DATE 08/23/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000023521

APPLICANT WILLIAM SCOTT PHONE 365-1222

ADDRESS 780 SW RIDGE STREET LAKE CITY FL 32056

OWNER LONNIE & TERRI BUCCHI PHONE 719-3939

ADDRESS 360 SE RED CASON DRIVE LULU FL 32061

CONTRACTOR WILLIAM SCOTT PHONE 365-1222

LOCATION OF PROPERTY HIGHWAY 100, TO LULU, TR ON DOUGLAS, TL ON BED CASON, 1ST DRIVE ON RIGHT, WHITE MAILBOX

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 141850.00

HEATED FLOOR AREA 2837.00 TOTAL AREA 3838.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 27

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 35-4S-18-10484-000 SUBDIVISION TOWN OF LULU

LOT BLOCK 18 PHASE UNIT TOTAL ACRES

Culvert Permit No.	Culvert Waiver	CBC1250835 Contractor's License Number	William Scott Applicant/Owner/Contractor	
EXISTS Driveway Connection	05-0747-D Septic Tank Number	BK LU & Zoning checked by	Approved for Issuance	Y New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 2027

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 $ 710.00 CERTIFICATION FEE $ 19.19 SURCHARGE FEE $ 19.19

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ WASTE FEE $

FLOOD ZONE DEVELOPMENT FEE $ CULVERT FEE $ **TOTAL FEE** 798.38

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0508-30 Date Received 8/5/05 By JAL Permit # 23521
Application Approved by - Zoning Official BLK Date 22.08.05 Plans Examiner OK JTH Date 8-12-05
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A3
Comments NOC, Existing Manufactured/Mobile Home

Applicants Name Linda Roder or Melanie Roder Phone 752-2281
Address 387 SW Kemp Ct Lake City FL 32024
Owners Name Lonnie & Terri Bucchi LuLu Phone 719-3939
911 Address 360 S.E. Red Cason Dr. Lake City FL 32061
Contractors Name William Scott Construction Phone 365-1222
Address 780 S.W. Ridge St. Lake City FL 32024
Fee Simple Owner Name & Address N/A
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Reena Rutto / Mark Disosway
Mortgage Lenders Name & Address 1st Federal

X Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 26,27,34,35 00-4S-18E-10484-000 Estimated Cost of Construction 135,000
~~Subdivision Name~~ Block 18 Town of LuLu Lot ____ Block 18 Unit ____ Phase ____
Driving Directions go on 100 to LuLu, go Ron Douglas, go 100'. Turn left onto dirt road (Red Cason.) 1st Driveway on R. - See white mailbox
Type of Construction SFD Number of Existing Dwellings on Property 1 with mobile unit
X Total Acreage 5 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 60' Side 60' Side 25' Rear 90'
Total Building Height 27' Number of Stories 1 Heated Floor Area 2837 Roof Pitch 8-12
Porches 385 GARAGE 616 TOTAL 3838

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

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

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Sworn to (or affirmed) and subscribed before me
this 4 day of August 20 05.
Personally known ____ or Produced Identification C

X William Scott
Contractor Signature
Contractors License Number CBC 1250835
Competency Card Number ____
NOTARY STAMP/SEAL

Linda R. Roder
Notary Signature

Notice of Authorization

I William Scott, do hereby authorize Linda Roder or Melanie Roder,

to be my representative and act on my behaf in all aspects of applying for any Septic or

building permit to be located in Columbia county.

Any homeowner and legal description

X William Scott

Contractor's signature

8-3-05

Date

Sworn and subscribed before me this 3 day of August, 2005.

Linda R. Roder

Notary Public

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

My commision expires: 3-24-08

Commision No.

Personally known ✓

Produced ID (Type):

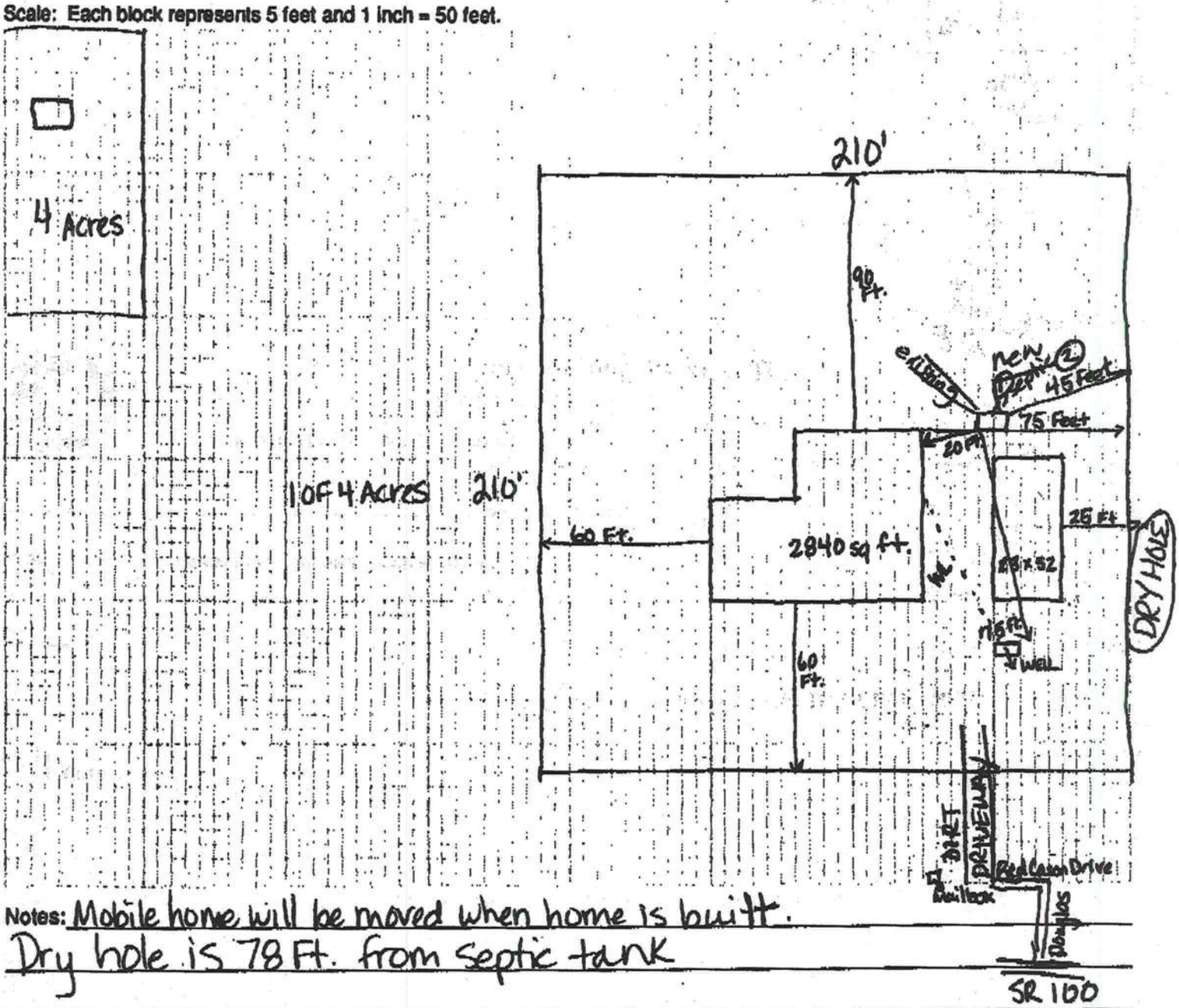
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-0747MD

PART II - SITE PLAN

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



Notes: Mobile home will be moved when home is built.
Dry hole is 78 Ft. from septic tank

Site Plan submitted by: Jerry S. Dicks Buccleu
Signature

owner
Title

Plan Approved ✓ Not Approved ____

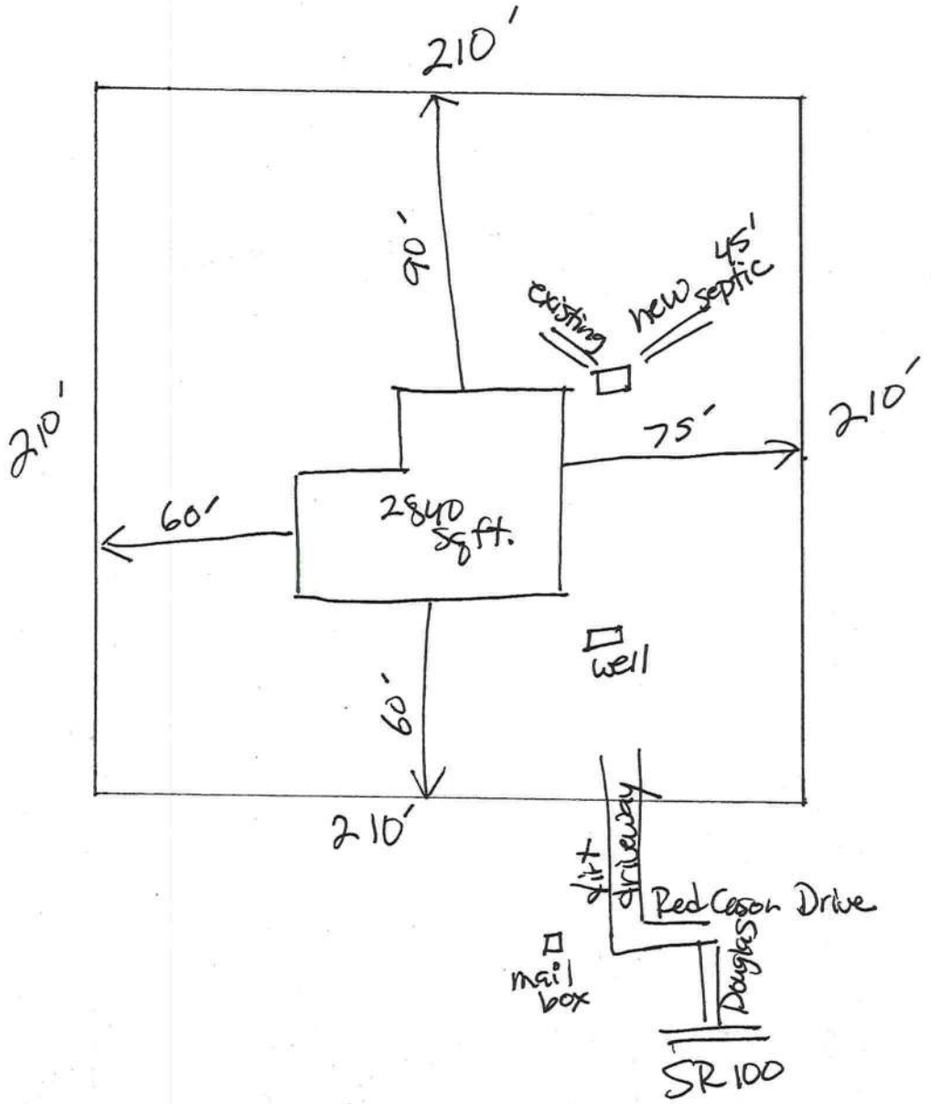
Date 7-29-05

By Sallie Maddy · ESI · Columbia
County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Site Plan

Lonnie + Terri Bucci



PREPARED BY/RETURN TO:
William J. Haley, Esquire
BRANNON, BROWN, HALEY,
ROBINSON & BULLOCK, P.A.
P. O. Box 1029
Lake City, FL 32056-1029

01-11053

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL.

'01 JUN 18 AM 11:34

RECORDED VERIFIED

BK 0928 PG 2796

OFFICIAL RECORDS

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

Documentary Stamp .70
Intangible Tax
P. DeWitt Cason
Clerk of Court
By D.C.

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 18th of June, 2001, between **PHYLLIS AMELIA DICKS**, a single woman, having a mailing address of Route 3, Box 3000, Lake Butler, Florida 32054, hereinafter referred to as Grantor, and **TERRI SPARKLE DICKS**, a single woman, having a mailing address of Route 3, Box 2060, Lake Butler, Florida 32054, hereinafter referred to as Grantee.

WITNESSETH:

That said Grantor, for and in consideration of the sum of $1.00 and love and affection to said Grantor in hand paid by said Grantee, the receipt and sufficiency of which are hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's successors and assigns forever, the following described land, lying, situate and being in Columbia County, Florida, to wit:

All of my undivided interest in:

TOWNSHIP 4 SOUTH, RANGE 18 EAST

SECTION 26:	All of Block 18, of Lulu, Florida, lying in SW¼ of SW¼.
SECTION 27:	All of Block 18, of Lulu, Florida, lying in SE¼ of SE¼
SECTION 34:	All of Block 18, of Lulu, Florida, lying in NE¼ of NE¼
SECTION 35:	All of Block 18, of Lulu, Florida, lying in NW¼ of NW¼

SUBJECT TO: Taxes and special assessments for the year 2001 and subsequent years; restrictions, reservations, and easements of record; and zoning and any other governmental restrictions regulating the use of the lands.

PARCEL NO. R00-00-00-10484-000

and said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons claiming by, through or under said Grantor.

BK 0928 PG 2797

OFFICIAL RECORDS

IN WITNESS WHEREOF, Grantor has caused these presents to be executed the day and year first above written.

Signed, sealed and delivered
in the presence of:

Print Name: Willard J. Haley

Print Name: Debbie G. Moore

Phyllis Amelia Dicks

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 18th day of me, 2001, by Phyllis Amelia Dicks, a single woman, who is personally known to me, or who produced Florida Drivers License as identification.

Debbie G. Moore
Print Name:
Notary Public, State of Florida
Commission No.
My commission expires:

DEBBIE G. MOORE
MY COMMISSION # DD 03491
EXPIRES: March 16, 2005
Bonded Thru Notary Public Underwriters

6/17/01:dgm
::ODMA\WORLDOX\F:\WPDOCS\99945\00000\00075470.WPD

Permit Number:[type permit number]

Tax Folio Number: **R10484-000**

State of: **Florida**
County of: **Columbia**

Inst:2005017882 Date:07/27/2005 Time:10:53
DC,P.DeWitt Cason,Columbia County B:1053 P:291

File Number: **05-486**

NOTICE OF COMMENCEMENT

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

1. Description of Property:
   All of Block 18, of Town of Lulu, being a part of Sections 26, 27, 34 and 35, Township 4 South, Range 18 East, Columbia County, Florida.

2. General Description of Improvements: Residential Single Family

3. Owner Information:
   a. Name and Address: Terri S. Bucchi, 360 SE Red Cason Drive, Lake City, Florida 32061,
   b. Interest in property: Fee Simple
   c. Names and address of fee simple title holder (if other than owner):

4. Contractor: William Scott Construction, 780 SW Ridge Street, Lake City, Florida 32024

5. Surety: N/A

6. Lender: First Federal Savings Bank of Florida, 4705 West U. S. Highway 90, Lake City, Florida 32055

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1) (a)7., Florida Statutes.

8. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.**PAULA HACKER OF FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U. S. Highway 90/P.O. Box 2029, Lake City, Florida 32056**

9. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified): July 22, 2006.

Terry S. Bucchi

Terry S. Bucchi

Sworn to and subscribed before me July 22, 2005 by who is personally known to me or who did provide drivers license as identification.

Elaine R. Davis

Notary Public
My Commission Expires:

ELAINE R. DAVIS
Notary Public - State of Florida
My Commission Expires Oct 14, 2007
Commission # DD 223411
Bonded By National Notary Assn.

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Maud Keen Deputy Clerk
Date July 27, 2005

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 35-4S-18-10484-000 **Building permit No.** 000023521

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

Permit Holder WILLIAM SCOTT **Waste:**

Owner of Building LONNIE & TERRI BUCCHI **Total:** 0.00

Location: 360 SE RED CASON DRIVE, LULU, FL

Date: 06/21/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

CERTIFICATE OF

TEMPORARY

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 35-4S-18-10484-000 **Building permit No.** 000023521

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

Permit Holder WILLIAM SCOTT **Waste:**

Owner of Building LONNIE & TERRI BUCCHI **Total:** 0.00

Location: 360 SE RED CASON DRIVE, LULU, FL

Date: 04/20/2006

Randy Jones 646 **Building Inspector**

POST IN A CONSPICUOUS PLACE
(Business Places Only)

 #23521

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General Information (Treating Company Information)

Company Name: **Aspen Pest Control, Inc.**
Company Address: **301 NW Cole Terrace** City **Lake City** State **FL** Zip **32055**
Company Business License No. **JB109476** Company Phone No. **386-755-3611**
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Scott Tonst / Tonnie Bucchi Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 360 S.E Red Cedar Rd Lake Fl. 32061

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 9-26-05
Brand Name of Product(s) Used Termidor
EPA Registration No. 70907-7-53883
Approximate Final Mix Solution % 0.5 %
Approximate Size of Treatment Area: Sq. ft. 3436 Linear ft. 274 Linear ft. of Masonry Voids 278
Approximate Total Gallons of Solution Applied 670
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments

Name of Applicator(s) [signature] Certification No. (if required by State law) **JF104376**

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [signature] Date 9-26-05

CERTIFICATE OF TEMPORARY 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 35-4S-18-10484-000 **Building permit No.** 000023521

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

Permit Holder WILLIAM SCOTT **Waste:**

Owner of Building LONNIE & TERRI BUCCHI **Total:** 0.00

Location: 360 SE RED CASON DRIVE, LULU, FL

Date: 04/20/2006

Randy Jones 646 **Building Inspector**

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FORM 600A-2001 EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Bucchi**	Builder:	
Address:	**360 SE Red Cason Dr**	Permitting Office:	
City, State:	**LuLu, FL**	Permit Number:	23521
Owner:	**Lonnie & Terri Bucchi**	Jurisdiction Number:	221000
Climate Zone:	**North**		

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?		No	
6. Conditioned floor area (ft²)		2837 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	473.5 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 287.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 1585.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 490.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3013.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 230.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 60.0 kBtu/hr	
	SEER: 11.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 60.0 kBtu/hr	
	HSPF: 7.30	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons	
	EF: 0.91	
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: 0.17

Total as-built points: 38327
Total base points: 38499

PASS

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

PREPARED BY: Evan Beamsley

DATE: 8/12/05

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **360 SE Red Cason Dr, LuLu, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2837.0	20.04	10233.6	Double, Clear	N	1.5	9.0	36.0	19.20	0.98	674.4	
				Double, Clear	N	1.5	2.0	8.0	19.20	0.76	116.2	
				Double, Clear	NE	14.0	10.0	40.0	29.56	0.52	617.6	
				Double, Clear	N	11.5	10.0	40.0	19.20	0.69	527.9	
				Double, Clear	W	99.0	8.0	15.0	38.52	0.37	216.5	
				Double, Clear	NW	10.0	8.0	37.5	25.97	0.60	583.7	
				Double, Clear	W	11.5	10.0	40.0	38.52	0.49	761.9	
				Double, Clear	E	1.5	8.0	60.0	42.06	0.96	2416.6	
				Double, Clear	E	1.5	2.0	16.0	42.06	0.59	399.1	
				Double, Clear	E	1.5	3.0	8.0	42.06	0.73	244.1	
				Double, Clear	S	1.5	10.0	72.0	35.87	0.96	2479.5	
				Double, Clear	S	1.5	3.0	16.0	35.87	0.66	378.6	
				Double, Clear	S	10.2	12.0	14.0	35.87	0.54	272.4	
				Double, Clear	S	1.5	8.0	17.0	35.87	0.92	563.0	
				Double, Clear	W	1.5	8.0	10.0	38.52	0.96	369.1	
				Double, Clear	W	1.5	9.0	36.0	38.52	0.97	1345.7	
				Double, Clear	W	1.5	2.0	8.0	38.52	0.60	185.7	
				As-Built Total:				**473.5**			**12151.9**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	490.0	0.70	343.0	Face Brick, Wood, Exterior	13.0	1585.0	0.35	554.8
Exterior	1585.0	1.70	2694.5	Frame, Wood, Adjacent	13.0	490.0	0.60	294.0
Base Total:	**2075.0**		**3037.5**	**As-Built Total:**		**2075.0**		**848.8**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	Exterior Insulated	120.0	4.10	492.0
Exterior	140.0	6.10	854.0	Adjacent Insulated	20.0	1.60	32.0
				Exterior Insulated	20.0	4.10	82.0
Base Total:	**160.0**		**902.0**	**As-Built Total:**	**160.0**		**606.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2837.0	1.73	4908.0	Under Attic	30.0	3013.0	1.73 X 1.00	5212.5
Base Total:	**2837.0**		**4908.0**	**As-Built Total:**		**3013.0**		**5212.5**

SUMMER CALCULATIONS

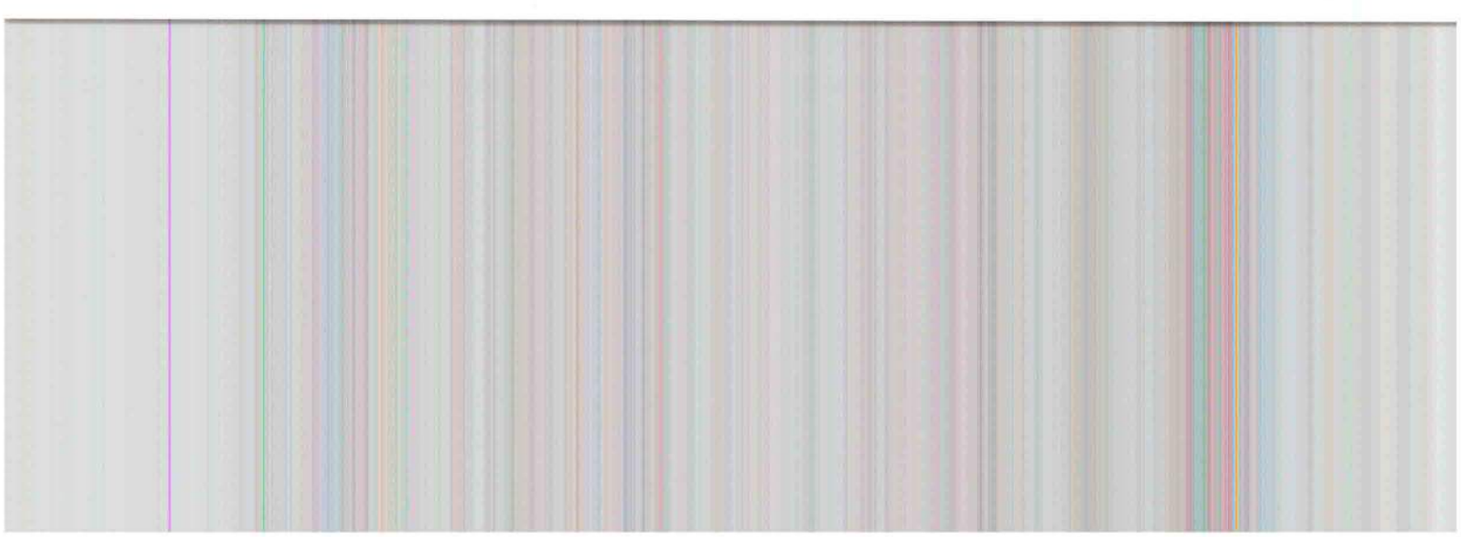
Residential Whole Building Performance Method A - Details

ADDRESS: **360 SE Red Cason Dr, LuLu, FL,** PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BSPM	=	Points	Type	R-Value	Area X	SPM	=	Points
Slab	287.0(p)	-37.0		-10619.0	Slab-On-Grade Edge Insulation	0.0	287.0(p	-41.20		-11824.4
Raised	0.0	0.00		0.0						
Base Total:				**-10619.0**	**As-Built Total:**		**287.0**			**-11824.4**
INFILTRATION	Area X	BSPM	=	Points			Area X	SPM	=	Points
	2837.0	10.21		28965.8			2837.0	10.21		28965.8
Summer Base Points:				**37427.9**	**Summer As-Built Points:**					**35960.5**

Total Summer Points	X	System Multiplier	=	Cooling Points
37427.9		**0.4266**		**15966.7**

Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
35960.5		1.000		(1.090 x 1.147 x 1.00)		0.310		1.000		13949.5
35960.5		**1.00**		**1.250**		**0.310**		**1.000**		**13949.5**



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **360 SE Red Cason Dr, LuLu, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2837.0	12.74	6505.8	Double, Clear	N	1.5	9.0	36.0	24.58	1.00	885.2	
				Double, Clear	N	1.5	2.0	8.0	24.58	1.01	199.5	
				Double, Clear	NE	14.0	10.0	40.0	23.57	1.05	991.3	
				Double, Clear	N	11.5	10.0	40.0	24.58	1.02	1002.9	
				Double, Clear	W	99.0	8.0	15.0	20.73	1.24	384.8	
				Double, Clear	NW	10.0	8.0	37.5	24.30	1.03	936.8	
				Double, Clear	W	11.5	10.0	40.0	20.73	1.18	981.0	
				Double, Clear	E	1.5	8.0	60.0	18.79	1.02	1150.0	
				Double, Clear	E	1.5	2.0	16.0	18.79	1.21	364.2	
				Double, Clear	E	1.5	3.0	8.0	18.79	1.12	168.4	
				Double, Clear	S	1.5	10.0	72.0	13.30	1.01	969.5	
				Double, Clear	S	1.5	3.0	16.0	13.30	1.64	348.8	
				Double, Clear	S	10.2	12.0	14.0	13.30	2.48	462.2	
				Double, Clear	S	1.5	8.0	17.0	13.30	1.04	235.3	
				Double, Clear	W	1.5	8.0	10.0	20.73	1.01	209.6	
				Double, Clear	W	1.5	9.0	36.0	20.73	1.01	752.1	
				Double, Clear	W	1.5	2.0	8.0	20.73	1.13	188.2	
				As-Built Total:				**473.5**			**10229.7**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	490.0	3.60	1764.0	Face Brick, Wood, Exterior	13.0	1585.0	3.17	5032.4
Exterior	1585.0	3.70	5864.5	Frame, Wood, Adjacent	13.0	490.0	3.30	1617.0
Base Total:	**2075.0**		**7628.5**	**As-Built Total:**		**2075.0**		**6649.4**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	11.50	230.0	Exterior Insulated	120.0	8.40	1008.0
Exterior	140.0	12.30	1722.0	Adjacent Insulated	20.0	8.00	160.0
				Exterior Insulated	20.0	8.40	168.0
Base Total:	**160.0**		**1952.0**	**As-Built Total:**	**160.0**		**1336.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	2837.0	2.05	5815.9	Under Attic	30.0	3013.0	2.05 X 1.00	6176.6
Base Total:	**2837.0**		**5815.9**	**As-Built Total:**		**3013.0**		**6176.6**

WINTER CALCULATIONS

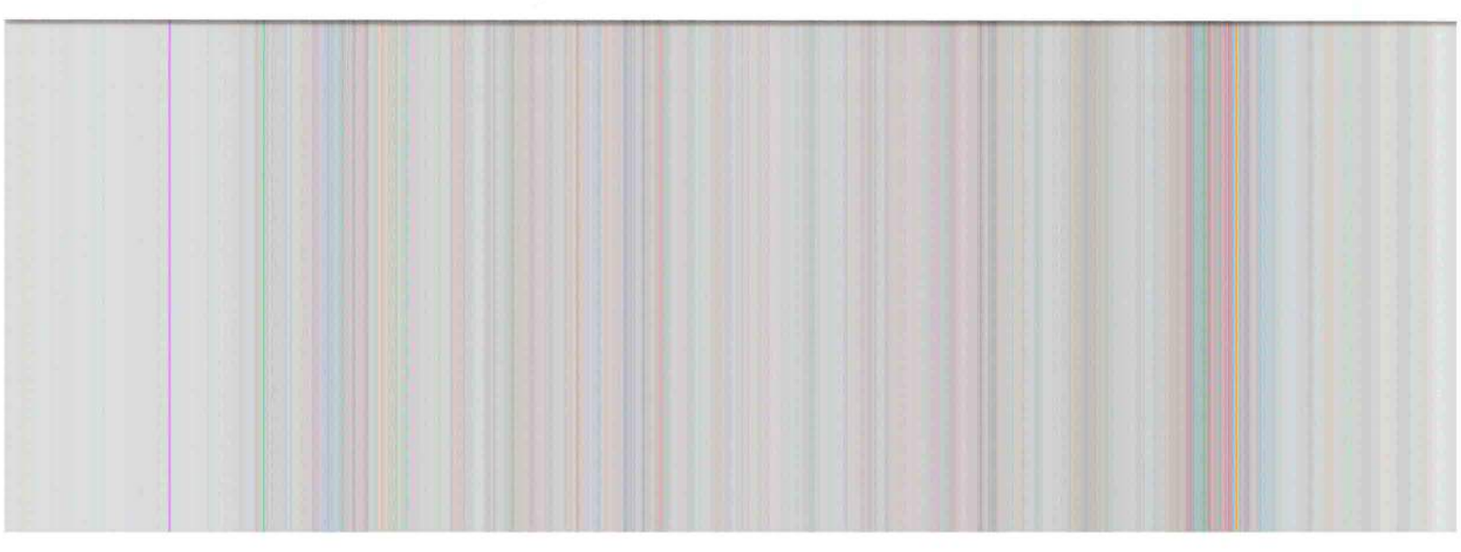
Residential Whole Building Performance Method A - Details

ADDRESS: **360 SE Red Cason Dr, LuLu, FL,** PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BWPM	=	Points	Type	R-Value	Area X	WPM	=	Points
Slab	287.0(p)	8.9		2554.3	Slab-On-Grade Edge Insulation	0.0	287.0(p	18.80		5395.6
Raised	0.0	0.00		0.0						
Base Total:				**2554.3**	**As-Built Total:**		**287.0**			**5395.6**
INFILTRATION	Area X	BWPM	=	Points			Area X	WPM	=	Points
	2837.0	-0.59		-1673.8			2837.0	-0.59		-1673.8
Winter Base Points:				**22782.6**	**Winter As-Built Points:**					**28113.5**

Total Winter Points	X	System Multiplier	=	Heating Points
22782.6		**0.6274**		**14293.8**

Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Heating Points
28113.5		1.000		(1.069 x 1.169 x 1.00)		0.467		1.000		16411.1
28113.5		**1.00**		**1.250**		**0.467**		**1.000**		**16411.1**



WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **360 SE Red Cason Dr, LuLu, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	40.0	0.91	3	1.00	2655.47	1.00	7966.4	
				As-Built Total:						**7966.4**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
15967	**14294**	**8238**	**38499**	**13950**	**16411**	**7966**	**38327**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

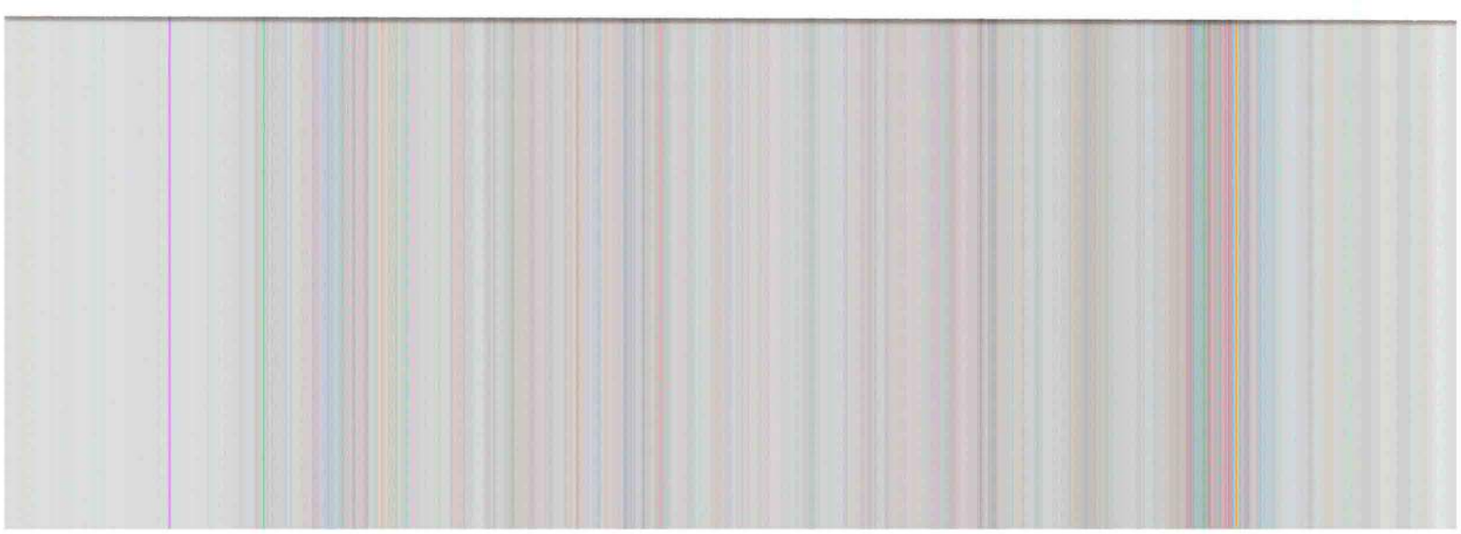
ADDRESS: **360 SE Red Cason Dr, LuLu, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. 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* = 82.6

The higher the score, the more efficient the home.

Lonnie & Terri Bucchi, 360 SE Red Cason Dr, LuLu, FL,

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?		No	
6. Conditioned floor area (ft²)		2837 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	473.5 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 287.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 1585.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 490.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3013.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 230.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 60.0 kBtu/hr	
	SEER: 11.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 60.0 kBtu/hr	
	HSPF: 7.30	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons	
	EF: 0.91	
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)		

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.*

EnergyGauge® (Version: FLR2PB v3.4)

Residential System Sizing Calculation

Summary

Lonnie & Terri Bucchi
360 SE Red Cason Dr
LuLu, FL

Project Title:
Bucchi

Class 3 Rating
Registration No. 0
Climate: North

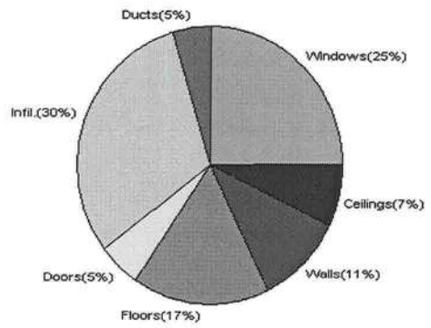
8/12/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**53653**	**Btuh**	**Total cooling load calculation**	**53742**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	111.8	60000	Sensible (SHR = 0.75)	110.1	45000
Heat Pump + Auxiliary(0.0kW)	111.8	60000	Latent	116.4	15000
			Total (Electric Heat Pump)	111.6	60000

WINTER CALCULATIONS

Winter Heating Load (for 2837 sqft)

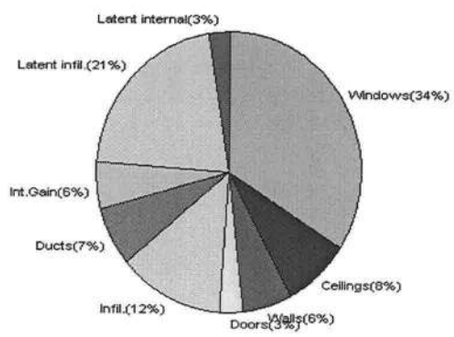
Load component			Load	
Window total	474	sqft	13400	Btuh
Wall total	2075	sqft	5698	Btuh
Door total	160	sqft	2754	Btuh
Ceiling total	3013	sqft	3917	Btuh
Floor total	287	ft	9069	Btuh
Infiltration	379	cfm	16260	Btuh
Subtotal			**51098**	**Btuh**
Duct loss			2555	Btuh
TOTAL HEAT LOSS			**53653**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2837 sqft)

Load component			Load	
Window total	474	sqft	18411	Btuh
Wall total	2075	sqft	3268	Btuh
Door total	160	sqft	1622	Btuh
Ceiling total	3013	sqft	4278	Btuh
Floor total			0	Btuh
Infiltration	332	cfm	6567	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**37146**	**Btuh**
Duct gain			3715	Btuh
Total sensible gain			**40860**	**Btuh**
Latent gain(infiltration)			11501	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**12881**	**Btuh**
TOTAL HEAT GAIN			**53742**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY:
DATE: 8/12/05

System Sizing Calculations - Winter

Residential Load - Component Details

Lonnie & Terri Bucchi
360 SE Red Cason Dr
LuLu, FL

Project Title:
Bucchi

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

8/12/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
2	2, Clear, Metal, DEF	N	8.0	28.3	226 Btuh
3	2, Clear, Metal, DEF	NE	40.0	28.3	1132 Btuh
4	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
5	2, Clear, Metal, DEF	W	15.0	28.3	424 Btuh
6	2, Clear, Metal, DEF	NW	37.5	28.3	1061 Btuh
7	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
8	2, Clear, Metal, DEF	E	60.0	28.3	1698 Btuh
9	2, Clear, Metal, DEF	E	16.0	28.3	453 Btuh
10	2, Clear, Metal, DEF	E	8.0	28.3	226 Btuh
11	2, Clear, Metal, DEF	S	72.0	28.3	2038 Btuh
12	2, Clear, Metal, DEF	S	16.0	28.3	453 Btuh
13	2, Clear, Metal, DEF	S	14.0	28.3	396 Btuh
14	2, Clear, Metal, DEF	S	17.0	28.3	481 Btuh
15	2, Clear, Metal, DEF	W	10.0	28.3	283 Btuh
16	2, Clear, Metal, DEF	W	36.0	28.3	1019 Btuh
17	2, Clear, Metal, DEF	W	8.0	28.3	226 Btuh
	Window Total		474		13400 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1585	3.1	4914 Btuh
2	Frame - Adjacent	13.0	490	1.6	784 Btuh
	Wall Total		2075		5698 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		120	18.3	2200 Btuh
2	Insulated - Adjac		20	9.4	188 Btuh
3	Insulated - Exter		20	18.3	367 Btuh
	Door Total		160		2754Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3013	1.3	3917 Btuh
	Ceiling Total		3013		3917Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	287.0 ft(p)	31.6	9069 Btuh
	Floor Total		287		9069 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	28370(sqft)	379	16260 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			379	16260 Btuh

Totals for Heating	**Subtotal**	**51098 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**2555 Btuh**
	EnergyGauge® FLR2PB v3.4	
	Total Btuh Loss	**53653 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Lonnie & Terri Bucchi
360 SE Red Cason Dr
LuLu, FL

Project Title:
Bucchi

Class 3 Rating
Registration No. 0
Climate: North

8/12/2005

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Lonnie & Terri Bucchi
360 SE Red Cason Dr
LuLu, FL

Project Title:
Bucchi

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 8/12/2005

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	9	36.0	0.0	36.0	22	22	792	Btuh
2	2, Clear, DEF, N, N	N	1.5	2	8.0	0.0	8.0	22	22	176	Btuh
3	2, Clear, DEF, N, N	NE	14	10	40.0	0.0	40.0	22	50	2000	Btuh
4	2, Clear, DEF, N, N	N	11.5	10	40.0	0.0	40.0	22	22	880	Btuh
5	2, Clear, DEF, N, N	W	99	8	15.0	15.0	0.0	22	72	330	Btuh
6	2, Clear, DEF, N, N	NW	10	8	37.5	0.0	37.5	22	50	1875	Btuh
7	2, Clear, DEF, N, N	W	11.5	10	40.0	37.1	2.9	22	72	1024	Btuh
8	2, Clear, DEF, N, N	E	1.5	8	60.0	7.7	52.3	22	72	3936	Btuh
9	2, Clear, DEF, N, N	E	1.5	2	16.0	10.0	6.0	22	72	654	Btuh
10	2, Clear, DEF, N, N	E	1.5	3	8.0	3.0	5.0	22	72	424	Btuh
11	2, Clear, DEF, N, N	S	1.5	10	72.0	67.8	4.2	22	37	1646	Btuh
12	2, Clear, DEF, N, N	S	1.5	3	16.0	16.0	0.0	22	37	352	Btuh
13	2, Clear, DEF, N, N	S	10.1	12	14.0	14.0	0.0	22	37	308	Btuh
14	2, Clear, DEF, N, N	S	1.5	8	17.0	17.0	0.0	22	37	374	Btuh
15	2, Clear, DEF, N, N	W	1.5	8	10.0	0.0	10.0	22	72	720	Btuh
16	2, Clear, DEF, N, N	W	1.5	9	36.0	0.0	36.0	22	72	2592	Btuh
17	2, Clear, DEF, N, N	W	1.5	2	8.0	5.0	3.0	22	72	327	Btuh
	Window Total				474					18411	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1585.0	1.7	2758	Btuh
2	Frame - Adjacent	13.0	490.0	1.0	510	Btuh
	Wall Total		2075.0		3268	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	120.0	10.1	1217	Btuh
2	Insulated - Adjac	20.0	10.1	203	Btuh
3	Insulated - Exter	20.0	10.1	203	Btuh
	Door Total	160.0		1622	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	3013.0	1.4	4278	Btuh
	Ceiling Total		3013.0		4278	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	287.0 ft(p)	0.0	0	Btuh
	Floor Total		287.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.70	28370	331.6	6567	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			332	6567	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		6	X	300	+	1200	3000	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Lonnie & Terri Bucchi
360 SE Red Cason Dr
LuLu, FL

Project Title:
Bucchi

Class 3 Rating
Registration No. 0
Climate: North

8/12/2005

Totals for Cooling	**Subtotal**	**37146**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**3715**	**Btuh**
	Total sensible gain	**40860**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**11501**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**53742**	**Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)


ROAD
ZONE X
ZONE A
ZONE X
ZONE A
LINE
22
ZONE X
23
24
COUNTY
RAILWAY
ZONE A
ZONE X
ZONE X
ZONE X
ZONE A
25
100
27
26
ZONE A
CROFT
ZONE A
241
ZONE X
36
ZONE A
ZONE A
34
35
ZONE X
ZONE X
CREEK
ZONE A
T4S
T5S
COUNTY BOUNDARY
OLUSTEE 2
3

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 Dense

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 83 PLF at 0.00 to 83 PLF at 38.17
BC - From 92 PLF at 0.00 to 92 PLF at 38.17
BC - 1462 LB Conc. Load at 20.52

End verticals not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 6-0-7.

"B28HG"
ASCE 7-02

2 Complete Trusses Required

23521

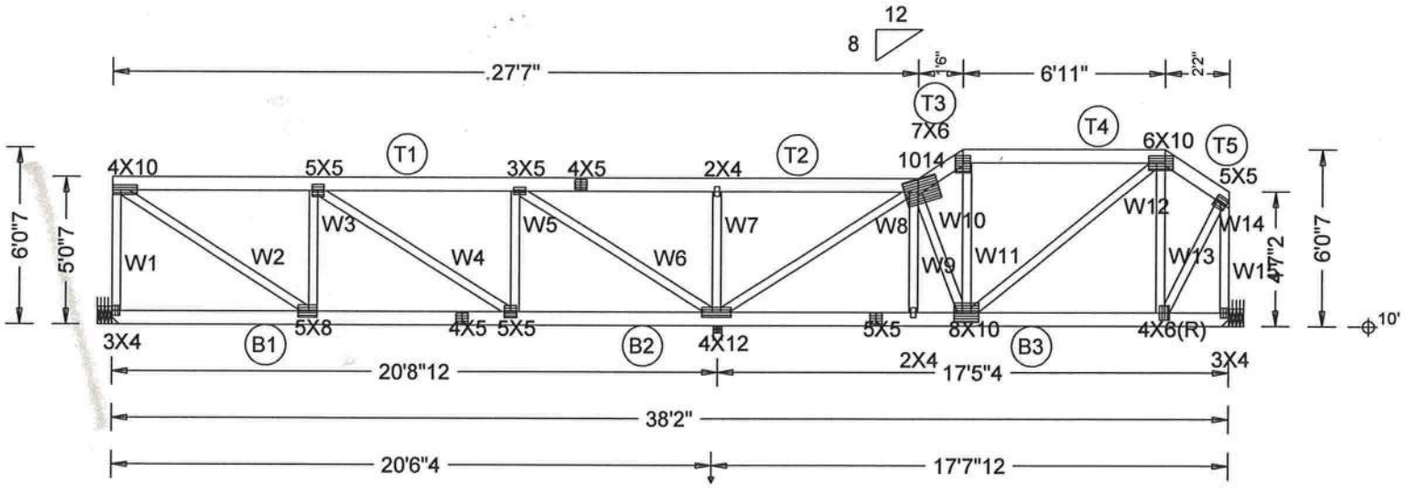
Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Negative reaction(s) of -274# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.32 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Plates sized for a minimum of 3.00 sq.in./piece.



Rv=1530# U=283# H=Simpson HGUS26-2
w/(6) 16d, 0.162"x2.5" nails in Truss
w/(20) 16d, 0.162"x2.5" nails in Girder
Girder is (4) 1.50x 7.25 SP SolidSawn

Rv=5393# U=998# W=3"8

Rv=1186# U=226# H=Simpson LUS26-2
w/(3) 16d, 0.162"x2.5" nails in Truss
w/(4) 16d, 0.162"x2.5" nails in Girder
Girder is (4) 1.50x 7.25 SP SolidSawn

DESC. = B28HG (2-PLY)
PLT. TYP.-WAVE/R

FBC/TPI2002(STD) Cq/RT=1.00(1.25)/10(0)

QTY= 1 PLIES= 2 TOTAL= 2

REV. 7.22.1122.01

SEQ = 103848
SCALE =0.1667

WB HOWLAND

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.
IMPORTANT COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

TC LL	20.0psf
TC DL	10.0psf
BC DL	10.0psf
BC LL	0.0psf
TOT.LD.	40.0psf
DUR.FAC.	1.25
SPACING	24.0"

REF	
DATE	01-23-2006
DRWG	
	CDM
O/A LEN.	380200
TYPE	SPEC

Top chord 2x4 SP #2 Dense :T2 2x6 SP SS:
:T3, T4 2x6 SP #2 N:
Bot chord 2x8 SP SS
Webs 2x4 SP #2 Dense :W10, W11 2x6 SP #2 N:
:Lt Wedge 2x6 SP #2 N::Rt Wedge 2x6 SP #2 N:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.67 to 64 PLF at 3.83
TC - From 64 PLF at 3.83 to 64 PLF at 26.17
TC - From 64 PLF at 26.17 to 64 PLF at 33.67
BC - From 5 PLF at -1.67 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 32.00
BC - From 5 PLF at 32.00 to 5 PLF at 33.67
BC - 1612 LB Conc. Load at 1.44
BC - 1608 LB Conc. Load at 3.44
BC - 1606 LB Conc. Load at 5.44, 7.44, 9.44, 11.44, 13.44
BC - 1600 LB Conc. Load at 15.44
BC - 1604 LB Conc. Load at 17.44, 19.44, 21.44
BC - 1186 LB Conc. Load at 23.37
BC - 734 LB Conc. Load at 24.94
BC - 742 LB Conc. Load at 26.94
BC - 724 LB Conc. Load at 28.94

"F3G"
ASCE 7-02

Bearing blocks: Nail type: 0.131"x3"_Gun_nails

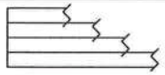
BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
2	9.000'	1	17"	27	SP Standard

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

4 Complete Trusses Required

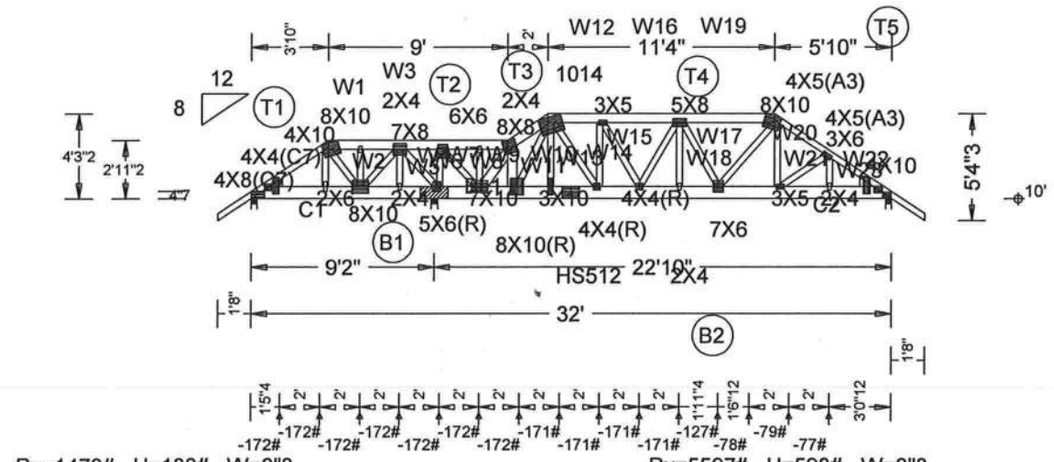


Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
In addition apply (1) 1/2" bolt at each bottom chord joint location.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4-3-2.



LEFT RAKE = 2'0"1

RIGHT RAKE = 2'0"1

DESC. = F3G (4-PLY)
PLT. TYP.-WAVE/R

FBC/TPI2002(STD) Cq/RT=1.00(1.25)/10(0)

QTY= 1 PLIES= 4 TOTAL= 4

REV. 7.22.1122.01

SEQ = 103867
SCALE =0.1137

WB HOWLAND

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IMPORTANT COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

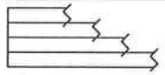
TC LL	20.0psf	REF	
TC DL	10.0psf	DATE	01-23-2006
BC DL	10.0psf	DRWG	
BC LL	0.0psf		CDM
TOT.LD.	40.0psf	O/A LEN.	32
DUR.FAC.	1.25		
SPACING	24.0"	TYPE	SPEC

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #2 Dense
:Rt Wedge 2x6 SP #2 N:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 45.08
BC - From 20 PLF at 0.00 to 20 PLF at 45.08
BC - 1596 LB Conc. Load at 12.02, 14.02, 16.00
BC - 1600 LB Conc. Load at 18.02, 24.02
BC - 1602 LB Conc. Load at 20.02, 22.02, 26.02, 28.02
BC - 1582 LB Conc. Load at 30.02
BC - 1604 LB Conc. Load at 32.02, 34.02, 36.02
BC - 1530 LB Conc. Load at 37.96

"A5G"
ASCE 7-02

4 Complete Trusses Required



Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
In addition apply (1) 1/2" bolt at each bottom chord joint location.

Bearing blocks: Nail type: 0.131"x3"_Gun_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
2	10.000'	1	15"	23	Match Truss

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

Negative reaction(s) of -650# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.09 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

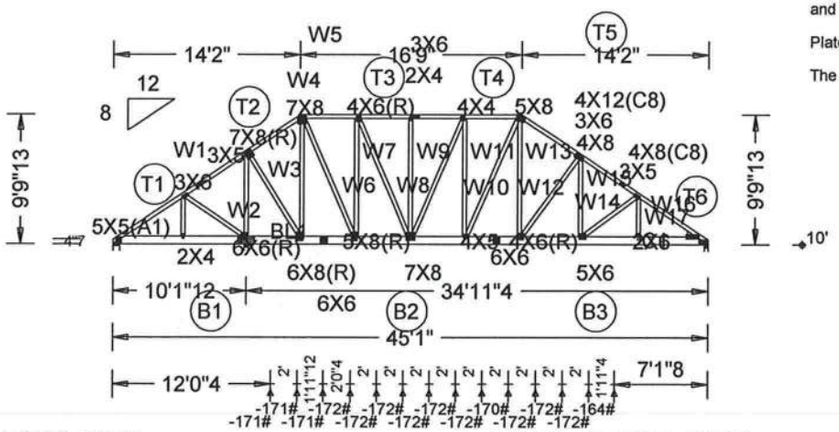
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 9-9-13.



Rv=-650# U=180# W=6"
Rv=16012# U=1721# W=3"8
Rv=10747# U=1155# W=3"8

DESC. = A5G-- (4-PLY)
PLT. TYP.-WAVE/R

FBC/TPI2002(STD) Cq/RT=1.00(1.25)/10(0)

QTY= 1 PLIES= 4 TOTAL= 4

REV. 7.22.1122.01

SEQ = 103875
SCALE =0.0752

WB HOWLAND

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TC LL	20.0psf	REF	
TC DL	10.0psf	DATE	01-23-2006
BC DL	10.0psf	DRWG	
BC LL	0.0psf		CDM
TOT.LD.	40.0psf	O/A LEN.	450100
DUR.FAC.	1.25		
SPACING	24.0"	TYPE	HIPS