

DATE 06/11/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025911

APPLICANT BENJAMIN ATKINS PHONE 863 412-3822

ADDRESS P.O. BOX 1202 DAVENPORT FL 33836

OWNER BENJAMIN ATKINS PHONE 863 412-9896

ADDRESS 1299 SW MIXSON RD LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE 863 412-3822

LOCATION OF PROPERTY 41S, TR ON TUSTENUGGEE RD, TL ON 240, TR ON MIXON RD,
1 MILE ON LEFT, NEXT TO BIG CONCRETE POWER POLE

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 96000.00

HEATED FLOOR AREA 1920.00 TOTAL AREA 2607.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 16

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 16-5S-17-09272-003 SUBDIVISION MIXON TRACT

LOT 3 BLOCK PHASE UNIT TOTAL ACRES 10.00

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

EXISTING 07-204 BK JH Y

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE, ONE FOOT ABOVE THE ROAD

Check # or Cash 1186

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 \$ 480.00 CERTIFICATION FEE \$ 13.04 SURCHARGE FEE \$ 13.04

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 581.08

INSPECTORS OFFICE CLERKS OFFICE

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

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

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

ck# 1186

left message

Est# 07-204-

For Office Use Only Application # 0704-50 Date Received 4/23/07 By GP Permit # 25911
 Application Approved by - Zoning Official BK Date 11.06.07 Plans Examiner OKJTH Date 6-1-07
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments _____
☐ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit BENJAMIN ATKINS Phone 863-412-3822
 Address P.O. BOX 1202 DAVENPORT FL, 33836
 Owners Name BENJAMIN ATKINS AND JULIA ATKINS Phone 863-412-3822
 911 Address 1299 SW MIXSON RD LAKE CITY FL, 32024
 Contractors Name OWNER'S Phone 863-412-9896
 Address P.O. BOX 1202 DAVENPORT FL, 33836
 Fee Simple Owner Name & Address P.O. BOX 1202 DAVENPORT FL, 33836
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address _____
 Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number R 09272-003 16-55-17 Estimated Cost of Construction _____
 Subdivision Name MIXON TRACT Lot 3 Block _____ Unit _____ Phase _____
 Driving Directions From LAKE CITY TAKE 415 to TUSTENNUGEE RD turn Right, go APPROX. 5 MILES to CR 240 turn (D) go APPROX 3/4 of a mile, turn Right onto MIXON Rd. go APPROX 1 mile, property on L by Big corner.
 Type of Construction HOUSE SFD Number of Existing Dwellings on Property 0
 Total Acreage 10 Lot Size 205'x250' Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 190' Side 576' Side 203.8' Rear 154'
 Total Building Height 16' Number of Stories 1 Heated Floor Area 1920 Roof Pitch 6/12
 TOTAL 2607

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.

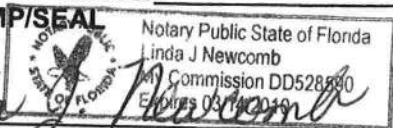
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT 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.

Beyin
 Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 23rd day of March 20 07.
 Personally known X or Produced Identification _____

Contractor Signature _____
 Contractors License Number _____
 Competency Card Number _____
NOTARY STAMP/SEAL

Linda J. Newcomb
 Notary Signature (Revised Sept. 2006)



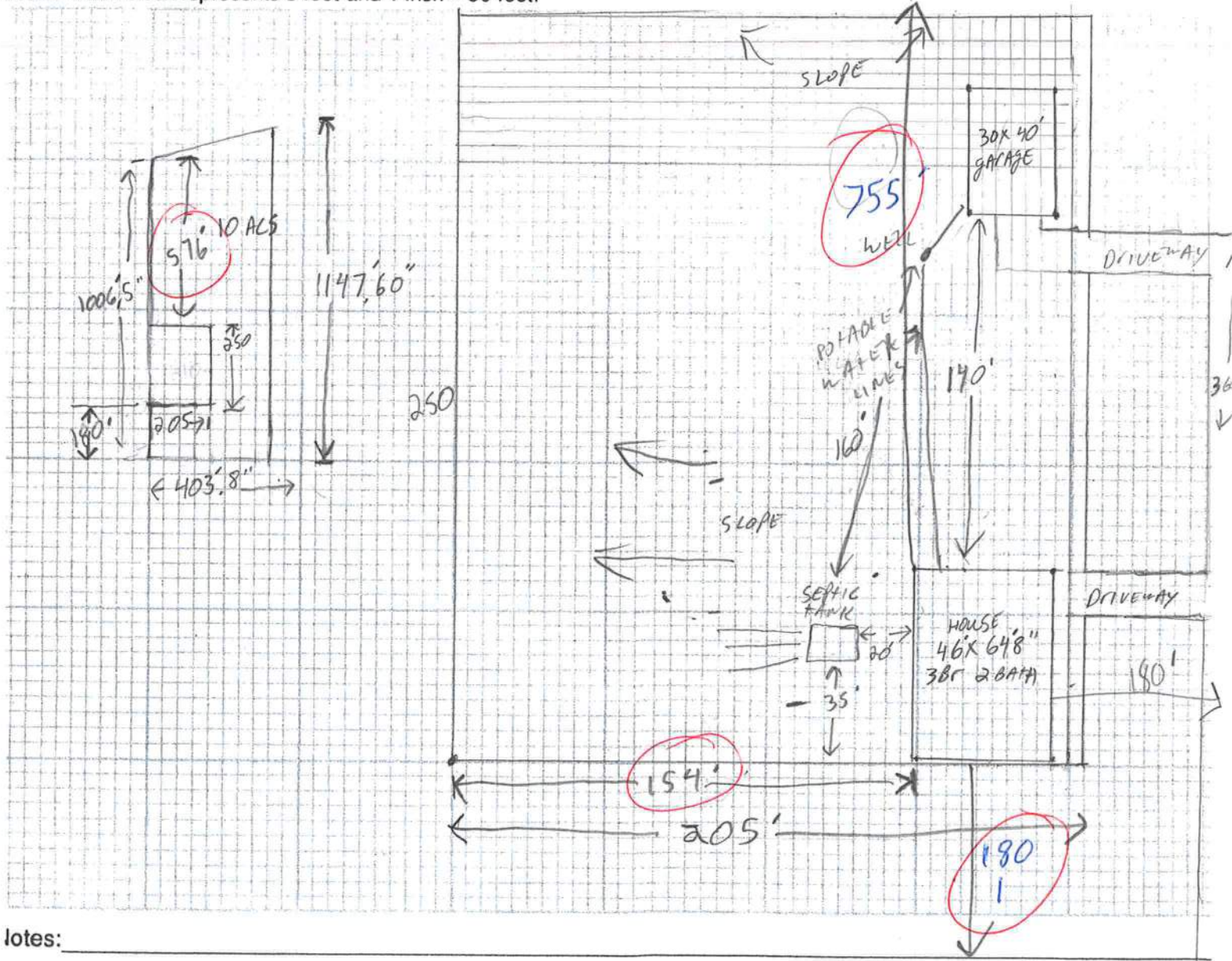
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

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



Notes: _____

Site Plan submitted by: BENJAMIN ATKINS Bay AK

Signature

Owner

Title

Plan Approved _____

Not Approved _____

Date _____

by _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR 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 \$75,000. 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

- ☒ Single Family Dwelling
☐ Farm Outbuilding

- ☐ Two-Family Residence
☐ Other 30' x 40' GARAGE

NEW CONSTRUCTION OR IMPROVEMENT

- ☒ New Construction

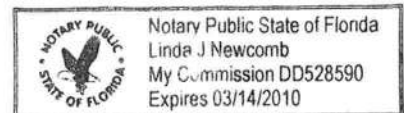
- ☐ Addition, Alteration, Modification or other Improvement

I BENJAMIN ATKINS, 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 _____

Benjamin Atkins
Owner Builder Signature

4/23/07
Date

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



Notary Signature Linda J. Newcomb Date 4/23/07

(Stamp / Seal)

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 _____ Building Official/Representative _____

Prepared by & Return to:
Matthew D. Rocco
Sierra Title, LLC
619 SW Baya Drive, Suite 102
Lake City, Florida 32025

File Number: 07-0022

General Warranty Deed

Made this FEBRUARY 01ST, 2007 A.D. By Marie Y. Maurice and her husband, Biennot Maurice, PO Box 726, Loxahatchee, FL 33470, hereinafter called the grantor, to Ben Atkins and his wife, Julia Atkins, whose post office address is: PO Box 1202, Davenport, FL 33836, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

See Attached Schedule "A"

Parcel ID Number: R09272-003

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

To Have and to Hold, the same in fee simple forever.

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

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Nasreen Jafri
Witness Printed Name NASREEN JAFRI

Jeff Epstein
Witness Printed Name JEFF EPSTEIN

State of Florida
County of Columbia

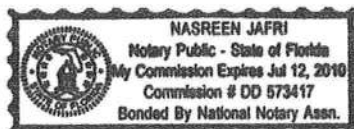
Marie Y. Maurice (Seal)
Marie Y. Maurice
Address: PO Box 726, Loxahatchee, FL 33470

Biennot Maurice (Seal)
Biennot Maurice
Address:

The foregoing instrument was acknowledged before me this 01ST day of FEBRUARY, 2007, by Marie Y. Maurice and her husband, Biennot Maurice, who is/are personally known to me or who has produced FL DRIVER LICENSE as identification.

Nasreen Jafri
Notary Public
Print Name: NASREEN JAFRI

My Commission Expires: 07/12/2010



COLUMBIA COUNTY 9-1-1 ADDRESSING

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

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

Addressing Maintenance

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

DATE REQUESTED: 2/12/2007 DATE ISSUED: 2/15/2007

ENHANCED 9-1-1 ADDRESS:

1299 SW MIXSON

RD

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

16-5S-17-09272-003

Remarks:

LOT 3, MIXSON TRACT

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

FEB 15 2007

911Addressing/GIS Dept

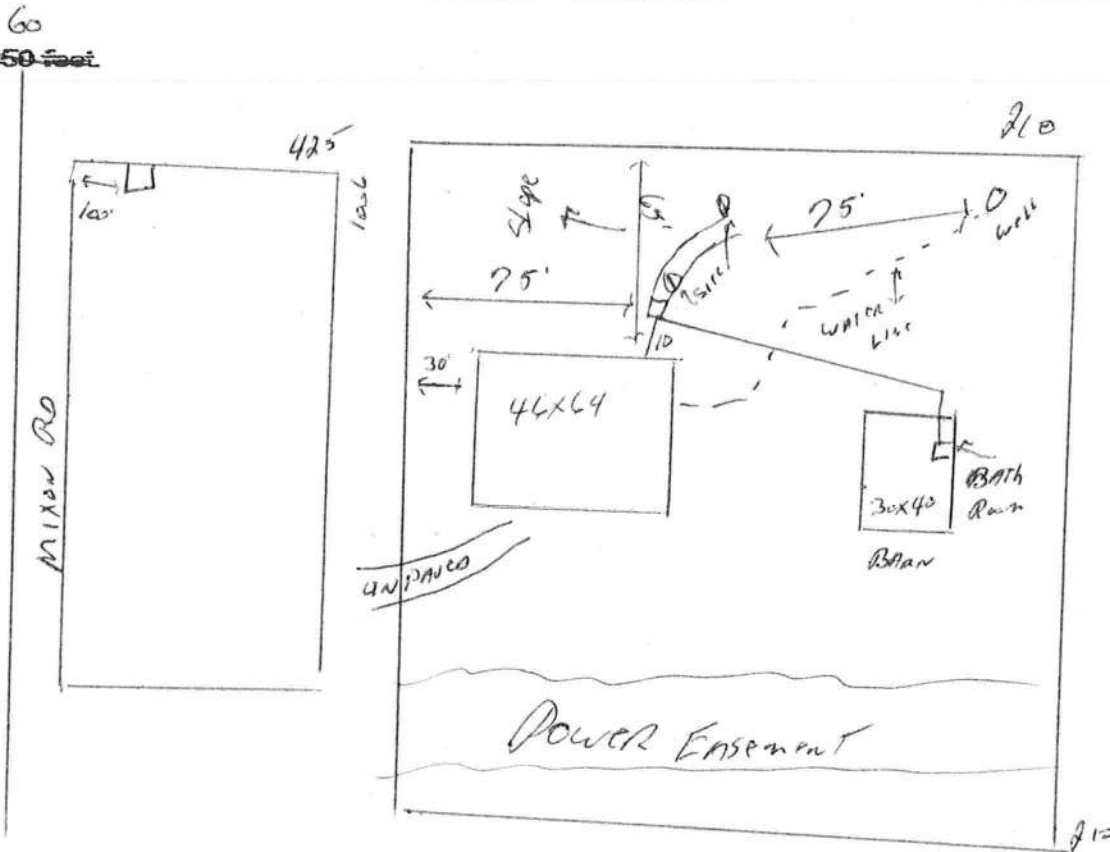
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

07-204

Permit Application Number 12 SR 112644

PART II - SITEPLAN

Scale: 1 inch = 50 feet



NORTH
4

Plan submitted by: RL Ford

Approved: [Signature]

Not Approved

MASTER CONTRACTOR

Date: 3/9/07

Columbus

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

1096 (Replaces HRS-H Form 4076 which may be used)
HRS: 5741.002-515-5

HUGHES WELL DRILLING & PUMP SERVICE

12367 N US HWY 441 OFFICE: (386)-752-1840
LAKE CITY, FLORIDA 32055 FAX: (386)-755-2934

EMAIL: HUGWELL1840@AOL.COM

Columbia County Building and Zoning
PO Box 1529
Lake City, FL. 32056-1529

Attn: Gale Tedder / Janis

Subject: Requested Info: Ben & Julie Atkins 16-05-17-09272-003

1.4" Deep well
2.1-hp pump-20gpm
3.32 Gallon Bladder Tank-eqv.82 gallon tank
4.1¼" pvc drop pipe
5.1-Cycle stop valve

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

Sincerely,

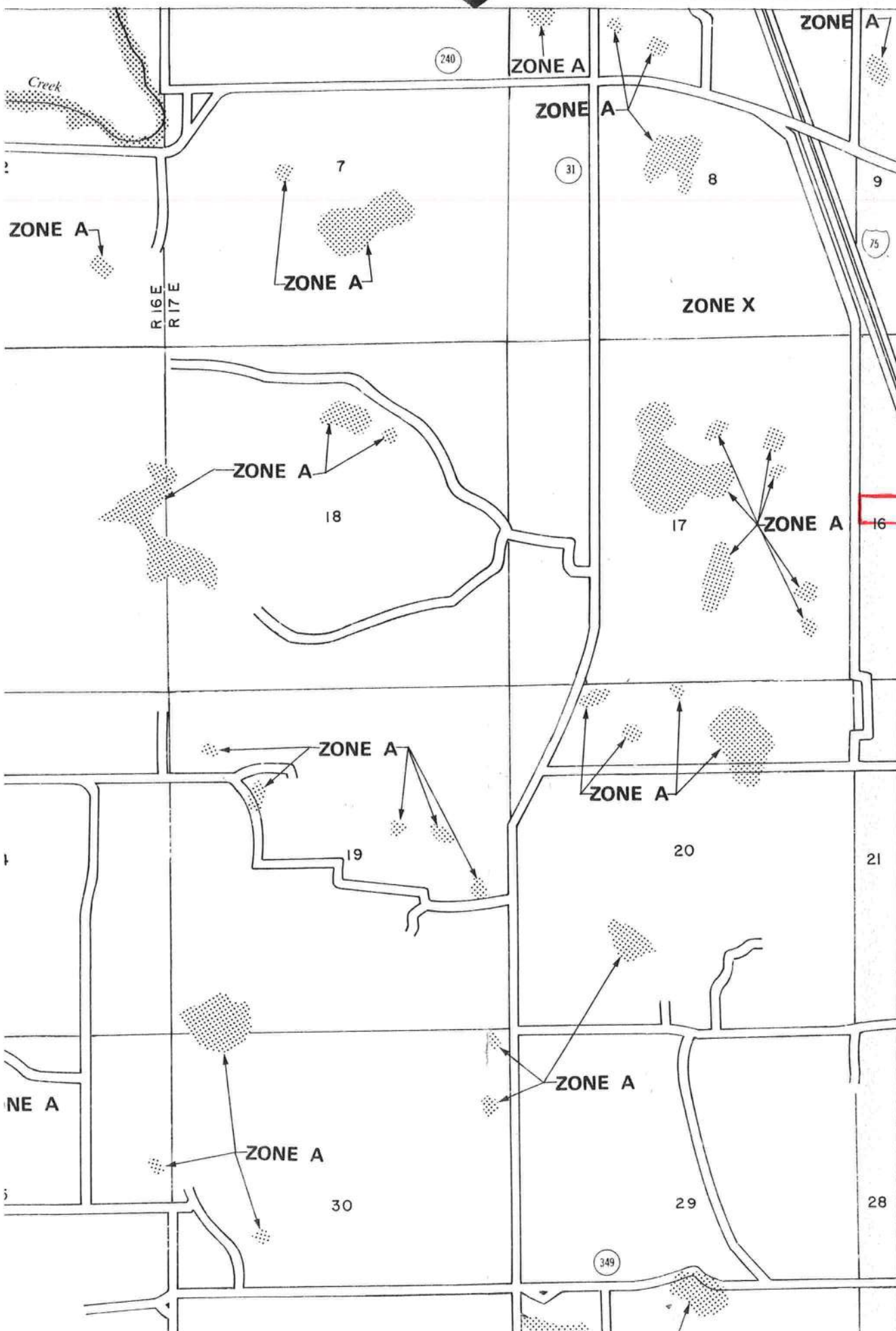
Ronnie Hughes

WE DRILL THE BEST AND SERVICE THE REST

H

0704-50

J



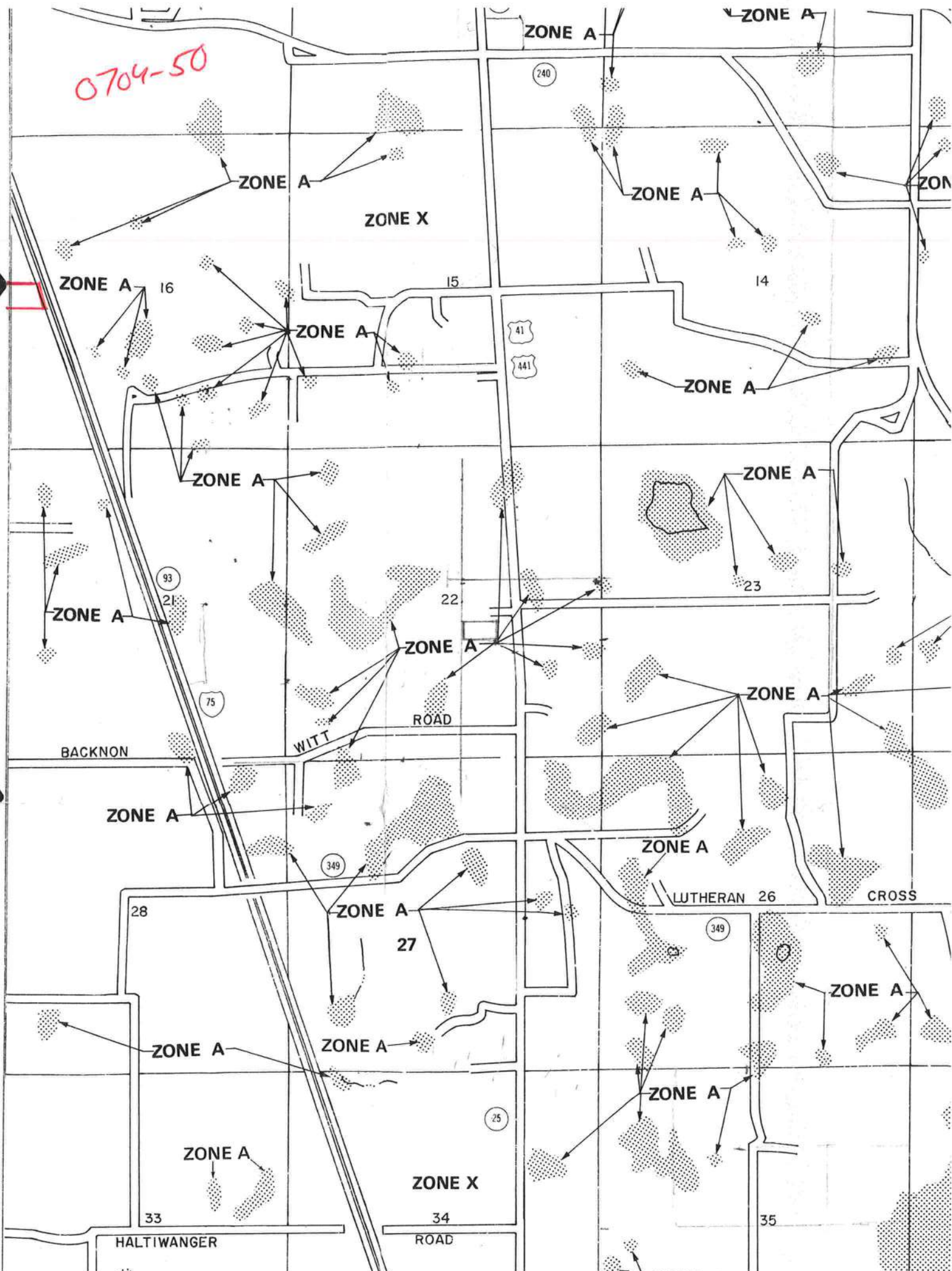
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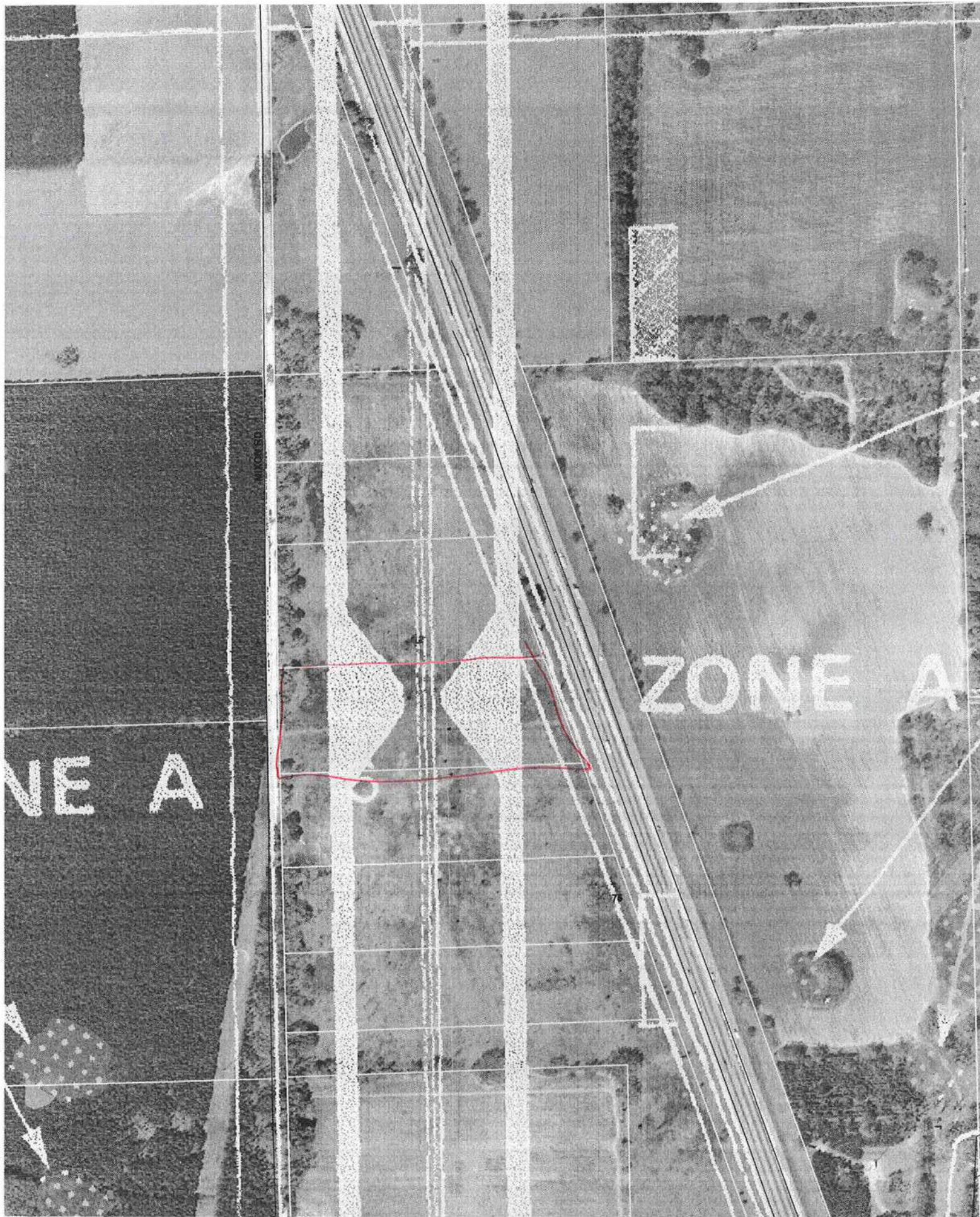
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0704-50

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
inaccordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of
Commencement.

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE
RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number R09272-003 Permit Number _____

1. Description of property: (legal description of the property and street address or 911 address)

PARCEL 3 SECTION 16, TOWN SHIP 5 SOUTH, RANGE 17 EAST,
COLUMBIA COUNTY, FLORIDA

2. General description of improvement: BUILDING OF 30'X40' GARAGE AND
3 BR 2 BATH HOME APPROX 46'X 64'8"

3. Owner Name & Address BENJAMIN ATKINS AND JULIA ATKINS
P.O. BOX 1202 DAVENPORT FL 33836. Interest in Property OWNERS

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name OWNER/BUILDERS BENJAMIN ATKINS Phone Number 863-412-3822

Address P.O. BOX 1202 DAVENPORT FL 33836

6. Surety Holders Name NA Phone Number _____

Address _____

Amount of Bond _____ Inst:2007009109 Date:04/23/2007 Time:16:39

7. Lender Name D.W. DC, P. DeWitt Cason, Columbia County B:1117 P:678

Address _____

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 _____ Phone Number _____

Address _____

9. In addition to himself/herself the owner designates _____ of
_____ to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

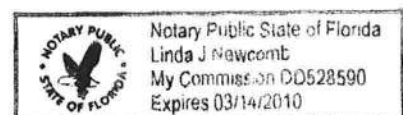
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of
recording, (Unless a different date is specified) _____

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN
IN HIS/HER STEAD.

Benjamin Atkins
Signature of Owner

Sworn to (or affirmed) and subscribed before day of March 23rd, 2007.

Linda J. Newcomb NOTARY STAMP/SEAL
Signature of Notary



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **SYNERGY / ATKINS**
Address: **MIXON ROAD**
City, State: **LAKE CITY, FL 32024-0000**
Owner: **MR/MRS ATKINS**
Climate Zone: **Central**

Builder: **ATKINS**
Permitting Office: **Columbia**
Permit Number: **25911**
Jurisdiction Number: **221008**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 3 ☐
5. Is this a worst case? Yes ☐
6. Conditioned floor area (ft²) 1920 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
(or Single or Double DEFAULT) 7a(Sngle Default) 137.0 ft² ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 137.0 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 209.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Adjacent R=11.0, 294.0 ft² ☐
 - b. Concrete, Int Insul, Exterior R=4.1, 1159.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1920.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH(Sealed):Garage Sup. R=6.0, 10.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 42.0 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 42.0 kBtu/hr
HSPF: 7.70 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 40.0 gallons
EF: 0.92 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) ☐

Glass/Floor Area: 0.07

Total as-built points: 21728

Total base points: 22771

PASS

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

PREPARED BY: W. DAVID DOUGLAS, SR.

DATE: 4-6-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**ADDRESS: **MIXON ROAD, LAKE CITY, FL, 32024-0000**

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1920.0	24.35	8415.0	1.Single, Clear	E	1.0	4.0	60.0	63.97	0.92	3517.0
				2.Single, Clear	W	1.0	4.0	32.0	57.68	0.92	1689.0
				3.Single, Clear	W	9.0	4.0	16.0	57.68	0.41	382.0
				4.Single, Clear	N	1.0	4.0	20.0	30.19	0.94	567.0
				5.Single, Clear	S	1.0	3.0	9.0	48.22	0.80	346.0
				As-Built Total:			137.0			6501.0	
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Adjacent	294.0	0.70	205.8	1. Frame, Wood, Adjacent			11.0	294.0	0.70	205.8	
Exterior	1159.0	1.90	2202.1	2. Concrete, Int Insul, Exterior			4.1	1159.0	1.18	1367.6	
Base Total:		1453.0	2407.9	As-Built Total:				1453.0	1573.4		
DOOR TYPES				Area X BSPM = Points		Type			Area X SPM = Points		
Adjacent	18.0	1.60	28.8	1.Exterior Insulated				20.0	4.80	96.0	
Exterior	55.0	4.80	264.0	2.Exterior Insulated				35.0	4.80	168.0	
				3.Adjacent Insulated				18.0	1.60	28.8	
Base Total:		73.0	292.8	As-Built Total:				73.0	292.8		
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points		
Under Attic	1920.0	2.13	4089.6	1. Under Attic			30.0	1920.0	2.13 X 1.00	4089.6	
Base Total:		1920.0	4089.6	As-Built Total:				1920.0	4089.6		
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Slab	209.0(p)	-31.8	-6646.2	1. Slab-On-Grade Edge Insulation			0.0	209.0(p)	-31.90	-6667.1	
Raised	0.0	0.00	0.0								
Base Total:			-6646.2	As-Built Total:				209.0	-6667.1		
INFILTRATION				Area X BSPM = Points				Area X SPM = Points			
		1920.0	14.31	27475.2				1920.0	14.31	27475.2	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **MIXON ROAD, LAKE CITY, FL, 32024-0000**

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 36034.3				Summer As-Built Points: 33264.9						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
				(sys 1: Central Unit 42000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)						
				33265	1.00	(1.09 x 1.150 x 0.95)	0.260	1.000		10271.0
36034.3	0.3250		11711.1	33264.9	1.00	1.188	0.260	1.000		10271.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: MIXON ROAD, LAKE CITY, FL, 32024-0000

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points					
.18	1920.0	9.11	3148.0	1.Single, Clear	E	1.0	4.0	60.0	12.37	1.02	755.0	
				2.Single, Clear	W	1.0	4.0	32.0	13.25	1.01	428.0	
				3.Single, Clear	W	9.0	4.0	16.0	13.25	1.11	235.0	
				4.Single, Clear	N	1.0	4.0	20.0	15.07	1.00	300.0	
				5.Single, Clear	S	1.0	3.0	9.0	9.90	1.12	99.0	
				As-Built Total:				137.0		1817.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Adjacent	294.0	1.80	529.2	1. Frame, Wood, Adjacent	11.0		294.0	1.80	529.2			
Exterior	1159.0	2.00	2318.0	2. Concrete, Int Insul, Exterior	4.1		1159.0	3.31	3830.5			
Base Total:				As-Built Total:				1453.0		4359.7		
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Adjacent	18.0	4.00	72.0	1.Exterior Insulated			20.0	5.10	102.0			
Exterior	55.0	5.10	280.5	2.Exterior Insulated			35.0	5.10	178.5			
				3.Adjacent Insulated			18.0	4.00	72.0			
Base Total:				As-Built Total:				73.0		352.5		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points					
Under Attic	1920.0	0.64	1228.8	1. Under Attic	30.0		1920.0	0.64 X 1.00	1228.8			
Base Total:				As-Built Total:				1920.0		1228.8		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Slab	209.0(p)	-1.9	-397.1	1. Slab-On-Grade Edge Insulation	0.0		209.0(p)	2.50	522.5			
Raised	0.0	0.00	0.0									
Base Total:				As-Built Total:				209.0		522.5		
INFILTRATION Area X BWPM = Points						Area X WPM = Points						
	1920.0	-0.28	-537.6					1920.0	-0.28	-537.6		

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**ADDRESS: **MIXON ROAD, LAKE CITY, FL, 32024-0000**

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 6641.8			Winter As-Built Points: 7742.9					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
6641.8	0.5540	3679.6	(sys 1: Electric Heat Pump 42000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 7742.9	1.000	(1.078 x 1.160 x 0.95) 0.443	1.000	1.000	4077.1
6641.8	0.5540	3679.6	7742.9	1.00	1.188	0.443	1.000	4077.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **MIXON ROAD, LAKE CITY, FL, 32024-0000**

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit Multiplier	= Total
Number of Bedrooms	X	Multiplier	= Total						
3		2460.00	7380.0	40.0	0.92	3	1.00	2460.00	1.00 7380.0
				As-Built Total:					7380.0

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
11711		3680		7380 22771	10271		4077		7380 21728

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **MIXON ROAD, LAKE CITY, FL, 32024-0000**

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.9

The higher the score, the more efficient the home.

MR/MRS ATKINS, MIXON ROAD, LAKE CITY, FL, 32024-0000

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1920 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 42.0 kBtu/hr
(or Single or Double DEFAULT) 7a(Sngle Default)	137.0 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT) 7b. (Clear)	137.0 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 209.0(p) ft	___	a. Electric Resistance	Cap: 40.0 gallons
b. N/A	___	___		EF: 0.92
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Adjacent	R=11.0, 294.0 ft ²	___	(HR-Heat recovery, Solar	___
b. Concrete, Int Insul, Exterior	R=4.1, 1159.0 ft ²	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	___
d. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
e. N/A	___	___	HF-Whole house fan,	___
10. Ceiling types		___	PT-Programmable Thermostat,	___
a. Under Attic	R=30.0, 1920.0 ft ²	___	MZ-C-Multizone cooling,	___
b. N/A	___	___	MZ-H-Multizone heating)	___
c. N/A	___	___		___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH(Sealed):Garage	Sup. R=6.0, 10.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5)

Residential System Sizing Calculation

Summary

MR/MRS ATKINS
MIXON ROAD
LAKE CITY, FL 32024-0000

Project Title:
SYNERGY / ATKINS

Code Only
Professional Version
Climate: Central

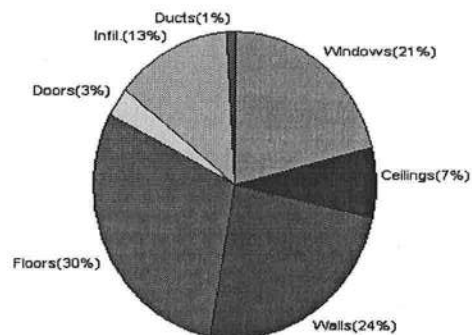
4/6/2007

Location for weather data: Lakeland - Defaults: Latitude(28) Altitude(214 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (76F) Humidity difference(49gr.)					
Winter design temperature	41	F	Summer design temperature	91	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	29	F	Summer temperature difference	16	F
Total heating load calculation			23833	Btuh	
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	176.2	42000	Sensible (SHR = 0.75)	200.5	31500
Heat Pump + Auxiliary(0.0kW)	176.2	42000	Latent	576.2	10500
			Total (Electric Heat Pump)	239.5	42000

WINTER CALCULATIONS

Winter Heating Load (for 1920 sqft)

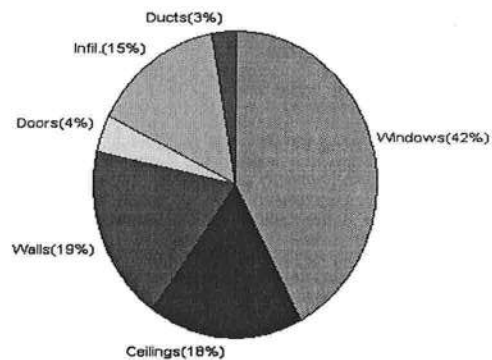
Load component			Load	
Window total	137	sqft	5046	Btuh
Wall total	1453	sqft	5795	Btuh
Door total	73	sqft	741	Btuh
Ceiling total	1920	sqft	1773	Btuh
Floor total	209	sqft	7152	Btuh
Infiltration	97	cfm	3082	Btuh
Duct loss			244	Btuh
Subtotal			23833	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			23833	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1920 sqft)

Load component			Load	
Window total	137	sqft	7384	Btuh
Wall total	1453	sqft	3249	Btuh
Door total	73	sqft	690	Btuh
Ceiling total	1920	sqft	3118	Btuh
Floor total			0	Btuh
Infiltration	51	cfm	895	Btuh
Internal gain			0	Btuh
Duct gain			377	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			15713	Btuh
Latent gain(ducts)			128	Btuh
Latent gain(infiltration)			1695	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			0	Btuh
Total latent gain			1822	Btuh
TOTAL HEAT GAIN			17536	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 4-6-07

25911

Request fot permit extension

To

Columbia county Building and Zoning

Att;Mr Harry Dicks,

To whom it may concern,

My name is Benjamin Atkins. My building permit number is 000025911. The address is 1299 sw Mixson rd, Lake City Fl. 32024. I am writing this letter to request an 90 day extension for my building permit on my house. I currently have the Framing phase of construction finished and I am currently working on the electrical and air conditioning phases of construction. My estimated completion date is the first week of June 2009.

Thank you, Benjamin Atkins
863-412-3844

COLUMBIA COUNTY OFFICE OF BUILDING

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 16-55-17-09272-003

Building permit No. 000025911

Use Classification SFD, UTILITY

Fire: 134.42

Permit Holder OWNER BUILDER

Waste: 184.25

Owner of Building BENJAMIN ATKINS

Total: 318.67

Location: 1299 SW MIXSON RD, LAKE CITY, FL

Date: 11/03/2009

Harry Dickel

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

Architectural Construction Engineering

May 31, 2007

The Columbia County Building
& Zoning Department Plan Review
135 Hernando Avenue
PO Box 1529
Lake City, FL 32056-1529

RE: #0704-50

Mr. Joe Waltiwanger:

This letter is in response to your letter.

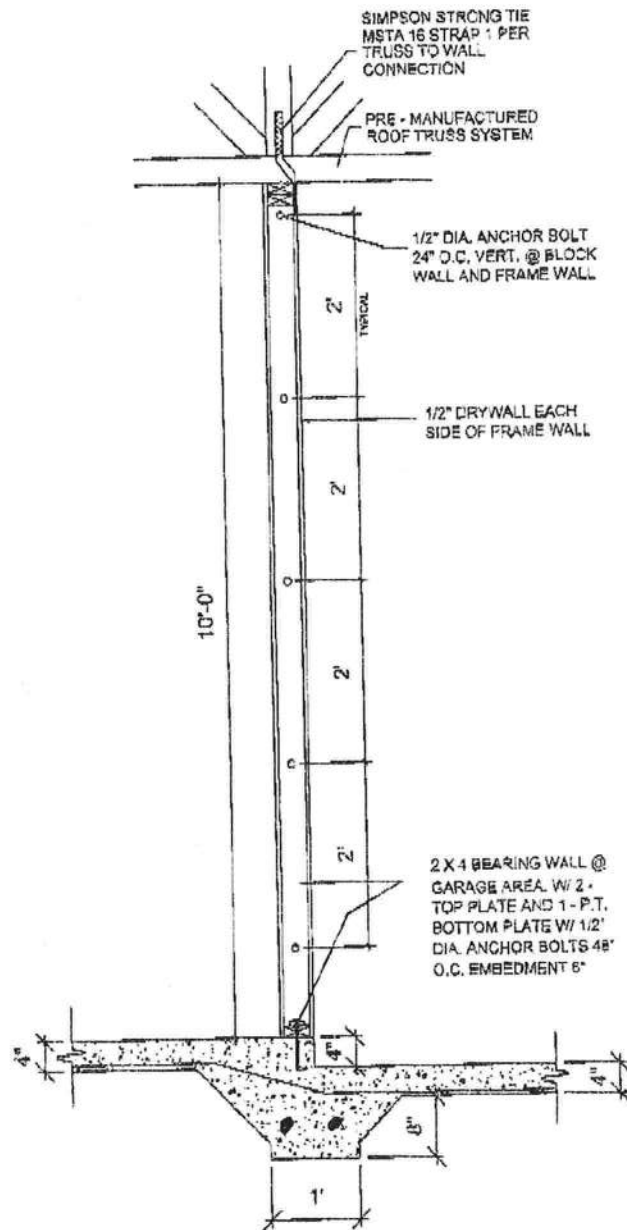
1. Please see attached detail.
2. All windows in bedrooms comply with Section R310.1.1
3. The garage door does/shall comply with Section R309.1
4. The attic access opening does/shall have a fire rating of 20 minutes
5. The garage and its attic area does/shall be separated from the residence with not less than a ½-inch gypsum board applied to garage side
6. The residence shall show the location of the electrical service entrance and indicate an over current protection device installed on the exterior of the structure to service as a disconnection means. Conductors used from the exterior disconnect means shall have a panel or sub panel with four-wire conductors of which one shall be used as an equipment ground.

Please accept this as confirmation of addressing plan review concerns.

Sincerely,

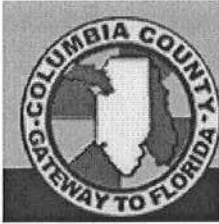
George B. Williams
Owner

2161 E County Road 540A #101



BEARING WALL & STEP DOWN FOOTER @ GARAGE

SCALE: N.T.S.



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: **0704-50**
BEN & JULIA ATKINS, Owner/Builder Property ID# 16-5s-17-09272-003

On the date of April 25, 2007 application 0704-50 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.

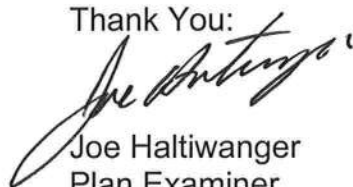
Please include application number 0704-50 and when making reference to this application.

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.

1. On the foundation plan (A1.4) show the design of the 4 inch step down foundation.

2. Please indicate that one window in each bedroom will comply with the exception of section R310.1.1 All emergency escape and rescue openings shall have a minimum net clear opening of 5 square feet. With a minimum net clear opening height of 24 inches and a minimum net clear opening width of 20 inches.
3. The door which provides egress from the garage into the dwelling shall comply with section R309.1. This egress door shall be solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors.
4. The attic access opening (pull down stairs) shall have a fire rating of 20-minute.
5. Please indicate that the garage shall be separated from the residence and its attic area by not less than 1/2-inch (12.7 mm) gypsum board applied to the garage side.
6. The electrical plan shows the location of the electrical service entrance. Please indicate on the electrical plan that an overcurrent protection device will 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.

Thank You:



Joe Haltiwanger
Plan Examiner
Columbia County Building
Department

0704-50

863 412.3822

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	FEATHER RIVER	36X80 FIBERGLASS Door + Jamb	FL 4389
B. SLIDING			
C. SECTIONAL/ROLL UP	CLOPAY	SERIES 75 WINDOW CODE 3 gATGE Door	FL 5675.4
D. OTHER	JENDWEN	FRENCH DOOR 72X80	122-1211-10
2. WINDOWS			
A. SINGLE/DOUBLE HUNG		WINDOWS / INSULATED	FL-1671-RO
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS	VERAFORM	SOFFIT / VINYL	FL 4554-RE
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL	METAL SYSTEMS	26 GA 9-5 MAX RIB	FL 6508
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	ALMPSON Strong TIES		HETA TRUSS Anchor
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS	CEMENT PRE-CAST	LINTELS FOR DOORS / WINDOWS Etc	4569
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Byron E. [Signature]
APPLICANT SIGNATURE

4/23/07
DATE

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE _____ 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE _____ 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant

Plans Examiner

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All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.

Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.

Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required
Plans or specifications must state compliance with FBC Section 1609.

The following information must be shown as per section 1603.1.4 FBC

- a. Basic wind speed (3-second gust), miles per hour (km/hr).
- b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
- c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
- d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
- e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specially designed by the registered design professional.

Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation

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- ☐
- ☐
- ☐
- ☐

- d) Location, size and height above roof of chimneys.
- e) Location and size of skylights
- f) Building height
- e) Number of stories

Floor Plan including:

- ☐
- ☐
- ☐

- a) Rooms labeled and dimensioned.
- b) Shear walls identified.
- c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
- d) Show safety glazing of glass, where required by code.
- e) Identify egress windows in bedrooms, and size.
- f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
- g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
- h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- ☐
- ☐
- ☐
- ☐
- ☒

- a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel.

Roof System:

- ☐
- ☐

a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

- ☐
- ☐

b) Conventional Framing Layout including:

1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☐
- ☐

a) Masonry wall

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. 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.
6. 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)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiteicide or alternative method)
10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

- a. Attic space
- b. Exterior wall cavity
- c. Crawl space (if applicable)

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b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. 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.
7. 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)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiteicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

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

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms
- h) Exhaust fans in bathroom

HVAC information

- a) Energy Calculations (dimensions shall match plans)
- b) Manual J sizing equipment or equivalent computation
- c) 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**

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Truss Design Index Sheet*

Project Identification

Name: ACE CONST.
Address:
City/County:

Truss Manufacture Information

Name: Standard Truss & Roof Supply
Address 1: 608 North 12th Street
Address 2:
City/State: Haines City, FL 33844-4400

Design Information

Job Load: 20 TCCL 7 TCDL 0 BCLL 10 BCDL psf
Wind Load: 120 mph Spec: ASCE 7-2002 Bld Type: All
Buildings Except Category I, III, IV Exposure B, Enclosed
Snow Load: See Individual Design Drawings
Bldg Code: Florida Code 2004 - Residential
Dsgn Code: ANSI/TPI 1 - 2002
Software: TrusPlus T6.5.41

Structural Engineer of Record

No Structural Engineer of Record

Work Order

WO: jr60-07
CUST: BEN ATKINS

Truss Design Engineer

Name: Donald Lee Scott
Address: 220 Westway Place, Suite 200
City/State: Arlington, Texas 76018
License No.: Florida 35036

3/27/2007

I hereby verify that this document was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer. This document is no longer valid if any modifications are made to it.

Truswal ID: T254585.J279361

Table of Contents

Page	Design Label	Page	Design Label	Page	Design Label	Page	Design Label	Page	Design Label
1	Scope of Work	2	Details List	3	T-01	4	T-02	5	T-03
6	T-04	7	T-05	8	T-06	9	T-07	10	T-08
11	T-09	12	T-10	13	T-11	14	T-12	15	T-13
16	T-14	17	T-15	18	T-16	19	T-17	20	T-18
21	T-19	22	T-20	23	T-21	24	T-22	25	T-23
26	T-24	27	T-25	28	T-26	29	T-30	30	T-31
31	T-37	32	T-38	33	TJ-01	34	TJ-01A	35	TJ-01B
36	TJ-02A	37	TJ-03	38	TJ-04A	39	TJ-04B	40	TJ-05
41	TJ-05A	42	TJ-07	43	TK-03	44	TK-07		





Engineering eJob

3/27/2007

Truss Engineer Design Responsibilities

The engineer's signature on this design certifies that the individual component depicted, if built with the materials and to the placements and tolerances specified, will bear the loads shown on the drawing. Users of the component are responsible for determining that any as-built component conforms to the design. The loading and dimensions specified have been provided by others and have not been verified by the signing engineer. The building designer is responsible for determining that the dimensions and loads for each component match those required by the plans and by the actual use of the individual component. The building designer is responsible for ascertaining that the loads shown on the designs meet or exceed applicable building code requirements and any additional factors required in the particular application. The engineer's seal on the attached component designs indicates acceptance of professional engineering responsibility solely for the design of the individual component assuming that the loading and dimension requirements are as represented to the engineer. The suitability and use of this component for any particular building is the responsibility of the building designer in accordance with ANSI/TPI 1-2002 Chapter 2. The engineer certifying this component is not responsible for anything beyond the specific scope of work set forth above, including but not limited to, the loading factors used in the design of the component, the dimensions of the component, the transfer of lateral loads from the roof and/or forward to the shear walls down to the foundation, connection of the components to the bearing support, the design of the bearing supports, the design and connection to the shear walls, the design of temporary or permanent building bracing required in the roof and/or floor systems, transfer of vertical loads down to the foundation, the design of the foundation or analysis in connection with the roof and/or floor diaphragms of the building. This is a high quality facsimile of the original engineering document. A wet or embossed seal copy of this engineering document is available upon request.

Truswal Systems Corporation
220 Westway Pl. Suite 200
Arlington, TX 76018
800-521-9790



Engineering eJob

3/27/2007

Required Details*

Other Available Details*

<ftp://140:truswal@ftp.truswal.com/DesignsDetails/CO/AltBrace.pdf>

<ftp://140:truswal@ftp.truswal.com/DesignsDetails/CO/EvaluationReport1607.pdf>

***Sealed versions of these details are available upon request.**

Truswal Systems Corporation
220 Westway Pl. Suite 200
Arlington, TX 76018
800-521-9790

Job Name: ACE CONST.

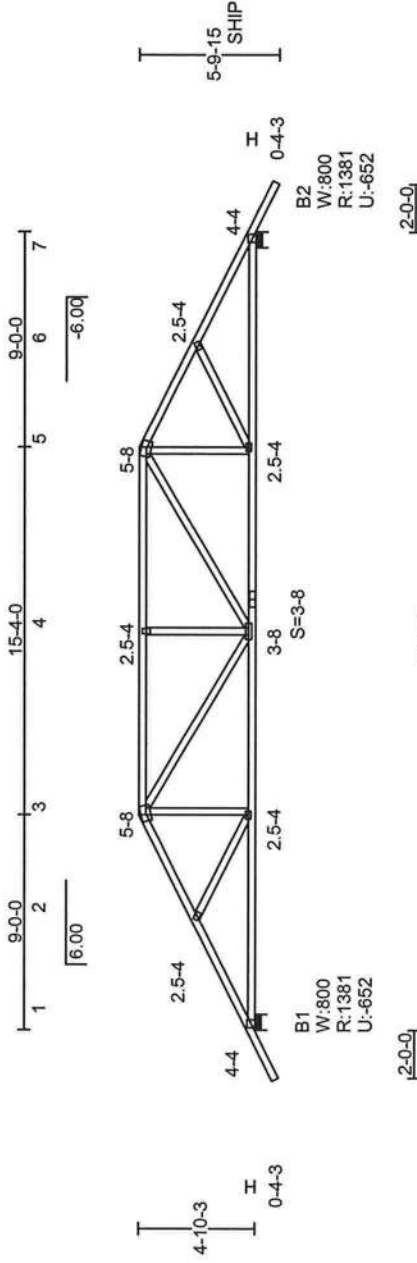
Truss ID: T-02

Qty: 1

BRC 0-1-0 1381 8.00" 1.50"
 2 33-0-0 1381 8.00" 1.50"
 BRC REQUIREMENTS shown are based ONLY on the truss material at each bearing.
 MAX DEFLECTION (Span) :
 L/999 MEM 11-12 (LIVE) LC 1
 L = -0.13" D = -0.13" T = -0.27"
 CRITICAL MEMBER FORCES:
 1-2 COMP (OUR.) / TENS (OUR.) / CSI
 2-3 -2194 (1.25) / 897 (1.60) 0.33
 3-4 -1985 (1.25) / 802 (1.60) 0.21
 4-5 -2221 (1.25) / 965 (1.60) 0.50
 5-6 -1985 (1.25) / 802 (1.60) 0.21
 6-7 -2194 (1.25) / 897 (1.60) 0.33
 8-9 COMP (OUR.) / TENS (OUR.) / CSI
 9-10 -754 (1.60) / 1901 (1.25) 0.57
 10-11 -574 (1.60) / 1730 (1.25) 0.51
 11-12 -574 (1.60) / 1730 (1.25) 0.51
 12-13 -754 (1.60) / 1901 (1.25) 0.57
 WB COMP (OUR.) / TENS (OUR.) / CSI
 2-3 -188 (1.60) / 308 (1.25) 0.05
 3-4 -254 (1.60) / 601 (1.25) 0.28
 4-5 -445 (1.25) / 297 (1.60) 0.13
 5-6 -254 (1.60) / 308 (1.25) 0.05
 6-12 -188 (1.25) / 204 (1.60) 0.07

Designed per ANSI/TPI 1-2007
 Planning is based on quality control factors
 Cq = 1.20 for wide face and
 Cq = 1.11 for narrow face.
 Maximum Rotational Tolerance used
 TAC (Tensile Axis) is based on
 testing and approval as required by IBC 1703
 and ANSI/TPI and are reported in available
 documents such as ICB0 #1607.

UPLIFT REACTION(S) : Non-Wind
 Support : CAC Wind
 1 -652 lb
 2 -652 lb
 HORIZONTAL REACTION(S) :
 1 -141 lb
 2 -141 lb
 This Truss is designed using the
 specified material and loads on
 support 2. 141 lb
 Truss Location = Not End Zone
 Hurricane/Ocean Line = No
 Truss Enclosed Area = 67 sq ft
 Main roof height = 10.42 ft
 Main roof width = 120 ft
 TPI Standard Occupancy, Dead Load = 9.2 psf
 Designed as Main Wind Force Resisting System
 Tributary Area = 67 sq ft



Truswal Systems Corporation
 Donald Lee Scott, P.E.
 220 Westway Place, Suite 200
 Arlington, Texas 76018
 Florida License No. 35036
 Date: 3/27/2007

All connector plates are Truswal 20 ga. unless shown by "18" (18 ga.), "16" (16 ga.), or "14" (14 ga.), positioned per Joint Details Report. Circular plates and false frame plates are positioned as shown above. Shit gable stud plates to avoid overlap with structural plates (or staple).

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: Joint and Cutting Detail Reports available as output from Truswal software, "ANSI/TPI 1", "WTCA 1" - Wood Truss Council of America Standard Design Responsibilities, "BUILDING COMPONENT SAFETY INFORMATION" - (BCSI 1-03) and "BCSI SUMMARY SHEETS" by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 O'Donofrio Drive, Madison, Wisconsin 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th Street, NW, Ste 800, Washington, DC 20036.

Cust: BEN ATKINS

WO: Drive_J-r60-07_L000006_J00001

Dsgnr: ABCD #LC = 34 WT: 220#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd	Comp	Tens
BC Live	0.00 psf		1.15	1.10 / 1.10
BC Dead	10.00 psf	O.C.Spacing	2-	0-0

Bldg Code: FBC2004R DEFL RATIO: L/240 TC: L/240



TRUSWAL SYSTEMS
 Building Components Group, Inc.
 220 Westway Place, Suite 200, Arlington, TX 76018
 Florida Certificate of Authorization # 278
 TRUSPLUS 6.0 VER: T6.5.41

BRG	X-LOC	REACT	SIZE"	REQ'D	TC	2x4	SP	#2	D
0-	0-	0	3.81	1.50"	BC				
33-	0-	0	8.00"	1.50"	MEB				

THIS DESIGN DOES NOT ACCOUNT FOR LONG TERM DRAINAGE MUST BE PROVIDED AFTER BUILDING

THIS DESIGN IS THE COMPOSITE RESULT OF THIS DESIGNER'S BEST ESTIMATE. CONCURRENT BCLL LOADS FOR 10 PSF. DRAINAGE MUST BE PROVIDED AFTER PONDING.

	COMP.	TEMS.	CS1
BC	1.2	1.2	0.33
1	2.3	2.3	0.33
2	2.4	2.4	0.25
3	2.5	2.5	0.25
4	3.6	3.6	0.25
5	3.7	3.7	0.25
6	3.8	3.8	0.25
7	3.9	3.9	0.25
8	4.0	4.0	0.25
9	4.1	4.1	0.25
10	4.2	4.2	0.25
11	4.3	4.3	0.25
12	4.4	4.4	0.25
13	4.5	4.5	0.25
14	4.6	4.6	0.25
15	4.7	4.7	0.25
16	4.8	4.8	0.25
17	4.9	4.9	0.25
18	5.0	5.0	0.25
19	5.1	5.1	0.25
20	5.2	5.2	0.25
21	5.3	5.3	0.25
22	5.4	5.4	0.25
23	5.5	5.5	0.25
24	5.6	5.6	0.25
25	5.7	5.7	0.25
26	5.8	5.8	0.25
27	5.9	5.9	0.25
28	6.0	6.0	0.25
29	6.1	6.1	0.25
30	6.2	6.2	0.25
31	6.3	6.3	0.25
32	6.4	6.4	0.25
33	6.5	6.5	0.25
34	6.6	6.6	0.25
35	6.7	6.7	0.25
36	6.8	6.8	0.25
37	6.9	6.9	0.25
38	7.0	7.0	0.25
39	7.1	7.1	0.25
40	7.2	7.2	0.25
41	7.3	7.3	0.25
42	7.4	7.4	0.25
43	7.5	7.5	0.25
44	7.6	7.6	0.25
45	7.7	7.7	0.25
46	7.8	7.8	0.25
47	7.9	7.9	0.25
48	8.0	8.0	0.25
49	8.1	8.1	0.25
50	8.2	8.2	0.25
51	8.3	8.3	0.25
52	8.4	8.4	0.25
53	8.5	8.5	0.25
54	8.6	8.6	0.25
55	8.7	8.7	0.25
56	8.8	8.8	0.25
57	8.9	8.9	0.25
58	9.0	9.0	0.25
59	9.1	9.1	0.25
60	9.2	9.2	0.25
61	9.3	9.3	0.25
62	9.4	9.4	0.25
63	9.5	9.5	0.25
64	9.6	9.6	0.25
65	9.7	9.7	0.25
66	9.8	9.8	0.25
67	9.9	9.9	0.25
70	10.0	10.0	0.25
71	10.1	10.1	0.25
72	10.2	10.2	0.25
73	10.3	10.3	0.25
74	10.4	10.4	0.25
75	10.5	10.5	0.25
76	10.6	10.6	0.25
77	10.7	10.7	0.25
78	10.8	10.8	0.25
79	10.9	10.9	0.25
80	11.0	11.0	0.25
81	11.1	11.1	0.25
82	11.2	11.2	0.25
83	11.3	11.3	0.25
84	11.4	11.4	0.25
85	11.5	11.5	0.25
86	11.6	11.6	0.25
87	11.7	11.7	0.25
88	11.8	11.8	0.25
89	11.9	11.9	0.25
90	12.0	12.0	0.25
91	12.1	12.1	0.25
92	12.2	12.2	0.25
93	12.3	12.3	0.25
94	12.4	12.4	0.25
9			

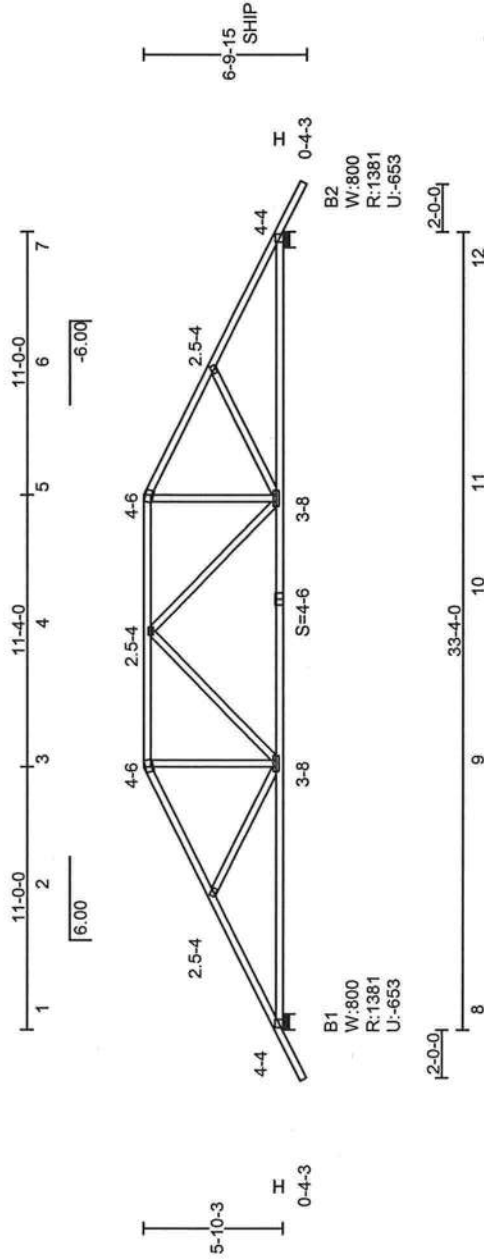
Designed per ANSI/TPI 1-2002
Plating is based on quality control factors
Cq = 1.1 for wide face and
Cq = 1.1 for narrow face.
Any alterations to these are shown for
individual joints on the Joint Report.
Refer to Joint QC Detail Sheet for
Maximum Rotational Tolerance used
IRC/TBC truss plate values are based on
testing and approval as required by IRC 1701
and ANSI/TPI and are reported in available
documents such as ICBO #1607.

UPLIFT REACTION(S) : Non-Wind
Support C&C Wind :
1 - 653 lb
2 - 700 lb

HORIZONTAL REACTION(S) :
support 1 - 141 lb
support 2 - 141 lb

This support is designed using the ACI 308-7M design code.
ACI 308-7M Design Code = Yes, Importance Factor = 1.00
Bridge Enclosed = Yes, End Zone Truss Location = Not End Zone

Design Data:
Pier/Curtain/Ocean/Lake/Franchise No.: Exp. Category = B
Mean roof height = 40.76 ft, nph = 20.00 ft
Mean roof height = 10.92 ft, nph = 120
Trib. Area = 120 sq ft
Trib. Standard Occupancy, Dead Load = 9.2 psf
Designed as Reinforced Concrete Resisting System
Trib. Area = 67 sqft



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Donald Lee Scott, P.E.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), "H"(16 ga.), or "MX"(TWMX 20 ga.), positioned per Joint Details Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates (or staple).

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not truss system. It has been based on specifications provided by the component manufacturer and does not take into account the specific building design and construction details. The design is not intended to be used as a design standard. Dimensions and details are verified by the component manufacturer and/or APTA design engineer prior to fabrication. The building designer must ascertain that the loads laterally braced by the component meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the loads laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise stated. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: 'Joint and Cutting Detail Reports' available as output from Trusway software, 'NDS/TPI 1', 'WCTCA 1', 'Wood Truss Council of American Standard Design Responsibilities', 'BUILDING COMPONENT SAFETY INFORMATION', 'BCSI SUMMARY SHEETS' by WCTCA and TPI. The Truss Plate Institute (TPI) is located at 593 O'Donohue Drive, Madison, Wisconsin 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th Street, NW, Ste 800, Washington, DC 20036.

Cust: REN ATKINS

W0: Drive 1 ir60-07 100006 700001

DEPT: 01111223

217#

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Design: R40C	WT: 34	WT: 2.17															
<table border="1"> <tr> <td>TC Live</td> <td>20.00 psf</td> <td>LiveDur L=1.25 P=1.25</td> </tr> <tr> <td>TC Snow(Ps)</td> <td>0.00 psf</td> <td>SnowDur L=1.15 P=1.15</td> </tr> <tr> <td>TC Dead</td> <td>7.00 psf</td> <td>Rep Mbr Bnd / Comp / Tens</td> </tr> <tr> <td>BC Live</td> <td>0.00 psf</td> <td>1.15 / 1.10 / 1.10</td> </tr> <tr> <td>BC Dead</td> <td>10.00 psf</td> <td>O.C.Spacing 2- 0- 0</td> </tr> </table>	TC Live	20.00 psf	LiveDur L=1.25 P=1.25	TC Snow(Ps)	0.00 psf	SnowDur L=1.15 P=1.15	TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens	BC Live	0.00 psf	1.15 / 1.10 / 1.10	BC Dead	10.00 psf	O.C.Spacing 2- 0- 0	DEFL RATIO: L/240	TC: L/240
TC Live	20.00 psf	LiveDur L=1.25 P=1.25															
TC Snow(Ps)	0.00 psf	SnowDur L=1.15 P=1.15															
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens															
BC Live	0.00 psf	1.15 / 1.10 / 1.10															
BC Dead	10.00 psf	O.C.Spacing 2- 0- 0															
Bldg Code: FBC2004R																	



TRUSPLUS 6.0 VER: T6.5.41

Job Name: ACE CONST.

Truss ID: T-05

Qty: 1

BEG	X-LOC	REACT	SIZE	REQ'D	TC	2x4	SP	#2	D
1	0-4-0	1381	8.00"	1.50"	WEDG	2x4	SP	#2	D
2	33-0-0	1381	8.00"	1.50"	WEDG	2x4	SP	#2	D

BRG REQUIREMENTS shown are based ONLY on MAX DEFLECTION (SPAN) at each bearing

L/931 MEM 10-11 (CLIVE) LC 1

L = -0.41" D = -0.40" T = -0.81"

CRITICAL MEMBER FORCES:

1-2 COMP. (OUR.) TENS. (OUR.) CSI

2-3 -3529(1.25)/ 1337(1.60) 0.65

3-4 -3672(1.25)/ 1043(1.60) 0.30

4-5 -2801(1.25)/ 1120(1.60) 0.21

5-6 -3549(1.25)/ 1337(1.60) 0.60

6-7 -3549(1.25)/ 1337(1.60) 0.60

7-8 -3692(1.25)/ 1455(1.60) 0.55

9-10 COMP. (OUR.) TENS. (OUR.) CSI

10-11 -1270(1.60)/ 3125(1.25) 0.80

11-12 -1121(1.60)/ 3172(1.25) 0.69

12-13 -1121(1.60)/ 3172(1.25) 0.69

13-14 -1270(1.60)/ 3125(1.25) 0.80

14-15 COMP. (OUR.) TENS. (OUR.) CSI

15-16 -74(1.25)/ 240(1.60) 0.03

16-17 -74(1.25)/ 240(1.60) 0.03

17-18 -738(1.25)/ 419(1.60) 0.46

18-19 -346(1.60)/ 1080(1.25) 0.19

19-20 -346(1.60)/ 1080(1.25) 0.19

20-21 -738(1.25)/ 419(1.60) 0.46

21-22 -74(1.25)/ 240(1.60) 0.03

22-23 -74(1.25)/ 240(1.60) 0.03

23-24 -74(1.25)/ 240(1.60) 0.03

24-25 -74(1.25)/ 240(1.60) 0.03

25-26 -74(1.25)/ 240(1.60) 0.03

26-27 -74(1.25)/ 240(1.60) 0.03

27-28 -74(1.25)/ 240(1.60) 0.03

28-29 -74(1.25)/ 240(1.60) 0.03

29-30 -74(1.25)/ 240(1.60) 0.03

30-31 -74(1.25)/ 240(1.60) 0.03

31-32 -74(1.25)/ 240(1.60) 0.03

32-33 -74(1.25)/ 240(1.60) 0.03

33-34 -74(1.25)/ 240(1.60) 0.03

34-35 -74(1.25)/ 240(1.60) 0.03

35-36 -74(1.25)/ 240(1.60) 0.03

36-37 -74(1.25)/ 240(1.60) 0.03

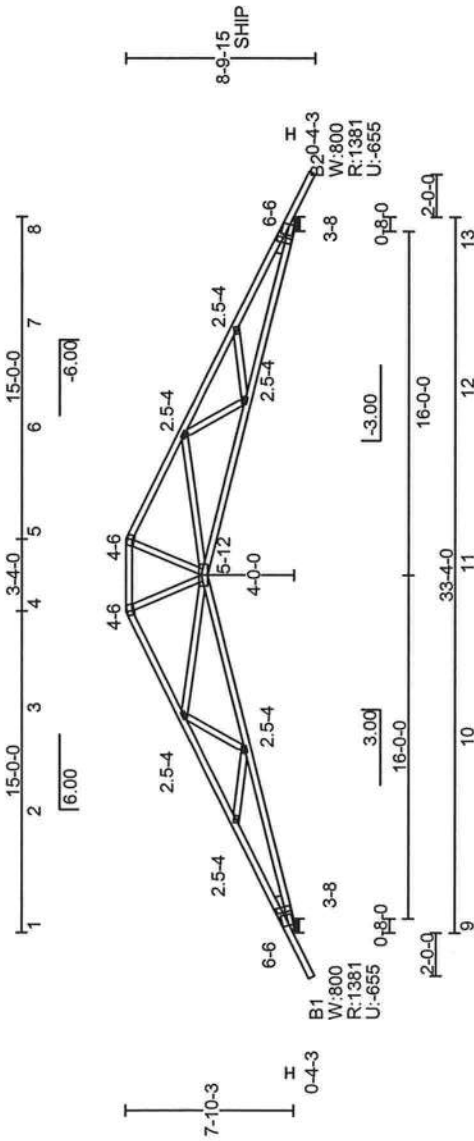
37-38 -74(1.25)/ 240(1.60) 0.03

38-39 -74(1.25)/ 240(1.60) 0.03

39-40 -74(1.25)/ 240(1.60) 0.03

Designed per ANSI/TPI 1-2002
 Prying action is neglected
 C_u = 1.11 for narrow face.
 Any alterations to this are shown for
 Maximum Rotational Tolerance used
 Refer to Joint Detail Specification
 IRC/IBC truss plate values are based on
 test data for 15 degree angles. See
 documents such as ICB0 #1607.
 Drainage must be provided to avoid ponding.

UP/LIFT REACTION(S) : Non-Wind
 Support Cases: 1b
 -655 lb
 HORIZONTAL REACTION(S) :
 Support 1 140 lb
 Support 2 140 lb
 This truss is designed using the
 ASCE7-02 Wind Specification
 Truss Location = Not End Zone
 Hurricane/Ocean Line = No
 Blg Length = 40.00 ft Blg Width = 20.00 ft
 Truss Spacing = 12.00 ft
 TPI Standard Occupancy Load = 8
 psf
 Dead Load = 8.00 psf
 Designed as Main Wind Force Resisting System
 and Components and Cladding
 Tributary Area = 67 sqft



Job Name: ACE CONST.

Truss ID: T-07

Qty: 7

BRG	X-LOC	REACT	SIZE	REQ'D	TC	2x4 SP	#2 D
1	0-4	0	1233	8.00"	1.50"	2x4 SP	#2 D
2	33-0	0	1381	8.00"	1.50"	2x4 SP	#2 D

BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing. Max. deflection (span) : LC 1/993

CRITICAL MEMBER FORCES:

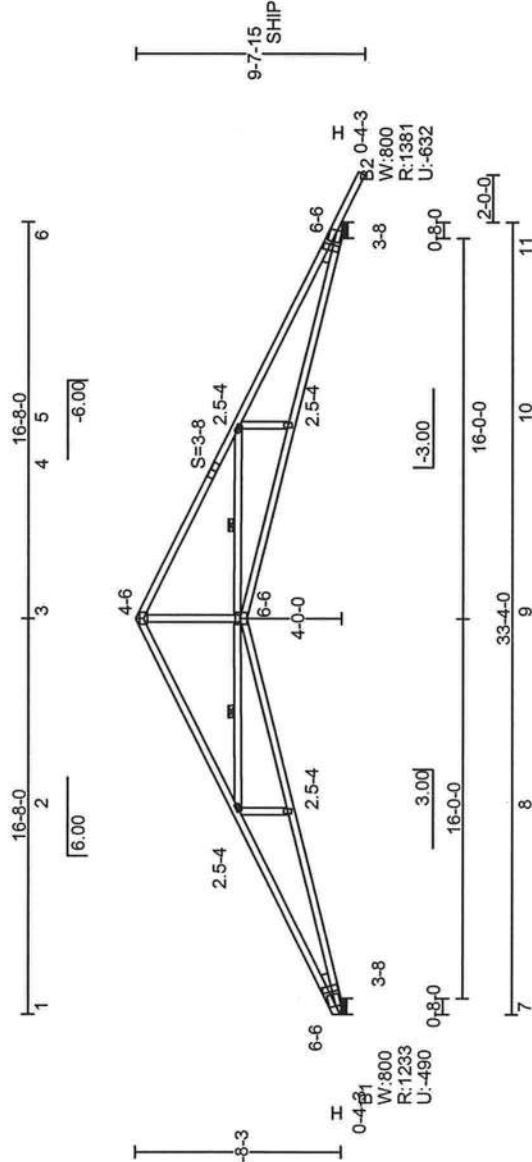
TC	COMP. (DUR.)	TENS. (DUR.)	CSI
1-2	-3704(1.25)/	1311(1.60)	0.53
2-3	-3704(1.25)/	1311(1.60)	0.53
3-4	-2683(1.25)/	931(1.60)	0.74
4-5	-2686(1.25)/	908(1.60)	0.47
5-6	-3704(1.25)/	1293(1.60)	0.53

BC	COMP. (DUR.)	TENS. (DUR.)	CSI
7-8	-1105(1.60)/	3339(1.25)	0.86
8-9	-1117(1.60)/	3347(1.25)	0.72
9-10	-1080(1.60)/	3339(1.25)	0.86

WB	COMP. (DUR.)	TENS. (DUR.)	CSI
2-6	-904(1.25)/	1869(1.25)	0.23
3-9	-486(1.60)/	1869(1.25)	0.33
5-10	-904(1.25)/	138(0.90)	0.03

Web bracing required at each location shown. See standard details (TWO) 07001-001 revD. Design is based on quality control factors. Plating is based on wide face and Cq = 1.20 for wide face and Cq = 1.11 for narrow face. This design is designed using the ASCE 7-02 Wind Specification. Bldg Enclosed = Yes; Exposure = B. Hurricane/Ocean Line No. Exp. Category = 8. Mean roof height = 12.34 ft, Bldg Width = 20.00 ft. Design Wind Speed (Dead Load) = 120 mph. Design Wind Speed (Live Load) = 9.2 psf. Design Wind Speed (Wind Resisting System Components and Cladding) = 67 psf. Tributary Area = 67 sqft.

See standard details (TWO) 07001-001 revD. Design is based on quality control factors. Plating is based on wide face and Cq = 1.20 for wide face and Cq = 1.11 for narrow face. This design is designed using the ASCE 7-02 Wind Specification. Bldg Enclosed = Yes; Exposure = B. Hurricane/Ocean Line No. Exp. Category = 8. Mean roof height = 12.34 ft, Bldg Width = 20.00 ft. Design Wind Speed (Dead Load) = 120 mph. Design Wind Speed (Live Load) = 9.2 psf. Design Wind Speed (Wind Resisting System Components and Cladding) = 67 psf. Tributary Area = 67 sqft.



Truswal Systems Corporation
Donald Lee Scott, P.E.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

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Cust: BEN ATKINS

W0: Drive_J_r60-07_L000006_J000001

Dsgnr: ABCD #LC = 34 WT: 197#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Wbr Bnd / Comp / Tens	1.15 / 1.10 / 1.10	
BC Live	0.00 psf	O.C. Spacing	2- 0- 0	
BC Dead	10.00 psf			
Bldg Code:	FBC2004R	DEFL RATIO:	L/240 TC: L/240	

Job Name: ACE CONST.

Truss ID: T-08

Qty: 3

BRG	X-LOC	REACT	SIZE	REQ'D	TC	2x4 SP	#2 D
1	0-4	0	1147	8.00"	1.50"	2x4 SP	#2 D
2	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D
3	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D
4	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D
5	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D
6	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D
7	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D
8	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D
9	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D
10	30-8	0	1140	8.00"	5.50"	2x4 SP	#2 D

BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing

MAX DEFLECTION (span):

L/999 MEM 7-8 (LIVE) LC 2

L=0.29" D=-0.31" T=0.61"

EX.WB DEF CRITERIA: L/120

IN MEM 11-5: T=0.05"

Shin bearings if needed req. support.

BRG REQUIREMENTS shown are based ONLY on the TRUSS material at each bearing. This design does not account for long term movement of the truss material. Building Designer must account for this. THIS DESIGN IS THE COMPOSITE RESULT OF MULTIPLE LOAD CASES. CONCURRENT BCLL. SHIM BEARINGS (if needed) for req. support.

EX. NR.	DEF. CRITERIA	L/120	T = 0.03"
1	MEM 11-5	11-5	0.03"
2	COMP. (OUR. J.)	11-5	0.03"
3	TENS. (OUR. J.)	11-5	0.03"
4	CS1	11-5	0.03"
5	CS2	11-5	0.03"
6	CS3	11-5	0.03"
7	CS4	11-5	0.03"
8	CS5	11-5	0.03"
9	CS6	11-5	0.03"
10	CS7	11-5	0.03"

BC	COMP. (OUR. J.)	TENS. (OUR. J.)	CS1
6-7	-1207 (1.60) / 3042 (1.25)	0.76	0.76
7-8	-1220 (1.60) / 3048 (1.25)	0.68	0.68
8-9	-1233 (1.60) / 3054 (1.25)	0.60	0.60
9-10	-1246 (1.60) / 3060 (1.25)	0.52	0.52
10-11	-1259 (1.60) / 3066 (1.25)	0.44	0.44
11-12	-1272 (1.60) / 3072 (1.25)	0.36	0.36
12-13	-1285 (1.60) / 3078 (1.25)	0.28	0.28
13-14	-1298 (1.60) / 3084 (1.25)	0.20	0.20
14-15	-1311 (1.60) / 3090 (1.25)	0.12	0.12
15-16	-1324 (1.60) / 3096 (1.25)	0.04	0.04

MB	COMP. (OUR. J.)	TENS. (OUR. J.)	CS1
2-6	-940 (1.25) / 1571 (0.60)	0.23	0.23
3-8	-488 (1.60) / 1560 (1.25)	0.27	0.27
4-8	-416 (1.25) / 1318 (1.60)	0.11	0.11
5-9	-608 (1.60) / 2111 (1.25)	0.43	0.43
11-10	-1340 (1.25) / 4711 (1.60)	0.07	0.07
10-5	-1094 (1.25) / 506 (1.60)	0.07	0.07

W:800	R:1147	U:460
0.8-0	0.8-0	0.8-0
3-8	3-8	3-8
0.4-31	0.4-31	0.4-31
8-2-5	8-2-5	8-2-5
8-8-3	8-8-3	8-8-3
6-6	6-6	6-6
2.5-4	2.5-4	2.5-4
4-1-2	4-1-2	4-1-2
6-6	6-6	6-6
2.5-4	2.5-4	2.5-4
3-8	3-8	3-8
1-0-5	1-0-5	1-0-5
3-8	3-8	3-8
10-5	10-5	10-5
3-8	3-8	3-8
0.3-8	0.3-8	0.3-8
14-0-8	14-0-8	14-0-8
31-0-0	31-0-0	31-0-0
16-0-0	16-0-0	16-0-0
3.00	3.00	3.00
6.00	6.00	6.00
14-4-0	14-4-0	14-4-0
4	4	4
3	3	3
16-3-0	16-3-0	16-3-0
1	1	1
5	5	5
8-9-5	8-9-5	8-9-5
SHIP	SHIP	SHIP

Web bracing required at each location shown. See standard details (750007001-001 rev.). Design is based on quality control factors. Cq = 1.20 for narrow face. Cq = 1.11 for narrow face. Refer to Joint QC Detail Sheet for individual joints on the Joint Report. Maximum Rotational Tolerance used for testing and approval as required by IBC 1703 and ANSI/TPI and are reported in available documents such as ICB #1607.

UPLIFT REACTION(S):
Support Cq Wind Non-Wind
2 -470 lb
2 -470 lb
HORIZONTAL REACTION(S):
support 1 -152 lb
support 2 -152 lb
This truss is designed using the ASCE7-02 Wind Specification
Bldg Enclosed = Yes; Importance Factor = 1.00
Hurricane/Ocean Line = No; Exp Category = 8
Bldg Length = 40.00 ft; Bldg Width = 20.00 ft
Mean Roof Height = 12.34 ft; mph = 120
Mean Roof Slope = 5.21 psf
Designed as Main Wind Force Resisting System
and Components and Cladding
Tributary Area = 62 sqft
Vertical members exposed to wind: 11- 5

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Donald Lee Scott, P.E.
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Date: 3/27/2007



TRUSWAL
BUILDING COMPONENTS GROUP, INC.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida Certificate of Authorization # 278

TRUSPLUS 6.0 VER: T6.5.41

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WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

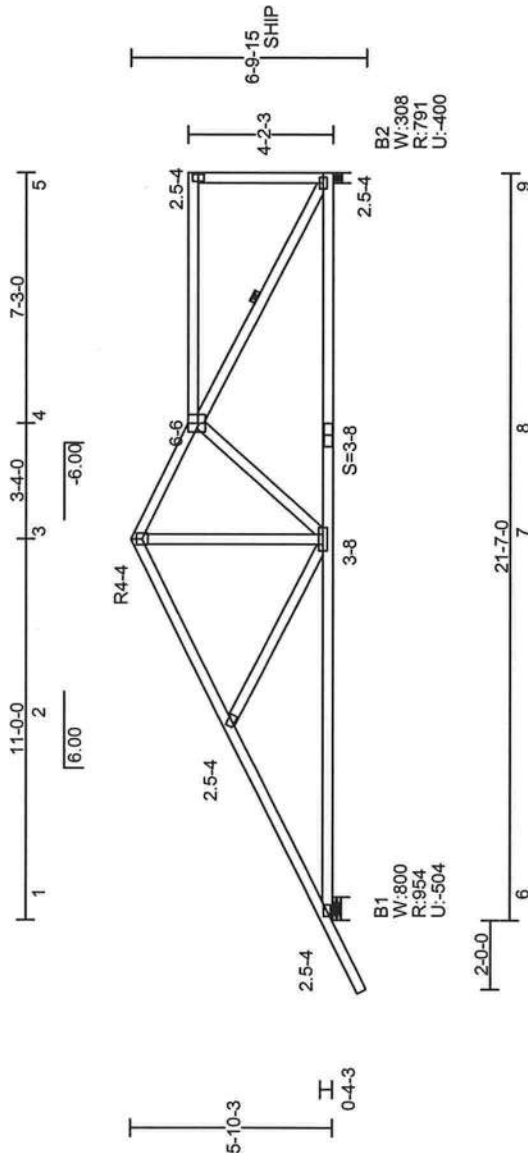
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Cust: BEN ATKINS	W0: Drive_J_r60-07_L00006_J00001	#LC = 37	WT: 195#
Dsgnr: ABCD			
TC Live	20.00 psf	LiveDur	L=1.25 P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15 P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens	1.15 / 1.10 / 1.10
BC Live	0.00 psf	O.C. Spacing	2- 0- 0
BC Dead	10.00 psf		
Bldg Code: FBC2004R			
			DEFL RATIO: L/240 TC: L/240

[illegible]

CRITICAL MEMBER FORCES:			
	COMP. (KIP.)	TENS. (KIP.)	CS1
TC	-1288 (1.25)	576 (1.60)	0.24
1-2	-964 (1.25)	441 (1.60)	0.24
2-3	-964 (1.25)	441 (1.60)	0.24
3-4	-964 (1.25)	441 (1.60)	0.24
4-5	-964 (1.25)	441 (1.60)	0.24
5-6	-964 (1.25)	441 (1.60)	0.24
6-7	-964 (1.25)	441 (1.60)	0.24
7-8	-964 (1.25)	441 (1.60)	0.24
8-9	-964 (1.25)	441 (1.60)	0.24
9-10	-964 (1.25)	441 (1.60)	0.24
10-11	-964 (1.25)	441 (1.60)	0.24
11-12	-964 (1.25)	441 (1.60)	0.24
12-13	-964 (1.25)	441 (1.60)	0.24
13-14	-964 (1.25)	441 (1.60)	0.24
14-15	-964 (1.25)	441 (1.60)	0.24
15-16	-964 (1.25)	441 (1.60)	0.24
16-17	-964 (1.25)	441 (1.60)	0.24
17-18	-964 (1.25)	441 (1.60)	0.24
18-19	-964 (1.25)	441 (1.60)	0.24
19-20	-964 (1.25)	441 (1.60)	0.24
20-21	-964 (1.25)	441 (1.60)	0.24
21-22	-964 (1.25)	441 (1.60)	0.24
22-23	-964 (1.25)	441 (1.60)	0.24
23-24	-964 (1.25)	441 (1.60)	0.24
24-25	-964 (1.25)	441 (1.60)	0.24
25-26	-964 (1.25)	441 (1.60)	0.24
26-27	-964 (1.25)	441 (1.60)	0.24
27-28	-964 (1.25)	441 (1.60)	0.24
28-29	-964 (1.25)	441 (1.60)	0.24
29-30	-964 (1.25)	441 (1.60)	0.24
30-31	-964 (1.25)	441 (1.60)	0.24
31-32	-964 (1.25)	441 (1.60)	0.24
32-33	-964 (1.25)	441 (1.60)	0.24
33-34	-964 (1.25)	441 (1.60)	0.24
34-35	-964 (1.25)	441 (1.60)	0.24
35-36	-964 (1.25)	441 (1.60)	0.24
36-37	-964 (1.25)	441 (1.60)	0.24
37-38	-964 (1.25)	441 (1.60)	0.24
38-39	-964 (1.25)	441 (1.60)	0.24
39-40	-964 (1.25)	441 (1.60)	0.24
40-41	-964 (1.25)	441 (1.60)	0.24
41-42	-964 (1.25)	441 (1.60)	0.24
42-43	-964 (1.25)	441 (1.60)	0.24
43-44	-964 (1.25)	441 (1.60)	0.24
44-45	-964 (1.25)	441 (1.60)	0.24
45-46	-964 (1.25)	441 (1.60)	0.24
46-47	-964 (1.25)	441 (1.60)	0.24
47-48	-964 (1.25)	441 (1.60)	0.24
48-49	-964 (1.25)	441 (1.60)	0.24
49-50	-964 (1.25)	441 (1.60)	0.24
50-51	-964 (1.25)	441 (1.60)	0.24
51-52	-964 (1.25)	441 (1.60)	0.24
52-53	-964 (1.25)	441 (1.60)	0.24
53-54	-964 (1.25)	441 (1.60)	0.24
54-55	-964 (1.25)	441 (1.60)	0.24
55-56	-964 (1.25)	441 (1.60)	0.24
56-57	-964 (1.25)	441 (1.60)	0.24
57-58	-964 (1.25)	441 (1.60)	0.24
58-59	-964 (1.25)	441 (1.60)	0.24
59-60	-964 (1.25)	441 (1.60)	0.24
60-61	-964 (1.25)	441 (1.60)	0.24
61-62	-964 (1.25)	441 (1.60)	0.24
62-63	-964 (1.25)	441 (1.60)	0.24
63-64	-964 (1.25)	441 (1.60)	0.24
64-65	-964 (1.25)	441 (1.60)	0.24
65-66	-964 (1.25)	441 (1.60)	0.24
66-67	-964 (1.25)	441 (1.60)	0.24
67-68	-964 (1.25)	441 (1.60)	0.24
68-69	-964 (1.25)	441 (1.60)	0.24
69-70	-964 (1.25)	441 (1.60)	0.24
70-71	-964 (1.25)	441 (1.60)	0.24
71-72	-964 (1.25)	441 (1.60)	0.24

☒ Web bracing required at each location shown.
See standard details (TX01087001-001 rev1).
Designed per ANSI/TPI 1-2002
Plating based on quality control factors
Cq = 1.20 for wide face and
Cq = 1.11 for narrow face.



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Cust: BEN ATKINS

W0: Drive J ir60-07 L00006 J000001

Dsarr: ABCD #LC = 37 WT: 145#

TC Live	20.00	psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00	psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00	psf	Rep Mbr Bnd / Comp / Tens	1.15 / 1.10 / 1.10	
BC Live	0.00	psf	O.C.Spacing	2-0 - 0	
BC Dead	10.00	psf			

B1dq Code: FBC2004R

DEFI RATIO: 1/240 TC: 1/240

Job Name: ACE CONST.

Truss ID: T-12

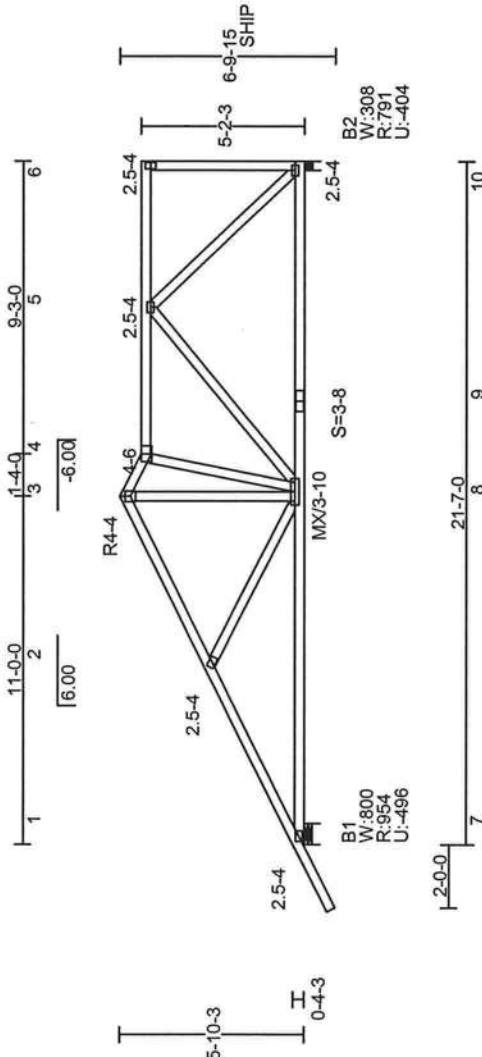
Qty: 1

BRG 1 X-LOC REACT SIZE REQ'D 2x4 SP #2 D
2 0- 4- 0 954 8-00" 1-50"
3 21- 4- 4 791 3-50" 1-50"
BRG REQUIREMENTS shown are based ONLY
on the truss material shown at each bearing
MAX DEFLECTION (span) :
L/797 MEM 9-10 (LIVE) LC 35 50"
L = -0.32 DEF CRITERIA: L/210
EX. MEM 10-11 (LIVE) T = -0.60"
CRITICAL MEMBER FORCES:

COMP. (DUR.)	TENS. (DUR.)	CSI
1-2 -1284(1.25)/	560(1.60) 0.23	CSI
2-3 -851(1.25)/	445(1.60) 0.13	CSI
3-4 -851(1.25)/	445(1.60) 0.13	CSI
4-5 -925(1.25)/	468(1.60) 0.22	CSI
5-6 -116(1.60)/	126(1.60) 0.21	CSI
7-8 -809(1.60)/	1099(1.25) 0.82	CSI
8-9 -436(1.60)/	558(1.25) 0.77	CSI
9-10 -436(1.60)/	558(1.25) 0.77	CSI
MB		
2-8 -345(1.25)/	301(1.60) 0.18	CSI
3-8 -512(1.25)/	325(1.60) 0.11	CSI
4-8 -208(1.60)/	478(1.25) 0.17	CSI
5-8 -826(1.25)/	473(1.60) 0.52	CSI
6-10 -100(1.25)/	98(1.60) 0.23	CSI

Designed per ANSI/TPI 1-2002
Plating is based on quality control factors
Cq = 1.20 for wide face and
Cq = 1.00 for narrow face
Any alterations to this are shown for
individual joints on the Joint Report.
Refer to Joint Detail Sheet for
IRC/IBC truss plate values are based on
testing and approval as required by IBC 1703
and ANSI/TPI and are reported in available
documents such as IGB #1607.

UPLIFT REACTION(S) :
Support C&C Wind : Non-Wind
1 -496 lb
HORIZONTAL REACTION(S) :
support 1 454 lb
support 2 454 lb
This design is based on the design of the
ASCE 7-02 Wind Specification
Bldg Enclosed = Yes, Importance Factor = 1.00
Truss Location = Not End Zone
Design Category = B
Bldg Length = 40.00 ft, Bldg Width = 20.00 ft
Mean roof height = 10.52 ft, mch = 120
DPI Standard Occupancy Dead Load = 9.2 psf
Truss and Components Resisting System
Tributary Area = 43 sqft
Vertical members exposed to wind: 10- 6



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Circled plates and false frame plates are positioned as shown above. Shiplap gable stud plates to avoid overlap with structural plates (or staple).

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Cust: BEN ATKINS

WO: Drive_Jr60-07_L00006_300001

Dsgnr: ABCD	#LC = 37	WT: 158#
TC Live	20.00 psf	LiveDur L=1.25 P=1.25
TC Snow(Ps)	0.00 psf	SnowDur L=1.15 P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens
BC Live	0.00 psf	1.15 / 1.10 / 1.10
BC Dead	10.00 psf	O.C.Spacing 2- 0- 0
Bldg Code: FBC2004R		DEFL RATIO: L/240 TC: L/240

TRUSWAL SYSTEMS
Building Components Group, Inc.
220 Westway Place, Suite 200, Arlington, TX 76018
Florida Certificate of Authorization # 278
TRUSPLUS 6.0 VER: T6.5.41

Job Name: ACE CONST.

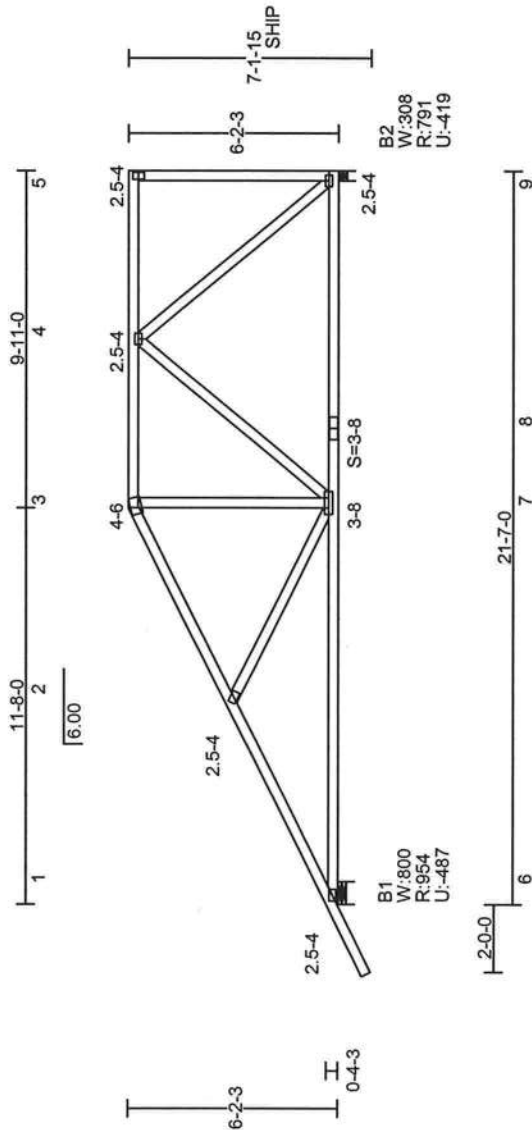
Truss ID: T-13

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D
1	0-4-0	954	3.50"	1.50"
2	21-5-4	791	3.50"	1.50"
BRG REQUIREMENTS shown are based ONLY on the maximum reaction at each bearing.				
MAX DEFLECTION Criteria: L/999 MEM 8-9 (CLIVE) LC 35				
L = -0.22" D = -0.19" T = -0.41"				
EX. WB DEF CRITERIA: L/120				
IN MEM 9-5: T = 0.15"				
CRITICAL MEMBER FORCES:				
1-2	COMP. (DUR.)	TENS. (DUR.)	CSI	
2-3	-911(1.25)	394(1.60)	0.28	
3-4	-737(1.25)	401(1.60)	0.22	
4-5	-137(1.60)	149(1.60)	0.22	
BC				
6-7	COMP. (DUR.)	TENS. (DUR.)	CSI	
7-8	-832(1.60)	1082(1.25)	0.81	
8-9	-433(1.60)	495(1.25)	0.75	
WB				
3-7	COMP. (DUR.)	TENS. (DUR.)	CSI	
4-7	-377(1.25)	325(1.60)	0.23	
4-8	-189(1.60)	395(1.25)	0.16	
4-9	-782(1.25)	452(1.60)	0.65	
5-9	-110(1.25)	107(1.60)	0.34	

Designed per ANSI/TPI 1-2002
Plating based on quality and
Cq = 1.30 for narrow face.
Any alterations to this are shown for
Reference only on the Joint Report.
Retaining Joint Detail Spacing used
Maximum Rotational Tolerance used
IRC/IBC truss plate values are based on
sectional approval as required by IRC 1703
and ANSI/TPI 1-2002. See the available
documents such as ICB0 #1607.

UPLIFT REACTION(S): Non-Wind
Support Cx Wind
-419 lb
HORIZONTAL REACTION(S):
Support Cx Wind
-419 lb
This truss is designed using the
ASCE7-02 Wind Specification
Tide Enclosed = Vent Enclosed
Hurricane/Ocean Line = No Exp Category = 8
Bldg Length = 40.00 ft Bldg Width = 20.00 ft
Mean Roof Slope = 11.60
TPJ Stud and Occupancy Load = 3.02 psf
Designed as Main Wind Force Resisting System
and Components and Cladding
Tributary Area = 43 sqft
Vertical members exposed to wind: 9- 5



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Donald Lee Scott, P.E.
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Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

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Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates (or staple).

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Cust: BEN ATKINS

WO: Drive_J_r60-07_L00006_100001

Dsgnr: ABCD	#LC = 37	WT: 153#
TC Live	20.00 psf	LiveDur L=1.25 P=1.25
TC Snow(Ps)	0.00 psf	SnowDur L=1.15 P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens
BC Live	0.00 psf	1.15 / 1.10 / 1.10
BC Dead	10.00 psf	O.C. Spacing 2- 0- 0
Bldg Code: FBC2004R		DEFL RATIO: L/240 TC: L/240

Job Name: ACE CONST.

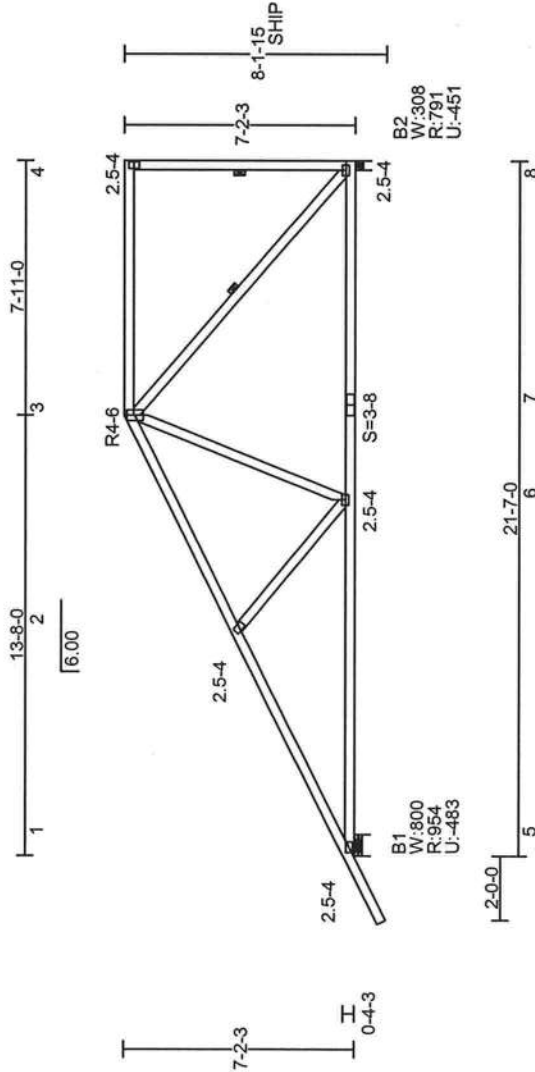
Truss ID: T-14

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D	TC	2x4 SP	#2 D
1	0-4-0	954	3.50"	1.50"	MEB	2x4 SP	#2 D
2	1-2-0	791	3.50"	1.50"	MEB	2x4 SP	#2 D
BRG REQUIREMENTS shown are based ONLY on time dependent loading (creep). Building design shall be based on the maximum bearing capacity of the truss at each bearing. Refer to Joint QC Detail Sheet for Maximum Rotational Tolerance used.							
IRC/IBC truss plate values are based on design applied as required by 18-1703 and ANSI/TPI 1 and are reported in available documents such as ICB0 #1607.							
EX. MB DEF CRITERIA: L/120							
IN MEM 8-4: T = 0.28"							
CRITICAL MEMBER FORCES:							
TC	COMP (DUR.)	TENS (DUR.)	CSI				
1-3	-944(1.25)	412(1.60)	0.43				
3-4	-1368(1.60)	371(1.60)	0.53				
BC	COMP (DUR.)	TENS (DUR.)	CSI				
5-6	-814(1.60)	1038(1.25)	0.83				
6-7	-538(1.60)	586(1.25)	0.79				
7-8	-538(1.60)	586(1.25)	0.61				
MB	COMP (DUR.)	TENS (DUR.)	CSI				
2-6	-347(1.25)	317(1.60)	0.15				
3-6	-709(1.60)	567(1.25)	0.30				
4-8	-107(1.25)	263(1.60)	0.44				

Web bracing required at each location shown. See standard detailing (1503/001-001 rev1). Plating is based on quality control factors. $C_q = 1.20$ for wide face and $C_q = 1.20$ for narrow face. All alterations to this are shown for individual joints on the Joint Report. THIS DESIGN IS THE COMPOSITE RESULT OF LOADS FOR 10 PSES, concurrent BCL. Drainage must be provided to avoid ponding. End verticals are designed for axial loads only, unless noted otherwise. The truss profile (if any) have been designed for loads indicated only. Horizontal loads applied at the ends of the extensions have not been considered unless noted. The design of an otherwise unsupported wall may create a hinge effect that requires additional design consideration (by others).

UPLIFT REACTION(S): Non-Wind Support: 451 lb
HORIZONTAL REACTION(S): Support: 631 lb
This truss is designed using the ASCE7-02 Wind Specification. Bldg Enclosed = Yes; Importance Factor = 1.00. Hurricane/Ocean Line = No; Exp. Category = 8. Bldg Length = 40.00 ft; Bldg Width = 20.00 ft. Truss Height = 11.50 ft; Truss Spacing = 3.00 ft. Truss Area = 43 sqft. Vertical members exposed to wind: 8-4



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Date: 3/27/2007

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Cust: BEN ATKINS

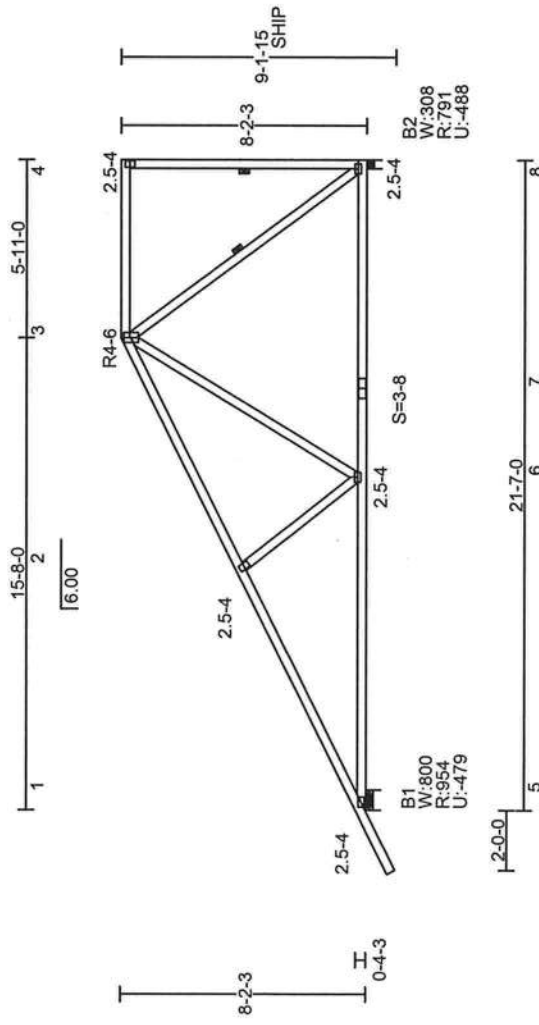
WO: Drive_J_r60-07_L00006_100001

Dsgnr: ABCD	#LC = 37	WT: 147#
TC Live	20.00 psf	LiveDur L=1.25 P=1.25
TC Snow(Ps)	0.00 psf	SnowDur L=1.15 P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens
BC Live	0.00 psf	1.15 / 1.10 / 1.10
BC Dead	10.00 psf	O.C.Spacing 2- 0- 0
Bldg Code: FBC2004R		DEFL RATIO: L/240 TC: L/240

TRUSWAL
Building Components Group, Inc.
220 Westway Place, Suite 200, Arlington, TX 76018
Florida Certificate of Authorization # 278
TRUSPLUS 6.0 VER: T6.5.41

BRG X-LOC REACT SIZE REQ'D. TC 2x4 SP #2 D
1 0'-5" 4 2x4 SP #2 D
2 2'-0" 4 2x4 SP #2 D
3 2'-0" 4 2x4 SP #2 D
4 2'-0" 4 2x4 SP #2 D
5 2'-0" 4 2x4 SP #2 D
6 2'-0" 4 2x4 SP #2 D
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10 2'-0" 4 2x4 SP #2 D
11 2'-0" 4 2x4 SP #2 D
12 2'-0" 4 2x4 SP #2 D
13 2'-0" 4 2x4 SP #2 D
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100 2'-0" 4 2x4 SP #2 D

BRG X-LOC REACT SIZE REQ'D. TC 2x4 SP #2 D
1 0'-5" 4 2x4 SP #2 D
2 2'-0" 4 2x4 SP #2 D
3 2'-0" 4 2x4 SP #2 D
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5 2'-0" 4 2x4 SP #2 D
6 2'-0" 4 2x4 SP #2 D
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Date: 3/27/2007

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Cust: BEN ATKINS

WO: Drive_J_r60-07_L00006_J00001

Dsgnr: ABCD #LC = 37 WT: 151#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens		
BC Live	0.00 psf		1.15 / 1.10 / 1.10	
BC Dead	10.00 psf	O.C. Spacing	2- 0- 0	
Bldg Code:	FBC2004R	DEFL RATIO:	L/240 TC: L/240	

Job Name: ACE CONST.

Truss ID: T-16

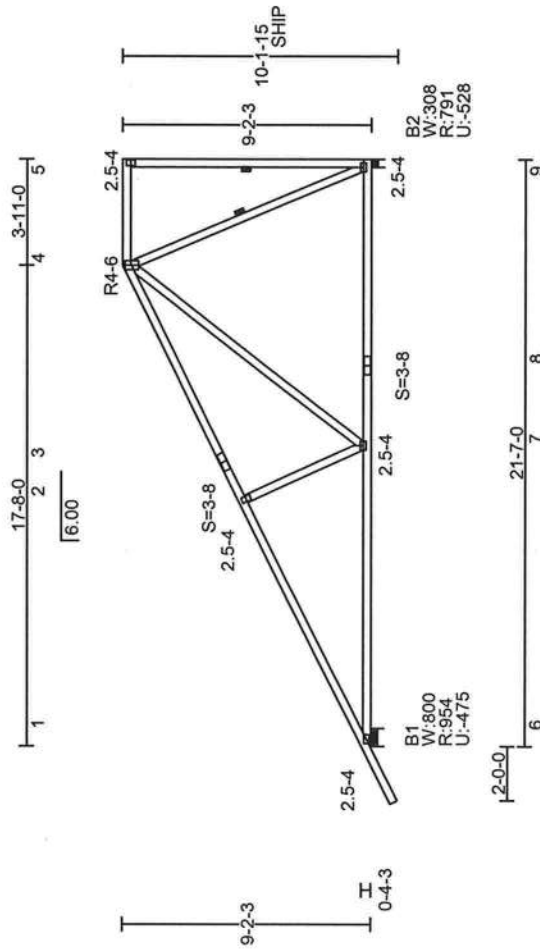
Qty: 1

BRG 0-5-4 REQ'D. SIZE 2x4 SP #2 D
 7 21-4 794 3'-0" 1'-50"
 BRG REQUIREMENTS shown 3:20 based ONLY
 on the truss material at each bearing
 MAX DEFLECTION (span) : LC 35
 L/780 MEM 8-9 (LIVE) LC 35
 L = -0.32" D = -0.27" T = -0.59"
 EX.MB DEF CRITERIA: L/120
 IN MEM 9-5: T = 0.74"

CRITICAL MEMBER FORCES: CS1
 1-2 C (1.78) / TENS (0.9) 0.66
 2-3 C (1.78) / TENS (0.9) 0.66
 3-4 C (1.78) / TENS (0.9) 0.39
 4-5 C (1.78) / TENS (0.9) 0.19
 BC COMP. (0.9) / TENS (0.9) 0.83
 6-7 C (1.78) / TENS (0.9) 0.83
 8-9 C (1.78) / TENS (0.9) 0.56
 MB COMP. (0.9) / TENS (0.9) 0.56
 2-7 C (1.78) / TENS (0.9) 0.67
 4-7 C (1.78) / TENS (0.9) 0.24
 5-9 C (1.78) / TENS (0.9) 0.72

Web bracing required at each location shown.
 Designed per ANSI/TPI 1-2002
 Plating is based on quality control factors
 Cq = 1.20 for wide face and
 Cq = 1.20 for narrow face
 Any alterations to this are shown for
 individual joints on the Joint Report.
 THIS TRUSS IS THE COMPOSITE RESULT OF
 TMS, TPI AND USFS
 Loaded for 10 PSF non-concurrent BCLL.
 Drainage must be provided to avoid ponding.
 End verticals are designed for axial loads
 Extensions above or below the truss profile
 (if any) have been designed for loads
 indicated only. Horizontal loads applied at
 the truss joints have been considered and
 considered unless shown. A drop-leg to an
 otherwise unsupported wall may create a
 hinge effect that requires additional design
 consideration (by others).

UPLIFT REACTION(S) : Non-Wind
 Support 1
 -475 lb
 HORIZONTAL REACTION(S) :
 1
 -528 lb
 2
 796 lb
 This truss is designed using the
 BSC27-02 Wind Specification
 Truss Location = Not End Zone
 Hurricane/Ocean Line = No Exp. Category = 1.00
 Truss Length = 40.00 ft Bldg Width = 120.00 ft
 TPI Standard Occupancy: Dead Load = 9.2 psf
 Designed as Main Wind Force Resisting System
 and Components are Cladding
 Truss Members are
 Vertical members exposed to wind: 9- 5



Truswal Systems Corporation
 Donald Lee Scott, P.E.
 220 Westway Place, Suite 200
 Arlington, Texas 76018
 Florida License No. 35036
 Date: 3/27/2007

All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), "16"(16 ga.), or "14"(14 ga.), positioned per Joint Details Report.
 Girded plates and false frame plates are positioned as shown above. Shit gable stud plates to avoid overlap with structural plates (or staple).

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: 'Joint and Cutting Detail Reports' available as output from Truswal software, 'ANSI/TPI 1', 'WTCA 1', 'Wood Truss Council of America Standard Design Responsibilities', 'BUILDING COMPONENT SAFETY INFORMATION', (BCSI 1-03) and 'BCSI SUMMARY SHEETS' by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 O'Donofrio Drive, Madison, Wisconsin 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th Street, NW, Ste 800, Washington, DC 20036.

TRUSWAL
 SYSTEMS
 Building Components Group, Inc.
 220 Westway Place, Suite 200, Arlington, TX 76018
 Florida Certificate of Authorization # 278
 TRUSPLUS 6.0 VER: T6.5.41

Cust: BEN ATKINS

WO: Drive_J-r60-07_L00006_J00001

Dsgnr: ABCD #LC = 37 WT: 157#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr	Bnd / Comp / Tens	
BC Live	0.00 psf	O.C.Spacing	1.15 / 1.10 / 1.10	
BC Dead	10.00 psf		2- 0- 0	

Bldg Code: FBC2004R DEFL RATIO: L/240 TC: L/240

Designed per ANST/TPT 1-2002

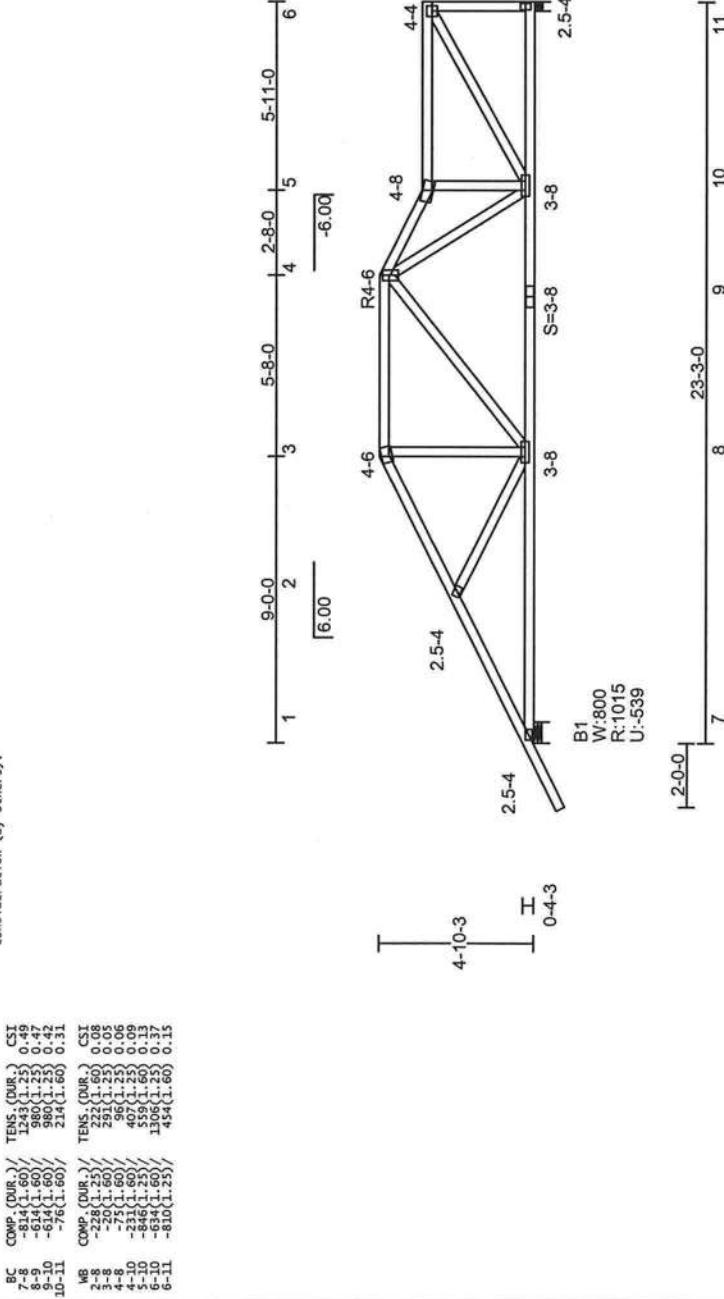
Designed per ANSI/TPI 1-2002
Rating is based on quality control factors
Cq = 1.20 for wide face and
Cq = 1.11 for narrow face.
Any alterations to this are shown for
Reference to Joint Detail Sheets used
May 1980 to October 1982
TRC truss plate values are based on
testing and approval as required by IBC 1703
and ANSI/TPI and are reported in available
documents such as IBCO #1607.

UPLIFT REACTION(S): Non-Wind
Support 1 = 0 lb
Support 2 = 0 lb
Support 3 = 0 lb

HORIZONTAL REACTION(S):
support 1 = 250 lb
support 2 = 250 lb
support 3 = 250 lb

THICKNESS: 280 lb
ASCE-02 Wind Specification

Truss Location = Yes, Importance Factor = 1.00
Bracing Enclosed = No, End Zone
Top Chord Temperature = 40.00 F, Bluff Coefficient = 0.8
Mean Roof Height = 10.42 ft, mph = 120
Design Standard Occupancy, Dead Load = 9.2 psf
TP72 specified as Main Wind Force Resisting System
Windborne debris protection required - Sealing
Vertical members exposed to wind: 11-6



Trusval Systems Corporation
Donald Lee Scott, P.E.
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Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

All connector plates are Truswall 20 ga. unless shown by "18" (18 ga.) or "MX" (TWMX 20 ga.), positioned per Joint Details Report. Circled plates and raise frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates (or staple

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

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Cust: BEN ATKINS

W0: Drive_J_ir60-07_L00006_100001

Dsgnr: ABCD	#LC = 37	WT: 163#
TC Live	20.00 psf	LiveDur L=1.25 P=1.25
TC Snow(Ps)	0.00 psf	SnowDur L=1.15 P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens
BC Live	0.00 psf	1.15 / 1.10 / 1.10
BC Dead	10.00 psf	O.C.Spacing 2'-0" 0

Bldg Code:	FBC2004R	DEFL RATIO: L/240 TC: L/240
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ITW Building Components Group, Inc.
220 Westway Place, Suite 200, Arlington, TX 76018
Florida Certificate of Authorization # 278
TRUSPLUS 6.0 VER: T6.5.41

Job Name: ACE CONST.

Truss ID: T-23

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D
1	0-4-0	1015	8.00"	1.50"
2	23-1-4	853	3.50"	1.50"

BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing.

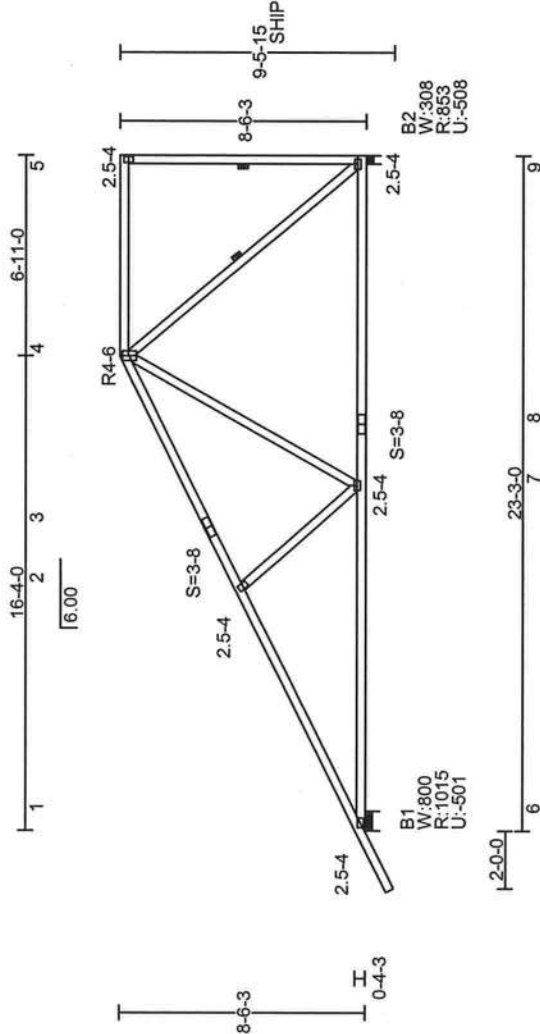
MAX DEFLECTION (span) : L/632 MEM 8-9 (LINE) LC 35

EX MEM 4-5 DEFLECTION = -0.81"

IN MEM 9-5 DEFLECTION = 0.55"

CRITICAL MEMBER FORCES:	CS1
TC COMP (OUR.)	221 (1.60) 0.52
1-2	-1316 (1.25) 0.41
3-4	-975 (1.25) 0.41
4-5	-184 (1.60) 0.39
BC COMP (OUR.)	1102 (1.25) 0.97
6-7	-863 (1.60) 0.91
7-8	-528 (1.60) 0.67
8-9	-528 (1.60) 0.67
MB COMP (OUR.)	375 (1.60) 0.19
2-7	-424 (1.25) 0.24
4-7	-790 (1.60) 0.61
5-9	-170 (1.25) 0.61

Web bracing required at each location shown. See standard details (T201087001-001 rev1).
 Designed per ANSI/TPI 1-2002 control factors.
 Picking factor = 1.10 for wide face and
 C_q = 1.11 for narrow face.
 Any alterations to this are shown for
 THIS DESIGN IS THE COMPOSITE RESULT OF
 MULTIPLE LOAD CASES.
 Loaded for 10 psf non-concurrent BCLL
 only unless noted otherwise.
 End verticals are designed for axial loads.
 Extensions above or below the truss profile
 indicated only. Horizontal loads applied at
 the end of the extensions have not been
 considered unless shown. A drop-leg to an
 existing structure may require additional design
 consideration (by others).



Truswal Systems Corporation
 Donald Lee Scott, P.E.
 220 Westway Place, Suite 200
 Arlington, Texas 76018
 Florida License No. 35036
 Date: 3/27/2007

All connector plates are Truswal 20 ga. unless shown by "18" (18 ga.), "H" (16 ga.), or "MX" (TVMX 20 ga.), positioned per Joint Details Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates (or staple).

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Cust: BEN ATKINS

WO: Drive_J_r60-07_L00006_100001

Dsgnr: ABCD	#LC = 37	WT: 162#
TC Live	20.00 psf	LiveDur L=1.25 P=1.25
TC Snow(Ps)	0.00 psf	SnowDur L=1.15 P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens
BC Live	0.00 psf	1.15 / 1.10 / 1.10
BC Dead	10.00 psf	O.C.Spacing 2- 0- 0
Bldg Code: FBC2004R		DEFL RATIO: L/240 TC: L/240

BRG 1 X-LOC REACT SIZE REQ'D TC 2x4 SP #2 D
2 0-4-0 500 8.00" 1.50" WER 2x4 SP #2 D
3 7-0-0 500 8.00" 1.50" WER 2x4 SP #2 D
4 0-4-0 500 8.00" 1.50" WER 2x4 SP #2 D

BRG REQUIREMENTS shown are based ONLY on the TRUSS material at each bearing. MAX DEFLECTION (CRIPPLE) IS 1/16" PER INCH OF TRUSS LENGTH. MAXIMUM ALLOWABLE DEFLECTION IS 1/16" PER INCH OF TRUSS LENGTH. MAXIMUM ALLOWABLE DEFLECTION IS 1/16" PER INCH OF TRUSS LENGTH.

L=0.00" D=7.00" I=0.01"
CRITICAL MEMBER FORCES: TENS (OUR) CSI
1-2 398(1.25) 221(1.60) 0.09
2-3 398(1.25) 221(1.60) 0.09
3-4 398(1.25) 221(1.60) 0.09

BC COMP (OUR) TENS (OUR) CSI
5-6 398(1.25) 221(1.60) 0.09
6-7 398(1.25) 221(1.60) 0.09
7-8 398(1.25) 221(1.60) 0.09

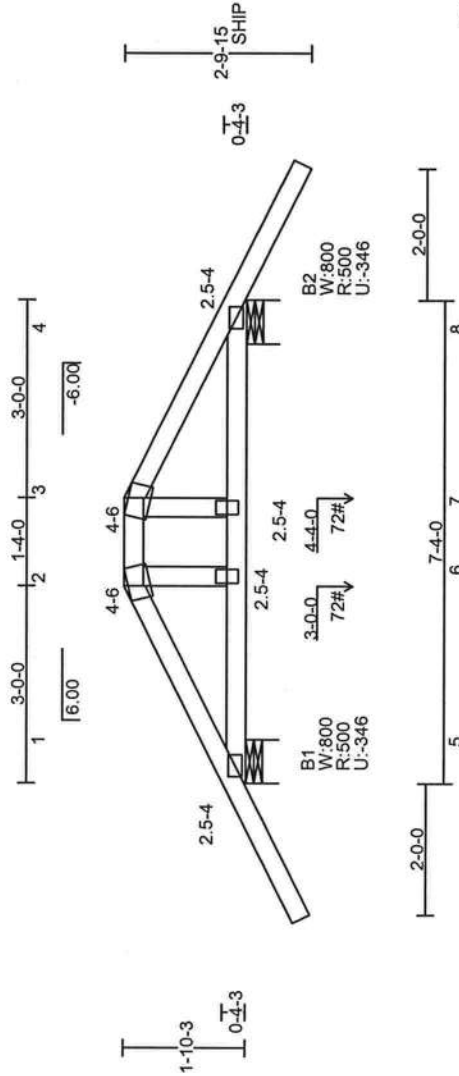
WB COMP (OUR) TENS (OUR) CSI
2-6 398(1.25) 221(1.60) 0.09
3-7 398(1.25) 221(1.60) 0.09

Designed per ANSI/TPI 1-2002
Plating is based on quality control factors
Cg = 1.11 for narrow face.
Any alterations to this are shown for
Individual joints on the Joint Report.
Re: Alterations to this are shown for
Maximum Rotational Tolerance used
IRC/IBC truss plate values are based on
testing and approval as required by IRC 1703
and IBC 1607. Documents such as IBC 1703
and IBC 1607.

UPLIFT REACTION(S): Non-Wind
Support CAC Wind
2 -346 lb
3 -346 lb
4 -346 lb

This truss is designed using the
ASCE7-02 Wind Specification
Truss Location = Not End Zone
Hurricane/Ocean Line = No
Bldg Length = 40.00 ft, Bldg Width = 20.00 ft
TP1 Standard Occupancy Load = 9.2 psf
Designed as Main Wind Force Resisting System
and Components and Cladding

Dir	L-Plf	L-Loc	R-Plf	R-Loc	LL/TL
TC Vert	74.00	2-0-0	74.00	0-0-0	0-54
TC Vert	63.56	3-0-0	63.56	4-4-0	0-74
TC Vert	54.00	4-4-0	54.00	7-4-0	0-54
TC Vert	74.00	7-4-0	74.00	9-4-0	0-54
BC Vert	23.54	3-0-0	23.54	4-4-0	0-00
BC Vert	20.00	4-4-0	20.00	7-4-0	0-00
BC Vert	0-0-0	7-4-0	0-0-0	9-4-0	0-00
BC Vert	39.0	3-0-0	39.0	4-4-0	0-00
BC Vert	33.1	3-0-0	33.1	4-4-0	0-00
BC Vert	33.1	4-4-0	33.1	4-4-0	0-00



Truswal Systems Corporation
Donald Lee Scott, P.E.
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Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

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Cust: BEN ATKINS

WO: Drive_J_r60-07_L00006_J00001

Dsgnr: ABCD

#LC = 33

WT: 45#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens	1.00 / 1.00 / 1.00	
BC Live	0.00 psf	O.C.Spacing	2-0-0	
BC Dead	10.00 psf			

Bldg Code: FBC2004R

DEFL RATIO: L/240 TC: L/240



TRUSPLUS 6.0 VER: T6.5.41

Job Name: ACE CONST.

Truss ID: T-31

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D
1	0'-4"-0	821	8.00"	1.50"
2	17'-8"-0	659	8.00"	1.50"

BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing

MAX DEFLECTION (span) L/999 MEM 7-8 (LIVE) LC 35

EX MB DEF CRITERIA: L/120 = 0.33"

IN MEM 8-5: T = 0.05"

CRITICAL MEMBER FORCES:

TC	COMP. (DUR.)	TENS. (DUR.)	CSI
2-7	-602(1.25)	346(1.60)	0.14
3-4	-602(1.25)	348(1.60)	0.18
4-5	-108(1.60)	117(1.60)	0.18

BC

COMP. (DUR.)	TENS. (DUR.)	CSI	
6-7	-701(1.60)	900(1.25)	0.36
7-8	-583(1.60)	465(1.25)	0.32

MB

COMP. (DUR.)	TENS. (DUR.)	CSI	
2-7	-262(1.25)	256(1.60)	0.10
3-7	-331(1.60)	186(1.25)	0.03
4-8	-672(1.25)	398(1.60)	0.38
5-8	-100(1.25)	98(1.60)	0.20

TC

2x4 SP #2 D

BC

2x4 SP #2 D

WBS

2x4 SP #2 D

Design dependent on location for Tong Term

Time dependent loading (Creep). Building

Designer must account for this.

MULTIPLE CASES COMPOSITE RESULT OF

Loaded for 10 PSF non-concurrent BCLL.

Drainage must be provided to avoid ponding.

Interior catwalks not designed for axial loads.

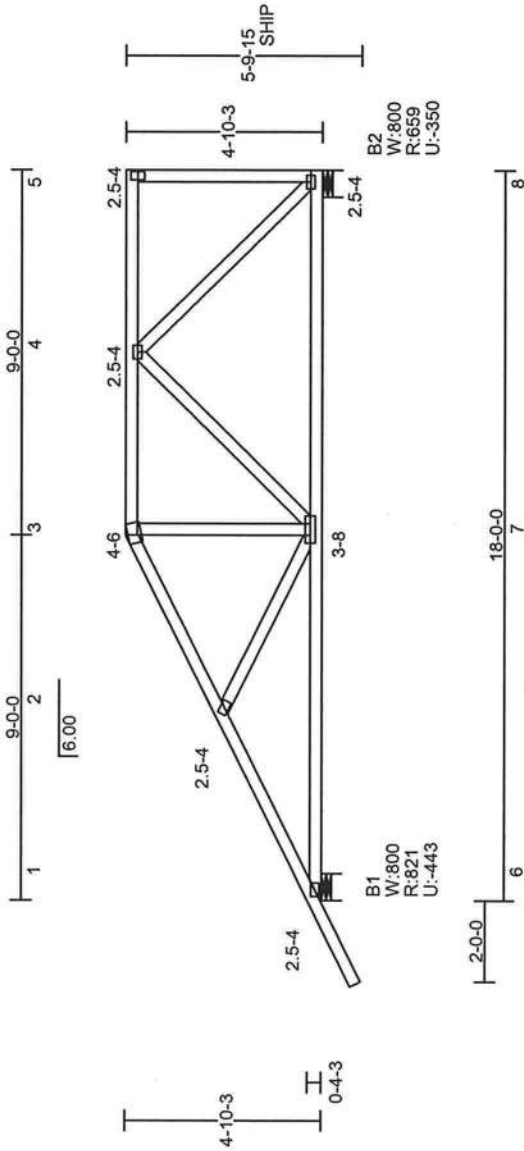
Units noted above or below the truss profile

Extensions above and below the truss profile

(if any) have been designed for loads applied at the end of the extensions have not been considered unless shown. A drop-leg to an otherwise unsupported wall may create a large moment and require additional design consideration (by others).

Designed per ANSI/TPI 1-2002
Plating is based on quality control factors
C_u = 1.11 for narrow face.
Any alterations to this are shown for
Individual joints on the Joint Report.
Re: This truss is designed using the
IRC/IBC truss plate values are based on
testing and approval as required by IRC 1703
documents such as IBCO #1607.

UPLIFT REACTION(S):
Support C&C Wind
2
-350 lb
HORIZONTAL REACTION(S):
support 1
432 lb
This truss is designed using the
ASCE7-02 Wind Specification
Bldg Enclosed = Yes; Importance Factor = 1.00
Hurricane/Ocean Line = No; Exp Category = 8
Bldg Length = 40.00 ft; Bldg Width = 20.00 ft
Year roof height = 10-42 ft; mph = 120
This truss is designed and tested as a Main Wind Force Resisting System
and Components and Cladding
Tributary Area = 36 sqft
Vertical members exposed to wind: 8-5



Truswal Systems Corporation
Donald Lee Scott, P.E.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

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WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

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Cust: BEN ATKINS

WO: Drive_J_jr60-07_L00006_100001

Dsgnr: ABCD

#LC = 37

WT: 126#

TC Live	20.00 psf	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens	
BC Live	0.00 psf	1.15 / 1.10 / 1.10	
BC Dead	10.00 psf	O.C. Spacing	2-0-0

Bldg Code: FBC2004R

DEFL RATIO: L/240 TC: L/240

TRUSWAL
SYSTEMS
Building Components Group, Inc.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida Certificate of Authorization # 278
TRUSPLUS 6.0 VER: T6.5.41

[illegible]

TC	2x4	SP	#2	D
BC	2x4	SP	#2	D
MCB	2x4	SP	#2	D

This design does not account for long term time dependent loading (creep). Building Designer must account for this.

THIS DESIGN IS THE COMPOSITE RESULT OF MULTIPLE LOAD CASES.

Designed per ANSI/TPI 1-2002
Plating is based on quality control factors
Cq = 1.20 for wide face and
Cq = 1.11 for narrow face.
Any alterations to this are shown for
And should joint on the Joint Report.
Refer to the following for the
Maximum Rotational Tolerance used
IQC/IBC truss plate values are based on
testing and approval as required by IBC 1703
and ANSI/TPI and are reported in available
documents such as IBCO #1607.

UPLIFT REACTION(S) : Non-Wind
Supports : 2
1 - 337 lb
2 - 337 lb
This truss is designed using the
Allowable Stress Design and Plastic
81dg Enclosed = Yes; Importance Factor = 1.00
Truss Location = Not End Zone
Surrounding Ocean/Water = No; Exp. Category = B
Mean roof height = 40.00 ft; No. of Panels = 8
Mean roof height = 11.09 ft; msh = 120
Peak wind speed = 120 mph
Truss Standard Capacity: Dead Load = 9.2 psf
Dead Load as Ratio of Mean Roofing
Tributary Area = 15 sqft

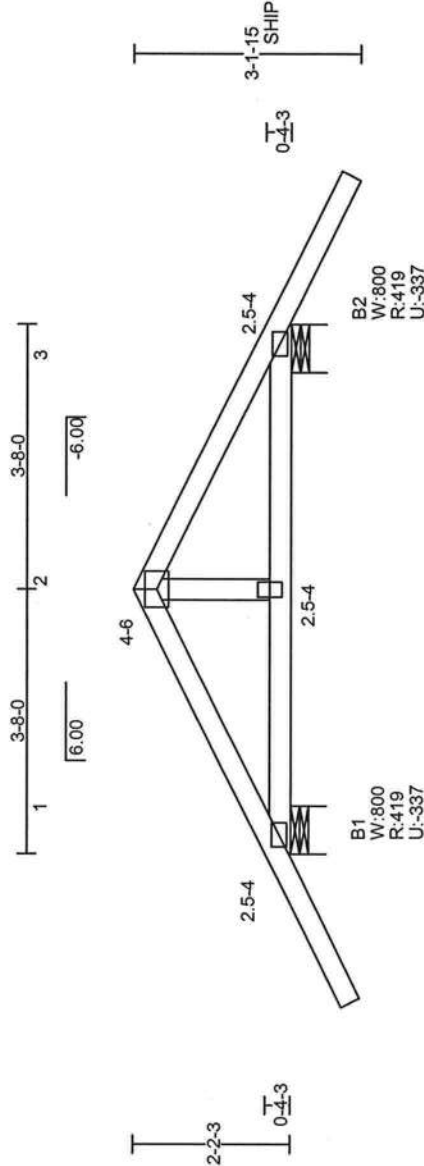


Figure 1 shows a schematic diagram of a three-span continuous beam. The beam is supported by four vertical supports. The spans are labeled with their lengths: 20.0, 74.0, and 20.0. The supports are labeled with their respective span numbers: 4, 5, and 6.

All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), "H"(16 ga.), or "MX"(TWNIX 20 ga.), positioned per Joint Details Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates (or staples).

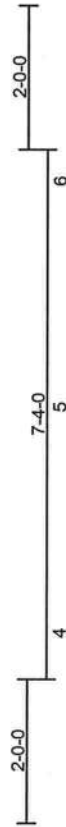
WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

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Donald Lee Scott, P.E.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

Cust: BEN ATKINS		W0: Drive_J_r60-07_L00006_000001		#LC = 33		WT:		43#	
Dsgnr: ABCD		TC Live		20.00 psf		LiveDur		L=1.25 P=1.25	
		TC Snow(Ps)		0.00 psf		SnowDur		L=1.15 P=1.15	
		TC Dead		7.00 psf		Rep Mbr Bnd / Comp / Tens		1.15 / 1.10 / 1.10	
		BC Live		0.00 psf		O.C.Spacing		2 - 0 - 0	
		BC Dead		10.00 psf					
Bldg Code:		FRC2004R		DEFL RATIO:		1/24		TC: 1/24	

UPLIFT REACTION(S): Non-Wind
 Support Conditions:
 1 - 337 lb
 2 - 337 lb
 This Truss is designed using the
 Allowable Stress Design and Plastic
 Design Methods. The Importance
 Factor is 1.00.
 Building Enclosed: Yes
 Truss Location: Not End Zone
 Hurricanes/Ocean use: No
 Mean roof height = 11.09 ft
 Truss height = 120 in
 Truss Standard occupancy: Dead load = 9.2 psf
 Designed as Main Wind Force Resisting System
 Diaphragm Design: Not Required
 Tributary Area = 15 sq ft



WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not trust system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFWA design standards. No responsibility is assumed for dimensional accuracy, dimensions or details to be verified by the component manufacturer and/or building designer prior to fabrication. The Building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the material is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise specified. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and require plastic corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: Joint and Cutting Detail Reports available as output from Truswell software, ANSI/APR11-1, WTCA 1 - Wood Truss Council of America Standard Design Responsibilities, BUILDING COMPONENT SAFETY INFORMATION - (BCSI 1-03) and BCSI SUMMARY SHEETS by WTCA and TPI. The Truss Plate Institute (TPI) is located at 1111 18th Street, NW, S50, Waukegan, DC 00336, Wisconsin 53718. The American Forest and Paper Association (AFWA) is located at 1111 18th Street, NW, S53 D0010 Drive, Madison, WI 53703.

Truswal Systems Corporation
Donald Lee Scott, P.E.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

Cust: BEN ATKINS

W0: Drive_J_r60-07_L00006_J00001

WT: 43#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr	Bnd / Comp / Tens	
BC Live	0.00 psf		1.15 / 1.10 / 1.10	
BC Dead	10.00 psf	O.C.Spacing	2'-0" - 0	

Bldg Code:	FBC2004R	DEFL RATIO:	L/240 TC: L/240
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TRUSWAL SYSTEMS
Building Components Group, Inc.
220 Westway Place, Suite 200, Arlington, TX 76018
Florida Certificate of Authorization # 278
TRUSPLUS 6.0 VER: T6.5.41

Job Name: ACE CONST.

Truss ID: TJ-01A

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D	2x4	SP	#2 D
1	0-4	0	202	8.00"	1.50"		
2	0-11	4	5	1.50"	1.50"		
3	0-11	4	5	1.50"	1.50"		

BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing

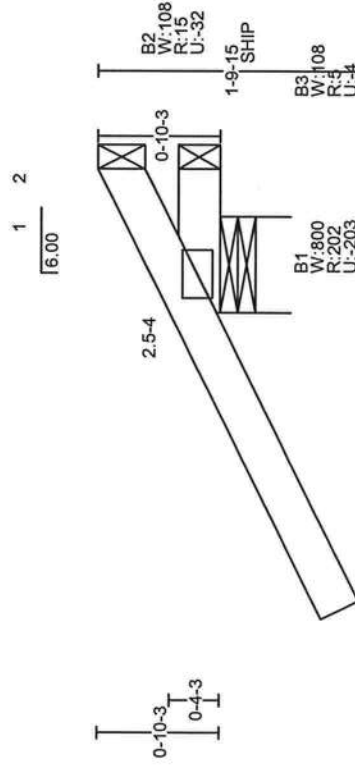
MAX DEFLECTION (span) :
L/999 MEM 3-4 (LIVE) LC 35
L = 0.00

CRITICAL D-FACTORS:
TENS: (DUR.) CSI
1-2 -14(1.60)/ 5(1.25) 0.01
2-0 -2(1.25)/ 2(1.60) 0.00

BC COMP (DUR.) / TENS: (DUR.) CSI
3-4 -10(1.60)/ 31(1.60) 0.01
4-0 0(0.90)/ 0(1.60) 0.00

Designed per ANSI/TPI 1-2002
Plating is based on quality control factors
Cq = 1.20 for wide face and
Cq = 1.11 for narrow face.
Individual joints on the joint report.
THIS DESIGN IS THE COMPOSITE RESULT OF
MULTIPLE LOAD CASES.
Multiple load cases for bearing locations.
Install interior support(s) before erection.
Shim bearings (if needed) for req. support.

UPLIFT REACTION(S) : Non-Wind
Support :
1 -203 lb
2 -32 lb
3 -32 lb
This truss is designed using the
ASCE 7-02 Wind Specification
Bldg Enclosed = Yes; Importance Factor = 1.00
Truss category = 1; Not End Zone
Ht. cat. = 1; Not End Zone
Bldg Length = 40.00 ft; Bldg Width = 20.00 ft
Mean roof height = 8.26 ft; mph = 120
The truss is designed for a Dead Load = 9.2 psf
Design wind pressure for the Roofing and Cladding
and Components and Cladding
Tributary Area = 2 sqft



Truswal Systems Corporation
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Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), "14"(14 ga.), or "MAX"(TMMX 20 ga.), positioned per Joint Details Report. Circled plates and false frame plates are positioned as shown above. Shirt gable stud plates to avoid overlap with structural plates (or studds).

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not a truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: 'Joint and Cutting Detail Reports' available as output from Truswal software, 'ANSI/TPI 1', 'WTCA 1', 'WTC 1', 'WTC 2', 'WTC 3', 'WTC 4', 'WTC 5', 'WTC 6', 'WTC 7', 'WTC 8', 'WTC 9', 'WTC 10', 'WTC 11', 'WTC 12', 'WTC 13', 'WTC 14', 'WTC 15', 'WTC 16', 'WTC 17', 'WTC 18', 'WTC 19', 'WTC 20', 'WTC 21', 'WTC 22', 'WTC 23', 'WTC 24', 'WTC 25', 'WTC 26', 'WTC 27', 'WTC 28', 'WTC 29', 'WTC 30', 'WTC 31', 'WTC 32', 'WTC 33', 'WTC 34', 'WTC 35', 'WTC 36', 'WTC 37', 'WTC 38', 'WTC 39', 'WTC 40', 'WTC 41', 'WTC 42', 'WTC 43', 'WTC 44', 'WTC 45', 'WTC 46', 'WTC 47', 'WTC 48', 'WTC 49', 'WTC 50', 'WTC 51', 'WTC 52', 'WTC 53', 'WTC 54', 'WTC 55', 'WTC 56', 'WTC 57', 'WTC 58', 'WTC 59', 'WTC 60', 'WTC 61', 'WTC 62', 'WTC 63', 'WTC 64', 'WTC 65', 'WTC 66', 'WTC 67', 'WTC 68', 'WTC 69', 'WTC 70', 'WTC 71', 'WTC 72', 'WTC 73', 'WTC 74', 'WTC 75', 'WTC 76', 'WTC 77', 'WTC 78', 'WTC 79', 'WTC 80', 'WTC 81', 'WTC 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Job Name: ACE CONST.

Truss ID: TJ-01B

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D	2x4	SP	#2 D
1	0-4	0	20	1.50"			
2	0-11	4	25	1.50"			
3	0-11	4	25	1.50"			

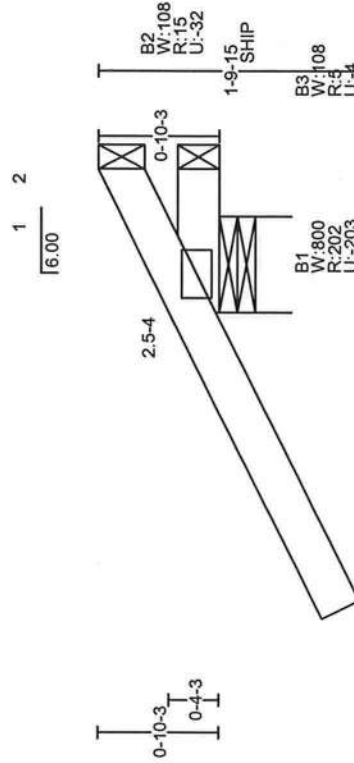
BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing

MAX DEFLECTION (span) :
 L/999 MEM 3-4 (LIVE) LC 35
 L = 0.00" D = 0.00" T = 0.00"

CHILLING WATER TENS (DUR.) CSI
 1-2 COMP (DUR.) TENS (DUR.) CSI
 2-0 -2(1.25)/ 5(1.25) 0.01
 3-4 COMP (DUR.) TENS (DUR.) CSI
 4-0 -10(1.60)/ 31(1.60) 0.01

Desired per ANSI/TPI 1-2002
 Plating is based on quality control factors
 Cq = 1.20 for wide face and
 Cq = 1.11 for narrow face.
 Individual joints on the Joint Report.
 THIS DESIGN IS THE COMPOSITE RESULT OF
 MULTIPLE LOAD CASES.
 Multiple load cases for different locations.
 Install interior supports before erection.
 Shim bearings (if needed) for req. support.

UPLIFT REACTION(S) : Non-Wind
 Support
 -203 lb
 -32 lb
 1
 2
 This truss is designed using the
 ASCE7-02 Wind Specification
 Bldg Enclosed = Yes; Importance Factor = 1.00
 Rep. Case/Zone = 1; No. Exp. Category = 8
 Bldg Length = 40.00 ft; Bldg Width = 20.00 ft
 Mean roof height = 8.26 ft; mph = 220
 Rep. Case/Zone = 1; No. Exp. Category = 8
 Design are Maximum Wind Load = 9.2 psf
 and Components and Cladding
 Tributary Area = 2 sqft



Truswal Systems Corporation
 Donald Lee Scott, P.E.
 220 Westway Place, Suite 200
 Arlington, Texas 76018
 Florida License No. 35036
 Date: 3/27/2007

All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), "H"(16 ga.), or "MX"(TVMX 20 ga.), positioned per Joint Details Report. Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates (or staple).

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: Joint and Cutting Detail Reports available as output from Truswal software, (BCSI 1-03) and "SCSI SUMMARY SHEETS" by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 D'Oroff Drive, Madison, Wisconsin 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th Street, NW, Ste 800, Washington, DC 20036.

Cust: BEN ATKINS

WO: Drive_J-jr60-07_L00006_300001

Dsgnr: ABCD #LC = 41 WT: 9#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd	Comp / Tens	
BC Live	0.00 psf	1-15 / 1-10	1.10 / 1.10	
BC Dead	10.00 psf	O.C. Spacing	2- 0- 0	

Bldg Code: FBC2004R DEFL RATIO: L/240 TC: L/18

TRUSWAL
 SYSTEMS
 Building Components Group, Inc.
 220 Westway Place, Suite 200, Arlington, TX 76018
 Florida Certificate of Authorization #278
 TRUSPLUS 6.0 VER: 16.5.41

Job Name: ACE CONST.

Truss ID: TJ-02A

Qty: 1

BRG	X-LOC	REACT	SIZE	REQ'D	TC	2x4	SP	#2 D
1	0'-6.12"	99	3'-30"	1'-50"	BC	2x4	SP	#2 D
2	2'-11'-4"	61	1'-30"	1'-50"	WEDGE	2x4	SP	#2 D
3	2'-11'-4"	31	1'-30"	1'-50"				

BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing

MAX DEFLECTION (span) :
L/999 MEM 3-4 (LIVE) LC 37

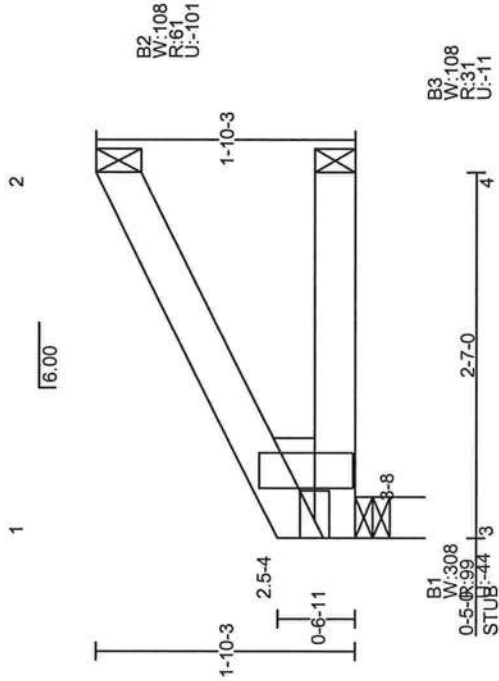
L = 0.01" D = 0.00" T = 0.01"

1-2	COMP (DUR)	TENS (DUR)	CSI
1-2	-50(1.60)	26(1.25)	0.07
2-0	-20(1.25)	2(1.60)	0.00

3-4	COMP (DUR)	TENS (DUR)	CSI
3-4	-30(1.60)	91(1.60)	0.06
4-0	0(1.25)	0(1.60)	0.00

Designed per ANSI/TPI 1-2003
Plating is based on quality control factors
Cq = 1.20 for wide face and
Cq = 1.11 for narrow face.
Individual joints are shown for
Refer to Joint QC Detail Sheet for
Maximum Rotational Tolerance used
IBC rotational tolerance is based on
testing and approval as required by IBC 1703
and ANSI/TPI and are reported in available
documents such as ICB0 #1607.

UP/LIFT REACTION(S) :
Support : Non-Wind
CWC Wind :
-44 lb
-101 lb
This truss is designed using the
ASCE-02 Wind Specification
Bldg Enclosed = Yes; Importance Factor = 1.00
Hurricane/Ocean Line = No; Exp Category = 8
Mean Roof Height = 8.76 ft; Bldg Width = 20.00 ft
Mean Roof Slope = 12.00%
Designed as Main Wind Force Resisting System
and Components and Cladding
Tributary Area = 5 sqft



All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), "H"(16 ga.), or "MX"(TVMX 20 ga.), positioned per Joint Details Report. Circled plates and false frame plates are positioned as shown above. Shirt gable stud plates to avoid overlap with structural plates (or staple).

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: Joint and Cutting Detail Reports available as output from Truswal software, ANSI/TPI 1, WTCA 1, Wood Truss Council of America Standard Design Responsibilities, BUILDING COMPONENT SAFETY INFORMATION - (BCSI 1-43) and BCSI SUMMARY SHEETS by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 D'Oroff Drive, Madison, Wisconsin 53716. The American Forest and Paper Association (AFPA) is located at 1111 18th Street, NW, Ste 800, Washington, DC 20036.

TRUSWAL
SYSTEMS

Building Components Group, Inc.
2200 Highway 100, Suite 200, Tallahassee, FL 32304
Florida Certificate of Authority #27

TRUSPLUS 6.0 VER: 16.5.41

Truswal Systems Corporation
Donald Lee Scott, P.E.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

Cust: BEN ATKINS		WO: Drive_J-r60-07_L00006_300001	
Dsgnr: ABCD		#LC = 41 WT: 13#	
TC Live	20.00 psf	LiveDur	L=1.25 P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15 P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd / Comp / Tens	1.15 / 1.10 / 1.10
BC Live	0.00 psf	O.C.Spacing	2- 0- 0
BC Dead	10.00 psf		
Bldg Code:	FBC2004R	DEFL RATIO:	L/240 TC: L/180

Job Name: ACE CONST.

Truss ID: TJ-04B

Qty: 1

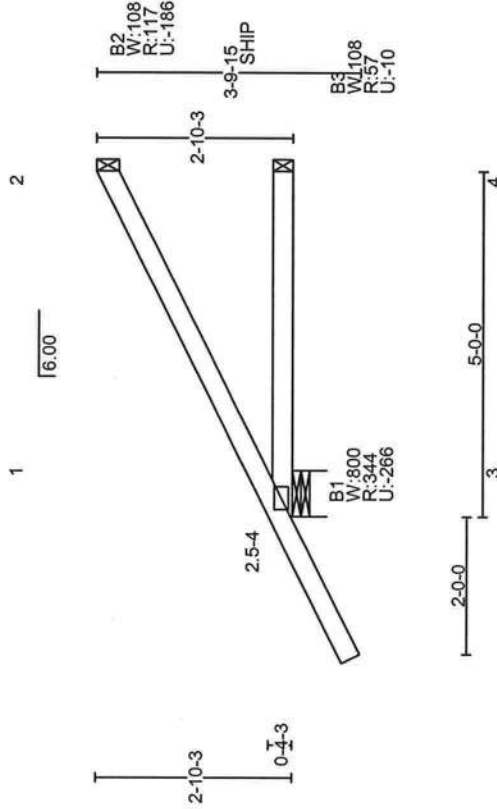
BRG X-LOC REACT SIZE REQ'D TC 2x4 SP #2 D
1 0-12 173 3-50 1-50
2 4-11 4 54 1-50 1-50
3 4-11 4 54 1-50 1-50
BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing
MAX DEFLECTION (span) :
L/999 MEM 3-4 (LIVE) LC 37
L = 0.04" D = -0.01" T = 0.03"
CRITICAL MEMBER FORCES:
1-C COMPRESSION / TENS (OUR) CSI
2-6 94(1.60) / 49(1.25) 0.22
3-4 55(1.60) / 169(1.60) 0.36
4-0 0(1.25) / 0(0.90) 0.00
BC COMP (OUR) / TENS (OUR) CSI
3-4 -55(1.60) / 169(1.60) 0.36
4-0 0(1.25) / 0(0.90) 0.00

Designed per ANSI/TPI 1-2002
Pitches: 1/12, 1/10, 1/8, 1/6, 1/4, 1/3, 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 7, 7 1/2, 8, 8 1/2, 9, 9 1/2, 10, 10 1/2, 11, 11 1/2, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 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1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137,

BRG X-LOC REACT SIZE REQ'D 2x4 SP #2 D
 1 0-4 0 3/4 8.00" 1.50"
 2 4-11 4 117 1.50" 1.50"
 3 4-11 4 57 1.50" 1.50"
 BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing
 MAX DEFLECTION (span) :
 L/999 MEM 3-4 (LIVE) LC 1
 L = -0.01
 CMT: LCA COMP (DUR) FORCES (DUR) TENS (DUR) CSI
 1-2 -98(1.60) 51(1.25) 0.23
 2-0 -2(1.25) 187(1.60) 0.20
 BC COMP (DUR) TENS (DUR) CSI
 3-4 -61(1.60) 187(1.60) 0.20
 4-0 0(0.90) 0(1.60) 0.00

Designed per ANSI/TPI 1-2002
 Plates based on quality control factors
 Cq = 1.20 for wide face and
 Cq = 1.11 for narrow face.
 Individual connections to this design show for
 individual connections to this design show for
 THIS DESIGN IS THE COMPOSITE RESULT OF
 MULTIPLE LOAD CASES.
 All truss members are designed for erection.
 All interior support(s) before erection.
 Shim bearings (if needed) for req. support.

UPLIFT REACTION(S) : Non-Wind
 Support 1 -266 lb
 2 -186 lb
 3 -186 lb
 HORIZONTAL REACTION(S) :
 support 1 187 lb
 support 2 187 lb
 support 3 187 lb
 This truss is designed using the
 ASCE 7-05 Wind Load provisions. No Exp. Category = 8
 Truss Location = Not End Zone
 Bldg Enclosed = Yes, Importance Factor = 1.00
 Bldg Category = 8
 Bldg Height = 10.00 ft, Bldg Width = 10.00 ft
 Mean roof height = 9.26 ft, mph = 120
 TPI Standard Occupancy Dead Load = 9.2 psf
 designed as Main Wind Force Resisting System
 Tributary Area = 10 sqft



All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), "17"(17 ga.), or "MX"(TMMX 20 ga.), positioned per Joint Details Report. Circled plates and truss frame plates are positioned as shown above. Ship gable stud plates to avoid overlap with structural plates (or staples).

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 15% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: 'Joint and Cutting Detail Reports' available as output from Truswal software, 'ANSI/TPI 1', 'WTCA 1' - Wood Truss Council of America Standard Design Responsibilities, 'BUILDING COMPONENT SAFETY INFORMATION' - (BCSI 1-03) and 'BCSI SUMMARY SHEETS' by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 D'Oro Drive, Madison, Wisconsin 53718. The American Forest and Paper Association (AFPA) is located at 1111 19th Street, NW, Ste 800, Washington, DC 20036.

Cust: BEN ATKINS

W0: Drive_J-r60-07_L00006_J00001

Dsgnr: ABCD #LC = 41 WT: 25#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd	Comp	Tens
BC Live	0.00 psf		1.15	1.10 / 1.10
BC Dead	10.00 psf	O.C. Spacing	2-0	0-0

Bldg Code: FBC2004R DEFL RATIO: L/240 TC: L/180

Truswal Systems Corporation
 Donald Lee Scott, P.E.
 220 Westway Place, Suite 200
 Arlington, Texas 76018
 Florida License No. 35036
 Date: 3/27/2007

TRUSWAL
 SYSTEMS
 Building Components Group, Inc.
 220 Westway Place, Suite 200, Arlington, TX 76018
 Florida Certificate of Authorization # 278
 TRUSPLUS 6.0 VER: T6.5.41

Job Name: ACE CONST.

Truss ID: TJ-07

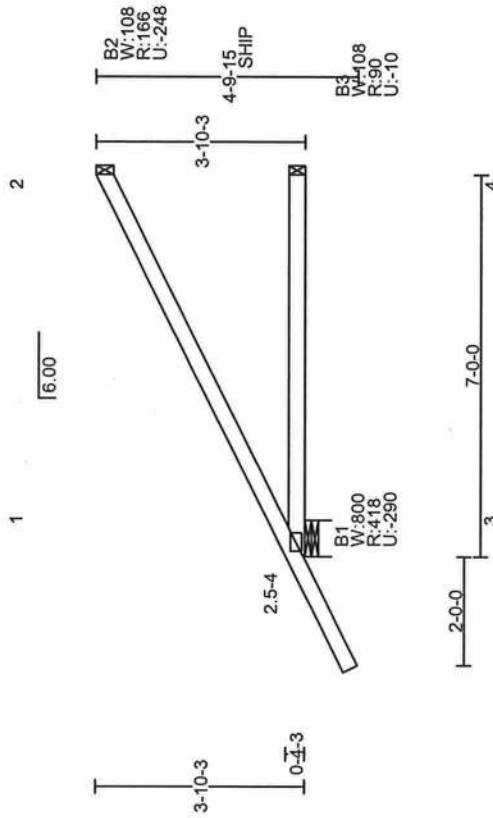
Qty: 28

TC 2x4 SP #2 D
This design does not account for Long Term
time dependent loading (creep). Building
Designer must account for this.
Refer to Joint QC Detail Sheet for
IRC/IBC truss plate values are based on
testing and approval as required by IRC 1703
and ANSI/TPI 1, and are reported in available
documents such as ICB #1607.

Designed per ANSI/TPI 1-2002
Plating is based on quality control factors
C_u = 1.11 for narrow face.
Any alterations to this are shown for
Individual joints on the joint report.
The truss is designed using the
MULTIPLE LOAD CASES COMPOSITE RESULT OF
Loaded for 10 PSF non-concurrent BCLL.
Mark all interior bearing locations.
Mark all exterior bearing locations.
Shim bearings (if needed) for req. support.

UPLIFT REACTION(S):
Support CAC Wind
1 -248 lb
2 -248 lb
3 -248 lb
HORIZONTAL REACTION(S):
Support 1 247 lb
Support 2 247 lb
Support 3 247 lb
This truss is designed using the
ASCE7-02 Wind Specification
for Buildings and Other Structures
Truss Location = Not End Zone
Hurricane/Ocean Line = No Exp. Category = 8
Bldg Length = 40.00 ft, Bldg Width = 20.00 ft
Roof Slope = 12/12
TPJ Standard Occupancy / Dead Load = 8/2 psf
Designed as Main Wind Force Resisting System
and Components and Cladding
Tributary Area = 14 sqft

BRG X-LOC REACT SIZE REQ'D
1 0-4-0 418 8.00" 1.50"
2 6-11-4 166 1.50" 1.50"
3 6-11-4 90 1.50" 1.50"
BRG REQUIREMENTS shown are based ONLY
on the truss material at each bearing
MAX DEFLECTION (CLIVE) LC 1
L/999 MEM D = -0.03" T = -0.15"
CRITICAL MEMBER FORCES:
TC COMP (OUR) TENS (OUR) CS1
2-0 -131(1.25) 73(1.25) 0.44
3-0 -83(1.60) 248(1.60) 0.37
4-0 0(1.60) 0(1.60) 0.00



Truswal Systems Corporation
Donald Lee Scott, P.E.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), "H"(16 ga.), or "MX"(TWX 20 ga.), positioned per Joint Details Report.
Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates (or staple).

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: Joint and Cutting Detail Reports available as output from Truswal software.
ANSI/TPI 1, WTCA 1 - Wood Truss Council of America Standard Design Responsibilities, BUILDING COMPONENT SAFETY INFORMATION - (BCSI 1-03) and BCSI SUMMARY SHEETS by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 D'Ondro Drive, Madison, Wisconsin 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th Street, NW, Ste 800, Washington, DC 20036.

Cust: BEN ATKINS
WO: Drive_3_jr60-07_L00006_300001
Dsgnr: ABCD

TC Live	20.00 psf	#LC = 42	WT: 33#
TC Snow(Ps)	0.00 psf		
TC Dead	7.00 psf		
BC Live	0.00 psf		
BC Dead	10.00 psf		
LiveDur	L=1.25		P=1.25
SnowDur	L=1.15		P=1.15
Rep Mbr	Bnd / Comp / Tens		1.15 / 1.10 / 1.10
O.C. Spacing	2- 0- 0		
Bldg Code:	FBC2004R		
DEFL RATIO:	L/240 TC: L/180		

TRUSWAL
SYSTEMS
Building Components Group, Inc.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida Certificate of Authorization # 278
TRUSPLUS 6.0 VER: T6.5.41

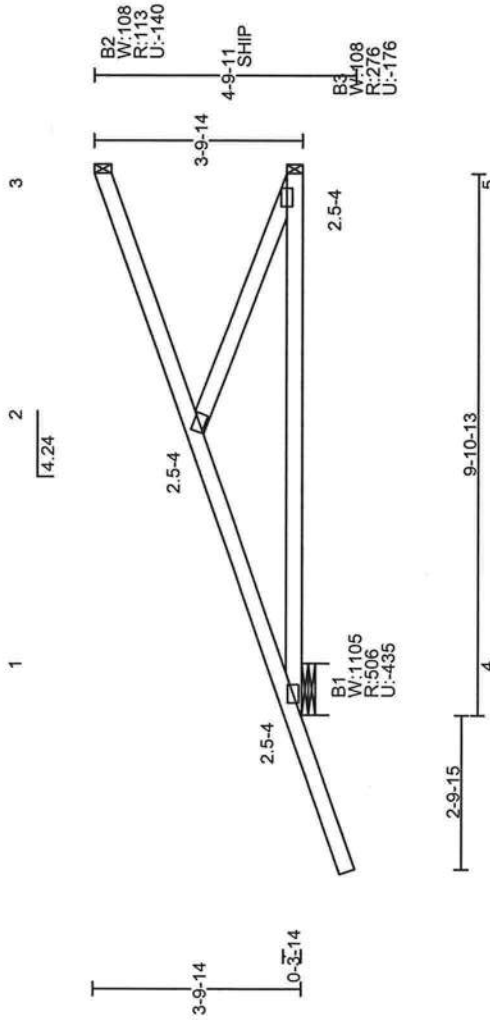
BRG 1 X-LOC REACT SIZE REQ'D 2x4 SP #2 D
2 0-5-11 506 11.31 1.50" 2x4 SP #2 D
3 9-10-1 113 1.50 1.50" 2x4 SP #2 D
4 9-10-1 113 1.50 1.50" 2x4 SP #2 D
5 9-10-1 113 1.50 1.50" 2x4 SP #2 D
6 9-10-1 113 1.50 1.50" 2x4 SP #2 D
7 9-10-1 113 1.50 1.50" 2x4 SP #2 D
8 9-10-1 113 1.50 1.50" 2x4 SP #2 D
9 9-10-1 113 1.50 1.50" 2x4 SP #2 D
10 9-10-1 113 1.50 1.50" 2x4 SP #2 D
11 9-10-1 113 1.50 1.50" 2x4 SP #2 D
12 9-10-1 113 1.50 1.50" 2x4 SP #2 D
13 9-10-1 113 1.50 1.50" 2x4 SP #2 D
14 9-10-1 113 1.50 1.50" 2x4 SP #2 D
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99 9-10-1 113 1.50 1.50" 2x4 SP #2 D
100 9-10-1 113 1.50 1.50" 2x4 SP #2 D

Designed per ANSI/TPI 1-2002
Plating is based on quality steel
Cg = 1.11 for narrow face
Any alterations to this are shown for
individual joints on the joint report.
Re: Alterations to this are shown for
individual joints on the joint report.
Maximum Rotational Tolerance used
IRC/TBC truss plate values are based on
testing and approval as required by IRC 1703
documents such as ICB 1607
Shim bearings (if needed) for req. support.
NOTE: LEFT OVERHANG DOES NOT FORM PART OF
DESIGN. TO REDUCE THE OVERHANG STRESS/
DEFLECTION, OR TRIM TO MAX. LENGTH NOTED.
Maximum Unsupported Left TC OH = 2-9-5

UPLIFT REACTION(S):
Support CGC Wind Non-Wind
1 140 lb
2 140 lb
3 140 lb
4 140 lb
5 140 lb
6 140 lb
7 140 lb
8 140 lb
9 140 lb
10 140 lb
11 140 lb
12 140 lb
13 140 lb
14 140 lb
15 140 lb
16 140 lb
17 140 lb
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19 140 lb
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89 140 lb
90 140 lb
91 140 lb
92 140 lb
93 140 lb
94 140 lb
95 140 lb
96 140 lb
97 140 lb
98 140 lb
99 140 lb
100 140 lb

Horizontal Reaction(S):
Support CGC Wind Non-Wind
1 140 lb
2 140 lb
3 140 lb
4 140 lb
5 140 lb
6 140 lb
7 140 lb
8 140 lb
9 140 lb
10 140 lb
11 140 lb
12 140 lb
13 140 lb
14 140 lb
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88 140 lb
89 140 lb
90 140 lb
91 140 lb
92 140 lb
93 140 lb
94 140 lb
95 140 lb
96 140 lb
97 140 lb
98 140 lb
99 140 lb
100 140 lb

Design Loads:
Dir L-Pif L-Loc R-Pif R-Loc LL/TL
TC Vert 74.00 2-9-13 107.00 0-0-0 0-0-0 0-0-0
TC Vert 27.00 8-5-13 107.00 9-10-13 0-0-0 0-0-0
BC Vert 0.00 0-0-0 40.36 8-5-13 0-0-0 0-0-0
BC Vert 10.00 8-5-13 10.00 9-10-13 0-0-0 0-0-0



Truswal Systems Corporation
Donald Lee Scott, P.E.
220 Westway Place, Suite 200
Arlington, Texas 76018
Florida License No. 35036
Date: 3/27/2007

All connector plates are Truswal 20 ga. unless shown by "18"(18 ga.), or "MX"(TWX 20 ga.), positioned per Joint Details Report.
Circled plates and false frame plates are positioned as shown above. Shift gable stud plates to avoid overlap with structural plates (or staple).

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Cust: BEN ATKINS

WO: Drive_J_r60-07_L00006_J00001

Dsgnr: ABCD

55#

TC Live	20.00 psf	LiveDur	L=1.25	P=1.25
TC Snow(Ps)	0.00 psf	SnowDur	L=1.15	P=1.15
TC Dead	7.00 psf	Rep Mbr Bnd	Comp / Tens	
BC Live	0.00 psf	1.00 / 1.00	1.00 / 1.00	
BC Dead	10.00 psf	O.C. Spacing	2-0-0	

Bldg Code: FBC2004R DEF. RATIO: L/240 TC: L/240

TRUSWAL
Building Components Group, Inc.
220 Westway Place, Suite 200, Arlington, TX 76018
Florida Certificate of Authorization # 278
TRUSPLUS 6.0 VER: T6.5.41

TRUSWAL SYSTEMS

1101 N. Great Southwest Parkway
Arlington, TX 76011
(800) 521-9790 FAX:(817) 649-0105

STANDARD DETAIL

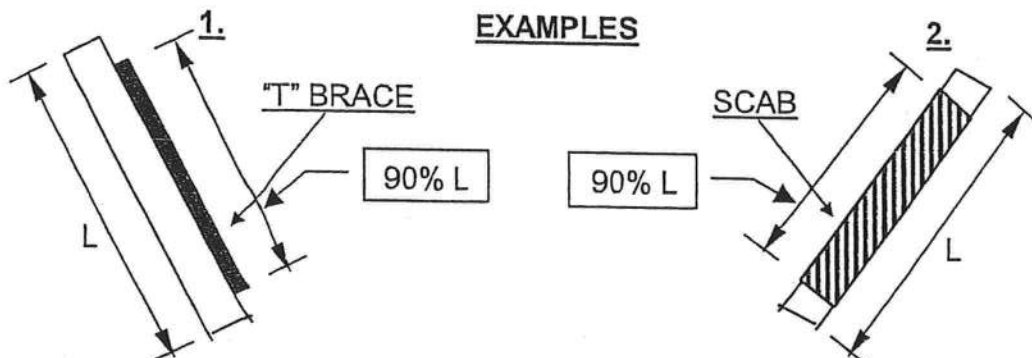
TX03135018-001

5/16/03

Users of Truswal engineering:

The TrusPlus™ engineering software will correctly design the location requirements for permanent continuous lateral bracing (CLB) on members for which it is required to reduce buckling length. Sealed engineering drawings from Truswal will show the required number and approximate locations of braces for each member needing bracing. In general, this bracing is done by using Truswal Systems Brace-It™ or a 1x or 2x member (attached to the top or bottom edge of the member) running perpendicular to the trusses and adequately designed, connected and braced to the building per the building designer (See ANSI/TPI current version). The following are other options (when CLB bracing is not possible or desirable) that will also satisfy bracing needs for individual members (not building system bracing):

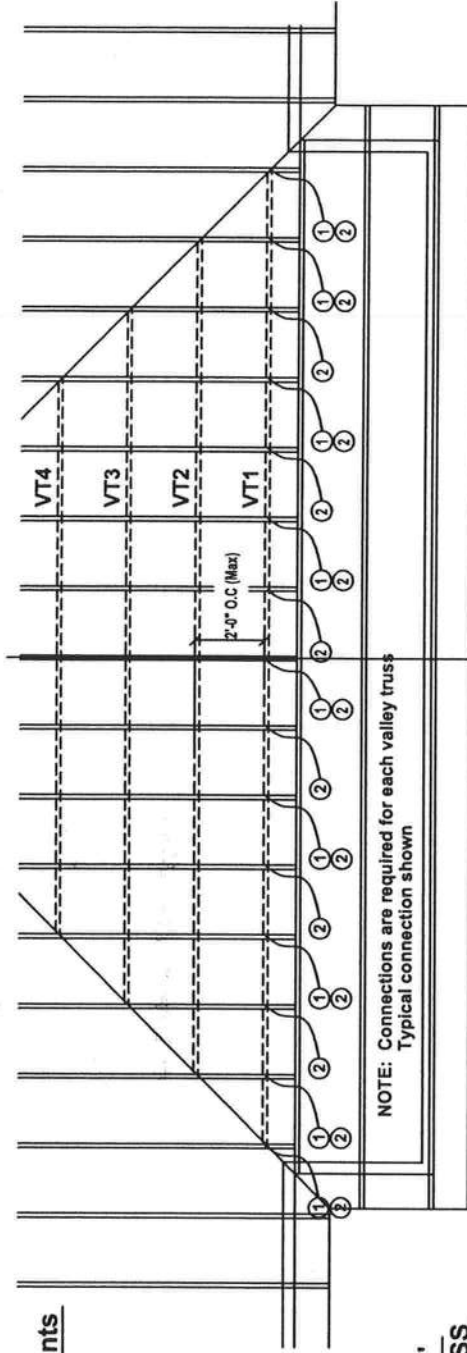
1. A 1x or 2x structurally graded "T" brace may be nailed flat to the edge of the member with 10d common or box nails at 8" o.c. if only one brace is required, or may be nailed to both edges of the member if two braces are required. The "T" brace must extend a minimum of 90% of the member's length.
2. A scab (add-on) of the same size and structural grade as the member may be nailed to one face of the member with 10d common or box nails at 8" o.c. if only one brace is required, or may be nailed to both faces of the member if two braces are required. A minimum of 2x6 scabs are required for any member exceeding 14'-0" in length. Scab(s) must extend a minimum of 90% of the members length.
3. Any member requiring more than two braces must use perpendicular bracing or a combination of scabs and "T" braces, or any other approved method, as specified and approved by the building designer.
4. Bracing material may be of SYP, SPF, Hem-Fir, or DFL species



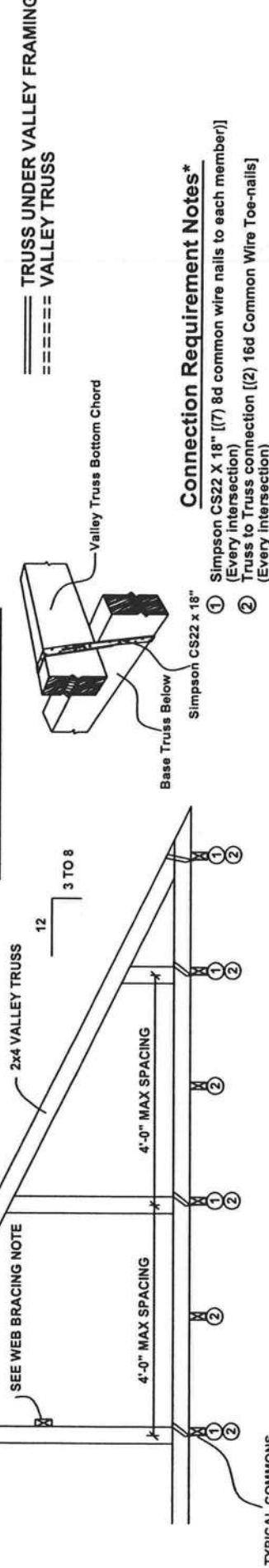
Please contact a Truswal engineer if there are any questions.

Lumber Size and Grade Minimum Requirements

See truss engineering for lumber specs



VALLEY ROOF PLAN



SECTION CUT PARALLEL TO VALLEY RAFTER

General Notes

Trusses required 2'-0" O.C. In absence of roof sheathing, valley truss bottom chords are considered purlins and nailed according to purlin requirements. Effects of not providing sheathing below a valley set the membrane characteristics of the roof must be adjusted by the building designer.

Is drawing applies to valleys with the following conditions:

- Spans (distance between heels) 40'-0" or less
- Maximum valley truss height (bottom chord to peak): 14'-0"
- Maximum wind speed: 120 mph
- Maximum total roof height: 30 feet
- Maximum total loading: 55 psf
- Meets FBC 2004 code requirements
- Exposure Category "B"
- Enclosed Building

Web Bracing, & Blocking Notes

-1x4 continuous lateral brace (CLB) is required for webs 5'-0" to 10'-0" long nailed w/ 2-10d nails. Or 1x4 "T" or scab brace nailed to flat edge of web with 8d nails at 8" o.c. "T" or scab must be 90% of cripple length. Webs over 12'-0" long require two CLBs or both faces w/ "T" or scab. Use stress graded lumber & box or common nails.

-Apply all nailing in accordance to NDS-2001 section 11

Diagonal Bracing

Install diagonal bracing in accordance to the building designer's specifications. For further information, refer to "Design Responsibilities" section of ANSI/TPI 1-2002 and "Commentary for Permanent Bracing of Metal Plate Connected Wood Trusses," published by the Wood Truss Council of America.

See HIB-91 or ANSI/TPI-95 for more information regarding temporary and permanent bracing of wood trusses.

Connection Requirement Notes*

- Simpson CS22 X 18" [(7) 8d common wire nails to each member] (Every Intersection)
- Truss to Truss connection [(2) 16d Common Wire Toe-nails] (Every Intersection)

*Connections based on So. Pine lumber and 2x4 valley truss bottom chord and 2x4 lower truss top chord. For wider chord members, use longer strap and evenly space required nails throughout.

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WARNING

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Revisions:

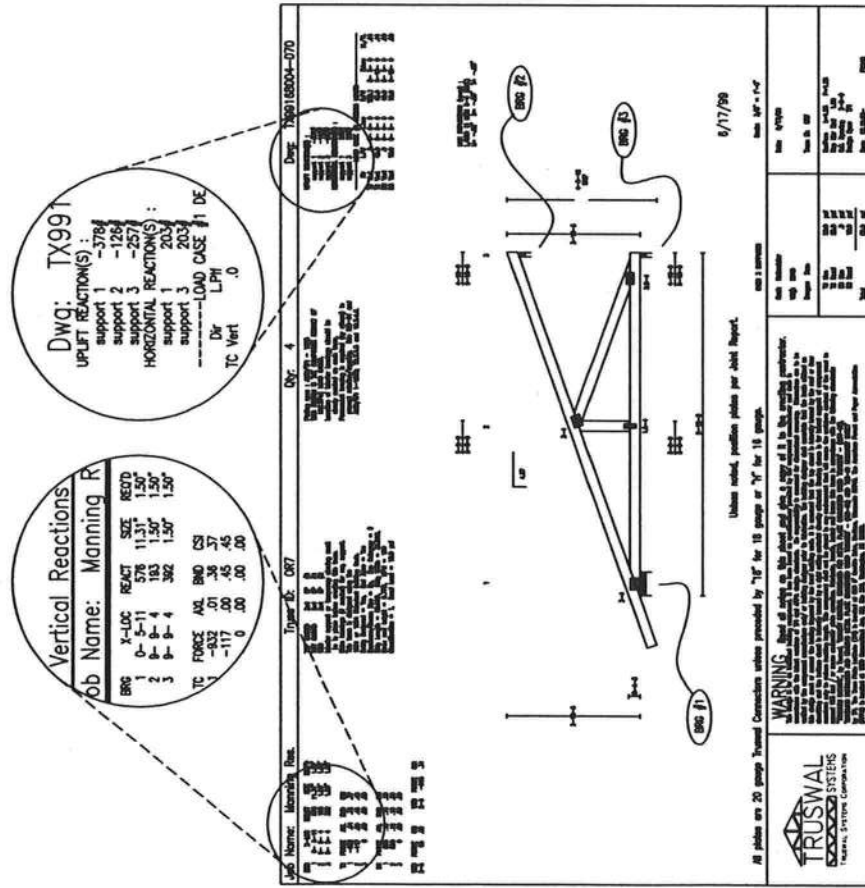
10/27/2005 - FBC 2004

Duration factor: 1.25
Repetitive member bending: 1.15
O.C. Spacing: 2-0-0
Max loading (PSF): TL-20 TD-25 BD-10
Design specs: FBC 2004, NDS 2001
ASCE 7-02, ANSI/TPI 1-2002

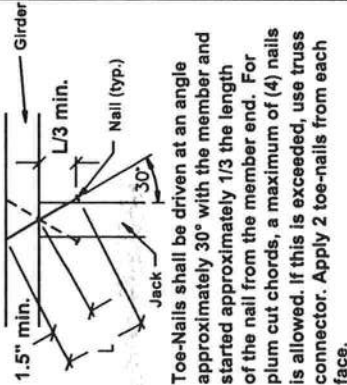
Calculating Minimum Toe-Nail Requirements

- Find bearing reaction in upper left hand corner of sealed truss engineering. (Vertical)
- Find uplift reaction in upper right hand corner of sealed truss engineering. (Uplift)
- 10d commons divide reaction by 112 lb/nail (Vertical -1.25)
- 10d commons divide reaction by 144 lb/nail (Uplift -1.60)
- 16d commons divide reaction by 123 lb/nail (Vertical -1.25)
- 16d commons divide reaction by 157 lb/nail (Uplift -1.60)
- Always round up to the nearest whole number

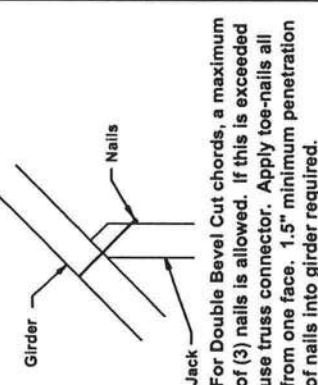
Example: Bearing 2 = 193 lb. divided by 112 lb./nail = 2 - 10d toe-nails.
Bearing 2 = 126 lb. divided by 144 lb./nail = 2 - 10d toe-nails.



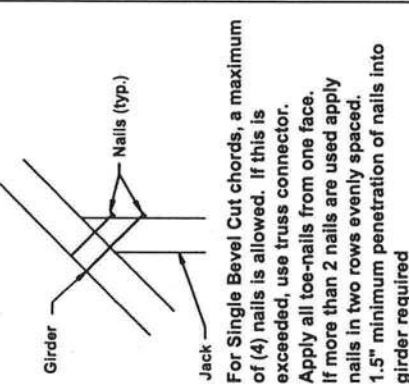
Toe-Nail - Plumb Cut



Double Bevel Cut



Single Bevel Cut



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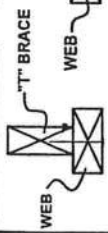
Revisions:
10/27/2005 -FBC 2004

Duration factor: 1.25
Repetitive member bending: 1.15
O.C. Spacing: 2-0-0
Design specs: FBC 2004, NDS 2001
ASCE 7-02, ANSI/TPI 1-2002



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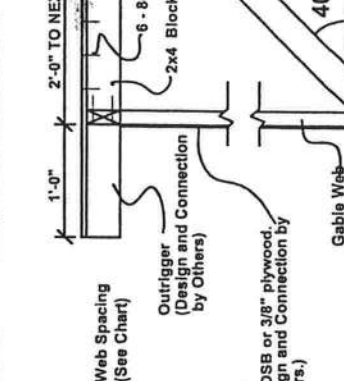
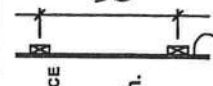
SECTION A
"T" BRACE DETAIL
(Alternate)



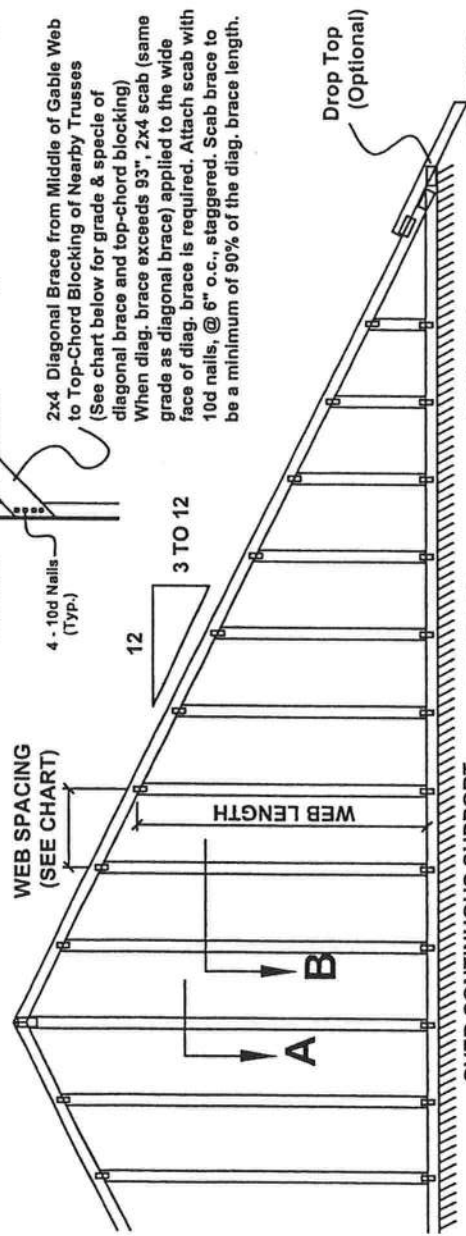
"T" or "L" bracing must be full web length. Attach "T" or "L" bracing as shown in Section A (or A-Alt.). Use 10d nails or equal as follows:

4" O.C. for web length $\leq$ 6'-8"
3" O.C. for web length $>$ 6'-8"

SECTION B
"L" BRACE DETAIL



Diagonal Brace Detail



Notes:

- Minimum Lumber Size and Grade: See Engineered Truss Drawing
- Top Chord: See Engineered Truss Drawing
- Bot. Chord: See Engineered Truss Drawing
- Webs: 2 x 4 #2 Southern Pine or better
- Differential web spacing may be used on the same design to optimize bracing requirements.
- Apply all nails in accordance to NDS-2001 section 11. All nails are common wire nails or equivalent.
- Bracing (designed by others) is required at the truss bottom to resist horizontal forces from the wall. The determination of all lateral forces is beyond the scope of the component fabricator and is the building designer's responsibility.

- This drawing applies to gables with the following conditions:
- Maximum wind speed: 120 mph
 - Maximum mean roof height: 30 foot
 - Maximum total loading: 55 psf
 - Meets FBC 2004 code requirements
 - Exposure Category "B"
 - Enclosed Building
 - 1.00 Importance factor
 - No diaphragm loads considered
 - Kzt: 1.00

Specie and Grade of Brace Material	OPTION #1		OPTION #2		OPTION #3	
	MAXIMUM WEB LENGTH WITHOUT BRACING (SHEATHED) *	MAXIMUM WEB LENGTH WITH 1x4 "L" BRACE (SHEATHED) *	MAXIMUM WEB LENGTH WITH 2x4 "T" or "L" BRACE (SHEATHED) *	MAXIMUM WEB LENGTH WITH 2X4 DIAG BRACE (SHEATHED) *	MAXIMUM WEB LENGTH WITH 2X4 DIAG BRACE (SHEATHED) *	MAXIMUM WEB LENGTH WITH 2X4 DIAG BRACE (SHEATHED) *
#2 S. PINE or better	16" O.C. 24" O.C.	16" O.C. 24" O.C.	16" O.C. 24" O.C.	16" O.C. 24" O.C.	16" O.C. 24" O.C.	16" O.C. 24" O.C.
#2 SPF or better	6' - 0" 5' - 3"	9' - 3" 7' - 9"	11' - 8" 9' - 2"	11' - 10" 10' - 6"	11' - 10" 8' - 6"	11' - 10" 8' - 6"

*(sheathing plus vertical section [see section B detail] / vertical section only)

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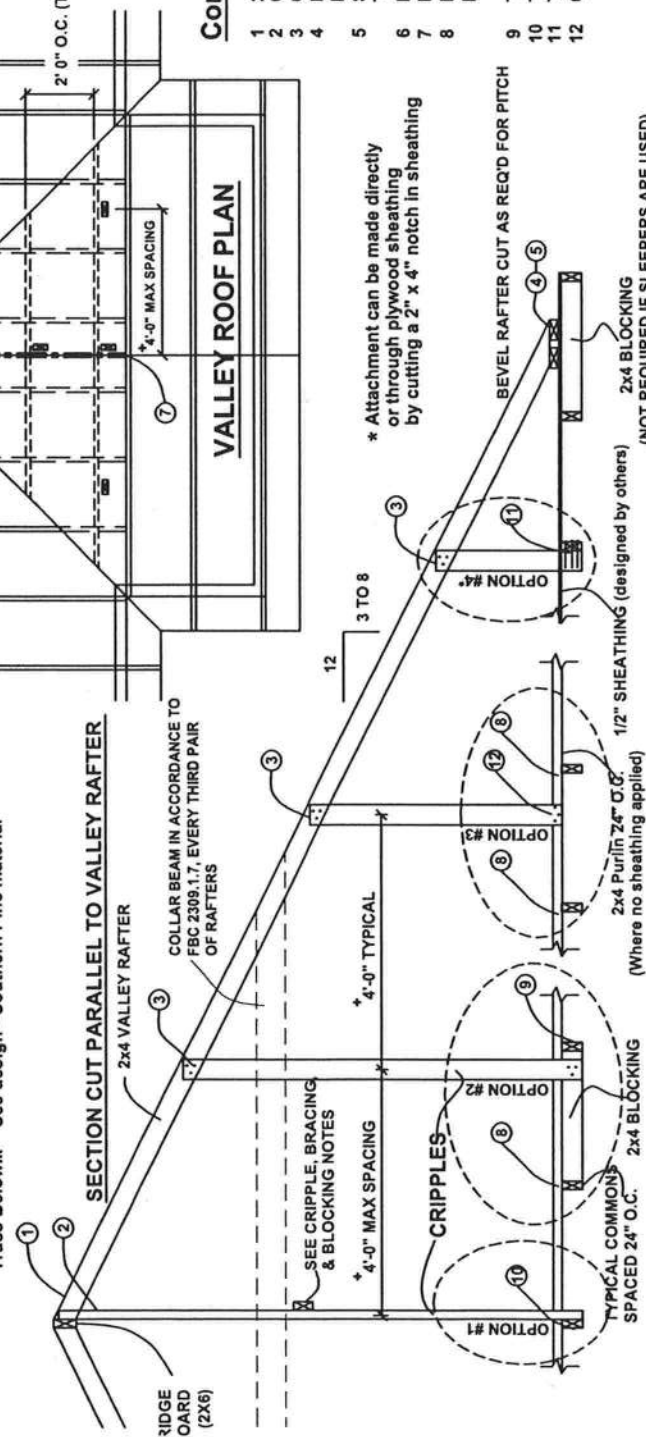
Revisions:
10/27/2005 - FBC 2004

Duration factor: 1.25
O.C. Spacing: 2-0-0
Max loading (PSF): TL-20 TD-25 BD-10
Design specs: FBC-2004, NDS 2001
ASCE 7-02, ANSI/TPI 1-2002

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Lumber Size and Grade Minimum Requirements

- Ridge board... 2x6 (min)#2 Southern Pine or better,
- Rafter spans 20'-0" or less... 2x4 #2 Southern Pine or better
- Purlins / Lateral bracing... 2x4 #2 Spf or better
- Sleepers... 2x(width of rafter seat cut) #3 Spf or 2 parallel 2x4 #3 Spf
- Cripples and blocking... 2x4 #3 Spf or better
- Truss Below... See design - Southern Pine material



Connection Requirement Notes

- 2x4 rafters to ridge
- Cripple to ridge
- Cripple to rafter
- Rafter to two 2x4 sleepers
- Sleeper to truss
- Two 2x4 sleepers to truss
- Ridge board to roof block
- Purlin to truss (Typ)
- Purlin to truss (if cripple is attached to purlin)
- Truss to blocking
- Truss to cripple
- Truss to purlin
- 2x4 face nails
- 3 16d toe-nails
- 3 16d face nails
- 3 16d toe-nails each sleeper
- 3 16d face nails each truss
- 3 16d toe-nails each sleeper & truss
- 3 16d face nails
- 3 16d toe-nails
- 3 16d face nails
- 3 16d end nails
- 3 16d face nails
- 3 16d face nails

GENERAL NOTES

- Purlins required 2'-0" O.C. in absence of plywood sheathing.
- Trusses without sheathing applied must be evaluated accordingly.
- Purlins should overlap sheathing one truss spacing minimum.
- In cases that this is impractical, overlap sheathing a minimum of 6", and nail upwards through sheathing into purlin with a minimum of 8-8d common wire nails.
- The effects of not providing sheathing below a valley set on the membrane characteristics of the roof must be evaluated by the building designer.
- This drawing applies to valleys with the following conditions:
 - Spans (distance between heels) 40'-0" or less
 - Maximum valley height: 14'-0"
 - Maximum wind speed: 120 mph
 - Maximum mean roof height: 30 feet
 - Maximum total loading: 40 psf
 - Meets FBC 2004/ASCE 7-2002 wind requirements
 - Exposure Category "B", I=1.0, Kzt=1.0
 - Enclosed Building

CRIPPLE, BRACING, & BLOCKING NOTES

- 1x4 continuous lateral brace (CLB) min. is required for cripples 5'-0" to 10'-0" long nailed w/ 2-10d nails. Or 1x4 "T" or scab brace nailed to flat edge of cripple with 8d nails at 8" o.c. "T" or scab must be 90% of cripple length. Cripples over 10'-0" long require two CLBs or both faces w/ "T" or scab. Use stress graded lumber & box or common nails.
- Narrow edge of cripple can face ridge or rafter, as long as the proper number of nails are installed into ridge board
- Install blocking under rafter if sleepers are not used.
- Install blocking under cripples if cripples fall between lower truss top chords and lateral bracing is not used.
- Apply all nailing in accordance to NDS-2001 section 11. Nails are common wire nails unless noted otherwise.

WARNING Read all notes on this sheet and give a copy of it to the erecting contractor.

This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. It is assumed that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid ceiling material directly attached, unless otherwise noted. Bracing shown is for lateral support of component members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and / or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: 'Joint and Cutting Reports' available as output from Truswal software, 'ANSI/TPI 1', 'WTCA 1', 'Wood Truss Council of America Standard Design Responsibilities', 'BUILDING COMPONENT SAFETY INFORMATION' (BCSI 1-103) AND 'BCSI SUMMARY SHEETS' by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 D'Onofrio Dr., Madison Wisconsin 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th St., NW, Ste 800, Washington, DC 20036.

Revisions:
11/21/02 Collar beam added
10/27/2005- FBC 2004

Duration factor: 1.25
O.C. Spacing: 2'-0-0
Max loading (psf): TL-20 TD-10 BD-10
Design specs: FBC 2004, NDS 2001
ASCE 7-02, ANSI/TPI 1-2002

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Truswal Systems Corporation
101 N. Great S.W. Pkwy., Arlington, TX 76011
Florida Certificate of Authorization # 278

Connection Notes

Attach piggyback to structural truss as described below:

A) Use 2x4 scabs nailed to each face of structural/piggyback truss assembly. Attach using "N" number of 10d common nails or equivalent. Number of nails, "N," and length of scabs, "X," are indicated in table below. Scabs are required on the left and right heels. Center scabs about joints.

B) Attach bottom chord of each piggyback truss to each continuous lateral brace (purlin) using (2) 16d common wire toe-nails or equivalent. See Toe-nail detail.

Scab Length Table		
	"L"	"X" "N"
	8'-0"-0	12" 2 nails
	12'-0"-0	12" 3 nails
	20'-0"-0	18" 4 nails
	28'-0"-0	20" 5 nails
	36'-0"-0	24" 6 nails

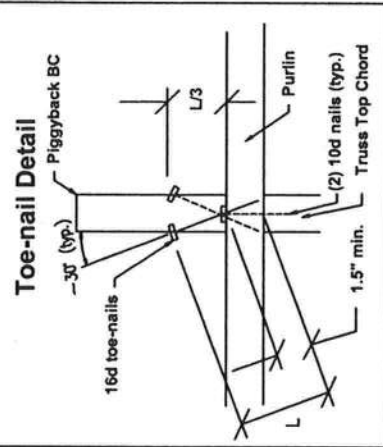
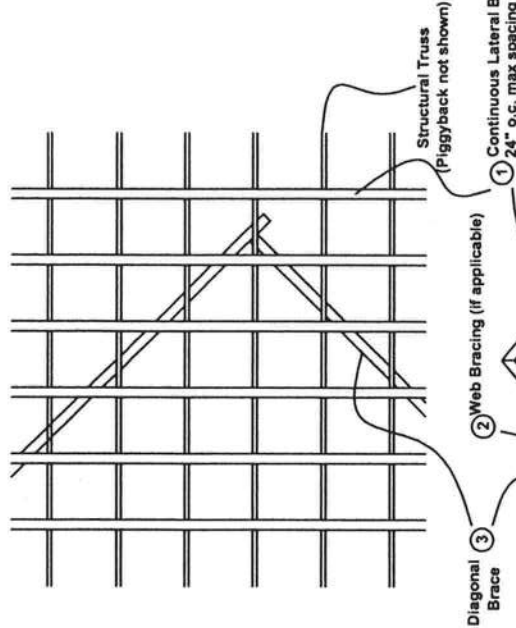
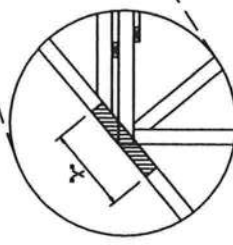
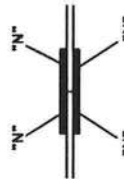
"L" = Maximum Flat Top Length

"X" = Minimum Scab Length

"N" = Number of nails each side of joint in each block

Scab Connection Detail

See table for scab lengths and number of nails required (Scab is #3 s. pine or better)



Bracing Notes

1 Continuous Lateral Chord Bracing

Install 2x4 S. Pine continuous lateral bracing at 24" o.c. maximum spacing to flat top chord of structural truss. Attach with (2) 10d common wire nails or equivalent. Structural truss must be designed with purlins spaced 24" O.C. in flat top chord area.

2 Web Bracing

Webs over 5'-0" long require bracing. Use 1x4 continuous lateral brace (CLB) nailed w/2-10d nails, or 1x4 "T" brace nailed to flat edge of web w/8d nails at 8" o.c., or scab (same size and grade as web) nailed to face of web with 10d nails at 8" o.c. "T" or scab brace must be 90% of web length. Webs over 10'-0" long require two CLB's or "T" or scab braces. Attach "T" braces to both edges of web or scab braces to both faces of web. Use stress graded lumber for CLB, "T", or scab braces. Nails are box or common wire nails.

3 Diagonal Bracing

Install diagonal bracing in accordance to the building designer's specifications. For further information, refer to "Design Responsibilities" section of ANSI/TPI 1-2002 and "Commentary for Permanent Bracing of Metal Plate Connected Wood Trusses," published by the Wood Truss Council of America.

See HIB-91 or ANSI/TPI-95 for more information regarding temporary and permanent bracing of wood trusses.

General Notes

Minimum grade for piggyback is #2 S. Pine for chords and #3 S. Pine for webs.

Piggyback truss require vertical web members at 72" o.c. in addition to king post. Minimum plate size for vertical webs is 1.5-3. Use 3.5-4 plates at peak and 3-4 plates at heels and splices. Maximum piggyback span 36'-0".

Apply all nails in accordance to NDS-2001 section 11.

This detail is valid under the following conditions:

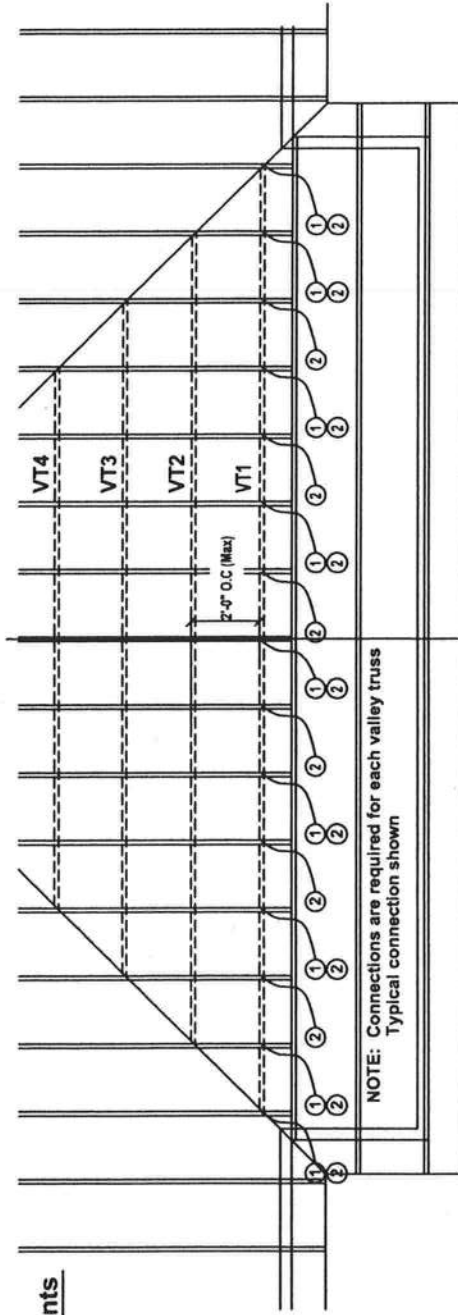
- Enclosed Building
- FBC 2004 code requirements
- Maximum wind speed: 120 mph
- Maximum mean roof height: 30 ft.
- Maximum total loading: 55 psf
- No diaphragm loads considered

WARNING Read all notes on this sheet and give a copy of it to the erecting contractor. This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. It is assumed that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid ceiling material directly attached, unless otherwise noted. Bracing shown is for lateral support of component members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and / or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: 'Joint and Cutting Reports' available as output from Truswal software, 'ANSI/TPI 1', 'WTCA 1', 'Wood Truss Council of America Standard Design Responsibilities', 'BUILDING COMPONENT SAFETY INFORMATION'. (BCSI 1-43) AND 'BCSI SUMMARY SHEETS' by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 D'Onofrio Dr., Madison Wisconsin 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th St., NW, Ste 800, Washington, DC 20036.

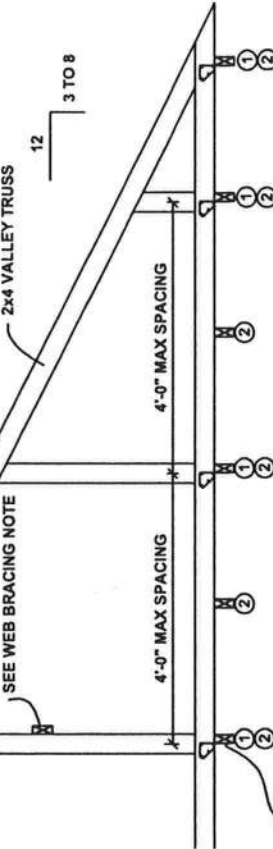
Revisions:
10/27/2005 - FBC 2004

Duration factor: 1.25
Repetitive member bending: 1.15
O.C. Spacing: 2'-0"-0
Max loading (PSF): TL-20 TD-25 BD-10
Design specs: FBC-2004, NDS 2001
ASCE 7-02, ANSI/TPI 1-2002

Lumber Size and Grade Minimum Requirements
See truss engineering for lumber specs



VALLEY ROOF PLAN



===== TRUSS UNDER VALLEY FRAMING
===== VALLEY TRUSS



Connection Requirement Notes*

- ① Simpson "H4" Hurricane Tie [(4) 8d Common Wire Nails to each member]
 - ② Truss to Truss connection [(2) 16d Common Wire Toe-nails] (Every Intersection)
- *Connections based on So. Pine Lumber and 2x4 valley truss bottom chord and 2x4 lower truss top chord.

SECTION CUT PARALLEL TO VALLEY RAFTER

General Notes

- Purlins required 2'-0" O.C. in absence of roof sheathing.
- Valley truss bottom chords are considered purlins when nailed according to purlin requirements.
- The effects of not providing sheathing below a valley set on the membrane characteristics of the roof must be evaluated by the building designer.
- This drawing applies to valleys with the following conditions:
 - Span (distance between heels) 40'-0" or less
 - Maximum valley truss height (bottom chord to peak): 14'-0"
 - Maximum wind speed: 120 mph
 - Maximum total loading: 55 psf
 - Meets FBC 2004 code requirements
 - Exposure Category "B"
 - Enclosed Building

Web Bracing, & Blocking Notes

- 1x4 continuous lateral brace (CLB) is required for webs 5'-0" to 10'-0" long nailed w/ 2-10d nails. Or 1x4 "T" or scab brace nailed to flat edge of web with 8d nails at 8" o.c. "T" or scab must be 90% of cripple length. Webs over 12'-0" long require two CLBs or both faces w/ "T" or scab. Use stress graded lumber & box or common nails.
- Apply all nailing in accordance to NDS-2001 section 11

Diagonal Bracing

Install diagonal bracing in accordance to the building designer's specifications. For further information, refer to "Design Responsibilities" section of ANSI/TPI 1-02 and "Commentary for Permanent Bracing of Metal Plate Connected Wood Trusses," published by the Wood Truss Council of America.

See BCSI 1-03 or ANSI/TPI 1-02 for more information regarding temporary and permanent bracing of wood trusses.

WARNING Read all notes on this sheet and give a copy of it to the erecting contractor.

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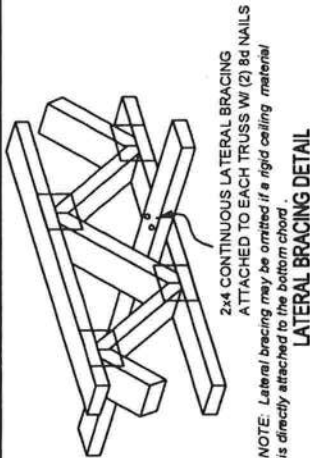
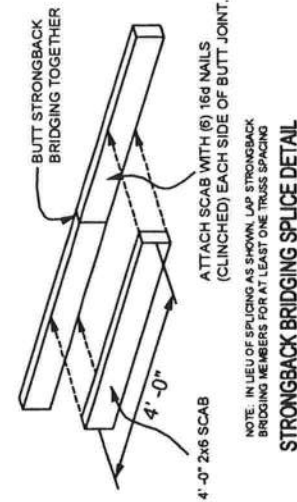
1101 N. Great S.W. Pkwy., Arlington, TX 76011
Florida Certificate of Authorization # 278

Revisions:
10/27/2005 - FBC 2004

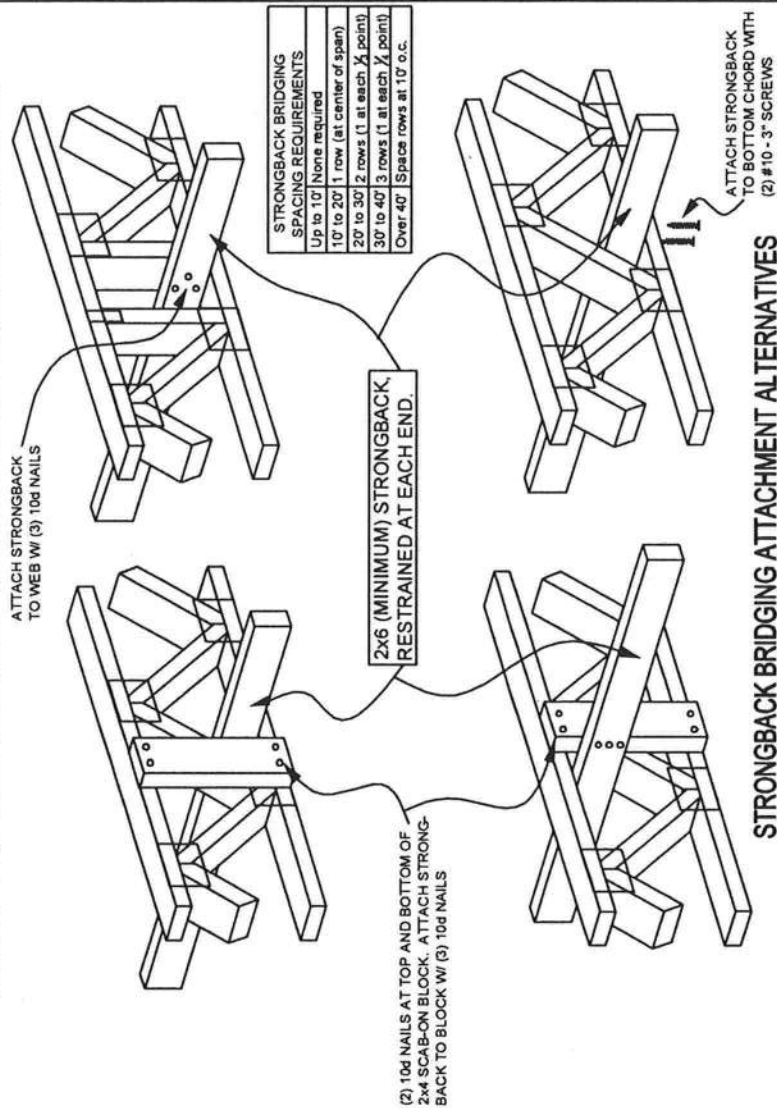
Duration factor: 1.25
Repetitive member bending: 1.15
O.C. Spacing: 2'-0"
Max loading (PSF): TL-20 TD-25 BD-10
Design specs: FBC 2004, NDS 2001
ASCE 7-02, ANSI/TPI 1-2002

STRONGBACK BRIDGING AND BRACING REQUIREMENTS

DWG # TX02281015-001



NOTE: Top two attachment alternatives are the preferred methods



WARNING Read all notes on this sheet and give a copy of it to the erecting contractor.

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TRUSWAL SYSTEMS
Truswal Systems Corporation
101 N. Great S.W. Pkwy., Arlington, TX 76011

Revisions:

Duration factor: 1.00

O.C. Spacing:

Max loading (PSF):

Design specs: IBC/IRC, UBC, NDS 97, TPI 95

- All bracing and strongback bridging material to be grade marked lumber.
- The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is required at 10' -0" o.c.
- The purpose of lateral bracing is to provide lateral stability of the member. 2x4 continuous lateral bracing is required at intervals not to exceed 10' -0" o.c. NOTE: when positioned at the upper side of the bottom chord, strongback bridging also satisfies the lateral bracing requirements for the bottom chord of the truss.

The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. "Bridging," particularly "strongback bridging" is a requirement to a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent trusses, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

In addition to safely supporting the load to be imposed upon it, a floor system should perform to the satisfaction of the owner. Since expectancy levels vary from one occupant to another, designing a floor system becomes a subjective issue requiring judgment as to the sensitivity of the occupant. For example, a floor system that is entirely satisfactory for one user may be unacceptable for another. The performance of all floor systems are enhanced by the installation of strongback bridging, and therefore is required by Truswal Systems Corporation.

For additional information regarding bracing, see *Bracing Wood Trusses: Commentary & Recommendations for Handling, Installing and Bracing Metal Plate Connected Wood Trusses* (HIB-91).

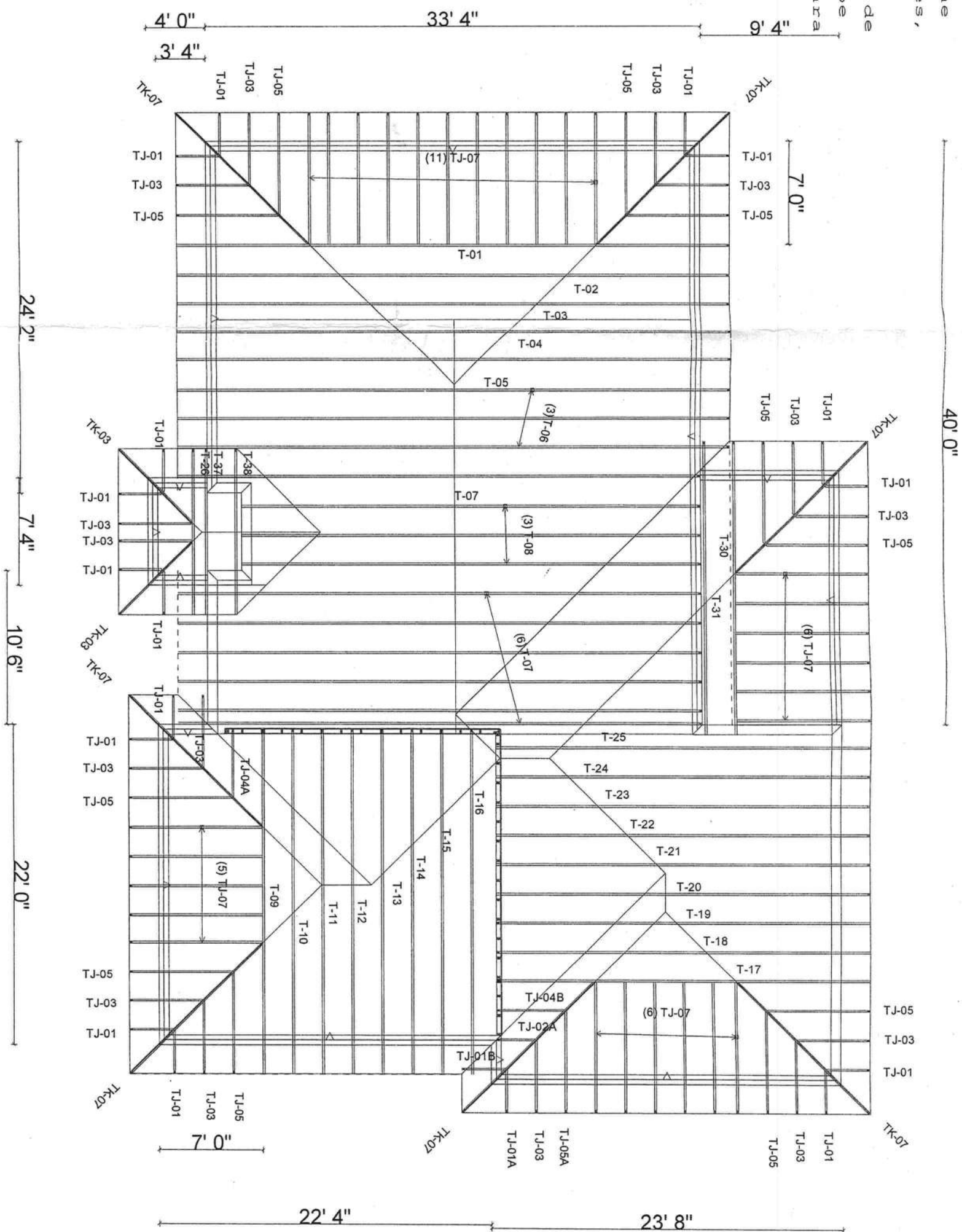
Superintendent or framer must refer to the
 Lord Beijing

truss engineering for all quantities,plies,
wallHeight:

spacing, and spans.

El capiteado al bello es solamente un acto de

guie. El Superintendente o carpintero debe referirse hacia el cabreada ingeniería para todas las cantidades, hacer el servicio entre el espacio y envergadura.



5

608 N. 12th Street

Haines City, FL. 33844

Ph. (863) 422-5964

Fax (863) 421-2201

BEN ATKINS

DUE DATE: 03/22/2007

DSGNR/CHKR: ABCD / ABCD

TC Dead	7.00 psf
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BC Live	0.00 psf
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BC Dead	10.00 psf
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37.00 psf

SCALE: 1/8" = 1'

Date: 3/27/2007 14:52

DURFac-Lbr : 1.25

DurfAc-Plt : 1.25

O.C. Spacing: 24.0

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#Tr/#Cfg: 125 / 42
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13032

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Baya Dr

City Lake City Phone 752-1703

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # 25911

Address 1299 SW Mixson

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
☒ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment:

☒ Soil

☐ Wood

<u>Area Treated</u>	<u>Square feet</u>	<u>Linear feet</u>	<u>Gallons Applied</u>
<u>MB, FP, BP, Grg</u>	<u>2607</u>	_____	<u>250</u>
_____	_____	_____	_____
_____	_____	_____	_____

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

4/17/08

Date

11:40

Time

Guy Harrington

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

