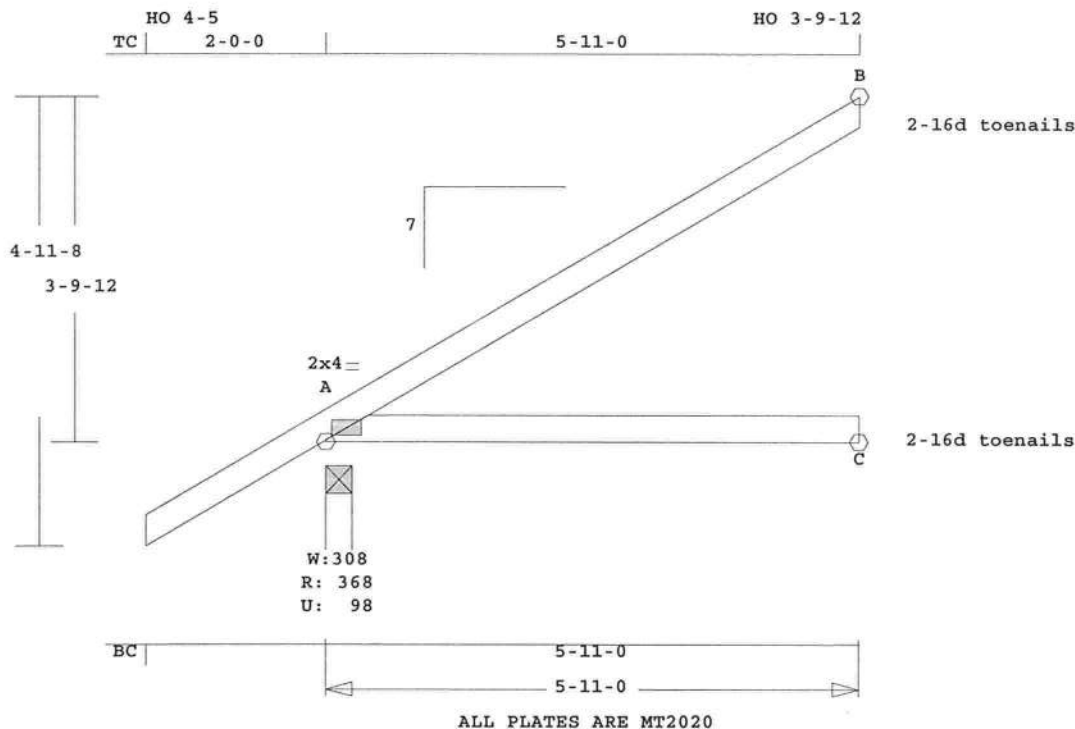


FL Cert. 6634

March 29, 2011

Job JOHNSON-LOT16	Mark J2	Quan 3	Type JCA2	Span 51100	Pl-H1 7	Left OH 2- 0- 0	Right OH 0	Engineering T4039517
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LOT 16 RUSSWOOD ESTATES



Scale: 0.469\" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ----Lumber----
TC 0.34 2x 4 SP-#2
BC 0.24 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 5-11- 0
BC Cont. 0- 0- 0 5-11- 0

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 369 98 U 124 R
C 112
B 158 96 U 85 R

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

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

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.34 102 C 0.00 0.34
-----Bottom Chords-----
A -C 0.24 0 T 0.00 0.24

TL Defl -0.09\" in A -C L/691
LL Defl -0.04\" in A -C L/999
Shear // Grain in A -B 0.19

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 28.8 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007
TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf
Max comp. force 102 Lbs
Max tens. force 81 Lbs
Connector Plate Fabrication
Tolerance = 20%

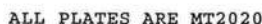
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29, 2011

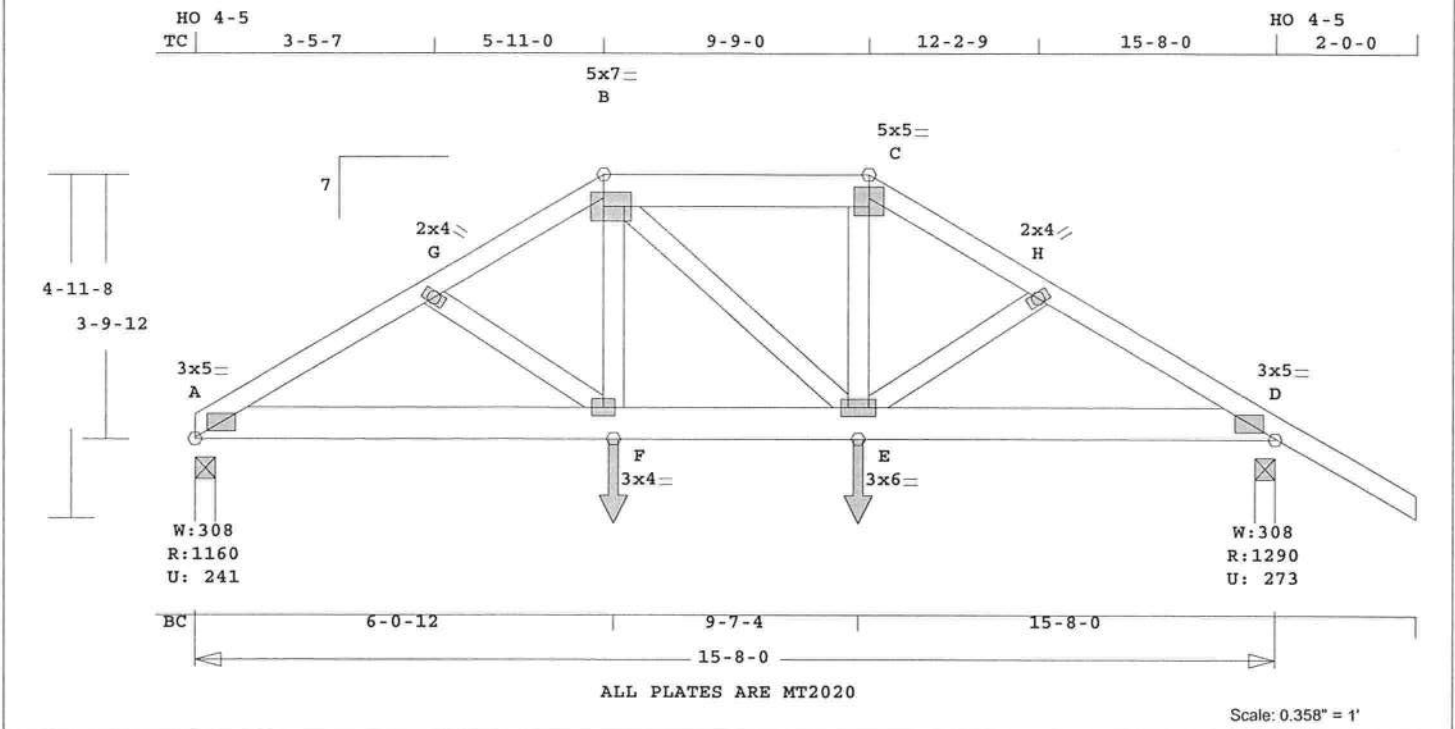
LOT 16 RUSSWOOD ESTATES



Scale: 0.428" = 1'

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Job JOHNSON-LOT16	Mark C3GIR	Quan 1	Type HIPP	Span 150800	Pl-H1 7	Left OH 0	Right OH 2- 0- 0	Engineering T4039519
LOT 16 RUSSWOOD ESTATES								



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.32 2x 4 SP-#2
-- 0.26 2x 6 SP-#2
B -C
BC 0.32 2x 6 SP-#2
WB 0.10 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 15- 8- 0
BC Cont. 0- 0- 0 15- 8- 0

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1161 241 U 81 R
D 1291 274 U 81 R

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

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 20 40 0.0' 15.7'
BC V 20 0 0.0' 15.7'
TC V 20 39 5.9' 9.8'
BC V 20 0 6.1' 9.6'
BC V 194 194 6.1' CL-LB
BC V 194 194 9.6' CL-LB

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

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -G 0.17 1901 C 0.12 0.05

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 116.6 LBS

G -B 0.32 1799 C 0.02 0.30
B -C 0.26 1600 C 0.00 0.26
C -H 0.29 1820 C 0.02 0.27
H -D 0.17 1925 C 0.12 0.05
-----Bottom Chords-----
A -F 0.32 1634 T 0.21 0.11
F -E 0.27 1568 T 0.20 0.07
E -D 0.29 1653 T 0.22 0.07
-----Webs-----
G -F 0.01 115 C
F -B 0.09 524 T
B -E 0.01 67 T
E -C 0.10 551 T
E -H 0.02 119 C

TL Defl -0.11" in F -E L/999
LL Defl -0.04" in F -E L/999
Shear // Grain in G -B 0.16

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.87
G MT20 2.0x 4.0 Ctr Ctr 0.13
B MT20 5.0x 7.0-0.5 Ctr 0.73
C MT20 5.0x 5.0 Ctr-0.5 0.53
H MT20 2.0x 4.0 Ctr Ctr 0.13
D MT20 3.0x 5.0 Ctr Ctr 0.88
F MT20 3.0x 4.0 Ctr Ctr 0.46
E MT20 3.0x 6.0 Ctr Ctr 0.28

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 5-11- 0

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1925 Lbs
Max tens. force 1653 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

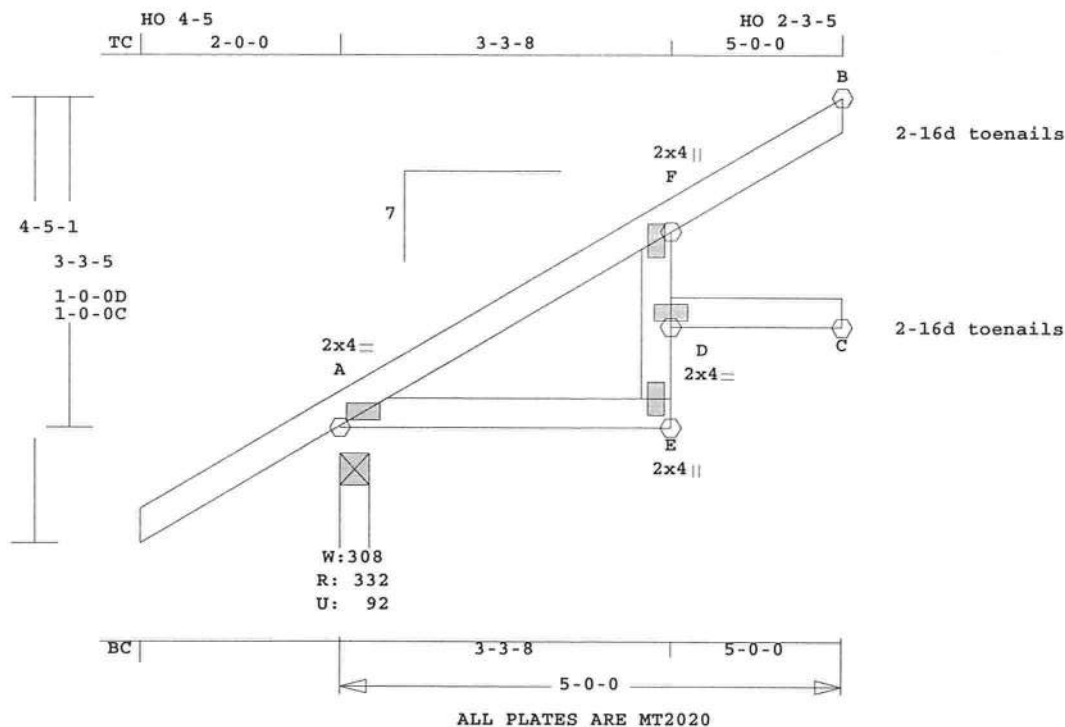


FL Cert. 6634

March 29, 2011

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	J7B	2	SP	50000	7	2- 0- 0	0	T4039520

LOT 16 RUSSWOOD ESTATES



Scale: 0.521" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.12 2x 4 SP-#2
BC 0.30 2x 4 SP-#2
CW 0.17 2x 4 SP-#2

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

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz
A 332 92 U 105 R
C 113 31 U
B 83 43 U 71 R

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

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

Membr CSI P Lbs Ax1-Csi-Bnd
-----Top Chords-----
A -F 0.12 109 C 0.00 0.12
F -B 0.08 65 T 0.00 0.08
-----Bottom Chords-----
A -E 0.07 93 T 0.01 0.06
D -C 0.30 0 T 0.00 0.30
-----Chord-Webs-----
E -D 0.17 57 T 0.00 0.17

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 28.2 LBS

D -F 0.15 85 T 0.00 0.15

TL Defl -0.04" in A -E L/999
LL Defl -0.02" in A -E L/999
Shear // Grain in D -C 0.14

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62
F MT20 2.0x 4.0 Ctr Ctr 0.13
E MT20 2.0x 4.0 Ctr Ctr 0.58
D MT20 2.0x 4.0 Ctr Ctr 0.58

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05

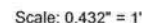
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 109 Lbs
Max tens. force 93 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29, 2011

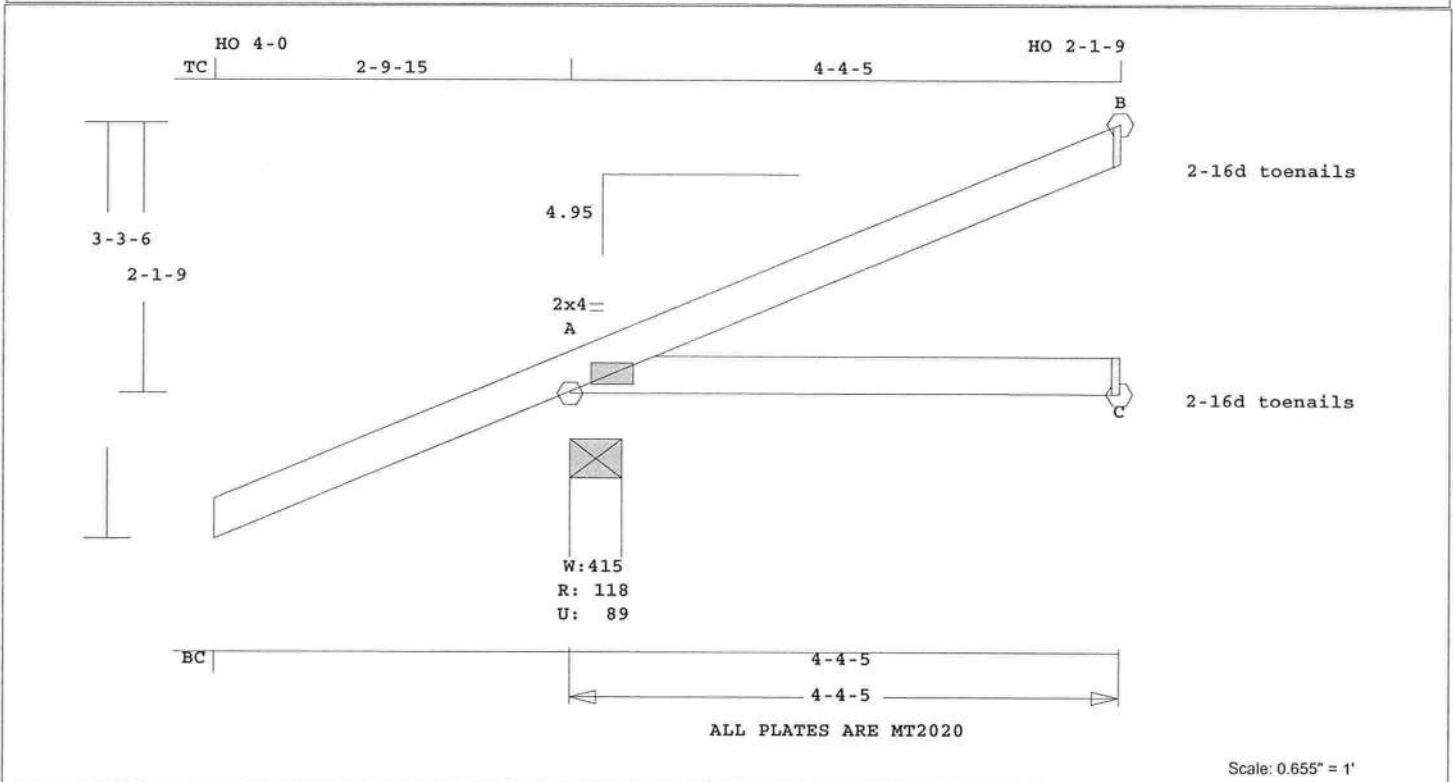
LOT 16 RUSSWOOD ESTATES



March 29, 2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
JOHNSON-LOT16	CJ5	2	MONO.DD	40405	4.95	2- 9-15	0	T4039522

LOT 16 RUSSWOOD ESTATES



Scale: 0.655" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.15 2x 4 SP-#2
BC 0.07 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 4- 4- 5
BC Cont. 0- 0- 0 4- 4- 5

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 118 89 U 24 R
C 41
B 59 30 U 16 R

Jt Brg Size Required
A 4.9" 1.5"
C 3.5" 1.5"
B 1.5" 1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 20 40 0.0' 4.4'
BC V 20 0 0.0' 4.4'
TC V -20 -40 0.0' 4.4'
-5 -11 4.4'
BC V -20 0 0.0' 4.4'
-5 0 4.4'

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

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 23.1 LBS

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.15 61 C 0.00 0.15
-----Bottom Chords-----
A -C 0.07 0 T 0.00 0.07

TL Defl -0.01" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.12

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.68

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

Girder King Jack
Loading TC and BC
Setback 3- 1- 0

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.

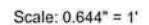
Wind Loads - ANSI / ASCE 7-05

Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 61 Lbs
Max tens. force 11 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

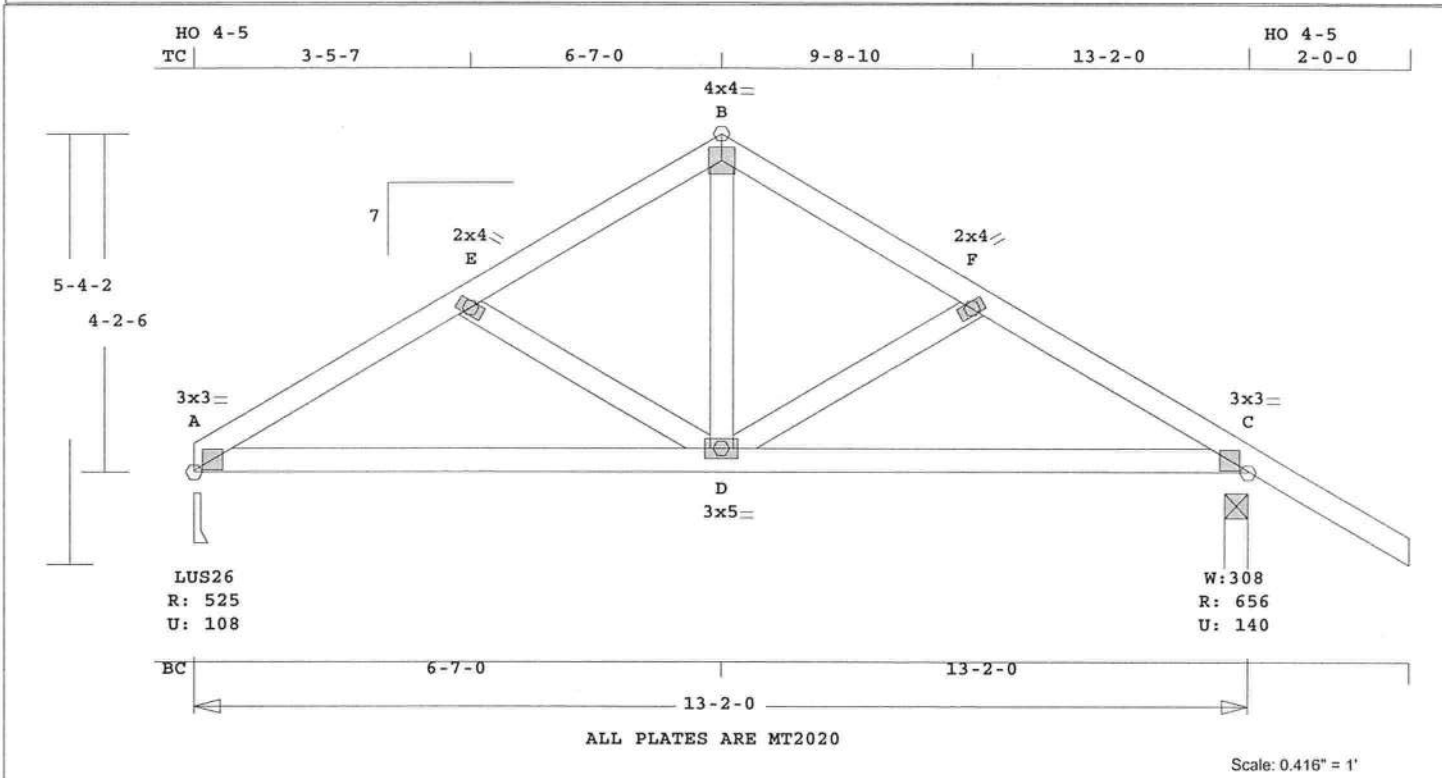
LOT 16 RUSSWOOD ESTATES



March 29, 2011

Job JOHNSON-LOT16	Mark D1	Quan 1	Type TR	Span 130200	Pl-H1 7	Left OH 0	Right OH 2- 0- 0	Engineering T4039524
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.10 2x 4 SP-#2
BC 0.29 2x 4 SP-#2
WB 0.06 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 13- 2- 0
BC Cont. 0- 0- 0 13- 2- 0

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 525 108 U 91 R
C 656 141 U 91 R

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

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

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -E 0.10 713 C 0.04 0.06
E -B 0.09 526 C 0.03 0.06
B -F 0.09 525 C 0.03 0.06
F -C 0.10 709 C 0.04 0.06
-----Bottom Chords-----
A -D 0.29 621 T 0.06 0.23
D -C 0.29 617 T 0.06 0.23
-----Webs-----
E -D 0.05 226 C

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 78.8 LBS

D -B 0.06 362 T
D -F 0.04 221 C

TL Defl -0.06" in A -D L/999
LL Defl -0.03" in D -C L/999
Shear // Grain in A -D 0.14

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 3.0 Ctr Ctr 0.56
E MT20 2.0x 4.0 Ctr Ctr 0.13
B MT20 4.0x 4.0 Ctr Ctr 0.42
F MT20 2.0x 4.0 Ctr Ctr 0.13
C MT20 3.0x 3.0 Ctr Ctr 0.56
D MT20 3.0x 5.0 Ctr Ctr 0.44

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*

for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 713 Lbs
Max tens. force 621 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

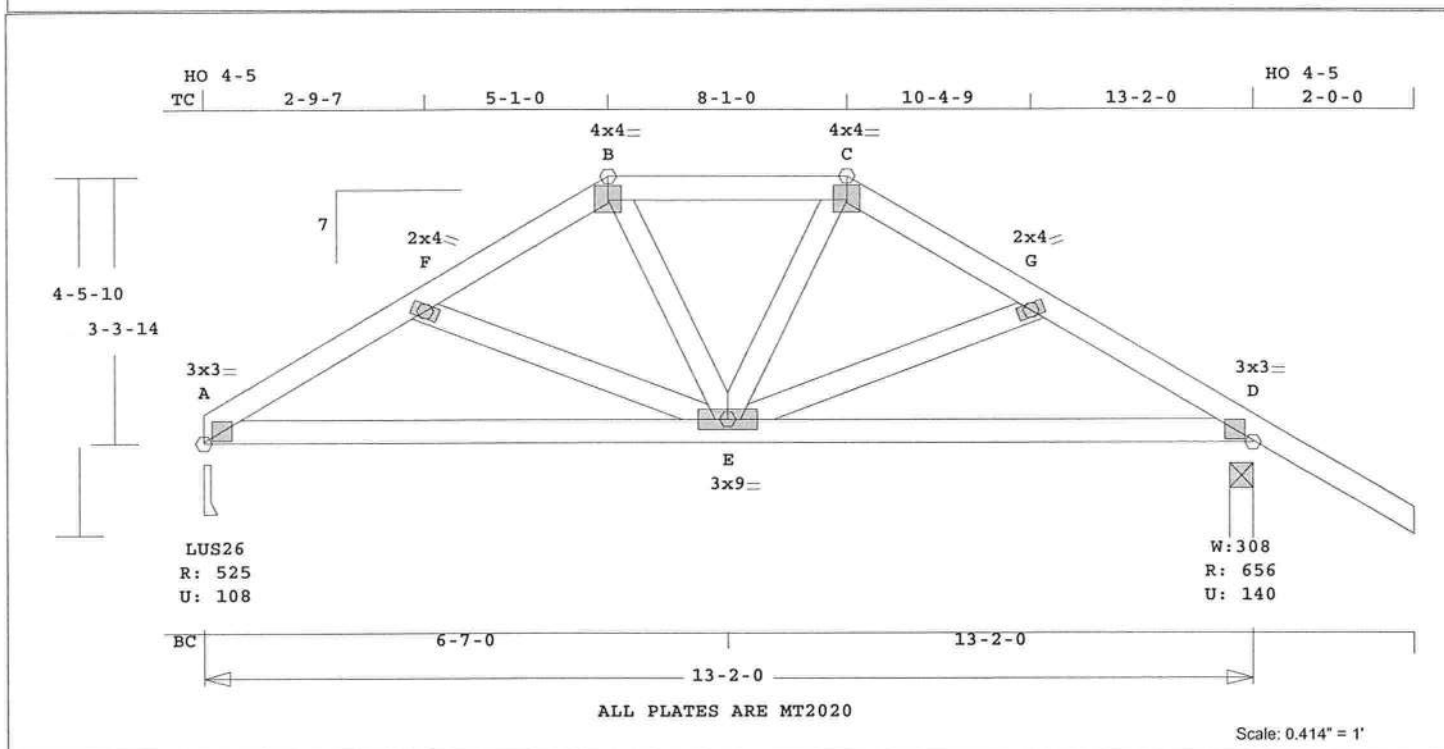


FL Cert. 6634

March 29,2011

Job JOHNSON-LOT16	Mark D2	Quan 1	Type HIPP	Span 130200	Pl-Hl 7	Left OH 0	Right OH 2- 0- 0	Engineering T4039525
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.11 2x 4 SP-#2
BC 0.28 2x 4 SP-#2
WB 0.05 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	13- 2- 0
BC Cont.	0- 0- 0	13- 2- 0

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	525	108 U	71 R
D	656	141 U	71 R

Jt	Brg Size	Required
A	3.5"	1.5"
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 -F	0.09	736 C	0.05	0.04
F -B	0.07	574 C	0.04	0.03
B -C	0.09	553 C	0.04	0.05
C -G	0.07	574 C	0.04	0.03
G -D	0.11	731 C	0.05	0.06
-----Bottom Chords-----				
A -E	0.28	637 T	0.06	0.22
E -D	0.28	630 T	0.06	0.22
-----Webs-----				
F -E	0.05	186 C		

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 84.7 LBS

B -E	0.02	179 T
E -C	0.02	178 T
E -G	0.04	178 C

TL Defl -0.06" in A -E L/999
LL Defl -0.03" in E -D L/999
Shear // Grain in A -E 0.14

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 3.0 Ctr Ctr 0.56
F MT20 2.0x 4.0 Ctr Ctr 0.13
B MT20 4.0x 4.0 Ctr Ctr 0.64
C MT20 4.0x 4.0 Ctr Ctr 0.64
G MT20 2.0x 4.0 Ctr Ctr 0.13
D MT20 3.0x 3.0 Ctr Ctr 0.56
E MT20 3.0x 9.0 Ctr Ctr 0.15

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

Analysis Conforms To:
FBC2007
TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 736 Lbs
Max tens. force 637 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

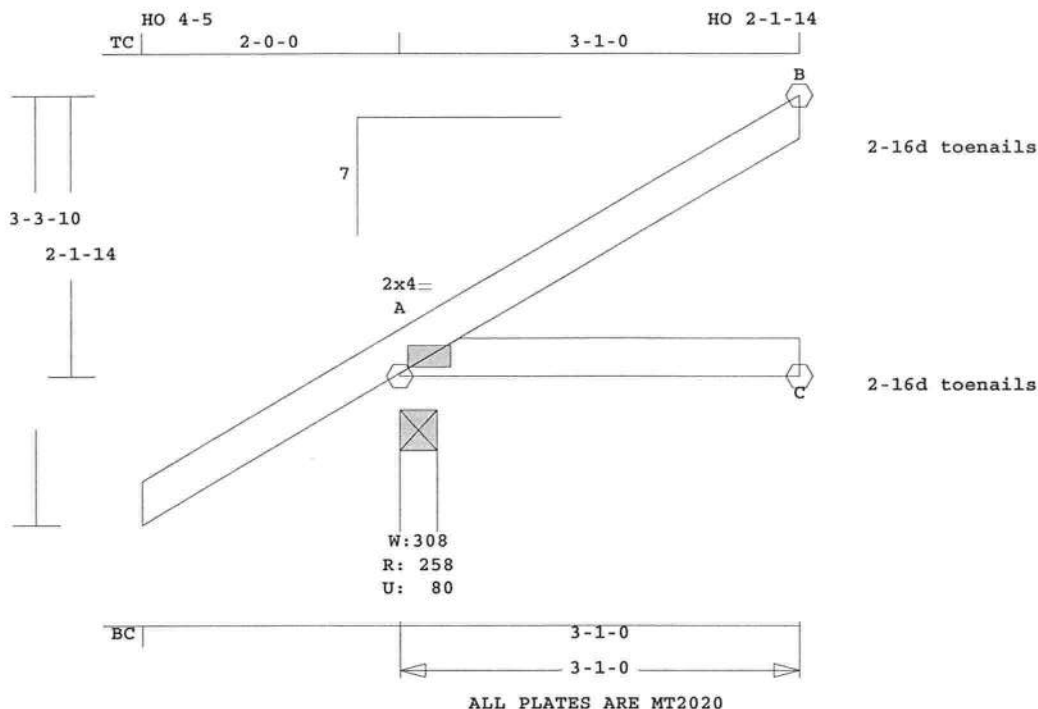


FL Cert. 6634

March 29, 2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	J5	5	JCA2	30100	7	2- 0- 0	0	T4039526

LOT 16 RUSSWOOD ESTATES



Scale: 0.673" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ----Lumber----
TC 0.07 2x 4 SP-#2
BC 0.05 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 3- 1- 0
BC Cont. 0- 0- 0 3- 1- 0

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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 259 81 U 64 R
C 57
B 80 50 U 44 R

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

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

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.07 52 C 0.00 0.07
-----Bottom Chords-----
A -C 0.05 0 T 0.00 0.05

TL Defl -0.01" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.09

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 17.3 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007
TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00

Building Type: Enclosed
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf
Max comp. force 52 Lbs
Max tens. force 42 Lbs
Connector Plate Fabrication
Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

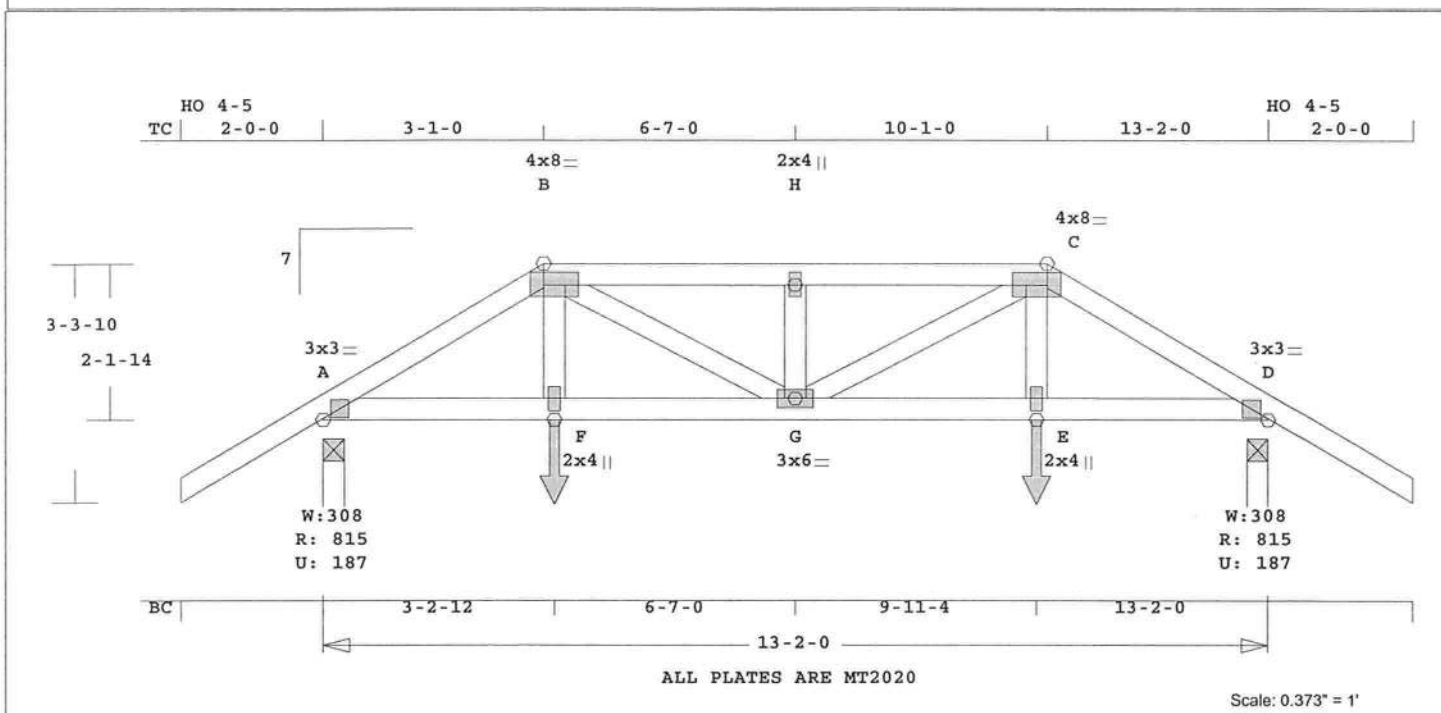


FL Cert. 6634

March 29, 2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	D3GIR	1*2P	HIPP	130200	7	2- 0- 0	2- 0- 0	T4039527

LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
 RUN DATE: 29-MAR-11

 * 2-Ply Truss *

CSI -Size- ---Lumber---
 TC 0.10 2x 4 SP-#2
 BC 0.12 2x 4 SP-#2
 WB 0.03 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 13- 2- 0
 BC Cont. 0- 0- 0 13- 2- 0

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

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 815 187 U 42 R
 D 815 187 U 42 R

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

LC# 1 Girder Loading
 Dur Fctrs - Lbr 1.25 Plt 1.25
 plf - Dead Live* From To
 TC V 20 40 0.0' 13.2'
 BC V 20 0 0.0' 13.2'
 TC V 5 11 3.1' 10.1'
 BC V 5 0 3.2' 9.9'
 BC V 43 43 3.2' CL-LB
 BC V 43 43 9.9' CL-LB

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

Membr CSI P Lbs Axl-Csi-Bnd
 ---Top Chords---
 A -B 0.06 1042 C 0.04 0.02
 B -H 0.10 1258 C 0.05 0.05
 H -C 0.10 1258 C 0.05 0.05
 C -D 0.06 1042 C 0.04 0.02
 ---Bottom Chords---
 A -F 0.12 899 T 0.08 0.04
 F -G 0.11 891 T 0.08 0.03
 G -E 0.11 891 T 0.08 0.03

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 82.9 LBS

E -D 0.12 899 T 0.08 0.04
 ---Webs---
 F -B 0.01 179 T
 B -G 0.03 413 T
 G -H 0.01 276 C
 G -C 0.03 413 T
 E -C 0.01 179 T

TL Defl -0.03" in F -G L/999
 LL Defl -0.01" in F -G L/999
 Shear // Grain in B -H 0.09

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 3.0x 3.0 Ctr Ctr 0.56
 B MT20 4.0x 8.0 Ctr Ctr 0.58
 H MT20 2.0x 4.0 Ctr Ctr 0.12
 C MT20 4.0x 8.0 Ctr Ctr 0.58
 D MT20 3.0x 3.0 Ctr Ctr 0.56
 F MT20 2.0x 4.0 Ctr Ctr 0.13
 G MT20 3.0x 6.0 Ctr Ctr 0.27
 E MT20 2.0x 4.0 Ctr Ctr 0.13

REVIEWED BY:
 MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2007
 TPI 2002
 Girder Step Down Hip
 Framing King Jacks
 Jack Open Faced
 Setback 3- 1- 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 1 12 24 0
 WB 1 8 8
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-05

Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 120 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 1258 Lbs
 Max tens. force 899 Lbs
 Connector Plate Fabrication
 Tolerance = 20%
 This truss is designed for a
 creep factor of 1.5 which
 is used to calculate total
 load deflection.

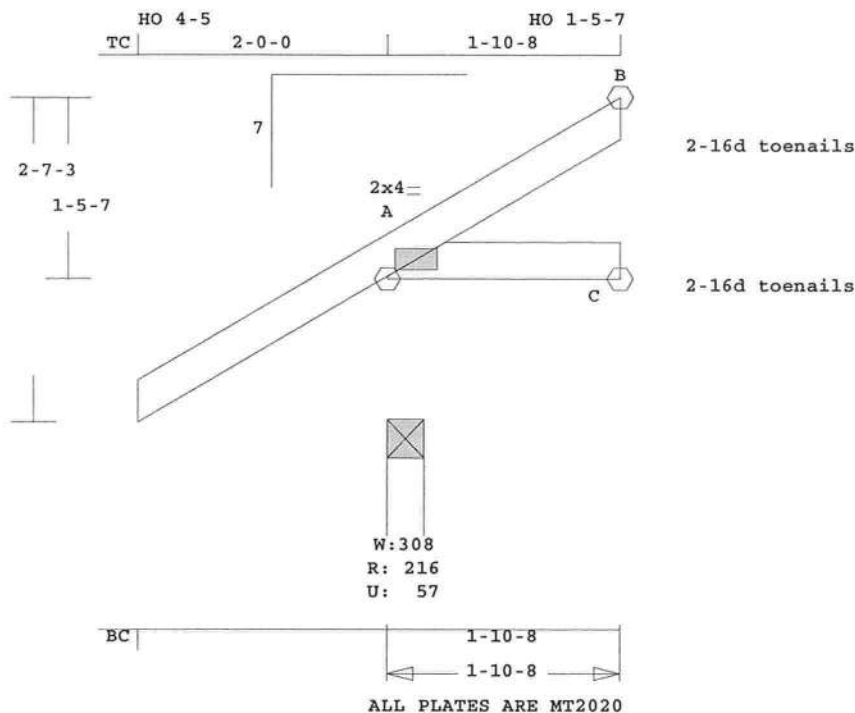


FL Cert. 6634

March 29, 2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
JOHNSON-LOT16	J6	5	JCA2	11008	7	2- 0- 0	0	T4039528

LOT 16 RUSSWOOD ESTATES



Scale: 0.646" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 1-10- 8
BC Cont. 0- 0- 0 1-10- 8

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 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	216	57 U	38 R
B	45	30 U	
C	31		26 R

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

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

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.02	30 C	0.00	0.02
-----Bottom Chords-----				
A -C	0.01	26 T	0.00	0.01

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.04

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 12.3 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007
TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf
Max comp. force 30 Lbs
Max tens. force 26 Lbs
Connector Plate Fabrication
Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29, 2011

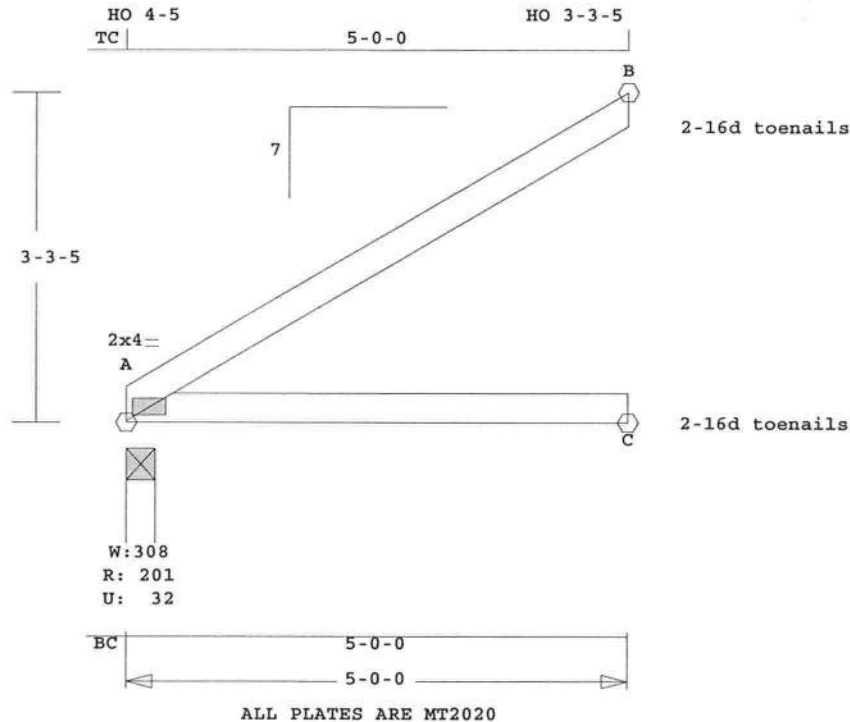
LOT 16 RUSSWOOD ESTATES



March 29, 2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
JOHNSON-LOT16	J7A	1	SP	50000	7	0	0	T4039530

LOT 16 RUSSWOOD ESTATES



Scale: 0.521" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ----Lumber----
TC 0.24 2x 4 SP-#2
BC 0.18 2x 4 SP-#2

Brace truss as follows:

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	202	33 U	105 R
C	93		
B	135	82 U	71 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -B	0.24	88 C	0.00 0.24
-----Bottom Chords-----			

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 20.7 LBS

A -C 0.18 0 T 0.00 0.18

TL Defl -0.05" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.62

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 88 Lbs
Max tens. force 70 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

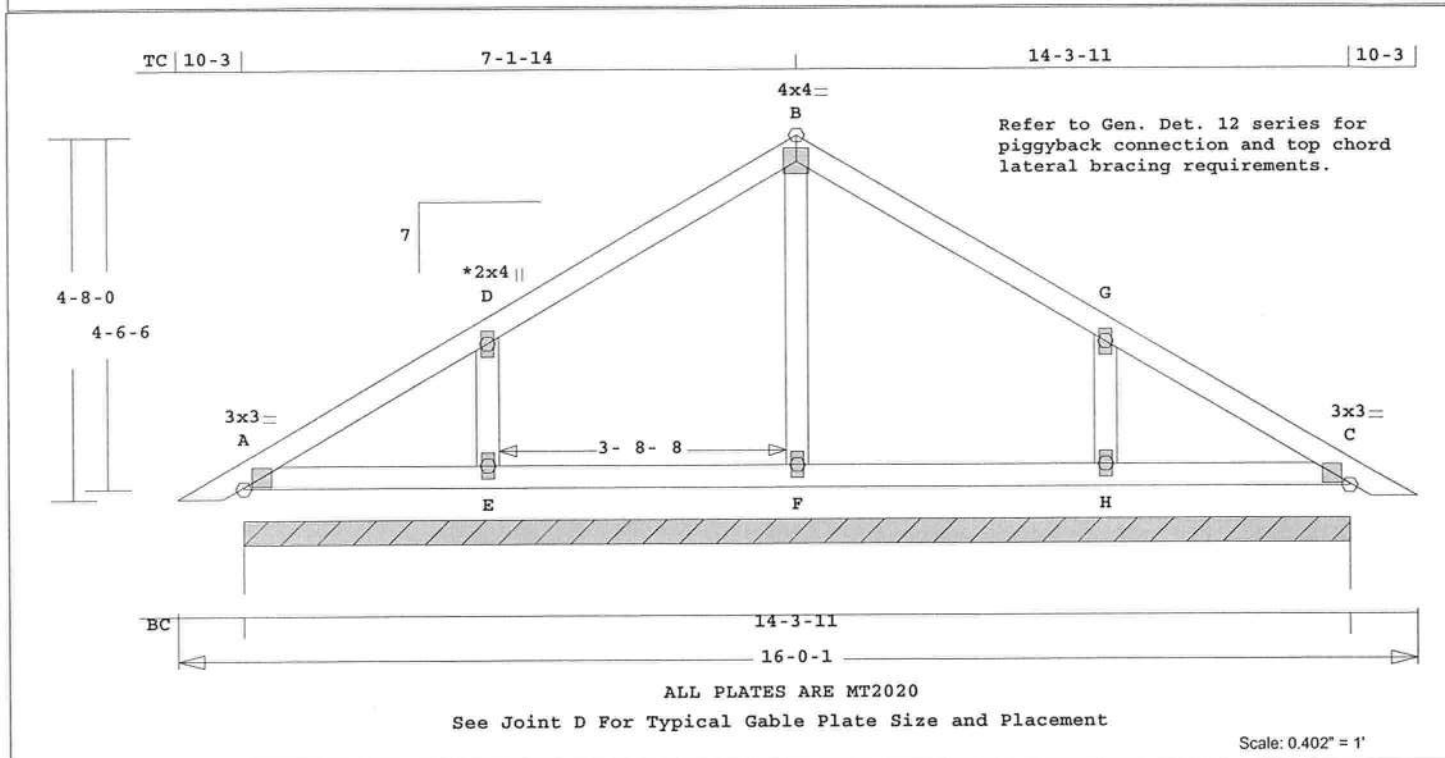


FL Cert. 6634

March 29,2011

Job JOHNSON-LOT16	Mark PI	Quan 8	Type TR	Span 160001	Pl-H1 7	Left OH 10- 3	Right OH 10- 3	Engineering T4039531
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

TC	0.13	2x 4	SP-#2
BC	0.08	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	16- 0- 1
BC Cont.	0- 0- 0	16- 0- 1

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	1147	245 U	100 R

Jt	Brg Size	Required
A	171.7"	0"-to- 172"

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

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -D	0.13	79 C	0.00	0.13	
D -B	0.13	131 C	0.00	0.13	
B -G	0.13	131 C	0.00	0.13	
G -C	0.13	79 C	0.00	0.13	
-----Bottom Chords-----					
A -E	0.07	1 T	0.00	0.07	
E -F	0.08	0 T	0.00	0.08	
F -H	0.08	0 T	0.00	0.08	
H -C	0.07	1 T	0.00	0.07	
-----Gable Webs-----					
E -D	0.03	266 C			
F -B	0.03	135 C			

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 75.6 LBS

H -G 0.03 266 C

TL Defl 0.00" in E -F L/999
LL Defl 0.00" in E -F L/999
Shear // Grain in D -B 0.14

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 3.0 Ctr Ctr 0.56
D MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 4.0x 4.0 Ctr Ctr 0.42
G MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 3.0x 3.0 Ctr Ctr 0.56
E MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
H MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:

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

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 266 Lbs

Max tens. force 233 Lbs

Connector Plate Fabrication

Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

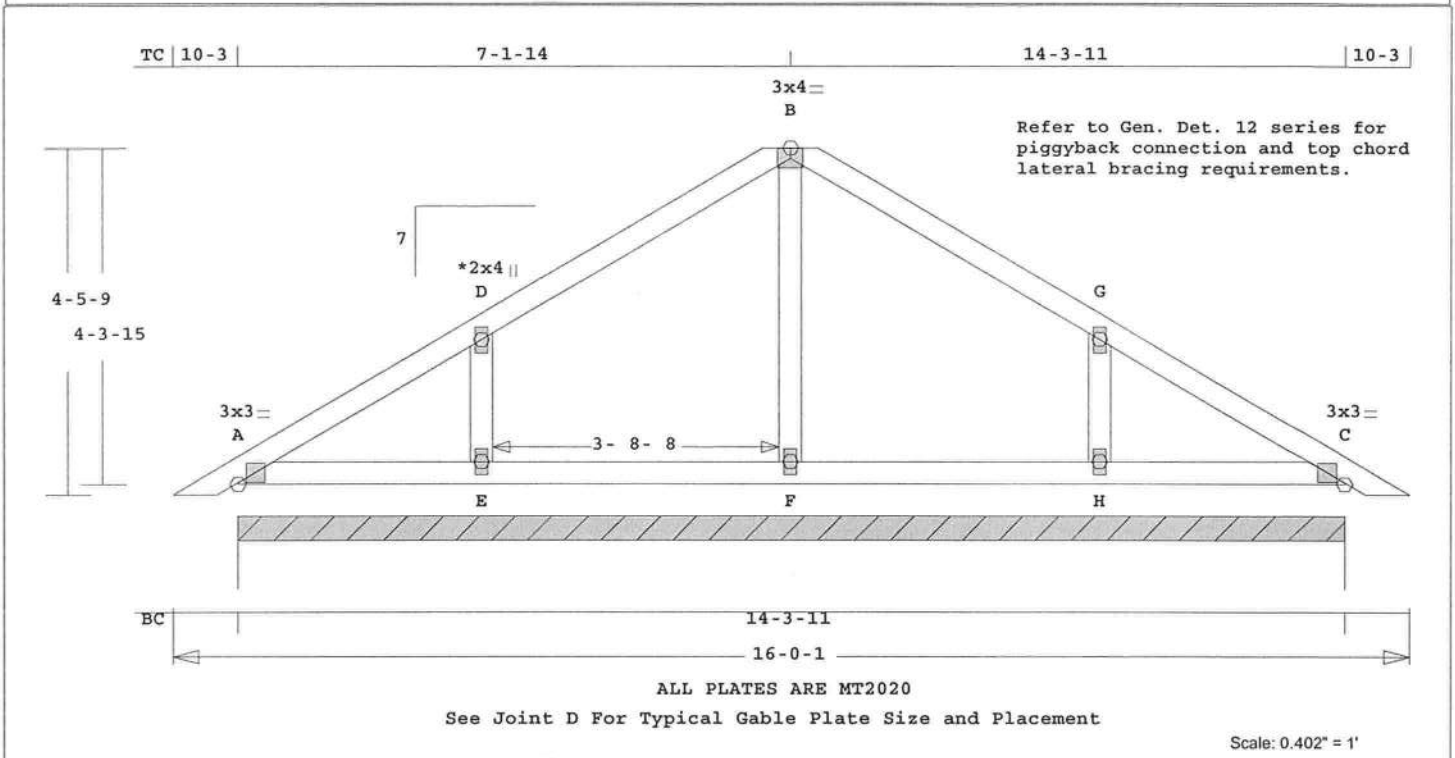


FL Cert. 6634

March 29, 2011

Job JOHNSON-LOT16	Mark P2	Quan 1	Type TR	Span 160001	Pl-H1 7	Left OH 10- 3	Right OH 10- 3	Engineering T4039532
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

CSI -Size- ---Lumber---
TC 0.13 2x 4 SP-#2
BC 0.08 2x 4 SP-#2
GW 0.03 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 16- 0- 1
BC Cont. 0- 0- 0 16- 0- 1

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 1147 245 U 99 R

Jt Brg Size Required
A 171.7" 0"-to- 172"

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

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -D	0.13	83	C	0.00	0.13
D -B	0.13	135	C	0.00	0.13
B -G	0.13	135	C	0.00	0.13
G -C	0.13	83	C	0.00	0.13
-----Bottom Chords-----					
A -E	0.07	1	T	0.00	0.07
E -F	0.08	0	T	0.00	0.08
F -H	0.08	0	T	0.00	0.08
H -C	0.07	1	T	0.00	0.07
-----Gable Webs-----					
E -D	0.03	266	C		
F -B	0.03	130	C		

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 75.3 LBS

H -G 0.03 266 C

TL Defl 0.00" in E -F L/999
LL Defl 0.00" in E -F L/999
Shear // Grain in D -B 0.14

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 3.0 Ctr Ctr 0.56
D MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 3.0x 4.0 Ctr Ctr 0.50
G MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 3.0x 3.0 Ctr Ctr 0.56
E MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
H MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00

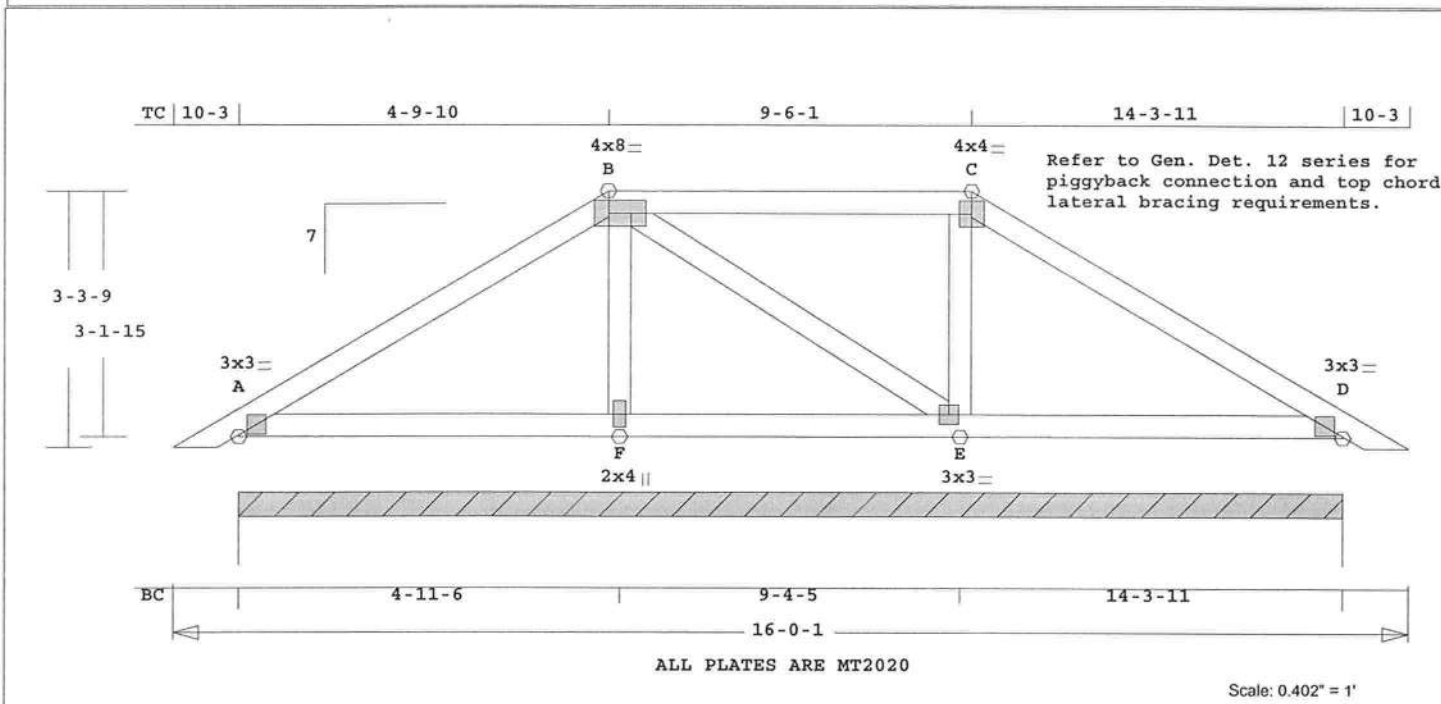
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 266 Lbs
Max tens. force 233 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job JOHNSON-LOT16	Mark P3	Quan 1	Type HIPP	Span 160001	Pl-H1 7	Left OH 10- 3	Right OH 10- 3	Engineering T4039533
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

TC	0.17	2x 4	SP-#2
BC	0.12	2x 4	SP-#2
WB	0.04	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	16- 0- 1
BC	Cont.	0- 0- 0	16- 0- 1

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	1147	245 U	67 R

Jt	Brg Size	Required
A	171.7"	0"-to- 172"

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

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - B	0.16		434 C	0.00	0.16
B - C	0.14		325 C	0.00	0.14
C - D	0.17		329 C	0.00	0.17
-----Bottom Chords-----					
A - F	0.12		3 T	0.00	0.12
F - E	0.12		0 T	0.00	0.12
E - D	0.12		2 T	0.00	0.12
-----Webs-----					

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 79.5 LBS

F - B	0.01	125 T
B - E	0.04	118 C
E - C	0.01	111 C

TL Defl	-0.03"	in E - D	L/999
LL Defl	-0.01"	in E - D	L/999
Shear // Grain		in B - C	0.16

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 3.0 Ctr Ctr 0.56
B MT20 4.0x 8.0 Ctr Ctr 0.58
C MT20 4.0x 4.0 Ctr Ctr 0.58
D MT20 3.0x 3.0 Ctr Ctr 0.56
F MT20 2.0x 4.0 Ctr Ctr 0.13
E MT20 3.0x 3.0 Ctr Ctr 0.22

REVIEWED BY:

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

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-

concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 434 Lbs

Max tens. force 278 Lbs

Connector Plate Fabrication

Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

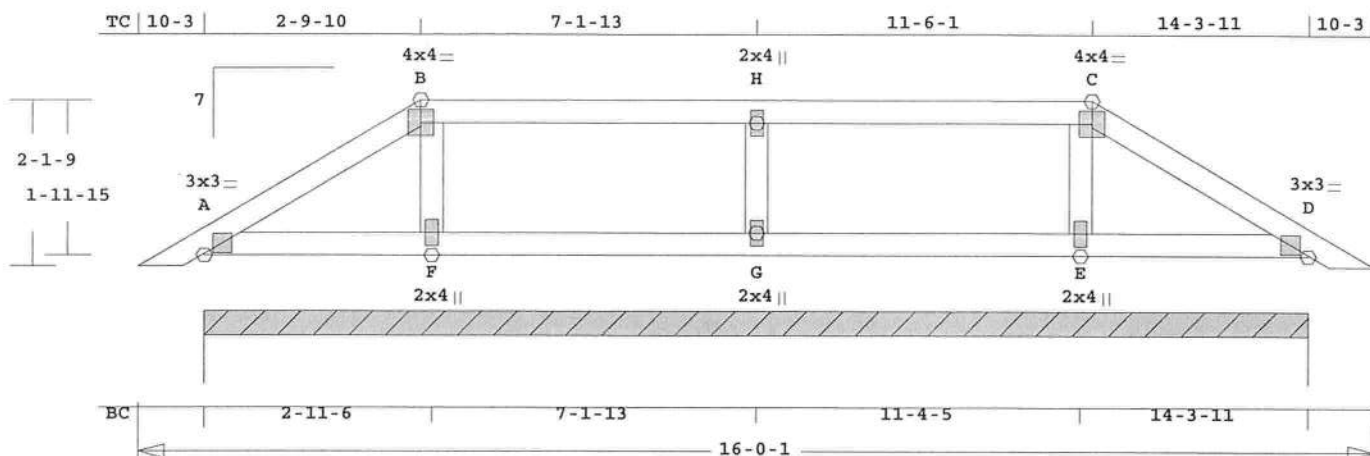


FL Cert. 6634

Job JOHNSON-LOT16	Mark P4	Quan 1	Type HIPP	Span 160001	P1-H1 7	Left OH 10- 3	Right OH 10- 3	Engineering T4039534
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LOT 16 RUSSWOOD ESTATES

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



ALL PLATES ARE MT2020

Scale: 0.402" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 67.4 LBS

CSI -Size- ---Lumber---
TC 0.20 2x 4 SP-#2
BC 0.10 2x 4 SP-#2
WB 0.03 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 16- 0- 1	
BC Cont.	0- 0- 0 16- 0- 1	

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	1147	245 U	38 R

Jt	Brg Size	Required
A	171.7"	0"-to- 172"

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	0.04	90 C	0.00	0.04	
B -H	0.20	108 C	0.00	0.20	
H -C	0.20	108 C	0.00	0.20	
C -D	0.04	90 C	0.00	0.04	
-----Bottom Chords-----					
A -F	0.07	1 T	0.00	0.07	
F -G	0.10	0 T	0.00	0.10	
G -E	0.10	0 T	0.00	0.10	
E -D	0.07	1 T	0.00	0.07	
-----Webs-----					

F -B	0.01	150 C
G -H	0.03	289 C
E -C	0.01	150 C

TL Defl	0.00"	in F -G	L/999
LL Defl	0.00"	in F -G	L/999
Shear // Grain	in B -H	0.18	

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 3.0 Ctr Ctr 0.56
B MT20 4.0x 4.0 Ctr Ctr 0.58
H MT20 2.0x 4.0 Ctr Ctr 0.21
C MT20 4.0x 4.0 Ctr Ctr 0.58
D MT20 3.0x 3.0 Ctr Ctr 0.56
F MT20 2.0x 4.0 Ctr Ctr 0.13
G MT20 2.0x 4.0 Ctr Ctr 0.21
E MT20 2.0x 4.0 Ctr Ctr 0.13

REVIEWED BY:

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

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-

concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 289 Lbs
Max tens. force 234 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

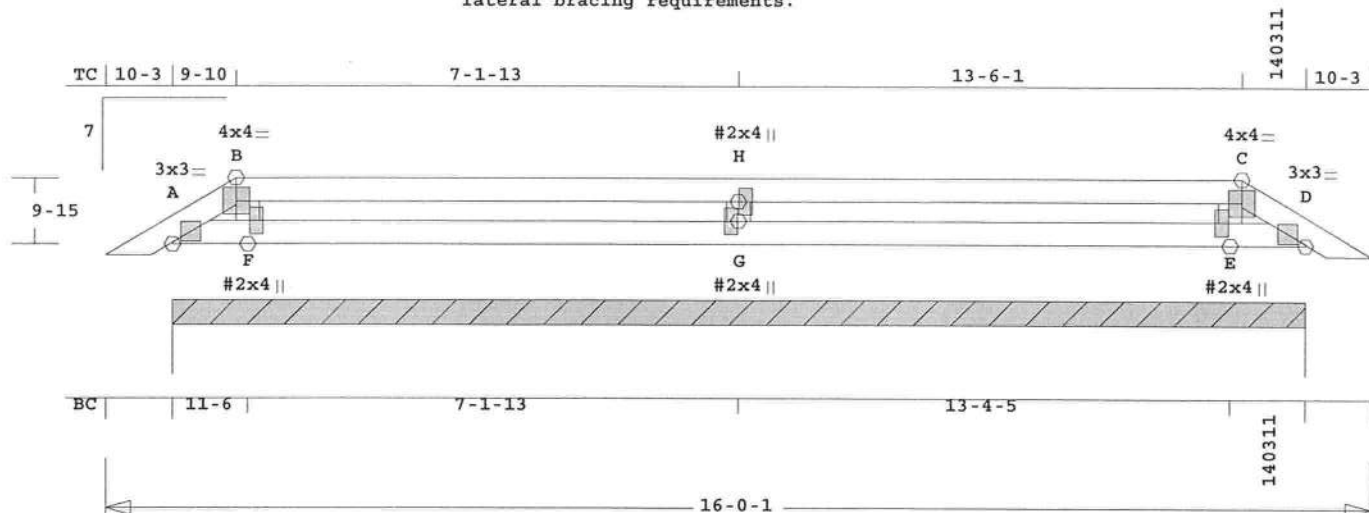


FL Cert. 6634

Job JOHNSON-LOT16	Mark P5	Quan 1	Type HIPP	Span 160001	Pl-H1 7	Left OH 10- 3	Right OH 10- 3	Engineering T4039535
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LOT 16 RUSSWOOD ESTATES

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



Scale: 0.412" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

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

TC	0.44	2x 4	SP-#2
BC	0.22	2x 4	SP-#2
WB	0.04	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	16- 0- 1	
BC Cont.	0- 0- 0	16- 0- 1	

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	1147	245 U	9 R

Jt	Brg Size	Required
A	171.7"	0"-to- 172"

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	0.05		54 C	0.00	0.05
B -H	0.44		26 C	0.00	0.44
H -C	0.44		26 C	0.00	0.44
C -D	0.05		54 C	0.00	0.05
-----Bottom Chords-----					
A -F	0.16		7 C	0.00	0.16
F -G	0.22		0 T	0.00	0.22
G -E	0.22		0 T	0.00	0.22
E -D	0.16		7 C	0.00	0.16
-----Webs-----					
F -B	0.04		332 C		
G -H	0.04		426 C		
E -C	0.04		332 C		

TL Defl -0.04" in G -E L/999
LL Defl -0.02" in G -E L/999

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 59.6 LBS

Shear // Grain in B -H 0.27

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 3.0 Ctr Ctr 0.56
B MT20 4.0x 4.0 Ctr Ctr 0.58
H# MT20 2.0x 4.0 1.0 Ctr 0.31
C MT20 4.0x 4.0 Ctr Ctr 0.58
D MT20 3.0x 3.0 Ctr Ctr 0.56
F# MT20 2.0x 4.0 1.2 Ctr 0.23
G# MT20 2.0x 4.0-1.2 Ctr 0.32
E# MT20 2.0x 4.0-1.2 Ctr 0.23

= Plate Monitor used

REVIEWED BY:

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

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 426 Lbs
Max tens. force 345 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

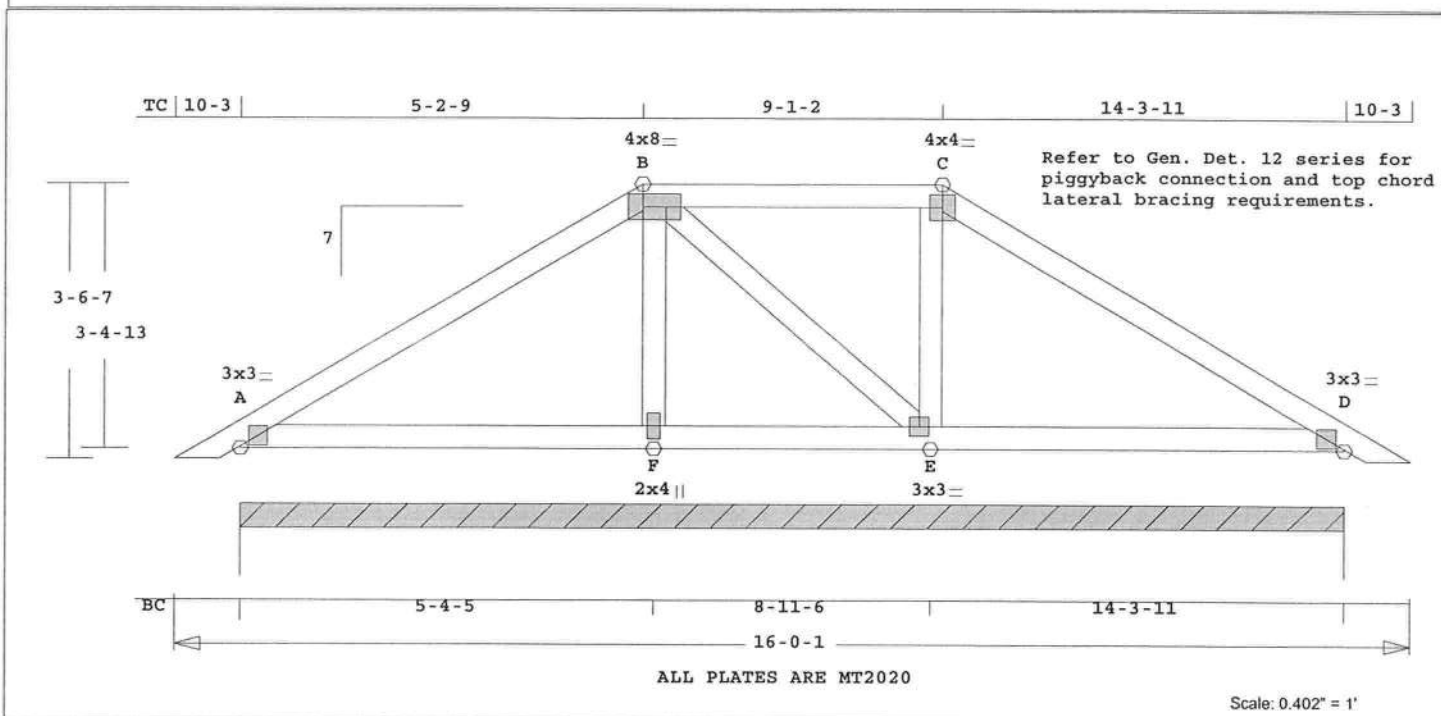


FL Cert. 6634

March 29, 2011

Job JOHNSON-LOT16	Mark P6	Quan 1	Type HIPP	Span 160001	Pl-H1 7	Left OH 10- 3	Right OH 10- 3	Engineering T4039536
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LOT 16 RUSSWOOD ESTATES



Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 79.7 LBS

CSI -Size- ---Lumber---

TC	0.21	2x 4	SP-#2
BC	0.13	2x 4	SP-#2
WB	0.05	2x 4	SP-#2

F - B	0.02	195	T
B - E	0.05	155	C
E - C	0.01	67	T

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	16- 0- 1	
BC Cont.	0- 0- 0	16- 0- 1	

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	1147	245 U	72 R

Jt	Brg Size	Required
A	171.7"	0"-to- 172"

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

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - B	0.20		534	C	0.00 0.20
B - C	0.10		395	C	0.04 0.06
C - D	0.21		400	C	0.00 0.21
-----Bottom Chords-----					
A - F	0.12		3	T	0.00 0.12
F - E	0.12		0	T	0.00 0.12
E - D	0.13		3	T	0.00 0.13
-----Webs-----					

TL Defl	-0.04"	in E - D	L/999
LL Defl	-0.02"	in E - D	L/999
Shear // Grain		in C - D	0.16

Plates for each ply each face.

Plate - MT20	20 Ga,	Gross Area
Plate - MT2H	20 Ga,	Gross Area
Jt Type	Plt Size	X Y JSI
A MT20	3.0x 3.0	Ctr Ctr 0.56
B MT20	4.0x 8.0	Ctr Ctr 0.58
C MT20	4.0x 4.0	Ctr Ctr 0.58
D MT20	3.0x 3.0	Ctr Ctr 0.56
F MT20	2.0x 4.0	Ctr Ctr 0.18
E MT20	3.0x 3.0	Ctr Ctr 0.22

REVIEWED BY:

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

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.

in areas where a rectangle
3- 6- 0 tall by

2- 0- 0 wide

will fit between the B.C.
and any other member.

Design checked for 10 psf non-

concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 534 Lbs
Max tens. force 374 Lbs
Connector Plate Fabrication
Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

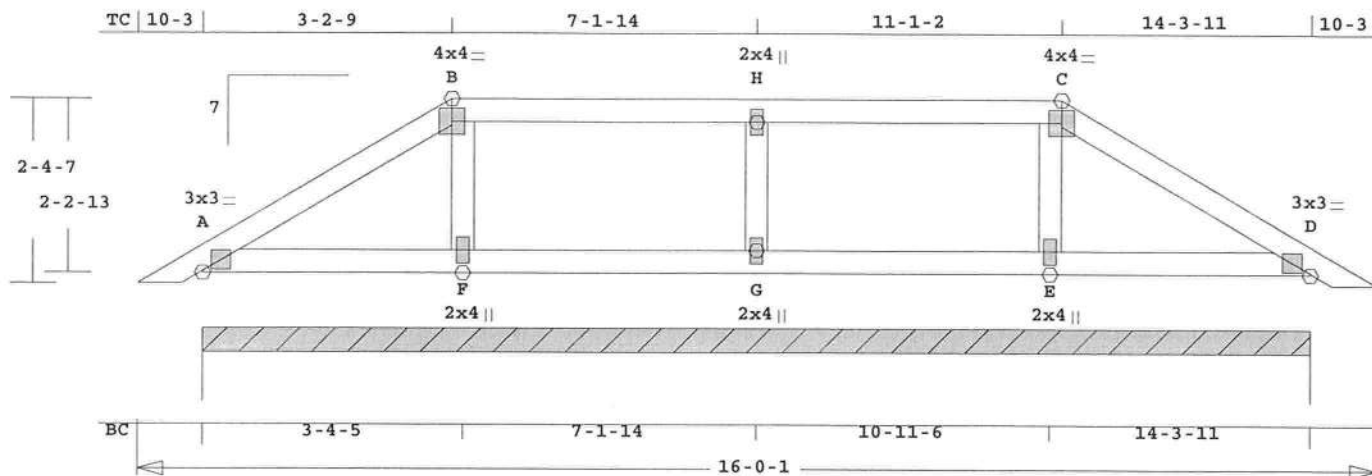


FL Cert. 6634

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
JOHNSON-LOT16	P7	1	HIPP	160001	7	10- 3	10- 3	T4039537

LOT 16 RUSSWOOD ESTATES

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



ALL PLATES ARE MT2020

Scale: 0.402" = 1'

Online Plus -- Version 28.0.007
RUN DATE: 29-MAR-11

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 69.0 LBS

CSI -Size- ---Lumber---
TC 0.15 2x 4 SP-#2
BC 0.07 2x 4 SP-#2
WB 0.03 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 16- 0- 1	
BC Cont.	0- 0- 0 16- 0- 1	

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 1147 245 U 44 R

Jt Brg Size Required
A 171.7" 0"-to- 172"

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

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.07		136 C	0.00	0.07
B -H	0.15		150 C	0.00	0.15
H -C	0.15		150 C	0.00	0.15
C -D	0.07		136 C	0.00	0.07
-----Bottom Chords-----					
A -F	0.07		1 T	0.00	0.07
F -G	0.07		0 T	0.00	0.07
G -E	0.07		0 T	0.00	0.07
E -D	0.07		1 T	0.00	0.07
-----Webs-----					
F -B	0.01		129 C		

G -H 0.03 255 C
E -C 0.01 129 C

TL Defl 0.00" in E -D L/999
LL Defl 0.00" in F -G L/999
Shear // Grain in B -H 0.16

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 3.0 Ctr Ctr 0.56
B MT20 4.0x 4.0 Ctr Ctr 0.58
H MT20 2.0x 4.0 Ctr Ctr 0.19
C MT20 4.0x 4.0 Ctr Ctr 0.58
D MT20 3.0x 3.0 Ctr Ctr 0.56
F MT20 2.0x 4.0 Ctr Ctr 0.13
G MT20 2.0x 4.0 Ctr Ctr 0.19
E MT20 2.0x 4.0 Ctr Ctr 0.13

REVIEWED BY:

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

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by

2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for

web bracing and plating.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 255 Lbs

Max tens. force 208 Lbs

Connector Plate Fabrication

Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

March 29, 2011

ONLINE PLUS GENERAL NOTES & SYMBOLS

108

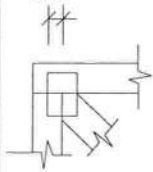
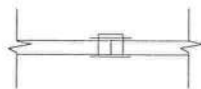


PLATE LOCATION

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

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



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

LATERAL BRACING

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

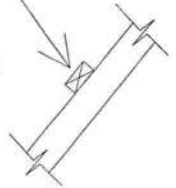
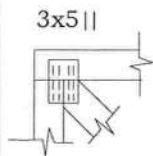


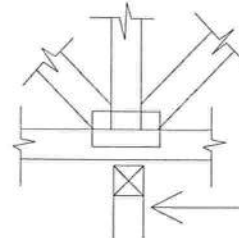
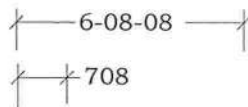
PLATE SIZE AND ORIENTATION



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

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.



MiTek Industries, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

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

COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 10-4S-16-02853-416

Building permit No. 000029326

Use Classification SFD/UTILITY

Fire: 44.94

Permit Holder PATRICIA M. JOHNSON

Waste: 117.25

Owner of Building JOHN S. & PATRICIA JOHNSON

Total: 162.19

Location: 212 SW SCOTT PLACE, LAKE CITY, FL 32024

Date: 03/22/2012

Steph Cur

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

