DATE 06/01/2011

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000029445

APPLICANT EUGENE BARNETT PHONE 386-454-1914

ADDRESS 314 SW JANIS WAY HIGH SPRINGS FL 32643

OWNER EUGENE & JANIS BARNETT PHONE 386-454-1914

ADDRESS 294 SW JANIS WAY HIGH SPRINGS FL 32643

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 441 S, R BARNEY ST, L JANIS WAY, 2ND PROPERTY ON RIGHT
OR 3RD DRIVEWAY BACK TO SITE IN REAR

TYPE DEVELOPMENT SFD, MH, UTILITY ESTIMATED COST OF CONSTRUCTION 111800.00

HEATED FLOOR AREA 1632.00 TOTAL AREA 2236.00 HEIGHT 18.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

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

NO. EX.D.U. 2 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 09-7S-17-09960-000 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 5.60

Culvert Permit No.	Culvert Waiver	Contractor's License Number	X Eugene Barnett
			Applicant/Owner/Contractor
EXISTING	11-0248	BK	TC	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD

SIGNED RESIDENTIAL DWELLING AGREEMENT ON FILE

REPLACING EXISTING SFD Check # or Cash 2098

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by

Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by

Framing date/app. by Insulation date/app. by

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

Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by Pool date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by

Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 560.00 CERTIFICATION FEE $ 11.18 SURCHARGE FEE $ 11.18

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** 657.36

INSPECTORS OFFICE L. H CLERKS OFFICE CH

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

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

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

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

COLUMBIA COUNTY BUILDING DEPARTMENT 6-25-09
RESIDENTIAL CHECK LIST REQUIRMENTS

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.)		Total (Sq. Ft.) under roof	IIIIIIII	IIIIIIII	IIIII

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**	IIIII	IIIII	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/m²), to be used for the design of exterior component, cladding materials not specifally 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	1		
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

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 valve of soil _____ 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**	✓		

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 priers			
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			
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 & inter 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 assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles 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 chapter11 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

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 911address 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 if 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

Product Approval

USER: Public User

FL #	FL4904-R4
Application Type	Revision
Code Version	2007
Application Status	Approved *Approved by DCA. Approvals by DCA shall be reviewed and ratified by the POC and/or the Commission if necessary.
Comments	
Archived	
Product Manufacturer	Masonite International
Address/Phone/Email	One North Dale Mabry Suite 950 Tampa, FL 33609 (615) 441-4258 sschreiber@masonite.com
Authorized Signature	Steve Schreiber sschreiber@masonite.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management Institute,
Validated By	National Accreditation & Management Institute,

Referenced Standard and Year (of Standard)

Standard	Year
TAS 201	1994
TAS 202	1994
TAS 203	1994

Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A

Product Approval

USER: Public User

Search Criteria			Refine Search
Code Version	2007	FL#	4595
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL4595-R1 History	Revision	Tri-County Metals **Category:** Roofing **Subcategory:** Metal Roofing	Locke Bowden (334) 300-1800	Approved

*Approved by DCA. Approvals by DCA shall be reviewed and ratified by the POC and/or the Commission if necessary.

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Fax (850) 414-8436

Product Approval Accepts:

FLORIDA DEPARTMENT OF Community Affairs

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- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval

USER: Public User

Product Approval Menu > Product or Application Search > **Application List**

Search Criteria			Refine Search
Code Version	2007	FL#	10350
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL10350-R4 History	Revision	MI Windows and Doors **Category:** Windows **Subcategory:** Single Hung	Steven M. Urich, PE (717) 932-8500	Approved

[1]Approved by DCA. Approvals by DCA shall be reviewed and ratified by the POC and/or the Commission if necessary.

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Fax (850) 414-8436

Product Approval Accepts:

CERTIFICATE OF

M/H 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 06-5S-16-03480-006 **Building permit No.** 000029440

Permit Holder DALE HOUSTON

Owner of Building DALE HOUSTON/JAMES HOUSTON

Location: 945 SW NORRIS AVE, LAKE CITY, FL 32024

Date: 06/08/2011

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

29445

SCHAFER ENGINEERING, LLC

7104 NW 42ND LANE GAINESVILLE FL 32606 PH: 386-462-1340 – 352-375-6329

June 15, 2011

Job: Barnett Residence

Re: Entry Porch Revision

Install 6 x 6 syp #2 pt columns @ 8'-0" maximum spacing with a maximum column height of 8'-0".

Install 24" x 24" x 24" deep concrete wraps with (3) #5 rebar each way on front porch columns with 24" x 24" x 24" deep with (3) #5 rebar each way.

Install 2 x 10 syp #2 rafters @ 24" o.c. with a maximum span of 10'-0" Simpson H-10 or equal for rafter to header connection. Simpson LTS-16 or equal for rafter to wall connection.

Install (2) ply 2 x 10 syp with 7/16 osb flitch minimum with a maximum span of 8'-0". Simpson PC66 or equal.

Install 7/16" osb sheathing using 8d / .113 ring shank nails @ 4" o.c. edges and 8" interior.

6-21-11

Bruce Schafer, P.E. #48984
7104 N. W. 42nd Lane
Gainesville, Florida 32606

~~Bringing Another set of plans.~~ Done T.C. $157.36

Columbia County Building Permit Application

For Office Use Only Application # 1105-38 Date Received 5-18-11 By LH Permit # 29445

Zoning Official BLK Date 1 June 2011 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' above Rd River N/A Plans Examiner T.C. Date 5-25-11

Comments Needs Signed Residential Dwelling Agreement

☑ NOC ☐ EH ☑ Deed or PA ☑ Site Plan ☑ State Road Info ☐ Well letter ☑ 911 Sheet ☑ NA Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☑ NA F W Comp. letter

IMPACT FEES: EMS _____ Fire _____ Corr _____ ☑ Sub VF Form

Road/Code _____ School _____ = TOTAL (Suspended) ☑ App Fee Paid

Septic Permit No. 11-0248 Fax _____ Cell #: 352-317-7847

Name Authorized Person Signing Permit Eugene Barnett Phone 386-454-1914

Address 314 SW Janis Way, High Springs, FL 32643

Owners Name Eugene Barnett Phone 386-454-1914

911 Address 294 SW Janis Way, High Springs, FL 32643 Emailed 5-18-11

Contractors Name Owner Builder Phone _____

Address _____

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Schafer Engineering Inc. 14705 Main St. Alachua FL 32615

Mortgage Lenders Name & Address None

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

Property ID Number 09-7S-17-09960-000 Estimated Cost of Construction 95,800.00

Subdivision Name N/A Lot ____ Block ____ Unit ____ Phase ____

Driving Directions US 441 S, (R) Barney St, (L) Janis Way, 2nd property on (R) 3rd driveway to back of property

Number of Existing Dwellings on Property 2 (replacing 1)

Construction of SFD Total Acreage 5.6 Lot Size 1 AC

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 18'

Actual Distance of Structure from Property Lines - Front 363' Side 241' Side 239' Rear 88'

Number of Stories 1 Heated Floor Area 1632 Total Floor Area 2236 Roof Pitch 6/12

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. **CODE:** Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code. **Page 1 of 2 (Both Pages must be submitted together.)** **Revised 1-11**

Existing SFD used as storage. – Replacing with this SFD. ~~Does owner need to write something out?~~

per Owner / Existing MH Daughter has lived in for approx 20 years.

permit # 14885

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

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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

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

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

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)

Eugene Barnett
Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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

Owner Builder
Contractor's Signature (Permitee)

Contractor's License Number_____
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.

Personally known_____ or Produced Identification_____

SEAL:

State of Florida Notary Signature (For the Contractor)

RESIDENTIAL DWELLING AGREEMENT

App# 1105-38

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

The undersigned, Eugene I. Barnett and Janis A. Barnett, (herein "Owners"), whose physical 911 address on property is 294 SW Janis Way, High Springs, FL 32643, hereby understands by executing this Agreement, that within 30 days after the issuance of a Certificate of Occupancy for a new residential dwelling (house), the existing residential dwelling (house built in 1965) shall have the cooking facilities removed and be disconnected from sanitary sewer (septic tank) in order to comply with density requirements of the Columbia County Comprehensive Plan and Land Development Regulations (LDR's) on Owner's property, particularly described by reference with Columbia County Property Appraiser Tax Parcel No. 09-7S-17-09960-000.

Owners have made application to COLUMBIA COUNTY, FLORIDA for a permit which as by definition in the Columbia County LDR's is a residential dwelling to replace the existing residential dwelling on the above reference property. Owners are aware and have been advised that any other uses shall comply with the LDR's and shall obtain any additional permitting or approval as required by the LDR's for such uses. This Agreement is made and given by Affiants with full knowledge and accept the terms of the Agreement and agree to comply with it.

Owner and any future transferee of the property will at all times comply with this agreement and the Columbia County Comprehensive Plan and Land Development Regulations regarding any development upon the property.

x _____
Owner

Eugene I. Barnett
Typed or Printed Name

x _____
Owner

Janis A. Barnett
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 1 day of June, 2011, by Eugene Barnett (Owner) who is personally known to me or has produced _____ as identification.

_____
Notary Public

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

Subscribed and sworn to (or affirmed) before me this 1 day of June, 2011, by Janis Barnett (Owner) who is personally known to me or has produced _____ as identification.

_____
Notary Public

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

JANUARY 1, 2009	SCAB APPLIED OVERHANGS	ST-REP13A

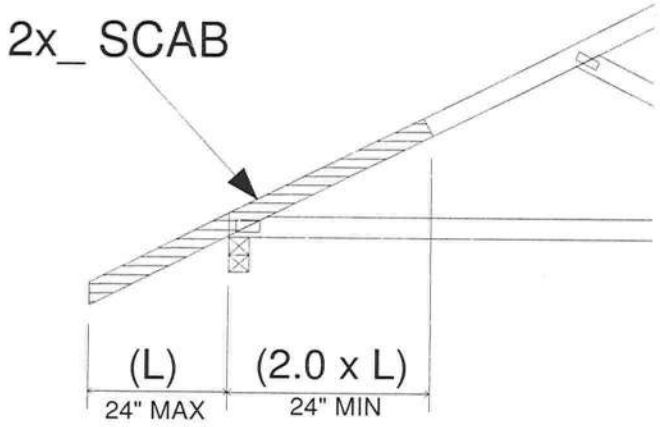
MiTek Industries, Inc.

MiTek Industries, Chesterfield, MO

* 29445

TRUSS CRITERIA:
- LOADING: 40-10-0-10
- DURATION FACTOR: 1.15
- SPACING: 24" O.C.
- TOP CHORD: 2x4 OR 2x6
- PITCH: 4/12 - 12/12
- HEEL HEIGHT: STANDARD HEEL UP TO 12" ENERGY HEEL
- END BEARING CONDITION

NOTES:
1. ATTACH 2x_ SCAB (MINIMUM NO.2 GRADE SPF, HF, SYP, DF) TO ONE FACE OF TRUSS WITH TWO ROWS OF 10d COMMON WIRE NAILS (.148"DIA. x 3") SPACED 6" O.C.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.



NOTE: TRUSS BUILT WITHOUT AN OVERHANG. THIS DETAIL IS NOT TO BE USED WHEN OVERHANG HAS BEEN BROKEN OFF.

IMPORTANT
This detail to be used only with trusses (spans less than 40') spaced 24" o.c. maximum and having pitches between 4/12 and 12/12 and total top chord loads not exceeding 50 psf.
Trusses not fitting these criteria should be examined individually.

REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

FL Cert. 6634

June 23, 2011

fax Back to 758-2160

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1105-38 CONTRACTOR Eugene Barnett Owner PHONE

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 Owner License #:	Signature Eugene Barnett Phone #:
MECHANICAL/ A/C dlc B (1059)	Print Name Timmy's Heating & Air, Inc (Timothy Hough) License #: CAC1814667	Signature See Attached Sheet Phone #: 386-497-4659
PLUMBING/ GAS	Print Name OWNER License #:	Signature Phone #:
ROOFING	Print Name OWNER License #:	Signature Phone #:
SHEET METAL	Print Name OWNER License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

fax 497-2852

owner

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON		OWNER	Eugene Barnett *
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			

owner

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.

fax Back to 758-2160

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1105-38 CONTRACTOR Eugene Barnett Owner PHONE

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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 Owner License #	Signature Eugene Barnett Phone #:
MECHANICAL/ A/C	Print Name Timmy's Heating & Air, Inc License #: CAC1814667	Signature Timothy E Haugh Phone #: 386-497-4659
PLUMBING/ GAS	Print Name OWNER License #:	Signature Phone #:
ROOFING	Print Name OWNER License #:	Signature Phone #:
SHEET METAL	Print Name OWNER License #:	Signature owner Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

497-2853

Specialty License	License Number	Sub-Contractor Printed Name	Sub-Contractor Signature
MASON		OWNER	Eugene Barnett
CONCRETE FINISHER		"	
FRAMING		"	
INSULATION		"	
STUCCO			
DRYWALL		"	
PLASTER		"	
CABINET INSTALLER		"	
PAINTING		"	owner
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.

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Inst:201112007456 Date:5/18/2011 Time:2:11 PM
DC,P DeWitt Cason,Columbia County Page 1 of 1 B:1214 P:2296

Tax Parcel Identification Number:

09-7S-17-09960-000

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)*: NE COR NW¼, S633 to POB - W495, S 528, E495, N495 to POB.
   a) Street *(job)* Address: 314 SW James Way, High Springs FL 32643
2. General description of improvements: Single family Dwelling
3. Owner Information
   a) Name and address: Eugene Barnett
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property Owner
4. Contractor Information
   a) Name and address: Owner Builder
   b) Telephone No.: _____ Fax No. (Opt.) _____
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: N/A
   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(l)(b), Florida Statutes:
   a) Name and address: N/A
   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. Eugene Barnett
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Eugene Barnett
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 18 day of May, 20 11, by: Eugene Barnett as Owner (type of authority, e.g. officer, trustee, attorney fact) for Owner Builder (name of party on behalf of whom instrument was executed).

Personally Known ✓ OR Produced Identification ____ Type _____

Notary Signature Laurie Hodson Notary Stamp or Seal:

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

-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.

Eugene Barnett
Signature of Natural Person Signing (in line #10 above.)

BARNETT MAY 16 2011 Rocky D 7-

Columbia County Property Appraiser

J. Doyle Crews - Lake City, Florida 32055 | 386-758-1083

PARCEL: 09-7S-17-09960-000 - SINGLE FAM (000100)

COMM NE COR OF NW1/4 OF NE1/4, RUN S 633 FT FOR POB, RUN W 495 FT, S 528 FT, E 495, N 495 FT TO POB, EX RD R/W. ORB 551-220,

NOTES:

Name: BARNETT I EUGENE & JANIS A

Site: 314 SW JANIS WAY ← EXISTING Address

Mail: 314 SW JANIS WAY
HIGH SPRINGS, FL 32643

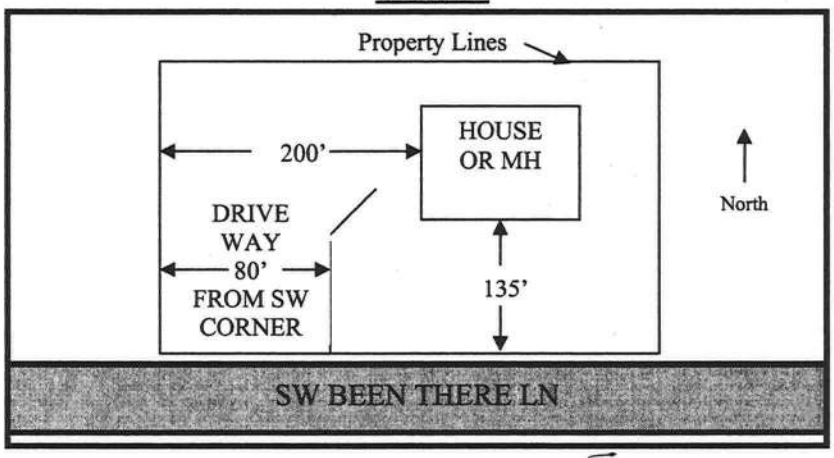
Sales Info: NONE

2010 Certified Values

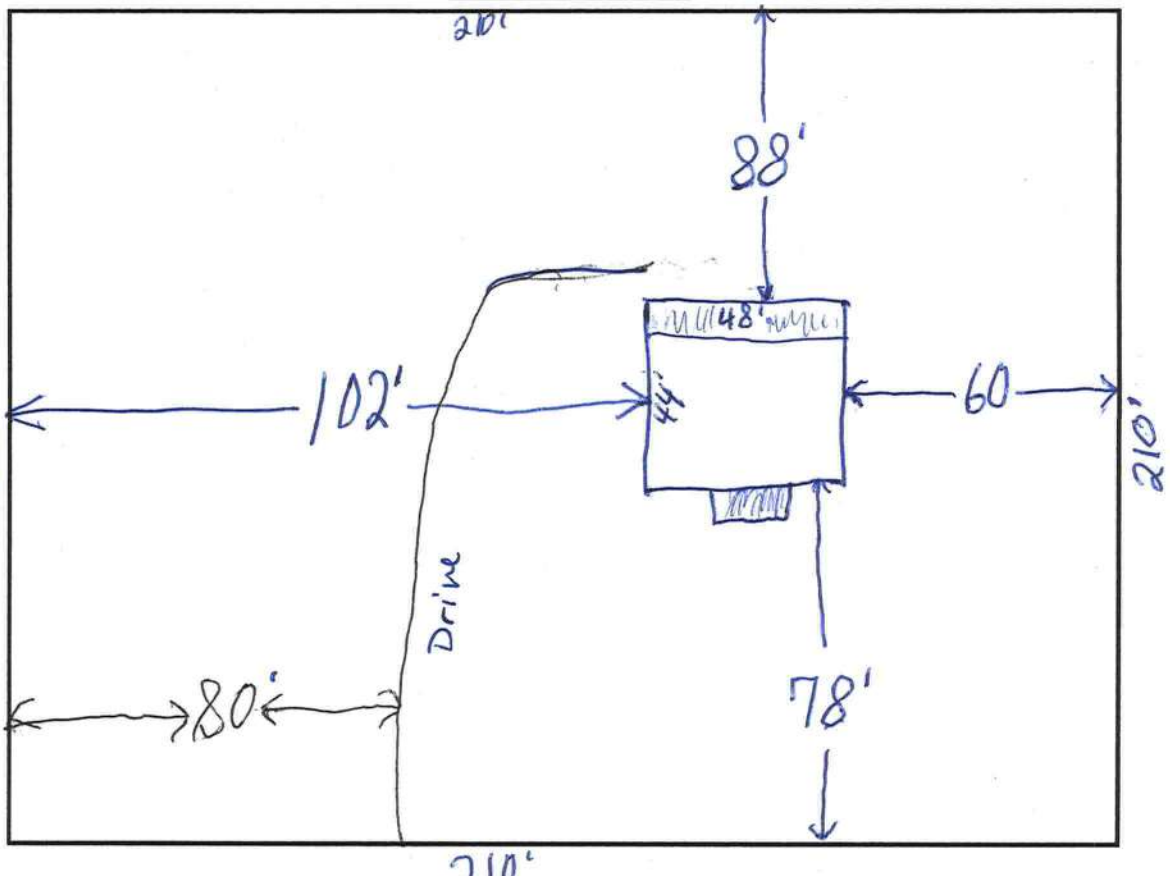
Land	$31,862.00
Bldg	$29,660.00
Assd	$35,034.00
Exmpt	$25,000.00
Taxbl	Cnty: $10,034 Other: $10,034 | Schl: $10,034

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:



COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 5/18/2011 **DATE ISSUED:** 5/24/2011

ENHANCED 9-1-1 ADDRESS:

294 SW JANIS WAY

HIGH SPRINGS FL 32643

PROPERTY APPRAISER PARCEL NUMBER:

09-7S-17-09960-000

Remarks:

3RD LOCATION ON PARCEL

Address Issued By: SIGNED: / RONAL N. CROFT

Columbia County 9-1-1 Addressing / GIS Department

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

1993

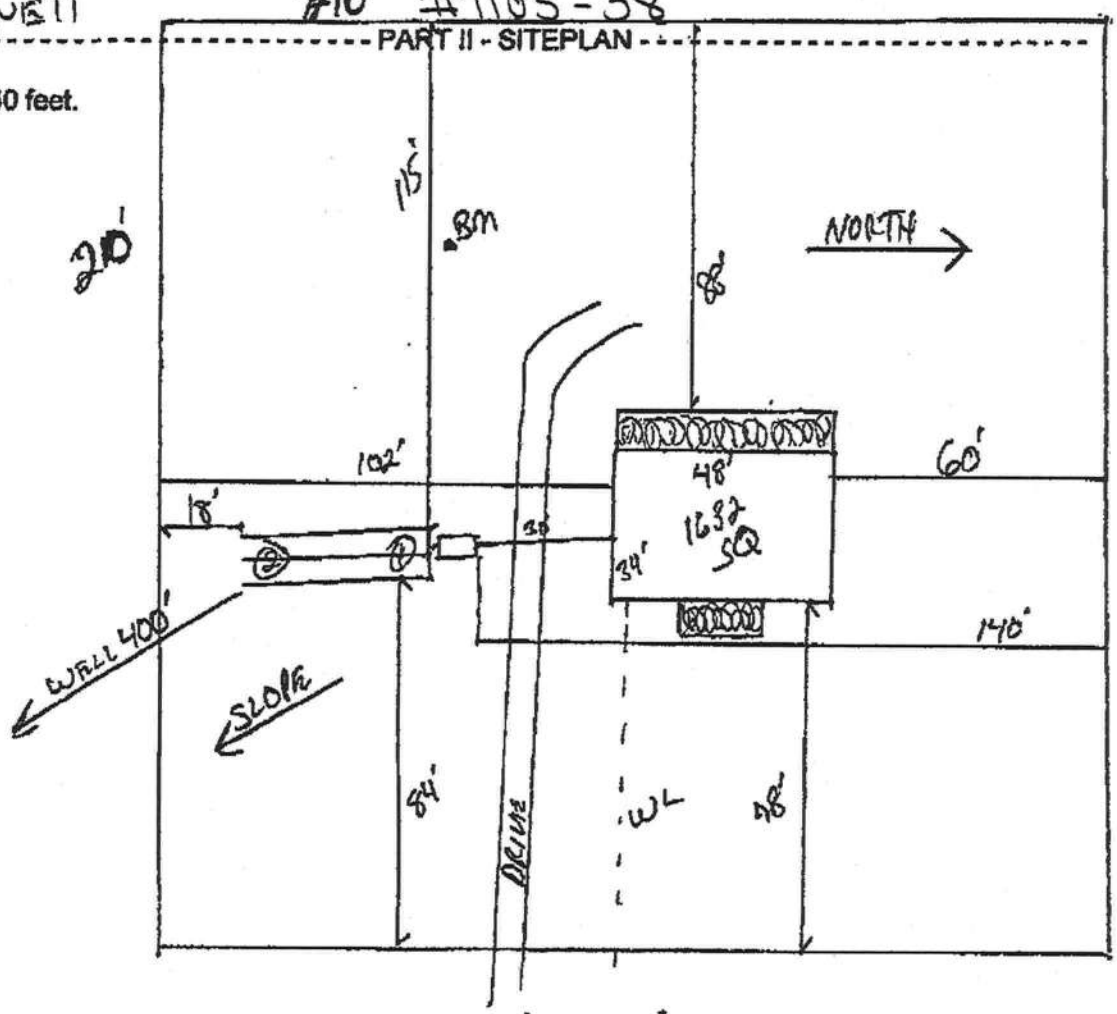
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 11-0248

BARNETT 210' #1105-38

PART II - SITEPLAN

Scale: 1 inch = 40 feet.



Notes: 1 of 5.6 Acres See Attached

Site Plan submitted by: Rocky D Ford MASTER CONTRACTOR

Plan Approved ✓ Not Approved Date 5-19-11

By Sallie Ford - Env Health Director Columbia County Health Department CHD

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Columbia County Property Appraiser

DB Last Updated: 5/3/2011

2010 Tax Year

Tax Collector | Tax Estimator | Property Card | Parcel List Generator | Interactive GIS Map | Print

Parcel: 09-7S-17-09960-000

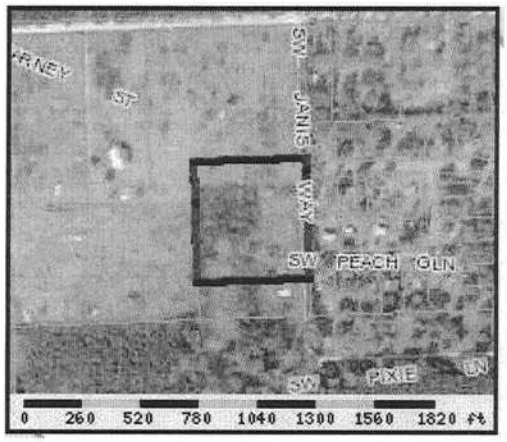
<< Next Lower Parcel | Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	BARNETT I EUGENE & JANIS A		
Mailing Address	314 SW JANIS WAY HIGH SPRINGS, FL 32643		
Site Address	314 SW JANIS WAY		
Use Desc. (code)	SINGLE FAM (000100)		
Tax District	3 (County)	**Neighborhood**	9717
Land Area	5.600 ACRES	**Market Area**	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		

COMM NE COR OF NW1/4 OF NE1/4, RUN S 633 FT FOR POB, RUN W 495 FT, S 528 FT, E 495, N 495 FT TO POB, EX RD R/W. ORB 551-220,



Property & Assessment Values

2010 Certified Values		
Mkt Land Value	cnt: (0)	$31,862.00
Ag Land Value	cnt: (2)	$0.00
Building Value	cnt: (1)	$29,660.00
XFOB Value	cnt: (1)	$600.00
Total Appraised Value		$62,122.00
Just Value		$62,122.00
Class Value		$0.00
Assessed Value		$35,034.00
Exempt Value	(code: HX)	$25,000.00
Total Taxable Value		Cnty: $10,034 Other: $10,034 | Schl: $10,034

2011 Working Values

NOTE:

2011 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
NONE						

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1965	(31)	750	1030	$25,423.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0120	CLFENCE 4	2004	$600.00	0000001.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	5.6 AC	1.00/1.00/1.00/1.00	$4,799.38	$26,876.00

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

OWNER BUILDER DISCLOSURE STATEMENT

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed $75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased with in 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address http://www.myflorida.com/dbpr/pro/cilb/index.html for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

Property Address 314 SW Janis Way, High Springs, FL 32038.

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual of firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of $300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of $100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

TYPE OF CONSTRUCTION

(✓) Single Family Dwelling ( ) Two-Family Residence ( ) Farm Outbuilding

( ) Addition, Alteration, Modification or other Improvement

( ) Commercial, Cost of Construction_____ Construction of_____

( ) Other_____

I Eugene Barnett, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

Eugene Barnett 5-18-11

Owner Builder Signature Date

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification _____

Notary Signature L. Hodson Date 5-18-11 (Seal)

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner builder has been given notice of the restriction stated above.

Building Official/Representative L. Hodson

Revised: 7-23-09
DISCLOSURE STATEMENT 09
Documents: B&Z Forms

Schafer Engineering, LLC

14705 Main St. Alachua FL 32615

Prepared for:

THE BARNETT RESIDENCE
HIGH SPRINGS, FLORIDA

By:

Schafer Engineering, LLC

386-462-1340 / 352-375-6329

NO COPIES ARE TO BE PERMITTED

SCHAFER ENGINEERING, LLC

7104 NW 42ND LANE \ GAINESVILLE FL. 32606
PHONE: 386-462-1340 \ 352-375-6329

Trusses: Pre-engineered, pre-fabracated with the manufacturers required bracing system installed.

Roof Sheathing: Type: OSB Size: 7/16 Fastener type nails: 8d / .113 Ring Shank
Interior zone spacing: Interior: 6" Periphery: 4
Edge and end zone spacing: Interior: 6" Periphery: 4

Double Top Plate: Type: Spruce Grade: #1 #2 Size: 2 x 4 Nail Spacing: 8 in

Stud Type: Spruce Grade: #1 #2 Size: 2 x 4
Interior stud spacing: 16" End stud spacing: 16"

Shear Wall Siding: Type: OSB Thickness: 7/16
33 ft Trans: Fastener 8d/131 Spacing: Int: 8 Edge: 4
30 ft Trans: Fastener 8d/131 Spacing: Int: 8 Edge: 4

Allowable Unit Shear on Shear Walls: 314 pounds per linear foot
Unit Shear Transferred from Diaphragm: Trans: 124 Long: 122

Wall Tension Transferred by: Siding Nails: 8d/131 @ 4 O.C. Edges

Foundation Anchor Bolts: Concrete Strength: 3000 psi Size: 1/2"
Washer: 2" Embedment: 7" Location of first anchor bolt from corner: 8"

Anchor Bolts @ 48" o.c. Model: A307 Loc. from corner: 8"
Type of Foundation: (1) - #5 rebar continuous required in bond beam.
Floor Slab: 4" Cmu size: 8" x 16" Height: 24" Rein.: #5 at 72" o.c.

Monolithic Footing: Depth: 20" Bottom Width: 12 Rein.: 2 #5 rebars

Stemwall Footing: Width: 20 Depth: 10 Rein.: 2 #5 rebar
Interior Footings 16" Wide X 10" Deep with 2-#5 rebar continuous

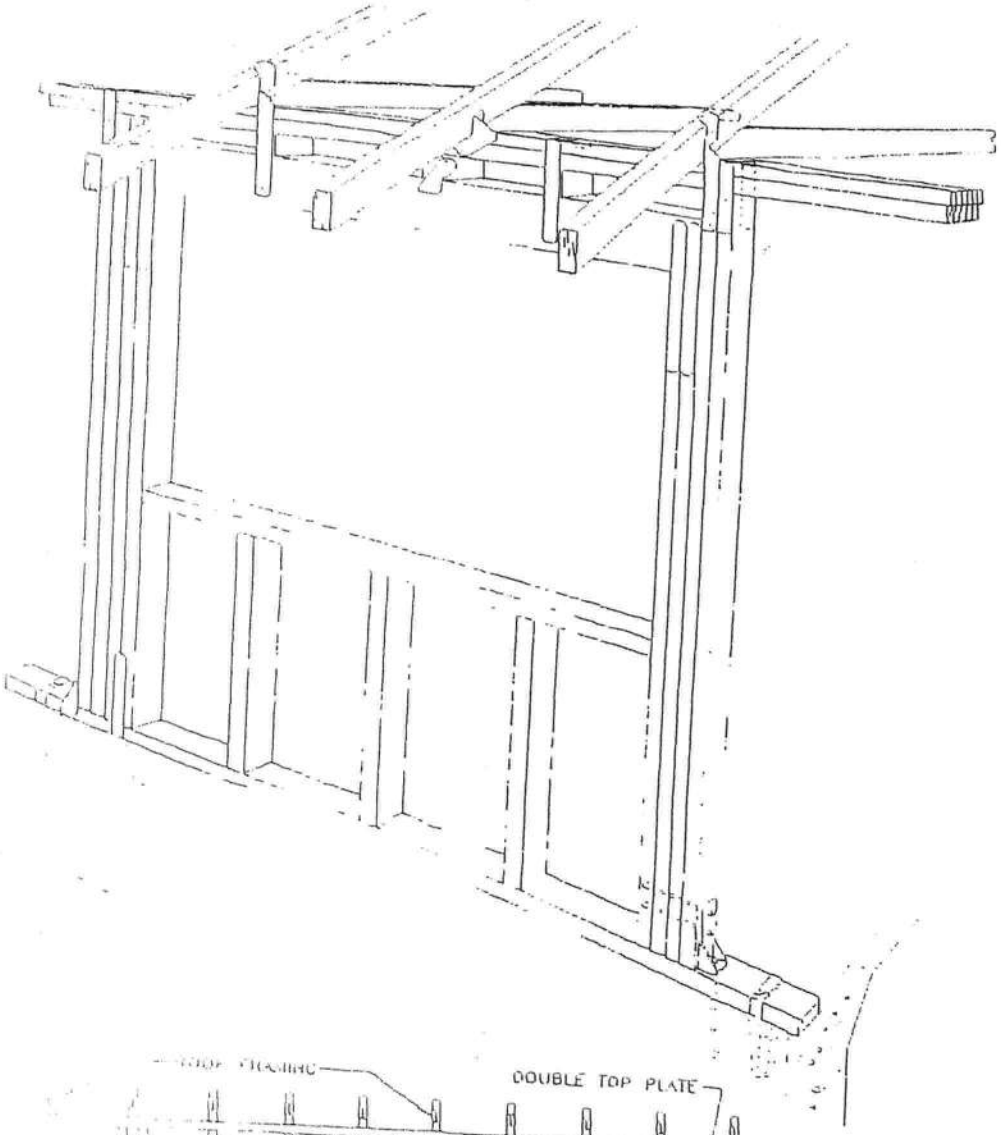
Porch Columns: 6X6X8' Syp #2 PT @ 96" O.C. MAX. Column Fasteners: Simpson CB66/PC66 OR EQUAL

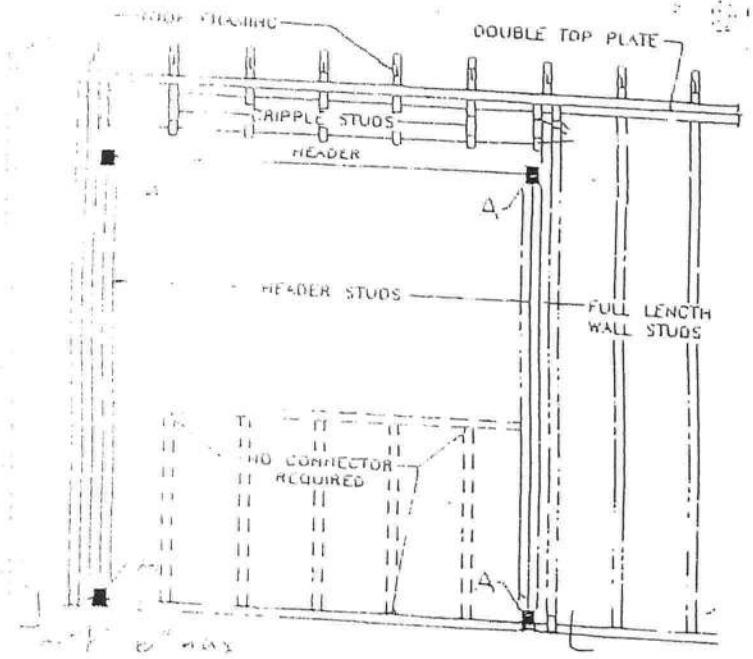
Special Comments: Install (2)2x4 2X10 Syp #2 Porch Headers w/ MAX span of 11'-4" Front & 8'-0" MAX span Rear porch. Rear porch rafters to be 2X10 Syp #2 @ 24" O.C. MAX SPAN of 10'-0". Simpson H-10 or equal.
Install concrete wraps on rear porch columns with 24"X24"X24" with (7) #5 EA. WAY

Notes:
1. Balloon frame all gable ends unless accompanied by gable end detail
2. All trusses must bear on exterior walls and porch beams.
3. All walls to be nailed with same nailing pattern as the shear walls.
4. This is a wind load ONLY not a structural analysis.
5. This wind load is not valid without a raised, embossed seal.
6. It is assumed that ideal soil conditions and pad preparations are provided.
7. Fiber mesh or WWM may be used in concrete slab.
8. Trusses must be installed and anchored in accordance to the truss engineering.
9. All headers spanning over 12' must be pre-engineered.
10. The foundatioin and walls are minimum design use, and may be increased.
11. Wind load is for one use only \ FBC-2007 \ No copies permitted

4-15-11

Bruce Schafer, P. E. #48984
7104 NW 42ND LN
GAINESVILLE, FL. 32606





Total each truss uplift on the header divide by 2 for header anchorage

SCHAFER ENGINEERING, LLC

7104 NW 42ND LANE \ GAINESVILLE FL. 32606

PHONE: 386-462-1340 \ 352-375-6329

HEADER STRAPPING				
Uplift Lbs	Top Connector	Rating Lbs	Bottom Connector	Rating Lbs
to 455	LSTA19	635	H3	320
to 910	LSTA12	795	2-H3	640
to 1265	LSTA18	1110	LTT19	1305
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2165
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3130

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

TRUSSES \ GIRDERS			
Uplift Lbs	Top Connector	Bottom Connector	Rating Lbs
to 535	H2.5A	NA	
to 1015	H10A	NA	
to 1215	TS22	LTT19	1305
to 1750	2-TS22	LTT20	1750
to 2570	2-TS22	HD2A	2775
to 3665	3-TS22	HD5A	4010
to 5420	2-MST37	HTT22	5250
to 9660	2-MST60	HD10A	9540

Two 12d common toenials are required per truss for each bearing point into top plate.
It is the contractors responsibility to provide a continuous load path from truss to foundation.

	TOP CONNECTOR	RATING LBS	BOTTOM CONNECTOR	RATING LBS
BEAM SEATS	LSTA18	1110	LTT19	1305
POSTS	2-LSTA18	2220	ABU44	2300

1. Simpson or equivient hardware may be used. For nailing into spruce members, multiply table values by .86
2. See truss engineering for anchor uplift values.
3. This schedule is not meant to be a replacement to the specified values of any manufactures values.

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User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	26.6	Deg
Type of Roof	Hipped	
Eave Height (Eht)	8.00	ft
Ridge Height (RHt)	17.68	ft
Mean Roof Height (Ht)	13.18	ft
Width Perp. to Wind (B)	52.00	ft
Width Parallel to Wind (L)	48.00	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.27
Flexible Structure	No

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

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
lzm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.8995	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8657	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	V*(5280/3600)	161.33	ft/s
Vzm	bm*(zm/33)^Am*Vhref	70.89	ft/s
NF1	NatFreq*Lzm/Vzm	4.37	Hz
Rn	(7.47*NF1)/(1+10.302*NF1)^1.667	0.0552	
Nh	4.6*NatFreq*Ht/Vzm	0.86	
Nb	4.6*NatFreq*B/Vzm	3.37	
Nd	15.4*NatFreq*Depth/Vzm	10.43	
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))	0.6093	
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))	0.2525	
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))	0.0913	
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.6974	
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19	
Gust3	0.925*((1+1.7*Izm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*Izm))	1.07	

Gust Factor Summary			
Main Wind-force resisting system:		**Components and Cladding:**	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.87	Gust Factor (G)	0.87

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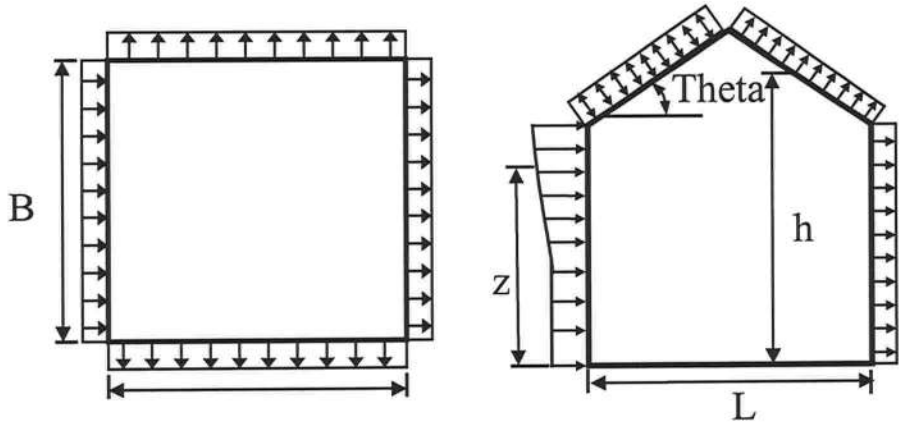
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev.	Kz	Kzt	Kd	qz	Pressure (lb/ft^2)	
					Windward Wall*	
ft			1.00	lb/ft^2	+GCpi	-GCpi
17.68	0.70	1.00	1.00	21.70	11.83	18.23
15	0.70	1.00	1.00	21.70	11.83	18.23

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.57	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*ImpFac*Kh*Kht*Kd	17.80	psf

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

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

Description	Cp	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 52 ft wall)	-0.50	-10.91	-4.50
Leeward Walls (Wind Dir Parallel to 48 ft wall)	-0.48	-10.65	-4.24
Side Walls	-0.70	-13.99	-7.58
Roof - Normal to Ridge (Theta>=10)			
Windward - Max Negative	-0.21	-6.39	0.02
Windward - Max Positive	0.29	1.27	7.68
Leeward Normal to Ridge	-0.60	-12.45	-6.04
Overhang Top	-0.21	-3.19	-3.19
Overhang Bottom	0.80	0.69	0.69
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 6.59 ft	-0.90	-17.08	-10.67
Dist from Windward Edge: 6.59 ft to 13.18 ft	-0.90	-17.08	-10.67
Dist from Windward Edge: 13.18 ft to 26.36 ft	-0.50	-10.91	-4.50

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Dist from Windward Edge: > 26.36 ft	-0.30	-7.83	-1.42

* Horizontal distance from windward edge

Figure 6-4 - External Pressure Coefficients, GCpf

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

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.80

Case A						
Surface	**GCpf**	**+GCpi**	**-GCpi**	**qh (psf)**	**Min P (psf)**	**Max P (psf)**
1	0.55	0.18	-0.18	21.70	8.03	15.84
2	-0.10	0.18	-0.18	21.70	-5.99	1.82
3	-0.45	0.18	-0.18	21.70	-13.61	-5.79
4	-0.39	0.18	-0.18	21.70	-12.38	-4.57
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.73	0.18	-0.18	21.70	11.88	19.69
2E	-0.19	0.18	-0.18	21.70	-7.93	-0.12
3E	-0.58	0.18	-0.18	21.70	-16.59	-8.78
4E	-0.53	0.18	-0.18	21.70	-15.50	-7.69
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

* p = qh * (GCpf - GCpi)

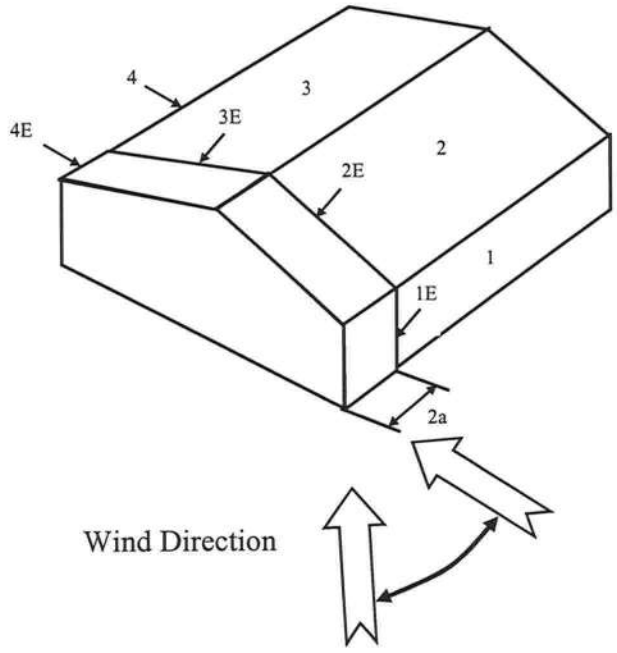

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Figure 6-4 - External Pressure Coefficients, GCpf

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

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.80

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

* p = qh * (GCpf - GCpi)

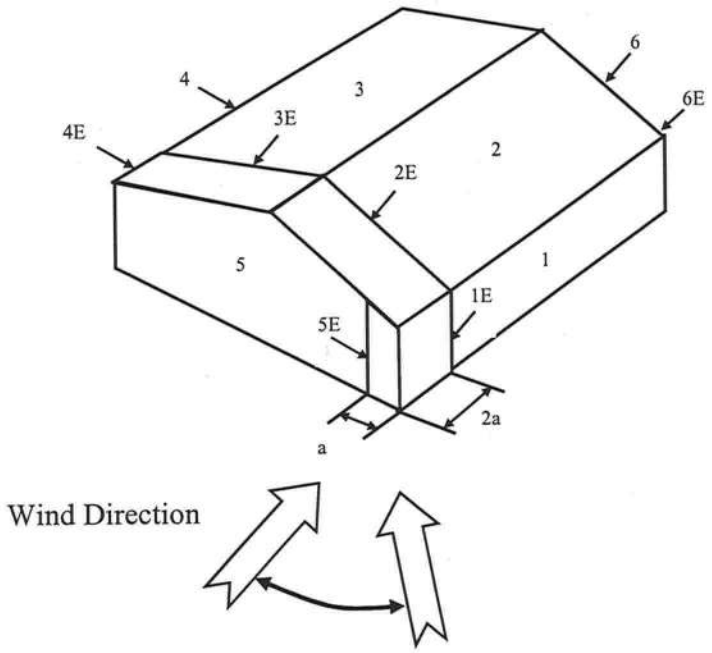

Figure 6-5 - External Pressure Coefficients, GCp

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

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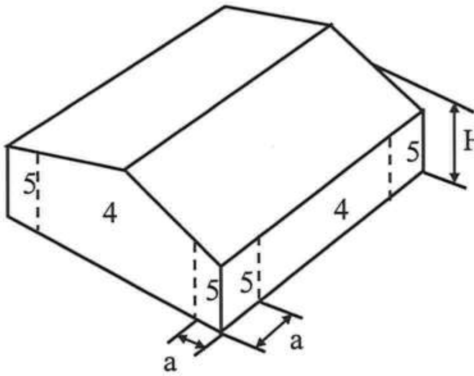

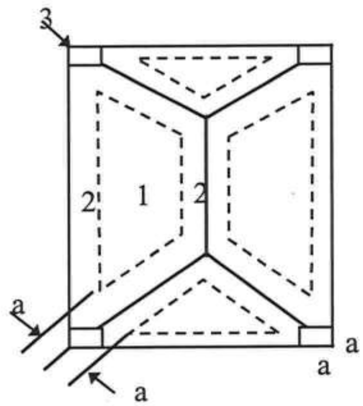

Hipped Roof
10 < Theta <= 30

a = 4.8 ==> 4.80 ft

Component	Width (ft)	Length (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
	16	7	112.00	5	0.81	-1.03	17.71	-21.53
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
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	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					

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

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi	
	Max +	Max -

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Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

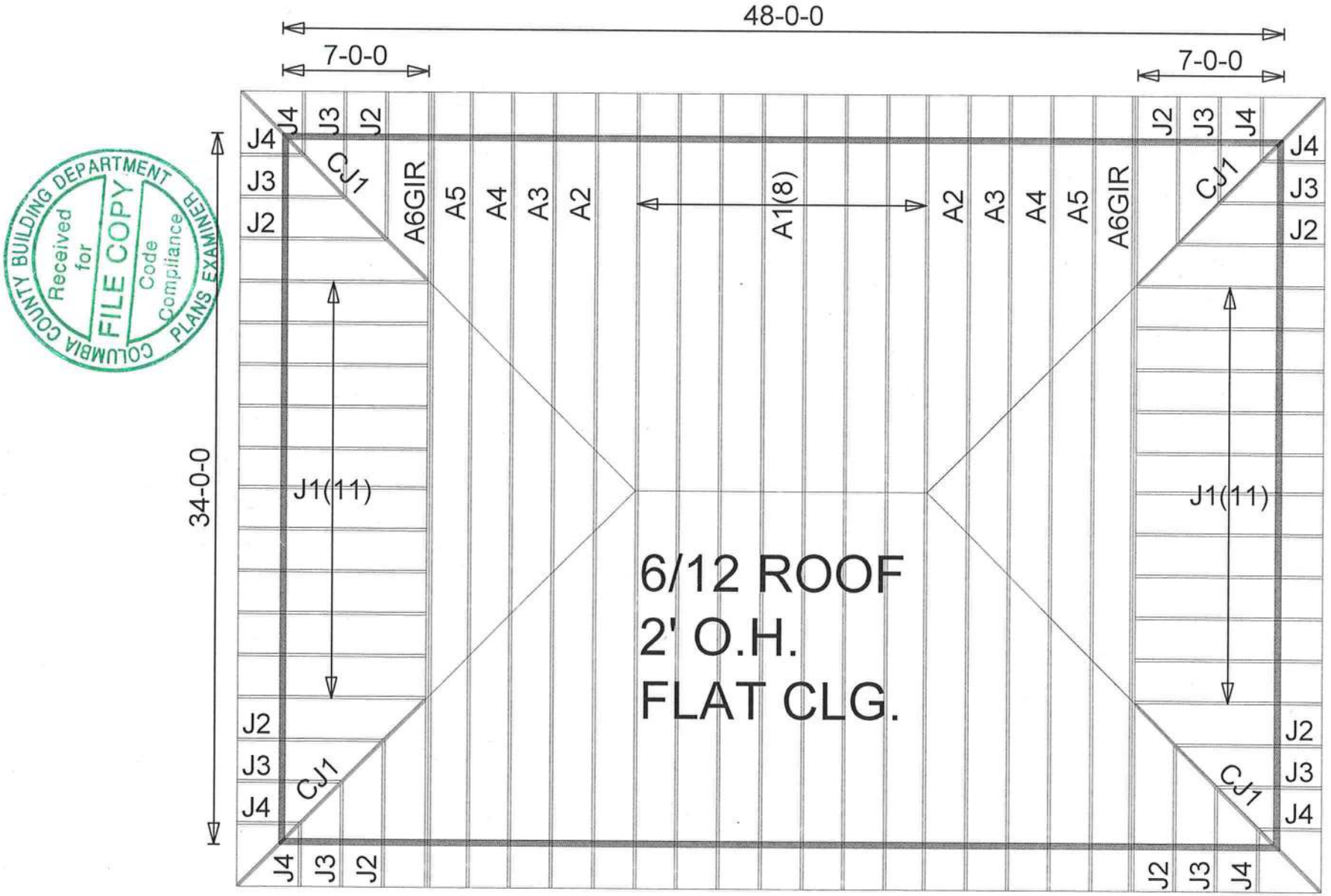
Table 6-8 External Pressure Coefficients for Arched Roofs, Cp

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	Cp		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	Cp	0.13	-1	-0.5
	P (+GCpi) - psf	-1.28	-18.62	-10.91
	P (-GCpi) -psf	5.13	-12.21	-4.50
Roof Springing from Ground	Cp	0.42	-1	-0.5
	P (+GCpi) - psf	3.27	-18.62	-10.91
	P (-GCpi) -psf	3.27	-18.62	-10.91

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

Variable	Description	Value	
L	Roof dimension normal to wind direction	48.00	ft
B	Roof dimension parallel to wind direction	52.00	ft
L/B	Ratio of L to B	0.923	
Theta	Slope of Roof	26.6	Deg
Cf	Force Coefficient	1.19	
X	Distance to center of pressure from windward edge	0.42	ft



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

CHRIS ENGLISH

HIGH SPRINGS

120 MPH ASCE WIND LOAD

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

Account: INDIVIDUAL
Job: ENGLISH-CHRIS
Designer: C. LITTLE
Checker:
Date: 04-26-11

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: ENGLISH-CHRIS -

MiTek Industries, Inc.
6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:

Customer Info: CHRIS ENGLISH Project Name: CHRIS ENGLISH Model:
Lot/Block: . Subdivision: .
Address: .
City: HIGH SPRINGS 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 11 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
1	T4062221	A1	4/26/011
2	T4062222	A2	4/26/011
3	T4062223	A3	4/26/011
4	T4062224	A4	4/26/011
5	T4062225	A5	4/26/011
6	T4062226	J4	4/26/011
7	T4062227	J3	4/26/011
8	T4062228	J2	4/26/011
9	T4062229	CJ1	4/26/011
10	T4062230	J1	4/26/011
11	T4062231	A6GIR	4/26/011

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: Albani, Thomas
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.

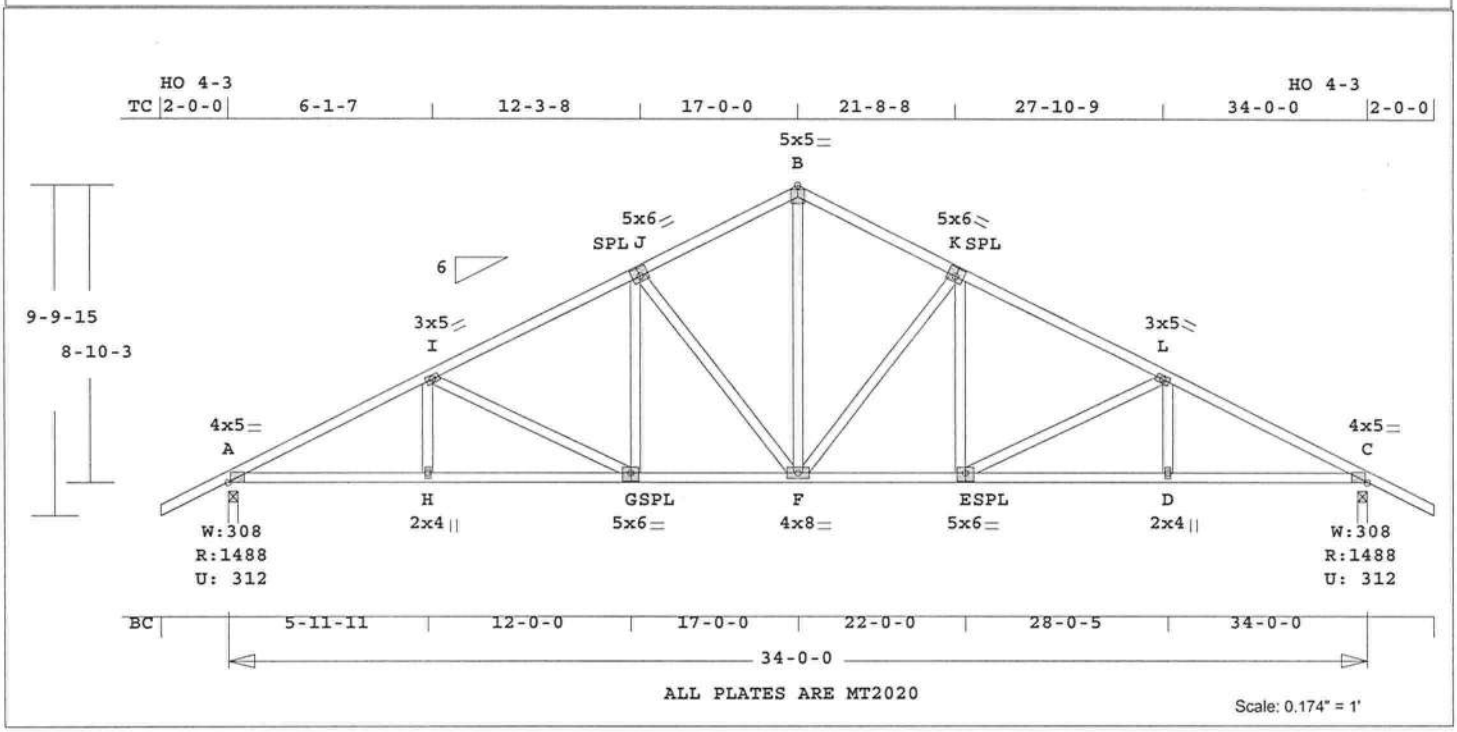
FL Cert. 6634

April 26,2011

Albani, Thomas

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	A1	8	TR	340000	6	2- 0- 0	2- 0- 0	T4062221

CHRIS ENGLISH



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 246.0 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.46	2x 4	SP-#2
WB	0.77	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	34- 0- 0
BC	Cont.	0- 0- 0	34- 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	1488	312 U	212 R
C	1488	312 U	212 R

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

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

Membr	CSI	P Lbs	Axl	CSI-Bnd	
Top Chords					
A -I	0.49	2460	C	0.19	0.30
I -J	0.46	1941	C	0.16	0.30
J -B	0.44	1509	C	0.14	0.30
B -K	0.44	1509	C	0.14	0.30
K -L	0.46	1941	C	0.16	0.30
L -C	0.49	2460	C	0.19	0.30
Bottom Chords					
A -H	0.44	2202	T	0.36	0.08
H -G	0.46	2202	T	0.36	0.10
G -F	0.39	1736	T	0.29	0.10
F -E	0.39	1736	T	0.29	0.10
E -D	0.46	2202	T	0.36	0.10
D -C	0.44	2202	T	0.36	0.08

Webs			
H -I	0.03	233	T
I -G	0.36	518	C
G -J	0.07	403	T
J -F	0.58	636	C
F -B	0.77	1085	T
F -K	0.58	636	C
E -K	0.07	403	T
E -L	0.36	518	C
D -L	0.03	233	T

TL Defl -0.29" in H -G L/999
LL Defl -0.11" in G -F L/999
Shear // Grain in A -I 0.23

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.78
I	MT20	3.0x 5.0	Ctr	Ctr	0.36
J	MT20	5.0x 6.0	-0.2	0.5	0.43
B	MT20	5.0x 5.0	Ctr	Ctr	0.40
K	MT20	5.0x 6.0	0.2	0.5	0.43
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	0.51
F	MT20	4.0x 8.0	Ctr	Ctr	0.41
E	MT20	5.0x 6.0	Ctr	-0.5	0.51
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.

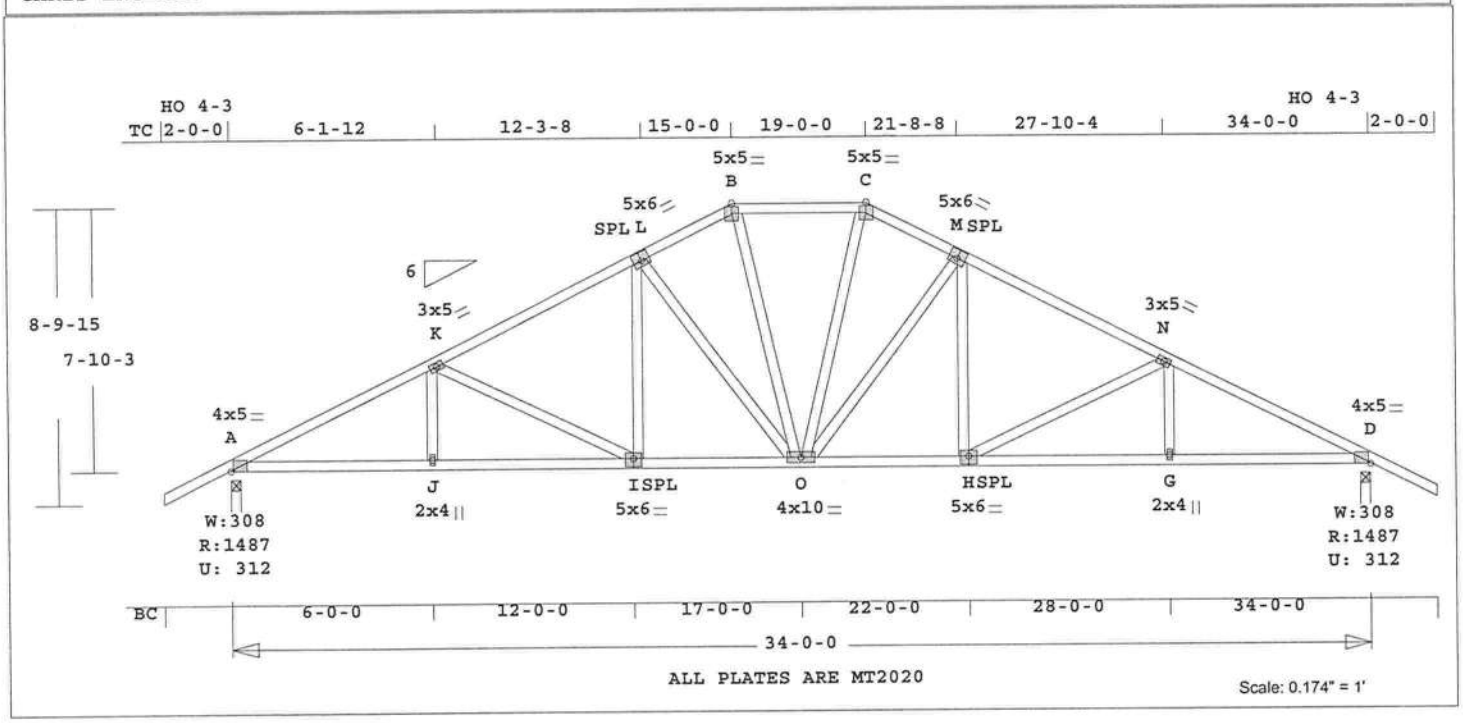
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf 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 2460 Lbs
Max tens. force 2202 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

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	A2	2	HIPP	340000	6	2- 0- 0	2- 0- 0	T4062222

CHRIS ENGLISH



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 257.6 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.46	2x 4	SP-#2
WB	0.52	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	34- 0- 0
BC	Cont.	0- 0- 0	34- 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	1488	312 U	187 R
D	1488	312 U	187 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -K	0.49	2460 C	0.18	0.31
K -L	0.46	1938 C	0.15	0.31
L -B	0.36	1542 C	0.14	0.22
B -C	0.21	1494 C	0.14	0.07
C -M	0.36	1542 C	0.14	0.22
M -N	0.46	1938 C	0.15	0.31
N -D	0.49	2460 C	0.18	0.31
Bottom Chords				
A -J	0.44	2203 T	0.36	0.08
J -I	0.46	2203 T	0.36	0.10
I -O	0.39	1731 T	0.29	0.10
O -H	0.39	1731 T	0.29	0.10
H -G	0.46	2203 T	0.36	0.10
G -D	0.44	2203 T	0.36	0.08
Webs				
J -K	0.03	233 T		
K -I	0.37	526 C		
I -L	0.07	404 T		
L -O	0.52	581 C		
B -O	0.33	514 T		
O -C	0.33	514 T		
O -M	0.52	581 C		
H -M	0.07	404 T		
H -N	0.37	526 C		
G -N	0.03	233 T		

TL Defl -0.29" in J -I L/999
LL Defl -0.11" in I -O L/999
Shear // Grain in A -K 0.23

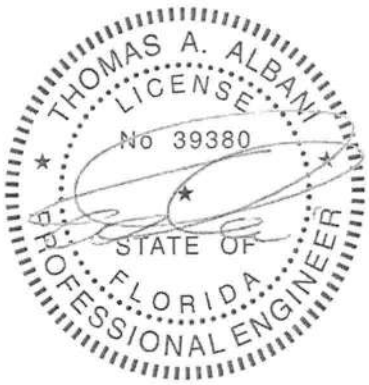
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.78
K	MT20	3.0x 5.0	Ctr	Ctr	0.36
L	MT20	5.0x 6.0	-0.2	0.5	0.43
B	MT20	5.0x 5.0	Ctr	-0.2	0.51
C	MT20	5.0x 5.0	Ctr	-0.2	0.51
M	MT20	5.0x 6.0	0.2	0.5	0.43
N	MT20	3.0x 5.0	Ctr	Ctr	0.36
D	MT20	4.0x 5.0	Ctr	0.1	0.78
J	MT20	2.0x 4.0	Ctr	Ctr	0.34
I	MT20	5.0x 6.0	Ctr	-0.5	0.51
O	MT20	4.0x10.0	Ctr	Ctr	0.47
H	MT20	5.0x 6.0	Ctr	-0.5	0.51
G	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 2460 Lbs
Max tens. force 2203 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.

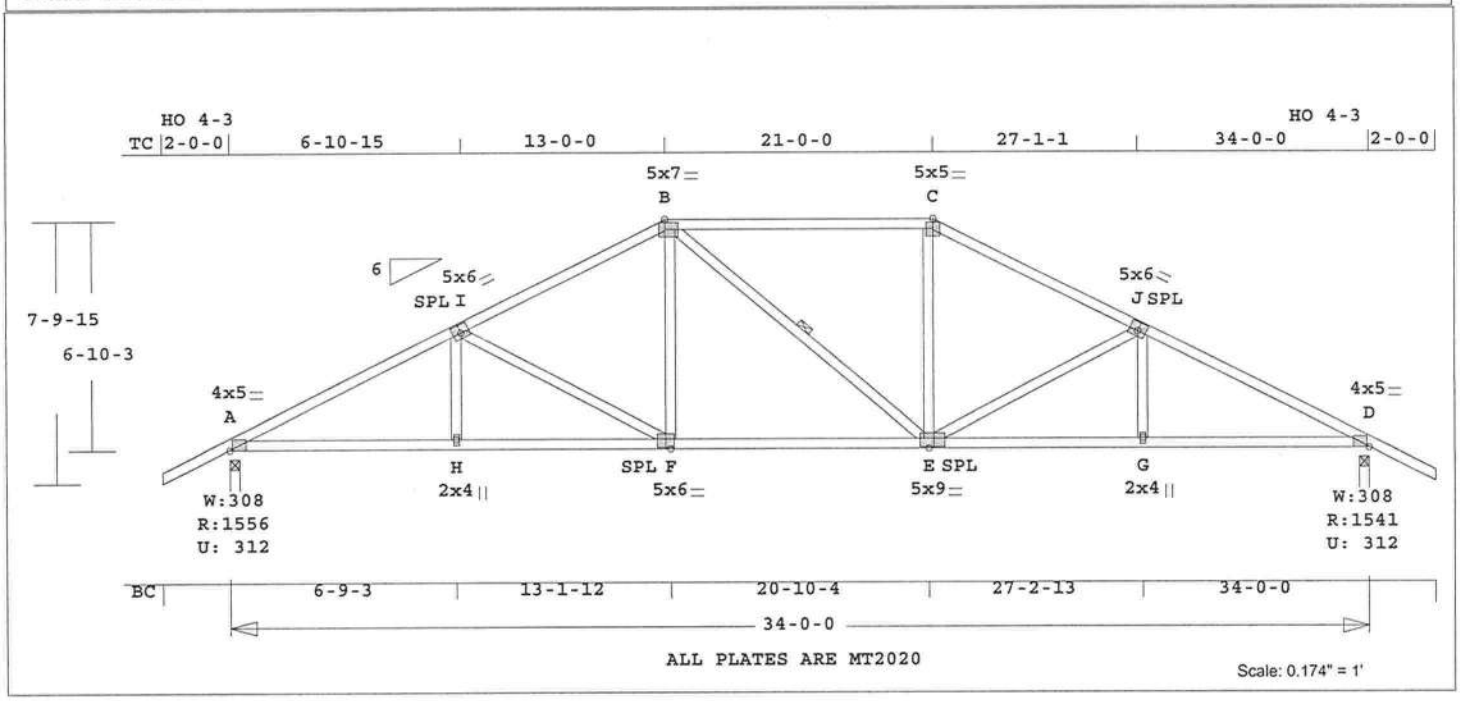


FL Cert. 6634

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	A3	2	HIPP	340000	6	2- 0- 0	2- 0- 0	T4062223

CHRIS ENGLISH



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 223.2 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	-Size-	----Lumber----
TC	0.73	2x 4	SP-#2
BC	0.65	2x 4	SP-#2
WB	0.41	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	34- 0- 0
BC	Cont.	0- 0- 0	34- 0- 0

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

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1557	312 U	162 R
D	1541	312 U	162 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -I	0.55	2548 C	0.18 0.37
I -B	0.51	2035 C	0.14 0.37
B -C	0.73	1788 C	0.06 0.67
C -J	0.51	1996 C	0.14 0.37
J -D	0.55	2517 C	0.18 0.37
Bottom Chords			
A -H	0.50	2280 T	0.38 0.12
H -F	0.65	2280 T	0.38 0.27
F -E	0.57	1817 T	0.30 0.27
E -G	0.61	2253 T	0.37 0.24
G -D	0.49	2253 T	0.37 0.12
Webs			
H -I	0.03	249 T	
I -F	0.40	516 C	
F -B	0.09	500 T	
B -E	0.04	127 T	1 Br
E -C	0.11	476 T	
E -J	0.41	527 C	
G -J	0.03	247 T	

TL Defl -0.42" in F -E L/953
LL Defl -0.20" in F -E L/999
Shear // Grain in B -C 0.29

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.80
I	MT20	5.0x 6.0	-0.2	0.5	0.43
B	MT20	5.0x 7.0	-0.5	-0.1	0.49
C	MT20	5.0x 5.0	Ctr	-0.2	0.51
J	MT20	5.0x 6.0	0.2	0.5	0.43
D	MT20	4.0x 5.0	Ctr	0.1	0.79
H	MT20	2.0x 4.0	Ctr	Ctr	0.34
F	MT20	5.0x 6.0	Ctr	-0.5	0.52
E	MT20	5.0x 9.0	-0.5	-0.5	0.46
G	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.

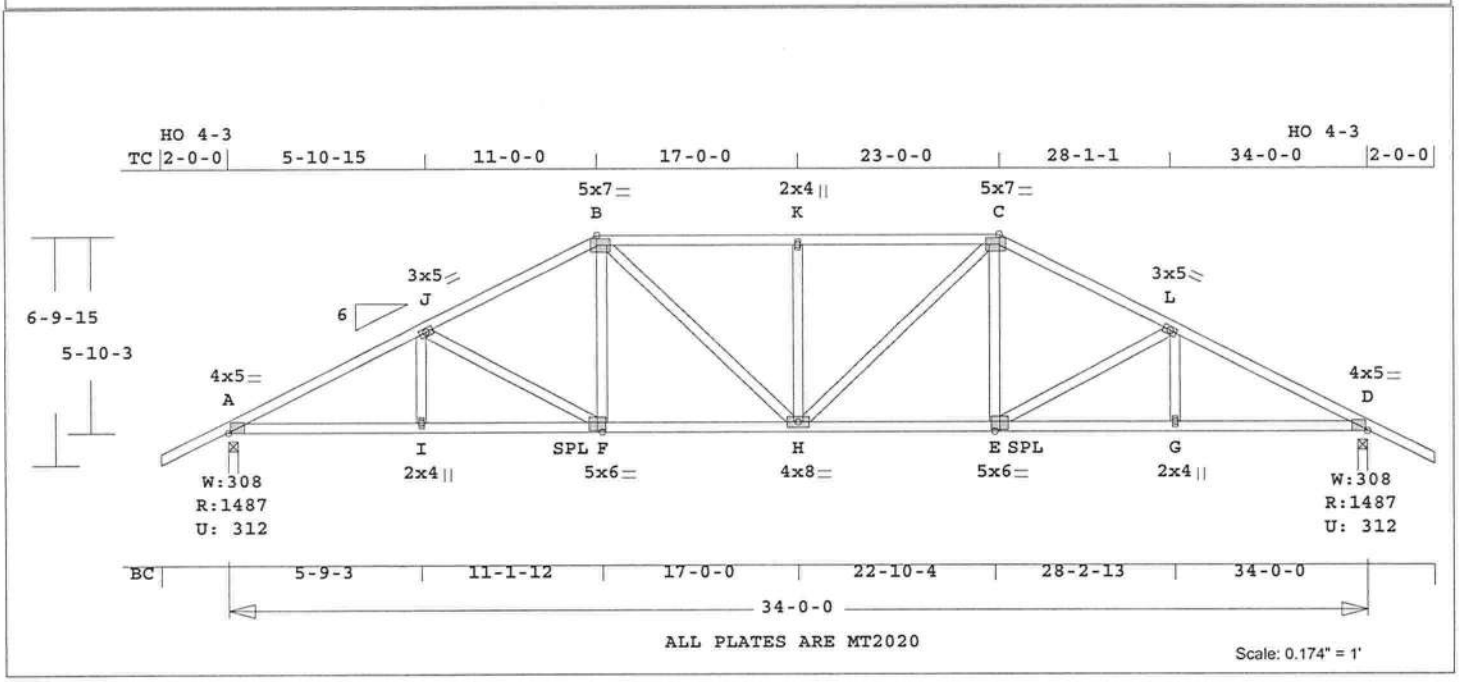
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf 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 2548 Lbs
Max tens. force 2280 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

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	A4	2	HIPP	340000	6	2- 0- 0	2- 0- 0	T4062224

CHRIS ENGLISH



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 233.0 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	-Size-	----Lumber----
TC	0.44	2x 4	SP-#2
BC	0.45	2x 4	SP-#2
WB	0.24	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	34- 0- 0
BC	Cont.	0- 0- 0	34- 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	1488	312 U	136 R
D	1488	312 U	137 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -J	0.44	2456 C	0.18 0.26
J -B	0.41	2029 C	0.15 0.26
B -K	0.40	2088 C	0.02 0.38
K -C	0.40	2088 C	0.02 0.38
C -L	0.41	2029 C	0.15 0.26
L -D	0.44	2456 C	0.18 0.26
--------Bottom Chords---------			
A -I	0.43	2194 T	0.36 0.07
I -F	0.45	2194 T	0.36 0.09
F -H	0.39	1811 T	0.30 0.09
H -E	0.39	1811 T	0.30 0.09
E -G	0.45	2194 T	0.36 0.09
G -D	0.43	2194 T	0.36 0.07
------------Webs------------			
I -J	0.03	204 T	
J -F	0.24	429 C	
F -B	0.06	379 T	
B -H	0.21	379 T	
H -K	0.18	401 C	
H -C	0.21	379 T	
E -C	0.06	379 T	
E -L	0.24	429 C	
G -L	0.03	204 T	

TL Defl -0.32" in F -H L/999
LL Defl -0.12" in F -H L/999
Shear // Grain in B -K 0.26

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.78
J	MT20	3.0x 5.0	Ctr	Ctr	0.36
B	MT20	5.0x 7.0	-0.5	-0.1	0.49
K	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 7.0	0.5	-0.1	0.49
L	MT20	3.0x 5.0	Ctr	Ctr	0.36
D	MT20	4.0x 5.0	Ctr	0.1	0.78
I	MT20	2.0x 4.0	Ctr	Ctr	0.34
F	MT20	5.0x 6.0	Ctr	-0.5	0.50
H	MT20	4.0x 8.0	Ctr	Ctr	0.24
E	MT20	5.0x 6.0	Ctr	-0.5	0.50
G	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.

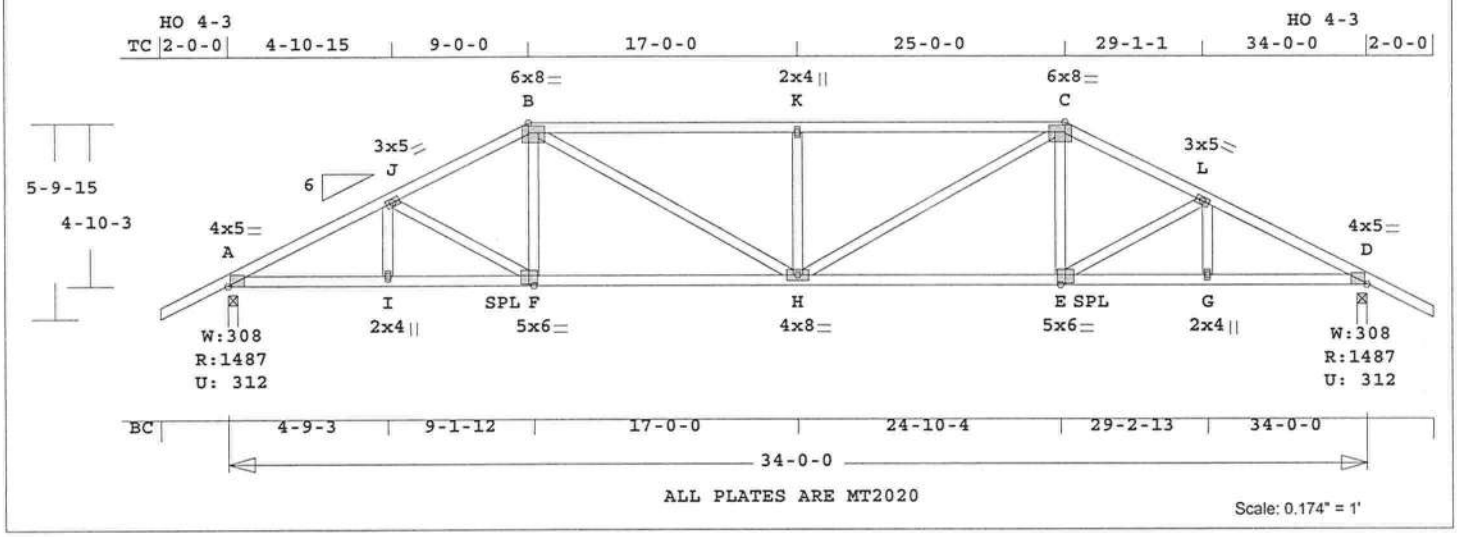
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf 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 2456 Lbs
Max tens. force 2194 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

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	A5	2	HIPP	340000	6	2- 0- 0	2- 0- 0	T4062225

CHRIS ENGLISH



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 224.2 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	Size	Lumber
TC	0.73	2x 4	SP-#2
BC	0.55	2x 4	SP-#2
WB	0.46	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	34- 0- 0
BC	Cont.	0- 0- 0	34- 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	1488	312 U	111 R
D	1488	312 U	111 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -J	0.32	2481 C	0.17	0.15
J -B	0.31	2203 C	0.16	0.15
B -K	0.73	2595 C	0.04	0.69
K -C	0.73	2595 C	0.04	0.69
C -L	0.31	2202 C	0.16	0.15
L -D	0.32	2481 C	0.18	0.14
Bottom Chords				
A -I	0.46	2209 T	0.37	0.09
I -F	0.50	2209 T	0.37	0.13
F -H	0.55	1977 T	0.20	0.35
H -E	0.55	1977 T	0.20	0.35
E -G	0.50	2209 T	0.37	0.13
G -D	0.46	2209 T	0.37	0.09
Webs				
I -J	0.01	124 T		
J -F	0.09	289 T		
F -B	0.05	353 T		
B -H	0.46	710 T		
H -K	0.17	535 C		
H -C	0.46	710 T		
E -C	0.05	353 T		
E -L	0.09	289 T		
G -L	0.01	124 T		

TL Defl -0.41" in F -H L/979
LL Defl -0.15" in F -H L/999
Shear // Grain in B -K 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 5.0	Ctr	0.1	0.78
J	MT20	3.0x 5.0	Ctr	Ctr	0.36
B	MT20	6.0x 8.0	Ctr	-0.6	0.49
K	MT20	2.0x 4.0	Ctr	Ctr	0.37
C	MT20	6.0x 8.0	Ctr	-0.6	0.49
L	MT20	3.0x 5.0	Ctr	Ctr	0.36
D	MT20	4.0x 5.0	Ctr	0.1	0.78
I	MT20	2.0x 4.0	Ctr	Ctr	0.34
F	MT20	5.0x 6.0	Ctr	-0.5	0.51
H	MT20	4.0x 8.0	Ctr	Ctr	0.35
E	MT20	5.0x 6.0	Ctr	-0.5	0.51
G	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.

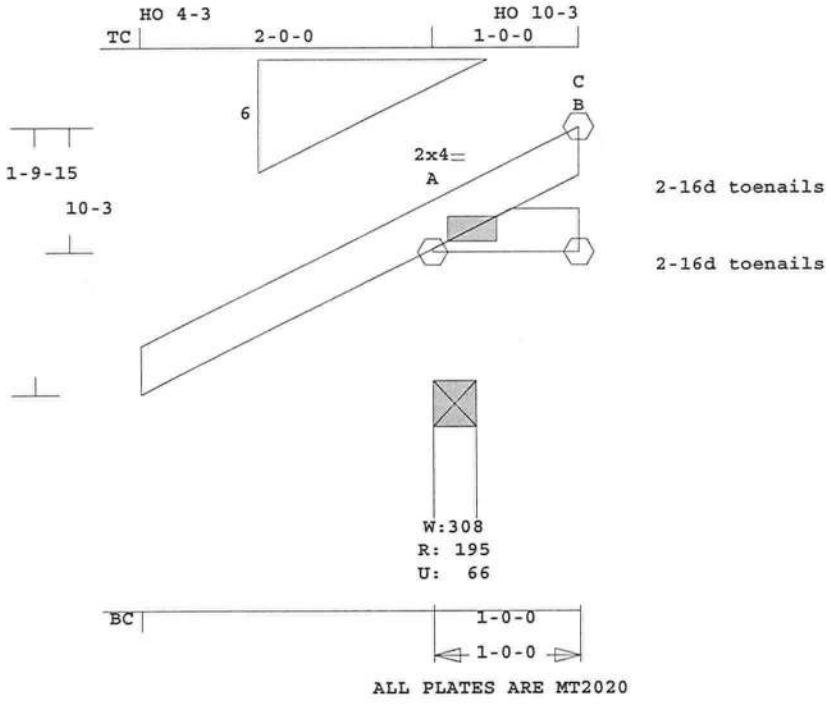
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf 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 2595 Lbs
Max tens. force 2209 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

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	J4	8	JCA2	10000	6	2- 0- 0	0	T4062226

CHRIS ENGLISH



ALL PLATES ARE MT2020

Scale: 0.758" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 8.5 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-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	67 U	17 R
B	12	11 U	
C	12		11 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.00	17 C	
--------Bottom Chords---------			
A -C	0.00	11 T	

TL Defl 0.00" in F -H L/999
LL Defl 0.00" in F -H L/999
Shear // Grain in A -B 0.04

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

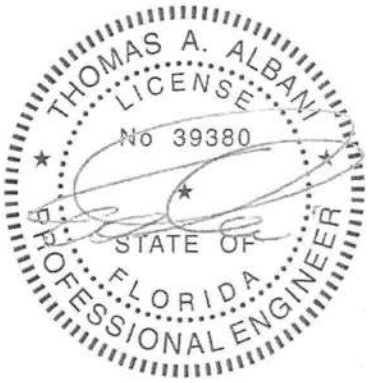
Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.65

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 17 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.

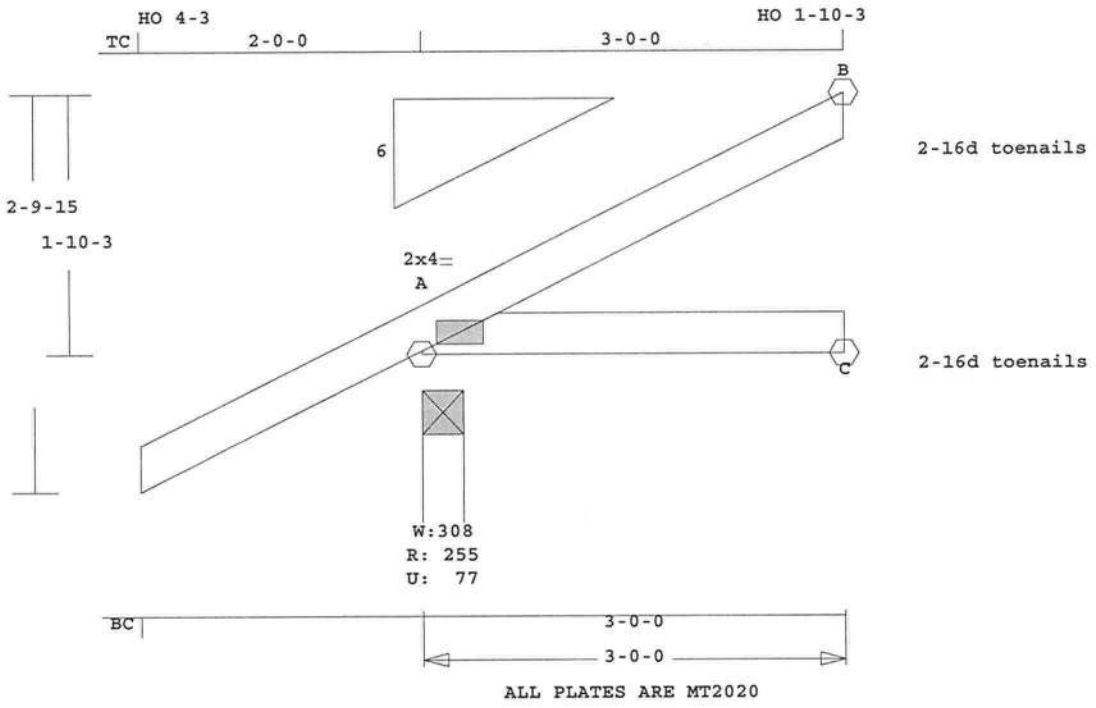


FL Cert. 6634

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	J3	8	JCA2	30000	6	2- 0- 0	0	T4062227

CHRIS ENGLISH



ALL PLATES ARE MT2020

Scale: 0.731" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 16.5 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	Size	Lumber
TC	0.13	2x 4	SP-#2
BC	0.10	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	77 U	53 R
C	55		
B	77	44 U	36 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	0.13	94 C	0.00 0.13
Bottom Chords			
A -C	0.10	0 T	0.00 0.10

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 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	2.0x 4.0	Ctr	Ctr	0.65

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

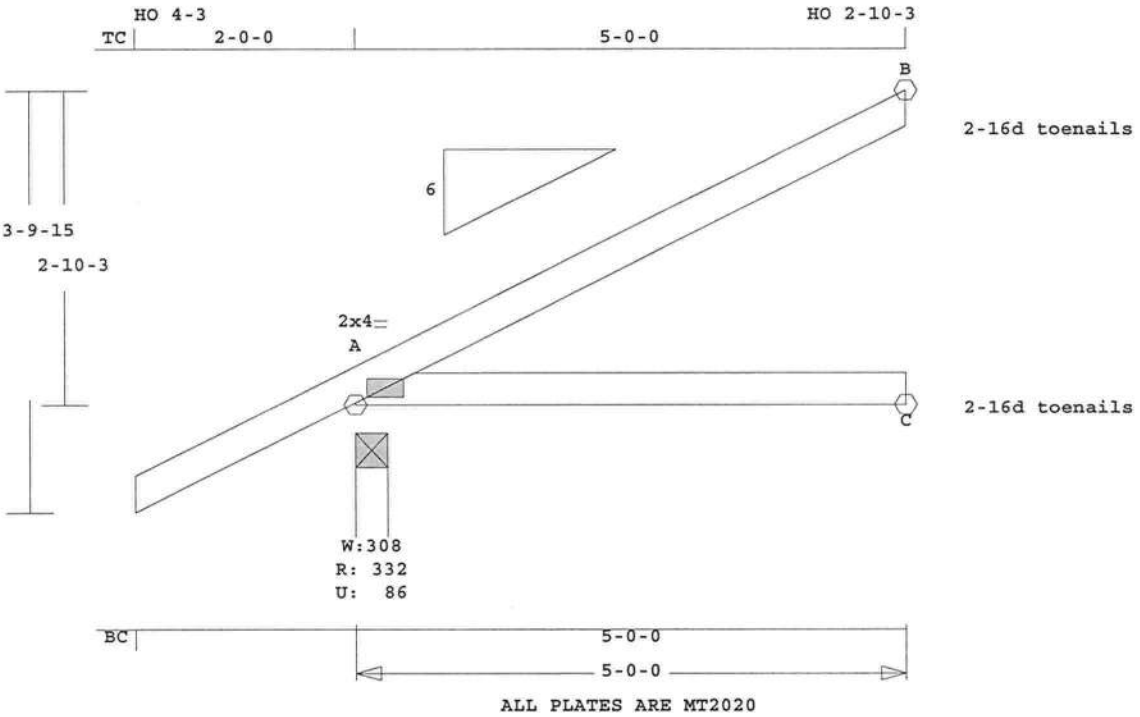
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf 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 94 Lbs
Max tens. force 24 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

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	J2	8	JCA2	50000	6	2- 0- 0	0	T4062228

CHRIS ENGLISH



Scale: 0.572" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 24.5 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	Size	Lumber
TC	0.40	2x 4	SP-#2
BC	0.31	2x 4	SP-#2

Brace truss as follows:

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	333	87 U	90 R
C	94		
B	133	74 U	61 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	0.40	154 C	0.00 0.40
Bottom Chords			
A -C	0.31	0 T	0.00 0.31

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.27

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.65

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

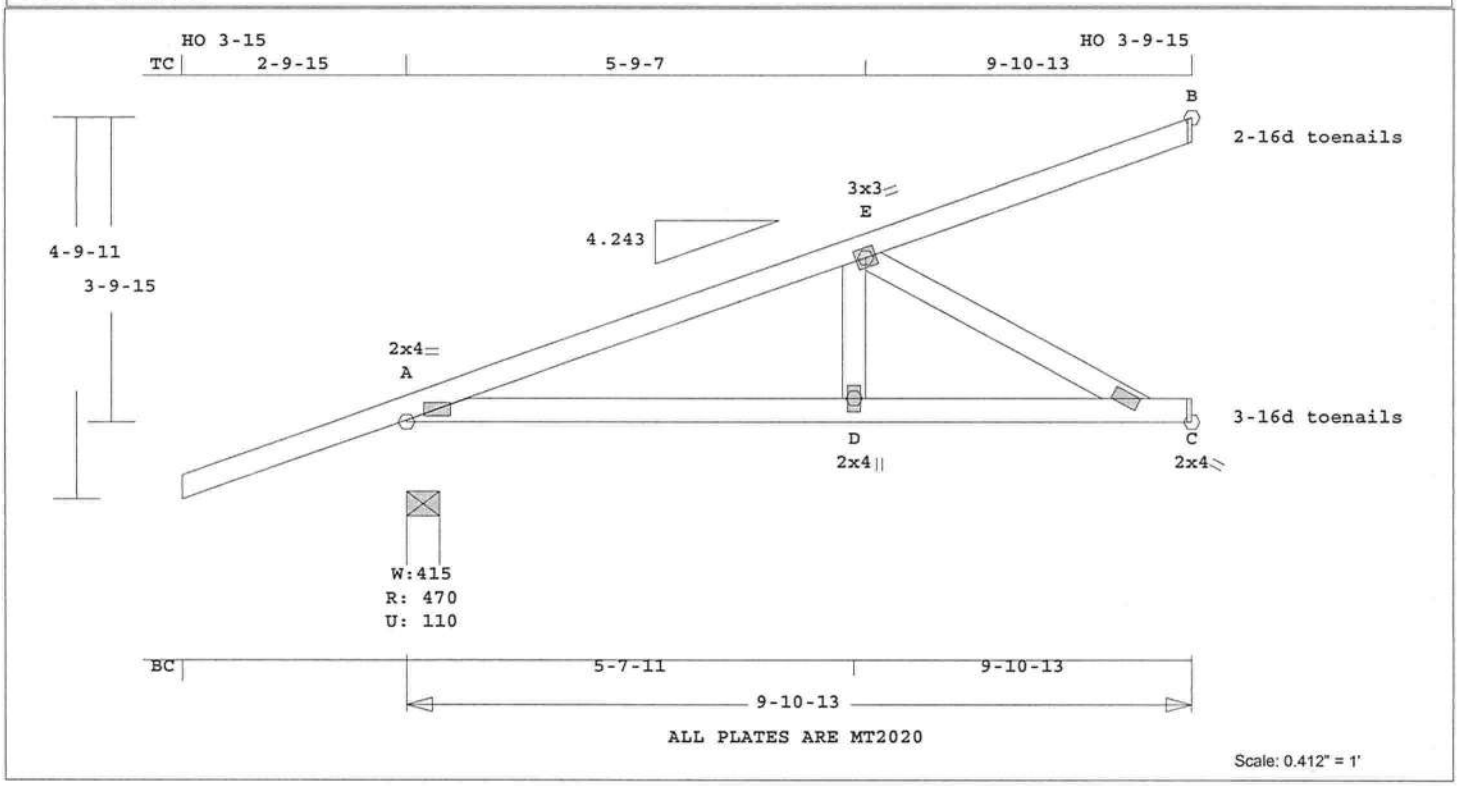
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf 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 154 Lbs
Max tens. force 39 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

April 26,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ENGLISH-CHRIS	CJ1	4	MONO.DD	91013	4.243	2- 9-15	0	T4062229

CHRIS ENGLISH



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 55.3 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	-Size-	----Lumber----
TC	0.43	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.19	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9- 7- 5
BC	Cont.	0- 0- 0	9- 7- 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	471	110 U	135 R
C	354	44 U	
B	207	105 U	92 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'	9.9'
BC V	20	0	0.0'	9.9'
TC V	-20	-40	0.0'	
	22	45		9.9'
BC V	-20	0	0.0'	
	22	0		9.9'

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -E	0.35	607 C	0.03 0.32
E -B	0.43	129 C	0.00 0.43
--------Bottom Chords---------			
A -D	0.24	587 T	0.06 0.18
D -C	0.39	587 T	0.10 0.29
C -C	0.29	0 T	0.00 0.29
------------Webs------------			
D -E	0.04	278 T	
E -C	0.19	669 C	

TL Defl -0.07" in D -C L/999
LL Defl -0.03" in D -C L/999
Shear // Grain in C -C 0.45

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	0.72
E	MT20	3.0x 3.0	Ctr	Ctr	0.45
D	MT20	2.0x 4.0	Ctr	Ctr	0.25
C	MT20	2.0x 4.0	Ctr	Ctr	0.43

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 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

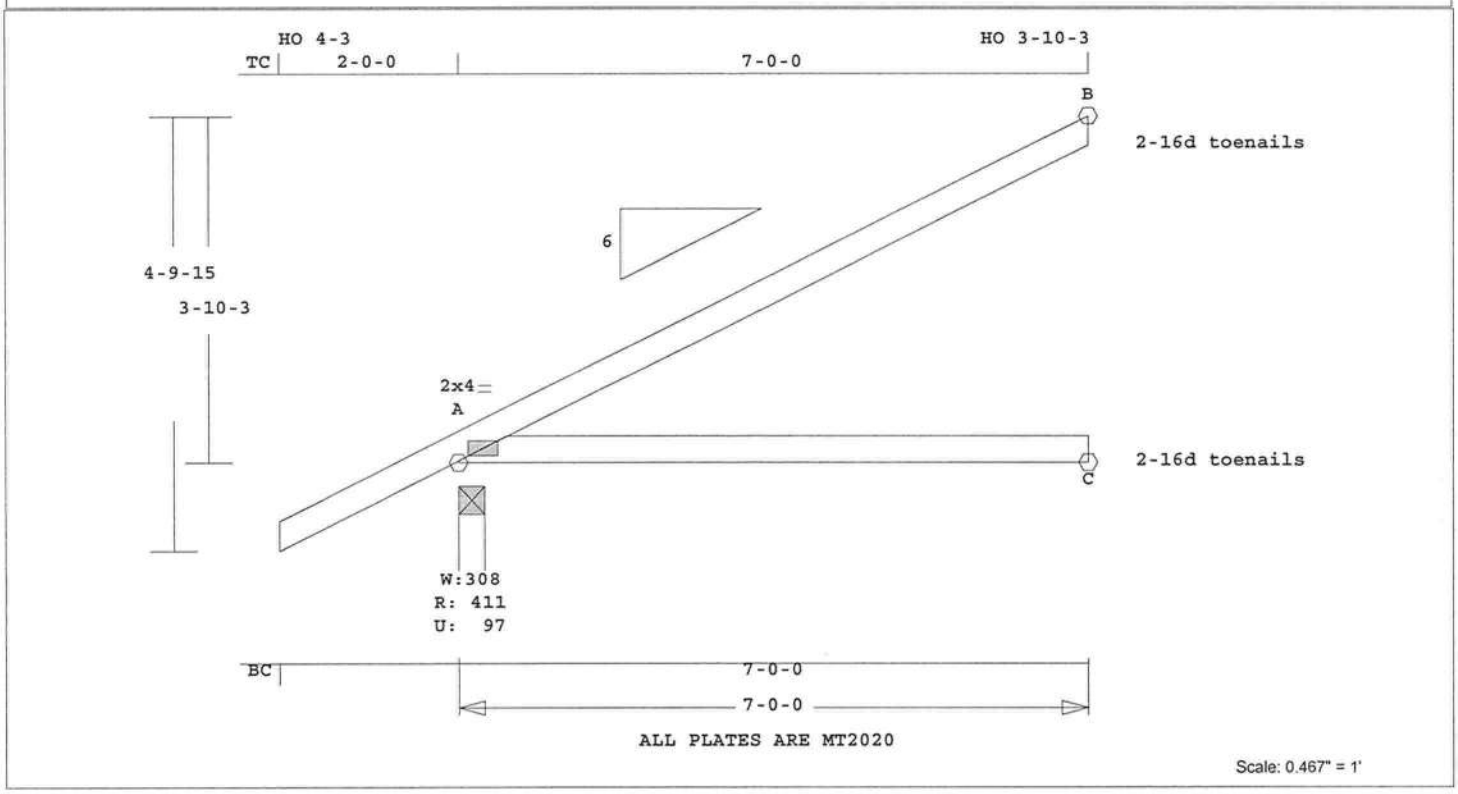
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 669 Lbs
Max tens. force 591 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

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	J1	22	JCA2	70000	6	2- 0- 0	0	T4062230

CHRIS ENGLISH



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 32.5 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11

	CSI	-Size-	----Lumber----
TC	0.67	2x 4	SP-#2
BC	0.51	2x 4	SP-#2

Brace truss as follows:

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	411	97 U	126 R
C	132		
B	188	104 U	86 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	0.67	190 C	0.00 0.67
--------Bottom Chords---------			
A -C	0.51	0 T	0.00 0.51

TL Defl -0.19" in A -C L/412
LL Defl -0.07" in A -C L/999
Shear // Grain in A -B 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	2.0x 4.0	Ctr	Ctr	0.65

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

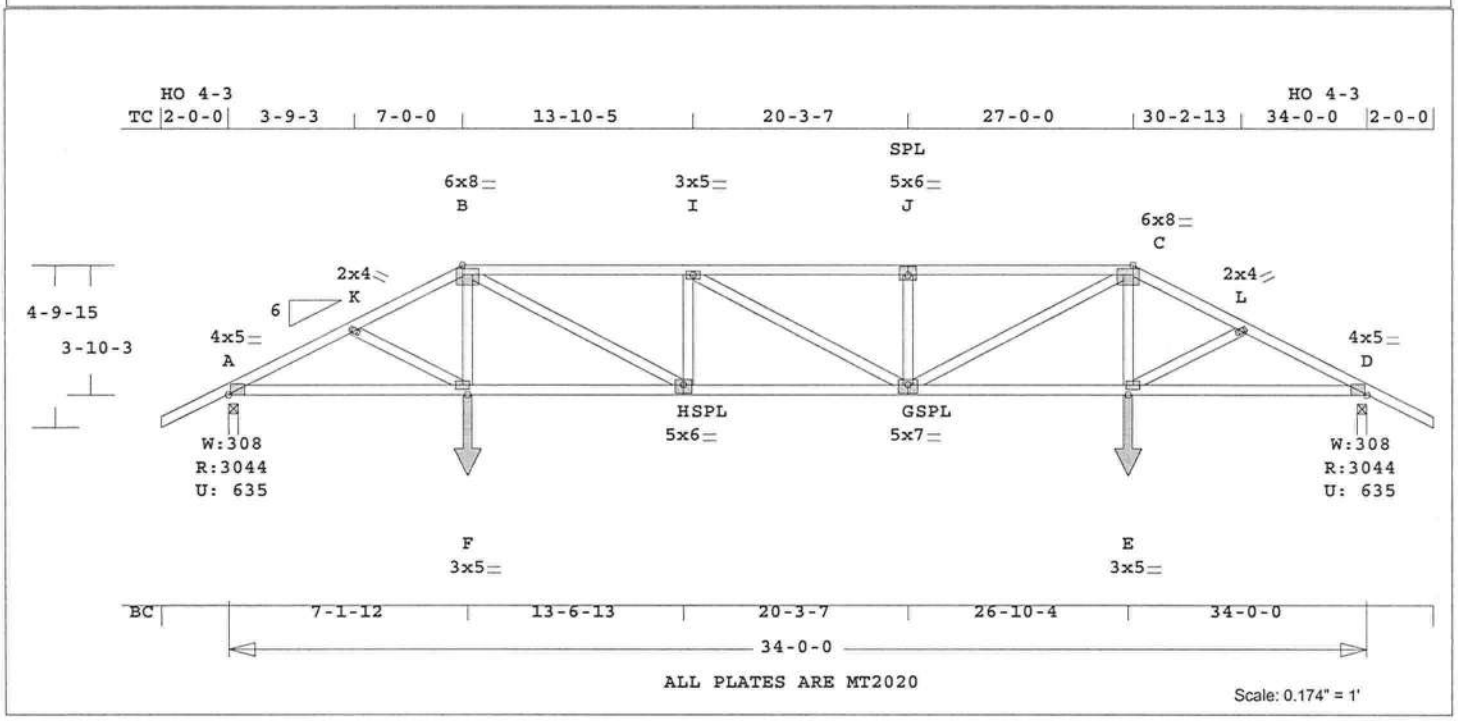
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf 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 190 Lbs
Max tens. force 55 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

April 26,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ENGLISH-CHRIS	A6GIR	2*2P	HIPP	340000	6	2- 0- 0	2- 0- 0	T4062231

CHRIS ENGLISH



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 219.4 LBS

Online Plus -- Version 28.0.007
RUN DATE: 26-APR-11
****
* 2-Ply Truss *
****

	CSI	Size	Lumber
TC	0.76	2x 4	SP-#2
BC	0.84	2x 4	SP-#2
WB	0.25	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	34- 0- 0
BC	Cont.	0- 0- 0	34- 0- 0

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

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	3044	636 U	86 R
D	3044	635 U	86 R

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

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

plf - Dead	Live*	From	To
TC V 20	40	0.0'	34.0'
BC V 20	0	0.0'	34.0'
TC V 25	50	7.0'	27.0'
BC V 25	0	7.1'	26.9'
BC V 280	280	7.1'	CL-LB
BC V 280	280	26.9'	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 -K	0.37	5738 C	0.23 0.14
K -B	0.39	5739 C	0.23 0.16
B -I	0.76	7520 C	0.22 0.54
I -J	0.64	7519 C	0.29 0.35
J -C	0.76	7519 C	0.22 0.54
C -L	0.39	5739 C	0.23 0.16
L -D	0.37	5738 C	0.23 0.14
Bottom Chords			
A -F	0.57	5062 T	0.46 0.11
F -H	0.62	5171 T	0.47 0.15
H -G	0.84	7519 T	0.69 0.15
G -E	0.62	5171 T	0.47 0.15
E -D	0.57	5062 T	0.46 0.11

Webs

K -F	0.01	165 T
F -B	0.06	762 T
B -H	0.25	2652 T
H -I	0.05	923 C
I -G	0.00	46 C
G -J	0.05	922 C
G -C	0.25	2651 T
E -C	0.06	762 T
E -L	0.01	166 T

TL Defl -0.63" in H -G L/639
LL Defl -0.24" in H -G L/999
Shear // Grain in B -I 0.31

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.92
K	MT20	2.0x 4.0	Ctr	Ctr	0.14
B	MT20	6.0x 8.0	Ctr	-0.6	0.53
I	MT20	3.0x 5.0	Ctr	Ctr	0.22
J	MT20	5.0x 6.0	Ctr	0.5	0.45
C	MT20	6.0x 8.0	Ctr	-0.6	0.53
L	MT20	2.0x 4.0	Ctr	Ctr	0.14
D	MT20	4.0x 5.0	Ctr	0.1	0.92
F	MT20	3.0x 5.0	Ctr	Ctr	0.24
H	MT20	5.0x 6.0	Ctr	-0.5	0.86
G	MT20	5.0x 7.0	Ctr	-0.5	0.83
E	MT20	3.0x 5.0	Ctr	Ctr	0.24

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 7- 0- 0
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

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

Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
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 7520 Lbs
Max tens. force 7519 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

April 26,2011

ONLINE PLUS GENERAL NOTES & SYMBOLS

108

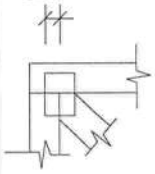
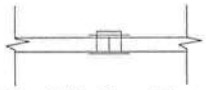


PLATE LOCATION

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.

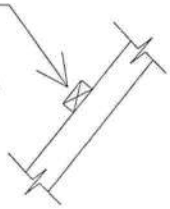
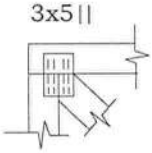


PLATE SIZE AND ORIENTATION

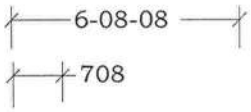
3x5||

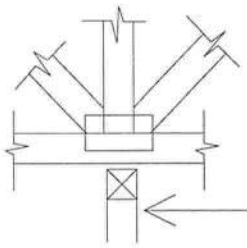


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

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®
POWER TO PERFORM.™

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	gene barnett	Builder Name:	TIMMY'S HEATING & AIR INC.
Street:		Permit Office:	Columbia County
City, State, Zip:	, fl ,	Permit Number:	29445
Owner:	gene barnett	Jurisdiction:	221050
Design Location:	FL, Gainesville		

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	1
5. Is this a worst case?	No
6. Conditioned floor area (ft²)	1674

7. Windows(249.2 sqft.)

	Description	Area
a. U-Factor: SHGC:	Dbl, default Clear, default	249.16 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types (1674.0 sqft.)

	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1674.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1373.2 sqft.)

	Insulation	Area
a. Frame - Wood, Exterior	R=19.0	1373.20 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1674.0 sqft.)

	Insulation	Area
a. Under Attic (Vented)	R=38.0	1674.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Interior Ret: Interior AH: Attic Sup. R= 6, 668 ft²

12. Cooling systems
a. Central Unit — Cap: 34.4 kBtu/hr SEER: 14

13. Heating systems
a. Electric Heat Pump — Cap: 34.4 kBtu/hr HSPF: 8.5

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.92
b. Conservation features
None

15. Credits — None

Glass/Floor Area: 0.149

Total As-Built Modified Loads: 28.02
Total Baseline Loads: 32.89

PASS

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

PREPARED BY: Timothy Hough
DATE: 5-12-11

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

OWNER/AGENT:
DATE:

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

BUILDING OFFICIAL:
DATE:

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

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

PROJECT

Title:	gene barnett	Bedrooms:	1	Adress Type:	Street Address
Building Type:	FLAsBuilt	Conditioned Area:	1674	Lot #	
Owner:	gene barnett	Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	TIMMY'S HEATING & AIR IN	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:	No	County:	columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	, fl ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	171.6 ft		1674 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
____	1	Gable or Shed	Composition shingles	1764 ft²	278 ft²	Medium	0.9	N	0	18.4 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	1674 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	38	1674 ft²	0.1	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
____	1	N	Exterior	Frame - Wood	19	288 ft²	0.6	0.25	0.8
____	2	E	Exterior	Frame - Wood	19	392 ft²	0.6	0.25	0.8
____	3	S	Exterior	Frame - Wood	19	288 ft²	0.6	0.25	0.8
____	4	SW	Exterior	Frame - Wood	19	22.6 ft²	0.6	0.25	0.8
____	5	W	Exterior	Frame - Wood	19	360 ft²	0.6	0.25	0.8
____	6	NW	Exterior	Frame - Wood	19	22.6 ft²	0.6	0.25	0.8

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
____	1	E	Wood	None	0.54	21 ft²
____	2	W	Wood	None	0.54	21 ft²

WINDOWS

Orientation shown is the entered, asBuilt orientation.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	N	Vinyl	Low-E Double	No	0.87	0.66	N	9 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	2	N	Vinyl	Low-E Double	No	0.87	0.66	N	60 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	3	E	Vinyl	Low-E Double	No	0.87	0.66	N	35 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
____	4	E	Vinyl	Low-E Double	No	0.87	0.66	N	18 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	5	S	Vinyl	Low-E Double	No	0.87	0.66	N	9 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	6	S	Vinyl	Low-E Double	No	0.87	0.66	N	30 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	7	S	Vinyl	Low-E Double	No	0.87	0.66	N	9 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	8	SW	Vinyl	Low-E Double	No	0.87	0.66	N	9.58 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	9	W	Vinyl	Low-E Double	No	0.87	0.66	N	30 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	10	W	Vinyl	Low-E Double	No	0.87	0.66	N	30 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None
____	11	NW	Vinyl	Low-E Double	No	0.87	0.66	N	9.58 ft²	3 ft 0 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM	Exhaust CFM	Run Time Fraction	Fan Watts
____	Default	0.00036	1581	7.08	86.8	163.2	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
____	1	Central Unit	None	SEER: 14	34.4 kBtu/hr	cfm	0.7	sys#1

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ducts
____	1	Electric Heat Pump	None	HSPF: 8.5	34.4 kBtu/hr	sys#1

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	0.92	40 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
____	None	None			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Interior	6	668 ft²	Interior	668 ft²	Default Leakage	Attic	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

Cooling	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Heating	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Venting	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

FORM 1100A-08

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
, fl,	

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2	Between walls & ceilings; penetrations of ceiling plane to 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	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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2	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.	

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.ABC.3 Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
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.AB. Ducts in unconditioned attics: R-6 min. 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.	

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 09-7S-17-09960-000 **Building permit No.** 000029445

Use Classification SFD,UTILITY **Fire:** 0.00

Permit Holder OWNER BUILDER **Waste:**

Owner of Building EUGENE & JANIS BARNETT **Total:** 0.00

Location: 294 SW JANIS WAY, HIGH SPRINGS, FL 32643

Date: 11/16/2011

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

The lower the EnergyPerformance Index, the more efficient the home.

, , fl,

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		1
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		1674
7. Windows**	Description	Area
a. U-Factor: SHGC:	Dbl, default Clear, default	234.16 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1674.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1373.20 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1674.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Interior Ret: Interior AH: Attic Sup. R= 6, 668 ft²

12. Cooling systems
a. Central Unit — Cap: 34.4 kBtu/hr SEER: 14

13. Heating systems
a. Electric Heat Pump — Cap: 34.4 kBtu/hr HSPF: 8.5

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.93
b. Conservation features None

15. Credits — WHF, Pstat

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

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

Builder Signature: Eugene Barnett Date:

Address of New Home: City/FL Zip:

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

AHRI CERTIFIED™
www.ahridirectory.org

Certificate of Product Ratings

AHRI Certified Reference Number: 1145165 Date: 5/2/2011

Product: Split System: Heat Pump with Remote Outdoor Unit-Air-Source
Outdoor Unit Model Number: XP13-042-230*
Indoor Unit Model Number: CBX27UH-048-230*+TDR
Manufacturer: LENNOX INDUSTRIES, INC.
Trade/Brand name: XP13 SERIES

Manufacturer responsible for the rating of this system combination is LENNOX INDUSTRIES, INC.

Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	42500
EER Rating (Cooling):	12.00
SEER Rating (Cooling):	14.50
Heating Capacity(Btuh) @ 47 F:	39500
Region IV HSPF Rating (Heating):	8.20
Heating Capacity(Btuh) @ 17 F:	25200

* Ratings followed by an asterisk (*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

AHRI Air-Conditioning, Heating, and Refrigeration Institute

CERTIFICATE NO.: 129488401493441340

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Project Summary
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

Project Information

For: gene barnett

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	68 °F
Design TD	35 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	19172 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	19172 Btuh

Sensible Cooling Equipment Load Sizing

Structure	16677 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	16177 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1674	1674
Volume (ft³)	13392	13392
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	85	45

Latent Cooling Equipment Load Sizing

Structure	3369 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	3369 Btuh
Equipment total load	19546 Btuh
Req. total capacity at 0.70 SHR	1.9 ton

Heating Equipment Summary

Make	Lennox
Trade	XP13 SERIES
Model	XP13-036-230-05
ARI ref no.	3469818

Efficiency	8.5 HSPF
Heating input	
Heating output	34800 Btuh @ 47°F
Temperature rise	34 °F
Actual air flow	947 cfm
Air flow factor	0.049 cfm/Btuh
Static pressure	0.20 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Lennox
Trade	XP13 SERIES
Cond	XP13-036-230-05
Coil	CB27UH-036-230*++TDR+TXV
ARI ref no.	3469818

Efficiency	11.5 EER, 14 SEER
Sensible cooling	24080 Btuh
Latent cooling	10320 Btuh
Total cooling	34400 Btuh
Actual air flow	1147 cfm
Air flow factor	0.069 cfm/Btuh
Static pressure	0.20 in H2O
Load sensible heat ratio	0.83

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AED Assessment
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

Project Information

For: gene barnett

Design Conditions

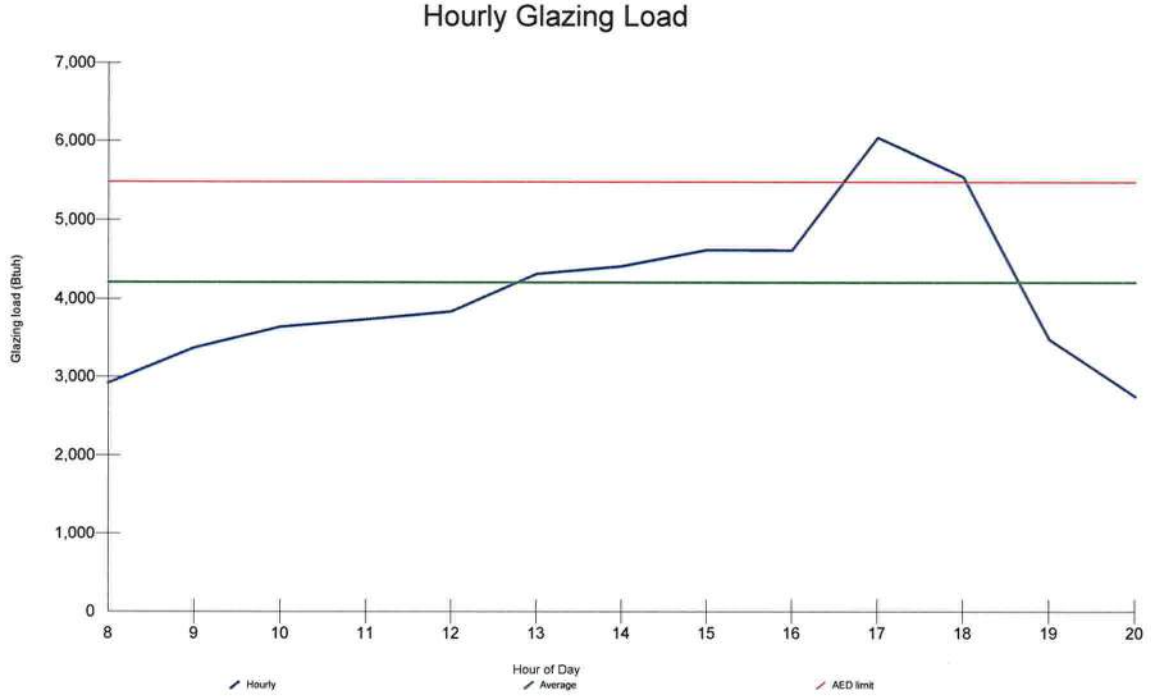
Location:
Gainesville, FL, US
Elevation: 151 ft
Latitude: 30°N

Outdoor:	Heating	Cooling
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	Heating	Cooling
Indoor temperature (°F)	68	75
Design TD (°F)	35	17
Relative humidity (%)	50	50
Moisture difference (gr/lb)	29.0	52.0

Infiltration:

Test for Adequate Exposure Diversity



Maximum hourly glazing load exceeds average by 43.6%.

House does not have adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 571 Btuh (PFG - 1.3*AFG)

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Right-J® Worksheet
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

							Entire House 171.6 ft				bdrm 3 29.0 ft			
1	Room name													
2	Exposed wall						8.0 ft				8.0 ft			
3	Ceiling height												heat/cool	
4	Room dimensions										16.0	x 13.0 ft		
5	Room area						1674.0 ft²				208.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.18	2.20	288	219	698	481	104	74	236	163
.	G	4A5-2ov	0.470	n	16.45	11.06	9	0	148	100	0	0	0	0
.	G	4A5-2ov	0.470	n	16.45	11.06	60	0	987	663	30	0	494	332
.	W	12C-0sw	0.091	e	3.18	2.20	392	318	1013	699	128	128	408	281
11	G	10D-v	0.490	e	17.15	24.54	35	0	600	859	0	0	0	0
	G	4A5-2ov	0.470	e	16.45	13.88	18	30	296	250	0	0	0	0
	D	11G0	0.540	e	18.90	15.74	21	21	397	331	0	0	0	0
	W	12C-0sw	0.091	s	3.18	2.20	288	255	812	560	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	14.44	9	18	148	130	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	11.06	15	30	247	166	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	11.06	9	18	148	100	0	0	0	0
	W	12C-0sw	0.091	sw	3.18	2.20	23	13	42	29	0	0	0	0
	G	4A5-2ov	0.470	sw	16.45	14.78	10	19	158	142	0	0	0	0
	W	12C-0sw	0.091	w	3.18	2.20	360	279	889	613	0	0	0	0
	G	4A5-2ov	0.470	w	16.45	21.55	30	30	494	646	0	0	0	0
	G	4A5-2ov	0.470	w	16.45	19.39	30	30	494	582	0	0	0	0
	D	11G0	0.540	w	18.90	15.74	21	21	397	331	0	0	0	0
	W	12C-0sw	0.091	nw	3.18	2.20	23	13	42	29	0	0	0	0
	G	4A5-2ov	0.470	nw	16.45	28.87	10	0	158	277	0	0	0	0
	C	16B-30ad	0.032	-	1.12	1.68	1674	1674	1875	2820	208	208	233	350
	F	22C-5wpl	0.980	-	34.30	0.00	1674	172	5885	0	208	29	995	0
6	c) AED excursion									571				-106
	Envelope loss/gain								15925	10377			2365	1020
12	a) Infiltration								3248	830			549	140
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @ 230					9			2070	2			460
		Appliances/other								3400				0
	Subtotal (lines 6 to 13)								19172	16677			2913	1621
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								19172	16677			2913	1621
15	Duct loads						0%	0%	0	0	-0%	0%	0	0
	Total room load								19172	16677			2913	1621
	Air required (cfm)								947	1147			144	111

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

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Right-J® Worksheet
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

1	Room name						bath 2				bdrm 2				
2	Exposed wall						6.0 ft				31.0 ft				
3	Ceiling height						8.0 ft		heat/cool		8.0 ft		heat/cool		
4	Room dimensions						11.0 x 6.0 ft				16.0 x 15.0 ft				
5	Room area						66.0 ft²				240.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.18	2.20	48	39	124	86	120	90	287	198
.	G	4A5-2ov	0.470	n	16.45	11.06	9	0	148	100	0	0	0	0
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0	30	0	494	332
.	W	12C-0sw	0.091	e	3.18	2.20	0	0	0	0	0	0	0	0
11	G	10D-v	0.490	e	17.15	24.54	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	e	16.45	13.88	0	0	0	0	0	0	0	0
	D	11G0	0.540	e	18.90	15.74	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.18	2.20	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	14.44	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	sw	3.18	2.20	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	sw	16.45	14.78	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	3.18	2.20	0	0	0	0	128	128	408	281
	G	4A5-2ov	0.470	w	16.45	21.55	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	w	16.45	19.39	0	0	0	0	0	0	0	0
	D	11G0	0.540	w	18.90	15.74	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	nw	3.18	2.20	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	nw	16.45	28.87	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.12	1.68	66	66	74	111	240	240	269	404
	F	22C-5wpl	0.980	-	34.30	0.00	66	6	206	0	240	31	1063	0
6	c) AED excursion									-20				-112
	Envelope loss/gain								552	277			2520	1104
12	a) Infiltration								114	29			587	150
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @ 230					0			0	2			460
		Appliances/other								0				0
	Subtotal (lines 6 to 13)								666	306			3106	1713
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								666	306			3106	1713
15	Duct loads						-0%	0%	0	0	-0%	0%	0	0
	Total room load								666	306			3106	1713
	Air required (cfm)								33	21			153	118

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

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Right-J® Worksheet
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

1	Room name						living				kitchen				
2	Exposed wall						19.6 ft				16.0 ft				
3	Ceiling height						8.0 ft		heat/cool		8.0 ft		heat/cool		
4	Room dimensions						1.0	x	406.0 ft		16.0	x	11.0 ft		
5	Room area						406.0 ft²				176.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.18	2.20	0	0	0	0	0	0	0	0	
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0	0	0	0	0	
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0	0	0	0	0	
.	W	12C-0sw	0.091	e	3.18	2.20	0	0	0	0	128	110	350	242	
11	G	10D-v	0.490	e	17.15	24.54	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	e	16.45	13.88	0	0	0	0	18	15	296	250	
	D	11G0	0.540	e	18.90	15.74	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.18	2.20	16	16	51	35	0	0	0	0	
	G	4A5-2ov	0.470	s	16.45	14.44	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	sw	3.18	2.20	23	13	42	29	0	0	0	0	
	G	4A5-2ov	0.470	sw	16.45	14.78	10	9	158	142	0	0	0	0	
	W	12C-0sw	0.091	w	3.18	2.20	96	45	143	99	0	0	0	0	
	G	4A5-2ov	0.470	w	16.45	21.55	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	w	16.45	19.39	30	15	494	582	0	0	0	0	
	D	11G0	0.540	w	18.90	15.74	21	21	397	331	0	0	0	0	
	W	12C-0sw	0.091	nw	3.18	2.20	23	13	42	29	0	0	0	0	
	G	4A5-2ov	0.470	nw	16.45	28.87	10	0	158	277	0	0	0	0	
	C	16B-30ad	0.032	-	1.12	1.68	406	406	455	684	176	176	197	297	
	F	22C-5wpl	0.980	-	34.30	0.00	406	20	672	0	176	16	549	0	
6	c) AED excursion									529				-189	
	Envelope loss/gain								2609	2735			1392	599	
12	a) Infiltration								372	95			303	77	
	b) Room ventilation								0	0			0	0	
13	Internal gains:	Occupants @ 230					2			460	1			230	
		Appliances/other								900				2000	
	Subtotal (lines 6 to 13)								2981	4190			1695	2906	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								2981	4190			1695	2906	
15	Duct loads						-0%	0%	0	0	-0%	0%	0	0	
	Total room load								2981	4190			1695	2906	
	Air required (cfm)								147	288			84	200	

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

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Right-J® Worksheet
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

1	Room name						brekfast				uility				
2	Exposed wall						7.0 ft				21.0 ft				
3	Ceiling height						8.0 ft			heat/cool	8.0 ft			heat/cool	
4	Room dimensions						7.0	x	11.0 ft		10.0	x	11.0 ft		
5	Room area						77.0 ft²				110.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.18	2.20	0	0	0	0	0	0	0	0	
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0	0	0	0	0	
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0	0	0	0	0	
.	W	12C-0sw	0.091	e	3.18	2.20	56	21	67	46	80	59	188	130	
11	G	10D-v	0.490	e	17.15	24.54	35	0	600	859	0	0	0	0	
	G	4A5-2ov	0.470	e	16.45	13.88	0	0	0	0	0	0	0	0	
	D	11G0	0.540	e	18.90	15.74	0	0	0	0	21	21	397	331	
	W	12C-0sw	0.091	s	3.18	2.20	0	0	0	0	88	79	252	174	
	G	4A5-2ov	0.470	s	16.45	14.44	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0	9	9	148	100	
	W	12C-0sw	0.091	sw	3.18	2.20	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	sw	16.45	14.78	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.18	2.20	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	w	16.45	21.55	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	w	16.45	19.39	0	0	0	0	0	0	0	0	
	D	11G0	0.540	w	18.90	15.74	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	nw	3.18	2.20	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.470	nw	16.45	28.87	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.12	1.68	77	77	86	130	110	110	123	185	
	F	22C-5wpl	0.980	-	34.30	0.00	77	7	240	0	110	21	720	0	
6	c) AED excursion									201				-93	
	Envelope loss/gain								993	1236			1828	826	
12	a) Infiltration								132	34			397	102	
	b) Room ventilation								0	0			0	0	
13	Internal gains:	Occupants @ 230					0			0	0			0	
		Appliances/other								0				500	
	Subtotal (lines 6 to 13)								1126	1270			2225	1427	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								1126	1270			2225	1427	
15	Duct loads						-0%	0%	0	0	-0%	0%	0	0	
	Total room load								1126	1270			2225	1427	
	Air required (cfm)								56	87			110	98	

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

wrightsoft

Right-J® Worksheet
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

					masterbdrm 34.0 ft 8.0 ft heat/cool 17.0 x 15.0 ft 255.0 ft²				wic 0 ft 8.0 ft heat/cool 7.0 x 8.0 ft 56.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.18	2.20	16	16	51	35	0	0	0	0
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0	0	0	0	0
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0	0	0	0	0
.	W	12C-0sw	0.091	e	3.18	2.20	0	0	0	0	0	0	0	0
11	G	10D-v	0.490	e	17.15	24.54	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	e	16.45	13.88	0	0	0	0	0	0	0	0
	D	11G0	0.540	e	18.90	15.74	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.18	2.20	120	105	334	231	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	14.44	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	11.06	15	15	247	166	0	0	0	0
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	sw	3.18	2.20	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	sw	16.45	14.78	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	3.18	2.20	136	106	338	233	0	0	0	0
	G	4A5-2ov	0.470	w	16.45	21.55	30	15	494	646	0	0	0	0
	G	4A5-2ov	0.470	w	16.45	19.39	0	0	0	0	0	0	0	0
	D	11G0	0.540	w	18.90	15.74	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	nw	3.18	2.20	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	nw	16.45	28.87	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.12	1.68	255	255	286	430	56	56	63	94
	F	22C-5wpl	0.980	-	34.30	0.00	255	34	1166	0	56	0	0	0

6	c) AED excursion									392				-6
	Envelope loss/gain								2915	2133			63	89
12	a) Infiltration								643	164			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @	230		2					460	0			0
		Appliances/other								0				0
	Subtotal (lines 6 to 13)								3558	2757			63	89
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								3558	2757			63	89
15	Duct loads				-0%	0%			0	0	-0%	0%	0	0
	Total room load								3558	2757			63	89
	Air required (cfm)								176	190			3	6

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

wrightsoft

Right-J® Worksheet
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

1	Room name						masterbath								
2	Exposed wall						8.0 ft								
3	Ceiling height						8.0 ft			heat/cool					
4	Room dimensions						10.0	x	8.0	ft					
5	Room area						80.0 ft²								
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.18	2.20	0	0	0	0				
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0				
.	G	4A5-2ov	0.470	n	16.45	11.06	0	0	0	0				
.	W	12C-0sw	0.091	e	3.18	2.20	0	0	0	0				
11	G	10D-v	0.490	e	17.15	24.54	0	0	0	0				
	G	4A5-2ov	0.470	e	16.45	13.88	0	0	0	0				
	D	11G0	0.540	e	18.90	15.74	0	0	0	0				
	W	12C-0sw	0.091	s	3.18	2.20	64	55	175	121				
	G	4A5-2ov	0.470	s	16.45	14.44	9	9	148	130				
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0				
	G	4A5-2ov	0.470	s	16.45	11.06	0	0	0	0				
	W	12C-0sw	0.091	sw	3.18	2.20	0	0	0	0				
	G	4A5-2ov	0.470	sw	16.45	14.78	0	0	0	0				
	W	12C-0sw	0.091	w	3.18	2.20	0	0	0	0				
	G	4A5-2ov	0.470	w	16.45	21.55	0	0	0	0				
	G	4A5-2ov	0.470	w	16.45	19.39	0	0	0	0				
	D	11G0	0.540	w	18.90	15.74	0	0	0	0				
	W	12C-0sw	0.091	nw	3.18	2.20	0	0	0	0				
	G	4A5-2ov	0.470	nw	16.45	28.87	0	0	0	0				
	C	16B-30ad	0.032	-	1.12	1.68	80	80	90	135				
	F	22C-5wpl	0.980	-	34.30	0.00	80	8	274	0				
6	c) AED excursion									-26				
	Envelope loss/gain								687	360				
12	a) Infiltration								151	39				
	b) Room ventilation								0	0				
13	Internal gains:	Occupants @ 230					0			0				
		Appliances/other								0				
	Subtotal (lines 6 to 13)								839	398				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								839	398				
15	Duct loads						-0%	0%	0	0				
	Total room load								839	398				
	Air required (cfm)								41	27				

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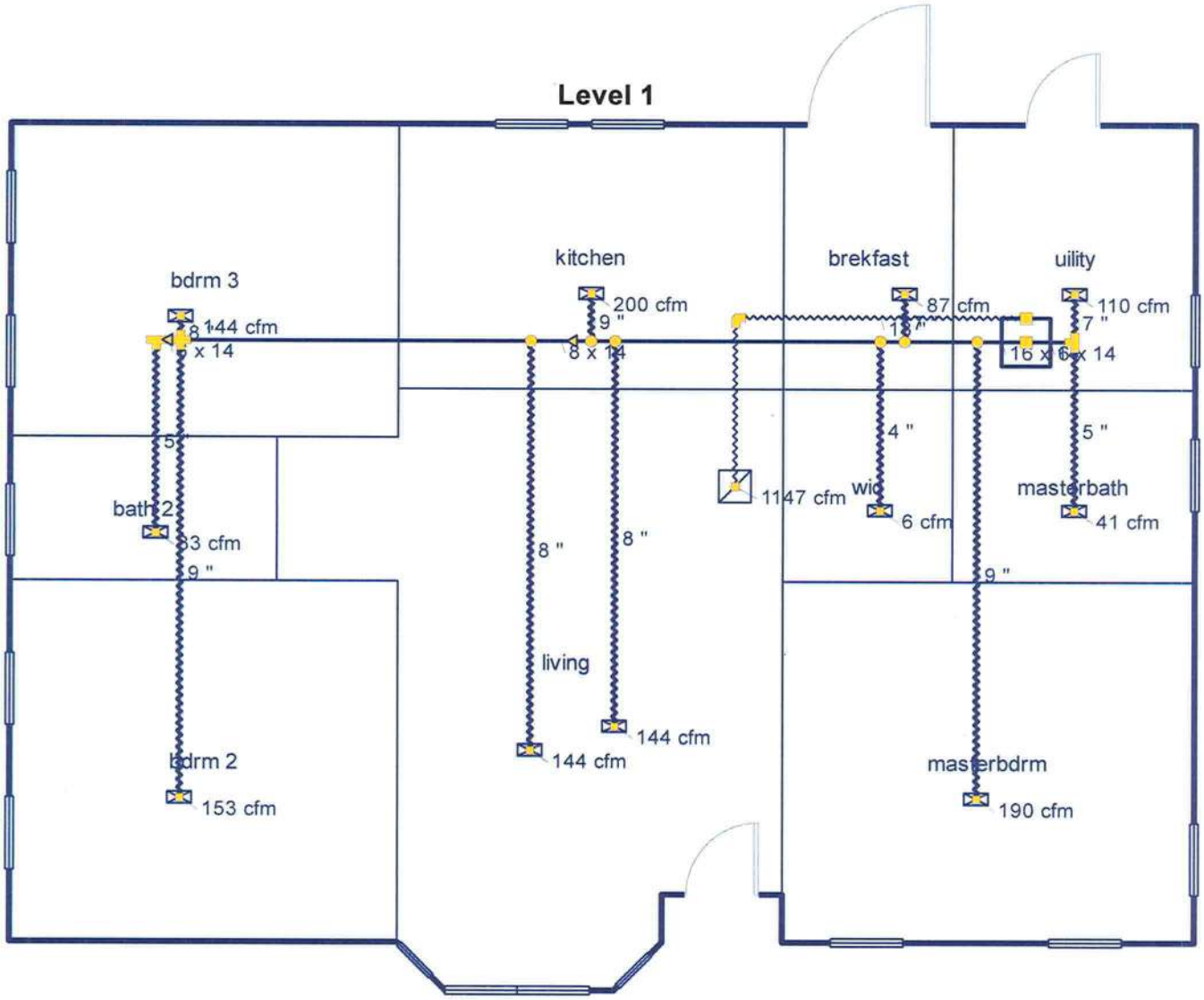

Job #: **Performed by TIMMY HOUGH for:** gene barnett	**TIMMY'S HEATING & AIR INC.** FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852	Scale: 1 : 86 Page 1 Right-Suite® Universal 7.1.25 RSU05314 2011-May-10 17:15:25 ...Wrightsoft HVAC\gene barnett.rup

wrightsoft

Duct System Summary
Entire House
TIMMY'S HEATING & AIR INC.

Job:
Date: May 07, 2011
By: TIMMY HOUGH

FORT WHITE, FL 32038 Phone: 386-497-4659 Fax: 386-497-2852

Project Information

For: gene barnett

	Heating	Cooling
External static pressure	0.20 in H2O	0.20 in H2O
Pressure losses	0 in H2O	0 in H2O
Available static pressure	0.20 in H2O	0.20 in H2O
Supply / return available pressure	0.14 / 0.06 in H2O	0.14 / 0.06 in H2O
Lowest friction rate	0.063 in/100ft	0.063 in/100ft
Actual air flow	947 cfm	1147 cfm
Total effective length (TEL)	318 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
bath 2	h 666	33	21	0.063	5.0	0x0	VlFx	44.0	185.0	st2B
bdrm 2	h 3106	153	118	0.064	9.0	0x0	VlFx	54.0	170.0	st2A
bdrm 3	h 2913	144	111	0.070	8.0	0x0	VlFx	36.0	170.0	st2A
brekfast	c 1270	56	87	0.073	7.0	0x0	VlFx	7.0	190.0	st2
kitchen	c 2906	84	200	0.080	9.0	0x0	VlFx	20.0	160.0	st2
living	c 2095	74	144	0.066	8.0	0x0	VlFx	37.5	180.0	st2A
living-A	c 2095	74	144	0.071	8.0	0x0	VlFx	33.0	170.0	st2
masterbath	h 839	41	27	0.085	5.0	0x0	VlFx	9.0	160.0	st1
masterbdrm	c 2757	176	190	0.067	9.0	0x0	VlFx	21.0	195.0	st2
uility	h 2225	110	98	0.088	7.0	0x0	VlFx	4.0	160.0	st1
wic	c 89	3	6	0.075	4.0	0x0	VlFx	13.0	180.0	st2

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	Peak AVF	151	126	0.085	259	7.4	14 x 6	RectFbg	
st2	Peak AVF	795	1021	0.063	657	16.1	14 x 16	RectFbg	
st2A	Peak AVF	404	394	0.063	519	11.4	14 x 8	RectFbg	st2
st2B	Peak AVF	33	21	0.063	56	4.4	14 x 6	RectFbg	st2A

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	947	1147	89.0	0.063	649	18.0	0x 0		VlFx	

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing 29445 — #29445

FIELD DENSITY WORKSHEET

CLIENT Gene Barnett ✓ DATE 6-6-11

PROJECT NO. ____

PROJECT NAME Barnett Res PERMIT NO. ____

EARTH CONTRACTOR 314 SW Jan's Way, High Springs, Fl TESTED BY JH

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

TOTAL ON-SITE TIME ____ MILES FROM OFFICE ____

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

TEST LOCATION	LAB PROCTOR DENS.	LAB PROCTOR OMC	TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
ctr of W Ftg	105.1	10.7	12"	F/G	5.2	108.6	103.2	98.2
ctr of N½ of Pad	↓	↓	↓	↓	4.0	108.2	104.0	99.0
ctr of S½ of Pad	↓	↓	↓	↓	4.9	108.7	103.6	98.6
ctr of E Ftg	↓	↓	↓	↓	5.3	109.4	103.9	98.9

REMARKS ____

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

P.O. BOX 2035
ALACHUA, FL 32616-2035
(386) 462-0069

29445

DATE 6-7-11	TIME IN 1410 OUT	ACCOUNT NO.	ROUTE NO. 1
NAME Chris English		ACCOUNT TYPE: ☐ REGULAR ☐ RESIDENTIAL ☐ INDOOR; ☑ 1-TIME ☐ COMMERCIAL ☐ OUTDOOR	
ADDRESS			
CITY, STATE, ZIP High Springs		FREQUENCY: ☐ ANNUALLY ☐ 6 MONTHS ☐ 3 MONTHS; ☐ MONTHLY ☐ BI-MONTHLY ☐ WEEKLY	
PHONE			

☐ INSPECTION ☑ TREATMENT ☐ ☐

TARGET PEST(S)	SITE TREATED	APPLICATION METHOD	APPLICATION RATE
pretreat		Spray	

CHEMICALS USED	AMOUNT	%	EPA NUMBER
Cross Check	225gal	06	

DESCRIPTION / REMARKS		AMOUNT
Pretreat		176 00
	SUB-TOTAL	
	TAX	
	TOTAL	
	ACCOUNT BALANCE	
	☐ CASH ☐ CHECK # AMOUNT PAID	
SERVICED BY / LICENSE NO. / CUSTOMER SIGNATURE	BALANCE DUE	176 00

SERVICE ORDER / INVOICE 001750

NOTICE OF TREATMENT

Applicator Name Alachua Pest Services

Address 14580 NW 441 Hwy

City Alachua Fl. 32616

Time 210 Date 6/20/11

29445

SITE LOCATION

Lot # ____ Block # ____ Permit # 000029445

Subdivision ____

Address 204 SW Janis Way
High Springs

Name of Chemical Applied Premise Used ____ %

Area Treated 300 SF

Gallons Used 309 gal

Remarks ____

Applicator - White Permit File - Canary Permit Holder - Pink

M 1043