DATE 09/14/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000024974

APPLICANT EDWARD RIOPELLE PHONE 813-672-3894

ADDRESS 12204 GLENHILL DR RIVERVIEW FL 33569

OWNER EDWARD & SUE RIOPELLE PHONE 813-672-3403

ADDRESS 807 SW QUARRY CIRCLE FORT WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 47 S, L 27, L 18, R ELLIS, R QUARRY, FIRST ROAD MAKE A RIGHT FOLLOW ROAD TO LOT 10 2ND ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 305700.00

HEATED FLOOR AREA 6114.00 TOTAL AREA 7477.00 HEIGHT 23.40 STORIES 2

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. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 02-7S-16-04111-110 SUBDIVISION LITTLE PINE FAMS

LOT 10 BLOCK PHASE UNIT TOTAL ACRES 10.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
			x Edward R. Riopelle

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTNG	06-0031-N	BK	JH	N

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD

DISCLOSURE STATEMENT INCLUDED

NOC ON FILE Check # or Cash ~~528~~ 530

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

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

Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by

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

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

Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by

M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 1530.00 CERTIFICATION FEE $ 37.38 SURCHARGE FEE $ 37.38

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** 1679.76

INSPECTORS OFFICE L. H CLERKS OFFICE CN

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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0607-21 Date Received 7/11/06 By CT Permit # 24974

Application Approved by - Zoning Official BLK Date 7/14/06 Plans Examiner JTH OK Date 9-14-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

Applicants Name Edward & Sue Riopelle Phone 813-672-3403 Fax 813-672-3894

Address 12204 Glenhill Dr. Riverview Fl. 33569

Owners Name Edward & Sue Riopelle Phone 813-672-3403

911 Address 807 S.W. Quarry Circle Fort White 32038

Contractors Name Edward & Sue Riopelle Phone 813-672-3403

Address 12204 Glenhill Dr. Riverview Fl. 33569

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Demco Drafting & Design 38452 6th Av. Zephyrhills Fl. 33542

Mortgage Lenders Name & Address

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

Property ID Number 02-75-16-04111-110 Estimated Cost of Construction 100,000.00

Subdivision Name Little Pine Farms Hawthorne Lot 10 Block Unit Phase

Driving Directions 441 to TR 27 TO TR 18 to TR Quarry Rd. Right turn then First Road make a Right Follow Rd to lot 10 2nd left

Type of Construction Building house SFD Number of Existing Dwellings on Property 0

Total Acreage 9.14 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 125 Ft Side 50 Ft Side 50 Ft Rear 40 Ft

Total Building Height 23' 4" Number of Stories 2 Heated Floor Area 6114 Roof Pitch 6/7

Total 7477

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.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Edward R. Riopelle

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

LAURIE HODSON
MY COMMISSION # DD 0[illegible]
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me

this 14 day of 9 20 06.

Personally known ____ or Produced Identification ✓

Laurie Hodson

Notary Signature

Columbia County Property Appraiser

DB Last Updated: 8/1/2006

Parcel: 02-7S-16-04111-110

2006 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	RIOPELLE EDWARD
Site Address	LITTLE PINE FARMS SD
Mailing Address	12204 GLENHILL DR RIVERVIEW, FL 33569
Description	LOT 10 LITTLE PINE FARMS S/D. ORB 858-480,

Use Desc. (code)	MISC RES (000700)
Neighborhood	2716.01
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	9.140 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (2)	$25,767.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (1)	$950.00
Total Appraised Value		$26,717.00

Just Value	$26,717.00
Class Value	$0.00
Assessed Value	$26,717.00
Exempt Value	$0.00
Total Taxable Value	$26,717.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
4/30/1998	858/480	WD	V	U	02	$45,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0040	BARN,POLE	2003	$950.00	380.000	19 x 20 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000700	MISC RES (MKT)	4.000 AC	1.00/1.00/1.00/1.00	$6,400.00	$25,600.00
000700	MISC RES (MKT)	5.140 AC	1.00/1.00/1.00/1.00	$32.50	$167.00

Columbia County Property Appraiser

DB Last Updated: 8/1/2006

1 of 1

Disclaimer

This information was derived from data which was compiled by the Columbia County Property Appraiser's Office solely

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You 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 your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Two-Family Residence
( ) Farm Outbuilding
( ) Other_____
( ) New Construction
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Edward Riopelle, 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 ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number 24974

Edward R. Riopelle 9/14/06
Signature Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 9-14-06 Building Official/Representative

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

******THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.******

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

Tax Parcel ID Number _____

1. **Description of property: (legal description of the property and street address or 911 address)**
   807 S.W. Quarry Fort White Fl. 32038
   Lot 10 and part of Lot 15 Little Pine Acres
2. **General description of improvement:** Building A house
3. **Owner Name & Address** Edwin Sue Riopelle 12204 Glenhill DR Riverview Fl 33569
   Interest in Property _____
4. **Name & Address of Fee Simple Owner (if other than owner):** mom + DAD John + Dot Dempsey
5. **Contractor Name** Black Ball const inc **Phone Number** 813-294-2329
   Address 12204 Glenhill DR Riverview Fl 33569
6. **Surety Holders Name** _____ **Phone Number** _____
   Address _____
   Amount of Bond _____
7. **Lender Name** _____
   Address _____

Inst:2006016456 Date:07/11/2006 Time:13:40
DC,P.DeWitt Cason,Columbia County B:1089 P:973

8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
   Name Wachovia Bank N.A. **Phone Number** _____
   Address P.O. Box 530554 Atlanta GA. 30353
9. **In addition to himself/herself the owner designates** _____ **of** _____ **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –**
   (a) 7. Phone Number of the designee _____
10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)** _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Edwin S R Riopelle
Signature of Owner

Sworn to (or affirmed) and subscribed before 11th **day of** July, **20** 06

GALE TEDDER
MY COMMISSION # DD343580
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

Gale Tedder
Signature of Notary

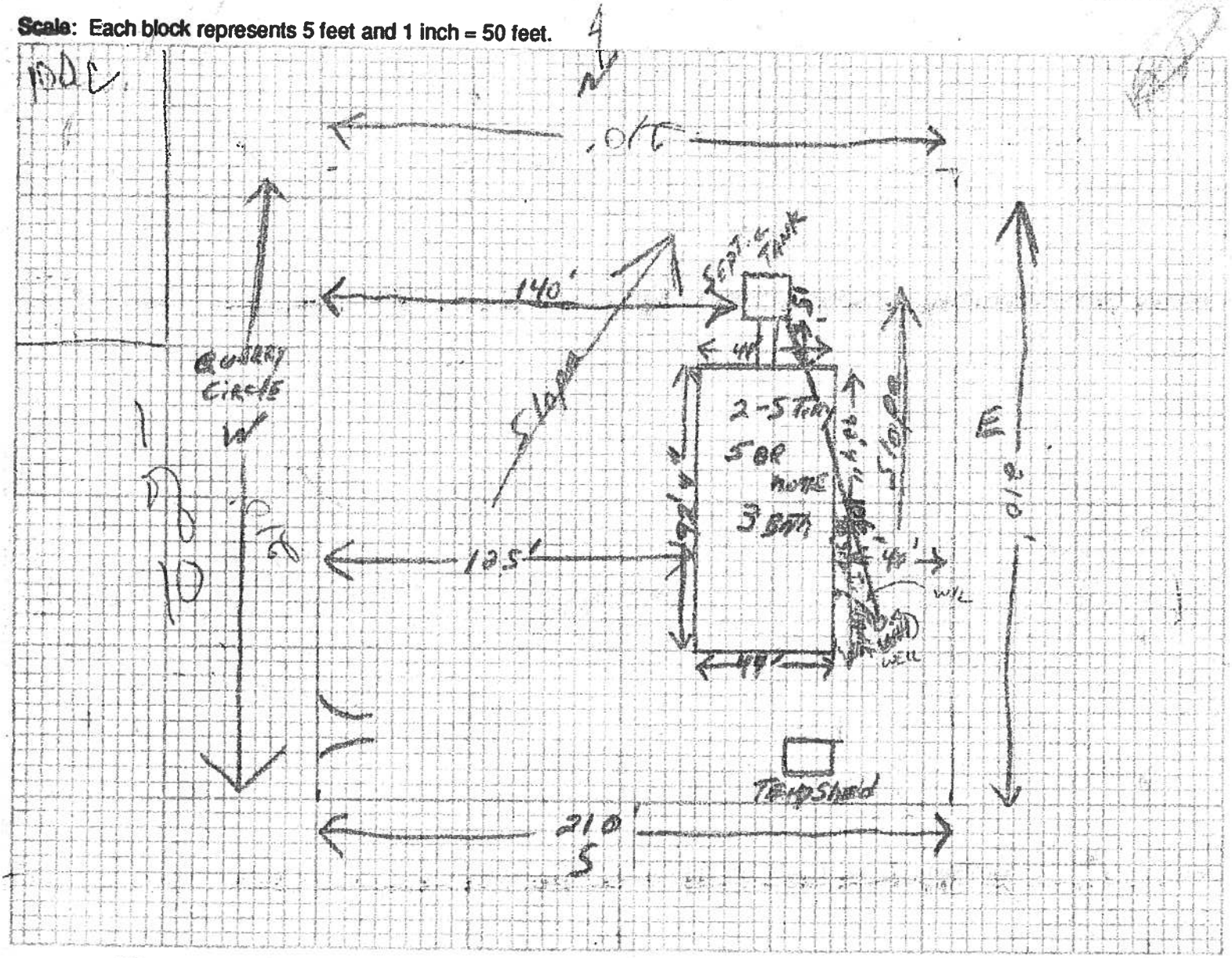
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0031N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: FORT WHITE LITTLE PINE FARM LOT 10, 441 to 27 to 18 off of 18 there a street called ELLIS Rd to QUARRY CIRCLE MAKE right turn then first Road MAKE after Right follow Road to LOT 10

Site Plan submitted by: _____ _____
Signature Title

Plan Approved X Not Approved _____ Date 2/2/16

By _____ County Health Department

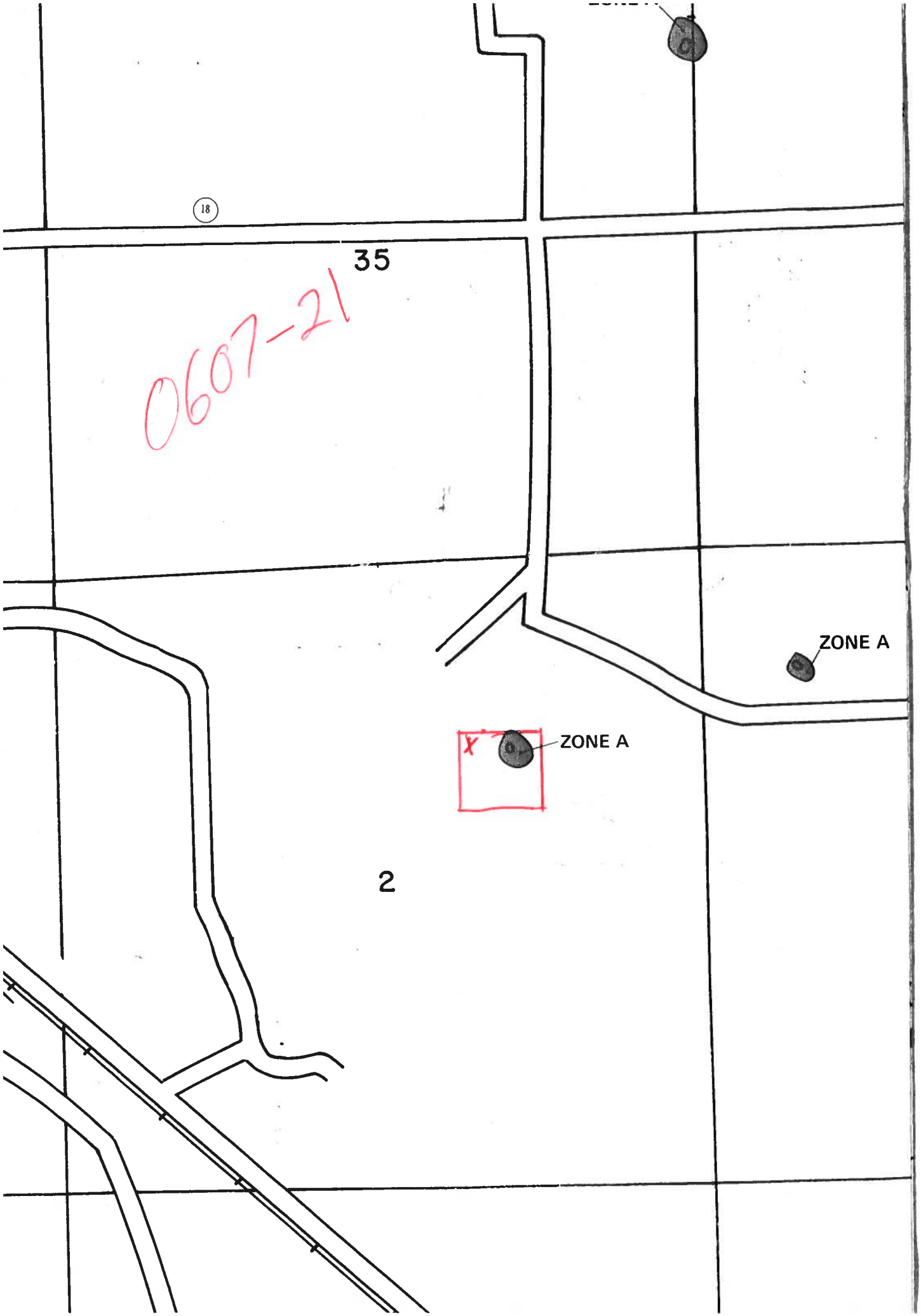
ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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	Thermatru corp.	Ext door	F 6
~~2. Sliding~~			
~~3. Sectional~~			
~~4. Roll up~~			
~~5. Automatic~~			
6. Other			
B. WINDOWS			
1. Single hung	NU AIR	fin and f ge	FI 21
2. ~~Horizontal Slider~~			
3. Casement			
4. ~~Double Hung~~			
5. Fixed	NU AIR	All shapes	FL 2
~~6. Awning~~			
~~7. Pass-through~~			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
~~1. Siding~~			
2. Soffits	Cameron Ashley	vinyl soffits	FI 7621
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	GAF		FI 183
2. Underlayments	Owens Corning	30 felt	101.1
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~~			


18
35
0607-21
ZONE A
ZONE A
X
2

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056
4784 Rosselle Street • Jacksonville, FL 32254
2230 Greensboro Highway • Quincy, FL 32351

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 381-8901 • Fax (904) 381-8902
Tel. (850) 442-3495 • Fax (850) 442-4008

24974

September 1, 2006

Edward Riopelle
12204 Glen Hill Drive
Riverview, Florida 33569

Reference: Proposed Residence
807 Quarry Circle Drive
Columbia County, Florida
Cal-Tech Project No. 06-520

Dear Mr. Riopelle,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for a residence to be constructed at the referenced address in Columbia County, Florida. Our work was performed in conjunction with and authorized by you.

We understand the residence will be single-story and of masonry block construction with a plan area of approximately 6,000 square feet, heated and cooled. Support for the residence is to be provided by a monolithic foundation. Anticipated foundation loads were not provided; however, we assume column and wall loads will not exceed 25 kips and 2 kips per foot, respectively.

The purposes of our investigation were to evaluate the existing subgrade soils for an allowable bearing pressure of 2,500 pounds per square foot and to provide recommendations as appropriate.

Site Investigation

The building area was investigated by performing four Standard Penetration Test borings advanced to depths of 10.0 feet. Borings were performed at the approximate locations indicated on the attached drawing. Boring locations were selected by Cal-Tech Testing, Inc., and the building area was delineated on site.

The Standard Penetration Test (ASTM D-1586) is performed by driving a standard split-barrel sampler into the soil by blows of a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler 1 foot, after seating 6 inches, is designated the penetration resistance, or N-value; this value is an index to soil density or consistency.

Findings

The soil borings generally encountered three soil strata. The first layer consists of 1.0 to 2.5 feet of loose, generally tan or grayish tan sand (SP) or sand with silt (SP/SM). The N-values of this layer are on the order of 8 to 9 blows per foot.

The second layer consists of 1.5 to 9 or more feet of very loose to loose, tan or grayish tan sand with clay (SP/SC) or clayey sand (SC) and/or stiff, grayish tan, tan and orange or gray and orange, sandy clay (CL). The N-values of this layer range from 1 to 25 blows per foot. A thin lens of limestone was encountered within this layer at boring location B-2.

The third layer consists of an undetermined thickness of loose to dense limestone for which N-values range from 8 to 42 blows per foot. This layer was encountered only at boring location B-4.

Groundwater was not encountered at the time of our investigation, and we estimate the wet season water table will occur at a depth of more than 6.0 feet below the existing surface grade. Note however that storm water will temporarily perch on clayey soils encountered near the ground surface.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs.

Discussion and Recommendations

We have performed a bearing capacity analysis for the immediate bearing soils and have used the proposed thickened edge of width 20 inches and thickness 18 inches. Embedment is assumed to be 12 inches, the minimum acceptable. For this foundation and the site soils as encountered, we obtained allowable bearing pressures of 2,500 pounds per square foot with factors of safety ranging from about 1.1 to 1.3. It is therefore our opinion the subgrade soils within the proposed building area are suitable for the proposed monolithic foundation and an allowable bearing pressure of 2,500 pounds per square foot. However, we believe factors of safety need to be improved, and we recommend thorough site preparation be performed.

Site preparation specifically should include thorough proof-rolling and proof-compaction of the stripped building limits. Proof-rolling will help to compact the bearing soils and to locate zones of especially loose or soft soils that may be present. Such zones should be excavated and replaced or otherwise treated as directed by the geotechnical engineer.

Fill materials, if required, should consist of reasonably clean, fine sand containing less than about 10% passing the No. 200 sieve. Fill should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density.

Following proof-rolling operations, the bearing soils should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of at least 2 feet in foundation areas and 1 foot in floor slab areas.

Our evaluation is based upon the subsurface conditions encountered and as presented within this report. However, subsurface conditions may exist that differ from our findings. We request that we be notified if substantially different subsurface conditions are encountered.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer
5/4/06
52612

TERMITE SERVICE REPORT # 24974

Date: 11/25/2006

Customer Name: Edward & Susie Riopelle Phone #: 813-672-3403 Work Phone #: HM1

Service Address: 607 Quarry Rd Fort White, FL 32038

Account Number: 01-0002971 Infestation Type: Termite Complete Liquid Application Guarantee Type: TERT

Initial Treatment: 1,470.00 Amount Due: 1,470.00 Amount Received Cash Check

Service Covered Thru: Completion Date: 11/25/2006 Renewal Amount: 0.00 Grid #

I. Bait Activity: ☐ Yes ☐ No # of Stations: Monitoring _____ Bait _____ Next Service Date: _____

II. Service ☐ Initial Treatment ☐ Retreatment ☐ Service Call (No Treatment) ☐ Reinspection ☐ Bait Monitoring ☐ Annual Bait Reinspection

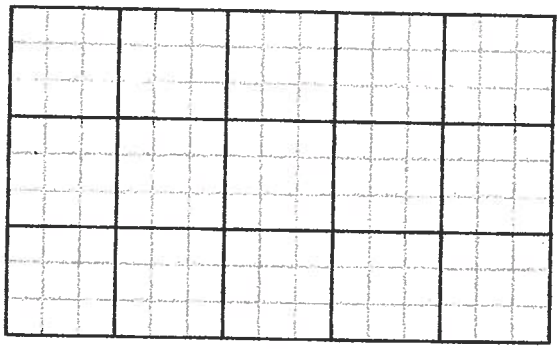
III. Materials Used (Utilize Product Information Key that includes EPA Reg # and Active Ingredient information on back for completion of this section.)

	Product # (From Key)	Amount Applied	Dilution %		Product # (From Key)	Amount Applied	Dilution %
A)				B)			
B)				D)			
C)				F)			

V. Conducive Conditions

t is important for you to know that certain conditions in and around your home can contribute to Wood Infesting Organisms and can therefore compromise the effectiveness Orkin's treatment. It is very important that you remedy the Conducive Conditions noted below. If you fail to do so, it may, in some cases, jeopardize your agreement; moreove s probable that your home will experience future termite activity and damage, and retreatment by Orkin may not solve the termite problem. This report DOES NOT INCLUDE MO or any mold-like conditions. Mold is generally not a wood destroying organism and is outside the scope of this report. If you wish your property to be inspected for mold or mold-l conditions, please contact the appropriate mold professional. Please notify us in writing when you have corrected the Conducive Conditions. We identified the following Conduc Condition(s):

☐ Soil above Sill
☐ Roof Leaks
☐ Cellulose material stored in crawl area
☐ Cellulose material in contact with ground
☐ Excessive Exterior Moisture
☐ Excessive Interior Moisture
☐ Improper Ventilation
☐ Excessive Moisture in Crawl
☐ Exterior Insulation Finished System (EIFS)
☐ Siding/Stucco in contact with grou
☐ Treatment disturbed
☐ Other _____



States where applicable:

Wind Direction _____

Wind Velocity _____

Temperature _____

Humidity _____

Time on job _____

Target Pest _____

. Inspection

.) Performed on (Date): _____ B) Activity Found: ☐ Yes ☐ No

:) Retreatment Scheduled Date (if needed): _____ D) Customer Home: ☐ Yes ☐ No

Customer Signatur

Orkin Representativ

I. Treatment

Thank you for choosing Orkin

I understand that additions, or modifications to or around the structure can disturb the termiticide treatment and may require additional inspection and treatment.

The location of these areas are: _____

This work has been performed to my satisfaction

Customer Signature Date

I would like to accept the Valued Customer Savings Program for Pest Control Service. ☐ Yes ☐ No ☐ NA

Orkin Representative - Full Name CA # (If applicable) Date

ORKIN EXTERMINATING CO.
2943 WILLISTON RD.
GAINESVILLE FLA 32608

Orkin Street Address:

City/State/Zip:

CUSTOMER COPY

82002 Rev 10/03

Aug. 23, 2007

COLUMBIA permit 24974

Dear county BUILDING-ZONING DEPT.

my name is Susie Rogelle my husband name is Edward Rogelle we have not finish the house yet, because of lack of money and no work

Susie Rogelle

386-497-2732

Permit # 24974.

SHORT FORM FOR "MANUAL J" LOAD CALCULATION FOR RESIDENTIAL HEATING AND AIR CONDITIONING

	Factors		area on UNIT	B.t.u. req'd	
	HEAT	COOL		HEAT	COOL
GLASS DOORS HEATING SQ. FT.	85	xxx	40	3400	xxxxx
WINDOW HEATING SQ. FT.	50	xxx	358	17900	xxxxx
WINDOWS AND GLASS DOORS COOLING SQ. FT. N. EXP.	xxx	25	105.6	xxxx	2640
WINDOWS AND GLASS DOORS COOLING SQ. FT. E&W EXP.	xxx	55	144.7	xxxx	7955
WINDOWS AND GLASS DOORS COOLING SQ. FT. S. EXP.	xxx	30	147.7	xxxx	4431
OTHER-DOORS-SQ. FT.	85	13	20	1105	1700
EXTERIOR WALLS - USE NET SQ. FT. AREA					
CONCRETE BLOCK FURRED--MIN R-3.6 INSUL.	5.6	4.7	1783	9985	8380
FRAME W/SHEATHING SIDING OR VENEER -MIN. R-9.7 INS	2.8	3	1521	4259	4563
FRAME NO SHEATING SIDING OR VENEER -MIN. R-10.3 INS.	2.8	3			
OTHER WALLS -SEE MANUAL J					
FLOORS-SLAB ON GRADE-LIN. FT. OUTSIDE WALL X FACTOR	40	xxxxx	264	10560	xxxxxx
CEILING (1) ½" GYPSUM BD.-FOR "U"=.05-MIN.R-18 INS.	1.7	3	3677	6251	11031
CEILING (1) ½" GYPSUM BD.-FOR "U"=.08-MIN.R-10.8 INS.	2.8	xxxxx			
FLAT ROOF DECK (1) (2) FOR "U"=.14.	4.9	xxxxx		"	
FLAT ROOF DECK (1) (2) FOR "U"=.09	3.1	2		"	
VENTILATION - NO. BEDROOM X FACTOR	800	360	4	3200	1440
PEOPLE - NO. BEDROOM X FACTOR	xxxx	450	4	xxxx	1800
APPLIANCES	XXXXX	XXXXXX	XXXXX	XXXXX	1200
SUBTOTAL ABOVE	xxxx	xxxxx	xxxx	56660	49680
SUBTOTAL INCLUDING DUCT LOSS AND GAIN X FACTOR	1.05	1.1	xxxx	62324	54648
SUBTOTAL INCLUDING LATENT HEAT (COOL) X FACTOR	xxxx	1.3	xxxx	xxxx	71042
TOTAL HEAT LOSS AND GAIN	xxxx	xxxxx	xxxx	62326	71042

property address _____
builder / contractor _____
design conditions _____
outside 40°f inside 75°f _____
PERMIT NO. _____
APP. NO. _____

summer design conditions:
outside 95°f inside 75°f
equipment model# _____
mfg. by _____

HUGHES WELL DRILLING & PUMP SERVICE

12367 N US HWY 441
LAKE CITY, FLORIDA 32055

OFFICE: (386)752-1840
FAX: (386)755-2934

E-MAIL:HUGWELL1840@AOL.COM

Columbia County Building and Zoning
P.O. Box 1529
Lake City, Fl. 32056-1529

Attn: Gale Tedder/Janis

Subject: Requested Info: Ed & Sue Riopelle-02-07-16-04111-110

1- 4" Deep Well
2- 1-hp Pump-20gpm
3- 82 Gallon Eqv. Bladder Tank
4- 1-Cycle Stop Valve
5- 1&1/4" Drop Pipe

If you have any further questions, please feel free to phone me at the above number.

Sincerely,

Ronnie Hughes

WE DRILL THE BEST AND SERVICE THE REST

Windows and Doors

NUAIR

Approval #	Category	Sub-category	Sub-numbers	NuAir Series #	Description	Use
FL5722	Windows	Mullions				
			5722.1	812	1x2 tube	Non-Impact
			5722.2	813	1x3 tube	Impact
			5722.3	814	1x4 tube	Impact
			5722.4	823	1x2 tube awning	Non-Impact
			5722.5	Standard Tube	2x2,3,4,5,6	Impact
FL5330	Windows	Single Hung				
			5330.1	900	fin and flange	Non-Impact
			5330.2	950	fin and flange	Non-Impact
			5330.3	975	fin and flange	Non-Impact
FL5331	Windows	Horizontal Slider				
			5331.1	900	XO, OX and XOX	Non-Impact
			5331.2	975	XO, OX and XOX	Non-Impact
FL5333	Windows	Fixed				
			5333.1	900	all shapes	Non-Impact
			5333.2	975	all shapes	Non-Impact
FL5334	Exterior Doors	Sliding				
			5334.1	200	bypass and pocket	Non-Impact
			5334.2	200 Corner	bypass and pocket	Non-Impact
			5334.3	500	bypass and pocket	Non-Impact
			5334.4	975	bypass and pocket	Non-Impact
FL5336	Windows	Awning				
			5336.1	AO2/AO3		Non-Impact
FL5337	Windows	Single Hung				
			5337.1	9000	fin and flange	Impact
FL5338	Windows	Horizontal Slider				
			5338.1	9000	XO, OX and XOX	Impact
FL5339	Windows	Fixed				
			5339.1	9000	all shapes	Impact
FL5340	Exterior Doors	Sliding				
			5340.1	9000	bypass and pocket	Impact

Non-Impact, 900 Series Fixed Window Installation Details for Masonry Applications (for use in Wind Zones of 150 MPH or less per Florida Building Code 2001)*

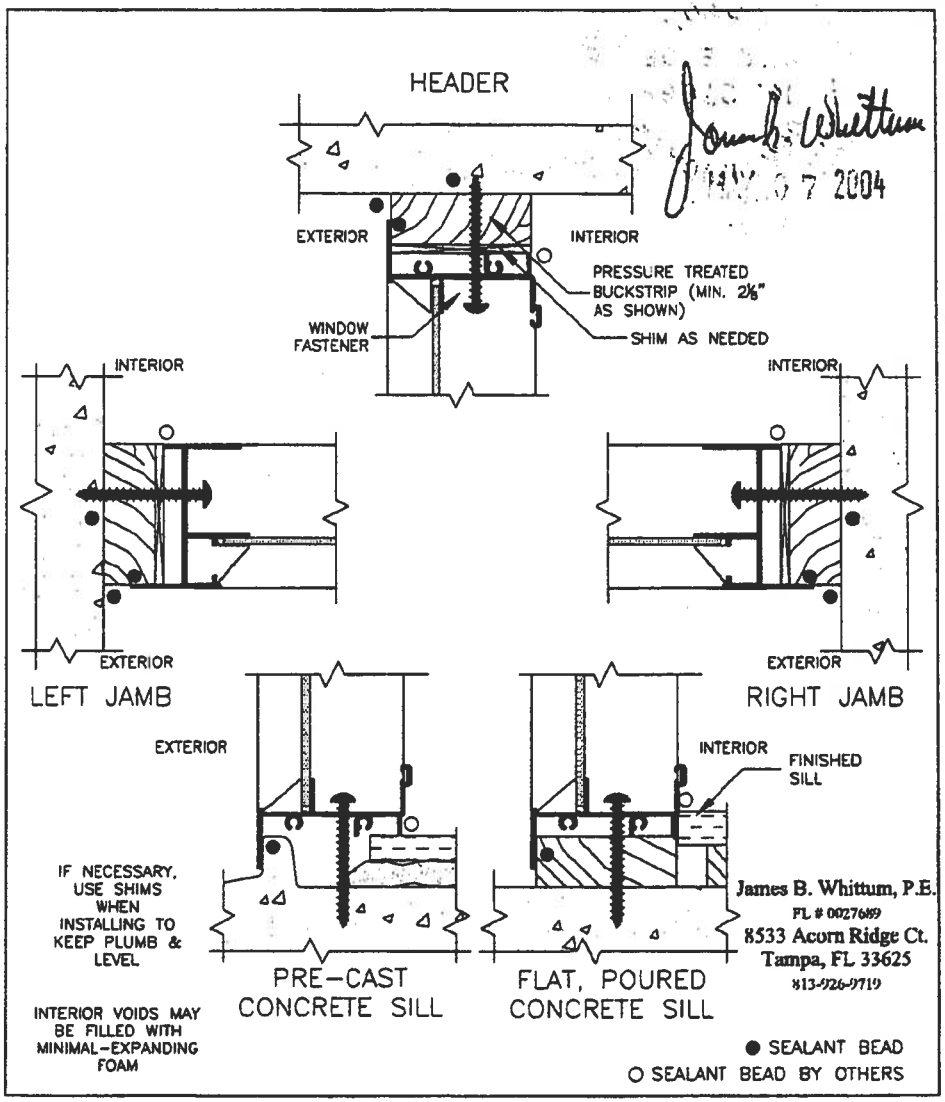
Buckstrips must be set in a bead of sealant. The exterior joint between the buckstrip and masonry must also be sealed. Buckstrips shall run the entire length of the rough opening. A buckstrip is not necessary at the sill if it is pre-cast. Buckstrips should be pressure-treated yellow pine, spruce or comparable lumber.

If using under 1-1/2" thick buckstrips:

Installation fasteners should be minimum 3/16" x 2-1/4" masonry screws, installed through the window and buckstrip, into the masonry. Window may be shimmed, as needed, provided a minimum screw embedment of 1-1/4" is maintained in the masonry. Fasteners should be located at a maximum of 4" from each corner and a maximum of 18" on center. The actual size of the buckstrips should be no less than 1/2" x 2-1/8".

If using 1-1/2" thick or greater buckstrips (not detailed):

Installation fasteners should be minimum #10 x 1-1/2" wood screws, installed through the window into the buckstrip. Window may be shimmed, as needed, provided a minimum screw embedment of 1-1/4" is maintained in the buckstrip. Fasteners should be located at a maximum of 4" from each corner and a maximum of 18" on center. The actual size of the buckstrip should be no less than 1-1/2" x 2-1/8" and should be installed using minimum 3/16" x 2-3/4" masonry screws to maintain the 1-1/4" embedment and a maximum of 18" on center.



*The product depicted above is intended for use on typical construction. The use of additional flashing, vapor barriers, fasteners, etc may be specified by the project's design professional. Basic wind speed alone is not sufficient to determine the required design pressure (DP). The DP must be calculated in accordance with ASCE 7-98 by a design professional that is familiar with the project design and location, as specified in the 2001 FBC. DP comparative analysis charts and AAMA-101 compliant test reports are available for all NuAir manufactured products. Please consult your local building codes for exact requirements.

AMERICAN ARCHITECTURAL MANUFACTURES ASSOCIATION MEMBER

Windows and Doors NUAIR

813/885-1654 · 800/282-6627 · www.NuAir.com · 8105 Anderson Road, P.O. Box 15436, Tampa, Florida 33684

Non-Impact, 900 Series Fixed Window Installation Details for Wood Frame Applications (for use in Wind Zones of 150 MPH or less per Florida Building Code 2001)*

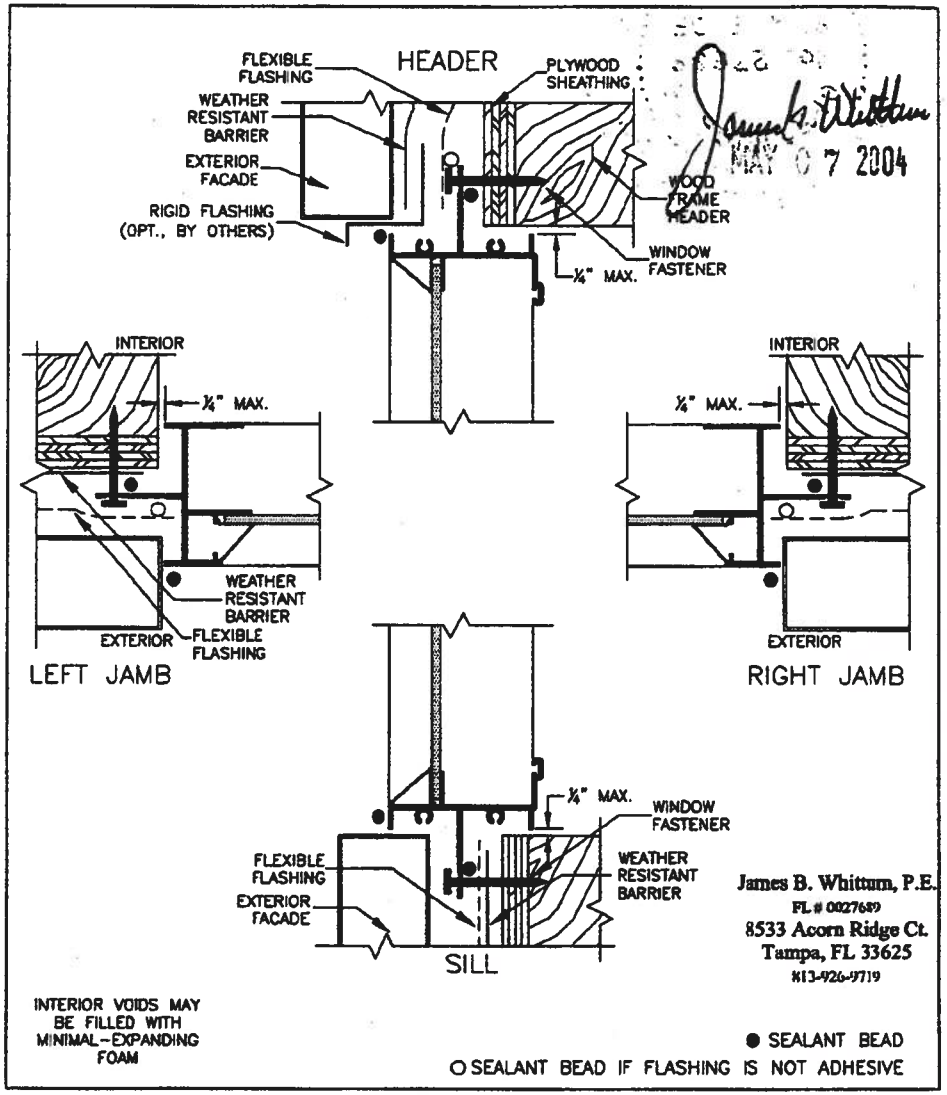
Window Installation:

Use the chart below as a guideline in selecting the appropriate window fastener. Note that fasteners should be located no more than 4" from the corner of the window. It is recommended that all screws or nails be sealed to prevent infiltration of air and water.

Wood/Drywall/Decking Screws or Common Nail			
Fastener Diameter	Fastener Length	Maximum Design Pressure	Center-to-Center Fastener Distance
# 6 Screw	1-1/2"	+/- 45 psf +/- 80 psf	24" 14"
# 6 Screw	2"	+/- 45 psf +/- 80 psf	28" 18"
8d Nail	2-1/2"	+/- 45 psf +/- 80 psf	14" 8"

Weatherproofing:

Flexible flashing should be installed in a weatherboard fashion. The top layer should overlay any layer underneath it. The weather resistant barrier should then cover the flexible flashing at the header. The application of the weather resistant barrier will vary based on when it is installed. If installed after the window, it should be tucked under the sill flashing and overlap the jambs and head flashing.



MAY 07 2004

James B. Whittum, P.E.
FL # 0027689
8533 Acorn Ridge Ct.
Tampa, FL 33625
813-926-9719

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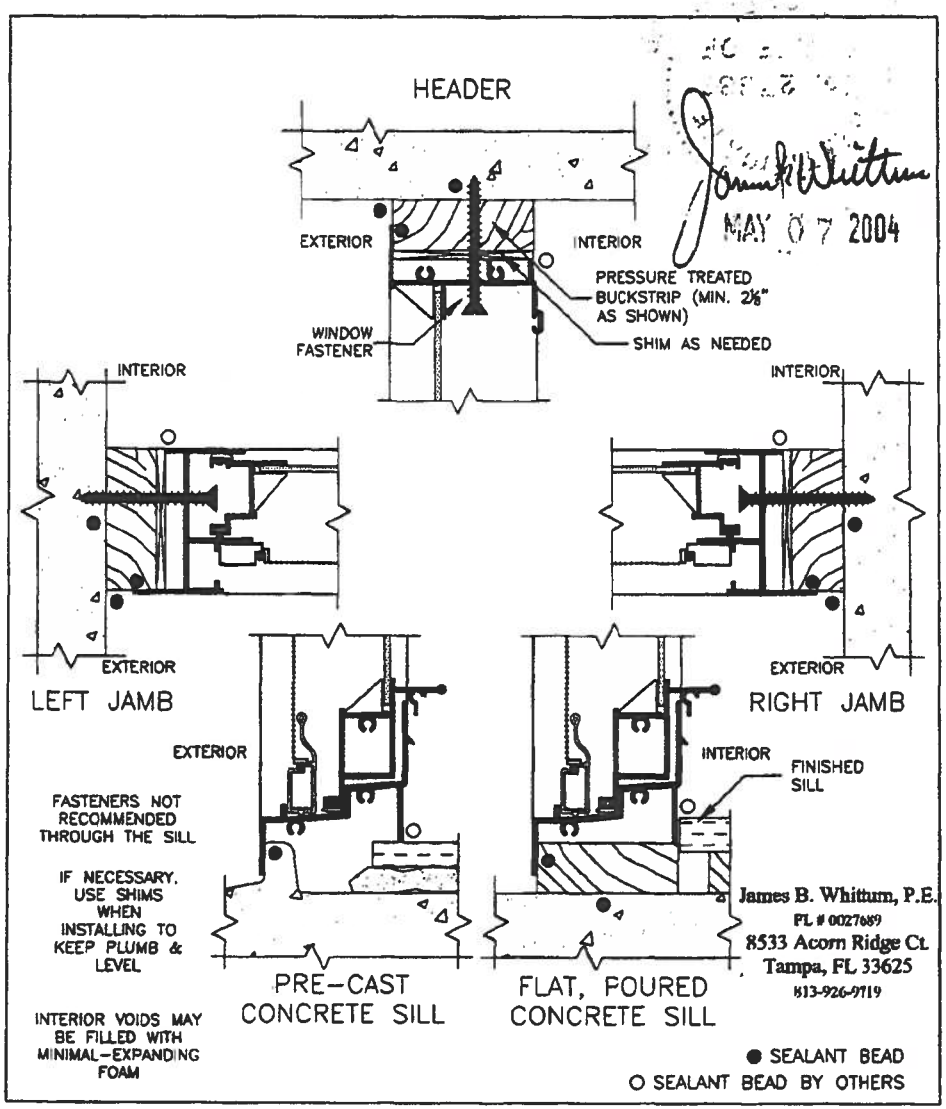
Non-Impact, 900 & 950 Series Single Hung Window Installation Details for Masonry Applications (for use in Wind Zones of 150 MPH or less per Florida Building Code 2001)*

Buckstrips must be set in a bead of sealant. The exterior joint between the buckstrip and masonry must also be sealed. Buckstrips shall run the entire length of the rough opening. A buckstrip is not necessary at the sill if it is pre-cast. Buckstrips should be pressure-treated yellow pine, spruce or comparable lumber. Window fasteners may be installed on either the interior or exterior side.

If using under 1-1/2" thick buckstrips:
Installation fasteners should be minimum 3/16" x 2-1/4" masonry screws, installed through the window and buckstrip, into the masonry. Window may be shimmed, as needed, provided a minimum screw embedment of 1-1/4" is maintained in the masonry. Fasteners should be located at a maximum of 4" from each corner and a maximum of 18" on center or use the manufacturer's pre-punched installation holes. It is recommended that fasteners not be installed through the sill of the window. The actual size of the buckstrips should be no less than 1/2" x 2-1/8".

If using 1-1/2" thick or greater buckstrips (not detailed):
Installation fasteners should be minimum #10 x 1-1/2" wood screws, installed through the window into the buckstrip. Window may be shimmed, as needed, provided a minimum screw embedment of 1-1/4" is maintained in the buckstrip. Fasteners should be located at a maximum of 4" from each corner and a maximum of 18" on center or use the manufacturer's pre-punched installation holes. It is recommended that fasteners not be installed through the sill of the window. The actual size of the buckstrip should be no less than 1-1/2" x 2-1/8" and should be installed using minimum 3/16" x 2-3/4" masonry screws to maintain the 1-1/4" embedment and a maximum of 18" on center.

Note: For minimum masonry anchoring based on design pressure, see "Alternate Masonry Installation Fastening Methods for Single Hung Windows" drawing.



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Non-Impact, 900 & 950 Series Single Hung Window Installation Details for Wood Frame Applications (for use in Wind Zones of 150 MPH or less per Florida Building Code 2001)*

Window Installation:

Use the chart below as a guideline in selecting the appropriate window fastener. Note that fasteners should be located no more than 4" from the corner of the window. It is recommended that all screws or nails be sealed to prevent infiltration of air and water.

Wood/Drywall/Decking Screws or Common Nail			
Fastener Diameter	Fastener Length	Maximum Design Pressure	Center-to-Center Fastener Distance
# 6 Screw	1-1/2"	+/- 45 psf +/- 80 psf	24" 14"
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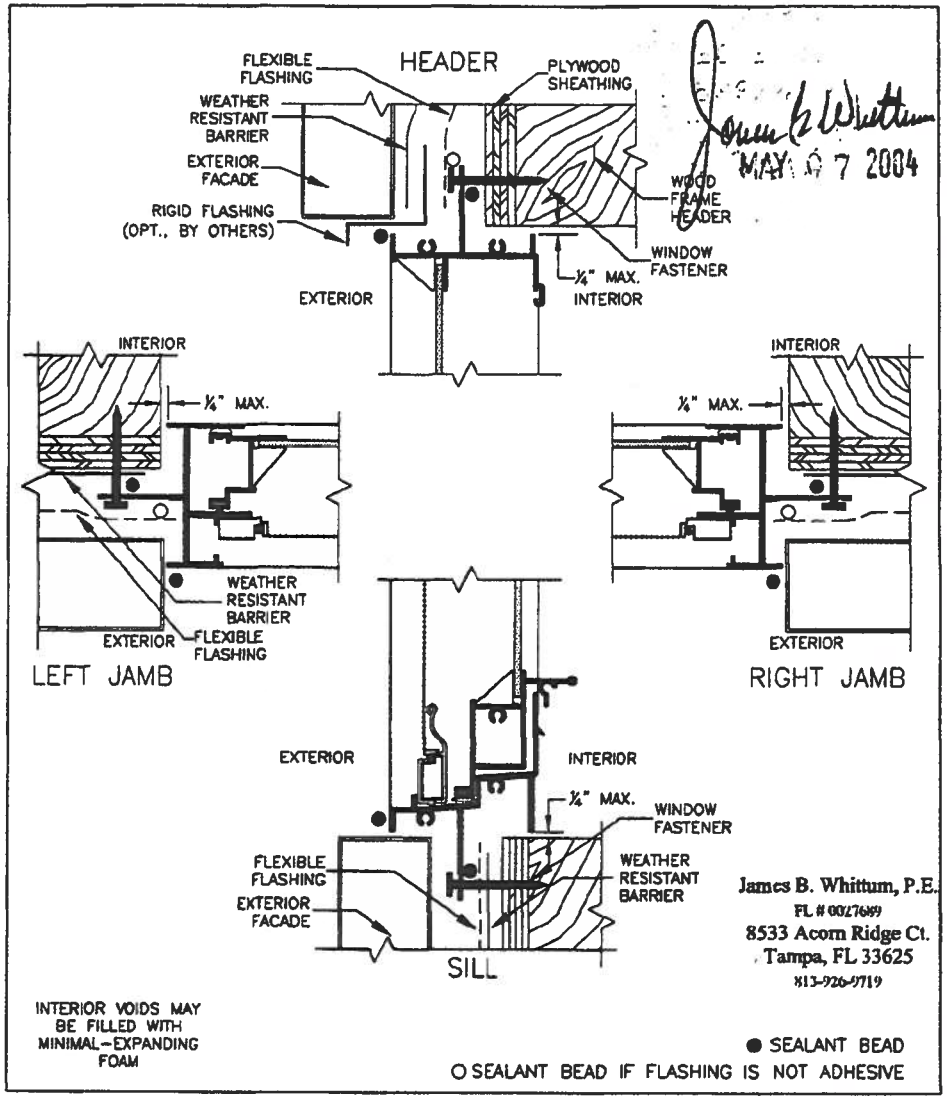

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From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0607-21

Contractor: Black Ball Construction Owners Edward & Sue Riopelle 02-7s-16-04111-110

On the date of July 12, 2006 application 0607-21 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0607-21 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.

1. Please have Mr. David W. Smith PE provide the following information per the Florida Residential Code.

Wind-load Engineering Summary, calculations

Basic wind speed (3-second gust), miles per hour (km/hr)

Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.

Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.

The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient components and cladding.

2. As required by Florida statute 553.842 and Florida Administrative code 9B-72, please provide the product approval number(s) on the components listed on the attached form.

3. Bathroom number two has a window which may be defined Hazardous locations: FRC-2004 section R308.4 Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. Each pane of glazing installed in hazardous locations as defined in Section R308.4 shall be provided with a manufacturer's or installer's label, designating the type and thickness of glass and the safety glazing standard with which it complies, which is visible in the final installation. The label shall be acid etched, sandblasted, ceramic-fired, embossed mark, or shall be of a type which once applied cannot be removed without being destroyed. Please verify this window will comply with section R308.4

4. Please verify that at least one window in each bedroom will meet the requirements of the FBC-2004 Section R310.1.1 Minimum opening area: All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m2). Exception: Grade floor openings shall have a minimum net clear opening of 5 square feet (0.465 m2): R310.1.2 Minimum opening height. The minimum net clear opening height shall be 24 inches (610 mm): R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches (508 mm).

5. The stairwell to the second floor must be designed to meet the requirement of section R311.5 Stairways. R311.5.1 Width. Stairways shall not be less than 36 inches (914 mm) in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31.5 inches (787 mm) where a handrail is installed on one side and 27 inches (698 mm) where handrails are provided on both sides. Exception: The width of spiral stairways shall be in accordance with Section R311.5.8. R311.5.2 Headroom. The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2036 mm) measured vertically from the sloped plane adjoining the tread nosing or from the floor surface of the landing or platform. R311.5.3 Stair treads and risers. R311.5.3.1 Riser height. The maximum riser height shall be 7¾ inches

(196 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). R311.5.3.2 Tread depth. The minimum tread depth, exclusive of nosing, shall be not less than 9 inches (229 mm). Treads and risers of stairs shall be permitted to be so proportioned that the sum of two risers and a tread, exclusive of projection of nosing, is not less than 24 inches (610 mm) nor more than 25 inches (635 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point 12 inches (305) mm from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the greatest winder tread depth at the 12 inch (305 mm) walk line shall not exceed the smallest by more than 3/8 inch (9.5 mm). Please show a drawing which will indicate the above requirements and include the total rise and run of the stair.

9-11-06

6. The general structural notes (#18) assume that the soil load bearing capacity is 2,500 pound per square foot. The building department only assumes for all soils in Columbia County to have a load bearing capacity is 1,000 pound per square foot. Therefore one of the two prescribed

methods must be preformed to insure the proper load bearing soils to support the structure foundation. Method one: Have the structural designer Mr. David W. Smith redesign the foundation to be so designed to support the structure using a load bearing capacity equal to 1,000 pound per square foot. Method two: Have the follow prescribed testing methods done to reveal the soil load bearing capacities. Please have a registered professional conduct subsurface explorations at the project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shall be made to a depth of not less than 10 feet (3048 mm) below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity.

7. Two sets of truss plans were submitted with the application, neither had the truss designer razed engineered seal which must be affixed to these truss plans. Please submit two sets of the roof truss and two sets floor truss plans with a razed engineered seal on each set.

8. On the wall section drawing please identify the size rim joist and the attachment method which will connect the 16" floor truss to the foundation and second floor structural framing.

9. On the electrical plan show the location of the electrical panel and include the total amperage rating of the electrical service panel also show the overcurrent protection device which shall be installed on the exterior of structures to serve as a disconnecting means. 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.

10. Please show compliance with the FBC-2004 Chapter 13 Florida Energy Efficiency Code for Building Construction, 13-100.2 Intent. The provisions of this code shall regulate (1) the design of building envelopes for adequate thermal resistance and low air leakage and (2) the design and selection of mechanical, electrical, and illumination systems and equipment which will enable the effective use of energy in new building construction, additions, alterations or any change in building configuration. Forms are available from the local jurisdiction permitting offices or may be obtained from the Department of Community Affairs, Codes and Standards Section, 2555 Shumard Oak Blvd., Tallahassee, Florida 32399-2100. Copies of Subchapter 6 forms may be found in Appendix 13-D of this chapter or online at www.floridabuilding.org. Also submit a Manual J sizing equipment or equivalent computation for the HVAC system to be installed within the dwelling.

11. The building permit application lists Edward & Sue Riopelle as the applicants. The listed building contractor is Black Ball Construction Inc. In order for the applicants to obtain a building permit a notarized statement will need to be submitted which authorizes you as the applicant to sign on the behalf of the contractor.

12. Please submit a letter form the potable water well contractor which will describe the equipment to be used to supply potable water to this dwelling. Include the size of pump motor, size of pressure tank and cycle stop valve if used.

13. On the building permit application form please establish a estimated cost of construction.

Joe Haltiwanger

Plan Examiner
Columbia County Building 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

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

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Phone Number 386-758-1163
Fax Number 386-754-7088

FAX TRANSMITTAL FORM

To: Edward Riopelle — From: Joe Haltiwanger
Name: — Date Sent: 07/13/06
CC: Building permit application **0607-21**
Phone: Number of Pages: *Ten pages* including the cover page
Fax: 813-672-3894

Message: Reference to building permit application Number: **0607-21**
Contactor: Black Ball Construction Owners: Edward and Sue Riopelle

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 · Lake City, FL 32056 Tel (386) 755-3633 · Fax (386) 752-5456
4784 Rosselle Street · Jacksonville, FL 32254 Tel (904) 381-8801 · Fax (904) 381-8902
2230 Greensboro Highway · Quincy, FL 32351 Tel (850) 442-3495 · Fax (850) 442-4008

September 1, 2006

Edward Riopelle
12204 Glen Hill Drive
Riverview, Florida 33569

Reference: Proposed Residence
807 Quarry Circle Drive
Columbia County, Florida
Cal-Tech Project No. 06-520

Dear Mr. Riopelle,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for a residence to be constructed at the referenced address in Columbia County, Florida. Our work was performed in conjunction with and authorized by you.

We understand the residence will be single-story and of masonry block construction with a plan area of approximately 6,000 square feet, heated and cooled. Support for the residence is to be provided by a monolithic foundation. Anticipated foundation loads were not provided; however, we assume column and wall loads will not exceed 25 kips and 2 kips per foot, respectively.

The purposes of our investigation were to evaluate the existing subgrade soils for an allowable bearing pressure of 2,500 pounds per square foot and to provide recommendations as appropriate.

Site Investigation

The building area was investigated by performing four Standard Penetration Test borings advanced to depths of 10.0 feet. Borings were performed at the approximate locations indicated on the attached drawing. Boring locations were selected by Cal-Tech Testing, Inc., and the building area was delineated on site.

The Standard Penetration Test (ASTM D-1586) is performed by driving a standard split-barrel sampler into the soil by blows of a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler 1 foot, after seating 6 inches, is designated the penetration resistance, or N-value. this value is an index to soil density or consistency.

Findings

The soil borings generally encountered three soil strata. The first layer consists of 1.0 to 2.5 feet of loose, generally tan or grayish tan sand (SP) or sand with silt (SP/SM). The N-values of this layer are on the order of 8 to 9 blows per foot.

The second layer consists of 1.5 to 9 or more feet of very loose to loose, tan or grayish tan sand with clay (SP/SC) or clayey sand (SC) and/or stiff, grayish tan, tan and orange or gray and orange, sandy clay (CL). The N-values of this layer range from 1 to 25 blows per foot. A thin lens of limestone was encountered within this layer at boring location B-2.

The third layer consists of an undetermined thickness of loose to dense limestone for which N-values range from 8 to 42 blows per foot. This layer was encountered only at boring location B-4.

Groundwater was not encountered at the time of our investigation, and we estimate the wet season water table will occur at a depth of more than 6.0 feet below the existing surface grade. Note however that storm water will temporarily perch on clayey soils encountered near the ground surface.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs.

Discussion and Recommendations

We have performed a bearing capacity analysis for the immediate bearing soils and have used the proposed thickened edge of width 20 inches and thickness 18 inches. Embedment is assumed to be 12 inches, the minimum acceptable. For this foundation and the site soils as encountered, we obtained allowable bearing pressures of 2,500 pounds per square foot with factors of safety ranging from about 1.1 to 1.3. It is therefore our opinion the subgrade soils within the proposed building area are suitable for the proposed monolithic foundation and an allowable bearing pressure of 2,500 pounds per square foot. However, we believe factors of safety need to be improved, and we recommend thorough site preparation be performed.

Site preparation specifically should include thorough proof-rolling and proof-compaction of the stripped building limits. Proof-rolling will help to compact the bearing soils and to locate zones of especially loose or soft soils that may be present. Such zones should be excavated and replaced or otherwise treated as directed by the geotechnical engineer.

Fill materials, if required, should consist of reasonably clean, fine sand containing less than about 10% passing the No. 200 sieve. Fill should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density.

Following proof-rolling operations, the bearing soils should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of at least 2 feet in foundation areas and 1 foot in floor slab areas.

Our evaluation is based upon the subsurface conditions encountered and as presented within this report. However, subsurface conditions may exist that differ from our findings. We request that we be notified if substantially different subsurface conditions are encountered.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer
5/4/06
526/2

B-1

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
		Greyish Tan Sand, Trace Limerock (SP)
	9	Loose, Tannish Grey Sand with Silt (SP/SM)
	9	Loose, Greyish Tan, Clayey Sand (SC)
5 ft	11	Stiff, Greyish Tan, Very Sandy Clay, Trace Limestone (CL)
	9	Stiff, Brown, Sandy Clay (CL)
	14	Medium Dense, Tannish Orange, Clayey Sand (SC)
	25	Medium Dense, Crangish Tan Sand with Clay (SP/SC)
10 ft	TOB	

B-2

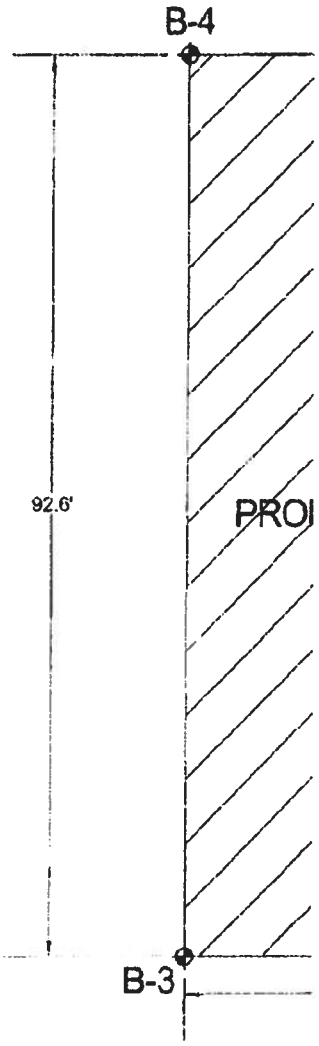
Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
		Greyish Tan Sand with Silt (SP/SM)
	9	Loose, Light Tan Limerock
	6	Loose, Orangish Tan, Clayey Sand (SC)
5 ft	7	Medium Stiff, Greyish Tan, Sandy Clay (CL)
	4	
	10	Stiff, Tan, Grey and Orange, Sandy Clay (CL)
	11	Stiff, Grey, Tan and Orange, Sandy Clay (CL)
10 ft	TOB	

B-4

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
		Greyish Tan Sand with Silt (SP/SM)
	8	Loose, Tan Sand with Clay, Trace Limestone (SP/SC)
	8	
5 ft	9	
	23	Loose to Dense, Light Tan, Weathered Limestone
	42	
	12	
10 ft	TOB	



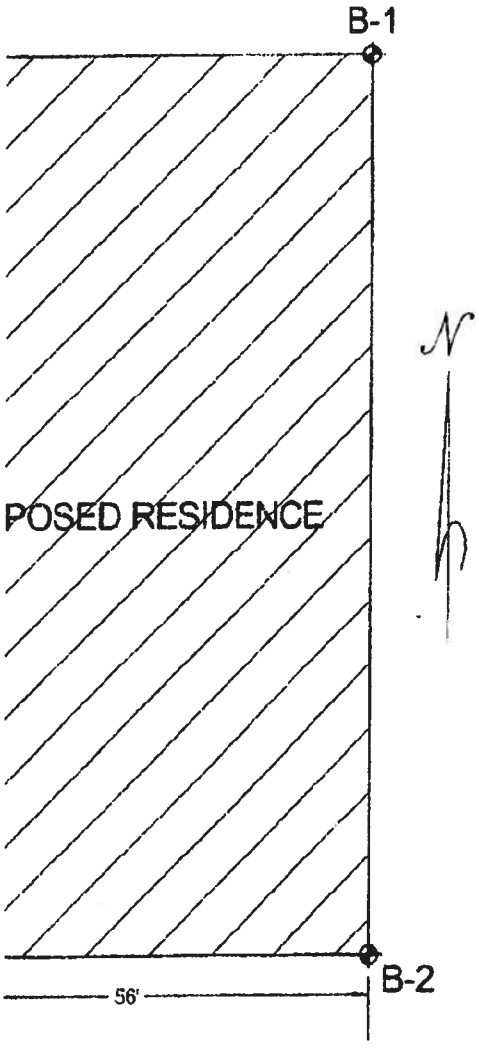
REVISIONS							NAMES	DATE
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DRAWN BY	S.C. Young	9/4/06
						CHECKED BY	J.C. Dorman	
						CHECKED BY		
						APPROVED BY	J.C. Dorman	
						CAL-TECH JOB NO.	06-520	

ENGINEER OF RECORD
CAL- TECH TESTING, INC.
P.O. BOX 1625
LAKE CITY, FL. 32056
PHONE NO. (386) 755-3633
FAX NO. (386) 752-5456

B-3

Water Table: N/A

Depth (ft)	Soil Description	N
0 ft	Tan Sand (SP)	
		3
	Very Loose, Orangish Tan, Clayey Sand (SC)	1
5 ft		2
	Loose, Tan, Very Clayey Sand (SC)	5
	Stiff, Greyish Tan and Orange, Sandy Clay (CL)	9
	Stiff, Tan, Sandy Clay (CL)	11
10 ft	TOB	



ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (Blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS-

Consistency	SPT (Blows/12 Inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

TOB	Termination of Boring
GSE	Ground Surface Elevation
▽	Ground Water at Time of Drilling
V	Wet Season Water Table
N	Standard Penetration Resistance In Blows Per 12 inches (18- Inch Spoon, ASTM D-1586)
WOR	Weight of Rod
WOH	Weight of Hammer
MC	Moisture Content (%)
OC	Organic Content (%)
-200	Percent Passing No. 200 U.S. Standard Sieve
LL	Liquid Limit
PI	Plasticity Index
(SP)	Unified Soil Classification Based on Visual Observation and Laboratory Tests

SAND | SILTY SAND
SAND with SILT | CLAYEY SAND
SAND with CLAY | SANDY CLAY
CLAY | LIMESTONE
MARL | ORGANICS

SEAL

JOHN C. DORMAN, JR.
P.E. 52612

PROPOSED RIOPELLE RESIDENCE

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D
	COLUMBIA	

REPORT OF SOIL BORINGS

SHEET NO.
1 of 1

Joe

CONFIDENTIAL

Fax Cover Sheet

From: **Gulf Steel, Inc.**
Richard E. Gavaletz, Sr., President
P.O. Box 1710, Pensacola, FL 32591

Phone: 1-850-497-0301 (local) Fax: 1-850-497-0302

THIS FACSIMILE IS INTENDED FOR USE BY THE RECIPIENT ONLY
PLEASE DIRECT THE CONTENTS ACCORDINGLY

Recipient: John Kerce / Building Official

Of (company): Columbia County Building & Zoning Department

Phone: 386-758-1008 Fax: 386-758-2160

Regarding: Permit 000024882

Comments:

Letter from:

Richard E. Gavaletz, Sr.
Gulf Steel, Inc.

Number of pages including cover sheet: 3

Gulf Steel, Inc.
PO Box 1710
Pensacola, FL 32591

800-289-7944
fax 850-497-0302

September 7, 2006

Mr. John Kerce / Building Official
Columbia County Building & Zoning Department
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055

Re: Columbia County Building Permit # 000024882
Donny Williams / Contractor
Raymond Logan / Owner
Gulf Steel, Inc. Engineered plans SS-001, SS-002, SS-003, SS-004, SS-006 & SS-007

Dear Mr. Kerce:

The above referenced Gulf Steel jobs are for a project that Gulf Steel, Inc. is under contract to supply pre-engineered buildings for with Mr. Raymond Logan of Mini Storage of Columbia County in Lake City, Florida.

I met with your building inspector yesterday, Mr. Harry Dicks, to discuss certain aspects of this project and to make him aware of certain legal issues that have developed recently regarding this project. Upon your review and as pointed out to Mr. Dicks you will note that the cover page for this project contains a note directed to the appropriate building official that reads:

Note to building Official:
THESE PLANS ARE SUBMITTED BY THE CONTRACTOR FOR THE PURPOSE OF OBTAINING A BUILDING PERMIT. THIS BUILDING PACKAGE MUST BE SUPPLIED BY GULF STEEL IN ORDER TO ASSURE THE SUPPLYING OF REQUIRED COMPONENTS SIZES, SHAPES, GAUGE AND GRADE OF STEEL NEEDED TO MEET DESIGN LOAD REQUIREMENTS

Please be aware that the owner of this project, Raymond Logan of Mini Storage of Columbia County, has chosen to acquire a building permit, through Donny Williams, his contractor, to build this project but has chosen to initiate the cancellation of the contractual agreement with Gulf Steel, Inc.

As the president of Gulf Steel, Inc., a Florida Corporation, it is my position that the plans submitted to the building department for this project be immediately withdrawn for use on this project which includes but is not limited to Columbia County Building Permit #000024882, for

the construction of a concrete slab, Building-1 as well as any other permits that may have been issued utilizing the subject sealed plans provided by Gulf Steel, Inc.

This action is being taken due to the fact that the buildings ***could*** be constructed using inferior materials that do not meet minimum specifications in order to meet the appropriate design loads as outlined in the Florida Building Code. Furthermore, Gulf Steel, Inc. is under contract to supply building packages and not simply just the plans. As you may or may not be aware, this exposes Gulf Steel, Inc. and Gulf Steel's engineer of record, Mr. Chander Nangia, to a liability we are not willing to accept. This includes all concrete work, such as that under your permit number **000024882** as it is part of the project drawings and therefore is inclusive in this decision. Your acknowledgment of taking the appropriate actions on this matter is greatly appreciated

Sincerely,

Richard E. Gavaletz, Sr.
President
Gulf Steel, Inc.

Cc: Chander Nangia, PE
Raymond Logan
Terry McDavid, PA

COLUMBIA COUNTY BUILDING DEPARTMENT
Application 0607-21

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

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 **X**

Square footage of different areas shall be shown on plans. **X**

Wind-load Engineering Summary, calculations and any details required none provider see note in letter

Basic wind speed (3-second gust), miles per hour (km/hr)

Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.

Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.

The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient components and cladding.

The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specially designed by the registered design professional

Elevations including:

All sides **OK**

Roof pitch OK

Overhang dimensions and detail with attic ventilation OK

Location, size and height above roof of chimneys OK

Location and size of skylights NONE

Building height 23'1"

Number of stories TWO

Floor Plan including:

Rooms labeled and dimensioned. YES

Shear walls identified. ON FOUNDATION PLAN

Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).** **No see note in letter**

Show safety glazing of glass, where required by code. **Bath room #2 noncompliance**

Identify egress windows in bedrooms, and size. **Not shown on plans**

Fireplace (gas vented), (gas non-vented) or wood burning with hearth **OK**

Stairs with dimensions (width, tread and riser) and details of guardrails and handrails **Not Shown**

Must show and identify accessibility requirements (accessible bathroom) **Bathroom #2**

Foundation Plan including:

Location of all load-bearing walls with required footings indicated as standard or monolithic and dimensions and reinforcing.**ER-6**

All posts and/or column footing including size and reinforcing **ER-6**

Any special support required by soil analysis such as piling See note for 2,500 Psf

Location of any vertical steel **None**

Roof System:

Truss package including: No seal No floor truss plans

Truss layout and truss details signed and sealed by Fl. Pro. Eng.

Roof assembly (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Floor truss layout and truss details signed and sealed by Fl. Pro Eng No seal No floor truss plans

Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) **Yes**

Conventional Framing Layout including:

Rafter size, species and spacing

Attachment to wall and uplift

Ridge beam sized and valley framing and support details

Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

Masonry wall first floor

All materials making up wall **Yes**

Block size and mortar type with size and spacing of reinforcement **Yes**

Lintel, tie-beam sizes and reinforcement **Yes**

Gable ends with rake beams showing reinforcement or gable truss and wall bracing details See Wood Detail Second Floor

All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.

Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)

Fire resistant construction (if required)

Fireproofing requirements

Show type of termite treatment (termiticide or alternative method) Foundation Notes on plans

Slab on grade

Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Foundation Notes on plans

Slab on grade

Must show control joints, synthetic fiber reinforcement or

Welded fire fabric reinforcement and supports **YES**

Indicate where pressure treated wood will be placed **Yes**

Provide insulation R value for the following:

Attic space

Exterior wall cavity **Yes**

Crawl space (if applicable)

Wood frame wall

All materials making up wall **Second Floor**

Size and species of studs

Sheathing size, type and nailing schedule

Headers sized

Gable end showing balloon framing detail or gable truss and wall hinge bracing detail

All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.

Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Fire resistant construction (if applicable)

Fireproofing requirements

Show type of termite treatment (termiticide or alternative method)

Slab on grade

Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed

Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports

Indicate where pressure treated wood will be placed

Provide insulation R value for the following:

Attic space

Exterior wall cavity

Crawl space (if applicable)

Metal frame wall and roof (designed, signed and sealed by Florida Pro .Engineer or Architect)

Floor Framing System:

Floor truss package including layout and details, signed and sealed by Florida Registered

Professional Engineer

Floor joist size and spacing

Girder size and spacing See note 8

Attachment of joist to girder

Wind load requirements where applicable

Electrical layout including:

Switches, outlets/receptacles, lighting and all required GFCI outlets identified

Ceiling fans

Smoke detectors

Service panel and sub-panel size and location(s) and overcurrent disconnect exterior of dwelling

Meter location with type of service entrance (overhead or underground) See note 9

Appliances and HVAC equipment

Arc Fault Circuits (AFCI) in bedrooms

Exhaust fans in bathroom

HVAC information

Energy Calculations (dimensions shall match plans) See note 10

Manual J sizing equipment or equivalent computation

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice of Commencement Required Before Any Inspections Will Be Done

Private Potable Water

Size of pump motor See note 12

Size of pressure tank

Cycle stop valve if used

permit 24974

Dear county

Just wighting to see if we can get another few months were so close to being done and thank you

Ed & Sue Ruppelt

Columbia County Building permit

Edward & susie Riopelle
386-497-2732

permit number
000024974

WE are Building A House and we haven't finsh it yet we need Alittle more time please.,
Thank you

Ed & Sue Riopelle
807 SW QUARRY CIR
Fortwhite Fl 32038

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 02-7S-16-04111-110 **Building permit No.** 000024974

Use Classification SFD,UTILITY **Fire:** 48.84

Permit Holder OWNER BUILDER **Waste:** 67.00

Owner of Building EDWARD & SUE RIOPELLE **Total:** 115.84

Location: 807 SW QUARRY CIRCLE, FT. WHITE, FL

Date: 06/23/2008

Harry Dicks

Did not pay 11/12/08

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

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 21-4S-16-03084-014 **Building permit No.** 000024975

Use Classification MOTHER-IN-LAW SUITE **Fire:** 0.00

Permit Holder J.L. DUPREE,JR. **Waste:**

Owner of Building DENNIS & TAMMY MORSE **Total:** 0.00

Location: 259 SW MELON COURT, LAKE CITY, FL

Date: 12/14/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 600A-04 — Residential Whole Building Performance Method A — CENTRAL 4 5 6

PROJECT NAME AND ADDRESS:	Susie Riopelle 807 SW Quarry Fort white 32038	BUILDER: Black Ball Const ink	
		PERMITTING OFFICE:	CLIMATE ZONE: 4 ☐ 5 ☐ 6 ☐
OWNER:	Ed & SUE Riopelle	PERMIT NO.:	JURISDICTION NO.:

		Please Type	CK
1.	New construction or addition	1. New	
2.	Single-family detached or Multiple-family attached	2. Single	
3.	If Multiple-family–No. of units covered by this submission	3. —	
4.	Is this a worst case? (yes/no)	4. yes	
5.	Conditioned floor area (sq. ft.)	5. 6114 sq. ft.	
6.	Predominant eave overhang (ft.)	6. 1 ft.	
7.	Glass type[1] and area: (Label required by 13-104.4.5 if not default)	Description / Area	
	a. *U*-factor: (or Single- or Double-Pane DEFAULT)	7a. _____ _____ sq. ft.	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. 398 _____ sq. ft.	
8.	Floor type and insulation:		
	a. Slab-on-grade (*R*-value + perimeter)	8a. R = 0 , 264 l. ft.	
	b. Wood, raised (*R*-value + sq. ft.)	8b. R = _____ , _____ sq. ft.	
	c. Concrete, raised (*R*-value)	8c. R = _____ , _____ sq. ft.	
9.	Net Wall type, area and insulation:		
	a. Exterior: 1. Concrete block (Insulation *R*-value)	9a-1 R = 5 , 1783 sq. ft.	
	2. Wood frame (Insulation *R*-value)	9a-2 R = 11 , 1521 sq. ft.	
	3. Steel frame (Insulation *R*-value)	9a-3 R = _____ , _____ sq. ft.	
	4. Log (Insulation *R*-value)	9a-4 R = _____ , _____ sq. ft.	
	5. Other: _____		
	b. Adjacent: 1. Concrete block (Insulation *R*-value)	9b-1 R = _____ , _____ sq. ft.	
	2. Wood frame (Insulation *R*-value)	9b-2 R = _____ , _____ sq. ft.	
	3. Steel frame (Insulation *R*-value)	9b-3 R = _____ , _____ sq. ft.	
	4. Log (Insulation *R*-value)	9b-4 R = _____ , _____ sq. ft.	
10.	Ceiling type, area and insulation:		
	a. Under attic (Insulation *R*-value)	10a. 30 3677 sq. ft.	
	b. Single assembly (Insulation *R*-value)	10b. _____ _____ sq. ft.	
	c. Radiant barrier, IRCC or white roof installed?	10c. _____	
11.	Air distribution system:		
	a. Ducts (Insulation + Location)	11a. R = 6 , UAC (cond./uncond.)	
	b. Air Handler (Location)	11b. R = 6 , Cool (cond./uncond.)	
12.	Cooling system:	12a. Type: Central	
	(Types: central-split, central-single pkg., room unit, PTAC, gas, none)	12b. SEER/EER/COP: 13.06	
		12c. Capacity: 84000	
13.	Heating system:	13a. Type: HP	
	(Types: heat pump, elec. strip, nat. gas, LP Gas, gas h.p., room or PTAC, none)	13b. HSPF/COP/AFUE: 7.7	
		13c. Capacity: 80,000	
14.	Hot water system:	14a. Type: Elec	
	(Types: elec., natural gas, solar, LP gas, none)	14b. EF: 97	
15.	Hot water credits	15a. _____	
	a. Heat Recovery (HR)	15b. _____	
	b. Dedicated Heat Pump (DHP)	15c. _____	
	c. Solar		
16.	HVAC credits	16. MZ	
	(Use: CF-Ceiling Fan, CV-cross vent, PT-programmable thermostat, HF-whole house fan, MZ-Multizone)		
17.	COMPLIANCE STATUS: (PASS if As-Built Pts. Are less than Base Pts.)	17. PASS	
	a. Total As-Built Points b. Total Base Points	17a. 43035 17b. 70537	

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

PREPARED BY: Andy Maggio DATE: 4-5-06

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

OWNER AGENT: _____ DATE: _____

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

BUILDING OFFICIAL: _____

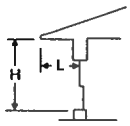
DATE: _____

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

SUMMER CALCULATIONS

CLIMATE ZONES 4 5 6

GLASS



OVERHANG RATIO = OH LENGTH / OH HEIGHT

ORIENTATION	OVERHANG LENGTH OH (FEET)	GLASS AREA (SQ. FT.)	SINGLE-PANE SUMMER POINT MULTIPLIER CLEAR	SINGLE-PANE SUMMER POINT MULTIPLIER TINT[2]	DOUBLE-PANE SUMMER POINT MULTIPLIER CLEAR	DOUBLE-PANE SUMMER POINT MULTIPLIER TINT[2]	SUMMER OH FACTOR (from 6A-1)	AS-BUILT GLASS SUMMER PTS
N	6	86.95	30.19	24.46	26.25	20.63	.776	1650
NE			47.10	38.88	40.99	32.90		
E	6	81.7	63.97	53.27	55.69	45.16	.622	2707
SE			61.07	50.80	53.20	43.09		
S	6	97.7	48.22	39.84	41.92	33.69	.616	2398
SW			56.99	47.31	49.60	40.08		
W	1	63	57.68	47.90	50.22	40.60	.954	3000
NW			40.72	33.43	35.45	28.29		
[1]H			109.69	89.83	96.56	77.00		
N	1	18.6		24.46			.952	451
S	1	50.		35.84			.988	1968

	.18 X	COND. FLOOR AREA	X	WEIGHTED GLASS MULTIPLIER	=	BASE GLASS SUBTOTAL
GLASS	.18	6114		25.78		28371

AS-BUILT GLASS SUBTOTAL: 12174

	COMPONENT DESCRIPTION	AREA	X	BASE SUMMER POINT MULT	=	BASE SUMMER POINTS
WALL	EXTERIOR	1783		1.9		3388
	ADJACENT			.7		
	Exterio	1521		1.7		2850
DOORS	EXTERIOR	20		4.8		96
	ADJACENT			1.6		
CEILING	UNDER ATTIC OR SINGLE ASSEMBLY	3677		2.13		7832
FLOOR	SLAB (PERIMETER)	264		-31.8		-8395
	RAISED (AREA)			-3.43		
	INFILTRATION & INTERNAL GAINS	6114		14.31		87491

BASE CEILING AREA EQUALS FLOOR AREA DIRECTLY UNDER CEILING, AS-BUILT CEILING AREA EQUALS ACTUAL CEILING SQUARE FOOTAGE.

FOR SLAB-ON-GRADE USE PERIMETER LENGTH AROUND CONDITIONED FLOOR. FOR RAISED FLOORS USE AREA OVER UNCONDITIONED SPACE.

USE TOTAL FLOOR AREA OF CONDITIONED SPACE.

TOTAL COMPONENT BASE SUMMER POINTS: 121673

	COMPONENT DESCRIPTION	AREA	SUMMER POINT MULT. (6A-2 THRU 6A-6)	= AS-BUILT SUMMER POINTS
WALL		1783	1.0	1783
	EXTERIO	1521	1.9	2850
DOORS		20	4.8	96
CEILING	RBS/IRCC/white roof[3]	3677	2.13 x___	7832
FLOOR		264	-31.9	-8422
		6114	14.31	87491

TOTAL COMPONENT AS-BUILT SUMMER POINTS: 103844

COOLING SYSTEM	Base Cooling System Multiplier	X	Total Base Summer Points	=	BASE COOLING POINTS
	.43		121673		52319

TOTAL AS-BUILT SUM. PTS.	X As-Built DM (6A-8)	X As-Built DSM (6A-20)	X As-Built AHU (6A-7)	X As-Built CSM (6A-9)	X As-Built CCM (6A-19)	= AS-BUILT COOLING POINTS
103844	1.087	1+15 or 1.0	.90	.28	.95	27023

HOT WATER SYSTEM	Number of Bedrooms	X	Base Hot Water Multiplier	=	BASE HOT WATER POINTS
	4		2460		9840

AS-BUILT HOT WATER SYSTEM DESC.	Number of Bedrooms	X As-Built HWM (6A-22)	X As-Built HWCM (6A-23)	= AS-BUILT HOT WATER POINTS
	4	2326		9304

[1]H = HORIZONTAL GLASS (SKYLIGHTS)

[2] FOR GLASS WITH KNOWN SHGC, SEE SECTION 2.1.1 APPENDIX C. TINT MULTIPLIERS MAY BE USED FOR GLASS WITH SOLAR SCREENS, FILM, OR TINT.

[3]MUST MEET CRITERIA OF S.607.1A.

SUMMER POINT MULTIPLIERS (SPM)

CLIMATE ZONES 4 5 6

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

SELECT BY OR

OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
North	1.00	0.992	0.971	0.931	0.891	0.848	0.811	0.776	0.748	0.695	0.651	0.611
Northeast	1.00	0.995	0.966	0.908	0.846	0.777	0.719	0.665	0.623	0.549	0.491	0.445
East	1.00	0.993	0.964	0.903	0.835	0.755	0.687	0.622	0.571	0.482	0.414	0.463
Southeast	1.00	0.999	0.956	0.871	0.786	0.700	0.635	0.580	0.540	0.478	0.436	0.407
South	1.00	0.988	0.935	0.849	0.776	0.708	0.659	0.618	0.588	0.539	0.503	0.475
Southwest	1.00	0.997	0.956	0.874	0.793	0.709	0.645	0.588	0.547	0.479	0.431	0.396
West	1.00	0.994	0.964	0.902	0.834	0.757	0.691	0.630	0.582	0.500	0.438	0.391
Northwest	1.00	0.995	0.966	0.911	0.857	0.798	0.751	0.708	0.674	0.616	0.570	0.532
OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-2 WALL SUMMER POINT MULTIPLIERS (SPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
	WOOD		STEEL			INTERIOR INSULATION		EXT. INSUL.	R-VALUE	WOOD FR	R-VALUE	BLOCK		6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	0-6.9	2.9	0-2.9	1.0	R-VALUE	EXT	EXT
0-6.9	6.4	2.2	8.9	2.9	0-2.9	2.5	.9	2.5	7-10.9	.6	3-6.9	.6	0-2.9	1.7	1.0
7-10.9	2.3	.8	4.1	1.3	3-4.9	1.4	.7	.7	11-18.9	.4	7-9.9	.4	3-6.9	1.1	.8
11-12.9	1.9	.7	3.0	1.0	5-6.9	1.0	.6	.3	19-25.9	.2	10 & UP	.2	7 & UP	.8	.7
13-18.9	1.7	.6	2.8	0.9	7-10.9	.8	.4	.1	26 & UP	.1					
19-25.9	1.0	.3	2.4	0.8	11-18.9	.4	.3	0							
26 & UP	.6	.2	1.3	0.4	19-25.9	.2	.2								
					26 & Up	.1	.1								

NOTE: SEE SECTION 2.0 OF APPENDIX C FOR MULTIPLIERS OF ENVELOPE COMPONENTS NOT ON THIS FORM.

6A-3 DOOR SUMMER POINT MULTIPLIERS (SPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	7.2	2.4
INSULATED	4.8	1.6

6A-4 CEILING SUMMER POINT MULTIPLIERS (SPM)

UNDER ATTIC		SINGLE ASSEMBLY		CONCRETE DECK ROOF		
					CEILING TYPE	
R-VALUE	SPM	R-VALUE	SPM	R-VALUE	EXPOSED	DROPPED
19-21.9	2.82	10-10.9	10.27	10-13.9	11.13	10.40
22-25.9	2.55	11-12.9	9.73	14-20.9	8.42	7.99
26-29.9	2.28	13-18.9	8.72	21 & UP	5.99	5.76
30-37.9	2.13	19-25.9	6.90			
38 & UP	1.84	26-29.9	5.82			
RBS Credit	0.700	30 & Up	5.40			
IRCC Credit	0.864					
White Roof Credit	0.550					

6A-5 FLOOR SUMMER POINT MULTIPLIERS (SPM)

SLAB-ON-GRADE EDGE INSULATION		RAISED CONCRETE		RAISED WOOD			
					POST OR PIER CONSTRUCTION	STEM WALL w/UNDER FLOOR INSULATION	ADJACENT
R-VALUE	SPM	R-VALUE	SPM	R-VALUE	SPM	SPM	SPM
0-2.9	-31.9	0-2.9	-1.0	0-6.9	4.50	-5.8	5.3
3-4.9	-31.8	3-4.9	-1.7	7-10.9	2.28	-2.8	2.1
5-6.9	-31.7	5-6.9	-1.7	11-18.9	1.83	-2.2	1.8
7 & UP	-31.6	7 & UP	-1.7	19 & UP	1.36	-1.8	1.0

6A-6 INFILTRATION & INTERNAL GAINS (SPM)

Air Infiltration	5.17
Internal Gains	49.14
Infiltration/Internal Gains (Combined)	14.31

6A-7 AIR HANDLER MULTIPLIERS (SPM)

Located in garage	1.00
Located in conditioned area	0.90
Located on exterior of building	1.02
Located in attic	1.10

6A-8 DUCT MULTIPLIERS (DM) See Table 13-610.1.ABC.2.1 for Code minimums.

SUPPLY DUCTS IN:	DUCT R-VALUE	RETURN DUCTS In:				
		Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ White roof	Conditioned space
Unconditioned Space	4.2	1.113	1.107	1.108	1.107	1.103
	6.0	1.087	1.081	1.083	1.081	1.079
	8.0	1.069	1.064	1.065	1.064	1.062
Attic/Radiant Barrier (RBS)	4.2	1.072	1.066	—	—	1.061
	6.0	1.056	1.051	—	—	1.047
	8.0	1.045	1.041	—	—	1.038
Attic/Interior Radiation Control Coatings (IRCC)	4.2	1.098	—	1.092	—	1.084
	6.0	1.076	—	1.071	—	1.065
	8.0	1.060	—	1.057	—	1.052
Attic/White Roof	4.2	1.069	—	—	1.063	1.058
	6.0	1.052	—	—	1.047	1.044
	8.0	1.041	—	—	1.037	1.034
Conditioned Space	4.2	1.006	1.005	1.007	1.003	1.000
	6.0	1.005	1.004	1.005	1.002	1.000
	8.0	1.004	1.003	1.004	1.002	1.000

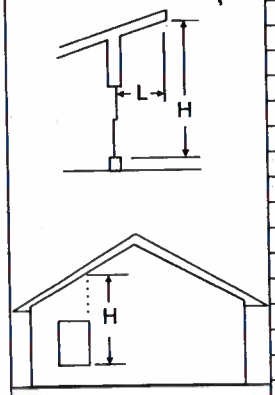
6A-9 COOLING SYSTEM MULTIPLIERS (CSM)

SYSTEM TYPE See Table 13-907.1.ABC.3.2 A,B,D for code minimums		COOLING SYSTEM MULTIPLIERS (CSM)										
Central Units (SEER)	Rating		7.5-7.9	8.0-8.4	8.5-8.8	8.9-9.4	9.5-9.9	10.0-10.4	10.5-10.9	11.0-11.4	11.5-11.9	12.0-12.4
	CSM		.45	.43	.40	.38	.36	.34	.32	.31	.30	.28
PTAC & Room Units (EER)	Rating	12.5-12.9	13.0-13.4	13.5-13.9	14.0-14.4	14.5-14.9	15.0-15.4	15.5-15.9	16.0-16.4	16.5-16.9	17.0-17.4	17.5 & UP
	CSM	.27	.26	.25	.24	.24	.23	.22	.21	.21	.20	.19

WINTER CALCULATIONS

CLIMATE ZONES 4 5 6

GLASS



ORIENTATION	OVERHANG LENGTH OH (FEET)
N	6
NE	
E	6
SE	
S	6
SW	
W	1
NW	
[1]H	
N	1
S	1

GLASS AREA (SQ. FT.)	SINGLE-PANE WINTER POINT MULTIPLIER CLEAR	SINGLE-PANE WINTER POINT MULTIPLIER TINT[2]	DOUBLE-PANE WINTER POINT MULTIPLIER CLEAR	DOUBLE-PANE WINTER POINT MULTIPLIER TINT[2]	WINTER OH FACTOR (from 6A-10)	AS-BUILT GLASS WINTER PTS
86.95	15.07	15.38	11.00	11.29	.992	1329
	14.70	15.07	10.70	11.04		
81.7	12.37	13.04	8.82	9.46	1.106	1178
	10.59	11.49	7.31	8.18		
97.7	9.90	10.88	6.74	7.70	1.862	1660
	11.59	12.36	8.12	8.86		
63	13.25	13.80	9.55	10.07	.999	869
	14.97	15.30	10.91	11.21		
	14.78	15.61	10.20	11.01		
18.6		15.38			.998	266
50.0		10.88			.994	541

AS-BUILT GLASS SUBTOTAL: 5861

	.18 X COND. FLOOR AREA	X WEIGHTED GLASS MULTIPLIER	= BASE GLASS SUBTOTAL
GLASS	.18 X 6114	X 5.86	= 6449

	COMPONENT DESCRIPTION	AREA	BASE WINTER POINT MULT.	BASE WINTER POINTS
WALL	EXTERIOR	1783	2.0	3566
	ADJACENT		1.8	
		1521	2.0	3042
DOORS	EXTERIOR	20	5.1	102
	ADJACENT		4.0	
CEILING	UNDER ATTIC OR SINGLE ASSEMBLY	3677	0.64	2353
FLOOR	SLAB (PERIMETER)	264	-1.9	-502
	RAISED (AREA)		-.2	
INFILTRATION & INTERNAL GAINS		6114	-0.28	-1712

	COMPONENT DESCRIPTION	AREA X	WINTER POINT MULT. (6A-11 THRU 6A-15)	= AS-BUILT WINTER POINTS
WALL		1783	2.9	5171
		1521	2.0	3042
DOORS		20	5.1	102
CEILING	RBS/IRCC/white roof[3]	3657	.64 X___	2353
FLOOR		264	2.5	660
INFILTRATION & INTERNAL GAINS		6114	-0.28	-1712

TOTAL COMPONENT BASE WINTER POINTS: 13298

TOTAL COMPONENT AS-BUILT WINTER POINTS: 15477

HEATING SYSTEM	Base Heating System Multiplier X	Total Base Winter Points =	BASE HEATING POINTS
	.63	13298	8378

TOTAL AS-BUILT WIN. PTS.	As-Built DM X (6A-17)	As-Built DSM X (6A-20)	As Built AHU X (6A-16)	As Built HSM X (6A-18)	As Built HCM = (6A-21)	AS-BUILT HEATING POINTS
15477	1.078	~~1.16~~ or 1.0	.92	.46	.95	6708

TOTAL	BASE COOLING POINTS (From P. 2) +	BASE HEATING POINTS +	BASE HOT WATER POINTS (From P. 2) =	TOTAL BASE POINTS (Enter on P. 1)
	52315	8378	9840	70537

AS-BUILT COOLING POINTS (From P. 2)	+ AS-BUILT HEATING POINTS	+ AS-BUILT HOT WATER POINTS (From P. 2)	= TOTAL AS-BUILT POINTS (Enter on P. 1)
27023	6708	9304	43035

[1]H = HORIZONTAL GLASS (SKYLIGHTS)

[2]FOR GLASS WITH KNOWN SHGC, SEE SECTION 2.1.1 APPENDIX C. TINT MULTIPLIERS MAY BE USED FOR GLASS WITH SOLAR SCREENS, FILM, OR TINT.

[3]MUST MEET CRITERIA OF S.607.1A.

WINTER POINT MULTIPLIERS (WPM)

CLIMATE ZONES 4 5 6

6A-10 WINTER OVERHANG FACTORS (WOF)

SELECT BY OR	OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
▶	North	1.00	0.998	0.996	0.995	0.995	0.994	0.993	0.992	0.990	0.988	1.986	0.984
	Northeast	1.00	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000
	East	1.00	1.005	1.010	1.020	1.034	1.055	1.078	1.106	1.133	1.198	1.264	1.320
	Southeast	1.00	1.010	1.025	1.058	1.102	1.167	1.238	1.324	1.407	1.596	1.783	1.939
	South	1.00	0.994	1.011	1.062	1.040	1.262	1.400	1.562	1.709	1.992	2.192	2.291
	Southwest	1.00	1.002	1.013	1.038	1.071	1.118	1.168	1.225	1.278	1.388	1.490	1.573
	West	1.00	0.999	1.003	1.013	1.025	1.040	1.053	1.067	1.077	1.095	1.107	1.116
	Northwest	1.00	0.999	0.998	0.997	0.997	0.996	0.995	0.994	0.993	0.992	0.990	0.989
▶	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-11 WALL WINTER POINT MULTIPLIERS (WPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
	WOOD		STEEL			INTERIOR INSULATION		EXT. INSUL.	R-VALUE	WOOD FR	R-VALUE	BLOCK		6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	0-6.9	7.0	0-2.9	3.7	R-VALUE	EXT	EXT
0-6.9	6.8	5.3	9.4	6.7	0-2.9	6.0	3.1	6.0	7-10.9	2.1	3-6.9	2.6	0-2.9	2.2	1.2
7-10.9	2.5	2.1	4.4	3.3	3-4.9	3.8	2.3	2.8	11-18.9	1.7	7-9.9	1.8	3-6.9	1.2	.9
11-12.9	2.0	1.8	3.3	2.6	5-6.9	2.9	1.9	2.0	19-25.9	1.0	10 & UP	1.3	7 & UP	.9	.7
13-18.9	1.8	1.6	3.0	2.4	7-10.9	2.3	1.5	1.5	26 & UP	.6					
19-25.9	1.1	1.0	2.6	2.2	11-18.9	1.5	1.1	.8							
26 & UP	.7	.7	1.4	1.2	19-25.9	.8	.7								
					26 &UP	.5	.5								

NOTE: SEE SECTION 2.0 OF APPENDIX C FOR MULTIPLIERS OF ENVELOPE COMPONENTS NOT ON THIS FORM.

6A-12 DOOR WINTER POINT MULTIPLIERS (WPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	7.6	5.9
INSULATED	5.1	4.0

6A-13 CEILING WINTER POINT MULTIPLIERS (WPM)

UNDER ATTIC		SINGLE ASSEMBLY		CONCRETE DECK ROOF		
					CEILING TYPE	
R-VALUE	WPM	R-VALUE	WPM	R-VALUE	EXPOSED	DROPPED
19-21.9	.87	10-10.9	1.02	10-13.9	1.16	1.05
22-25.9	.78	11-12.9	.96	14-20.9	.83	.76
26-29.9	.69	13-18.9	.84	21 & UP	.54	.50
30-37.9	.64	19-25.9	.62			
38 & UP	.55	26-29.9	.50			
RBS Credit	0.850	30 & UP	.46			
IRCC Credit	0.905					
White Roof Credit	1.044					

6A-14 FLOOR WINTER POINT MULTIPLIERS (WPM)

SLAB-ON-GRADE EDGE INSULATION		RAISED CONCRETE		RAISED WOOD			
					POST OR PIER CONSTRUCTION	STEM WALL w/UNDER FLOOR INSULATION	ADJACENT
R-VALUE	WPM	R-VALUE	WPM	R-VALUE	WPM	WPM	WPM
0-2.9	2.5	0-2.9	4.0	0-6.9	2.49	1.8	5.3
3-4.9	-1.7	3-4.9	1.8	7-10.9	0.78	.7	2.1
5-6.9	-2.4	5-6.9	1.1	11-18.9	0.47	.5	1.8
7 & UP	-2.7	7 & UP	.8	19 & UP	0.14	.3	1.0

6A-15 INFILTRATION & INTERNAL GAINS (WPM)

Air Infiltration	0.87
Internal Gains	-1.15
Infiltration/Internal Gains (Combined)	-0.28

6A-16 AIR HANDLER MULTIPLIERS (WPM)

Located in garage	1.00
Located in conditioned area	0.92
Located on exterior of building	1.09
Located in attic	1.11

6A-17 DUCT MULTIPLIERS (DM) See Table 13-610.1.ABC.2.1 for Code minimums.

SUPPLY DUCTS IN:	DUCT R-VALUE	RETURN DUCTS In:				
		Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ White roof	Conditioned space
Unconditioned Space	4.2	1.107	1.098	1.100	1.102	1.092
	6.0	1.078	1.072	1.074	1.075	1.068
	8.0	1.061	1.056	1.057	1.058	1.052
Attic/Radiant Barrier (RBS)	4.2	1.076	1.067	—	—	1.059
	6.0	1.058	1.051	—	—	1.045
	8.0	1.046	1.041	—	—	1.036
Attic/Interior Radiation Control Coatings (IRCC)	4.2	1.097	—	1.088	—	1.077
	6.0	1.073	—	1.066	—	1.057
	8.0	1.057	—	1.052	—	1.045
Attic/White Roof	4.2	1.120	—	—	1.110	1.095
	6.0	1.088	—	—	1.081	1.070
	8.0	1.068	—	—	1.063	1.054
Conditioned Space	4.2	1.009	1.008	1.010	1.009	1.000
	6.0	1.007	1.006	1.007	1.007	1.000
	8.0	1.005	1.005	1.006	1.005	1.000

6A-18 HEATING SYSTEM MULTIPLIERS (HSM)

SYSTEM TYPE See Table 13-607.1.ABC.3.2BD. 13-608.1.ABC.3.2.E.F for Code minimums		HEATING SYSTEM MULTIPLIERS (HSM)							
Central Heat Pump Units	HSPF	6.40-6.79	6.80-6.89	6.90-7.39	7.40-7.89	7.90-8.39	8.40-8.89	8.9-9.39	9.4-9.89
	HSM	.53	.50	.49	.46	.43	.41	.38	.36
	HSPF	9.90-10.39	10.40-10.89	10.90-11.39	11.40-11.89	11.90-12.39	12.40 & UP		
	HSM	.34	.33	.31	.30	.29	.28		
PTHP	COP	2.50-2.69	2.70-2.89	2.90-3.09	3.10-3.29	3.30-3.49	3.50-3.69	3.70-3.89	3.90-4.19
	HSM	.40	.37	.34	.32	.30	.29	.27	.26

ADDITIONAL TABLES

CLIMATE ZONES 4 5 6

6A-19 COOLING CREDIT MULTIPLIERS

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

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

6A-20 AIR DISTRIBUTION SYSTEM CREDIT MULTIPLIERS

TYPE CREDIT	Prescriptive requirements	Multiplier
Air-tight Duct Credit[1]	610.1.A.1	1.00
Factory-sealed AHU Credit[2]	610.2.A.2.1	0.95

[1]Duct Sealing Multiplier (DSM) shall be 1.15 (summer) or 1.16 (winter) unless Air-tight Duct Credit is demonstrated by test report.
[2]Multiply Factory-sealed AHU Credit by summer (Table 6A-7) or winter (Table 6A-16) AHU multiplier. Insert total in the "As Built AHU" box on page 2 or 4.

6A-21 HEATING CREDIT MULTIPLIERS (HCM)

SYSTEM TYPE		HEATING CREDIT MULTIPLIERS (HCM)					
Programmable Thermostat	HCM	.95					
Multizone	HCM	.95					
Natural Gas	AFUE	.68-.72	.73-.77	.78-.82	.83-.87	.88-.92	.93 & Up
	HCM	.61	.56	.53	.50	.47	.44
LP-Gas	HCM	.77	.72	.67	.63	.60	.57

6A-22 HOT WATER MULTIPLIERS (HWM)

SYSTEM TYPE See Table 13-612.1.ABC.3.2 for code minimums		HOT WATER MULTIPLIERS (HWM)										
Electric Resistance	EF				.80-.81	.82-.83	.84-.85	.86-.87	.88-.90	.91-.93	.94-.96	.97 &Up
	HWM				2820	2752	2685	2624	2564	2479	2400	2326
Natural Gas	EF	.43-.47	.48-.49	.50-.51	.52-.53	.54-.55	.56-.57	.58-.59	.60-.61	.62-.63	.64-.65	.66 &Up
	HWM	2162	1936	1859	1787	1721	1660	1602	1549	1499	1452	1408
LP-Gas	HWM	2645	2368	2274	2186	2106	2031	1960	1895	1834	1776	1722
Ded. HP or Solar System with Tank	EF	1.0-1.49	1.5-1.99	2.0-2.49	2.5-2.99	3.0-3.49	3.5-3.99	4.0-4.49	4.5-4.99	5.0-Up		
	HWM	2256	1504	1128	902	752	645	564	501	451		

6A-23 HOT WATER CREDIT MULTIPLIERS (HWCM)

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

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

6A-24 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

B-1

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
		Greyish Tan Sand, Trace Limerock (SP)
	9	Loose, Tannish Grey Sand with Silt (SP/SM)
	9	Loose, Greyish Tan, Clayey Sand (SC)
5 ft	11	Stiff, Greyish Tan, Very Sandy Clay, Trace Limestone (CL)
	9	Stiff, Brown, Sandy Clay (CL)
	14	Medium Dense, Tannish Orange, Clayey Sand (SC)
	25	Medium Dense, Orangish Tan Sand with Clay (SP/SC)
10 ft		TOB

B-2

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
		Greyish Tan Sand with Silt (SP/SM)
	9	Loose, Light Tan Limerock
	6	Loose, Orangish Tan, Clayey Sand (SC)
5 ft	7	Medium Stiff, Greyish Tan, Sandy Clay (CL)
	4	
	10	Stiff, Tan, Grey and Orange, Sandy Clay (CL)
	11	Stiff, Grey, Tan and Orange, Sandy Clay (CL)
10 ft		TOB

B-3

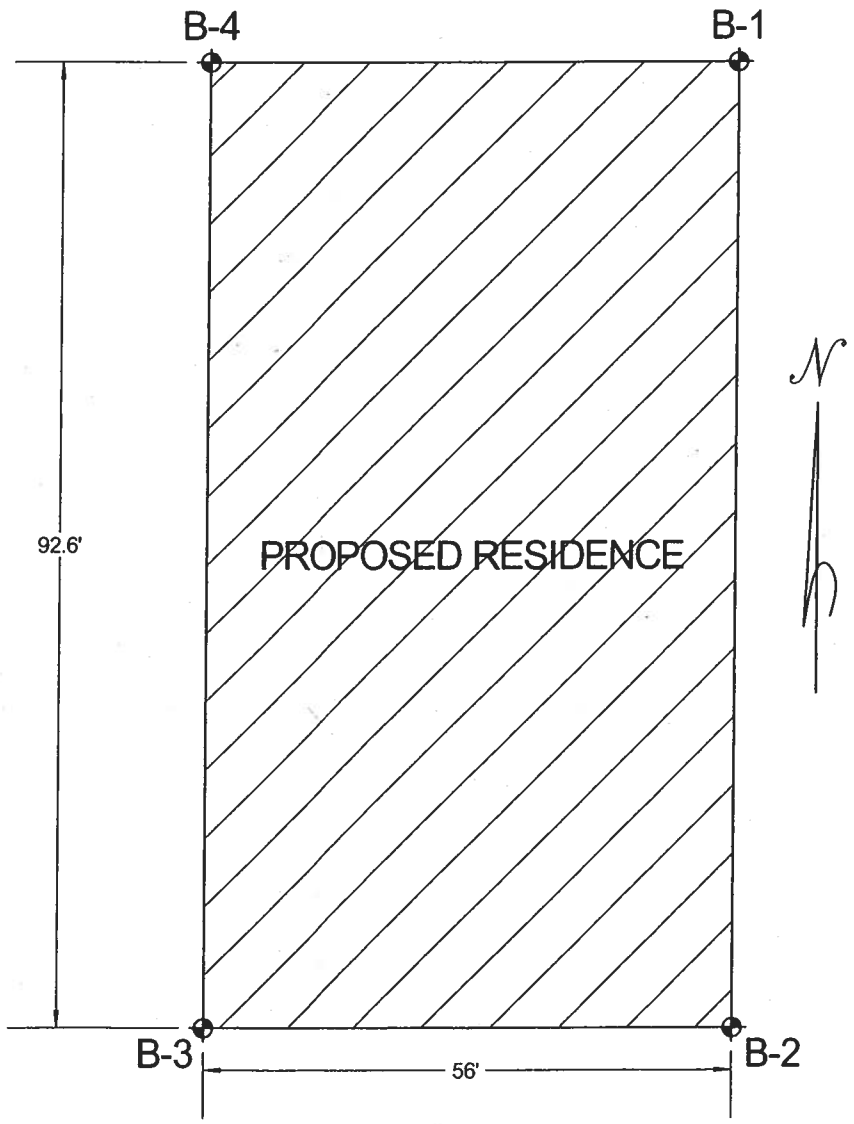
Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
		Tan Sand (SP)
	3	
	1	Very Loose, Orangish Tan, Clayey Sand (SC)
5 ft	2	
	5	Loose, Tan, Very Clayey Sand (SC)
	9	Stiff, Greyish Tan and Orange, Sandy Clay (CL)
	11	Stiff, Tan, Sandy Clay (CL)
10 ft		TOB

B-4

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
		Greyish Tan Sand with Silt (SP/SM)
	8	Loose, Tan Sand with Clay, Trace Limestone (SP/SC)
	8	
5 ft	9	
	23	Loose to Dense, Light Tan, Weathered Limestone
	42	
	12	
10 ft		TOB



ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (Blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS-

Consistency	SPT (Blows/12 inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

TOB	Termination of Boring
GSE	Ground Surface Elevation
▽	Ground Water at Time of Drilling
V	Wet Season Water Table
N	Standard Penetration Resistance in Blows Per 12 inches (18- inch Spoon, ASTM D-1586)
WOR	Weight of Rod
WOH	Weight of Hammer
MC	Moisture Content (%)
OC	Organic Content (%)
-200	Percent Passing No. 200 U.S. Standard Sieve
LL	Liquid Limit
PI	Plasticity Index
(SP)	Unified Soil Classification Based on Visual Observation and Laboratory Tests

SAND · SILTY SAND · SAND with SILT · CLAYEY SAND · SAND with CLAY · SANDY CLAY · CLAY · LIMESTONE · MARL · ORGANICS

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATE
DRAWN BY	S.C. Young	9/4/06
CHECKED BY	J.C. Dorman	
CHECKED BY		
APPROVED BY	J.C. Dorman	
CAL-TECH JOB NO.	06-520	

ENGINEER OF RECORD
CAL- TECH TESTING, INC.
P.O. BOX 1625
LAKE CITY, FL. 32056
PHONE NO. (386) 755-3633
FAX NO. (386) 752-5456

SEAL

JOHN C. DORMAN, JR.
P.E. 52612

PROPOSED RIOPELLE RESIDENCE

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	COLUMBIA	

REPORT OF SOIL BORINGS

SHEET NO.

1 of 1

Architectural Services and Engineering, Inc

24710 SR 54, Lutz, Fl 33559 Phone: 813-948-2812 EBO 7882

Engineering Index Sheet

Truss Fabricator: Builders First Source
Tampa, Fl 33619

Permit Number: _____ Lot Number: _____

Customer Info: _____ Address: _____

The Information in this box is for administrative purpsoes only and not part of the engineering review.

Software : MiTek Industries, Inc. Refer to sheets for version number.
Loading : Refer to sheets Typical Floor 55 psf, Typical Roof 37 psf

Job Number RIOPE Specification Quantity 30

A Professional Engineer's seal on to this Index Sheet indicates the acceptance of Professional Engineering responsibilities for individual truss components fabricated in accordance with the listed and attached Truss Specification Sheets. Determination as to the suitability of these individual truss components for any structure is the responsibility of the Building Designer, as defined in ANSI/TPI 1-2002, Section 2.2. Permanent files of the original Truss Specification Sheets are maintained by Architectural Services and Engineering, Inc. Questions regarding this Index Sheet and/or the attached Specification Sheets may be directed to the truss fabricator listed above .

Truss ID	Truss ID	Truss ID	Truss ID	Truss ID	Truss ID	Truss ID
AH11	CJ1					
AH13	CJ3					
AH15	CJ5					
AH17	EJ5					
AH19	EJ7					
AH21	HJ5					
AH7	HJ7					
AH9	MGR					
B	MH5					
BH11	MT					
BH13	PB					
BH15	PB1					
BH17	PB2					
BH19						
BH21						
BH7						
BH9						

8/9/24

ENGINEER OF RECORD
Not Specified

Robert W. Wall P.E.
F. Reg. 46021

B106-1978

Architectural Services and Engineering, Inc.

Florida
24710 State Road 54
Lutz, Florida 33559
1-813-948-2812 FAX : 1-813-949-2016
Florida engineering license CA 7882

Texas
3000 Sage Road, Suite 1374
Houston, Texas 77056
1-713-963-8840 FAX: 1-713-963-9840
Texas engineering license 95105

E-Mail: office@asande.com
Designers and engineers since 1965

TRUSS REVIEW COVER SHEET

Job Number	Date Received	Checked By	Date Checked
RIOPE RF	8.9.06	Ryan	8/9/06

☐ Hold (date) _____

☑ Number of Trusses 30

☐ Number of Raised Sealed Copies _____

☐ Number of Flat Sealed Copies _____

☑ Cover Sheet

3

BFS-TAMPA
Mailed daily. UPS GROUND only.

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	AH11	ROOF TRUSS	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:19 2006 Page 1

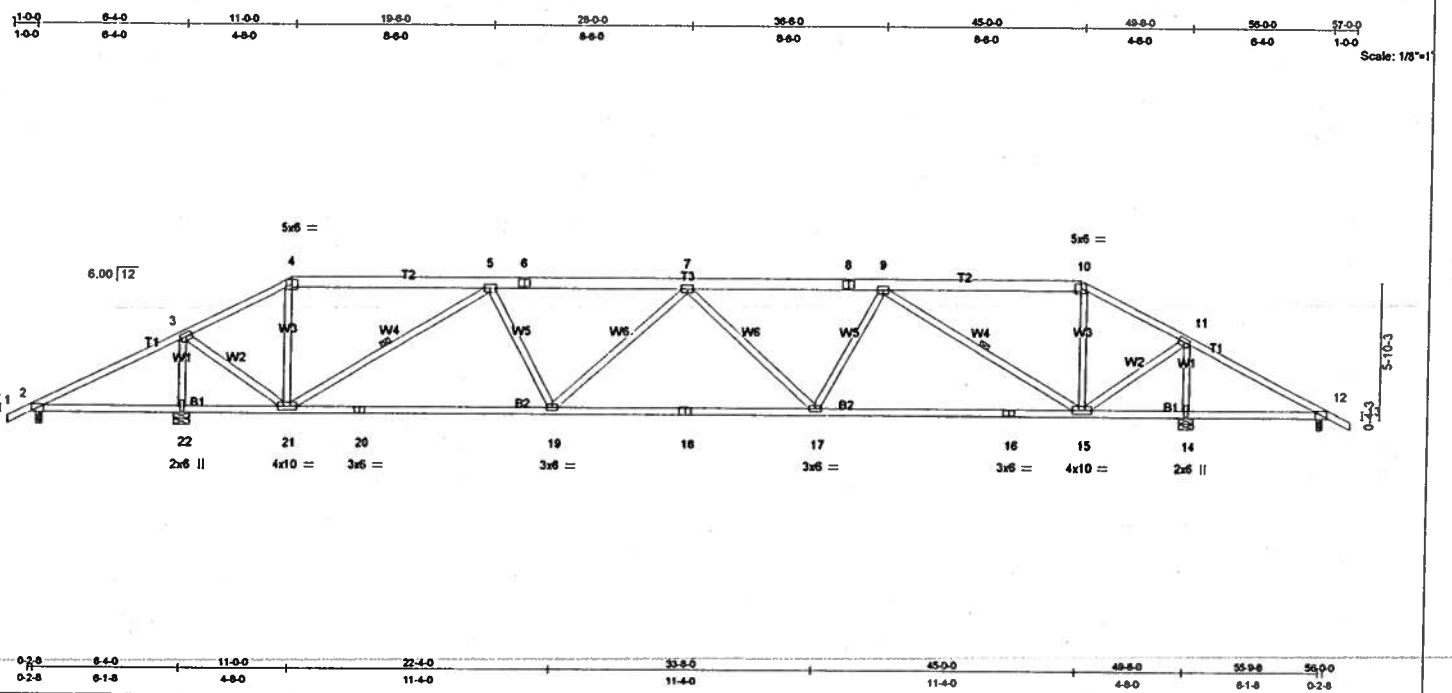


Plate Offsets (X,Y): [4:0-3-0,0-2-7], [10:0-3-0,0-2-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.32	19-21	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.86	19-21	>604	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.10	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 312 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

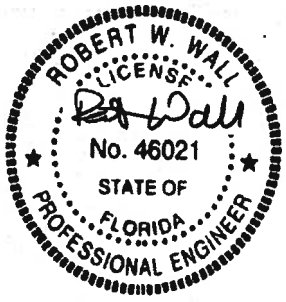
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-12 oc bracing.
WEBS 1 Row at midpt 5-21, 9-15

REACTIONS (lb/size) 22=2450/0-8-0, 14=2450/0-8-0, 2=-326/0-3-0, 12=-326/0-3-0
Max Horz2=-113(load case 7)
Max Uplift22=-1810(load case 5), 14=-1782(load case 4), 2=-480(load case 11), 12=-480(load case 10)
Max Grav22=2450(load case 1), 14=2450(load case 1), 2=262(load case 5), 12=268(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=1346, 3-4=-656, 4-5=-537, 5-6=-2271, 6-7=-2271, 7-8=-2271, 8-9=-2271, 9-10=-537, 10-11=-656, 11-12=1346, 12-13=23
BOT CHORD 2-22=-1122, 21-22=-1122, 20-21=2035, 19-20=2035, 18-19=2501, 17-18=2501, 16-17=2035, 15-16=2035, 14-15=-1122, 12-14=-1122
WEBS 3-22=-2334, 3-21=2031, 4-21=-58, 5-21=-1773, 5-19=514, 7-19=-320, 7-17=-320, 9-17=514, 9-15=-1773, 10-15=-58, 11-15=2031, 11-14=-2334

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1810 lb uplift at joint 22, 1782 lb uplift at joint 14, 480 lb uplift at joint 2 and 480 lb uplift at joint 12.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	AH13	ROOF TRUSS	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:20 2006 Page 1

PCL XL error

Subsystem: KERNEL

Error: MissingAttribute

Operator: SetSourceTxMode

Position: 149

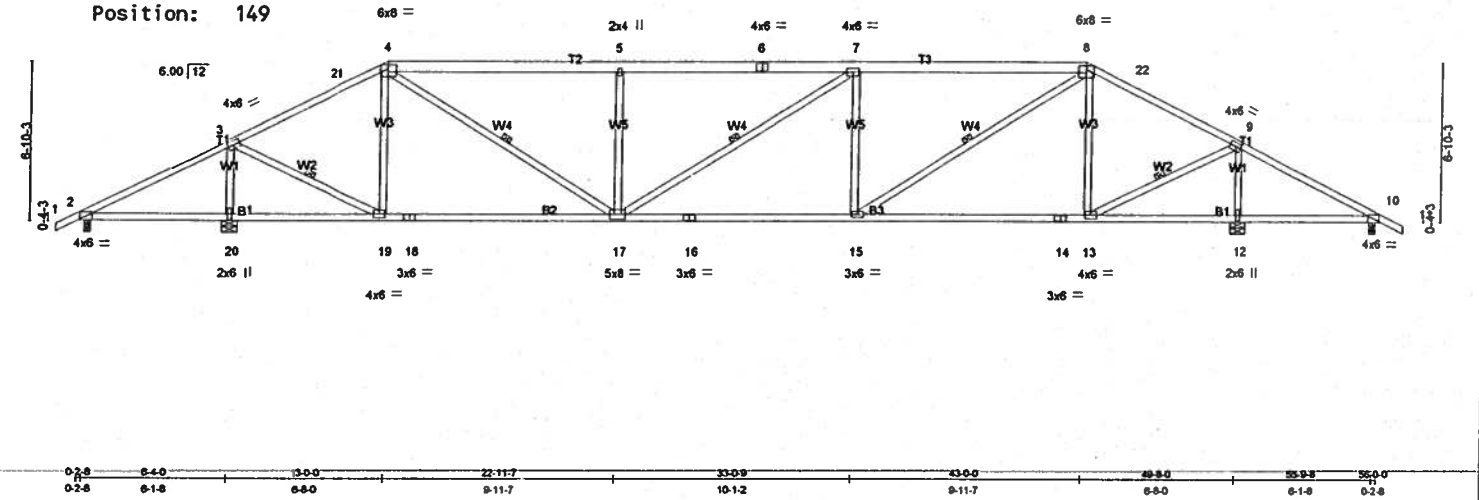


Plate Offsets (X,Y): [4:0-4-0,0-1-15], [8:0-4-0,0-1-15]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.51	Vert(LL) 0.24 15-17 >999 240	MT20 244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.76	Vert(TL) -0.56 13-15 >925 180	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.74	Horz(TL) 0.06 12 n/a n/a	
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)		Weight: 318 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T2 2 X 6 SYP No.2, T3 2 X 6 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-0-11 oc bracing.
WEBS 1 Row at midpt 3-19, 4-17, 7-17, 8-15, 9-13

REACTIONS (lb/size) 20=2188/0-8-0, 12=2195/0-8-0, 2=-65/0-3-0, 10=-71/0-3-0
Max Horz2=-115(load case 7)
Max Uplift20=-1564(load case 5), 12=-1526(load case 4), 2=-212(load case 11), 10=-217(load case 10)
Max Grav20=2188(load case 1), 12=2195(load case 1), 2=63(load case 5), 10=56(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=765, 3-21=-1288, 4-21=-1144, 4-5=-2289, 5-6=-2288, 6-7=-2288, 7-8=-2287, 8-22=-1140, 9-22=-1284, 9-10=777, 10-11=23
BOT CHORD 2-20=-603, 19-20=-603, 18-19=1100, 17-18=1100, 16-17=2286, 15-16=2286, 14-15=1097, 13-14=1097, 12-13=-614, 10-12=-614
WEBS 3-20=-2040, 3-19=1881, 4-19=-666, 4-17=1419, 5-17=-570, 7-17=2, 7-15=-570, 8-15=1421, 8-13=-669, 9-13=1889, 9-12=-2047

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1564 lb uplift at joint 20, 1526 lb uplift at joint 12, 212 lb uplift at joint 2 and 217 lb uplift at joint 10.

LOAD CASE(S) Standard

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	AH15	ROOF TRUSS	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:20 2006 Page 1

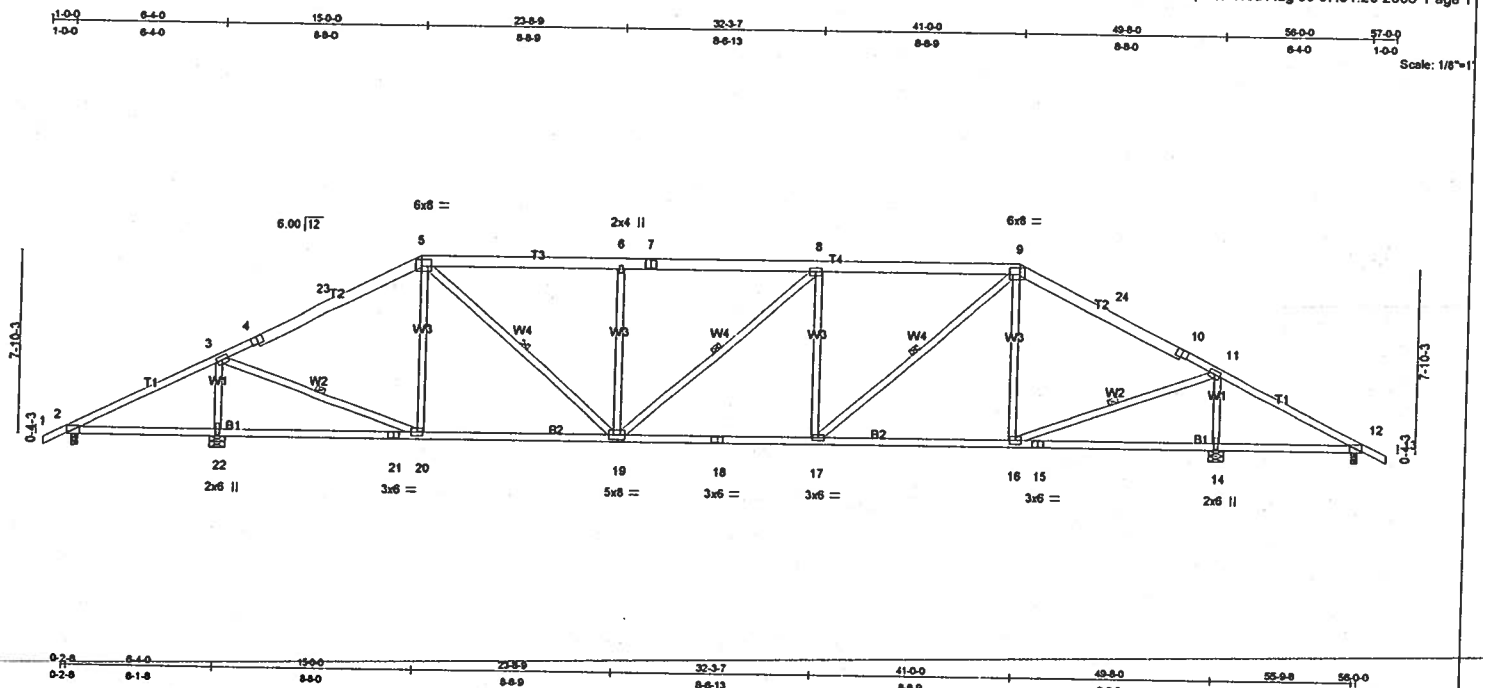


Plate Offsets (X,Y): [4:0-3-0,Edge], [5:0-5-4,0-3-8], [9:0-5-4,0-3-8], [10:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.20	19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.35	17-19	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.06	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 338 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-15 oc bracing.
WEBS 1 Row at midpt 3-20, 5-19, 8-19, 9-17, 11-16

REACTIONS (lb/size) 22=2013/0-8-0, 14=2012/0-8-0, 2=111/0-3-0, 12=111/0-3-0
Max Horz 2=-123(load case 4)
Max Uplift 22=-1382(load case 5), 14=-1335(load case 4), 2=-224(load case 6), 12=-266(load case 7)
Max Grav 22=2013(load case 1), 14=2012(load case 1), 2=119(load case 10), 12=119(load case 11)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=361, 3-4=-1669, 4-23=-1570, 5-23=-1552, 5-6=-2137, 6-7=-2137, 7-8=-2137, 8-9=-2137, 9-24=-1552, 10-24=-1570, 10-11=-1669, 11-12=361, 12-13=23
BOT CHORD 2-22=-243, 21-22=-243, 20-21=-243, 19-20=1402, 18-19=2137, 17-18=2137, 16-17=1402, 15-16=-243, 14-15=-243, 12-14=-243
WEBS 3-22=-1829, 3-20=1759, 5-20=-430, 5-19=968, 6-19=-458, 8-19=-0, 8-17=-458, 9-17=968, 9-16=-430, 11-16=1759, 11-14=-1828

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1382 lb uplift at joint 22, 1335 lb uplift at joint 14, 224 lb uplift at joint 2 and 266 lb uplift at joint 12.

LOAD CASE(S) Standard

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	AH17	ROOF TRUSS	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:21 2006 Page 1

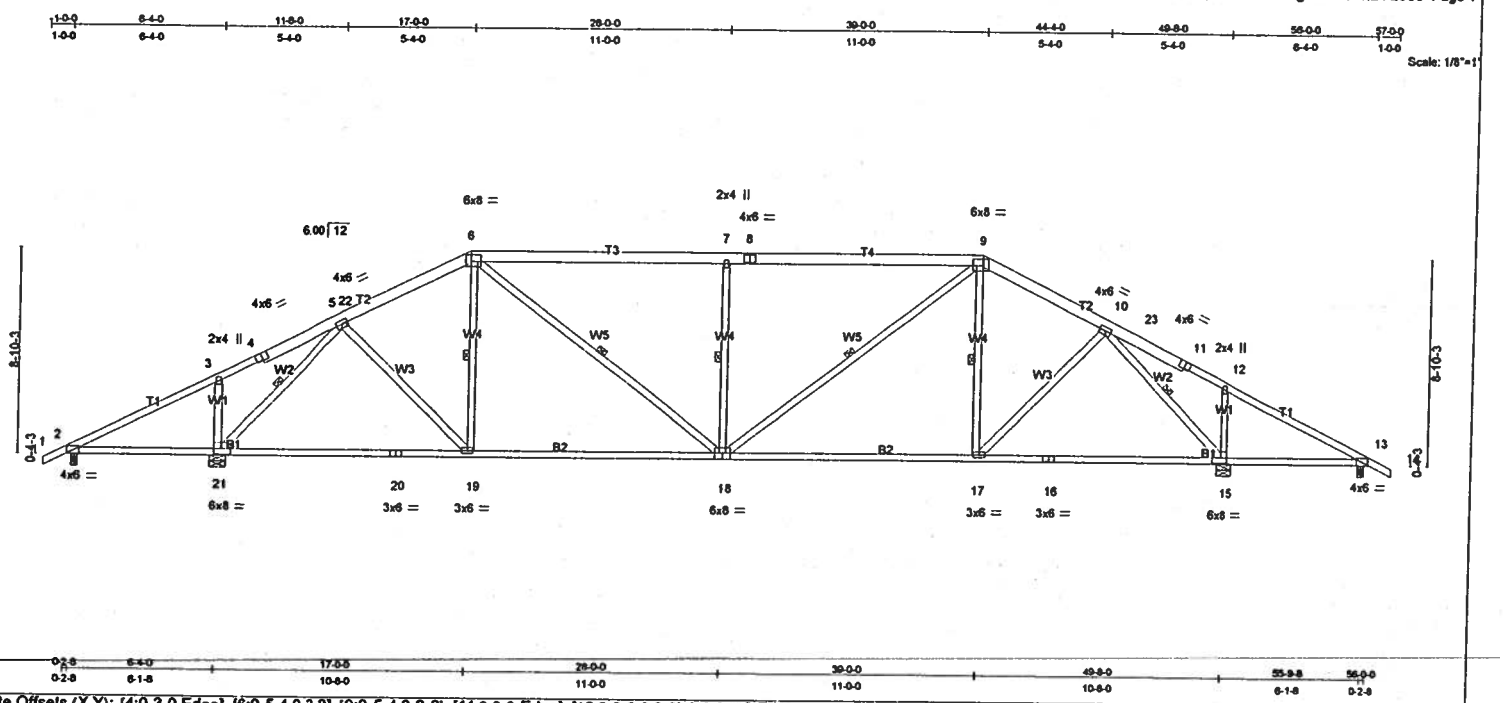


Plate Offsets (X,Y): [4:0-3-0,Edge], [6:0-5-4,0-3-8], [9:0-5-4,0-3-8], [11:0-3-0,Edge], [15:0-3-8,0-3-0], [18:0-4-0,Edge], [21:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.20	19-21	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.51	19-21	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.09	15	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 341 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

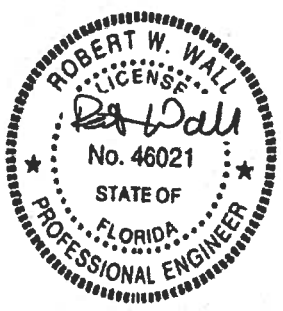
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-21, 6-19, 6-18, 7-18, 9-18, 9-17, 10-15

REACTIONS (lb/size) 21=2048/0-8-0, 15=2048/0-8-0, 2=76/0-3-0, 13=76/0-3-0
Max Horz2=-141(load case 4)
Max Uplift21=-1360(load case 6), 15=-1330(load case 7), 2=-197(load case 6), 13=-227(load case 7)
Max Grav21=2048(load case 1), 15=2048(load case 1), 2=87(load case 10), 13=87(load case 11)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=431, 3-4=274, 4-22=375, 5-22=377, 5-6=-1628, 6-7=-1981, 7-8=-1980, 8-9=-1981, 9-10=-1628, 10-23=377, 11-23=375, 11-12=274, 12-13=431, 13-14=23
BOT CHORD 2-21=-308, 20-21=1043, 19-20=1043, 18-19=1435, 17-18=1435, 16-17=1043, 15-16=1043, 13-15=-308
WEBS 3-21=-376, 5-21=-1993, 5-19=574, 6-19=-198, 6-18=688, 7-18=-623, 9-18=688, 9-17=-197, 10-17=574, 10-15=-1993, 12-15=-376

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1360 lb uplift at joint 21, 1330 lb uplift at joint 15, 197 lb uplift at joint 2 and 227 lb uplift at joint 13.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	AH19	ROOF TRUSS	3	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:21 2006 Page 1

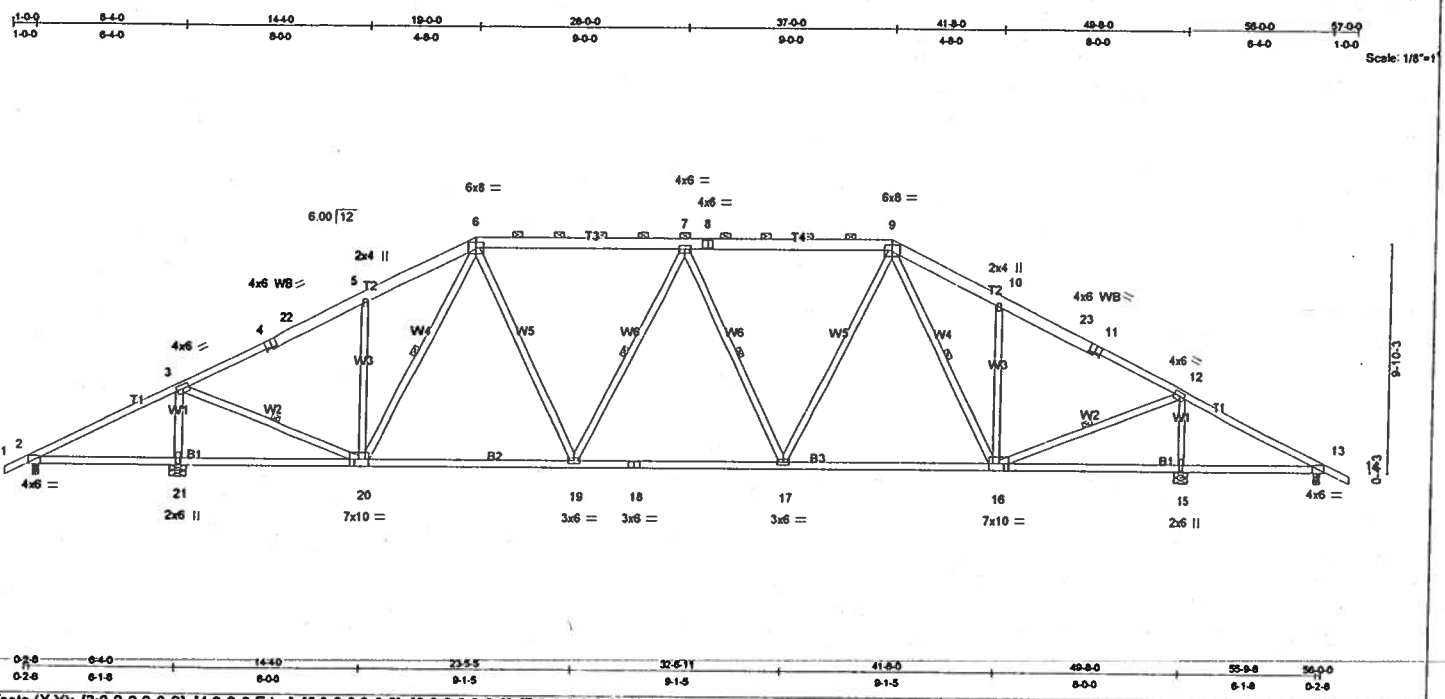


Plate Offsets (X,Y): [3:0-0-0,0-0-0], [4:0-3-0,Edge], [5:0-0-0,0-0-0], [6:0-0-0,0-0-0], [7:0-0-0,0-0-0], [8:0-0-0,0-0-0], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [11:0-3-0,Edge], [12:0-0-0,0-0-0], [16:0-2-8,Edge], [20:0-2-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	0.15	19-20	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	0.12	13-15	>621	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.07	15	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 353 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-11 oc purlins, except 2-0-0 oc purlins (5-10-15 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-20, 6-20, 7-19, 7-17, 9-16, 12-16

REACTIONS (lb/size) 21=1981/0-8-0, 15=1981/0-8-0, 2=143/0-3-0, 13=143/0-3-0
Max Horz2=158(load case 5)
Max Uplift21=-1323(load case 6), 15=-1289(load case 7), 2=-234(load case 6), 13=-268(load case 7)
Max Grav21=1981(load case 1), 15=1981(load case 1), 2=156(load case 10), 13=156(load case 11)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=294, 3-4=-1635, 4-22=-1529, 5-22=-1518, 5-6=-1597, 6-7=-1644, 7-8=-1644, 8-9=-1644, 9-10=-1597, 10-23=-1518, 11-23=-1529, 11-12=-1635, 12-13=294, 13-14=23
BOT CHORD 2-21=-181, 20-21=-181, 19-20=1435, 18-19=1769, 17-18=1769, 16-17=1435, 15-16=-181, 13-15=-181
WEBS 3-21=-1812, 3-20=1681, 5-20=-346, 6-20=-125, 6-19=491, 7-19=-288, 7-17=-288, 9-17=491, 9-16=-125, 10-16=-347, 12-16=1681, 12-15=-1812

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1323 lb uplift at joint 21, 1289 lb uplift at joint 15, 234 lb uplift at joint 2 and 268 lb uplift at joint 13.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	AH21	ROOF TRUSS	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:22 2006 Page 1

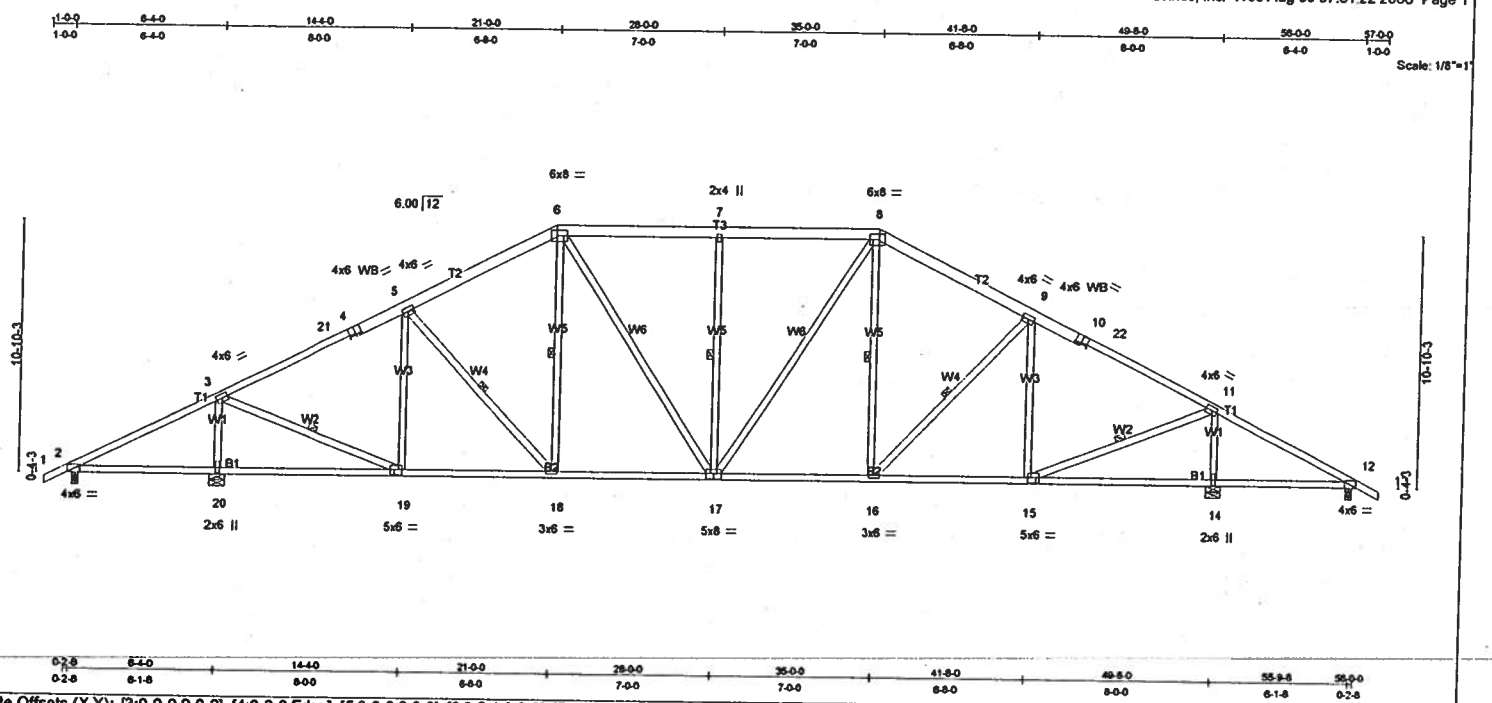


Plate Offsets (X,Y): [3:0-0-0,0-0-0], [4:0-3-0,Edge], [5:0-0-0,0-0-0], [6:0-5-4,0-3-0], [7:0-0-0,0-0-0], [8:0-5-4,0-3-0], [9:0-0-0,0-0-0], [10:0-3-0,Edge], [11:0-0-0,0-0-0], [15:0-2-0,0-3-0], [17:0-4-0,0-3-0], [19:0-2-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	0.14	17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	0.12	12-14	>611	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.06	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 369 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-19, 5-18, 6-18, 7-17, 8-16, 9-16, 11-15

REACTIONS (lb/size) 20=1968/0-8-0, 14=1968/0-8-0, 2=156/0-3-0, 12=156/0-3-0
Max Horz 2=175(load case 5)
Max Uplift 20=-1306(load case 6), 14=-1272(load case 7), 2=-251(load case 6), 12=-285(load case 7)
Max Grav 20=1968(load case 1), 14=1968(load case 1), 2=171(load case 10), 12=171(load case 11)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=263, 3-21=-1650, 4-21=-1532, 4-5=-1481, 5-6=-1685, 6-7=-1603, 7-8=-1603, 8-9=-1685, 9-10=-1481, 10-22=-1532, 11-22=-1650, 11-12=263, 12-13=23
BOT CHORD 2-20=-154, 19-20=-154, 18-19=1397, 17-18=1431, 16-17=1431, 15-16=1397, 14-15=-154, 12-14=-154
WEBS 3-20=-1791, 3-19=1671, 5-19=-480, 5-18=47, 6-18=102, 6-17=308, 7-17=-375, 8-17=308, 8-16=102, 9-16=47, 9-15=-480, 11-15=1671, 11-14=-1791

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1306 lb uplift at joint 20, 1272 lb uplift at joint 14, 251 lb uplift at joint 2 and 285 lb uplift at joint 12.

LOAD CASE(S) Standard

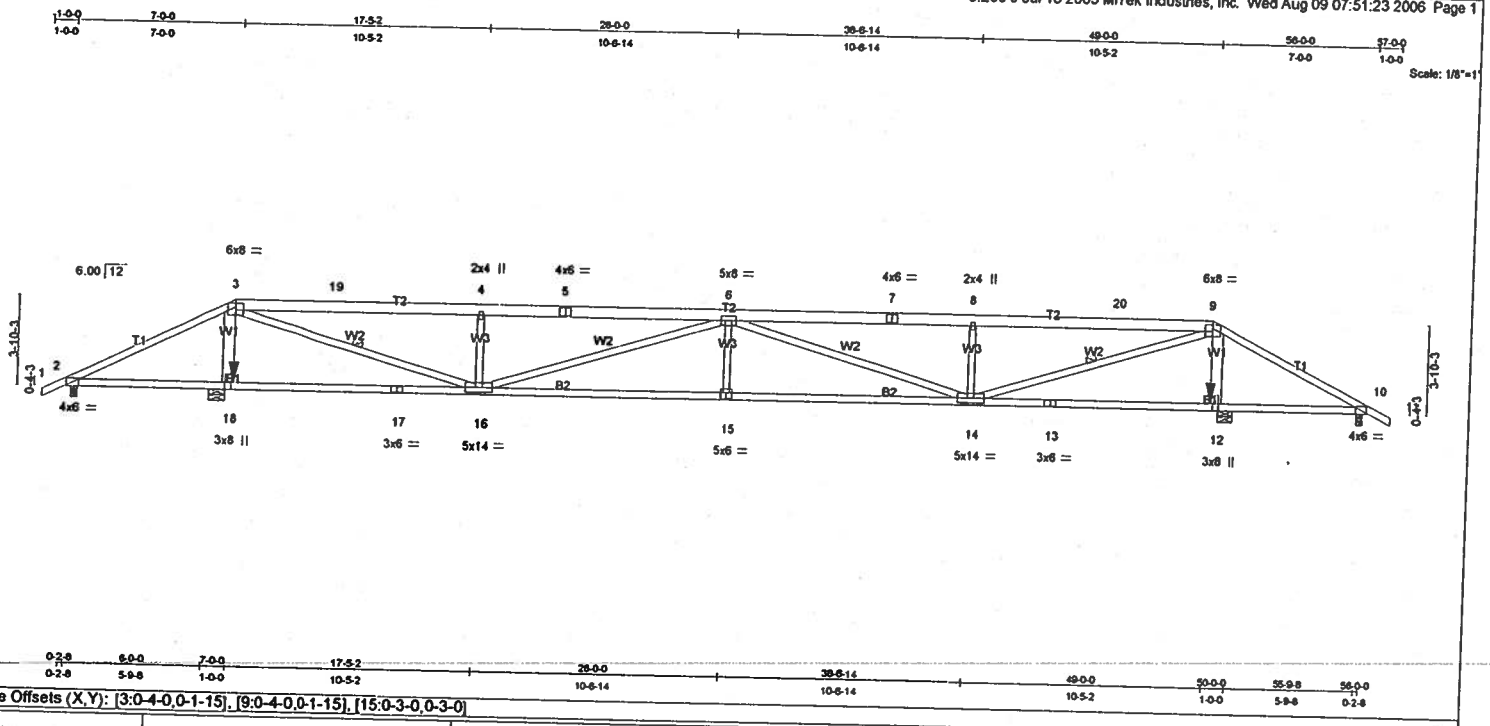
ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	AH7	ROOF TRUSS	1	2	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:23 2006 Page 1



LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.77	Vert(LL)	0.58	15	>882	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.74	15-16	>690	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.96	Horz(TL)	-0.02	18	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 602 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except*
T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.1D *Except*
W1 2 X 6 SYP No.2, W3 2 X 4 SYP No.3, W3 2 X 4 SYP No.3, W3 2 X 4 SYP No.3
W1 2 X 6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-16, 9-14

REACTIONS (lb/size) 18=5023/0-8-0, 12=5023/0-8-0, 2=-1636/0-3-0, 10=-1636/0-3-0
Max Horz 2=40(load case 5)
Max Uplift 18=-4734(load case 4), 12=-4726(load case 3), 2=-1721(load case 10), 10=-1721(load case 9)
Max Grav 18=5026(load case 9), 12=5026(load case 10), 2=1549(load case 3), 10=1557(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=11, 2-3=3796, 3-19=-3009, 4-19=-3011, 4-5=-3009, 5-6=-3009, 6-7=-3009, 7-8=-3009, 8-20=-3011, 9-20=-3009, 9-10=3796, 10-11=11
BOT CHORD 2-18=-3322, 17-18=-3042, 16-17=-3042, 15-16=4942, 14-15=4942, 13-14=-3042, 12-13=-3042, 10-12=-3322
WEBS 3-18=-4303, 3-16=6384, 4-16=-1035, 6-16=-2035, 6-15=349, 6-14=-2035, 8-14=-1035, 9-14=6384, 9-12=-4303

NOTES
1) 2-ply truss to be connected together with 16d Common(.162"x3.5") Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4734 lb uplift at joint 18, 4726 lb uplift at joint 12, 1721 lb uplift at joint 2 and 1721 lb uplift at joint 10.
8) Girder carries hip end with 7-0-0 end setback.
9) Uplift for first LC exceeds limits
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 475 lb down and 505 lb up at 49-0-0, and 475 lb down and 505 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-27, 3-9=-91(F=-64), 9-11=-27, 2-18=-10, 12-18=-34(F=-24), 10-12=-10
Concentrated Loads (lb)
Vert: 18=-475(F) 12=-475(F)

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	AH9	ROOF TRUSS	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:23 2006 Page 1

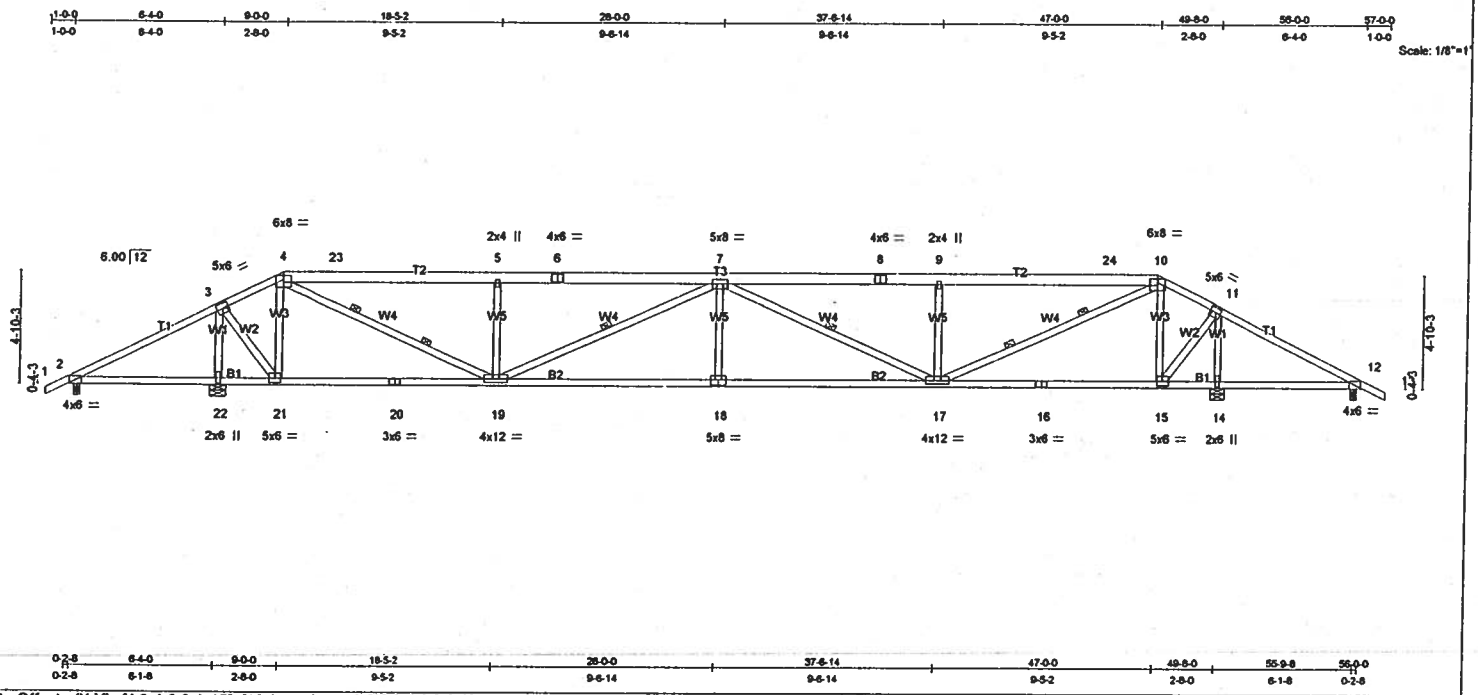


Plate Offsets (X,Y): [4:0-4-0,0-1-15], [10:0-4-0,0-1-15], [18:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.44	18	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.65	18-19	>794	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.06	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 317 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

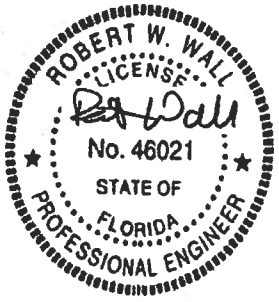
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-3-15 oc bracing.
WEBS 1 Row at midpt 7-19, 7-17
2 Rows at 1/3 pts 4-19, 10-17

REACTIONS (lb/size) 22=2622/0-8-0, 14=2622/0-8-0, 2=-498/0-3-0, 12=-498/0-3-0
Max Horz 2=97(load case 6)
Max Uplift 22=-1986(load case 5), 14=-1964(load case 4), 2=-656(load case 11), 12=-656(load case 10)
Max Grav 22=2622(load case 1), 14=2622(load case 1), 2=391(load case 5), 12=403(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=1711, 3-4=245, 4-23=-2155, 5-23=-2156, 5-6=-2155, 6-7=-2155, 7-8=-2155, 8-9=-2155, 9-24=-2156, 10-24=-2155, 10-11=245, 11-12=1711, 12-13=23
BOT CHORD 2-22=-1448, 21-22=-1448, 20-21=-145, 19-20=-145, 18-19=2885, 17-18=2885, 16-17=-145, 15-16=-145, 14-15=-1448, 12-14=-1448
WEBS 3-22=-2502, 3-21=2029, 4-21=-1481, 4-19=2550, 5-19=-561, 7-19=-805, 7-18=187, 7-17=-805, 9-17=-561, 10-17=2550, 10-15=-1481, 11-15=2029, 11-14=-2502

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1986 lb uplift at joint 22, 1964 lb uplift at joint 14, 656 lb uplift at joint 2 and 656 lb uplift at joint 12.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	B	ROOF TRUSS	6	1	
Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource					Job Reference (optional)

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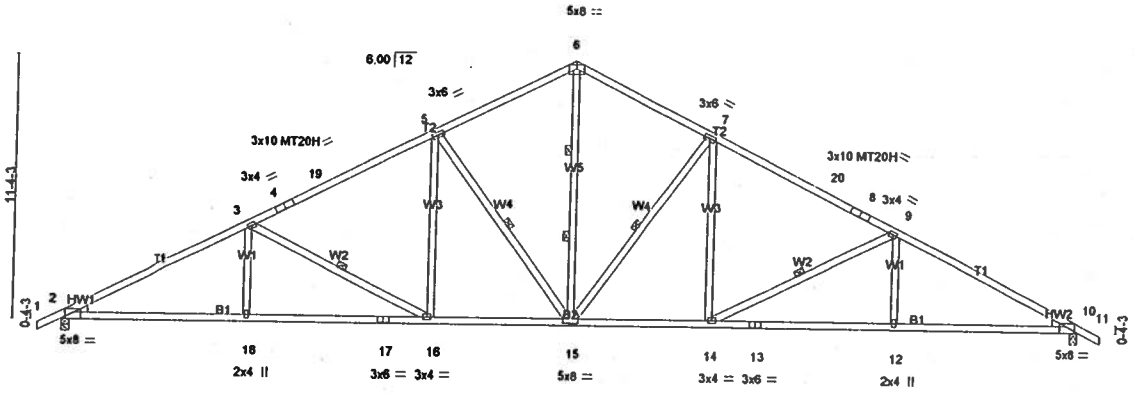
Scale: 1/8"=1'



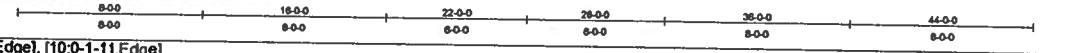


Plate Offsets (X,Y): [2:0-1-11,Edge], [10:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	0.67	16-18	>777	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	0.56	16-18	>942	180	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	-0.25	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 249 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 4 SYP No.1D, T1 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

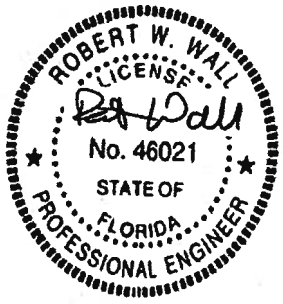
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-3-9 oc bracing.
WEBS 1 Row at midpt 3-16, 5-15, 7-15, 9-14
2 Rows at 1/3 pts 6-15

REACTIONS (lb/size) 2=1679/0-4-0, 10=1679/0-4-0
Max Horz 2=-185(load case 4)
Max Uplift 2=-1762(load case 6), 10=-1762(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-3093, 3-4=-2406, 4-19=-2329, 5-19=-2303, 5-6=-1881, 6-7=-1881, 7-20=-2303, 8-20=-2329, 8-9=-2406, 9-10=-3093, 10-11=23
BOT CHORD 2-18=2675, 17-18=2675, 16-17=2675, 15-16=2060, 14-15=2060, 13-14=2675, 12-13=2675, 10-12=2675
WEBS 3-18=189, 3-16=-688, 5-16=447, 5-15=-749, 6-15=1313, 7-15=-749, 7-14=447, 9-14=-688, 9-12=189

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1762 lb uplift at joint 2 and 1762 lb uplift at joint 10.

LOAD CASE(S) Standard

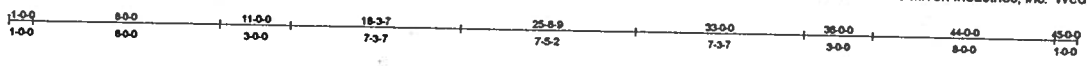


Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

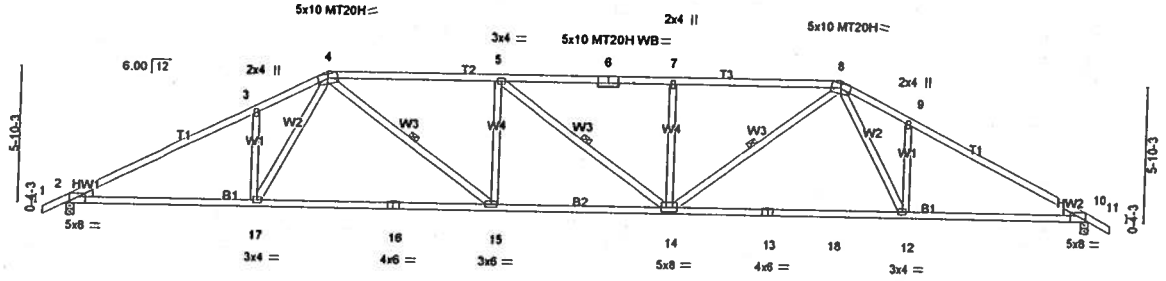
08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	BH11	ROOF TRUSS	2	1	
Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource					Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:25 2006 Page 1



Scale: 1/8"=1'



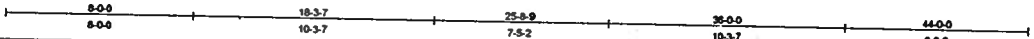


Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-5-0,Edge], [10:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.92	Vert(LL)	1.09	12-14	>481	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	0.89	12-14	>588	180	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.76	Horz(TL)	-0.25	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 224 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D *Except* T2 2 X 4 SYP No.2, T3 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

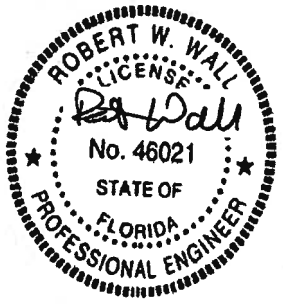
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-15, 5-14, 8-14

REACTIONS (lb/size) 2=1679/0-4-0, 10=1679/0-4-0
Max Horz 2=-114(load case 7)
Max Uplift 2=-1759(load case 6), 10=-1759(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-3087, 3-4=-3023, 4-5=-3143, 5-6=-3142, 6-7=-3142, 7-8=-3143, 8-9=-3023, 9-10=-3087, 10-11=23
BOT CHORD 2-17=2661, 16-17=2385, 15-16=2385, 14-15=3143, 13-14=2385, 13-18=2385, 12-18=2385, 10-12=2661
WEBS 3-17=-286, 4-17=580, 4-15=953, 5-15=-406, 5-14=-1, 7-14=-406, 8-14=952, 8-12=580, 9-12=-286

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1759 lb uplift at joint 2 and 1759 lb uplift at joint 10.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	BH13	ROOF TRUSS	2	1	

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource

Job Reference (optional)

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Scale: 1/8"=1'

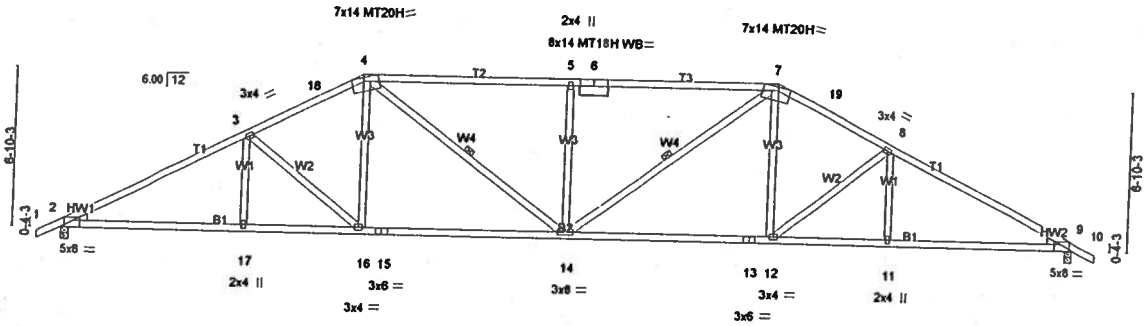


Plate Offsets (X,Y): [2:0-1-11,Edge], [4:0-6-3,Edge], [7:0-6-3,Edge], [9:0-1-11,Edge]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25	TC 0.85	Vert(LL)	0.84	12-14	>626	240	MT20	244/190
TCDL	7.0	Lumber Increase 1.25	BC 0.86	Vert(TL)	0.69	12-14	>762	180	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr YES	WB 0.61	Horz(TL)	-0.24	9	n/a	n/a	MT18H	244/190
BCDL	10.0	Code FBC2004/TPI2002	(Matrix)						Weight: 230 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D *Except* T3 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

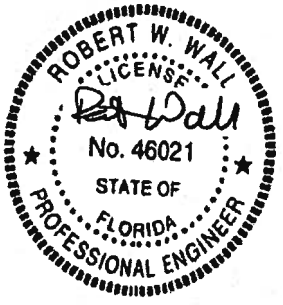
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-14, 7-14

REACTIONS (lb/size) 2=1679/0-4-0, 9=1679/0-4-0
Max Horz2=116(load case 6)
Max Uplift2=-1762(load case 6), 9=-1762(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-3062, 3-18=-2599, 4-18=-2490, 4-5=-2772, 5-6=-2771, 6-7=-2772, 7-19=-2490, 8-19=-2599, 8-9=-3062, 9-10=23
BOT CHORD 2-17=2640, 16-17=2640, 15-16=2280, 14-15=2280, 13-14=2281, 12-13=2281, 11-12=2640, 9-11=2640
WEBS 3-17=158, 3-16=-470, 4-16=418, 4-14=608, 5-14=-522, 7-14=607, 7-12=417, 8-12=-468, 8-11=158

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1762 lb uplift at joint 2 and 1762 lb uplift at joint 9.

LOAD CASE(S) Standard



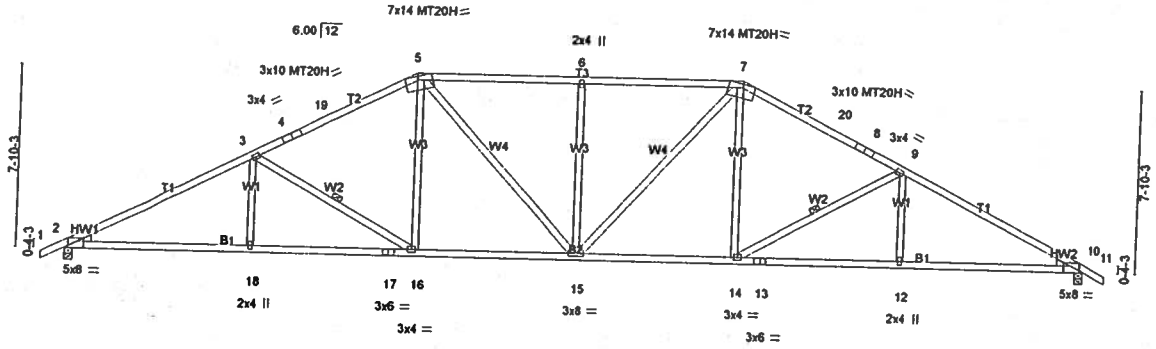
Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	BH15	ROOF TRUSS	2	1	
Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource					Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:26 2006 Page 1

Scale: 1/8"=1'



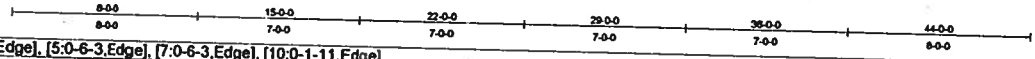


Plate Offsets (X,Y): [2:0-1-11,Edge], [5:0-6-3,Edge], [7:0-6-3,Edge], [10:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	0.64	14-15	>813	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	0.53	14-15	>988	180	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.90	Horz(TL)	-0.25	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 238 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 4 SYP No.1D, T1 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

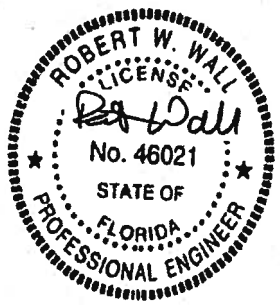
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-14 oc bracing.
WEBS 1 Row at midpt 3-16, 9-14

REACTIONS (lb/size) 2=1679/0-4-0, 10=1679/0-4-0
Max Horz2=-125(load case 4)
Max Uplift2=-1762(load case 6), 10=-1762(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-3080, 3-4=-2462, 4-19=-2385, 5-19=-2310, 5-6=-2369, 6-7=-2369, 7-20=-2310, 8-20=-2385, 8-9=-2462, 9-10=-3080, 10-11=23
BOT CHORD 2-18=2660, 17-18=2660, 16-17=2660, 15-16=2130, 14-15=2130, 13-14=2660, 12-13=2660, 10-12=2660
WEBS 3-18=181, 3-16=-619, 5-16=437, 5-15=351, 6-15=-375, 7-15=351, 7-14=437, 9-14=-619, 9-12=181

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1762 lb uplift at joint 2 and 1762 lb uplift at joint 10.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	BH17	ROOF TRUSS	2	1	
Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource					Job Reference (optional)

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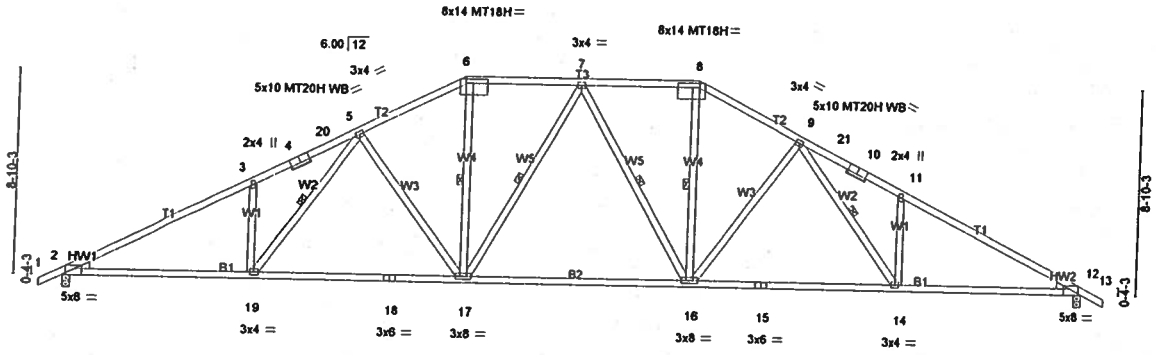
Scale: 1/8"=1'



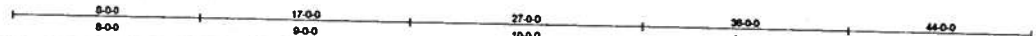


Plate Offsets (X,Y): [2:0-1-11,Edge], [4:0-5-0,Edge], [6:0-11-0,0-2-0], [8:0-11-0,0-2-0], [10:0-5-0,Edge], [12:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	0.84	16-17	>626	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	0.69	16-17	>760	180	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.53	Horz(TL)	-0.23	12	n/a	n/a	MT18H	244/190
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 251 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 4 SYP No.1D, T1 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

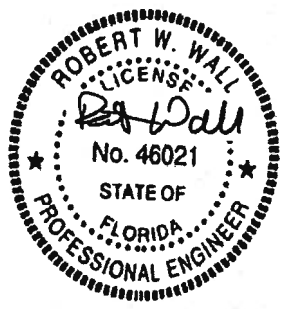
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-19, 6-17, 7-17, 7-16, 8-16, 9-14

REACTIONS (lb/size) 2=1679/0-4-0, 12=1679/0-4-0
Max Horz 2=-142(load case 4)
Max Uplift2=-1762(load case 6), 12=-1762(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-3078, 3-4=-3043, 4-20=-2996, 5-20=-2965, 5-6=-2255, 6-7=-1987, 7-8=-1987, 8-9=-2255, 9-21=-2965, 10-21=-2996, 10-11=-3042, 11-12=-3078, 12-13=23
BOT CHORD 2-19=2655, 18-19=2264, 17-18=2264, 16-17=2058, 15-16=2264, 14-15=2264, 12-14=2655
WEBS 3-19=-349, 5-19=673, 5-17=-487, 6-17=707, 7-17=-145, 7-16=-145, 8-16=707, 9-16=-487, 9-14=673, 11-14=-349

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1762 lb uplift at joint 2 and 1762 lb uplift at joint 12.

LOAD CASE(S) Standard

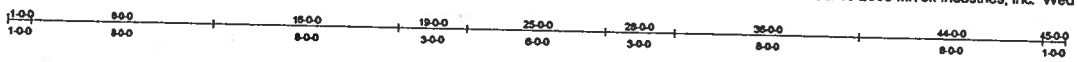


Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	BH19	ROOF TRUSS	2	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:27 2006 Page 1



Scale: 1/8"=1'

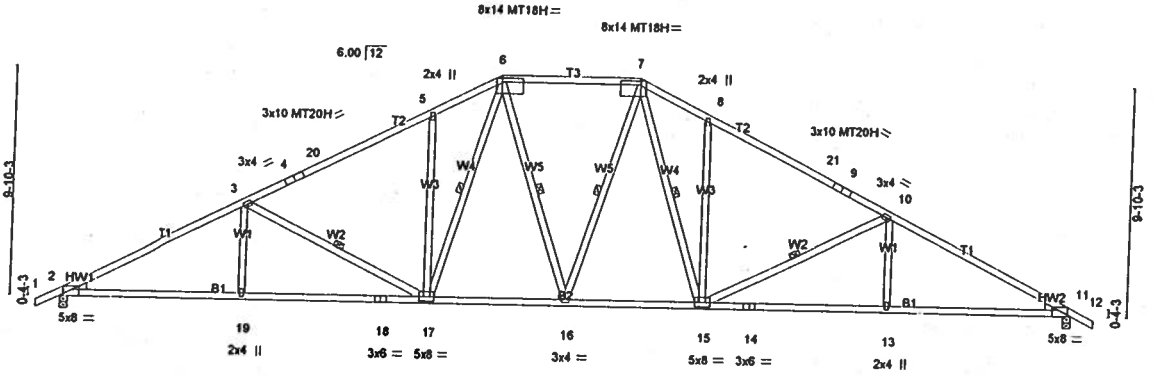


Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-11-0,0-2-0], [7:0-11-0,0-2-0], [11:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.92	Vert(LL)	0.64	13-15	>818	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	0.53	13-15	>993	180	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.66	Horz(TL)	-0.24	11	n/a	n/a	MT18H	244/190
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 261 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 4 SYP No.1D, T1 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

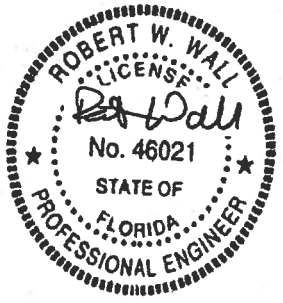
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-4-1 oc bracing.
WEBS 1 Row at midpt 3-17, 6-17, 6-16, 7-16, 7-15, 10-15

REACTIONS (lb/size) 2=1679/0-4-0, 11=1679/0-4-0
Max Horz 2=159(load case 5)
Max Uplift2=-1762(load case 6), 11=-1762(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-3095, 3-4=-2404, 4-20=-2326, 5-20=-2298, 5-6=-2347, 6-7=-1836, 7-8=-2347, 8-21=-2298, 9-21=-2326, 9-10=-2404, 10-11=-3095, 11-12=23
BOT CHORD 2-19=2677, 18-19=2677, 17-18=2677, 16-17=1818, 15-16=1818, 14-15=2677, 13-14=2677, 11-13=2677
WEBS 3-19=188, 3-17=-697, 5-17=-304, 6-17=791, 6-16=59, 7-16=59, 7-15=791, 8-15=-304, 10-15=-697, 10-13=188

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1762 lb uplift at joint 2 and 1762 lb uplift at joint 11.

LOAD CASE(S) Standard

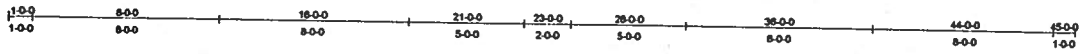


Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

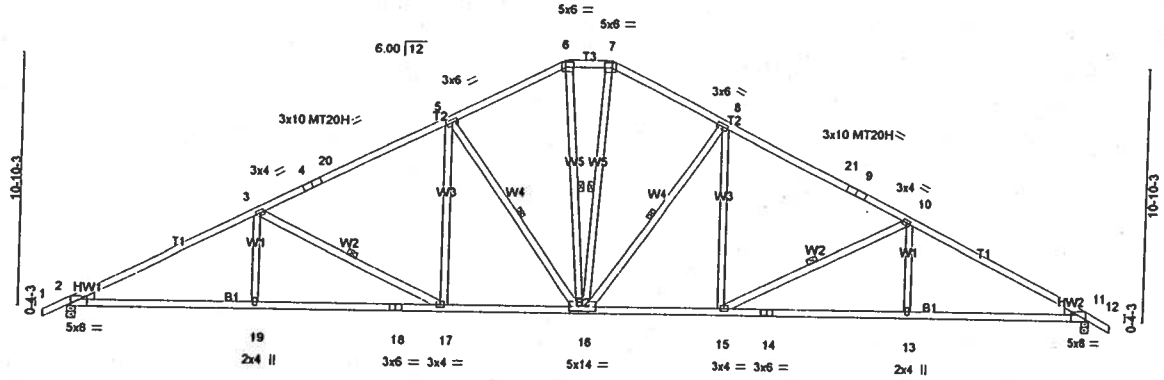
08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	BH21	ROOF TRUSS	2	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:28 2006 Page 1



Scale: 1/8"=1'



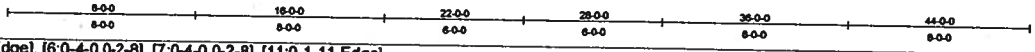


Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-4-0,0-2-8], [7:0-4-0,0-2-8], [11:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	0.66	17-19	>797	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	0.54	17-19	>967	180	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.96	Horz(TL)	-0.25	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 263 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 4 SYP No.1D, T1 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

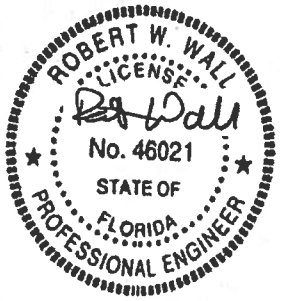
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-3-11 oc bracing.
WEBS 1 Row at midpt 3-17, 5-16, 6-16, 7-16, 10-15, 8-16

REACTIONS (lb/size) 2=1679/0-4-0, 11=1679/0-4-0
Max Horz 2=177(load case 5)
Max Uplift 2=-1762(load case 6), 11=-1762(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-3093, 3-4=-2405, 4-20=-2328, 5-20=-2302, 5-6=-1881, 6-7=-1677, 7-8=-1881, 8-21=-2302, 9-21=-2328, 9-10=-2405, 10-11=-3093, 11-12=23
BOT CHORD 2-19=2675, 18-19=2675, 17-18=2675, 16-17=2059, 15-16=2059, 14-15=2675, 13-14=2675, 11-13=2675
WEBS 3-19=189, 3-17=-690, 5-17=447, 5-16=-744, 6-16=656, 7-16=656, 8-15=447, 10-15=-690, 10-13=189, 8-16=-744

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1762 lb uplift at joint 2 and 1762 lb uplift at joint 11.

LOAD CASE(S) Standard



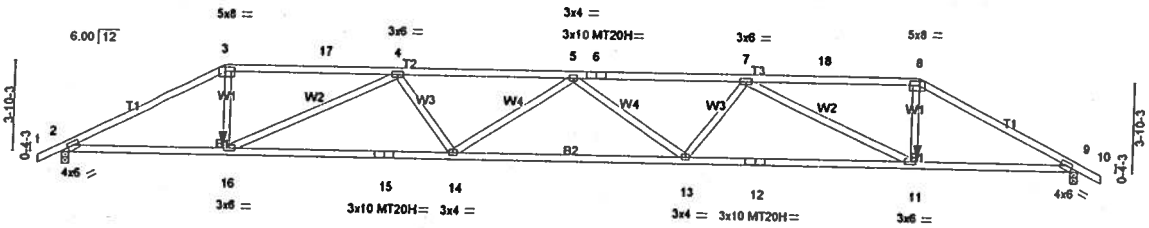
Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	BH7	ROOF TRUSS	2	2	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:28 2006 Page 1

Scale: 1/8"=1'



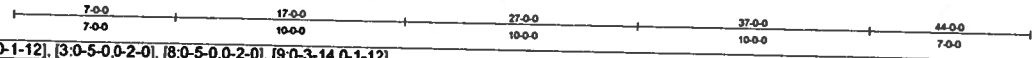


Plate Offsets (X,Y): [2:0-3-14,0-1-12], [3:0-5-0,0-2-0], [8:0-5-0,0-2-0], [9:0-3-14,0-1-12]

LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	1.09	13-14	>481	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	1.00	Vert(TL)	-1.15	13-14	>454	180	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.85	Horz(TL)	-0.27	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 401 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

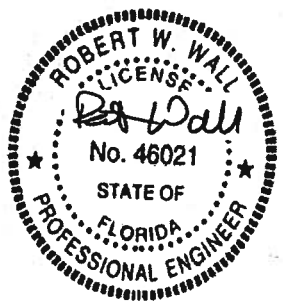
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-11 oc purlins.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=2629/0-4-0, 9=2629/0-4-0
Max Horz2=-40(load case 6)
Max Uplift2=-2716(load case 5), 9=-2716(load case 6)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=12, 2-3=-5509, 3-17=-4951, 4-17=-4951, 4-5=-8297, 5-6=-8297, 6-7=-8297, 7-18=-4951, 8-18=-4951, 8-9=-5509, 9-10=12
BOT CHORD 2-16=4865, 15-16=7819, 14-15=7819, 13-14=8768, 12-13=7819, 11-12=7819, 9-11=4865
WEBS 3-16=2077, 4-16=-3186, 4-14=832, 5-14=-578, 5-13=-578, 7-13=832, 7-11=-3186, 8-11=2077

NOTES
1) 2-ply truss to be connected together with 16d Common(.162"x3.5") Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) All plates are MT20 plates unless otherwise indicated.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2716 lb uplift at joint 2 and 2716 lb uplift at joint 9.
9) Girder carries hip end with 7-0-0 end setback.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 475 lb down and 505 lb up at 37-0-0, and 475 lb down and 505 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-27, 3-8=-91(F=-64), 8-10=-27, 2-16=-10, 11-16=-34(F=-24), 9-11=-10
Concentrated Loads (lb)
Vert: 16=-475(F) 11=-475(F)



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	BH9	ROOF TRUSS	2	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource

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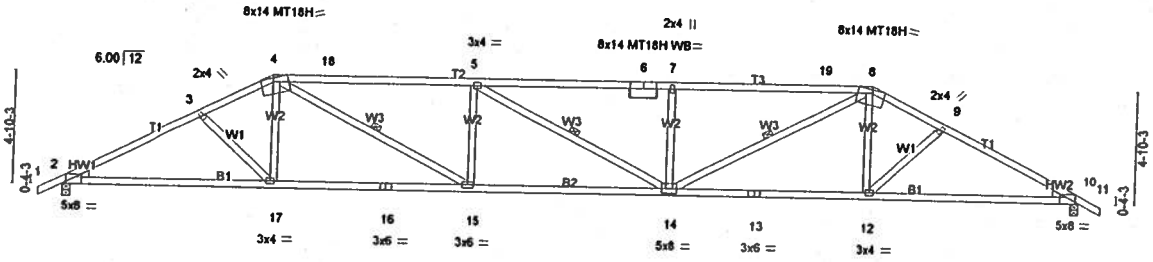
Scale: 1/8"=1'



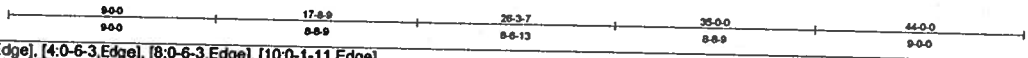


Plate Offsets (X,Y): [2:0-1-11,Edge], [4:0-6-3,Edge], [8:0-6-3,Edge], [10:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.97	Vert(LL)	1.15	14-15	>456	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	0.94	14-15	>555	180	MT18H	244/190
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	-0.27	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 219 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T2 2 X 4 SYP No.1D, T3 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

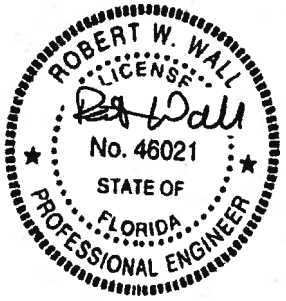
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-0-2 oc bracing.
WEBS 1 Row at midpt 4-15, 5-14, 8-14

REACTIONS (lb/size) 2=1679/0-4-0, 10=1679/0-4-0
Max Horz2=97(load case 6)
Max Uplift2=-1764(load case 6), 10=-1764(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-3074, 3-4=-2897, 4-18=-3811, 5-18=-3811, 5-6=-3810, 6-7=-3810, 7-19=-3810, 8-19=-3810, 8-9=-2898, 9-10=-3074, 10-11=23
BOT CHORD 2-17=2679, 16-17=2585, 15-16=2585, 14-15=3811, 13-14=2586, 12-13=2586, 10-12=2679
WEBS 3-17=-139, 4-17=291, 4-15=1382, 5-15=-473, 5-14=-1, 7-14=-473, 8-14=1381, 8-12=291, 9-12=-139

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1764 lb uplift at joint 2 and 1764 lb uplift at joint 10.

LOAD CASE(S) Standard

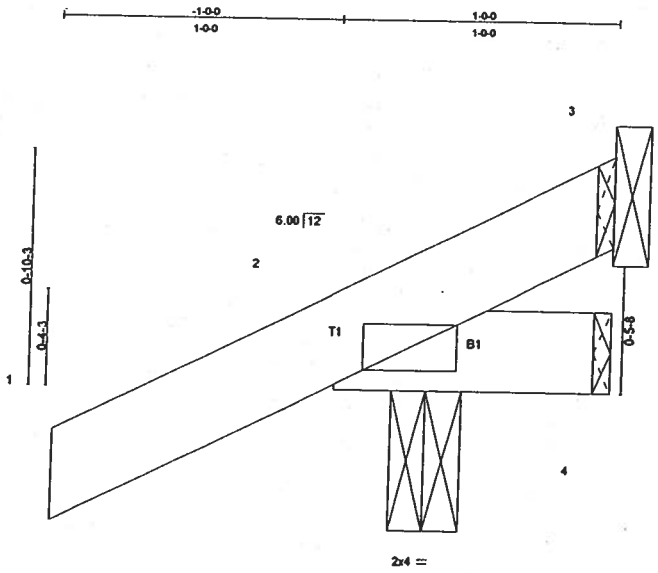


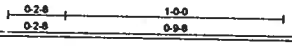
Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	CJ1	ROOF TRUSS	16	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:29 2006 Page 1





LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.08	Vert(LL)	0.00	4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.04	Vert(TL)	-0.00	4	>999	180		
BCLL 10.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2004/TPI2002	(Matrix)						Weight: 5 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

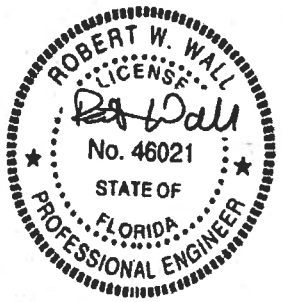
BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=120/0-3-0, 3=6/Mechanical
Max Horz2=73(load case 6)
Max Uplift2=-133(load case 6), 3=-12(load case 9)
Max Grav2=120(load case 1), 3=19(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=-22
BOT CHORD 2-4=0

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 2 and 12 lb uplift at joint 3.

LOAD CASE(S) Standard



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24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	CJ3	ROOF TRUSS	16	1	
Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource					Job Reference (optional)

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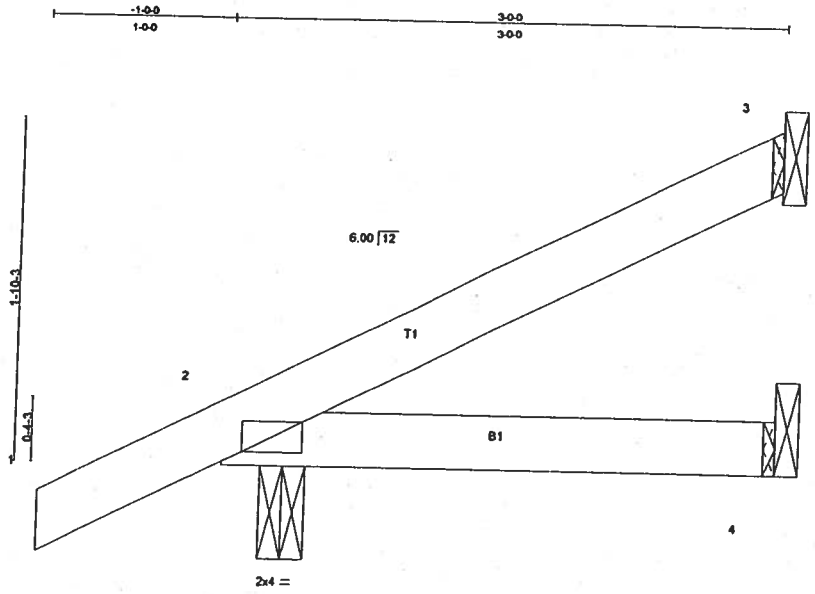
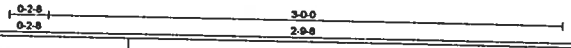




LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.22	Vert(LL) 0.01 2-4 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.10	Vert(TL) 0.01 2-4 >999 180	
BCLL 10.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCDL 10.0	Code FBC2004/TPI2002	(Matrix)		Weight: 11 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

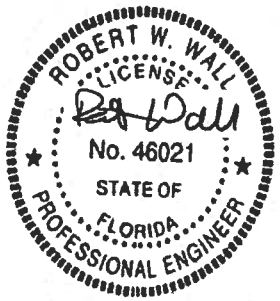
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=64/Mechanical, 4=28/Mechanical, 2=177/0-3-0
Max Horz 2=143(load case 6)
Max Uplift 3=-99(load case 6), 4=-34(load case 4), 2=-188(load case 6)
Max Grav 3=64(load case 1), 4=56(load case 2), 2=177(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=23
BOT CHORD 2-4=0

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 3, 34 lb uplift at joint 4 and 188 lb uplift at joint 2.

LOAD CASE(S) Standard



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24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L Fish Const Inc_Riopelle_Roof
MASTER	CJ5	ROOF TRUSS	12	1	
Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource					Job Reference (optional)

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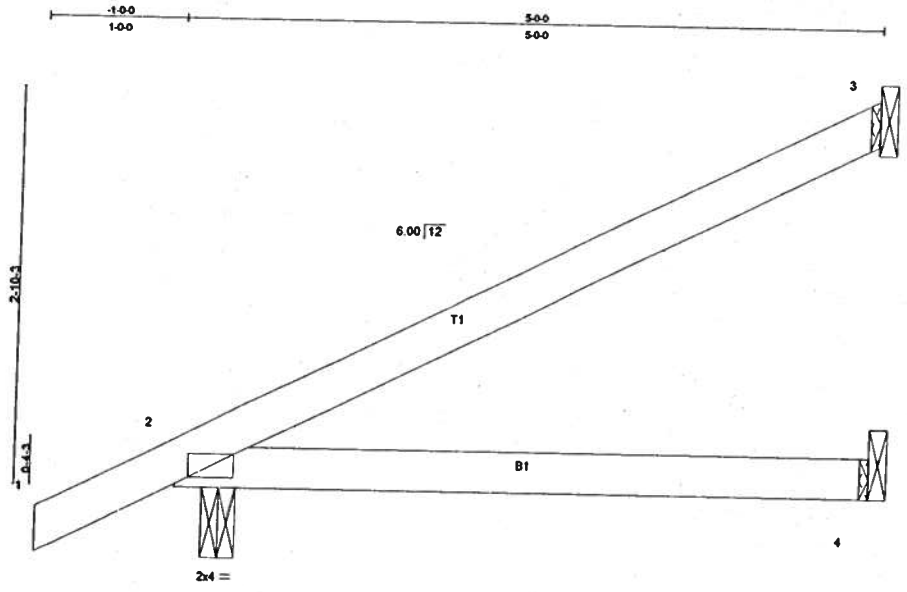


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.11	2-4	>550	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	0.09	2-4	>625	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

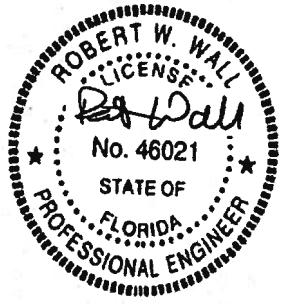
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=123/Mechanical, 4=48/Mechanical, 2=246/0-3-0
Max Horz2=214(load case 6)
Max Uplift3=-187(load case 6), 4=-57(load case 4), 2=-250(load case 6)
Max Grav3=123(load case 1), 4=96(load case 2), 2=246(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=45
BOT CHORD 2-4=0

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 3, 57 lb uplift at joint 4 and 250 lb uplift at joint 2.

LOAD CASE(S) Standard



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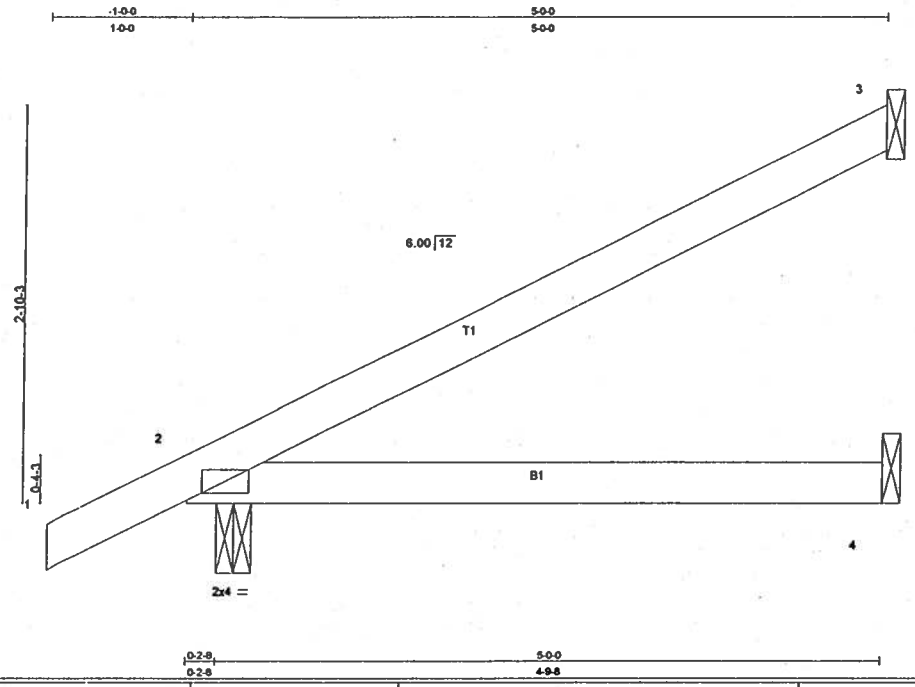
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	EJ5	ROOF TRUSS	2	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:30 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.11	2-4	>550	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	0.09	2-4	>625	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=123/Mechanical, 4=48/Mechanical, 2=246/0-3-0
Max Horz2=214(load case 6)
Max Uplift3=-187(load case 6), 4=-57(load case 4), 2=-250(load case 6)
Max Grav3=123(load case 1), 4=96(load case 2), 2=246(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=45
BOT CHORD 2-4=0

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 3, 57 lb uplift at joint 4 and 250 lb uplift at joint 2.

LOAD CASE(S) Standard

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	EJ7	ROOF TRUSS	54	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:30 2006 Page 1

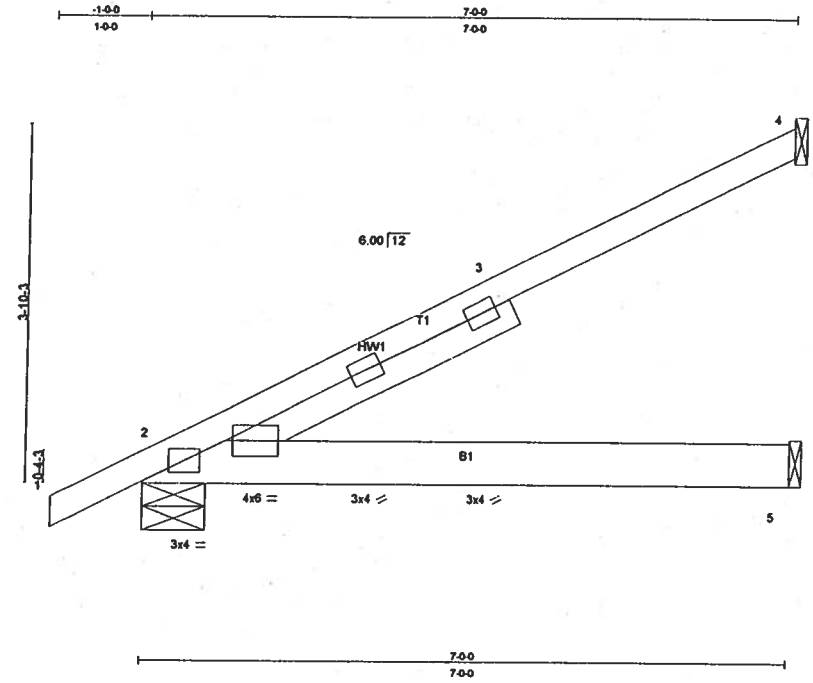


Plate Offsets (X,Y): [2:0-0-15,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	0.09	2-5	>836	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	0.08	2-5	>952	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 35 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
SLIDER Left 2 X 4 SYP No.3 3-5-1

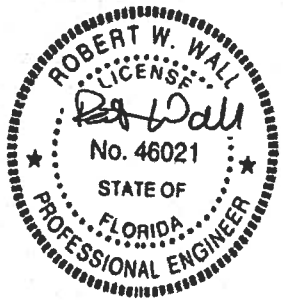
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=171/Mechanical, 2=324/0-8-0, 5=66/Mechanical
Max Horz 2=285(load case 6)
Max Uplift 4=-259(load case 6), 2=-325(load case 6), 5=-79(load case 4)
Max Grav 4=171(load case 1), 2=324(load case 1), 5=132(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=27, 2-3=-71, 3-4=60
BOT CHORD 2-5=0

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 259 lb uplift at joint 4, 325 lb uplift at joint 2 and 79 lb uplift at joint 5.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	HJ5	ROOF TRUSS	2	1	

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource

Job Reference (optional)

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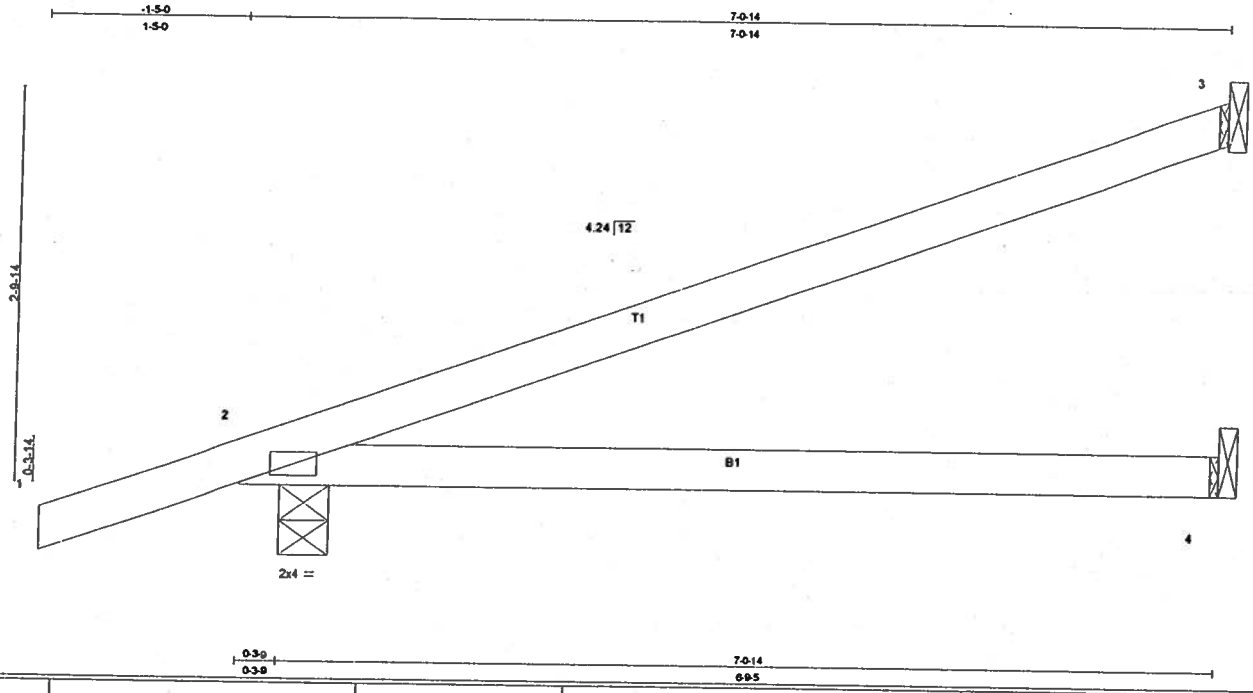

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	0.17	2-4	>480	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.27	2-4	>308	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 24 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 7-0-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=210/Mechanical, 4=81/Mechanical, 2=250/0-4-4
Max Horz 2=196(load case 3)
Max Uplift 3=-287(load case 3), 4=-78(load case 3), 2=-294(load case 3)
Max Grav 3=210(load case 1), 4=149(load case 2), 2=250(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=25, 2-3=51
BOT CHORD 2-4=0

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 3, 78 lb uplift at joint 4 and 294 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-3=-95(F=-21, B=-21), 2=0(F=10, B=10)-to-4=-35(F=-8, B=-8)

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

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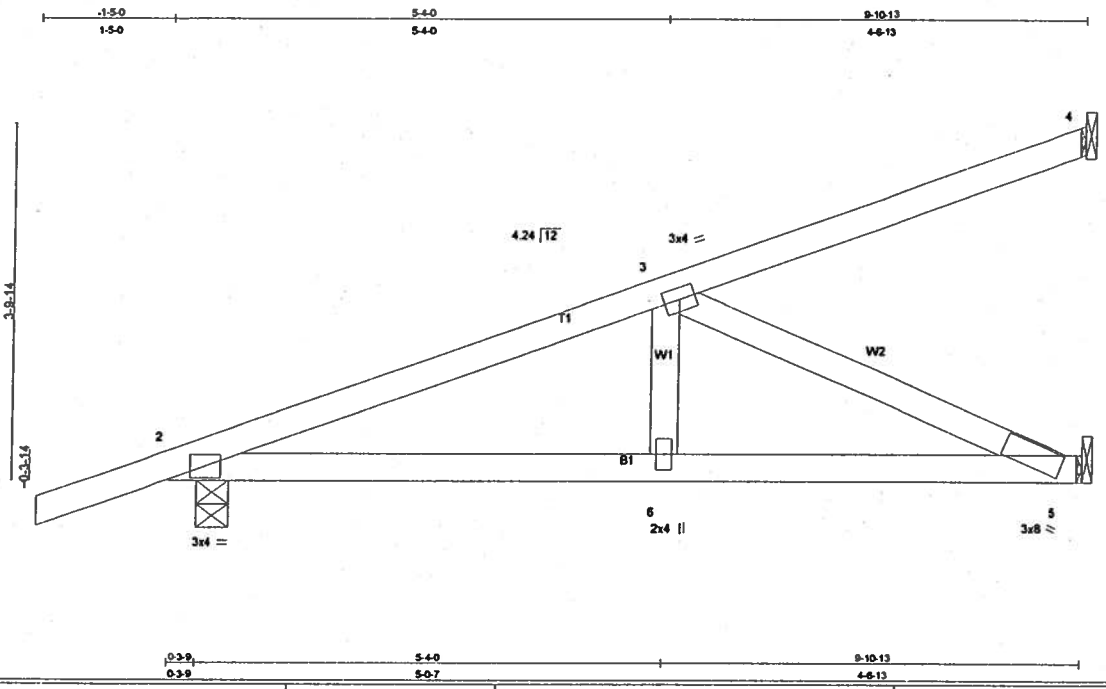
08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	HJ7	ROOF TRUSS	6	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51.31 2006 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.46	Vert(LL) 0.04 5-6 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.39	Vert(TL) -0.05 5-6 >999 180	
BCLL 10.0 *	Rep Stress Incr NO	WB 0.27	Horz(TL) -0.01 5 n/a n/a	
BCDL 10.0	Code FBC2004/TPI2002	(Matrix)		Weight: 42 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-8 oc bracing.

REACTIONS (lb/size) 4=219/Mechanical, 5=369/Mechanical, 2=392/0-4-4
Max Horz2=354(load case 3)
Max Uplift4=-311(load case 3), 5=-390(load case 3), 2=-408(load case 3)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=25, 2-3=-714, 3-4=53
BOT CHORD 2-6=656, 5-6=656
WEBS 3-6=133, 3-5=-716

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 311 lb uplift at joint 4, 390 lb uplift at joint 5 and 408 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-4=-134(F=-40, B=-40), 2=0(F=10, B=10)-to-5=-49(F=-15, B=-15)

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

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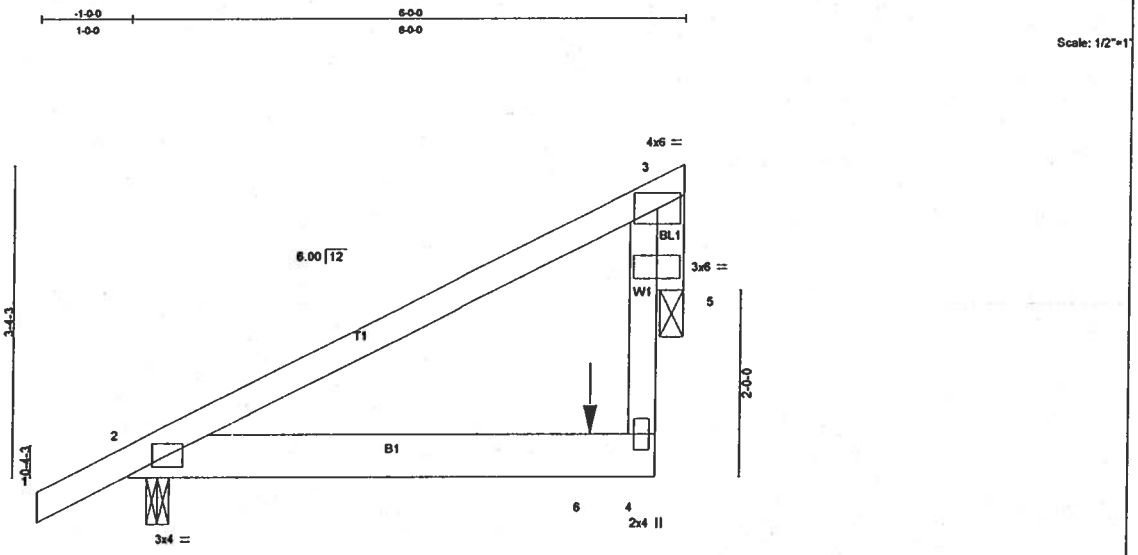
08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER4	MGR	ROOF TRUSS	2	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:31 2006 Page 1



LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.04	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	0.03	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.14	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 30 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 5=424/0-3-0, 2=171/0-3-0
Max Horz2=121(load case 5)
Max Uplift5=-521(load case 5), 2=-179(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=13, 2-3=30
BOT CHORD 2-6=-4, 4-6=-4
WEBS 4-5=350, 3-5=-74

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 521 lb uplift at joint 5 and 179 lb uplift at joint 2.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 360 lb down and 421 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-27, 2-4=-10
Concentrated Loads (lb)
Vert: 6=-360(F)

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

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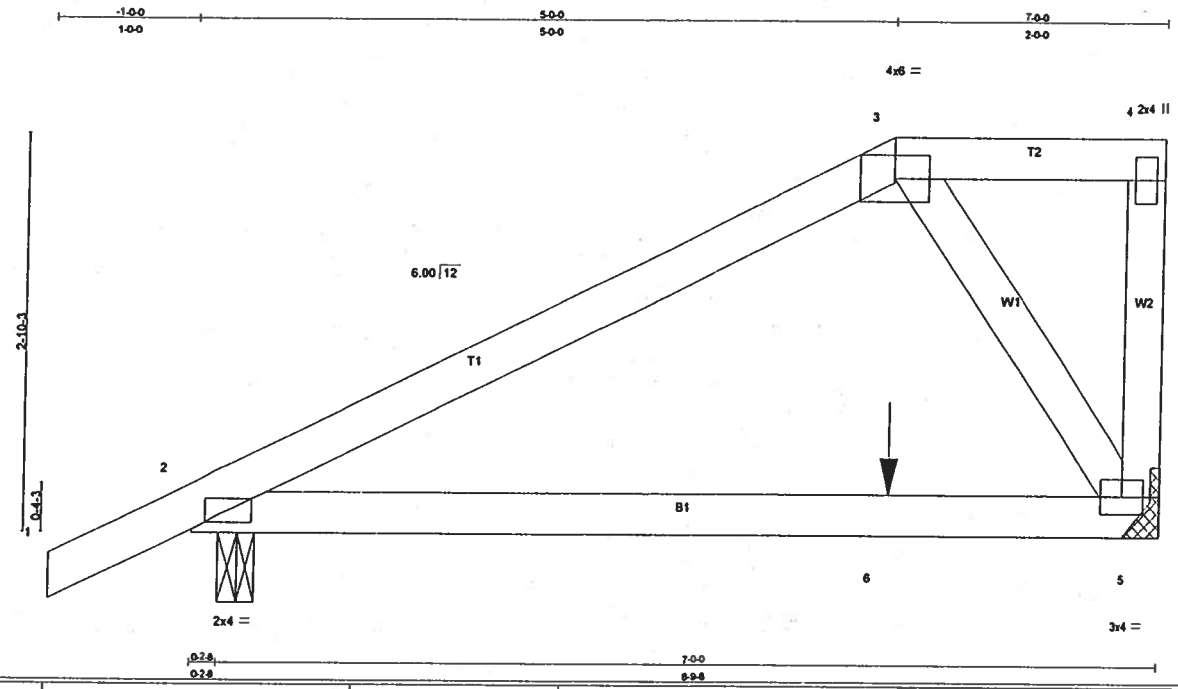
08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	MH5	ROOF TRUSS	2	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:31 2006 Page 1



LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	0.33	2-5	>245	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.36	2-5	>227	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.04	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 31 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=360/Mechanical, 2=230/0-3-0
Max Horz 2=109(load case 5)
Max Uplift5=-409(load case 6), 2=-247(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=11, 2-3=-105, 3-4=0, 4-5=-59
BOT CHORD 2-6=64, 5-6=64
WEBS 3-5=-109

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS automatic zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 5 and 247 lb uplift at joint 2.
6) Girder carries hip end with 0-0-0 right side setback, 5-0-0 left side setback, and 5-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 216 lb down and 230 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-27, 3-4=-64(F=-37), 2-6=-10, 5-6=-24(F=-14)
Concentrated Loads (lb)
Vert: 6=-216(F)

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

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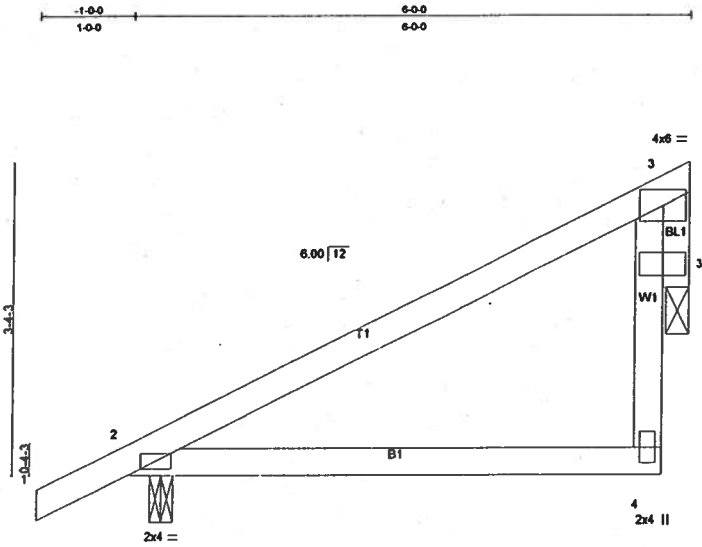
24710 State Road 54 Lutz, Fl 33559

08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	MT	ROOF TRUSS	76	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:31 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	0.17	2-4	>382	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	0.15	2-4	>435	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

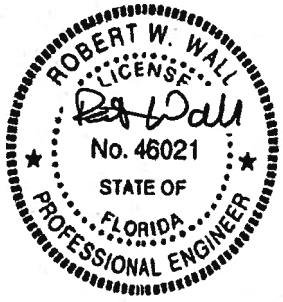
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 5=203/0-3-0, 2=268/0-3-0
Max Horz 2=241(load case 6)
Max Uplift 5=-290(load case 6), 2=-267(load case 6)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=61
BOT CHORD 2-4=-7
WEBS 4-5=54, 3-5=-148

NOTES
1) Wind: ASCE 7-02; 120mph (3-second gust); h=25ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; partially; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 290 lb uplift at joint 5 and 267 lb uplift at joint 2.

LOAD CASE(S) Standard



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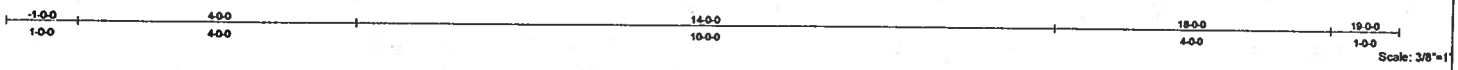
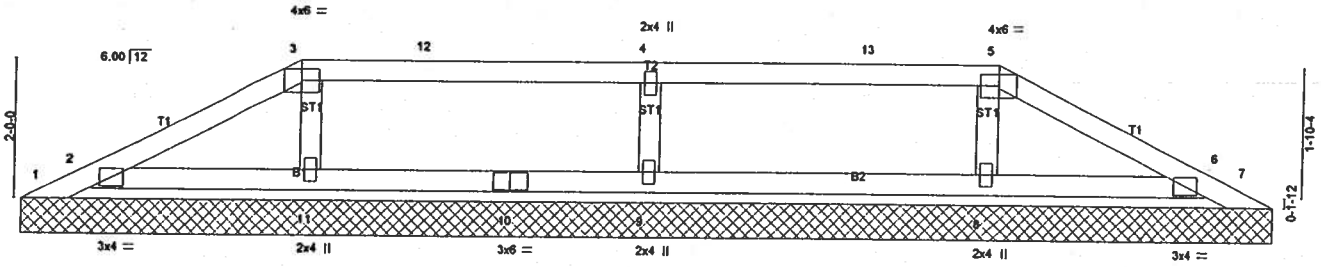
08/09/2006

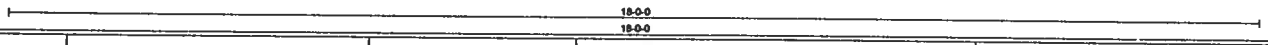
Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	PB	HIP PIGGYBACK	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:32 2006 Page 1



Scale: 3/8"=1'





LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 58 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

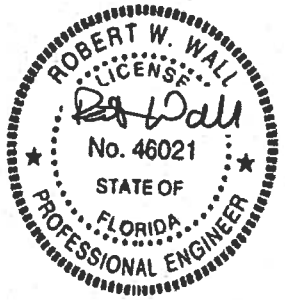
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=-8/18-0-0, 7=-8/18-0-0, 2=153/18-0-0, 8=303/18-0-0, 6=153/18-0-0, 9=389/18-0-0, 11=303/18-0-0
Max Horz 1=32(load case 5)
Max Uplift1=-31(load case 4), 7=-17(load case 5), 2=-147(load case 6), 8=-221(load case 7), 6=-140(load case 7), 9=-306(load case 5), 11=-228(load case 6)
Max Grav1=32(load case 6), 7=21(load case 10), 2=154(load case 10), 8=303(load case 1), 6=154(load case 11), 9=393(load case 10), 11=303(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=23, 2-3=19, 3-12=-5, 4-12=-5, 4-13=-5, 5-13=-5, 5-6=-56, 6-7=23
BOT CHORD 2-11=25, 10-11=5, 9-10=5, 8-9=5, 6-8=25
WEBS 5-8=-218, 4-9=-287, 3-11=-218

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1, 17 lb uplift at joint 7, 147 lb uplift at joint 2, 221 lb uplift at joint 8, 140 lb uplift at joint 6, 306 lb uplift at joint 9 and 228 lb uplift at joint 11.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 8, 6, 9, 11.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard



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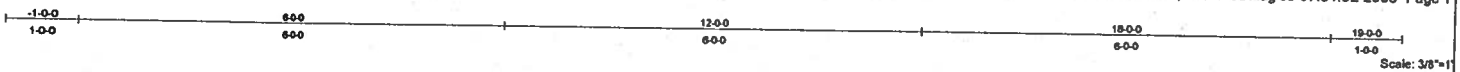
08/09/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	PB1	HIP PIGGYBACK	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:32 2006 Page 1



Scale: 3/8"=1'

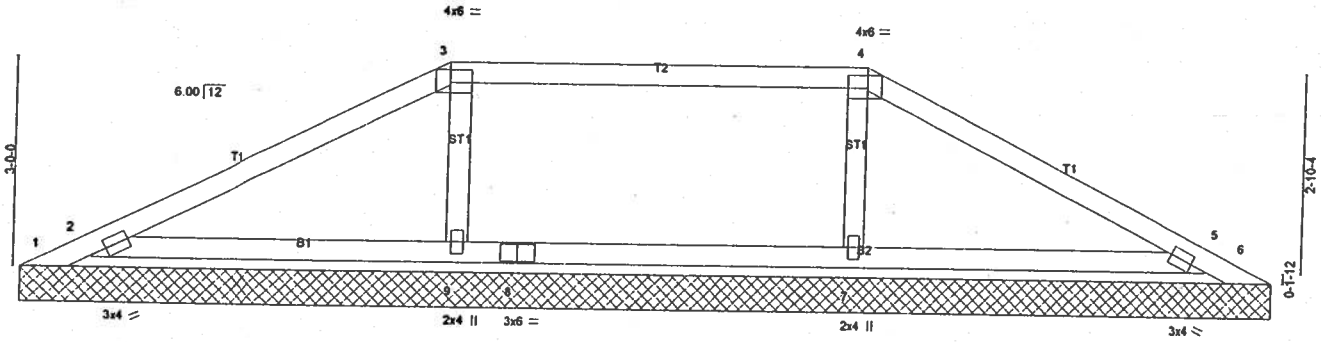


Plate Offsets (X,Y): [2:0-2-10,0-1-8], [3:0-3-8,0-2-4], [4:0-3-8,0-2-4], [5:0-2-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

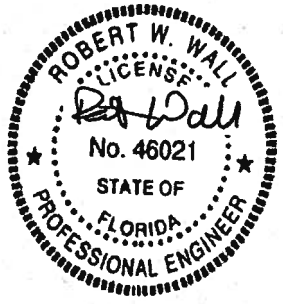
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=-138/18-0-0, 6=-138/18-0-0, 2=372/18-0-0, 7=409/18-0-0, 9=409/18-0-0, 5=372/18-0-0
Max Horz 1=49(load case 5)
Max Uplift 1=-138(load case 1), 6=-138(load case 1), 2=-361(load case 6), 7=-298(load case 7), 9=-308(load case 6), 5=-351(load case 7)
Max Grav 1=173(load case 6), 6=152(load case 7), 2=372(load case 1), 7=422(load case 11), 9=422(load case 10), 5=372(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=76, 2-3=32, 3-4=-15, 4-5=-91, 5-6=76
BOT CHORD 2-9=32, 8-9=15, 7-8=15, 5-7=32
WEBS 4-7=-295, 3-9=-295

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 6-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 1, 138 lb uplift at joint 6, 361 lb uplift at joint 2, 298 lb uplift at joint 7, 308 lb uplift at joint 9 and 351 lb uplift at joint 5.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 7, 9, 5.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

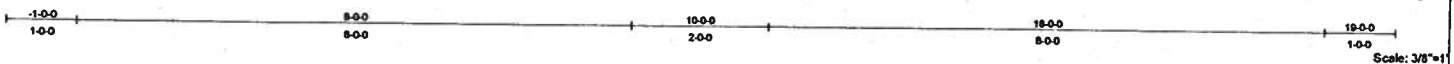


Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

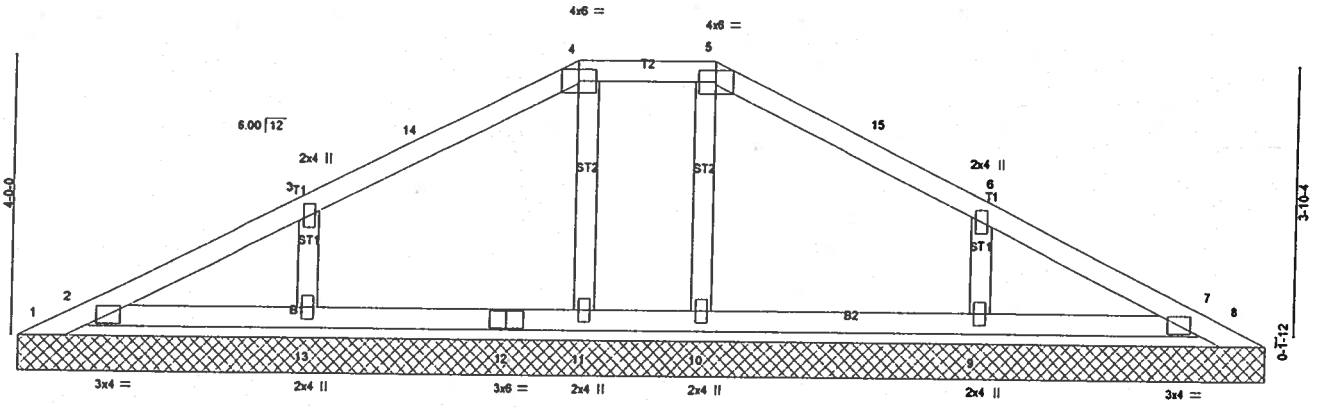
08/09/2006

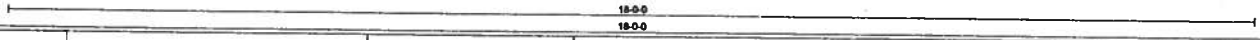
Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const Inc_Riopelle_Roof
MASTER	PB2	HIP PIGGYBACK	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:51:33 2006 Page 1



Scale: 3/8"=1'





LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 67 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

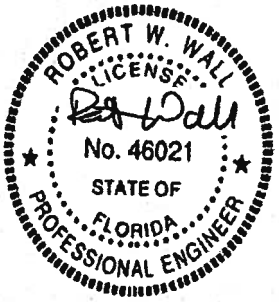
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=-26/18-0-0, 8=-26/18-0-0, 2=183/18-0-0, 10=199/18-0-0, 11=199/18-0-0, 7=183/18-0-0, 13=287/18-0-0, 9=287/18-0-0
Max Horz 1=-67(load case 4)
Max Uplift1=-27(load case 10), 8=-27(load case 11), 2=-148(load case 6), 10=-101(load case 6), 11=-108(load case 6), 7=-138(load case 7), 13=-288(load case 6), 9=-288(load case 7)
Max Grav1=51(load case 6), 8=31(load case 7), 2=183(load case 10), 10=221(load case 11), 11=221(load case 10), 7=183(load case 11), 13=287(load case 1), 9=287(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=31, 2-3=25, 3-14=-68, 4-14=26, 4-5=-11, 5-15=26, 6-15=-68, 6-7=-53, 7-8=31
BOT CHORD 2-13=17, 12-13=17, 11-12=17, 10-11=11, 9-10=17, 7-9=17
WEBS 5-10=-145, 4-11=-145, 3-13=-206, 6-9=-206

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 1, 27 lb uplift at joint 8, 148 lb uplift at joint 2, 101 lb uplift at joint 10, 108 lb uplift at joint 11, 138 lb uplift at joint 7, 288 lb uplift at joint 13 and 288 lb uplift at joint 9.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 10, 11, 7, 13, 9.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
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08/09/2006

Architectural Services and Engineering, Inc

24710 SR 54, Lutz, Fl 33559 Phone: 813-948-2812 EBO 7882

Engineering Index Sheet

Truss Fabricator: Builders First Source
Tampa, Fl 33619

Permit Number: _____ Lot Number:_____

Customer Info:_____ Address: _____

The Information in this box is for administrative purpsoes only and not part of the engineering review.

Software : MiTek Industries, Inc. Refer to sheets for version number.
Loading : Refer to sheets Typical Floor 55 psf, Typical Roof 37 psf

Job Number RIOPE Specification Quantity 9

A Professional Engineer's seal on to this Index Sheet indicates the acceptance of Professional Engineering responsibilities for individual truss components fabricated in accordance with the listed and attached Truss Specification Sheets. Determination as to the suitability of these individual truss components for any structure is the responsibility of the Building Designer, as defined in ANSI/TPI 1-2002, Section 2.2. Permanent files of the original Truss Specification Sheets are maintained by Architectural Services and Engineering, Inc. Questions regarding this Index Sheet and/or the attached Specification Sheets may be directed to the truss fabricator listed above .

Truss ID	Truss ID	Truss ID	Truss ID	Truss ID	Truss ID	Truss ID
FT						
FT1						
FT2						
FT3						
FT4						
FT4A						
FT5						
FT6						
FT7						

8/10/04

ENGINEER OF RECORD
Not Specified

Robert W. Wall P.E.
F. Reg. 46021

BT06-1976

Architectural Services and Engineering, Inc.

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24710 State Road 54
Lutz, Florida 33559
1-813-948-2812 FAX: 1-813-949-2016
Florida engineering license CA 7882

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3000 Sage Road, Suite 1374
Houston, Texas 77056
1-713-963-8840 FAX: 1-713-963-9840
Texas engineering license 95105

E-Mail: office@asande.com
Designers and engineers since 1965

TRUSS REVIEW COVER SHEET

Job Number	Date Received	Checked By	Date Checked
RIOPE FL	8.9.06	Ryan	8/9/06

☐ Hold (date) _____

☑ Number of Trusses 9

☐ Number of Raised Sealed Copies _____

☐ Number of Flat Sealed Copies _____

☑ Cover Sheet

3

BFS-TAMPA
Mailed daily. UPS GROUND only.

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT	FLOOR	12	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50:01 2006 Page 1

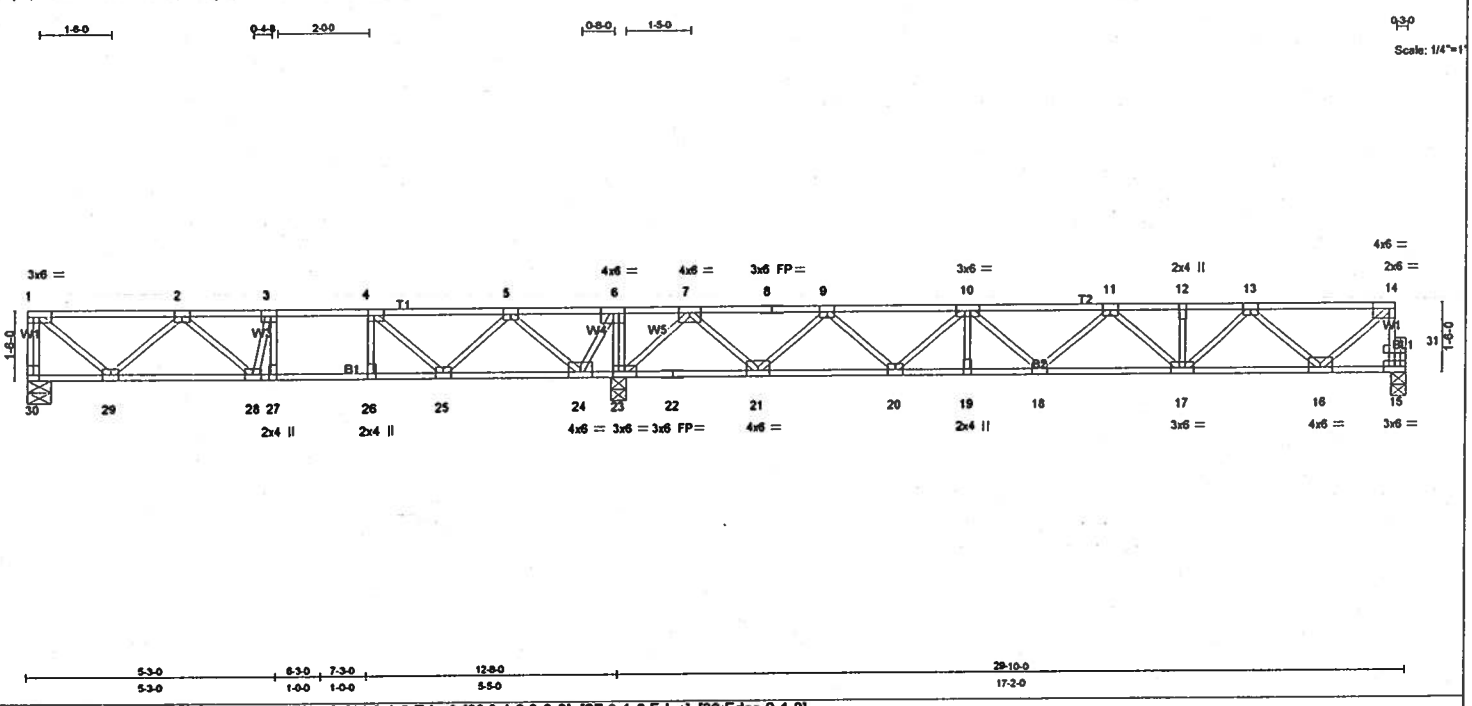


Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [14:0-1-8,Edge], [26:0-1-8,0-0-0], [27:0-1-8,Edge], [30:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.63	Vert(LL)	-0.12	18	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.87	Vert(TL)	-0.18	18	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.04	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 30=506/0-6-0, 15=786/0-4-0, 23=1943/0-4-0
Max Grav30=594(load case 2), 15=823(load case 4), 23=1943(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-30=-500, 15-31=-779, 14-31=-779, 1-2=-443, 2-3=-818, 3-4=-726, 4-5=-128, 5-6=1203, 6-7=1641, 7-8=-289, 8-9=-289, 9-10=-1537, 10-11=-2058, 11-12=-1849, 12-13=-1849, 13-14=-814
BOT CHORD 29-30=-0, 28-29=827, 27-28=742, 26-27=726, 25-26=726, 24-25=-399, 23-24=-1641, 22-23=-535, 21-22=-535, 20-21=1083, 19-20=1978, 18-19=1978, 17-18=2105, 16-17=1499, 15-16=71
WEBS 3-27=-339, 4-26=165, 6-23=-930, 1-29=581, 2-29=-521, 2-28=-13, 3-28=302, 4-25=-797, 5-25=714, 5-24=-1091, 6-24=877, 14-16=990, 13-16=-930, 13-17=466, 12-17=-51, 11-17=-341, 11-18=-64, 10-18=106, 10-19=6, 10-20=-588, 9-20=615, 9-21=-1077, 7-21=1118, 7-23=-1482

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 22 and 8.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT1	FLOOR	7	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50:02 2006 Page 1

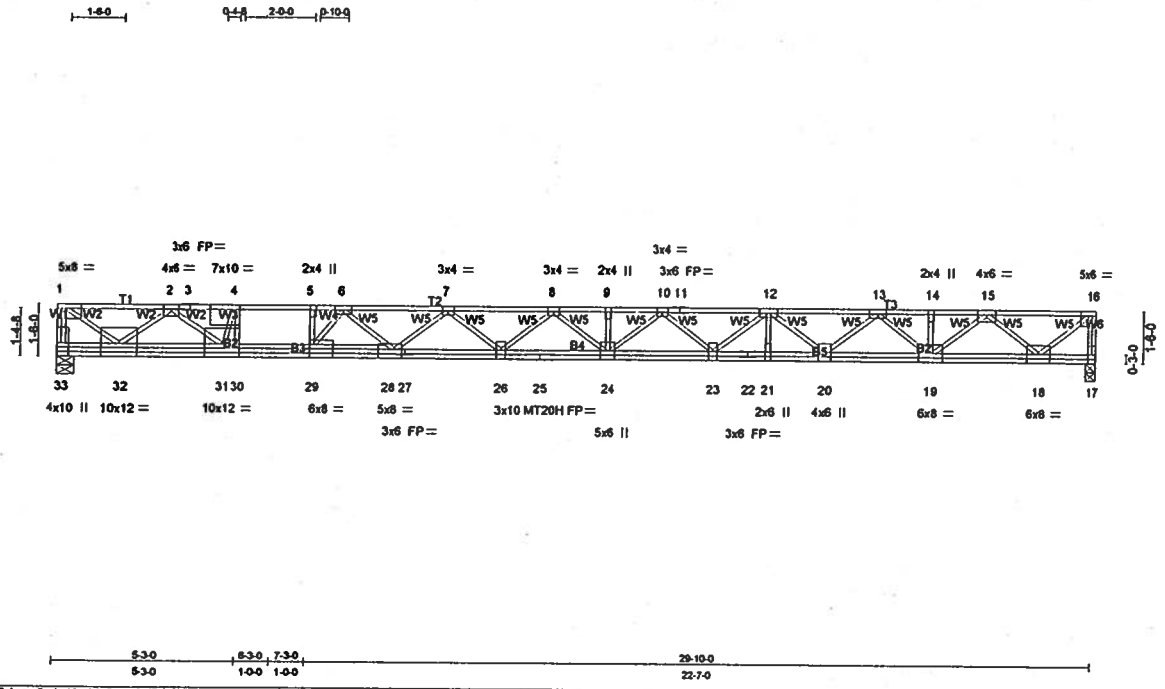


Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [28:0-2-8,Edge], [29:0-1-8,Edge], [33:Edge,0-1-8]

LOADING (psf)		SPACING	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.83	Vert(LL)	-0.79	24-26	>452	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.97	Vert(TL)	-1.23	24-26	>289	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.09	17	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 212 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2 *Except*
T2 4 X 2 SYP No.1D
BOT CHORD 4 X 2 SYP No.1D *Except*
B5 4 X 2 SYP No.2, B4 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

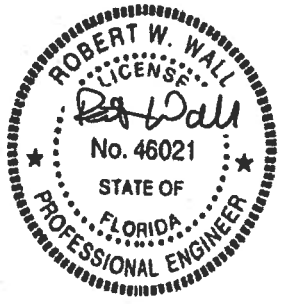
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 30-31,29-30.

REACTIONS (lb/size) 33=1085/0-6-0, 17=1085/0-4-0

FORCES (lb) - First Load Case Only
TOP CHORD 1-33=-1075, 16-17=-1078, 1-2=-1275, 2-3=-3484, 3-4=-3484, 4-5=-4236, 5-6=-4236, 6-7=-5436, 7-8=-5888, 8-9=-6085, 9-10=-6085, 10-11=-5638, 11-12=-5638, 12-13=-4687, 13-14=-3247, 14-15=-3247, 15-16=-1229
BOT CHORD 32-33=-0, 31-32=2438, 30-31=4139, 29-30=4236, 28-29=4891, 27-28=5768, 26-27=5802, 25-26=6090, 24-25=6090, 23-24=5962, 22-23=5306, 21-22=5306, 20-21=5306, 19-20=4088, 18-19=2347, 17-18=0
WEBS 4-30=1879, 5-29=316, 1-32=1608, 2-32=-1515, 2-31=1358, 4-31=-2338, 16-18=1580, 15-18=-1485, 15-19=1176, 14-19=-27, 13-19=-1098, 13-20=797, 12-20=-808, 12-21=28, 12-23=433, 10-23=-431, 10-24=161, 9-24=-42, 8-24=-7, 8-26=-269, 7-26=114, 7-28=-456, 6-28=753, 6-29=-1125

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 11, 22, 25, 27 and 3.
5) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



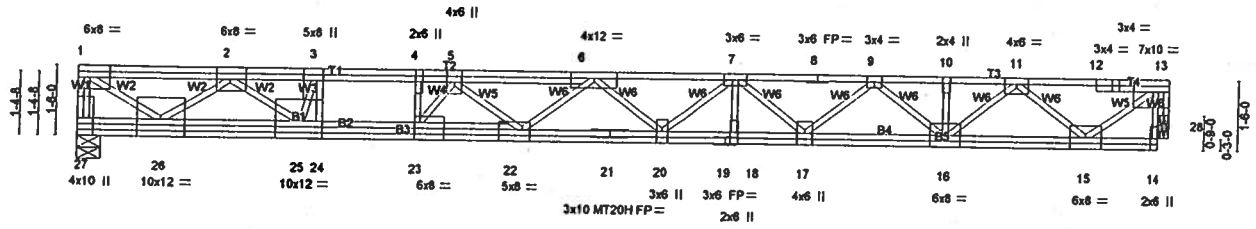
Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT2	FLOOR	2	1	
Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource					Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50:03 2006 Page 1

Scale: 1/4"=1'



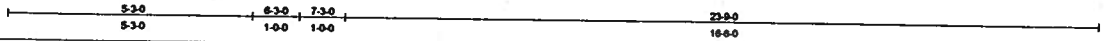


Plate Offsets (X,Y): [3:0-3-0,Edge], [4:0-3-0,0-0-0], [12:0-1-2,Edge], [13:0-4-8,Edge], [14:0-3-0,Edge], [22:0-2-0,Edge], [23:0-1-8,Edge], [27:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.94	Vert(LL)	-0.45	20	>620	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.87	Vert(TL)	-0.71	20	>397	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.01	28	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 188 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.1D *Except*
B4 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3
OTHERS 4 X 2 SYP No.3

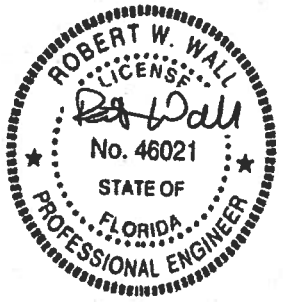
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 27=1289/0-6-0, 28=1288/0-2-8

FORCES (lb) - First Load Case Only
TOP CHORD 1-27=-1279, 14-28=18, 13-28=-1280, 1-2=-1556, 2-3=-4169, 3-4=-4887, 4-5=-4887, 5-6=-6067, 6-7=-5744, 7-8=-5062, 8-9=-5062, 9-10=-3714, 10-11=-3714, 11-12=-1515, 12-13=-1522
BOT CHORD 26-27=0, 25-26=2964, 24-25=4804, 23-24=4887, 22-23=5576, 21-22=6181, 20-21=6179, 19-20=5597, 18-19=5597, 17-18=5597, 16-17=4552, 15-16=2729, 14-15=49
WEBS 3-24=1518, 4-23=448, 1-26=1927, 2-26=-1796, 2-25=1536, 3-25=-2137, 13-15=1824, 11-15=-1613, 11-16=1285, 10-16=-87, 9-16=-1095, 9-17=678, 7-17=-698, 7-18=109, 7-20=187, 6-20=-546, 6-22=-142, 5-22=666, 5-23=-1220

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 19, 21 and 8.
4) Bearing at joint(s) 28 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 28.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION. Do not erect truss backwards.

LOAD CASE(S) Standard



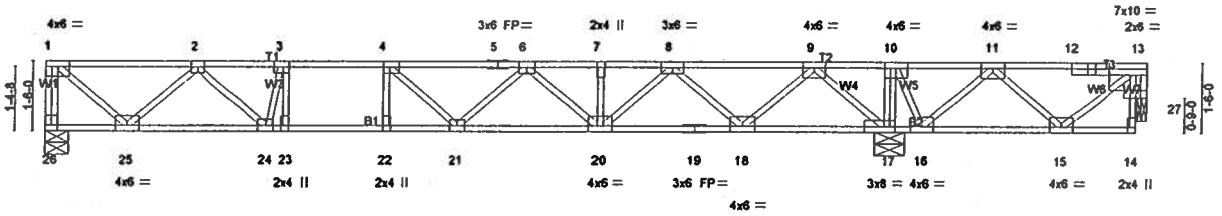
Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT3	FLOOR	2	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50:03 2006 Page 1

Scale: 1/4"=1'



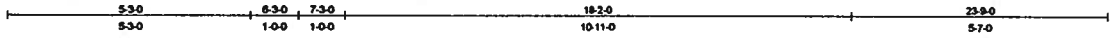


Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [12:0-1-2,Edge], [13:0-4-8,Edge], [14:0-1-8,Edge], [17:0-3-0,Edge], [22:0-1-8,0-0-0], [23:0-1-8,Edge], [26:Edge,0-1-8], [27:0-3-0,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.86	Vert(LL)	-0.17	21-22	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.84	Vert(TL)	-0.27	21-22	>816	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.02	17	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 131 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.1D *Except*
B2 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3
OTHERS 4 X 2 SYP No.3

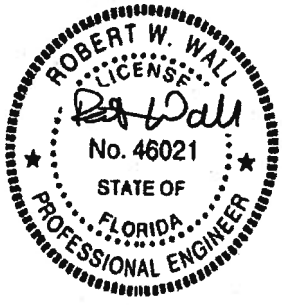
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 17-18,16-17,15-16.

REACTIONS (lb/size) 26=788/0-6-0, 27=-386/0-2-8, 17=2175/0-8-0
Max Uplift27=-597(load case 2)
Max Grav26=790(load case 2), 27=106(load case 3), 17=2175(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-26=-783, 14-27=14, 13-27=389, 1-2=-770, 2-3=-1829, 3-4=-2000, 4-5=-1917, 5-6=-1917, 6-7=-1186, 7-8=-1186, 8-9=353, 9-10=2641, 10-11=2193, 11-12=627, 12-13=626
BOT CHORD 25-26=-0, 24-25=1450, 23-24=1983, 22-23=2000, 21-22=2000, 20-21=1730, 19-20=554, 18-19=554, 17-18=-1292, 16-17=-2641, 15-16=-1245, 14-15=65
WEBS 3-23=372, 4-22=-147, 10-17=-1020, 1-25=1009, 2-25=-922, 2-24=512, 3-24=-612, 4-21=-111, 6-21=254, 6-20=-724, 7-20=-54, 8-20=841, 8-18=-1231, 9-18=1273, 9-17=-1749, 13-15=-877, 11-15=838, 11-16=-1286, 10-16=978

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 19 and 5.
4) Bearing at joint(s) 27 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 27.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 597 lb uplift at joint 27.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT4	FLOOR	13	1	
Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource					Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50.04 2006 Page 1

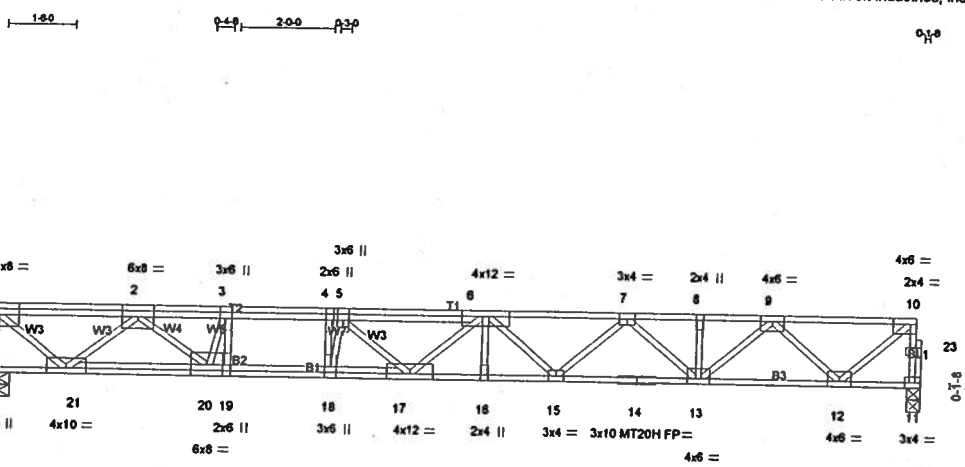


Plate Offsets (X,Y): [4:0-3-0,0-0-0], [10:0-1-8,Edge], [19:0-3-0,Edge], [22:Edge,0-1-8], [23:0-1-8,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.60	Vert(LL)	-0.30	17-18	>800	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.83	Vert(TL)	-0.47	17-18	>512	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.07	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 134 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.1D *Except*
B3 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

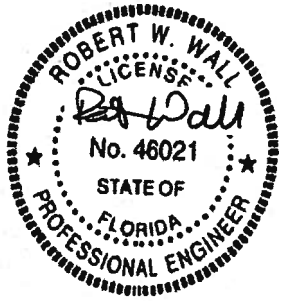
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 22=1093/0-6-0, 11=1087/0-3-8

FORCES (lb) - First Load Case Only
TOP CHORD 1-22=-1085, 11-23=-1081, 10-23=-1080, 1-2=-1369, 2-3=-3218, 3-4=-3665, 4-5=-3708, 5-6=-4277, 6-7=-3796, 7-8=-2838, 8-9=-2838, 9-10=-1134
BOT CHORD 21-22=0, 20-21=2333, 19-20=3619, 18-19=3665, 17-18=3945, 16-17=4217, 15-16=4181, 14-15=3446, 13-14=3446, 12-13=2148, 11-12=49
WEBS 3-19=899, 4-18=857, 1-21=1663, 2-21=-1331, 2-20=1150, 3-20=-1429, 10-12=1446, 9-12=-1376, 9-13=919, 8-13=-40, 7-13=-810, 7-15=470, 6-15=-482, 6-16=-176, 6-17=84, 5-17=456, 5-18=-1264

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 14.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT4A	FLOOR	4	1	

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource

Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50:04 2006 Page 1

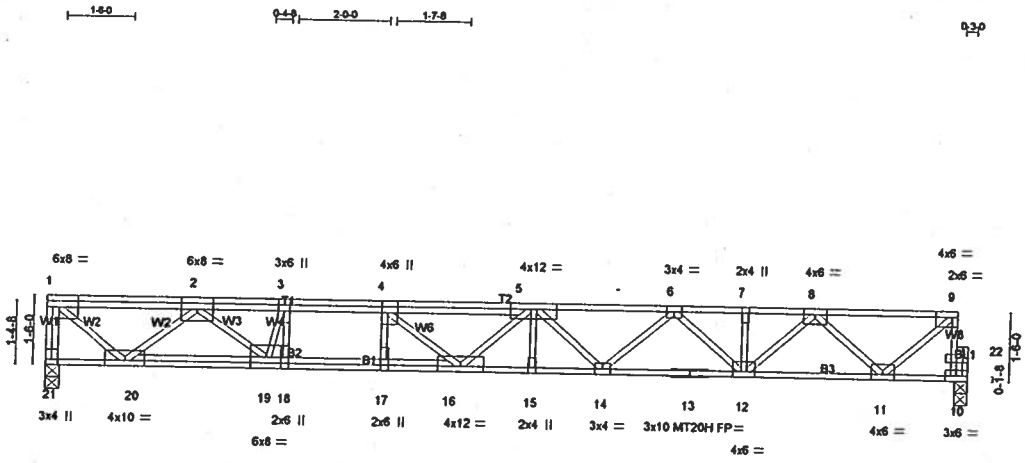


Plate Offsets (X,Y): [4:0-3-0,Edge], [9:0-1-8,Edge], [17:0-3-0,0-0-0], [18:0-3-0,Edge], [21:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.66	Vert(LL)	-0.31	16-17	>769	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.94	Vert(TL)	-0.48	16-17	>493	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.07	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.1D *Except*
B3 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

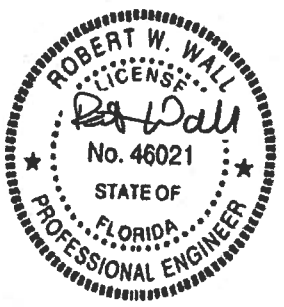
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
2-2-0 oc bracing: 18-19,17-18.

REACTIONS (lb/size) 21=1090/0-3-8, 10=1077/0-3-8

FORCES (lb) - First Load Case Only
TOP CHORD 1-21=-1082, 10-22=-1070, 9-22=-1070, 1-2=-1365, 2-3=-3196, 3-4=-3687, 4-5=-4195, 5-6=-3793, 6-7=-2854, 7-8=-2854, 8-9=-1171
BOT CHORD 20-21=0, 19-20=2326, 18-19=3631, 17-18=3687, 16-17=3687, 15-16=4212, 14-15=4176, 13-14=3442, 12-13=3442, 11-12=2174, 10-11=97
WEBS 3-18=1084, 4-17=-488, 1-20=1659, 2-20=-1326, 2-19=1130, 3-19=-1551, 9-11=1430, 8-11=-1361, 8-12=906, 7-12=-49, 6-12=-783, 6-14=471, 5-14=-480, 5-15=-182, 5-16=-17, 4-16=664

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 13.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT5	FLOOR	1	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50:05 2006 Page 1

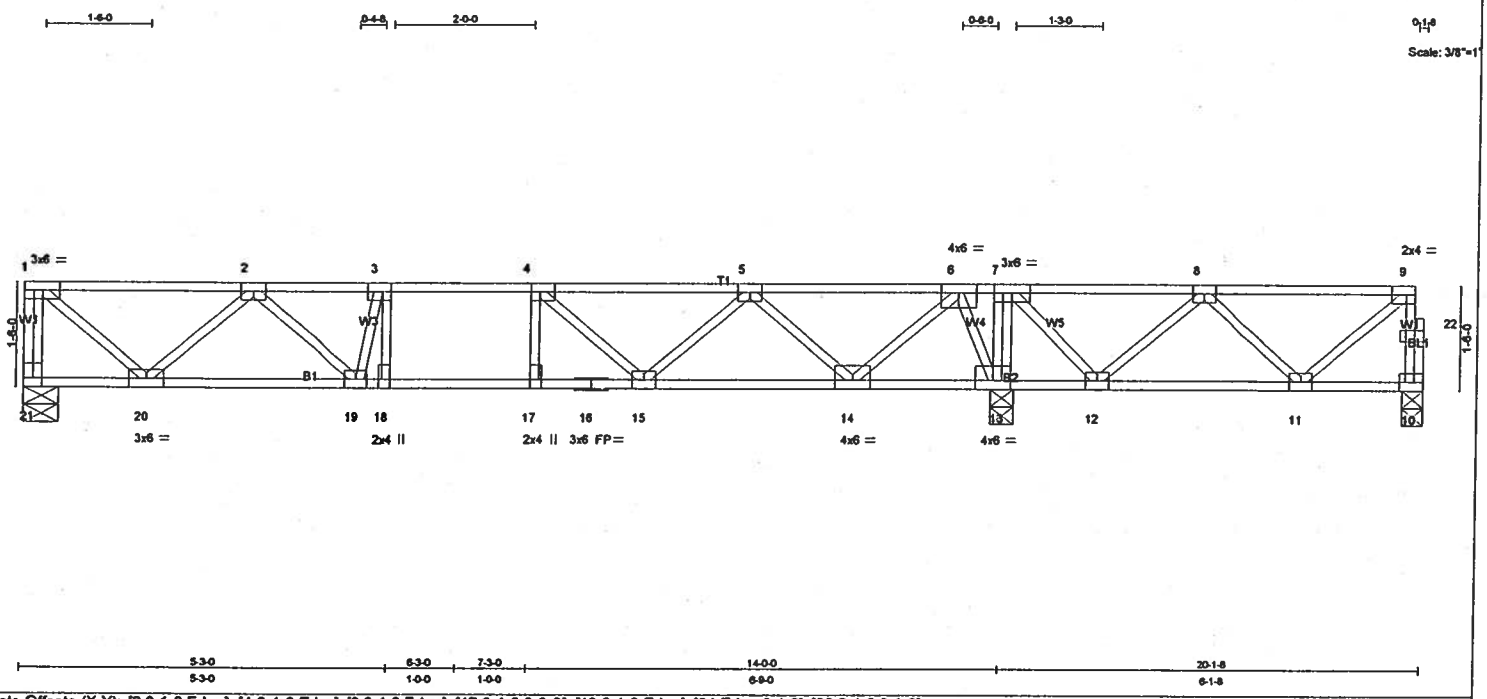


Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [17:0-1-8,0-0-0], [18:0-1-8,Edge], [21:Edge,0-1-8], [22:0-1-8,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.54	Vert(LL)	-0.06	18	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.52	Vert(TL)	-0.09	18	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.01	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 110 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 21=639/0-6-0, 10=37/0-3-8, 13=1503/0-4-0
Max Uplift10=-187(load case 2)
Max Grav21=644(load case 2), 10=236(load case 3), 13=1503(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-21=-634, 10-22=-33, 9-22=-33, 1-2=-597, 2-3=-1296, 3-4=-1326, 4-5=-976, 5-6=87, 6-7=1209, 7-8=728, 8-9=98
BOT CHORD 20-21=0, 19-20=1121, 18-19=1326, 17-18=1326, 16-17=1326, 15-16=1326, 14-15=617, 13-14=-818, 12-13=-1209, 11-12=-223, 10-11=2
WEBS 3-18=-17, 4-17=24, 7-13=-620, 1-20=782, 2-20=-710, 2-19=237, 3-19=-121, 4-15=-466, 5-15=487, 5-14=-955, 6-14=991, 6-13=-945, 9-11=-133, 8-11=170, 8-12=-685, 7-12=681

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 16.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 10.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT6	FLOOR	3	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50:05 2006 Page 1

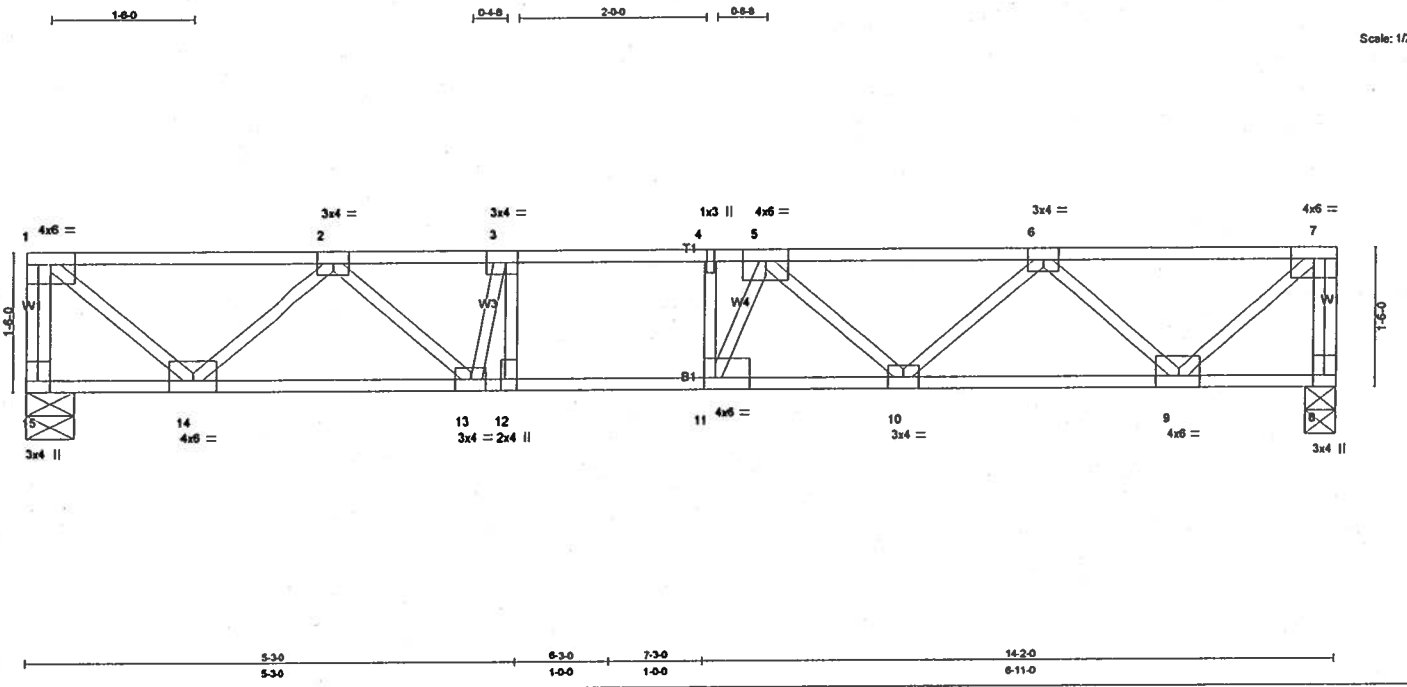


Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [15:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.50	Vert(LL)	-0.13	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.86	Vert(TL)	-0.19	10-11	>902	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 78 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 15=765/0-6-0, 8=765/0-4-0

FORCES (lb) - First Load Case Only
TOP CHORD 1-15=-760, 7-8=-758, 1-2=-743, 2-3=-1752, 3-4=-1879, 4-5=-1879, 5-6=-1701, 6-7=-749
BOT CHORD 14-15=-0, 13-14=1398, 12-13=1869, 11-12=1879, 10-11=1919, 9-10=1419, 8-9=0
WEBS 3-12=210, 4-11=33, 1-14=973, 2-14=-889, 2-13=477, 3-13=-465, 7-9=981, 6-9=-909, 6-10=382, 5-10=-296, 5-11=-100

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

ROBERT W. WALL LICENSE No. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006

Job	Truss	Truss Type	Qty	Ply	Burton L. Fish Const. Inc_Riopelle_Fl
MASTER	FT7	FLOOR	13	1	Job Reference (optional)

Tampa, Builders FirstSource, Tampa, Florida 33619, Builders FirstSource — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 09 07:50:06 2006 Page 1

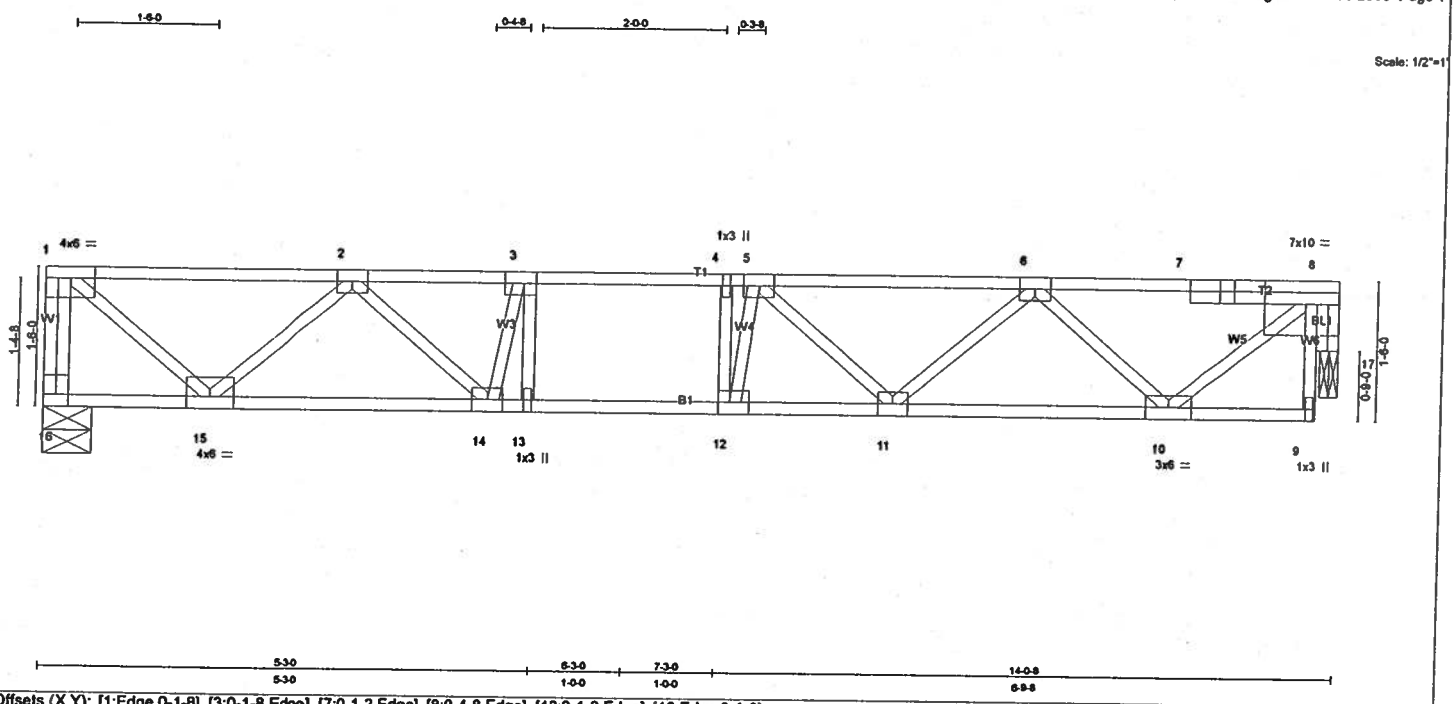


Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-1-8,Edge], [7:0-1-2,Edge], [8:0-4-8,Edge], [12:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.49	Vert(LL)	-0.11	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.81	Vert(TL)	-0.17	11-12	>985	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.01	17	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 78 lb	

LUMBER
TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3
OTHERS 4 X 2 SYP No.3

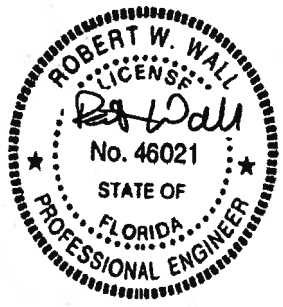
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 16=755/0-6-0, 17=754/0-2-8

FORCES (lb) - First Load Case Only
TOP CHORD 1-16=-750, 9-17=15, 8-17=-747, 1-2=-731, 2-3=-1714, 3-4=-1833, 4-5=-1840, 5-6=-1670, 6-7=-788, 7-8=-794
BOT CHORD 15-16=-0, 14-15=1376, 13-14=1824, 12-13=1833, 11-12=1884, 10-11=1395, 9-10=46
WEBS 3-13=188, 4-12=161, 1-15=957, 2-15=-875, 2-14=458, 3-14=-435, 8-10=940, 6-10=-823, 6-11=374, 5-11=-289, 5-12=-223

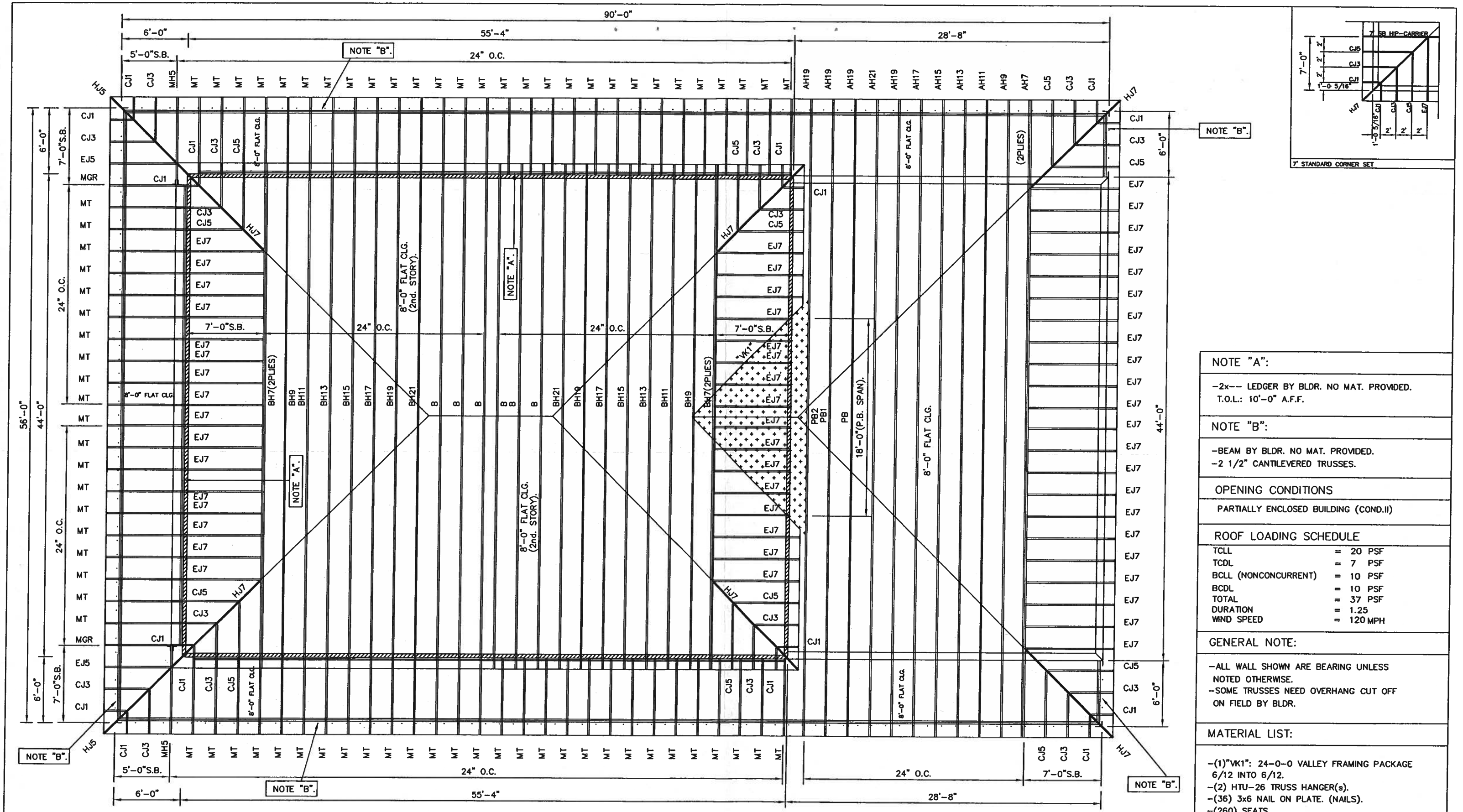
NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 17.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Robert W. Wall, PE 46021
24710 State Road 54 Lutz, Fl 33559

08/10/2006



NOTE "A":

-2x-- LEDGER BY BLDR. NO MAT. PROVIDED.
T.O.L.: 10'-0" A.F.F.

NOTE "B":

-BEAM BY BLDR. NO MAT. PROVIDED.
-2 1/2" CANTILEVERED TRUSSES.

OPENING CONDITIONS

PARTIALLY ENCLOSED BUILDING (COND.II)

ROOF LOADING SCHEDULE

TCLL	=	20 PSF
TCDL	=	7 PSF
BCLL (NONCONCURRENT)	=	10 PSF
BCDL	=	10 PSF
TOTAL	=	37 PSF
DURATION	=	1.25
WIND SPEED	=	120 MPH

GENERAL NOTE:

-ALL WALL SHOWN ARE BEARING UNLESS NOTED OTHERWISE.
-SOME TRUSSES NEED OVERHANG CUT OFF ON FIELD BY BLDR.

MATERIAL LIST:

-(1)"VK1": 24-0-0 VALLEY FRAMING PACKAGE 6/12 INTO 6/12.
-(2) HTU-26 TRUSS HANGER(s).
-(36) 3x6 NAIL ON PLATE. (NAILS).
-(260) SEATS.

BUILDERS FIRSTSOURCE
1820 MASSARO BLVD
TAMPA, FL 33619
PHONE: 813-621-9831
FAX (MAIN): 813-627-9477, (TRUSS DEPT): 813-627-9131.

ALL DIMENSIONS, TRUSS SPANS, AND PROFILES CONTAINED IN THIS PLACEMENT PLAN MUST BE VERIFIED PRIOR TO TRUSS FABRICATION.

APPROVED BY:

DATE:

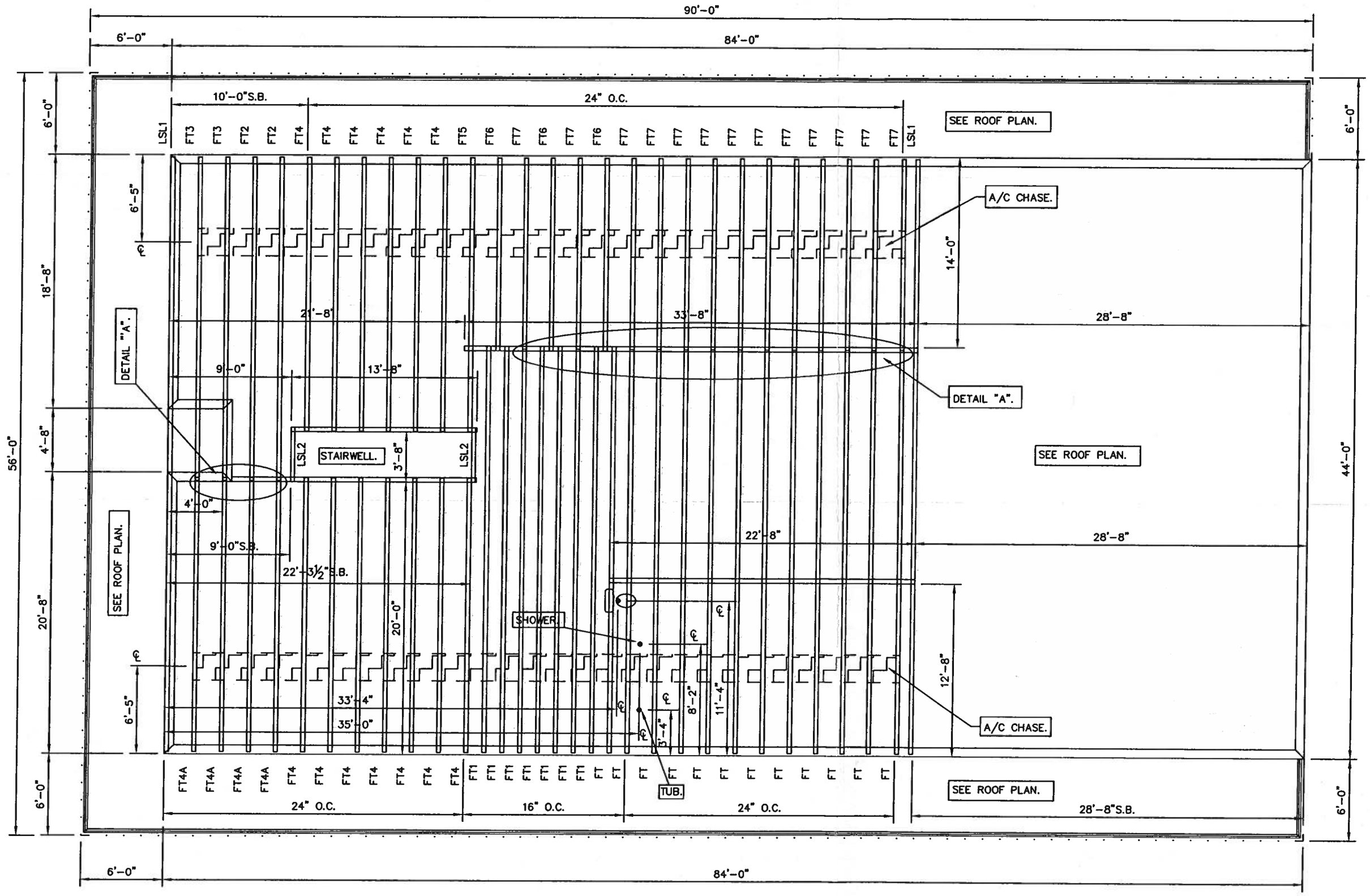
ALL WALLS/BEAMS SHOWN INTERIOR OR EXTERIOR ARE LOAD BEARING. THIS PLACEMENT PLAN AND/OR TRUSS DETAILS NEED TO BE REVIEWED BY FRAMING, PLUMBING, ELECTRICAL AND MECHANICAL CONTRACTORS. NOTIFY US IMMEDIATELY IF ANY CHANGES IN PLACEMENT AND OR DESIGN ARE NEEDED. DO NOT CUT TRUSSES! THE BUILDER OR ERECTION CONTRACTOR IS RESPONSIBLE FOR PROPER WOOD TRUSS HANDLING AND TEMPORARY/PERMANENT BRACING. SEE H.I.B. 91 ATTACHED.

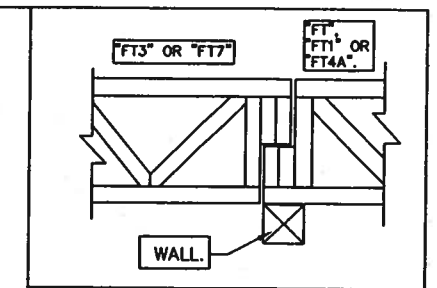
PLEASE TAKE TIME TO NOTIFY US IMMEDIATELY BEFORE ANY FIELD MODIFICATIONS AND/OR BEFORE ANY WORK FROM OTHER TRADES FURTHER ADDS TO THE PROBLEM. ANY REPAIRS, CHANGES, OR MODIFICATIONS NOT APPROVED BY BUILDERS FIRSTSOURCE MAY VOID ALL WARRANTIES.

ANY BACK CHARGES THAT ARE SUBMITTED FOR PAYMENT AND/OR CREDIT REGARDLESS OF REASON WILL NOT BE ACCEPTED UNLESS PREVIOUSLY AUTHORIZED BY BUILDERS FIRSTSOURCE.

DRAWN BY: C.M.	DATE 05/11/06	COMPANY	BURTON L. FISH CONST. UNC.			
REVISED BY:	DATE	MODEL / ELEVATION	RIOPELLE. ROOF.			
		T.C. PITCH 6/12	B.C. PITCH FLAT	LOADING 37 P.S.F.	OVERHANG 12"	BEARING 4" & 8"
		CUT PLUMB	SPACING 24" O.C.	DATE 05/11/06	SCALE: 3/16" = 1'-0"	

JL SIMPSON HTU-26 OR EQUAL
VALLEY FRAMING PACKAGE (PROVIDED).
8-0-0 PT HT
17-4-12 PT HT





DETAIL "A".

BEAM SCHEDULE:

-(2) "LSL 1". (1PLY): 3 1/2"x16"x43-8-0 TIMBERSTRAND BEAM(s).
-(2) "LSL 2". (1PLY): 3 1/2"x16"x4-0-0 TIMBERSTRAND BEAM(s).

FLOOR LOADING SCHEDULE

TCLL	= 40	PSF
TCDL	= 10	PSF
BCLL	=	PSF
BCDL	= 5	PSF
TOTAL	= 55	PSF

GENERAL NOTE:

-ALL WALL SHOWN ARE BEARING UNLESS NOTED OTHERWISE.

MATERIAL LIST:

-(2) 3 /12"x16"x44-0-0 TIMBERSTRAND BEAM(s).
-(2) 3 /12"x16"x6-0-0 TIMBERSTRAND BEAM(s).
-(160) 3.5 SEATS.

BUILDERS FIRSTSOURCE
1620 MASSARO BLVD
TAMPA, FL 33619
PHONE: 813-621-9351
FAX (MAIN): 813-627-9477, (TRUSS DEPT): 813-627-9151.

ALL DIMENSIONS, TRUSS SPANS, AND PROFILES CONTAINED IN THIS PLACEMENT PLAN MUST BE VERIFIED PRIOR TO TRUSS FABRICATION.

APPROVED BY:

DATE:

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DRAWN BY:	DATE
C.M.	05/11/06
REVISED BY:	DATE

COMPANY: BURTON L. FISH CONST. INC.

MODEL / ELEVATION: RIOPELLE. FLOOR.

T.C. PITCH	B.C. PITCH	LOADING	OVERHANG	BEARING
FLAT	FLAT	55 P.S.F.	0"	4" & 8"

DEPTH	SPACING	DATE	SCALE:
18"	16" & 24" O.C.	05/11/06	3/16" = 1'-0"

8-0-0 PT HT