

DATE 04/25/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025750

APPLICANT KIMMY EDGLEY

PHONE 752.4904

ADDRESS 590 SW ARLINGTON BLVD, STE 105

LAKE CITY

FL 32025

OWNER DOUGLAS & KIMMY EDGLEY

PHONE 752.0580

ADDRESS 447 SW EVA TERRACE

LAKE CITY

FL 32024

CONTRACTOR DOUG EDGLEY

PHONE 752.0580

LOCATION OF PROPERTY SR-247-S TO C-242, TL GO TO EVA TERRACE, TR AND IT'S THE
3RD PROPERTY ON R.

TYPE DEVELOPMENT WORKSHOP

ESTIMATED COST OF CONSTRUCTION

72000.00

HEATED FLOOR AREA

TOTAL AREA 3403.00

HEIGHT 26.60

STORIES 1

FOUNDATION CONCRETE

WALLS FRAMED

ROOF PITCH 6/12

FLOOR SLAB

LAND USE & ZONING AG-3

MAX. HEIGHT

35

Minimum Set Back Requirments: STREET-FRONT

30.00

REAR

25.00

SIDE

25.00

NO. EX.D.U.

1

FLOOD ZONE

X

DEVELOPMENT PERMIT NO.

PARCEL ID 28-4S-16-03234-006

SUBDIVISION

LOT

BLOCK

PHASE

UNIT 0

TOTAL ACRES 10.00

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

PRIVATE

07-292

LH

JH

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: FLOOR HEIGHT LETTER ON FILE, NOC ON FILE

Check # or Cash 2557

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

date/app. by

Pool

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$ 360.00

CERTIFICATION FEE \$ 17.02

SURCHARGE FEE \$ 17.02

MISC. FEES \$ 0.00

ZONING CERT. FEE \$

FIRE FEE \$ 0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$

CULVERT FEE \$

TOTAL FEE 394.04

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 INCONVENIENCE. 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.

DATE 0

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000023449

APPLICANT	KIMMY EDGLEY		PHONE	752.4904	
ADDRESS	590	SW ARLINGTON BLVD, STE 105	LAKE CITY	FL	32025
OWNER	DOUGLAS & KIMMY EDGLEY		PHONE	752.0580	
ADDRESS	447	SW EVA TERRACE	LAKE CITY	FL	32024
CONTRACTOR	DOUG EDGLEY		PHONE	752.0580	
LOCATION OF PROPERTY	SR-247-S TO C-242,TL GO TO EVA TERRACE,TR AND IT'S THE 3RD PROPERTY ON R.				
TYPE DEVELOPMENT	SFD/UTILITY		ESTIMATED COST OF CONSTRUCTION	167850.00	
HEATED FLOOR AREA	3357.00	TOTAL AREA	5037.00	HEIGHT	21.80
FOUNDATION	CONC	WALLS	FRAMED	ROOF PITCH	7/12
LAND USE & ZONING	A-3		MAX. HEIGHT	35	
Minimum Set Back Requirments:	STREET-FRONT		30.00	REAR	25.00
				SIDE	25.00
NO. EX.D.U.	0	FLOOD ZONE	X	DEVELOPMENT PERMIT NO.	
PARCEL ID	28-4S-16-03234-006		SUBDIVISION		
LOT	BLOCK	PHASE	UNIT	0	TOTAL ACRES
					10.37

		RR28281136		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
PRIVATE	05-0781-N	BLK	N	
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
COMMENTS:	1 FOOT ABOVE ROAD			
NOC ON FILE.				

Check # or Cash 1102

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power	Foundation	RJ	Monolithic	
date/app. by	date/app. by	date/app. by	date/app. by	
Under slab rough-in plumbing	RJ	Slab	RJ	Sheathing/Nailing 11/14/2005 RJ
date/app. by	date/app. by	date/app. by	date/app. by	date/app. by
Framing 12/20/2005 RJ	Rough-in plumbing above slab and below wood floor		12/20/2005 RJ	
date/app. by			date/app. by	
Electrical rough-in 12/20/2005 RJ	Heat & Air Duct 12/20/2005 RJ	Peri. beam (Lintel)		
date/app. by	date/app. by	date/app. by		
Permanent power 02/06/2006 RTJ	C.O. Final 03/07/2006 HD	Culvert		
date/app. by	date/app. by	date/app. by		
M/H tie downs, blocking, electricity and plumbing		Pool		
	date/app. by	date/app. by		
Reconnection	Pump pole	Utility Pole		
date/app. by	date/app. by	date/app. by		
M/H Pole	Travel Trailer	Re-roof 12/02/2005 HD		
date/app. by	date/app. by	date/app. by		

BUILDING PERMIT FEE \$	840.00	CERTIFICATION FEE \$	25.19	SURCHARGE FEE \$	25.19
MISC. FEES \$	0.00	ZONING CERT. FEE \$	50.00	FIRE FEE \$	57.82
				WASTE FEE \$	85.75
FLOOD DEVELOPMENT FEE \$	0.00	FLOOD ZONE FEE \$	0.00	CULVERT FEE \$	
				TOTAL FEE	1083.95
INSPECTORS OFFICE			CLERKS OFFICE		

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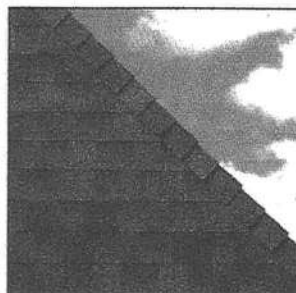


ELK

ROOFING PRODUCTS SPECIFICATIONS ~ TUSCALOOSA, AL



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size _____ 13 1/4" x 39 1/2"
Exposure _____ 5 1/2"
Pieces/Bundle _____ 16
Bundles/Square _____ 4/98.5 sq.ft.
Squares/Pallet _____ 11

50-year limited warranty period:
5-7**years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph, extended
110 mph***

Raised Profile

Product size _____ 13 1/4" x 38 1/2"
Exposure _____ 5 1/2"
Pieces/Bundle _____ 22
Bundles/Square _____ 3/100 sq.ft.
Squares/Pallet _____ 16

30-year limited warranty period:
5-7**years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 70 mph.

Prestique I *High Definition*

Product size _____ 13 1/4" x 39 1/2"
Exposure _____ 5 1/2"
Pieces/Bundle _____ 16
Bundles/Square _____ 4/98.5 sq.ft.
Squares/Pallet _____ 14

40-year limited warranty period:
5-7**years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph, extended
90 mph***

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 6 1/2"
Pieces/Bundle: 45
Coverage: 4 Bundles =
100 linear feet

Vented RidgeCrest™ w/FLX™

Size: 13" x 13 1/4"
Exposure: 9 1/4"
Pieces/Box: 26
Coverage: 5 boxes =
100 linear feet

Prestique *High Definition*

Product size _____ 13 1/4" x 38 1/2"
Exposure _____ 5 1/2"
Pieces/Bundle _____ 22
Bundles/Square _____ 3/100 sq.ft.
Squares/Pallet _____ 16

30-year limited warranty period:
5-7**years non-prorated coverage for
shingles and application labor with
prorated coverage for remainder of
limited warranty period, plus an
option for transferability*. 5-year
limited wind warranty*. Wind
Coverage: standard 80 mph.

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood.
Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790);
and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.

** Effective January 1, 2004, the seven year non-prorated Umbrella Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for such products. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MO, KS, CO, UT, NV, & OR.

***For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Materials: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For Low slopes [4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)], use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

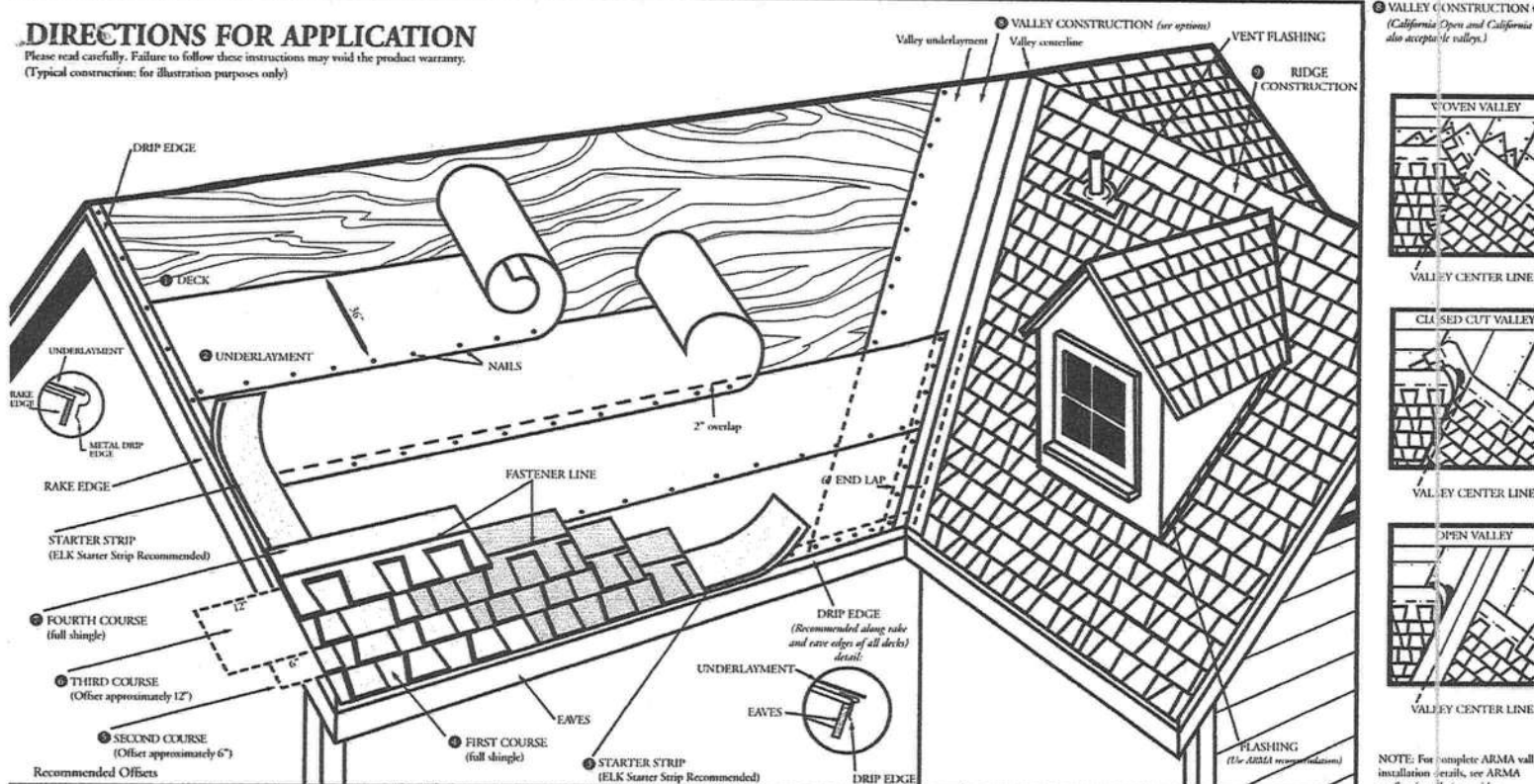
PLANT LOCATION:
800.945.5545

ELK
The Premium Choice®
www.elkcorp.com

SSCOT 06/04

DIRECTIONS FOR APPLICATION

Please read carefully. Failure to follow these instructions may void the product warranty.
(Typical construction; for illustration purposes only)



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

1 DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

2 UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Elk Versashield® or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

3 STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

4 FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof

5 SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

6 THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

7 FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

8 VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

9 RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z-Ridge or Seal-A-Ridge® with formula FLX™ or RidgeCrest™ with FLX (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for re-roofs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

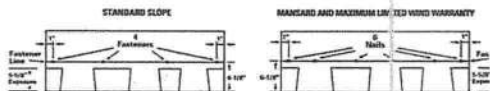
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBL THICKNESS (laminated) area of the shingle. Nails or staple must be placed along – and through – the "fastener line" or o products without fastener lines, nail or staple between and i line with sealant dots. CAUTION: Do not use fastener line fo shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified. All Prestique and Raised Profile shingles have a U.L.® Win Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage o handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.



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Columbia County Building Permit Application

Revised 9-23-0

For Office Use Only Application # 0704-30 Date Received 4/13 By JW Permit # 25750
 Application Approved by - Zoning Official CH per SPD permit Date 4-25-07 Plans Examiner OK JTH Date 4-17-07
 Flood Zone X Development Permit _____ Zoning A-3 Land Use Plan Map Category A-3
 Comments _____
- EX. ATTACHES floor height better attached

Applicants Name KIMMY EDGLEY Phone 386-752-0580
 Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025
 Owners Name DOUGLAS & KIMMY EDGLEY Phone 386-752-7611
 911 Address 447 SW EVA TERRACE, LAKE CITY FL 32024
 Contractors Name EDGLEY CONSTRUCTION COMPANY Phone 386-752-0580
 Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address MARK DISOSWAY PE PO BOX 868 LAKE CITY FL 32056
 Mortgage Lenders Name & Address N/A
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 28-4S-16-03234-006 Estimated Cost of Construction \$72,000
 Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions HWY 90 W , TLOH COUNTY RD 247, TL ON COUNTY RD 242, TR ON SW EVA TERRACE, TO CORNER TL FIRST ON LEFT

Type of Construction WORKSHOP Number of Existing Dwellings on Property 1
 Total Acreage 10 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv
 Actual Distance of Structure from Property Lines - Front 136 Side 219'10" Side 379'4" Rear 488'54"
 Total Building Height 26'6" Number of Stories 1 Heated Floor Area N/A Roof Pitch 6/12
TOTAL 3,403

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.

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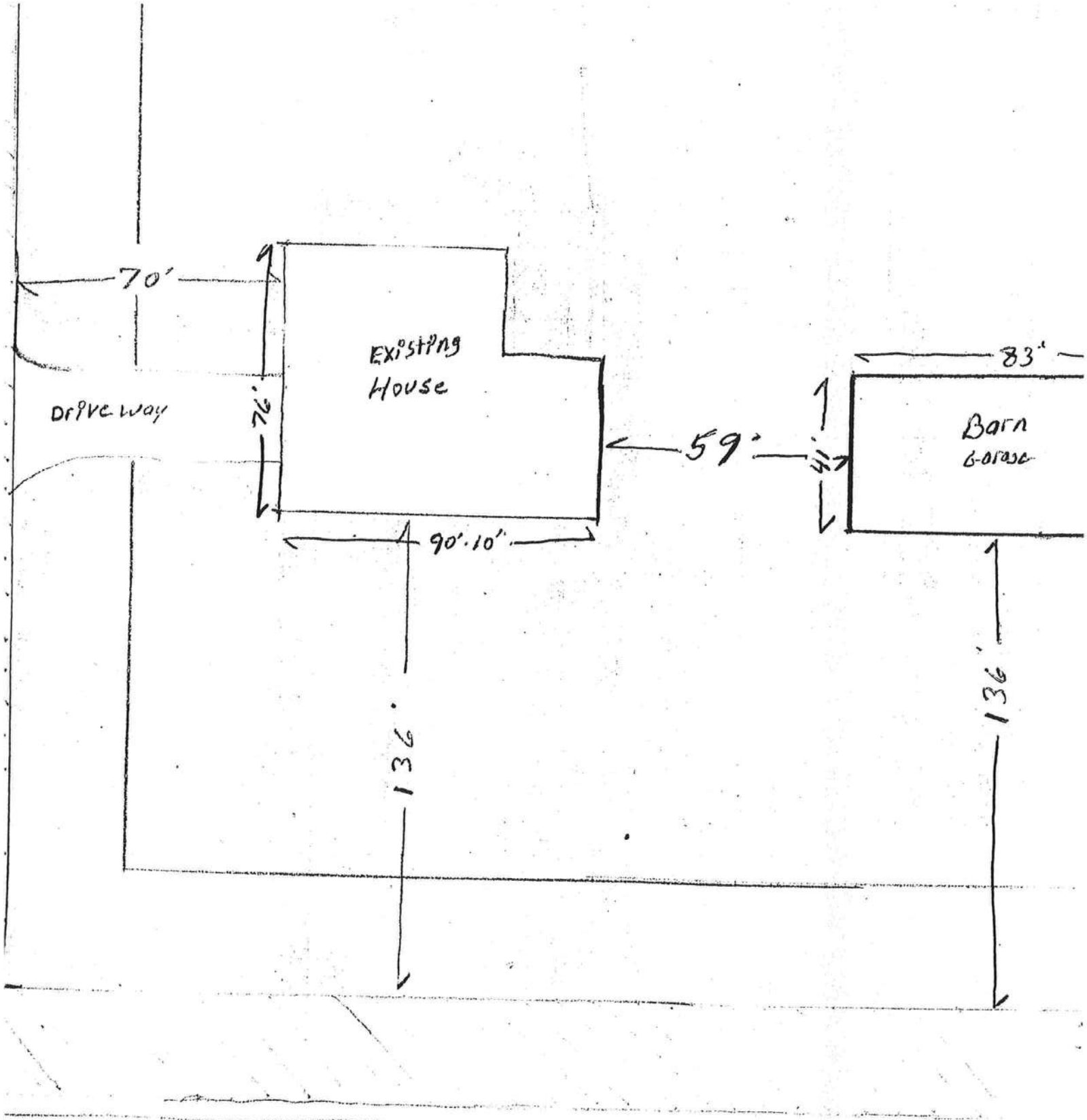
Kimmy Edgley
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 13th day of APRIL 2007.
 Personally known ✓ or Produced Identification _____

Don E. Clark
 Contractor Signature
 Contractors License Number RR282811326
 Competency Card Number 5472
 NOTARY STAMP/SEAL

Jan Clark
 Notary Signature
 JAN CLARK
 MY COMMISSION # DD 634946
 EXPIRES: March 28, 2011
 Bonded Thru Budget Notary Services



NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 28-4S-16-03234-006

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

NW 1/4 OF SW 1/4 OF NW 1/4 ORB 868-1222, WD 1031-1402, WD 1041-1482

447 SW EVA TERRACE, LAKE CITY FL 32024

Inst: 2007008850 Date: 04/19/2007 Time: 11:21

DC, P. DeWitt Cason, Columbia County B: 1116 P: 256

2. General description of improvement: WORKSHOP

3. Owner Name & Address DOUGLAS & KIMMY EDGLEY 590 SW ARLINGTON BLVD SUITE 113

LAKE CITY FL 32025

Interest in Property OWNER

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

5. Contractor Name EDGLEY CONSTRUCTION CO Phone Number 386-752-0580

Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025

6. Surety Holders Name N/A Phone Number _____

Address _____

Amount of Bond _____

7. Lender Name N/A Phone Number _____

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 DOUG & KIMMY EDGLEY Phone Number 386-752-0580

Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025

9. In addition to himself/herself the owner designates NONE of _____

to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

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

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Kimmy Edgley
Signature of Owner



JAN CLARK
MY COMMISSION # DD 634946
EXPIRES: March 28, 2011
Bonded Thru Budget Notary Services

Sworn to (or affirmed) and subscribed before
13th day of APRIL, 2007

NOTARY STAMP/SEAL

Jan Clark

Rec. 18.50
Doc. 560.00

THIS INSTRUMENT WAS PREPARED BY:

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

RETURN TO:

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

File No. 95-207

Property Appraiser's
Parcel Identification No.
28-4S-16-03234-006

Inst:2005006932 Date:03/24/2005 Time:14:54

Doc Stamp-Deed : 560.00

DC, P. DeWitt Cason, Columbia County B:1041 P:1482

WARRANTY DEED

THIS INDENTURE, made this 24th day of March 2005, BETWEEN RALPH NORRIS and his wife, CAROLYN E. NORRIS, whose post office address is 3904 SW CR 242, Lake City, Florida 32024, of the County of Columbia, State of Florida, grantor*, and DOUGLAS E. EDGLEY and his wife, KIMMY L. EDGLEY, whose post office address is 191 SW Covey Court, Lake City, Florida 32025, of the County of Columbia, State of Florida, grantee*.

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

TOWNSHIP 4 SOUTH - RANGE 16 EAST

SECTION 28: The NW 1/4 of the SW 1/4 of the NW 1/4. COLUMBIA COUNTY, FLORIDA.

N.B.: Grantor reserves a non-exclusive, perpetual easement for ingress and egress over and across the South 30.00 feet and the West 60.00 feet of the parcel conveyed.

TOGETHER WITH a non-exclusive, perpetual easement for ingress, egress and utilities over and across the following parcel:

TOWNSHIP 4 SOUTH - RANGE 16 EAST

SECTION 28: The West 60 feet of the NW 1/4 of the NW 1/4; West 60 feet and South 30 feet of the NW 1/4 of the SW 1/4 of the NW 1/4; and North 30 feet of the SW 1/4 of the SW 1/4 of the NW 1/4.

N.B.: For the period of time ending 20 years from the date hereof, the above-described property shall be used for residential purposes only. No mobile homes may be located thereon. Any home built on the property shall have not less than 1,650 square feet of living area. No chickens, goats, swine or any commercial livestock operation may be kept on the property.

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

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

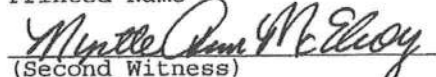
*"Grantor" and "grantee" are used for singular or plural, as context requires.

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

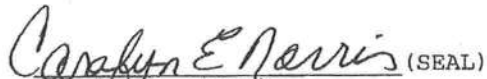
Signed, sealed and delivered
in our presence:


(First Witness)

Terry McDavid
Printed Name


(Second Witness)
Myrtle Ann McElroy
Printed Name


(SEAL)
Ralph Norris


(SEAL)
Carolyn E. Norris

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 24th day of March 2005, by RALPH NORRIS and his wife, CAROLYN E. NORRIS, who are personally known to me and who did not take an oath.


Notary Public
My Commission Expires: _____



ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

Site Plan Submitted By Sam Lopez Date 4/3/07
Plan Approved ✓ Not Approved _____ Date 4/11/07
By M. A. [Signature] Columbis CPHU

Notes: _____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXX~~ NORTH FIRST STREET
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

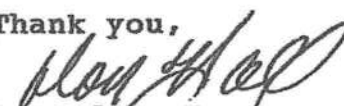
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk

Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

April 2, 2007

Building and Zoning, Columbia County, Florida

Re: Site Evaluation, Doug and Kimmie Edgley Residence Barn, 447 SW Eva Terrace, Columbia County, Florida, 28-4s-16-03234-006, Columbia County, FL

Dear Building Inspector:

I have reviewed the Flood Insurance Rate Map and NGS topographic map and performed a site evaluation for the Doug and Kimmie Edgley Residence Barn, 447 SW Eva Terrace, Columbia County, Florida, 28-4s-16-03234-006, Columbia County, FL. The natural grade elevation at the perimeter of the proposed barn site as shown on the permit is less than one foot above the nearby county road that it fronts on, SW Eva Terrace. The lot is in Zone X on the FEMA rate map, attached. The owner states that although his proposed barn site is less than 2 feet above the dirt road it is on a hill and is about 8' higher than his neighbor's house.

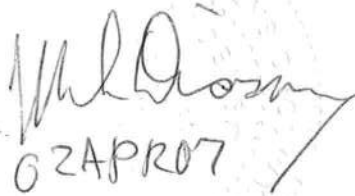
Based on my personal inspection of the site if the finished floor elevation is set at least 12" above natural grade it will be higher than the land to the north east and east of the lot and storm water will flow down to the Rose Creek.

Based on topo maps, FEMA data, and visual inspection the proposed finished floor elevation is at an adequate elevation to avoid flooding.

The finished floor elevation must be minimum 6" above finished grade per FBC2001. The finished grade should slope down from that elevation for another 6" within 12 feet away from the house and hanger in all directions so that all runoff drains away from the house. The owner must maintain the swales, slopes, and ditch to provide free drainage to the ditch and prevent any possibility of storm water backing up into the house.

The owner should be aware that if free drainage is not maintained thru fields and subdivisions across roads and thru culverts to the Rose Creek, or if future development in the area causes increased storm water run off, or if rainfall occurs with greater flooding effect than the design storm, the level of the creek could rise higher than anticipated and nearby Zone A areas could be larger than indicated by FEMA and his house would be more susceptible to flooding. Owner should verify topo data by shooting grades to make sure there is a continuous downward slope to the creek on the path traced on the attached topo map.

Sincerely,



Mark Disosway, PE

SECTION 1804 FOOTINGS AND FOUNDATIONS; §1804.1.1 Foundations shall be built on undisturbed soil or properly compacted fill material. Foundations shall be constructed of materials described in this chapter.

§1804.1.2 Pile foundations shall be designed and constructed in accordance with §1805.

§1804.1.3 The bottom of foundations shall extend no less than 12 inches (305 mm) below finish grade.

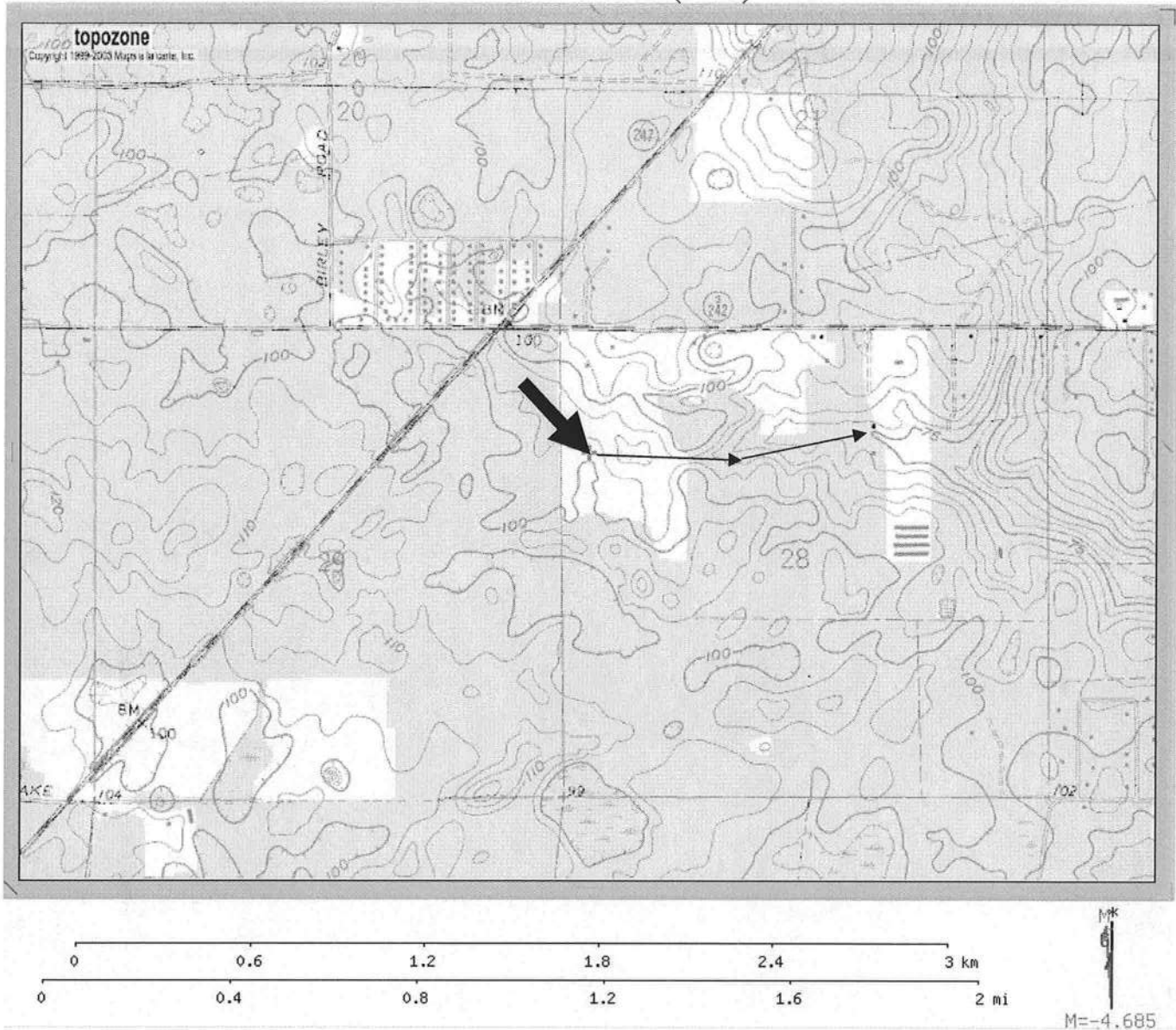
§1804.1.4 Temporary buildings and buildings not exceeding one story in height and 400 sq ft (37 m²) in area shall be exempt from these requirements.

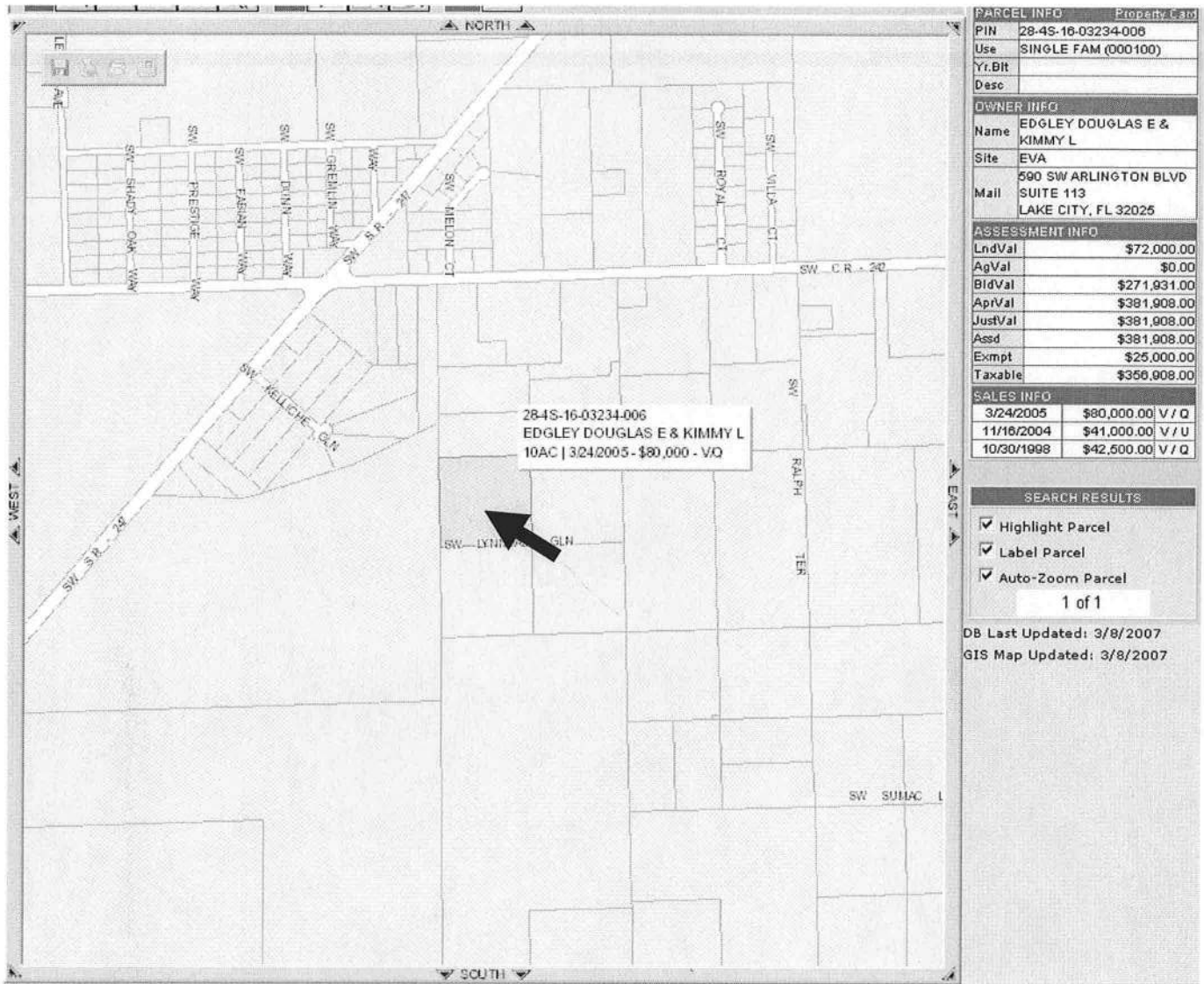
§1804.1.5 Excavations for foundations shall be backfilled with soil which is free of organic material, construction debris and large rocks.

§1804.1.6 Where water impacts the ground from a roof valley, downspout, scupper or other rain water collection or diversion device, provisions shall be made to prevent soil erosion and direct the water away from the foundation.

§1804.1.7 Finish grade shall be sloped away from the foundation for drainage.

§1804.1.8 The area under footings, foundations and concrete slabs on grade shall have all vegetation, stumps, roots and foreign materials removed prior to their construction. Fill material shall be free of vegetation and foreign material.





PARCEL INFO		Property Cam
PIN	28-4S-16-03234-006	
Use	SINGLE FAM (000100)	
Yr.Blt		
Desc		
OWNER INFO		
Name	EDGLEY DOUGLAS E & KIMMY L	
Site	EVA	
Mail	590 SW ARLINGTON BLVD SUITE 113 LAKE CITY, FL 32025	
ASSESSMENT INFO		
IndVal	\$72,000.00	
AgVal	\$0.00	
BldVal	\$271,931.00	
AprVal	\$381,908.00	
JustVal	\$381,908.00	
Assd	\$381,908.00	
Exmpt	\$25,000.00	
Taxable	\$356,908.00	
SALES INFO		
3/24/2005	\$80,000.00	V / Q
11/16/2004	\$41,000.00	V / U
10/30/1998	\$42,500.00	V / Q
SEARCH RESULTS		
☒	Highlight Parcel	
☒	Label Parcel	
☒	Auto-Zoom Parcel	
1 of 1		

DB Last Updated: 3/8/2007
GIS Map Updated: 3/8/2007

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	703151EdgleyConstruction	Builder:	<i>Owner</i>
Address:		Permitting Office:	<i>Columbia Co.</i>
City, State:	, FL	Permit Number:	
Owner:	Edgley, Doug & Kimmy Barn	Jurisdiction Number:	<i>221000</i>
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	885 ft²		
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: 32.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default) 124.0 ft²			HSPF: 7.90
b. SHGC:		b. Electric Heat Pump	Cap: 32.0 kBtu/hr
(or Clear or Tint DEFAULT) 7b. (Clear) 124.0 ft²			HSPF: 7.00
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 137.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1032.0 ft²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 742.0 ft²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 885.0 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 100.0 ft		
b. N/A			

Glass/Floor Area: 0.14

Total as-built points: 13098

Total base points: 14373

PASS

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

PREPARED BY: *[Signature]*

DATE: *4-13-09*

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: , , FL,

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	885.0	20.04	3192.4	Double, Clear	E	1.5	0.0	6.0	42.06	0.36	90.1
				Double, Clear	E	1.5	0.0	16.5	42.06	0.36	247.6
				Double, Clear	S	1.5	0.0	16.5	35.87	0.43	255.6
				Double, Clear	S	1.5	0.0	9.0	35.87	0.43	139.4
				Double, Clear	S	1.5	0.0	40.0	35.87	0.43	619.7
				Double, Clear	W	1.5	0.0	36.0	38.52	0.37	519.5
				As-Built Total:				124.0	1871.9		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	742.0	0.70	519.4	Frame, Wood, Exterior	13.0		1032.0	1.50		1548.0	
Exterior	1032.0	1.70	1754.4	Frame, Wood, Adjacent	13.0		742.0	0.60		445.2	
Base Total:				1774.0		2273.8		As-Built Total:		1774.0	1993.2
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			20.0	4.10		82.0	
Exterior	20.0	4.10	82.0								
Base Total:				20.0		82.0		As-Built Total:		20.0	82.0
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	885.0	1.73	1531.1	Under Attic	30.0		885.0	1.73 X 1.00		1531.1	
Base Total:				885.0		1531.1		As-Built Total:		885.0	1531.1
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	137.0(p)	-37.0	-5069.0	Slab-On-Grade Edge Insulation	0.0		137.0(p)	-41.20		-5644.4	
Raised	0.0	0.00	0.0								
Base Total:				-5069.0		137.0		As-Built Total:		-5644.4	
INFILTRATION Area X BSPM = Points						Area X SPM = Points					
885.0 10.21 9035.8						885.0 10.21		9035.8			

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 11046.1				Summer As-Built Points: 8869.6						
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
11046.1	0.4266		4712.3	(sys 1: Central Unit 32000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 8870 1.00 (1.09 x 1.147 x 0.91) 0.263 1.000 2649.3 8869.6 1.00 1.138 0.263 1.000 2649.3						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

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	885.0	12.74	2029.5	Double, Clear	E	1.5	0.0	6.0	18.79	1.51	169.9
				Double, Clear	E	1.5	0.0	16.5	18.79	1.51	467.2
				Double, Clear	S	1.5	0.0	16.5	13.30	3.66	803.0
				Double, Clear	S	1.5	0.0	9.0	13.30	3.66	438.0
				Double, Clear	S	1.5	0.0	40.0	13.30	3.66	1946.8
				Double, Clear	W	1.5	0.0	36.0	20.73	1.24	923.6
				As-Built Total:				124.0	4748.6		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	742.0	3.60	2671.2	Frame, Wood, Exterior	13.0		1032.0	3.40		3508.8	
Exterior	1032.0	3.70	3818.4	Frame, Wood, Adjacent	13.0		742.0	3.30		2448.6	
Base Total:				1774.0		6489.6		As-Built Total:		1774.0	5957.4
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			20.0	8.40		168.0	
Exterior	20.0	8.40	168.0								
Base Total:				20.0		168.0		As-Built Total:		20.0	168.0
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	885.0	2.05	1814.3	Under Attic	30.0		885.0	2.05 X 1.00		1814.3	
Base Total:				885.0		1814.3		As-Built Total:		885.0	1814.3
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	137.0(p)	8.9	1219.3	Slab-On-Grade Edge Insulation	0.0		137.0(p)	18.80		2575.6	
Raised	0.0	0.00	0.0								
Base Total:				1219.3		As-Built Total:		137.0	2575.6		
INFILTRATION Area X BWPM = Points								Area X WPM = Points			
885.0 -0.59 -522.1								885.0 -0.59 -522.1			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 11198.5				Winter As-Built Points: 14741.7									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Heating Points
11198.50.62747025.9				(sys 1: Electric Heat Pump 32000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 14741.70.500 (1.069 x 1.169 x 0.93) 0.4321.0003697.6 (sys 2: Electric Heat Pump 32000 btuh ,EFF(7.0) Ducts: None 14741.70.500(1.00 x 1.169 x 1.00) 0.4871.0004173.0									
				14741.71.001.1620.4581.0007841.9									

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X	Credit = Total Multiplier	
1		2635.00	2635.0	40.0	0.93	1	1.00	2606.67	1.00	2606.7
				As-Built Total:						2606.7

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
4712		7026		2635 14373	2649		7842		2607 13098

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , 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 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* = 85.2

The higher the score, the more efficient the home.

Edgley, Doug & Kimmy Barn, , , FL,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	1	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft²)	885 ft²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___		___
a. U-factor:	Description Area		13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble Default) 124.0 ft²	___	a. Electric Heat Pump	Cap: 32.0 kBtu/hr
b. SHGC:		___		HSPF: 7.90
(or Clear or Tint DEFAULT)	7b. (Clear) 124.0 ft²	___	b. Electric Heat Pump	Cap: 32.0 kBtu/hr
8. Floor types		___		HSPF: 7.00
a. Slab-On-Grade Edge Insulation	R=0.0, 137.0(p) ft	___	c. N/A	___
b. N/A	___	___		___
c. N/A	___	___	14. Hot water systems	
9. Wall types		___	a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1032.0 ft²	___		EF: 0.93
b. Frame, Wood, Adjacent	R=13.0, 742.0 ft²	___	b. N/A	___
c. N/A	___	___		___
d. N/A	___	___	c. Conservation credits	___
e. N/A	___	___	(HR-Heat recovery, Solar	___
10. Ceiling types		___	DHP-Dedicated heat pump)	___
a. Under Attic	R=30.0, 885.0 ft²	___	15. HVAC credits	___
b. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
c. N/A	___	___	HF-Whole house fan,	___
11. Ducts		___	PT-Programmable Thermostat,	___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 100.0 ft	___	MZ-C-Multizone cooling,	___
b. N/A	___	___	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 EnergyStarTM 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.*

Doug + Kimmy
Edgley

EFFECTIVE MARCH 1, 2002

Applicant	Plans Examiner	
☒	☐	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 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u> 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.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☒	☐	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation d) Location, size and height above roof of chimneys e) Location and size of skylights f) Building height g) Number of stories

Floor Plan including:

- | | | |
|-------------------------------------|--------------------------|--|
| ☒ | ☐ | a) Rooms labeled and dimensioned |
| ☒ | ☐ | b) Shear walls |
| ☒ | ☐ | c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown) |
| ☐ | ☐ | d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth |
| ☐ | ☐ | e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails |
| ☒ | ☐ | f) 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: <ol style="list-style-type: none">1. Truss layout and truss details signed and sealed by FI. Pro. Eng.2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) |
| ☒ | ☐ | b) Conventional Framing Layout including: <ol style="list-style-type: none">1. Rafter size, species and spacing2. Attachment to wall and uplift3. Ridge beam sized and valley framing and support details4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) |

Wall Sections including:

- | | | |
|--------------------------|--------------------------|---|
| ☐ | ☐ | a) Masonry wall <ol style="list-style-type: none">1. All materials making up wall2. Block size and mortar type with size and spacing of reinforcement3. Lintel, tie-beam sizes and reinforcement4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)7. Fire resistant construction (if required)8. Fireproofing requirements9. Shoe type of termite treatment (termicide or alternative method)10. Slab on grade<ol style="list-style-type: none">a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports11. Indicate where pressure treated wood will be placed12. Provide insulation R value for the following:<ol style="list-style-type: none">a. Attic spaceb. Exterior wall cavityc. Crawl space (if applicable) |
|--------------------------|--------------------------|---|

☒ ☐ **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)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 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 (termicide or alternative method)
11. Slab on grade
 - a. Vapor retardant (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)

☐ ☐ 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

HVAC information

- ☐ a) Manual J sizing equipment or equivalent computation
- ☐ b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

☐ **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**

- ☐ a) Size of pump motor
- ☐ b) Size of pressure tank

Residential System Sizing Calculation

Summary

Edgley, Doug & Kimmy Barn

Project Title:
703151EdgleyConstruction

Class 3 Rating
Registration No. 0
Climate: North

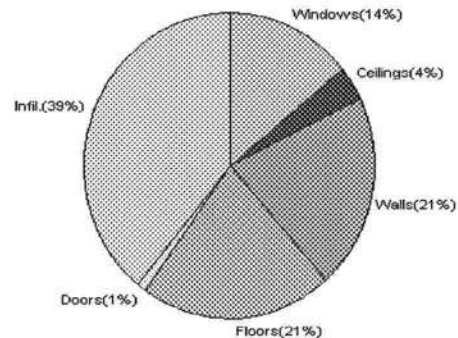
4/12/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	27891 Btuh	Total cooling load calculation	19751 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	229.5 64000	Sensible (SHR = 0.75)	167.9 24000
Heat Pump + Auxiliary(0.0kW)	229.5 64000	Latent	146.6 8000
		Total(Mixed Cooling)	162.0 32000

WINTER CALCULATIONS

Winter Heating Load (for 885 sqft)

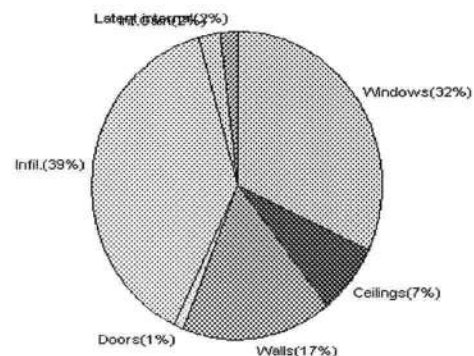
Load component	Load
Window total 124 sqft	3992 Btuh
Wall total 1774 sqft	5826 Btuh
Door total 20 sqft	259 Btuh
Ceiling total 885 sqft	1043 Btuh
Floor total 137 sqft	5981 Btuh
Infiltration 266 cfm	10790 Btuh
Duct loss	0 Btuh
Subtotal	27891 Btuh
Ventilation 0 cfm	0 Btuh
TOTAL HEAT LOSS	27891 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 885 sqft)

Load component	Load
Window total 124 sqft	6326 Btuh
Wall total 1774 sqft	3272 Btuh
Door total 20 sqft	196 Btuh
Ceiling total 885 sqft	1466 Btuh
Floor total	0 Btuh
Infiltration 138 cfm	2575 Btuh
Internal gain	460 Btuh
Duct gain	0 Btuh
Sens. Ventilation 0 cfm	0 Btuh
Total sensible gain	14295 Btuh
Latent gain(ducts)	0 Btuh
Latent gain(infiltration)	5056 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	400 Btuh
Total latent gain	5456 Btuh
TOTAL HEAT GAIN	19751 Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 4-13-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Edgley, Doug & Kimmy Barn

Project Title:
703151EdgleyConstruction

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

4/12/2007

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	6.0		32.2	193 Btuh
2	2, Clear, Metal, 0.87	NW	16.5		32.2	531 Btuh
3	2, Clear, Metal, 0.87	NE	16.5		32.2	531 Btuh
4	2, Clear, Metal, 0.87	NE	9.0		32.2	290 Btuh
5	2, Clear, Metal, 0.87	NE	40.0		32.2	1288 Btuh
6	2, Clear, Metal, 0.87	SE	36.0		32.2	1159 Btuh
Window Total			124(sqft)			3992 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1032		3.3	3389 Btuh
2	Frame - Wood - Adj(0.09)	13.0	742		3.3	2437 Btuh
Wall Total			1774			5826 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
Door Total			20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	885		1.2	1043 Btuh
Ceiling Total			885			1043Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	137.0 ft(p)		43.7	5981 Btuh
Floor Total			137			5981 Btuh
Zone Envelope Subtotal:						17101 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	1.29	12390		266.4	10790 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					27891 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	27891 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	27891 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Edgley, Doug & Kimmy Barn

Project Title:

Class 3 Rating

Registration No. 0

Climate: North

, FL

703151EdgleyConstruction



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

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Edgley, Doug & Kimmy Barn

Project Title:
703151EdgleyConstruction

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

4/12/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	6.0		32.2	193 Btuh
2	2, Clear, Metal, 0.87	NW	16.5		32.2	531 Btuh
3	2, Clear, Metal, 0.87	NE	16.5		32.2	531 Btuh
4	2, Clear, Metal, 0.87	NE	9.0		32.2	290 Btuh
5	2, Clear, Metal, 0.87	NE	40.0		32.2	1288 Btuh
6	2, Clear, Metal, 0.87	SE	36.0		32.2	1159 Btuh
Window Total			124(sqft)			3992 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1032		3.3	3389 Btuh
2	Frame - Wood - Adj(0.09)	13.0	742		3.3	2437 Btuh
Wall Total			1774			5826 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
Door Total			20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	885		1.2	1043 Btuh
Ceiling Total			885			1043Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	137.0	ft(p)	43.7	5981 Btuh
Floor Total			137			5981 Btuh
Zone Envelope Subtotal:						17101 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	1.29	12390	266.4		10790 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					27891 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	27891 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	27891 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Edgley, Doug & Kimmy Barn

Project Title:

Class 3 Rating

Registration No. 0

Climate: North

, FL

703151EdgleyConstruction

1/12/2007

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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

For Florida residences only



System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Edgley, Doug & Kimmy Barn

Project Title:
703151EdgleyConstruction

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

4/12/2007

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

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	6.0	0.0	6.0	29	60	360 Btuh	
2	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	16.5	0.0	16.5	29	60	991 Btuh	
3	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	16.5	0.0	16.5	29	60	991 Btuh	
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	9.0	0.0	9.0	29	60	540 Btuh	
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	40.0	0.0	40.0	29	60	2401 Btuh	
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	36.0	36.0	0.0	29	63	1043 Btuh	
Window Total					124 (sqft)					6326 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1032.0		2.1		2153 Btuh		
2	Frame - Wood - Adj	13.0/0.09			742.0		1.5		1120 Btuh		
Wall Total						1774 (sqft)				3272 Btuh	
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				20.0		9.8		196 Btuh		
Door Total						20 (sqft)				196 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0			885.0		1.7		1466 Btuh		
Ceiling Total						885 (sqft)				1466 Btuh	
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	0.0			137 (ft(p))		0.0		0 Btuh		
Floor Total						137.0 (sqft)				0 Btuh	
	Zone Envelope Subtotal:									11260 Btuh	
Infiltration	Type	ACH			Volume(cuft)		CFM=		Load		
	SensibleNatural	0.67			12390		138.4		2575 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	2			X 230 +			0		460 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh
	Sensible Zone Load									14295 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Edgley, Doug & Kimmy Barn

Project Title:
703151EdgleyConstruction

Class 3 Rating
Registration No. 0
Climate: North

4/12/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	14295 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	14295 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	14295 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5056 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5456 Btuh
	TOTAL GAIN	19751 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Edgley, Doug & Kimmy Barn

Project Title:
703151EdgleyConstruction

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

4/12/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	6.0	0.0	6.0	29	60	360	Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	16.5	0.0	16.5	29	60	991	Btuh
3	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	16.5	0.0	16.5	29	60	991	Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	9.0	0.0	9.0	29	60	540	Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	40.0	0.0	40.0	29	60	2401	Btuh
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	36.0	36.0	0.0	29	63	1043	Btuh
	Window Total				124 (sqft)					6326 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1032.0			2.1		2153 Btuh	
2	Frame - Wood - Adj		13.0/0.09		742.0			1.5		1120 Btuh	
	Wall Total				1774 (sqft)					3272 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				20.0			9.8		196 Btuh	
	Door Total				20 (sqft)					196 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		885.0			1.7		1466 Btuh	
	Ceiling Total				885 (sqft)					1466 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		137 (ft(p))			0.0		0 Btuh	
	Floor Total				137.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									11260 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.67		12390			138.4		2575 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			2		X 230 +			0		460 Btuh	
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									14295 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Edgley, Doug & Kimmy Barn
 , FL

Project Title:
 703151EdgleyConstruction

Class 3 Rating
 Registration No. 0
 Climate: North

4/12/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	14295 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	14295 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	14295 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5056 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5456 Btuh
	TOTAL GAIN	19751 Btuh

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



For Florida residences only

Residential Window Diversity

MidSummer

Edgley, Doug & Kimmy Barn

Project Title:
703151EdgleyConstruction

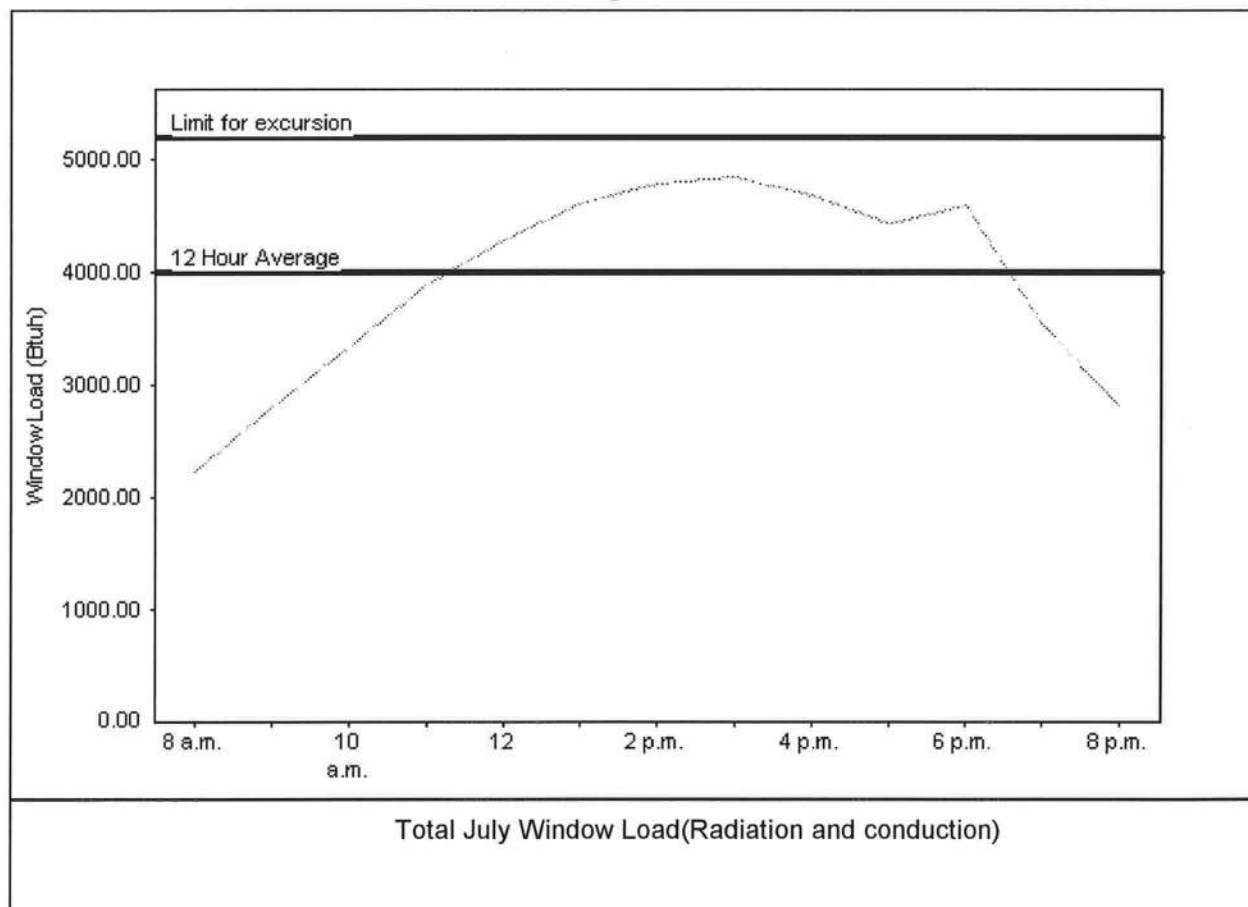
Class 3 Rating
Registration No. 0
Climate: North

4/12/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	4003 Btuh
Summer setpoint	75 F	Peak window load for July	4836 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	5203 Btuh
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

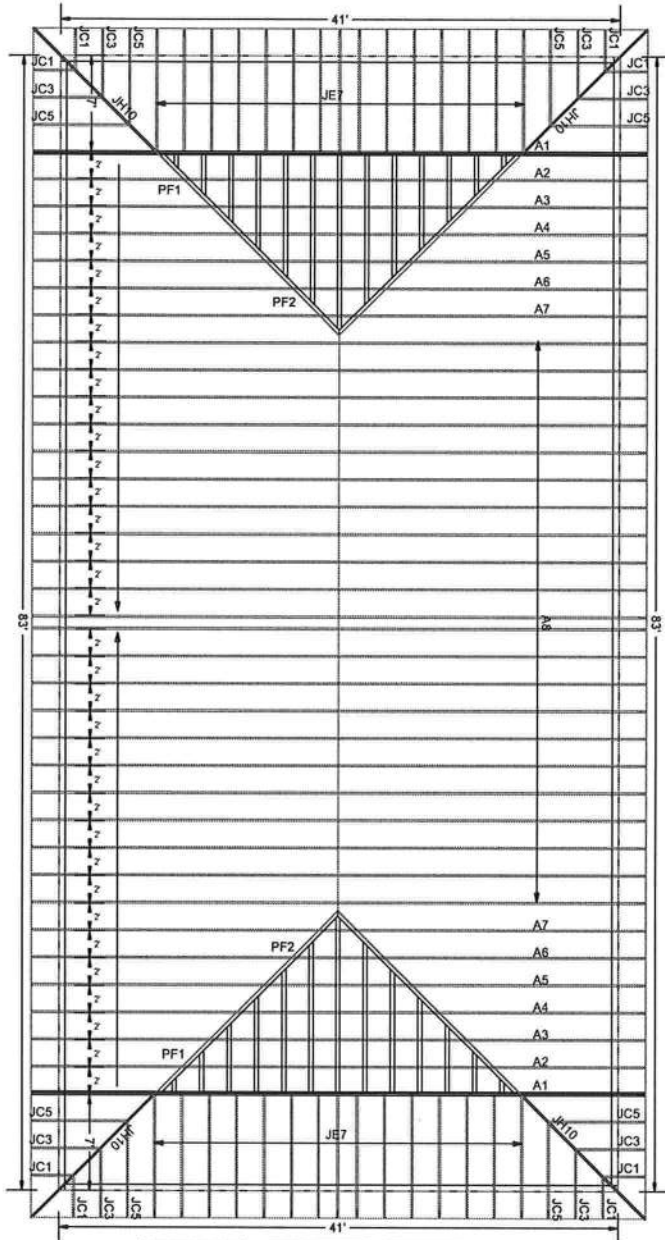
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *Bob Jones*

DATE: *4-13-07*

EnergyGauge® FLR2PB v4.1





W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

Roof Plane Sheathing Area = 4377 sq. ft.
Gable Sheathing Area = 408 sq. ft.
Total Sheathing Area = 4785 sq. ft.
Ridge Cap Material = 42 linear ft.
Valley Flashing Material = 0 linear ft.
Hip Ridge Material = 135 linear ft.

IMPORTANT DESIGN NOTES
HIP TRUSSES ARE DESIGNED WITH A
DROPPED TOP CHORD TO ALLOW FOR
PURLIN FRAME

Job Name: DOUG & KIMMY EDGELY GARAG
Customer: EDGELY CONSTRUCTION
Designer: Chris McCall

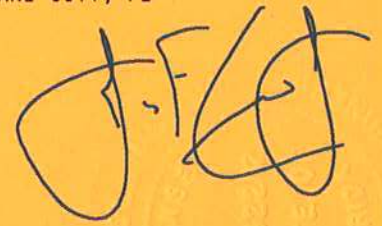
JOB NO:
4448

PAGE NO:
1 OF 1

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1T5V215-Z0222141721

Truss Fabricator: W.B. Howland
Job Identification: 4448-/DOUG & KIMMY EDGELY GARAG /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count: 13
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.25.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 03/22/2007

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: BRCLBSUB-

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	45999--A1		07081012	03/22/07
2	46000--A2		07081002	03/22/07
3	46001--A3		07081003	03/22/07
4	46002--A4		07081004	03/22/07
5	46003--A5		07081005	03/22/07
6	46004--A6		07081006	03/22/07
7	46005--A7		07081007	03/22/07
8	46006--A8		07081008	03/22/07
9	46007--JH10		07081013	03/22/07
10	46008--JC1		07081014	03/22/07
11	46009--JC3		07081009	03/22/07
12	46010--JC5		07081010	03/22/07
13	46011--JE7		07081011	03/22/07



Top chord 2x6 SP #2 N :T1, T5 2x4 SP #2 N:
Bot chord 2x6 SP #2 N :B3 2x6 SP #2 Dense:
Webs 2x4 SP #2 N

110 mph wind, 15.60 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks with no webs.

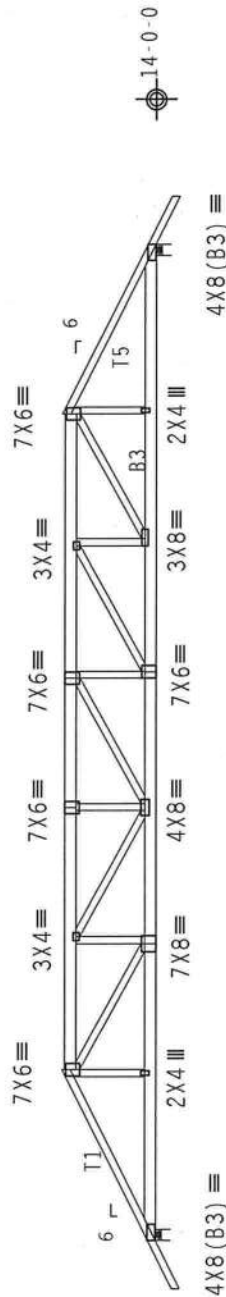
Deflection meets L/240 live and L/180 total load.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @ 4.00" 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.

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

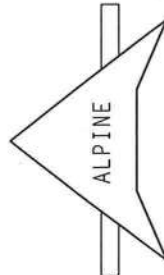
The overall height of this truss excluding overhang is 3-10-3.



2-0-0
7-0-0
27-0-0
7-0-0
7-0-0
41-0-0 Over 2 Supports
R=3485 U=322 W=5.5"
R=3485 U=322 W=5.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY: 2	FL / - / 5 / - / R / -	Scale = .125" / Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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.	TC LL	20.0 PSF	REF R215-- 45999
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN. CORRELATOR PLATES ARE MADE OF 2018/166A (M 8/25/18) ASTM A653 GRADE 40/60 (M 8/25/18) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-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 DL	10.0 PSF	DATE 03/22/07
	BC DL	10.0 PSF	DRW HCUSR215 07081012
	BC LL	0.0 PSF	HC-ENG EC/WHK
	TOT.LD.	40.0 PSF	SEQN- 170307
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1T5V215_Z02



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

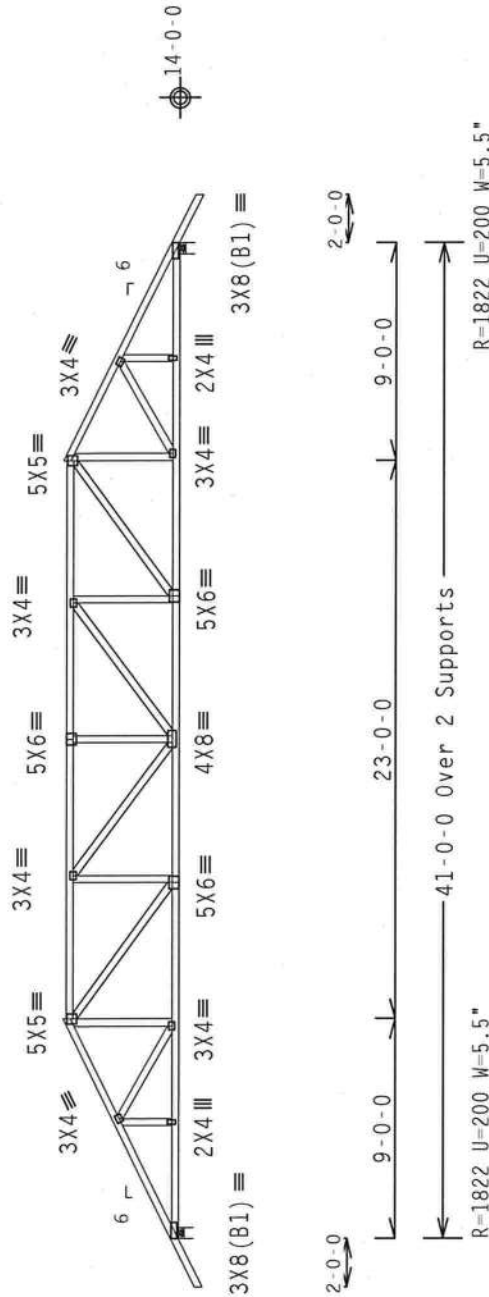
Wind reactions based on MWFRS pressures.

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

110 mph wind, 16.10 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. $I_w=1.00$ GCPI (+/-)=0.18

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

The overall height of this truss excluding overhang is 4-10-3.



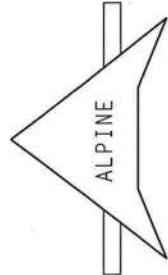
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:2

FL/-/5/-/R/- Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE NATIONAL DESIGN SPEC. FOR STEEL TRUSSES, 1TH EDITION, 1989. CONNECTOR PLATES ARE MADE OF 2018/716GA (W/J/SS)X8 ASTM A653 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1004-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



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

REF	R215-- 46000
DATE	03/22/07
DRW	HCUSR215 07081002
HC-ENG EC/WHK	*
SEQN	170311
FROM	CDM
JREF	1T5V215_Z02

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

Wind reactions based on MWFRS pressures.

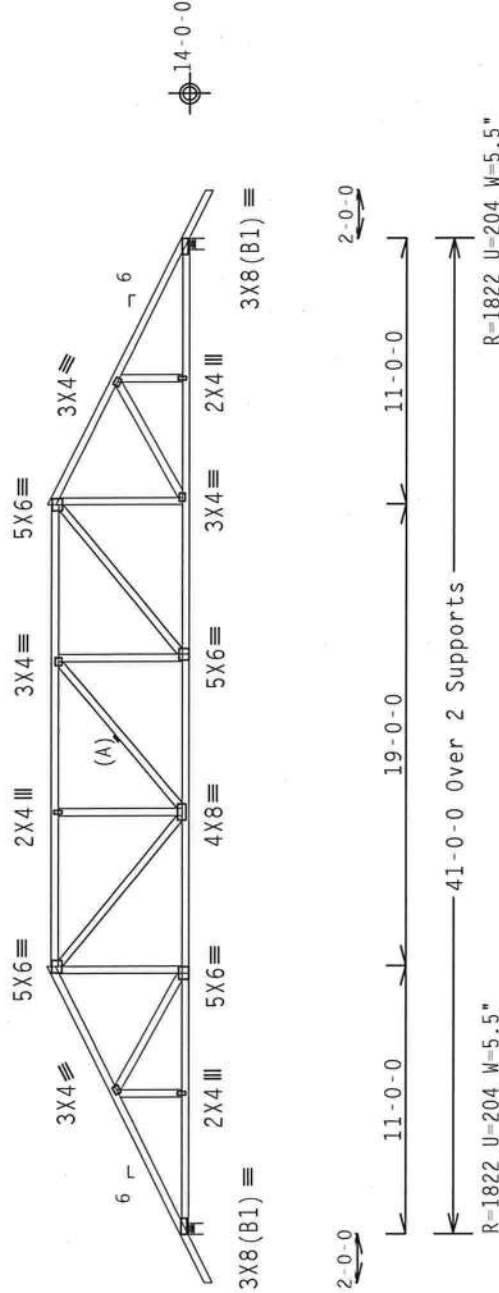
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 16.60 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. 1w=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 5'-10"-3."



Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22334) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF THE TRUSS IN COMPLIANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS SHALL BE FABRICATED, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE TRUSS SHALL BE FABRICATED BY ITW BCG. CONNECTOR PLATES ARE MADE OF 2018/1604 IN H/AS/PA ASTM A563 GRADE 40/60 (4 X/1/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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.

PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS, JR.
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 52712
Mar 22 07

QTY: 2	FL / - / 5 / - / - / R / -	Scale = .125" / Ft.
TC LL	20.0 PSF	REF R215-- 46001
TC DL	10.0 PSF	DATE 03/22/07
BC DL	10.0 PSF	DRW HCUSR215 07081003
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 170315
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T5V215_Z02

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

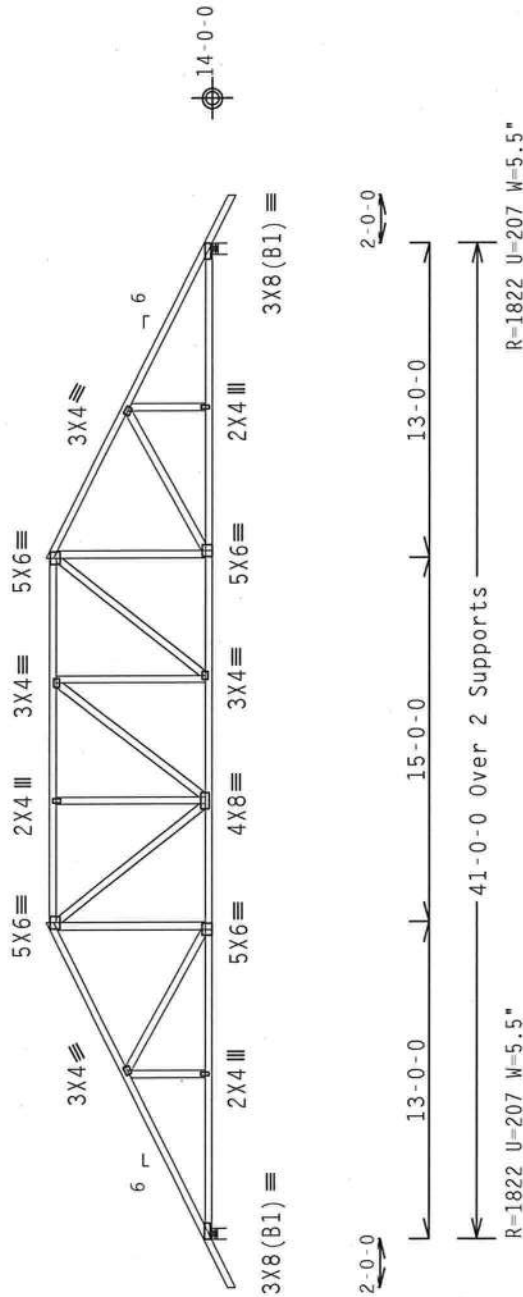
Wind reactions based on MWFRS pressures.

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

110 mph wind, 17.10 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. $I_w=1.00$ GCpi(+/-)=0.18

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

The overall height of this truss excluding overhang is 6-10-3.



Design Crit: TPI-2002 (STD) / FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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.

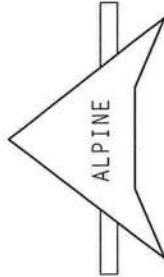
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. STEEL APPLY TO EACH FACE OF TRUSS. 20/10/18 INCHES. TOP AND BOTTOM CHORDS SHALL BE 20/10/18 INCHES. A SEAL ON THIS ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TPI-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.

PLT TYP. Wave

QTY: 2

Scale = .125"/Ft.

TC LL	20.0 PSF	REF R215-- 46002
TC DL	10.0 PSF	DATE 03/22/07
BC DL	10.0 PSF	DRW HCUSR215 07081004
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 170319
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T5V215_Z02



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

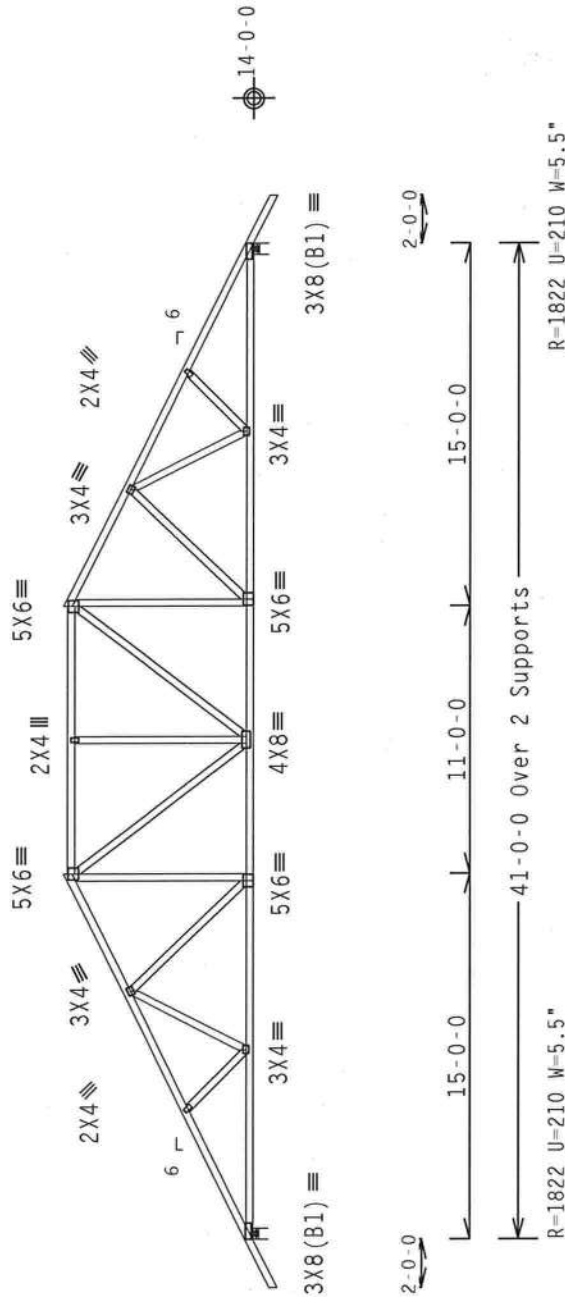
Wind reactions based on MWFRS pressures.

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

110 mph wind, 17.60 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. $lw=1.00 GCpi(+/-)=0.18$

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

The overall height of this truss excluding overhang is 7-10-3.



Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, 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. STEEL TRUSS BEG. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 1004-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI-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.

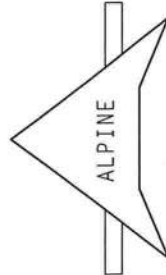
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

QTY: 2

Scale = .125"/Ft.

TC LL	20.0 PSF	REF R215-- 46003
TC DL	10.0 PSF	DATE 03/22/07
BC DL	10.0 PSF	DRW HCUSR215 07081005
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 170323
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T5V215_Z02



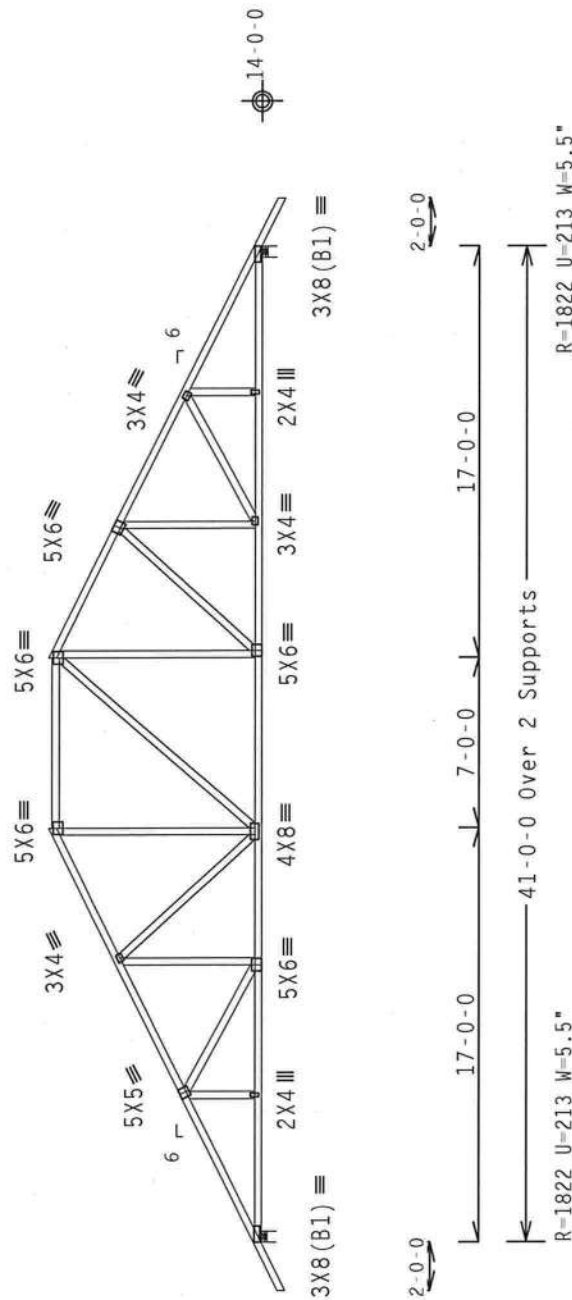
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



110 mph wind, 18.10 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. $I_w=1.00$ GCpi(+/-)=0.18

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

The overall height of this truss excluding overhang is 8-10-3.

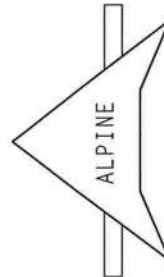


Design Crit: TPI-2002(STD)/FBC

QTY:2 FL/-/5/-/-/R/- Scale = .125" / Ft.

PLT TYP. Wave

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALWAYS USE PROPER LIFTING TECHNIQUES AND SAFETY INFORMATION. PUBLISHED BY THE CRUSS PLATE INSTITUTE, 210 NORTH LEISTER LANE, SUITE 100, CHICAGO, ILLINOIS 60658-7900. PHONE: 773-344-1100 FAX: 773-344-1101
ELECTRIC LANE, MOULDSIDE, MI 48219 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHILLING.

[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

	TC LL	20.0 PSF	REF	R215 - - 46004
	TC DL	10.0 PSF	DATE	03/22/07
	BC DL	10.0 PSF	DRW	HCUSR215 07081006
	BC LL	0.0 PSF	HC-ENG	EC/WHK *
	TOT. LD.	40.0 PSF	SEQN -	170327
	DUR. FAC.	1.25	FROM	CDM
	SPACING	24.0"	JREF -	1T5V215.Z02

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

Wind reactions based on MWFRS pressures.

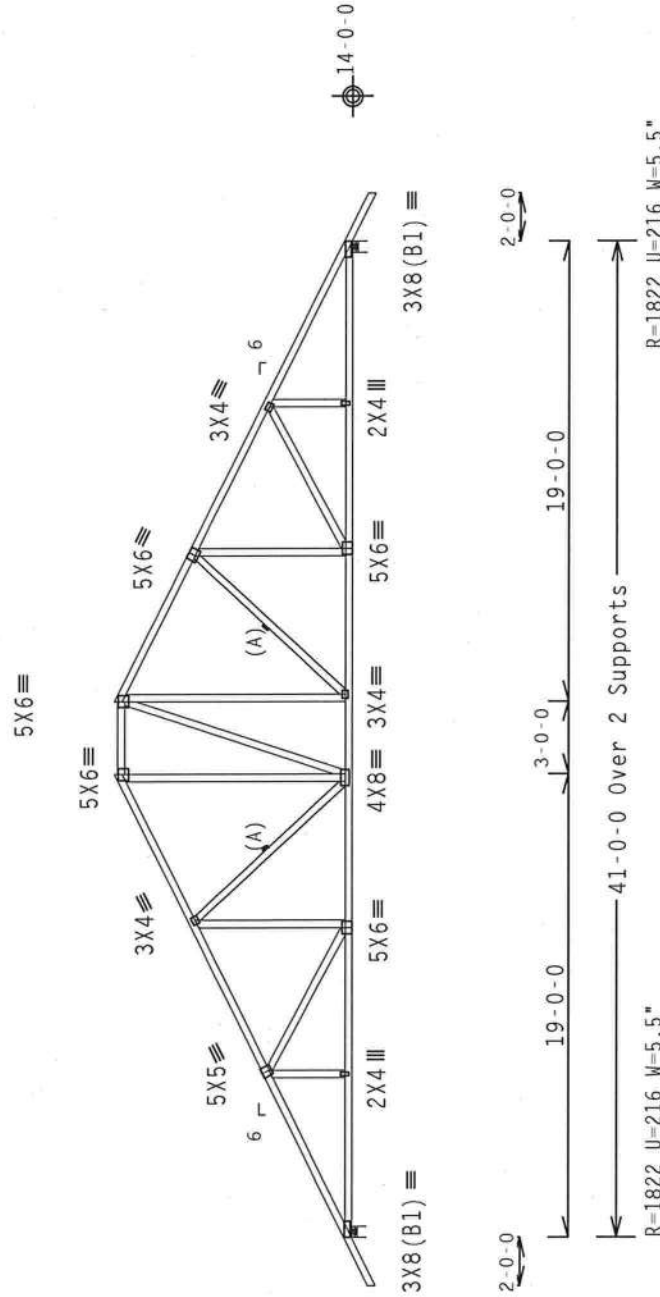
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 18.60 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. $I_w=1.00$ GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 9-10-3.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY: 2	FL / - / 5 / - / R / -	Scale = .125" / Ft.
	TC LL	20.0 PSF	REF R215-- 46005
	TC DL	10.0 PSF	DATE 03/22/07
	BC DL	10.0 PSF	DRW HCUSR215 07081007
	BC LL	0.0 PSF	HC-ENG EC/WHK *
	TOT.LD.	40.0 PSF	SEQN- 170331
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1T5V215_Z02

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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. PROVIDE THE FOLLOWING INFORMATION TO THE INSTALLATION CONTRACTOR: 1. ITW REG. DESIGN CORP. TRUSS MANUFACTURING DIVISION, 1000 W. KYLE ST., DEERFIELD, IL 60015. 2. ITW REG. CONNECTOR PLATES ARE MADE OF 2018/166A (M 1/55/8) ASTM A563 GRADE 40/60 (M 1/55/8) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI-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.

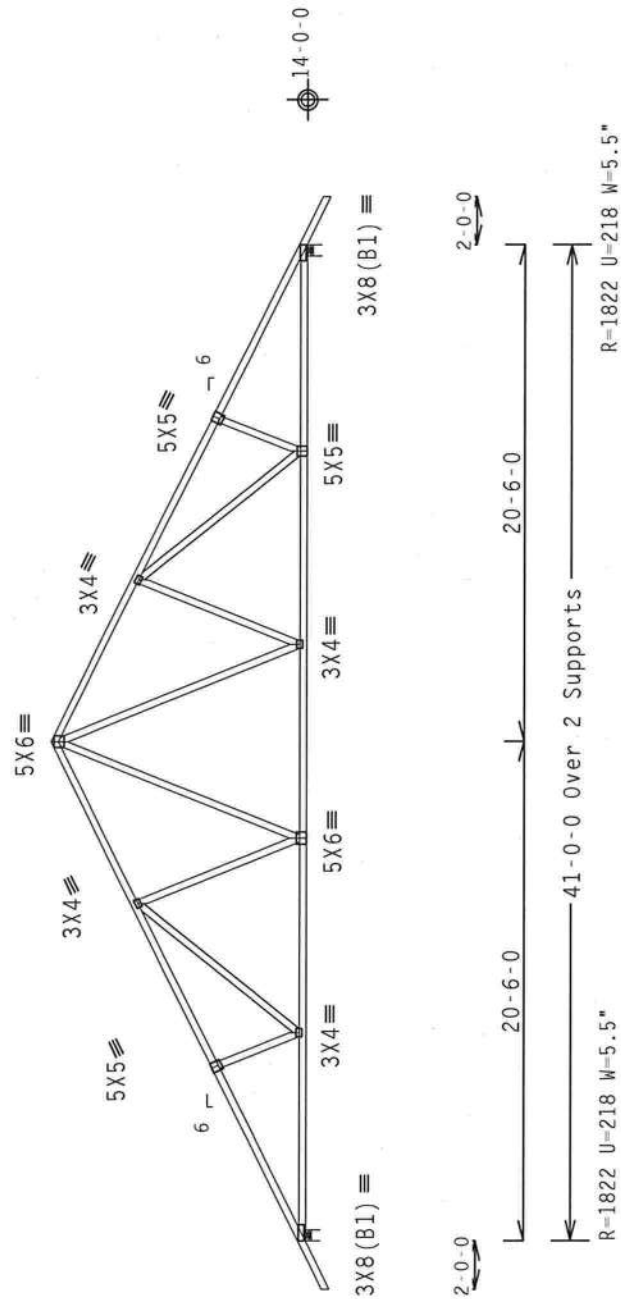
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 10'-7-3/4".

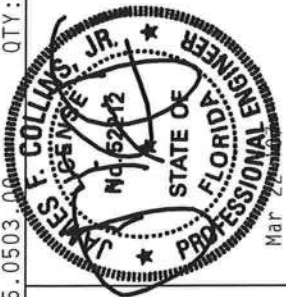
110 mph wind, 18.97 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY: 22 FL/-/5/-/R/-		Scale = .125"/Ft.	
	TC LL	20.0 PSF	REF	R215-- 46006
	TC DL	10.0 PSF	DATE	03/22/07
	BC DL	10.0 PSF	DRW	HCUSR215 07081008
	BC LL	0.0 PSF	HC-ENG	EC/WHK *
	TOT.LD.	40.0 PSF	SEQN-	170335
	DUR.FAC.	1.25	FROM	CDM
	SPACING	24.0"	JREF-	1T5V215_Z02



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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE TRUSS DESIGNER'S RESPONSIBILITY IS TO PROVIDE THE TRUSS DESIGN TO THE INSTALLATION CONTRACTOR. THE TRUSS DESIGNER'S RESPONSIBILITY IS TO PROVIDE THE TRUSS DESIGN TO THE INSTALLATION CONTRACTOR. THE TRUSS DESIGNER'S RESPONSIBILITY IS TO PROVIDE THE TRUSS DESIGN TO THE INSTALLATION CONTRACTOR. THE TRUSS DESIGNER'S RESPONSIBILITY IS TO PROVIDE THE TRUSS DESIGN TO THE INSTALLATION CONTRACTOR.

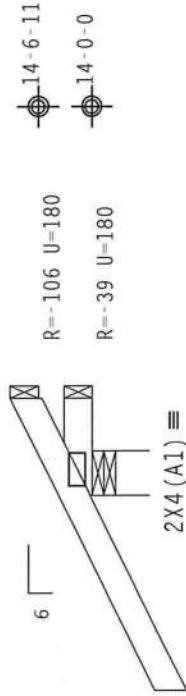
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

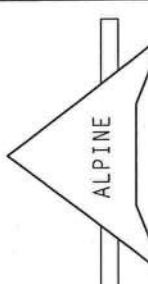
The overall height of this truss excluding overhang is 0-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

PLT TYP. Wave	Cg/RT=1.00(1.25)/10(0)		7.25.0503	QTY: 8	FL / - / 5 / - / - / R / -	Scale = .5" / Ft.
 ALPINE ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, 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. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55X) ASTM A653 GRADE 40/60 (4- K/H.55) GALV. STEEL. APPLY THE FOLLOWING TOLERANCES UNLESS OTHERWISE SPECIFIED: 1/8" MAX. PER END OF CHORD, 1/4" MAX. PER END OF TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNE A3 OF TPI-2002 SEC. 2.1. 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.					
						
	Mar 22 '07					
	TC LL	20.0 PSF	REF R215--	46008		
	TC DL	10.0 PSF	DATE	03/22/07		
	BC DL	10.0 PSF	DRW HCUSR215	07081014		
	BC LL	0.0 PSF	HC-ENG EC/WHK			
TOT.LD.	40.0 PSF	SEQN-	170344			
DUR.FAC.	1.25	FROM	CDM			
SPACING	24.0"	JREF-	1T5V215_Z02			



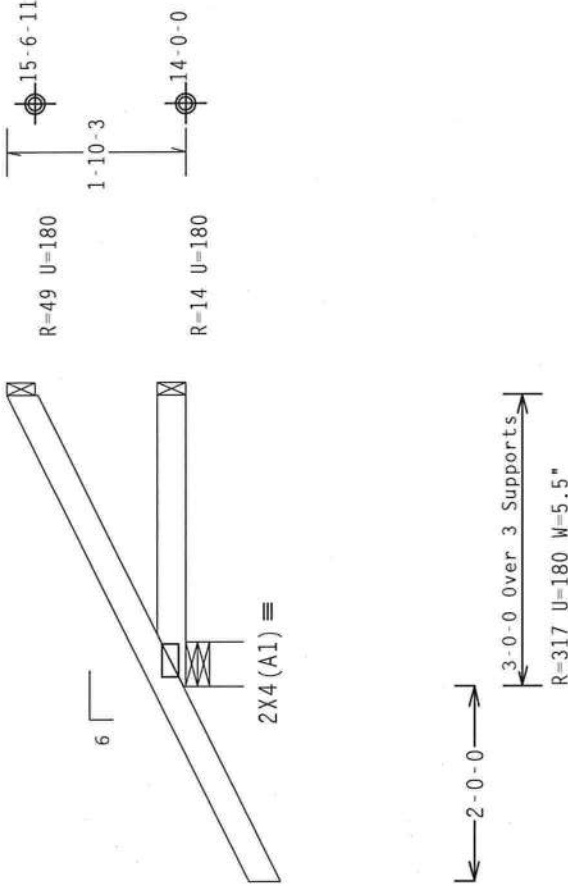
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)=0.18

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



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0)

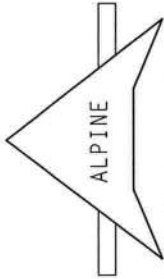
QTY: 8 FL/-/5/-/-/R/- Scale = .5"/Ft.

TC LL	20.0 PSF	REF R215-- 46009
TC DL	10.0 PSF	DATE 03/22/07
BC DL	10.0 PSF	DRW HCUSR215 07081009
BC LL	0.0 PSF	HC-ENG EC/MHK *
TOT.LD.	40.0 PSF	SEQN- 170347
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T5V215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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.

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Haines City, FL 33844
FL Certificate of Authorization # 567

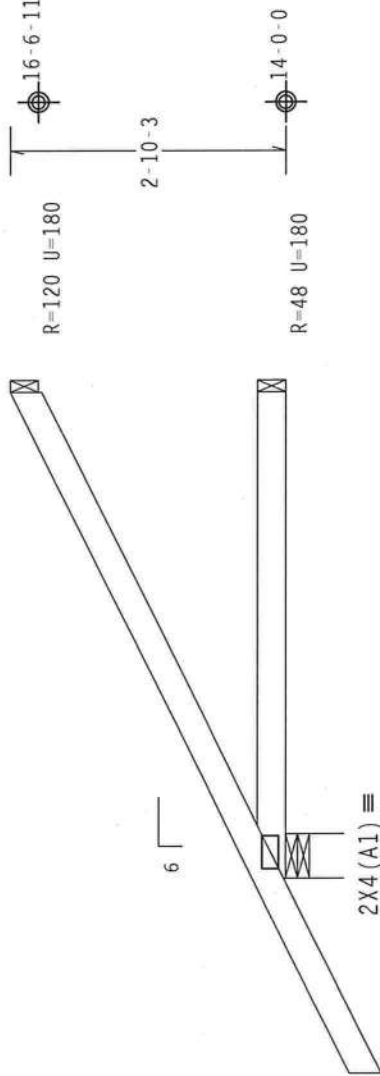
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 2-10-3.

110 mph wind, 15.10 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. $lw=1.00 G_{Cpi}(+/-)=0.18$

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



2-0-0

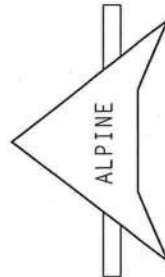
5-0-0 Over 3 Supports

R=377 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC

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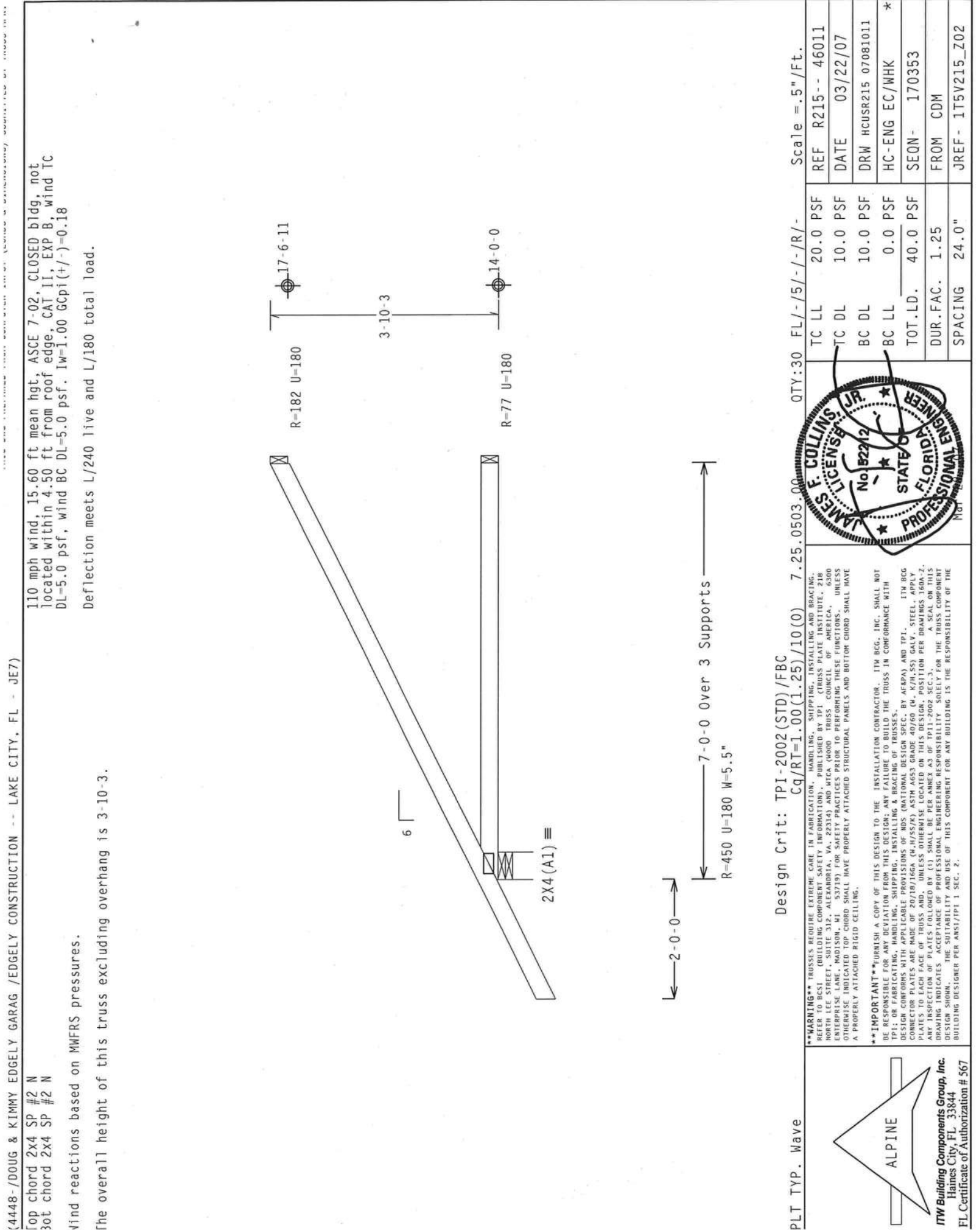
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

QTY: 8

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R215-- 46010
TC DL	10.0 PSF	DATE 03/22/07
BC DL	10.0 PSF	DRW HCUSR215 07081010
BC LL	0.0 PSF	HC-ENG EC/WHK *
TOT.LD.	40.0 PSF	SEQN- 170350
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T5V215_Z02



110 mph wind, 15.60 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, lw=1.00 GCpi(+/-)=0.18

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

Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:30 FL/-/5/-/-/R/- Scale=.5"/Ft.

PLT TYP. Wave

REF R215-- 46011
DATE 03/22/07
DRW HCUSR215 07081011
HC-ENG EC/WHK
SEQN- 170353
FROM CDM
JREF- 1T5V215_Z02

James F. Collins, Jr.
Professional Engineer
State of Florida
No. 152212

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

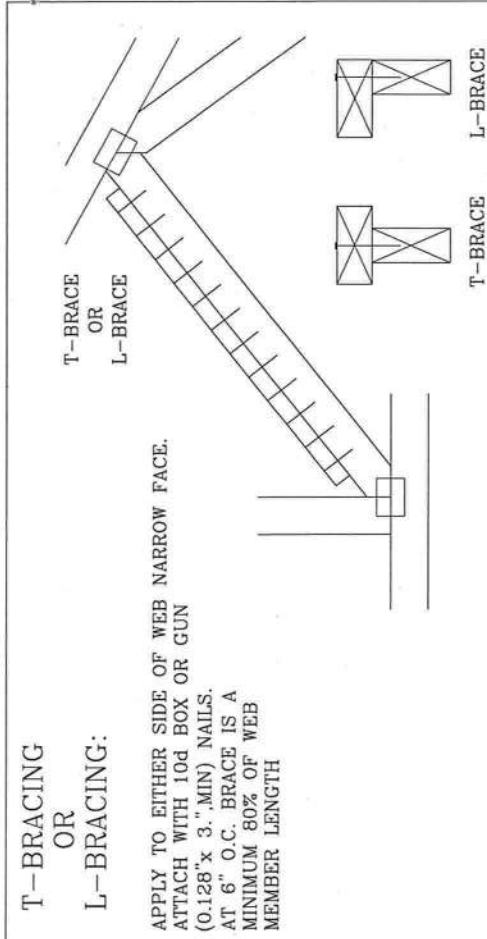
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4	2-2X4
2X6	1 ROW	2X4	1-2X6	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)	2-2X4(*)
2X8	1 ROW	2X6	1-2X8	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

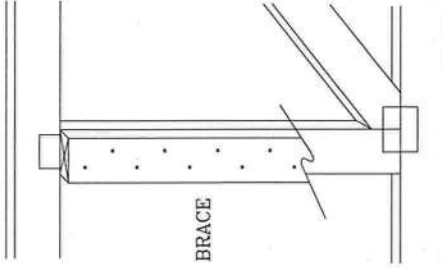
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

SCAB BRACE

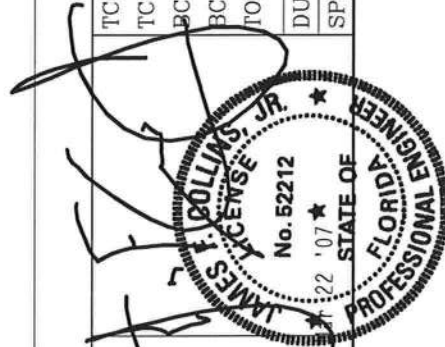


THIS DRAWING REPLACES DRAWING 579.640

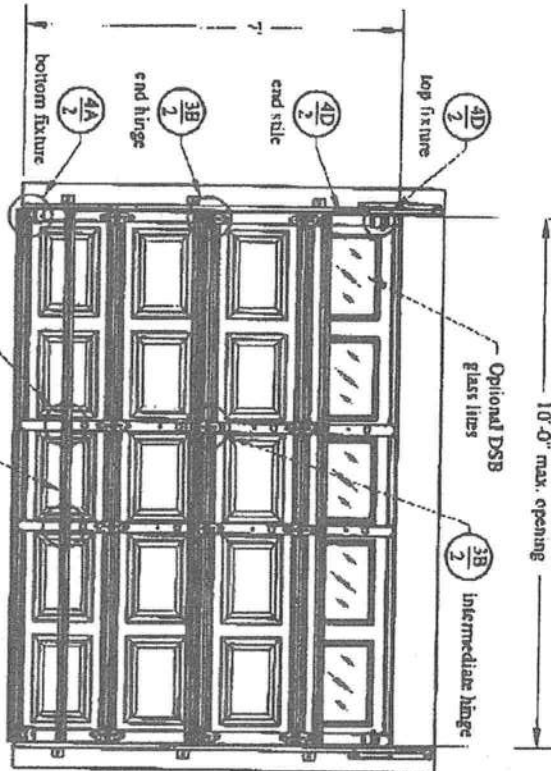
 ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA	TC LL	PSF	REF	CLB SUBST.
	TC DL	PSF	DATE	2/23/07
	BC DL	PSF	DRWG	BRLBSUB0207
	BC LL	PSF	-ENG	MLH/KAR
	TOT. LD.	PSF		
DUR. FAC.				
SPACING				

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE BEST BUILDING PRACTICES, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) AND THE ALPINE TRUSS INSTITUTE, 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 FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE BEST BUILDING PRACTICES, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) AND THE ALPINE TRUSS INSTITUTE, 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.



Sectional garage door



This door has been tested in accordance with ANSI/DASMA 108-2002
 Design Pressure (DP): 19.2 psf / 22.0 mg
 Test Pressure (TP): 29.8 psf / 33.0 mg
 Per 2004 FBC Table 1609.6B, DP meets or exceeds basic wind speed of:
 $V = 110$ MPH for Exposure B and mean roof height of 30' or less;
 $V = 93$ MPH for Exposure C and mean roof height of 30' or less
 Maximum door size: 10'-0" wide by 14'-0" tall
 Glazing and door have not been tested for windborne debris.
 Wood back and supporting structural elements shall be designed by a
 registered professional engineer for wind loads shown on this drawing.
 If door is not electrically operated, a lock must be installed.

Professional Engineer's seal provided
 only for verification of windload
 construction details

John E. Seales, P.E.
 1411 LeMay Street #205
 Carrollton, Texas 75007
 Florida P.E. # 51737

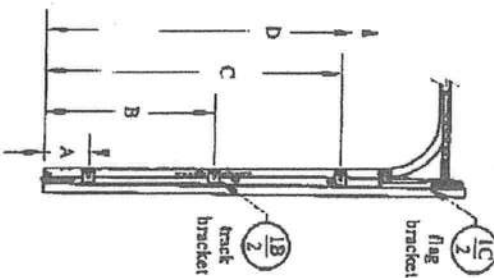
page 1 of 2

FL 5519

Model 2250/51 (10'-0" wide)
 C.H.I. Drawing: 25-1007-01100

door height	section quantity	strut quantity	rib brkt per side
6'-6" to 7'-0"	4	3	3
7'-6" to 8'-0"	5	4	4
8'-3" to 8'-9"	5	4	4
9'-0" to 10'-6"	6	5	5
10'-9" to 12'-3"	7	6	6
12'-6" to 14'-0"	8	7	7

Refer to Supplemental Instructions for
 strut placement on doors over 7'-0" high



Door Model	Gauge	Decimal
2250/231	25	.0185
4250/4251	25	.0185
2240/2341	24	.0225
4240/4341	24	.0225
5240/5341	24	.0225

Track Bracket	door height
D	6'-6" 6'-9" 7'-0" 7'-6" 7'-9" 8'-0" 8'-3" 8'-6" 8'-9"
C	6'-0" 6'-3" 6'-6" 6'-9" 7'-2" 6'-9" 7'-2" 8'-1" 8'-4" 8'-7"
B	3'-5" 3'-5" 3'-8" 3'-8" 3'-11" 3'-11" 3'-4" 3'-4" 3'-5" 3'-5"
A	10' 10' 7' 10' 10' 7' 10' 10' 7' 10'

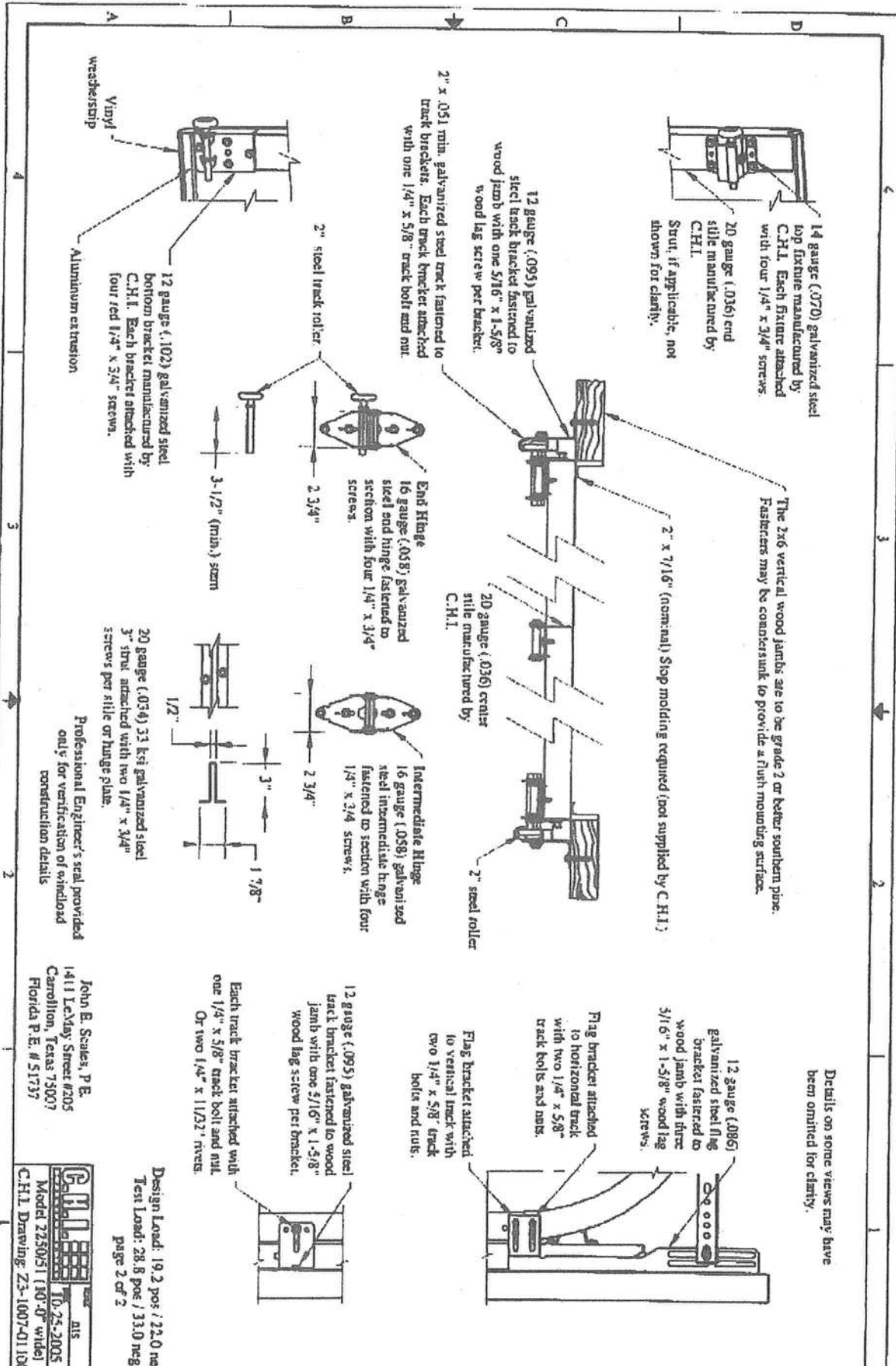
Track bracket locations shown above are for doors up to five sections high.
 Additional door sections may be added for a maximum door height of 14'-0".
 One track bracket (per track) must be added for each section and spaced at a
 distance not greater than the corresponding section height.

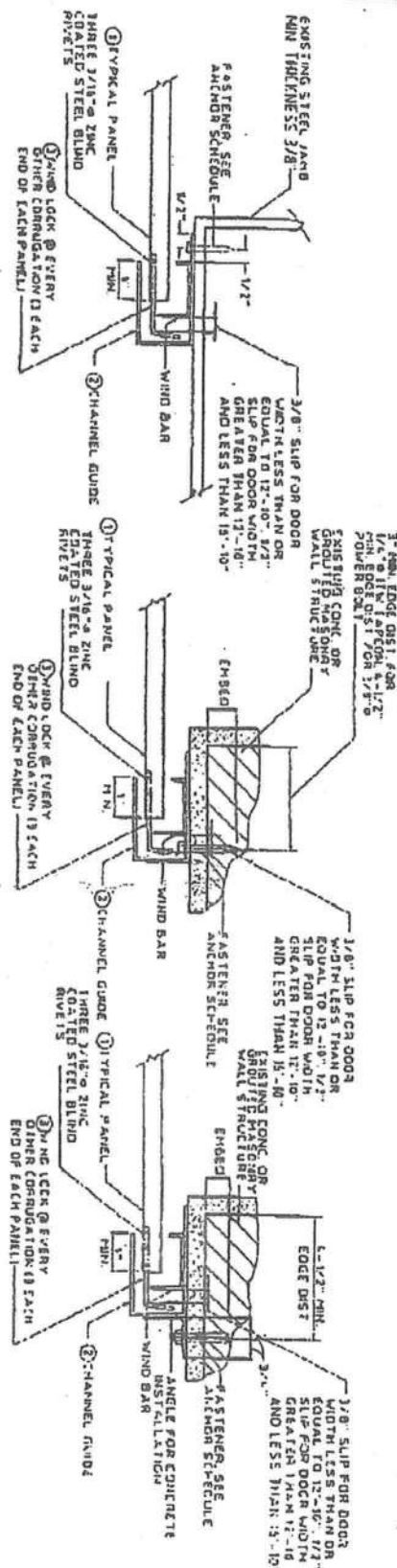
Sectional garage door

P.2/8

To: 7524904

APR-11-2007 15:10 From:

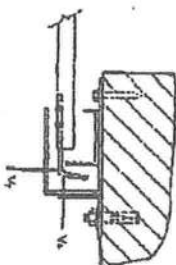




DOOR SCHEDULE

ANCHOR SCHEDULE - (FASTENER MAXIMUM SPACING)

DOOR SCHEDULE			ANCHOR SCHEDULE - (FASTENER MAXIMUM SPACING)					
F.A.K. DOOR W.C.H.	MAX PRESSURE (P.S.F.)	Vx (P.L.F.)	Vy (P.L.F.)	DETAIL(E1)	DETAIL(E2)	DETAIL(E3)	DETAIL(E4)	
				3/8"-12"x1/2" HX WASHER HEAD TYPE B THREAD FORMING ZINC PLATED STEEL SCREW PLUS A 3/8"x1/2" FLAT WASHER	3/8"x6" POSTER BOLT ANCHOR WITH MINIMUM 2 EMBEDMENT	1/4"-8" ITW TAPCON ANCHOR WITH MINIMUM 1-1/2" EMBEDMENT	3/8"x1/2"x8" NIPPLE SLEEVE ANCHOR WITH MINIMUM 1-7/8" EMBEDMENT	
				STEEL STRUCTURE	CONCRETE STRUCTURE	GRADED MASONRY STRUCTURE (SEE NOTE NO.2)	CONCRETE STRUCTURE	GRADED MASONRY STRUCTURE (SEE NOTE NO.2)
17'-10"	350	410	223	12"	12"	6"	12"	1"
17'-10"	760	470	165	14"	14"	11"	14"	19"
12'-10"	203	109	235	8"	12"	4"	8"	5"
16'-10"	250	162	216	8"	14"	5"	10"	6"



(E) SUPERIMPOSED LOAD DIAGRAM
SCALE: 1" = 1'-0"

CO/11/99 07.10

STANDARD BUILDING CODE

ROLL - UP DOOR

KNEZEVICH & ASSOCIATES, INC.

 k_{-}

CONSTRUCTION TESTING CORPORATION
13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Report No: 95-029

23 August 1995

Test Date: 17 August 1995**TESTS ON ROLL DOWN DOORS**Client:

Door & Building Components, Inc.
4310 Industrial Access Road
Douglasville, Georgia 30134

General: Uniform Static Air Pressure Loading, per ASTM E-330Testing witnessed by:

John W. Knezevich, P.E. Knezevich & Ass.
Don Mills, Product Engineer for D.B.C.I.
Bill Mathews, President J. B. Mathews
George Dotzler, CTC Test Engineer

Statement of Conformance: This is a general statement and does not supersede the specific product descriptions in this report. The specimens are in conformance with drawings provided by the manufacturer, labeled:

ROLL - UP DOOR
D.B.C.I.

Door & Building Components, Inc.
4310 Industrial Access Road
Douglasville, Georgia 30134

Date: 8-23-95 Drawing # 95-430

Description of Test Specimen: The specimen was a roll down door manufactured by Door & Building Components, Inc. . This door was installed covering a nominal opening 16'-0" wide by 16'-0" high. The door was constructed of painted galvanized steel sheet (mic'd @ 0.0240" w/ galvanized, w/o paint). The specimens channel guides were secured to the steel jamb (1/4" steel plate) of the test chamber with 9/16" hex head self threading 3/8" x 1" screws at 4" on center. These channel guides were as shown in detail 2 "Windlock Channel Guide" of the manufacturers supplied drawings. The left guide fastenings were secured through the 1-1/2" x 1-1/2" angle typically used for concrete installations. The right channel guide did not include this feature (the 1-1/2" x 1-1/2" angle) and the fastenings were secured through the center of the 1" protruding flange as shown detail 2. The door's bottom bar was as shown in detail 5 "Bottom Stiffener & Angle (Type B)" in the manufacturers drawings. Before testing this door was fully functional.

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CTC95029 : 23 August 1995 : Page 1 of 2

FROM : KNEZEVICH & ASSOCIATES, INC.

PHONE NO. : 954 382 2989

Oct. 06 1999 03:29PM P3

CONSTRUCTION TESTING CORPORATION

13873 N.W. 19th Ave. Miami, Florida 33054

Phone: (305) 685-6657 Fax: (305) 685-6659

Static Wind Loading / Manner of Testing:

Loads applied to the specimen (10 seconds durations in loading cycles greater than 40 seconds) were at levels specified by the client's Consulting Engineer. Polyethylene film (2 mil) and tape were used to seal air leakage during loads. The film and tape were used in a manner that did not influence the results. Deflection gauges were mounted at each jamb to record deflections along the center line of the door. The deflection readings are as follows.

		Left		Center		Right		Net @ Center Line		
Load	Load	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Percent
PSF	In. H2O	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	Recovery
0.0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NA
15.6	3.0	0.600	0.063	11.438	0.188	0.500	0.016	10.938	0.148	98.6
20.8	4.0	0.531	0.063	12.063	0.125	0.516	0.156	11.539	0.018	99.9
26.0	5.0	0.531	0.031	13.000	0.063	0.563	0.031	12.453	0.031	99.7
31.2	6.0	0.563	0.031	13.750	0.125	0.625	0.063	13.156	0.078	99.4
38.5	7.4	0.625	0.125	14.938	0.313	0.750	0.063	14.250	0.219	98.5
45.5	8.8	0.688	0.156	18.250	0.750	0.875	0.063	15.469	0.641	95.9
52.5	10.1	NR	NR	NR	NR	NR	NR	NR	NR	NR

As loading was initiated it momentarily rose to approximately 55 PSF then immediately reduced to the desired level.

The correct load was held for approximately 4 seconds when the windlocks failed at the center of the right jamb.

SUMMARY

One roll down door specimen manufactured by DBCI was wind loaded in accordance with ASTM E-330 under the supervision of the clients consulting engineer. Loads were chosen to prove the adequacy of the product to sustain a design load of 25.5 PSF. In fact the sustained test load of 45.5 PSF proved the product to a design load of 30.3 PSF.

Respectfully submitted,

CONSTRUCTION TESTING CORPORATION.
(Dade County Certification # 95-0419.02)

Report by George Dotzler: George Dotzler

Test witnessed & report reviewed
by John W. Knezevich, P.E. John W. Knezevich

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CTC95029 - 23 August 1995 - Page 2 of 2

13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Static Wind Loading / Manner of Testing:

Loads applied to the specimen (10 seconds durations in loading cycles greater than 40 seconds) were at levels specified by the client's Consulting Engineer. Polyethylene film (2 mil) and tape were used to seal air leakage during loads. The film and tape were used in a manner that did not influence the results. Deflection gauges were mounted at each jamb to record deflections along the center line of the door. The deflection readings are as follows:

Load	Load	Left		Center		Right		Net @ Center Line		
		Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Percent
PSF	In. H ₂ O	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	Recovery
0.0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NA
15.6	3.0	0.313	0.000	7.825	0.094	0.406	0.000	7.266	0.094	98.7
20.8	4.0	0.313	0.016	8.063	0.094	0.438	0.000	7.628	0.086	98.9
26.0	5.0	0.313	0.016	8.625	0.188	0.500	0.000	8.219	0.180	97.6
31.2	6.0	0.375	0.016	9.125	0.219	0.531	0.000	8.672	0.211	97.6
38.5	7.4	0.375	0.016	9.750	0.125	0.594	0.031	9.266	0.102	98.9
45.5	8.8	0.406	0.015	10.531	0.172	0.698	0.053	9.984	0.132	98.7
52.5	10.1	0.469	0.031	11.266	0.563	0.613	0.188	10.625	0.453	95.7
61.1	11.8	0.938	NR	14.875	NR	1.250	NR	13.781	NR	NR

Load was held for 9 seconds at this level when the wind loads failed at the left center jamb.

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CTC95028 : 23 August 1995 : Page 2 of 3

13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Impact Manner of Testing: In accordance with Dade County Test Protocol PA 201-94 (rev 2) **IMPACT TEST PROCEDURE.**

This testing was performed as an experiment for the research and development of this product for Dade County Product Approval. One door assembly was tested, this was installed as previously described. It was impacted twice with a 9.0 lb. 2x4 of No. 2 Southern Pine in locations as indicated in the document "Answers to questions most frequently asked about the new impact test" (by Jaime Gascon of DCPC) and a third time in a location specified by the clients engineer.

Impact Test Results

Shot	Impact Location	Impact Coordinates Rt(in), Up(in)	Firing Pressure in Hg	Impact Velocity Ft / Sec	Results
1	Right Bottom Corner	140, 12	9.88	49.6	No Penetration
2	Panel center @ Midspan	72, 33.5	10.00	50.2	No Penetration
3	Panel seam @ Midspan	73, 42.5	10.00	49.5	No Penetration

SUMMARY

One roll down door specimen manufactured by DBCI was wind loaded in accordance with ASTM E-330 under the supervision of the clients consulting engineer. Loads were chosen to prove the adequacy of the product to sustain a design load of 25.5 PSF. In fact the product sustained a test load of 52.5 PSF adequate to prove a design load of 35 PSF.

Following wind loading undamaged portions of the specimen were subjected to three impacts in accordance with Dade County Test Protocol PA 201-94 (ver 2.0). None of these impacts resulted in the penetration of the specimen.

Respectfully submitted,

CONSTRUCTION TESTING CORPORATION.
(Dade County Certification # 95-0419.02)

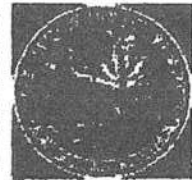
Report by George Dotzler :

[Signature] 8-23-95

Test witnessed & report reviewed
by John W. Knezevich, P.E. :

[Signature]

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CTC95028 : 23 August 1995 : Page 3 of 3



PRODUCT APPROVAL

Product Type Detail

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

[Need Help ?](#)

Application #: FL3319
Date Submitted: 09/14/2004
Product Manufacturer: MI Home Products INC
Address/Phone/email: 650 W Market St
Gratz, PA 17030
(717) 365-3300

Category: Exterior Doors

Subcategory: Sliding

Evaluation Method: Certification Mark or Listing

Referenced Standards from the Florida Building Code:	Section	Standard	Year
		AAMA/NWDA	1997
		101/1.5.2	

Certification Agency: American Architectural Manufacturers Association

Quality Assurance Entity:

Validation Entity:

Authorized Signature: Andrew Brill
abrill@mihp.com

Evaluation/Test Reports Uploaded:

Installation Documents Uploaded:

Product Approval Method: Method 1 Option A

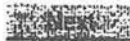
Application Status: Approved

Date Validated: 09/14/2004

Page:

Page 1 / 1

App/Sec #	Product Model # or Name	Model Description	Limits of Use
3319.1	420/430/440 (XXX)	Aluminum Patio Door 182x80 R-35 No Reinforcement DP+35/-35	Per manufacturers installation instructions. Comparative analysis charts and additional product information available at: www.miwd.com .
3319.2	420/430/440 (XXX)	Aluminum Patio Door 144x96 R-40 with Steel and Aluminum Reinforcement DP+40.0/-40.1	Per manufacturers installation instructions. Comparative analysis charts and additional product information available at: www.miwd.com .
3319.3	420/430/440 (XXO)	Aluminum Patio Door 182x96 R-25 with Steel Reinforcement DP+25/-25	Per manufacturers installation instructions. Comparative analysis charts and additional product information available at: www.miwd.com .



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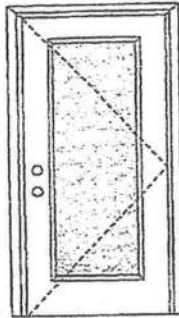
X

Glazed Inswing Unit

COP-WL-JH4141-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



109 Series



304 Series

XX

Opaque Inswing Unit

COP-WL-JH4102-D2

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12;
NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #302647A and COP/First Report Validation Matrix #302647A-001 provide additional information - available from the ITSAWH website (www.itsa-wh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

June 17, 2002

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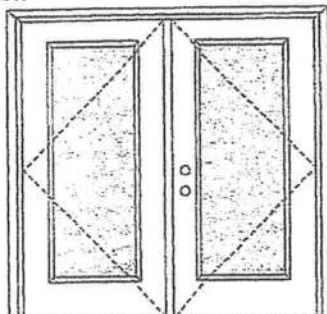


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Masonite International Corporation

XX

Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0002-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



133, 135 Series



136 Series



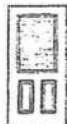
680 Series



822 Series

1/2 GLASS:

105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson™

Exclusively from

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthaz

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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EntrySystems

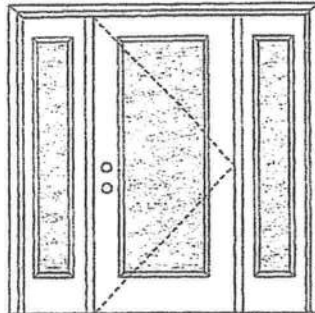
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Exclusively from
Masonite
Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Single Door with 2 Sidelites
Maximum unit size = 9'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

Warnock Hersey



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0004-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



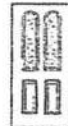
105 Series*



106, 160 Series*



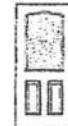
129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

June 17, 2002
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PREMIER Collection
Premium Quality Doors



Exclusively from

Masonite

Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series



300 Series

APPROVED SIDELITE STYLES:



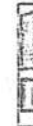
680 Series



129 Series



200 Series



12R, 12L, 23R, 23L, 24R, 24L Series



450 Series



152 Series



149 Series



109 Series



120, 122 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab and sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #3025447A and COP/Test Report Validation Matrix #3025447A-001 provides additional information - available from the ITSAWH website (www.itsawh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



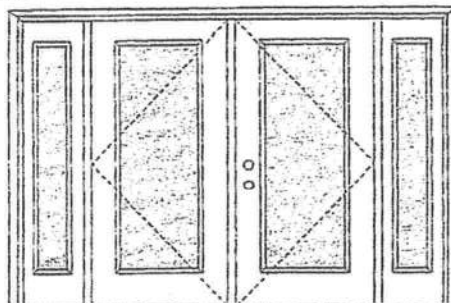
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Masonite
Masonite International Corporation

OXXO
Glazed Inswing Unit

COP-WL-JH4145-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door with 2 Sidelites
Maximum unit size = 12'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0005-02 or MAD-WL-MA0008-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0005-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



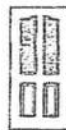
106, 160 Series*



129 Series*



200 Series*



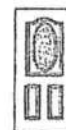
12 R/L, 23 R/L, 24 R/L
Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

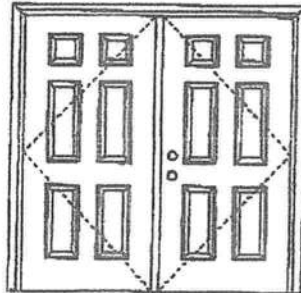
XX

Opaque Inswing Unit

COP-WL-JH4102-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Minimum unit size = 6'0" x 6'8"

Design Pressure
+45.0/-45.0

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistance requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the action required.



Test Data Review Certificate #1025447A
and COP/Test Report Validation Matrix
#2020447A-001 provides additional
information - available from the ITSMH
website (www.itsmh.com), the
Masonite website (www.masonite.com)
or the Masonite regional center.

Note:

Units of other sizes are covered by this
report as long as the panels used do not
exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0002-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:



Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



6-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

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EntrySystems

June 17, 2002
Our continuing program of product improvement meets Association, design and product
standards subject to change without notice.



Masonite
Masonite International Corporation

Glazed Inswing Unit

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3028447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itscmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

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Premium Quality Doors



Exclusively from

Masonite®
Masonite International Corporation

 Dorey
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**AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

**SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window**

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.



Mark A. Hess, Technician

MAH:nlb


Allen N. Reeves
1 APRIL 2002



Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01

Test Date: 03/07/02

Report Date: 03/26/02

Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen D. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

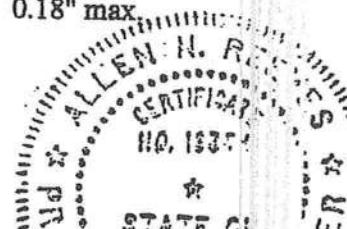
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Test Specimen Description: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"

Allen N. Reuser
1 APRIL 2002



Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:



Mark A. Hess
Technician

MAH:nlb
01-41134.01



Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



CERTIFICATE OF OCCUPANCY

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 28-4S-16-03234-006

Building permit No. 000025750

Use Classification WORKSHOP

Fire: 0.00

Permit Holder DOUG EDGLEY

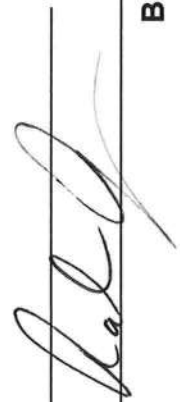
Waste:

Owner of Building DOUGLAS & KIMMY EDGLEY

Total: 0.00

Location: 447 SW EVA TERRACE

Date: 08/28/2007



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

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: _____
Company Address: _____ City _____ State _____ Zip _____
Company Business License No. _____ Company Phone No. _____
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: _____ Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) _____

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

Section 4: Treatment Information

Date(s) of Treatment(s) _____
Brand Name of Product(s) Used _____
EPA Registration No. _____
Approximate Final Mix Solution % _____
Approximate Size of Treatment Area: Sq. ft. _____ Linear ft. _____ Linear ft. of Masonry Voids _____
Approximate Total Gallons of Solution Applied _____
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) _____ 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 _____ Date _____

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012)

Form NPCA-99-B may still be used

form HU