

DATE 01/19/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000025428

APPLICANT MIKE TODD PHONE 755.4387
 ADDRESS 129 NE COLBURN AVENUE LAKE CITY FL 32055
 OWNER MIKE TODD CONSTRUCTION PHONE 755.4387
 ADDRESS 365 SW BURNETTE LANE LAKE CITY FL 32024
 CONTRACTOR MIKE TODD PHONE 755.4387
 LOCATION OF PROPERTY 47-S TO C-242,TR TO ZEBRA TERRACE,TL TO BURNETTE LN,TR 2ND
VACANT LOT ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 70000.00
 HEATED FLOOR AREA TOTAL AREA HEIGHT 15.20 STORIES 1
 FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
 LAND USE & ZONING RSF-2 MAX. HEIGHT 35
 Minimum Set Back Requirements: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
 NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 26-4S-16-03181-020 SUBDIVISION
 LOT BLOCK PHASE UNIT TOTAL ACRES 0.51

000001307 CGC006209
 Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32"MITERED 07-00047N BLK JTH N
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.Check # or Cash 12210**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 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 Pool
 date/app. by 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
 date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 350.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
 MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
 FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 **TOTAL FEE** 450.00
 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.

Columbia County Building Permit Application

#2
For Office Use Only Application # 0609.25 Date Received 9/11 By SW Permit # 25428/130
 Application Approved by - Zoning Official B2K Date 17.09.06 Plans Examiner OK JTH Date 9-15-06
 Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. 2nd Dev.
 Comments _____

Applicants Name Mike Todd Construction Phone 386 755 4387
 Address 129 NE Colburn Avenue Lake City FL 32055
 Owners Name Mike Todd Construction Phone 386 755 4387
 911 Address 365 SW Burnett Lake City FL 32024
 Contractors Name Mike Todd Construction Phone 386 755 4387
 Address 129 NE Colburn Ave Lake City FL 32055
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address _____
 Mortgage Lenders Name & Address First Federal
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 26-4S-16-03181-020 Estimated Cost of Construction 104,000-
 Subdivision Name N/A Lot - Block - Unit - Phase -
 Driving Directions 47 South to CR 242 - Turn Left onto Zebra Terrace - Turn R onto Burnette Lane - 2nd vacant lot on R

Type of Construction Single family residential Number of Existing Dwellings on Property 0
 Total Acreage .51 Lot Size .51 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 45' Side 21' Side 21' Rear 125'
 Total Building Height 15'2" Number of Stories 1 Heated Floor Area 1400 Roof Pitch 9/12
 TOTAL 1837

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

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

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 11 day of Sept 2006

Personally known ✓ or Produced Identification _____

Contractor Signature

Contractors License Number C6C006209

Competency Card Number _____

NOTARY STAMP/SEAL

Teresa N. Pierce
 Notary Signature
 MY COMMISSION # DD474390
 EXPIRES: Sept. 21, 2009

THIS INSTRUMENT WAS PREPARED BY:
TERRY MCDAVID 06-634A
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst: 2006030062 Date: 12/22/2006 Time: 11:44
DC, P. Dewitt Cason, Columbia County B: 1105 P: 1876

PERMIT NO. _____

TAX FOLIO NO.: _____

NOTICE OF COMMENCEMENT

365 SW Burnett

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:
SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.
2. General description of improvement: Construction of Dwelling
3. Owner information:
 - a. Name and address: MIKE TODD CONSTRUCTION, INC.
129 NE Colburn Ave., Lake City, FL 32055
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): None
4. Contractor: MIKE TODD CONSTRUCTION, INC.
129 NE Colburn Ave., Lake City, FL 32055
5. Surety n/a
 - a. Name and address:
 - b. Amount of bond:
6. Lender: FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 West U.S. Highway 90
Post Office Box 2029
Lake City, FL 32056
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a) 7., Florida Statutes: NONE
8. In addition to himself, Owner designates Paulette Floyd of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90, Post Office Box 2029, Lake City, FL 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). December 19, 2007.

STATE OF FLORIDA
COUNTY OF COLUMBIA

MIKE TODD CONSTRUCTION, INC.


By: MIKE TODD, President

The foregoing instrument was acknowledged before me this 19th day of December, 2006, by MIKE TODD, as President of MIKE TODD CONSTRUCTION, INC., who is personally known to me and who did not take an oath.


Notary Public
My commission expires: _____

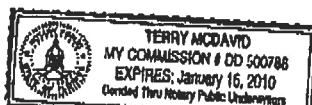


EXHIBIT "A"

COMMENCE AT THE SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 26, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE SOUTH 89 DEG. 40 MIN. 52 SEC. WEST, 461.64 FEET; TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 89 DEG. 40 MIN. 52 SEC. WEST, 108.79 FEET; THENCE SOUTH 01 DEG. 58 MIN. 12 SEC. EAST, 204.44 FEET; THENCE NORTH 89 DEG. 36 MIN. 52 SEC. EAST, 108.79 FEET; THENCE NORTH 01 DEG. 58 MIN. 15 SEC. WEST, 204.32 FEET TO THE POINT OF BEGINNING.

Inst:2006029875 Date:12/20/2006 Time:16:17

Doc Stamp-Deed : 115.50

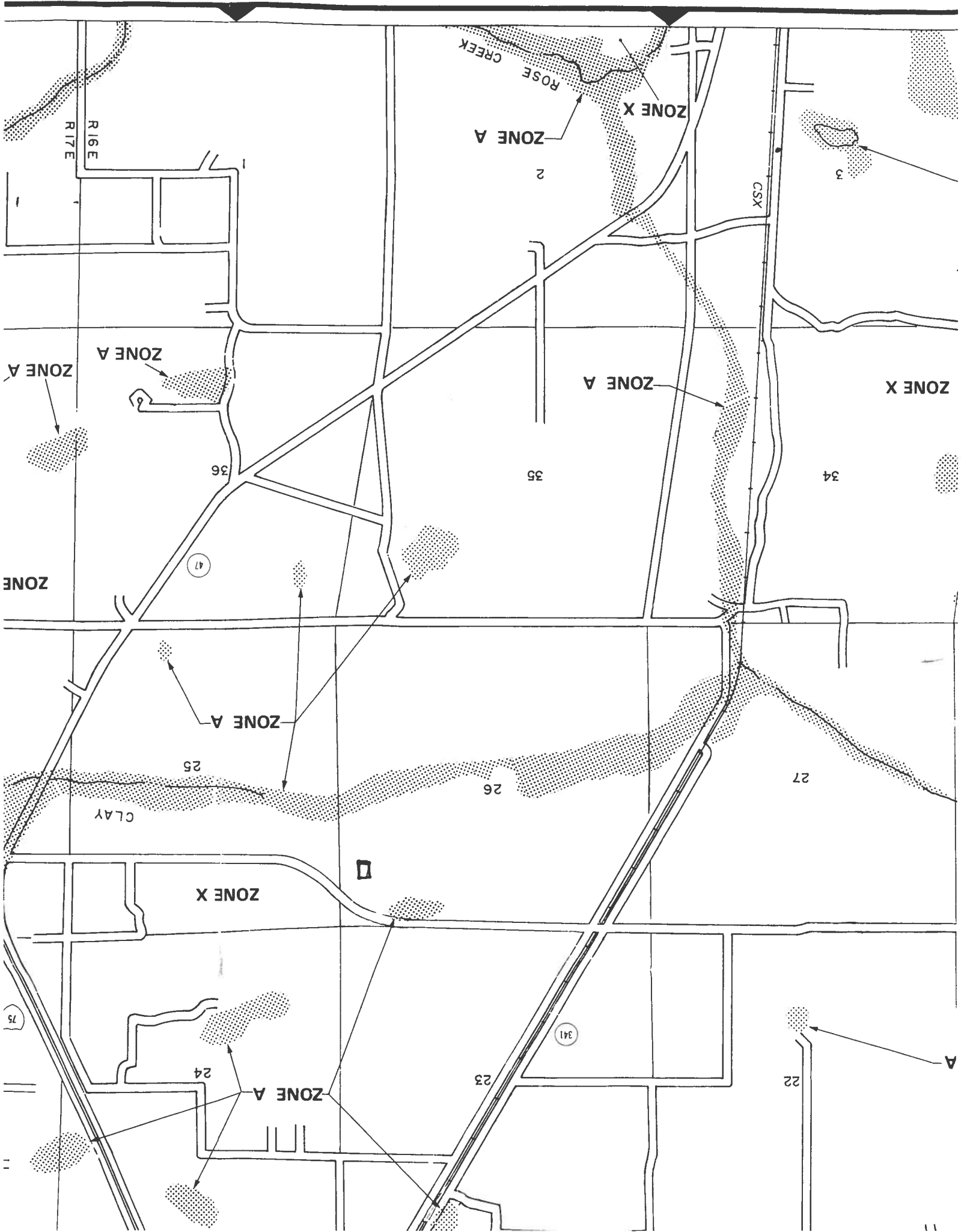
DC, P. DeWitt Cason, Columbia County R:1105 P:1258

215 SW Burnett
Jan. 19 2007 08:29AM PS

PHONE NO. : 38675512220

FROM : MIKETDD CSP

PAGE(S): 32

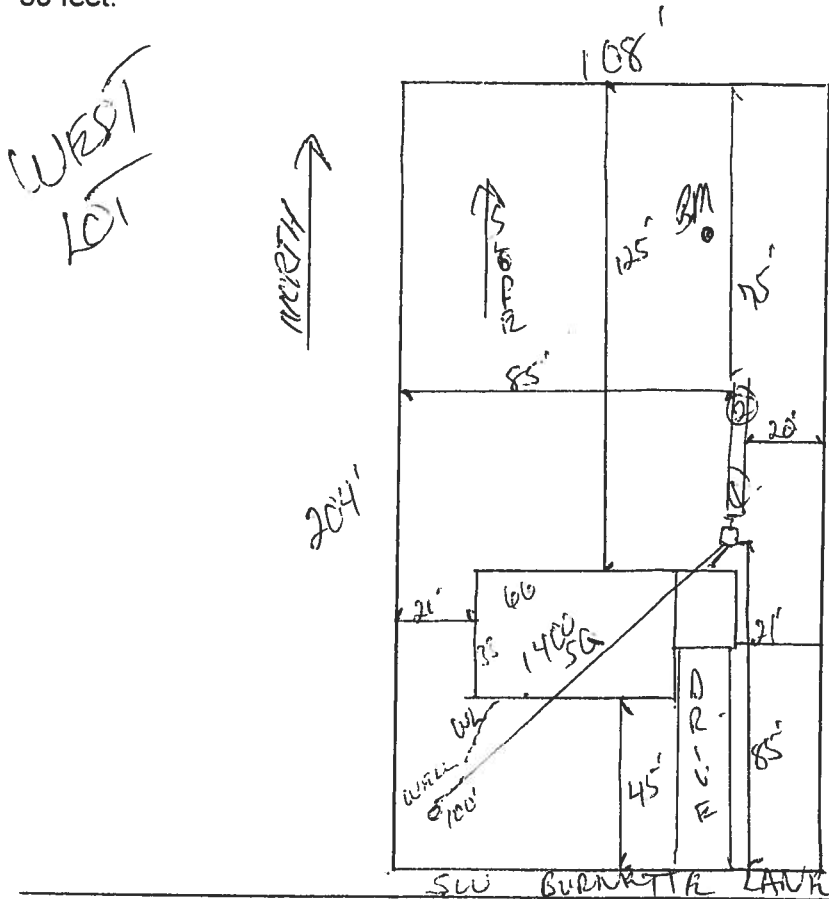


STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-00047N

----- PART II - SITEPLAN -----

Scale: 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Rock D 7-0 MASTER CONTRACTOR
Plan Approved ☒ Not Approved _____ Date 1-18-08
By John D. H. Colusia County Health Department

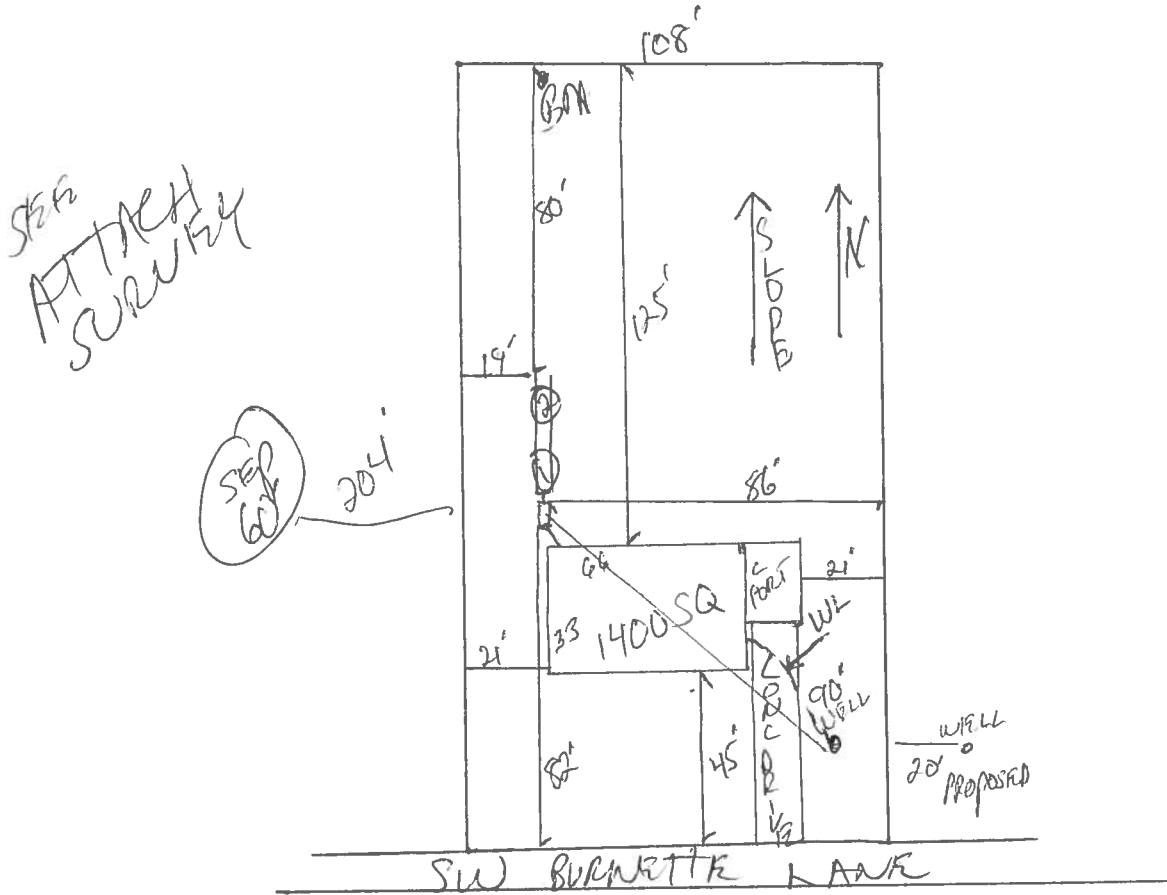
ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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

Permit Application Number _____

----- PART II - SITEPLAN -----

Scale: 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Rock D F MASTER CONTRACTOR
 Plan Approved _____ Not Approved _____ Date _____
 By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Residential Component Prescriptive Method B

NORTH 1 2 3

Compliance with Method B Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

| | | | |
|-------------------------------|---|-----------------------|---|
| PROJECT NAME: AND ADDRESS: | <u>Doca 1</u> <u>345 SW Burnett</u> <u>Lake City FL</u> | BUILDER: | <u>Mike Todd Construction</u> |
| OWNER: | <u>Mike Todd Construction</u> | PERMITTING OFFICE: | <u>Columbia Co.</u> |
| | | PERMIT NO.: | <u>25429</u> |
| | | CLIMATE ZONE: | 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> |
| | | JURISDICTION NO.: | <u>221000</u> |

GENERAL DIRECTIONS

1. New construction including additions which incorporates any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other non-vertical roof glass.
2. Choose one of the component packages "A" through "E" from Table 6B-1 by which you intend to comply with the Code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages", Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

1. Compliance package chosen (A-F)
2. New construction or addition
3. Single family detached or Multifamily attached
4. If Multifamily—No. of units covered by this submission
5. Is this a worst case? (yes / no)
6. Conditioned floor area (sq. ft.)
7. Predominant eave overhang (ft.)
8. Glass type and area :
 - a. Clear glass
 - b. Tint, film or solar screen
9. Percentage of glass to floor area
10. Floor type, area or perimeter, and insulation:
 - a. Slab on grade (R-value)
 - b. Wood, raised (R-value)
 - c. Wood, common (R-value)
 - d. Concrete, raised (R-value)
 - e. Concrete, common (R-value)
11. Wall type, area and insulation:
 - a. Exterior: 1. Masonry (Insulation R-value)
2. Wood frame (Insulation R-value)
 - b. Adjacent: 1. Masonry (Insulation R-value)
2. Wood frame (Insulation R-value)
12. Ceiling type, area and insulation:
 - a. Under attic (Insulation R-value)
 - b. Single assembly (Insulation R-value)
13. Air Distribution System: Duct insulation, location
Test report (attach if required)
14. Cooling system
(Types: central, room unit, package terminal A.C., gas, none)
15. Heating system:
(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)
16. Hot water system:
(Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)

Please Print

CK

| | | |
|-------|-----------------------------|---------------------|
| 1. | | |
| 2. | <u>NAW</u> | |
| 3. | <u>SINGLE</u> | |
| 4. | <u>0</u> | |
| 5. | <u>NO</u> | |
| 6. | <u>1346</u> | |
| 7. | <u>2</u> | |
| | Single Pane | Double Pane |
| 8a. | sq. ft. <u>162</u> | sq. ft. |
| 8b. | sq. ft. | sq. ft. |
| 9. | <u>12</u> % | |
| 10a. | R= <u>0</u> | lin. ft. |
| 10b. | R= | sq. ft. |
| 10c. | R= | sq. ft. |
| 10d. | R= | sq. ft. |
| 10e. | R= | sq. ft. |
| 11a-1 | R= | sq. ft. |
| 11a-2 | R= <u>13</u> | sq. ft. |
| 11b-1 | R= | sq. ft. |
| 11b-2 | R= | sq. ft. |
| 12a. | R= <u>30</u> | <u>1346</u> sq. ft. |
| 12b. | R= | sq. ft. |
| 13. | R= | |
| 14a. | Type: <u>CENTRAL</u> | |
| 14b. | SEER/EER: <u>12.2</u> | |
| 14c. | Capacity: <u>3 ton</u> | |
| 15a. | Type: <u>Heat Pump</u> | |
| 15b. | HSPF/COP/AFUE: | |
| 15c. | Capacity: <u>30 K BTU/H</u> | |
| 16a. | Type: <u>Elect.</u> | |
| 16b. | EF: <u>1.88</u> | |

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

PREPARED BY: [Signature] DATE: 2/11/06

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

OWNER AGENT: [Signature] DATE: 2/11/06

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

BUILDING OFFICIAL:

DATE:

TABLE 6B-1

MINIMUM REQUIREMENTS

Climate Zones 1 2 3

| COMPONENTS | | PACKAGES FOR NEW CONSTRUCTION | | | | |
|----------------------|------------------------------|--|----------------------------|-------------------|----------------------------|---------------------------------|
| GLASS | Max % of glass to Floor Area | A | B | C | D | E |
| | Type | Double Clear (DC) | Double Clear (DC) | Double Clear (DC) | Double Clear (DC) | Double Tint (DT) |
| | Overhang | 1'4" | 2' | 2' | 2' | 2' |
| WALLS | Masonry | EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE. | | | | |
| | Wood Frame | EXTERIOR, ADJACENT, AND COMMON WOOD FRAME WALLS R-11 | | | | |
| CEILING | | R-30 | R-30 | R-30 | R-30 | R-30 |
| | | (NO SINGLE ASSEMBLY CEILINGS ALLOWED) | | | | |
| FLOORS | Slab-On-Grade | R-0 | | | | |
| | Raised Wood | R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C) | | | | |
| | Raised Concrete | R-7 | | | | |
| DUCTS | | R-6 | R-6 | R-6, TESTED | R-6 | R-6, TESTED |
| SPACE COOLING (SEER) | | 12.0 | 10.5 | 12.0 | 11.0 | 12.0 |
| HEAT | Elect. (HSPF) | 7.9 | 7.1 | 7.4 | 7.4 | 7.4 |
| | Gas/Oil (AFUE) | MINIMUM OF .73 (Direct heating) or .78 (Central) | | | | |
| HOT WATER SYSTEM | Electric Resistance** | EF .88 | NOT ALLOWED (SEE BELOW) | EF .91 | NOT ALLOWED (SEE BELOW) | EF .91 |
| | Gas & Oil ** | MINIMUM EF OF .54 | | | | NATURAL GAS ONLY (SEE BELOW) |
| | Other | Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system. | | | | |

| TO BE INSTALLED | |
|--|--------------------------------|
| DC: <input checked="" type="checkbox"/> | DT: <input type="checkbox"/> |
| FEET | |
| EXT: R = | |
| ADJ: R = | |
| COM: R = | |
| EXT: R = 13 | |
| ADJ: R = | |
| COM: R = | |
| UNDER ATTIC: R = 30 | |
| COMMON: R = | |
| R = 0 | |
| R = | |
| R = | |
| R = 6 | COND. <input type="checkbox"/> |
| SEER = 12 | |
| COP = 7.9 | |
| AFUE = | |
| EF = 88 | |
| EF = | |
| DHP: <input checked="" type="checkbox"/> | EF = |
| HRU: <input type="checkbox"/> | |
| SOLAR: <input type="checkbox"/> | EF = |

* Single package units minimum SEER=9.7, HSPF = 6.6.

** Minimum efficiencies for gas and electric hot water systems apply to 40 gallon water heaters. Refer to Table 6-12 for minimum Code efficiencies for oil water heaters and other sizes.

DESCRIPTION OF BUILDING COMPONENTS LISTED

Percent of Glass to Floor Area: This percentage is calculated by dividing the total of all glass areas by the total conditioned floor area.

Overhang: The overhang is the distance the roof or soffit projects out horizontally from the face of the glass. All glass areas shall be under an overhang of at least the prescribed length with the following exceptions:

1) glass on the gabled ends of a house and 2) the glass in the lower stories of a multi-story house.

Wall, Ceiling and Floor Insulation Values: The R-values indicated represent the minimum acceptable insulation level added to the structural components of the wall, ceiling or floor. The R-value of the structural building materials shall not be included in this calculation. "Common" components are those separating conditioned tenancies in a multifamily building. "Adjacent" components separate conditioned space from unconditioned but enclosed space. "Exterior" components separate conditioned space from unconditioned and unenclosed space.

Floor: Slab-on-grade floors without edge insulation are acceptable. Raised wood floors shall have continuous stem walls with insulation placed on the stem wall or under the floor except Package C.

Ducts: "TESTED" shall mean the ducts have less than 5% leakage based on a certified test report by a State-approved tester.

Space Cooling System: Cooling systems shall have a Seasonal Energy Efficiency Ratio (SEER) for central units or Energy Efficiency Ratio (EER) for room units or PTAC's equal to or greater than the prescribed value.

Electric Space Heating Option: Heat pump systems shall be rated with a Heating Seasonal Performance Factor (HSPF) equal to or greater than the prescribed HSPF. Heat pump systems may contain electric strip backups meeting the criteria of section 608.1 ABC 3.2.1.2. No electric resistance space heat is allowed for these packages.

Electric Resistance Hot Water Option: For packages designated "Not Allowed", an electric resistance hot water system may be installed only in conjunction with one of the "Other Hot Water System Options". See below.

Other Hot Water System Options: Any dedicated heat pump, heat recovery unit, or solar hot water system may be installed. Solar systems must have an EF of 1.5 or higher. Electric resistance systems having an EF of .88 or greater, or natural gas systems with EF .54 or greater may be used in conjunction with these systems.

| TABLE 6B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES | | | |
|---|---------|--|-------------------------------------|
| COMPONENTS | SECTION | REQUIREMENTS | CHECK |
| Exterior Joints & Cracks | 606.1 | To be caulked, gasketed, weather-stripped or otherwise sealed. | <input checked="" type="checkbox"/> |
| Exterior Windows & Doors | 606.1 | Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area. | <input checked="" type="checkbox"/> |
| Sole & Top Plates | 606.1 | Sole plates and penetrations through top plates of exterior walls must be sealed. | <input checked="" type="checkbox"/> |
| Recessed Lighting | 606.1 | Type IC rated with no penetrations (two alternatives allowed). | <input checked="" type="checkbox"/> |
| Multi-story Houses | 606.1 | Air barrier on perimeter of floor cavity between floors. | <input checked="" type="checkbox"/> |
| Exhaust Fans | 606.1 | Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork. | <input checked="" type="checkbox"/> |
| Water Heaters | 612.1 | Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers. | <input checked="" type="checkbox"/> |
| Swimming Pools & Spas | 612.1 | Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump liner. Gas spa & pool heaters must have minimum thermal efficiency of 78%. | <input checked="" type="checkbox"/> |
| Hot Water Pipes | 612.1 | Insulation is required for hot water circulating systems (including heat recovery units). | <input checked="" type="checkbox"/> |
| Shower Heads | 612.1 | Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG. | <input checked="" type="checkbox"/> |
| HVAC Duct Construction, Insulation & Installation | 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 610.1. Ducts in attics must be insulated to a minimum of R-6. | <input checked="" type="checkbox"/> |
| HVAC Controls | 607.1 | Separate readily accessible manual or automatic thermostat for each system. | <input checked="" type="checkbox"/> |

155B

This Instrument Prepared by & return to:
Name: KIM WATSON, an employee of
TITLE OFFICES, LLC
Address: 1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
File No. 06Y-02110KW

Parcel I.D. #: 03181-010

Inst: 2006018329 Date: 08/02/2006 Time: 16:36

Doc Stamp-Deed: 0.70

DC, P. Dewitt Cason, Columbia County B: 1091 P: 1505

SPACE ABOVE THIS LINE FOR PROCESSING DATA

THIS CORRECTIVE WARRANTY DEED Made the 25th day of JULY, A.D. 2006, by DENNIS LUSTIG and PATSY A. LUSTIG, HIS WIFE, hereinafter called the grantor, to FRANK A. TODD, III and REBECCA TODD, HIS WIFE, and JOSHUA M. TODD, AS JOINT TENANTS WITH RIGHTS OF SURVIVORSHIP, whose post office address is 207 PALMETTO ROAD, LAKE CITY, FLORIDA 32055, hereinafter called the grantees:

(Wherever used herein the terms "grantors" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in Columbia County, State of Florida, viz:

COMMENCE AT THE SE CORNER OF THE NE 1/4 OF THE NE 1/4 OF SECTION 26, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 89°40'52" W, 461.64 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S 89°40'52" W, 108.79 FEET; THENCE S 01°58'12" E, 204.44 FEET; THENCE N 89°36'52" E, 108.79 FEET; THENCE N 01°58'15" W, 204.32 FEET TO THE POINT OF BEGINNING

AND

COMMENCE AT THE SE CORNER OF THE NE 1/4 OF THE NE 1/4 OF SECTION 26, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 89°40'52" W, 570.43 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S 89°40'52" W, 108.71 FEET; THENCE S 01°58'08" E, 204.57 FEET; THENCE N 89°36'52" E, 108.71 FEET; THENCE N 01°58'12" W, 204.44 FEET TO THE POINT OF BEGINNING.

THIS IS A CORRECTIVE DEED GIVEN TO CORRECT LEGAL DESCRIPTION IN THAT CERTAIN DEED RECORDED IN OFFICIAL RECORDS BOOK 1077, PAGE 1416.


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

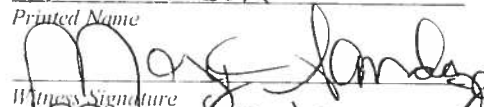
To Have and to Hold the same in fee simple forever.

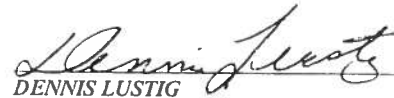
And the grantor hereby covenants with said grantees that he/she is lawfully seized of said land in fee simple; that he/she has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.


In Witness Whereof, the said grantor has signed and sealed these presents, the day and year first above written. Any words referring to the Grantor, whether singular or plural, regardless of gender, shall be construed to include all Grantors named above.

Signed, sealed and delivered in the presence of:


Witness Signature
Kim Watson
Printed Name



Witness Signature
Mary Sandage
Printed Name


DENNIS LUSTIG L.S.
Address:
334 SW ZEBRA TERRACE, LAKE CITY, FLORIDA
32024


PATSY A. LUSTIG L.S.
Address:
334 SW ZEBRA TERRACE, LAKE CITY, FLORIDA
32024

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 14th day of March, 2006, by DENNIS LUSTIG
and PATSY A. LUSTIG, who are known to me or who have produced driver license as
identification



Notary Public

My commission expires _____



KIM WATSON
MY COMMISSION # DD 223748
EXPIRES: August 1, 2007
Bonded Thru Budget Notary Services

Inst:2006018329 Date:08/02/2006 Time:16:36

Doc Stamp-Deed : 0.70

DC, P. Dewitt Cason, Columbia County B:1091 P:1506



ELK



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

Prestique Plus High Definition and Prestique Gallery Collection™

Product size 13 1/2" x 39 1/2"
Exposure 5 1/2"
Pieces/Bundle 16
Bundles/Square 4/99.6 sq.ft.
Squares/Pallet 11

50-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Raised Profile

Product size 13 1/2" x 38 1/2"
Exposure 5 1/2"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 15

30-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Prestique I High Definition

Product size 13 1/2" x 39 1/2"
Exposure 5 1/2"
Pieces/Bundle 16
Bundles/Square 4/99.6 sq.ft.
Squares/Pallet 14

40-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 8"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Prestique High Definition

Product size 13 1/2" 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:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Elk Starter Strip

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

Available Colors: 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 roofing products contain Elk WindGuard® sealant. WindGuard 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 SteinGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

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 meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.

**Check for product availability.

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"

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 alone is a problem, shingles shall be

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 800-254-5252 (7777).

19.32mm) 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.

(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.

or e-mail specinfo@elkcorp.com.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

ELK 
www.elkcorp.com

SSOCT 01/02

LAMAR BOOZER
900 EAST PUTNAM STREET
LAKE CIT, FLORIDA 32055

PROJECT: ZEBRA COURT #2
CLIENT: MIKE TODD
DATE: JUNE 29, 2006

RESIDENTIAL/ LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: MIKE TODD
ADDRESS: 129 N.E. COLBURN AVENUE
LAKE CITY, FL 32055

TOTAL BUILDING LOADS:

| BLDG LOAD DESCRIPTION | AREA QUAN | SEN. LOSS | LAT. GAIN | + | SEN. GAIN | = | TOTAL GAIN |
|--|--------------|--------------|--------------|---|------------------------------|---|---------------|
| 3-C WINDOW DBL PANE CLR GLS METL FR | 148 | 4,828 | 0 | | 9,694 | | 9,694 |
| 9-I FRENCH DOOR DBL CLR GLS METL FR | 80 | 2,715 | 0 | | 5,792 | | 5,792 |
| 12-D WALL R-11 = 1/2" ASPHLT BRD (R-1.3) | 1,277 | 4,597 | 0 | | 2,513 | | 2,513 |
| 11-C DOOR METAL POLYSTRENE CORE | 57 | 1,206 | 0 | | 659 | | 659 |
| 16-G CEILING R- 30 INSULATION | 1,716 | 2,548 | 0 | | 2,548 | | 2,548 |
| 22-A SLAB ON GRADE NO EDGE INSUL | 208 | 7,581 | 0 | | 0 | | 0 |
| SUBTOTALS FOR STRUCTURE: | 3,486 | 23,475 | 0 | | 21,206 | | 21,206 |
| PEOPLE | 20 | 0 | 0 | | 6,000 | | 6,000 |
| APPLIANCES | 0 | 0 | 1,800 | | 1,500 | | 1,500 |
| DUCTWORK | 0 | 1,174 | 0 | | 2,871 | | 2,871 |
| INFILTRATION W.CFM: 0.0 S.CFM: 0.0 | 0 | 0 | 0 | | 0 | | 0 |
| VENTILATION W.CFM: 0.00 S.CFM: 0.00 | 0 | 0 | 0 | | 0 | | 0 |
| SENSIBLE GAIN TOTALS | | | | | 31,577 | | |
| TEMP. SWING MULTIPLIER | | | | | X 1.00 | | |
| BUILDING LOAD TOTALS | | 24,649 | 1,800 | | 31,577 | | 33,377 |
| SUPPLY CFM AT 20 DEG DT: 1435 | | | | | CFM PER SUARE FOOT: 0.836 | | |
| SQUARE FT. OF ROOM AREA: 1400 | | | | | SQUARE FOOT PER TON: 616.925 | | |

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 24.649 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 2.781 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

LAMAR BOOZER
900 EAST PUTNAM STREET
LAKE CIT, FLORIDA 32055

PROJECT: ZEBRA COURT #2
CLIENT: MIKE TODD
DATE: JUNE 29, 2006

RESIDENTIAL/ LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: MIKE TODD
ADDRESS: 129 N.E. COLBURN AVENUE
LAKE CITY, FL 32055

TOTAL BUILDING LOADS:

| BLDG LOAD DESCRIPTION | AREA QUAN | SEN. LOSS | LAT. GAIN | + | SEN. GAIN | = | TOTAL GAIN |
|--|--------------|--------------|--------------|---|--------------|---|---------------|
| 3-C WINDOW DBL PANE CLR GLS METL FR | 148 | 4,828 | 0 | | 9,694 | | 9,694 |
| 9-I FRENCH DOOR DBL CLR GLS METL FR | 80 | 2,715 | 0 | | 5,792 | | 5,792 |
| 12-D WALL R-11 = ½" ASPHLT BRD (R-1.3) | 1,277 | 4,597 | 0 | | 2,513 | | 2,513 |
| 11-C DOOR METAL POLYSTRENE CORE | 57 | 1,206 | 0 | | 659 | | 659 |
| 16-G CEILING R- 30 INSULATION | 1,716 | 2,548 | 0 | | 2,548 | | 2,548 |
| 22-A SLAB ON GRADE NO EDGE INSUL | 208 | 7,581 | 0 | | 0 | | 0 |
| SUBTOTALS FOR STRUCTURE: | 3,486 | 23,475 | 0 | | 21,206 | | 21,206 |
| PEOPLE | 20 | 0 | 0 | | 6,000 | | 6,000 |
| APPLIANCES | 0 | 0 | 1,800 | | 1,500 | | 1,500 |
| DUCTWORK | 0 | 1,174 | 0 | | 2,871 | | 2,871 |
| INFILTRATION W.CFM: 0.0 S.CFM: 0.0 | 0 | 0 | 0 | | 0 | | 0 |
| VENTILATION W.CFM: 0.00 S.CFM: 0.00 | 0 | 0 | 0 | | 0 | | 0 |
| SENSIBLE GAIN TOTALS | | | | | 31,577 | | |
| TEMP. SWING MULTIPLIER | | | | | X 1.00 | | |
| BUILDING LOAD TOTALS | | 24,649 | 1,800 | | 31,577 | | 33,377 |

SUPPLY CFM AT 20 DEG DT: 1435 CFM PER SUARE FOOT: 0.836
SQUARE FT. OF ROOM AREA: 1400 SQUARE FOOT PER TON: 616.925

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 24.649 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 2.781 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

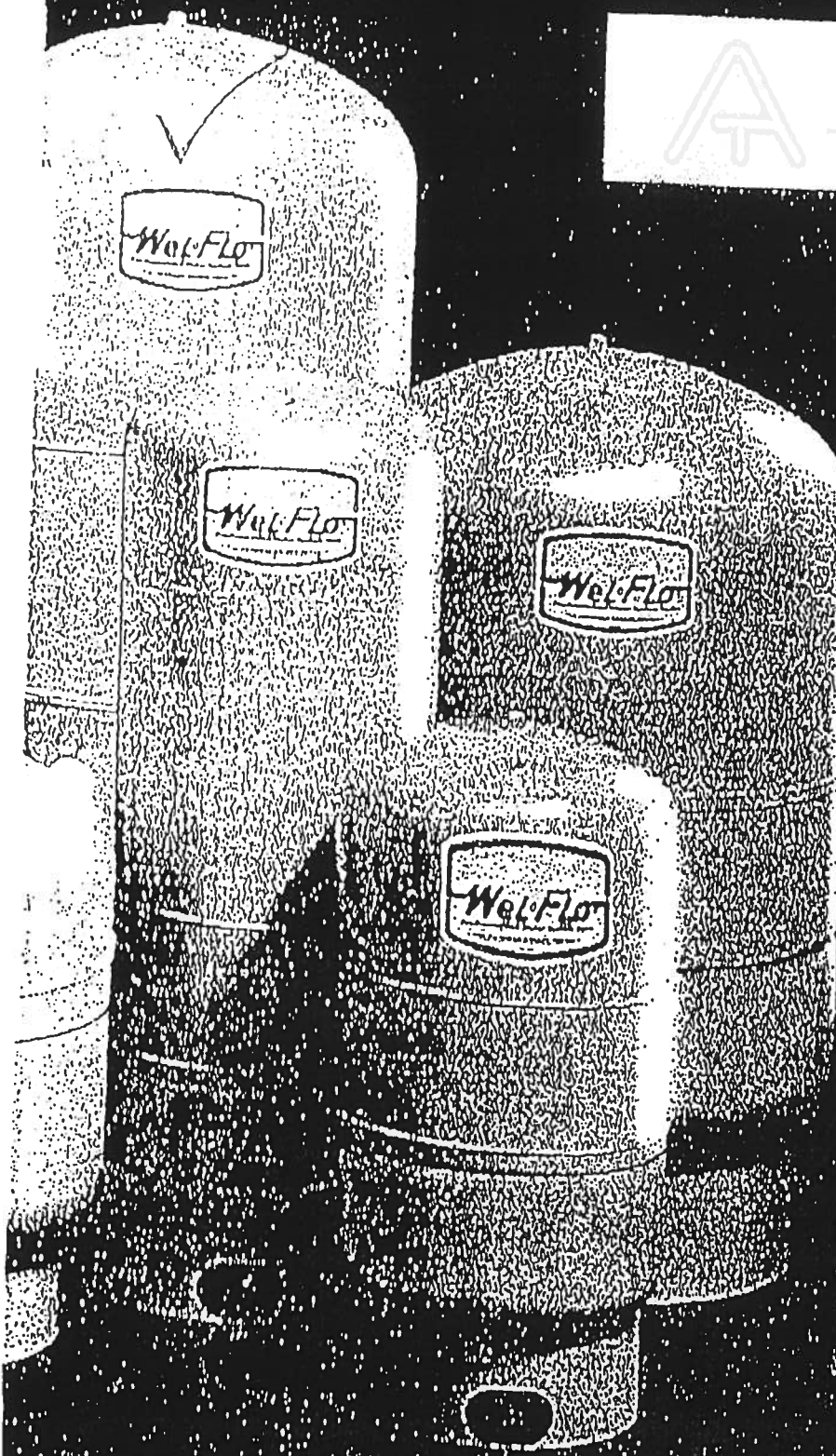


AMTROL INC.

WEL-FLO®

**Pre-pressurized
Water System Tanks**

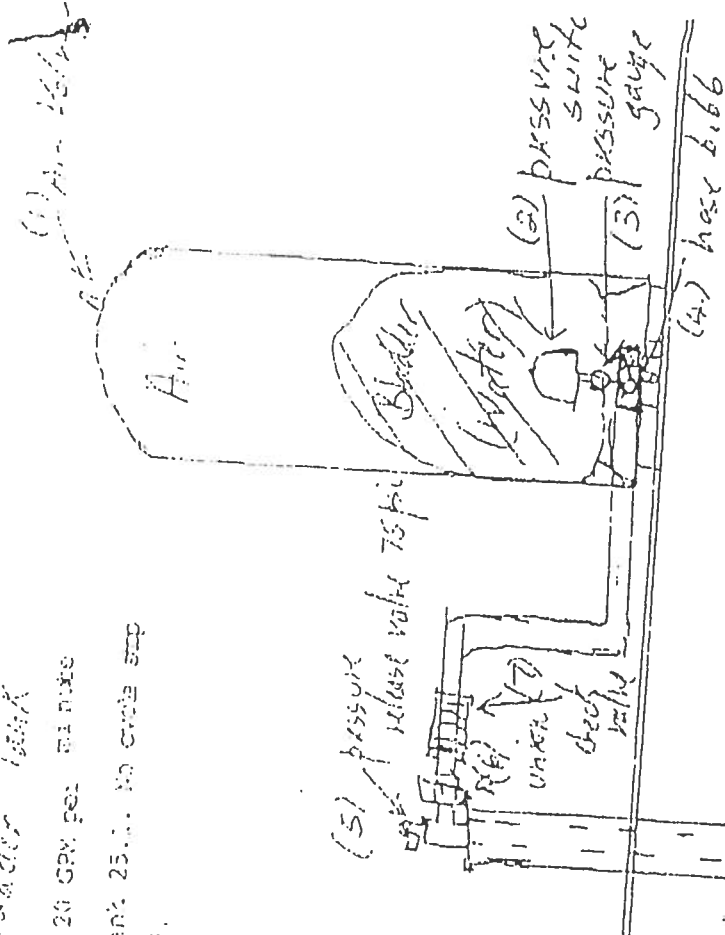
- Proven Diaphragm Design
- Tough Glass Finish
- Sizes from 14 to 119 Gallons
- Outstanding Value



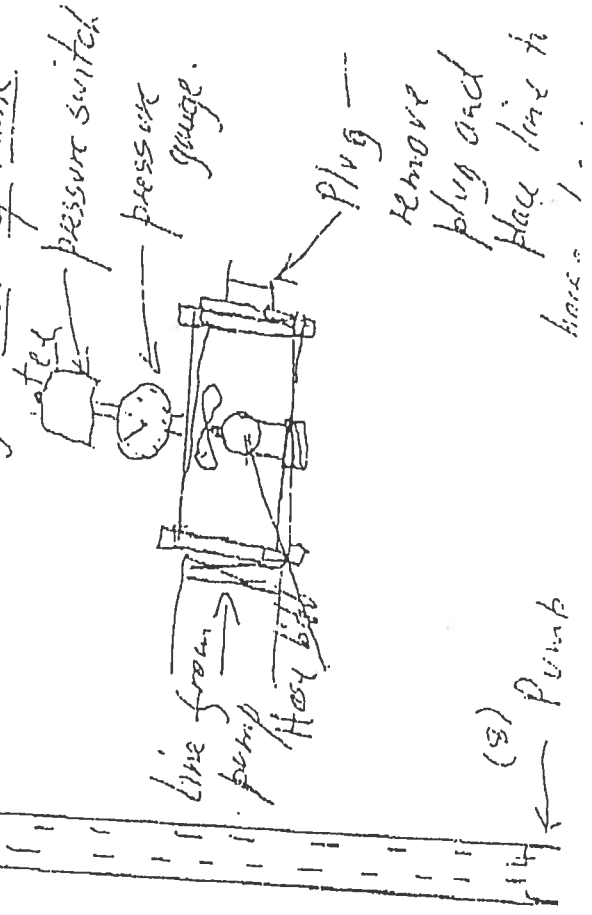
1. Air Valve. Allows air to be put into tank. Must be at or 2 psi below cut-in pressure with tank empty.
2. Pressure switch. Sets cut-in and cut-off pressure for pump.
3. Pressure gauge. Shows actual pressure in tank.
4. Hose bibb. May be used to drain tank or for watering purposes.
5. Pressure release valve. Safety device to prevent explosion of tank.
- Union. Used to separate tank from well.
- Check valve. Prevents water from running back down well.
- Pump. Pushes water up from well into tank.

Bladder Tank

1 HP pump has a 20 GPM per minute draw rate on tank 25 ft. No cycle stop valve will be used.



Enlarged view of tank





**AAMA/WDMA 101/I.S. 2-97
TEST REPORT**

Rendered to:

JORDAN COMPANIES

**SERIES/MODEL: 8500
TYPE: PVC Single Hung Window**

| Title of Test | Results |
|---------------------------------------|--------------------------|
| AAMA/WDMA Rating | H-R40 (44 x 84) |
| Uniform Load Deflection Test Pressure | ± 40.0 psf |
| Operating Force | 10 lbs max. |
| Air Infiltration | 0.21 cfm/ft ² |
| Water Resistance Test Pressure | 5.00 psf |
| Uniform Load Structural Test Pressure | ± 60.0 psf |
| Deglazing | Passed |
| Forced Entry Resistance | Grade 10 |

Reference should be made to full report for test specimen description and data.

Report No: 02-48976.02
Report Date: 02-26-04
Expiration Date: 02-25-08

849 Western Avenue North
Saint Paul, Minnesota 55117-3245
phone: 651.836.3635
fax: 652.636.3643
www.archtest.com



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

Rendered to:

JORDAN COMPANIES
P.O. Box 18377
Memphis, Tennessee 38118

Report No: 02-48976.02
Test Date: 02/25/04
Report Date: 02/26/04
Expiration Date: 02/25/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Jordan Companies to perform tests on a Jordan Companies Series 8500 Single Hung Window. The sample tested successfully met the performance requirements for a H-R40 44 x 84 rating. Test specimen description and results are reported herein.

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

Test Specimen Description:

Series/Model: 8500

Type: PVC Single Hung Window

Overall Size: 3' 8" wide by 7' 0" high

Sash Size: 3' 4-3/8" wide by 2' 5" high

Fixed D.L.O. Size: 3' 4-3/4" wide by 4' 5" high

Screen Size: 3' 4-3/4" wide by 2' 4-1/4" high

Finish: All PVC was white

849 Western Avenue North
Saint Paul, Minnesota 55117-5245
phone: 651.838.3835
fax: 652.636.3843
www.architest.com

Test Specimen Description: (Continued)

Glazing Type: The window utilized nominal 3/4" insulating glass comprised of two single-strength annealed sheets in the operating sash and two double-strength sheets in the fixed lite and a desiccant-filled metal spacer system. The glass for the fixed area was set from the interior into a bed of silicone sealant with PVC stops used on the interior. The sash was glazed from the exterior into a bed of silicone sealant with PVC stops used on the exterior.

Weatherstripping:

| <u>Description</u> | <u>Quantity</u> | <u>Location</u> |
|--|-----------------|---------------------------|
| 0.260" high by 0.187" backed pile with center fin | 1 Row | Sash top and bottom rails |
| 0.260" high by 0.187" backed pile with center fin | 2 Rows | Sash stiles |

Frame Construction: Frame corners were miter-cut and welded. Aluminum reinforcement was utilized in the fixed meeting rail (Jordan part number H-2447).

Sash Construction: Sash corners were miter-cut and welded. Aluminum reinforcement was utilized in the top rail (Jordan part number H-2448).

Hardware:

| | | |
|---------------------------------|---|-------------------------------|
| Metal cam locks with keepers | 2 | 6" from ends and meeting rail |
| Plastic tilt latches | 2 | Sash top rail corners |
| Metal tilt pins | 2 | Sash bottom rail corners |
| Block-and-tackle balances | 2 | One per jamb |

Drainage:

| | | |
|---------------------|---|---|
| 3/16" by 5/8" slots | 2 | 1-3/4" from ends in sill pocket to hollow below |
| 1/8" by 1/2" slots | 4 | 1-3/4" and 2" from each end through sill exterior face |

Installation: The unit was installed into a Grade 2 SPF 2" by 8" wood test buck secured through the flange with 1-5/8" screws spaced 4" from corners and 8" on center. The nail fin was sealed to the buck with silicone.

Test Results: The results are tabulated as follows.

| <u>Paragraph</u> | <u>Title of Test</u> | <u>Results</u> | <u>Allowed</u> |
|--|---|--------------------------|--------------------------|
| 2.2.1.6.1 | Operating Force | | |
| | Force to initiate motion | 10 lbs | 30 lbs max. |
| | Force to keep in motion | 8 lbs | 30 lbs max. |
| 2.1.2 | Air Infiltration per ASTM E 283-97 (See Note #1) @ 1.57 psf (25 mph) | 0.21 cfm/ft ² | 0.30 cfm/ft ² |
| <i>Note #1: The tested specimen meets the performance levels specified in AAMA/WDMA 101/I.S.2-97 for air infiltration.</i> | | | |
| 2.1.3 | Water Resistance per ASTM 547-97 (See Note #2) | | |
| 2.1.4.1 | Uniform Load Deflection per ASTM E 330-97 (See Note #2) | | |
| 2.1.4.2 | Uniform Load Structural per ASTM E 330-97 (See Note #2) | | |
| <i>Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance."</i> | | | |
| 2.2.1.6.2 | Deglazing Test per ASTM E 987 | | |
| | In operating direction @ 70 lbs | | |
| | Top rail | 0.04"/8% | 0.500"/100% |
| | Bottom rail | 0.06"/12% | 0.500"/100% |
| | In remaining direction @ 50 lbs | | |
| | Left stile | 0.04"/8% | 0.500"/100% |
| | Right stile | 0.03"/6% | 0.500"/100% |
| 2.1.7 | Corner Weld Test | Meets as stated | Meets as stated |
| 2.1.8 | Forced Entry Resistance per ASTM F 588-97 | | |
| | Type A | | |
| | Grade 10 | | |
| | Lock Manipulation Test | No entry | No entry |
| | Tests A1 through A7 | No entry | No entry |
| | Lock Manipulation Test | No entry | No entry |

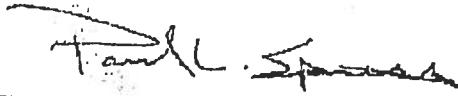
Test Results: (Continued)

| <u>Paragraph</u> | <u>Title of Test</u> | <u>Results</u> | <u>Allowed</u> |
|------------------------------|---|----------------|--------------------------------|
| <u>Optional Performance:</u> | | | |
| 4.3 | Water Resistance per ASTM E 547-97 WTP = 6.00 psf | No leakage | No leakage |
| 4.4.1 | Uniform Load Deflection per ASTM E 330-97 (See Note #3) (Measurements reported were taken on the meeting rail) (Loads were held for 60 seconds) @ 40.0 psf (positive) @ 40.0 psf (negative) | 0.45" 0.52" | (See Note #3) (See Note #3) |
| 4.4.2 | Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 60.0 psf (positive) @ 60.0 psf (negative) | 0.03" 0.03" | 0.16" max. 0.16" max. |

Note #3: The Uniform Load Deflection test is not a AAMA/NWFA 101/L.S. 2-97 requirement for this product designation. The data is recorded in this report for information only.

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. This report may not be reproduced except in full without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.


Digitally Signed by: Paul L. Spiess

Paul L. Spiess
Project Manager


Digitally Signed by: Daniel A. Johnson

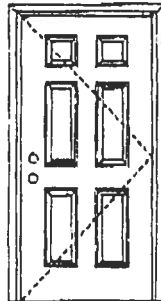
Daniel A. Johnson
Regional Manager

DAJ/jb
02-48976.02

X

Opaque Inswing Unit

COP-WL-JH4101-02

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".



Test Data Review Certificate #3026447A and COP/WL Report Validation Matrix #3026447A-001 provides additional information - available from the ITA/ATM website (www.st34mfr.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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

Design Pressure
+66.0/-66.0

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) IS NOT REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

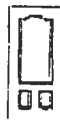
Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



16-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 8-panel with scroll

Johnson™
EntrySystems

June 17, 2002
Our continuing program of product improvement allows continual improvement and product details subject to change without notice.



Reunited from
Masonite®
Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

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.

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 polycarbonate 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. Bath

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

Masonite Masonry



Test Data Review Certificate #302647A
and COP/Tech Report Validation. With
#302647A-COI provides additional
information - available from the ITSAAN
website (www.itsaan.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

Johnson
EntrySystems

June 17, 2002

Our evaluating process of product in statement makes specifications, design and product
certification to ensure without error.

PREMDOR
Premium Quality Doors



Exclusively from
Masonite

Masonite International Corporation



**NICHOLAS
PAUL
GEISLER
ARCHITECT**
N.C.A.R.B. Certified

■ 1758 NW Brown Road
■ Lake City, FL 32055
■ 386/755-9021

FLORIDA BUILDING CODE SECTION 1609

COMPLIANCE SUMMARY

PROJECT: ZEBRA COURT-2, COLUMBIA COUNTY, FL (100 WIND ZONE)

TYPE OF CONSTRUCTION

ROOF: Hip Construction, Wood Trusses @ 24" O.C., SYP
WALLS: 2x4 Wood Studs @ 16" O.C.
FLOOR: 4" Thk. Conc. Slab, w/ Fibermesh concrete additive
FOUNDATION: Continuous Footer/Stemwall
EDGE STRIP: 3.0 ft. END ZONE: 6.0 ft.

ROOF DECKING

MATERIAL: 7/16" O.S.B.
SHEET SIZE: 48"x96" Sheets Placed Perpendicular to Roof Framing
FASTENERS: 8d Common Nails @ 5" O.C. Ends, 10" O.C. Interior

SHEAR WALLS

MATERIAL: 7/16" O.S.B. "WindStorm Sheathing"
SHEET SIZE: 48"x97 1/8" Sheets Placed Vertical
FASTENERS: 8d Common Nails @ 5" O.C. Edges, 10" O.C. Interior
DRAGSTRUT: Dbl. Top Plate Nailed w/ 16d Nails @ 16" O.C.
WALL STUDS: S-P-F Nr. 2 and better, 2x4 Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

TRUSS CLIPS: "Simpson" H9
WALL TENSION: 1/2" CDX plywd. w/ 8d Common Nails @ 4" O.C. Edges,
8" O.C. Interior for all exterior non-shear walls
HOLD-DOWN CONNECTORS: A307 Bolts, within 6" of corners
WALL SILL: 1/2" x 10" AB, w/ 2" washers @ 48" o.c., 7" embedment
CORNER HOLD-DOWN DEVICE: "SIMPSON" HTT16, Ea. Corner

FOOTINGS AND FOUNDATIONS

HOUSE FOOTINGS: 20"x10" Continuous w/ 2 - #5 Rebars
HOUSE STEMWALL: 8" CMU w/ #5 Rebar Dowels Gd. 40, @ 72" O.C.
CONCRETE: Fc = 2500 p.s.i. or greater

PREPARER'S CERTIFICATION

I hereby certify that the attached Wind Load Design and Analysis
calculations are in compliance with the Florida Building Code,
Section 1606, to the best of my knowledge and belief.


Nicholas Paul Geisler, Architect AR0007005

Date: 27 June 2006

Data entry by: MT Date: 06 01 06

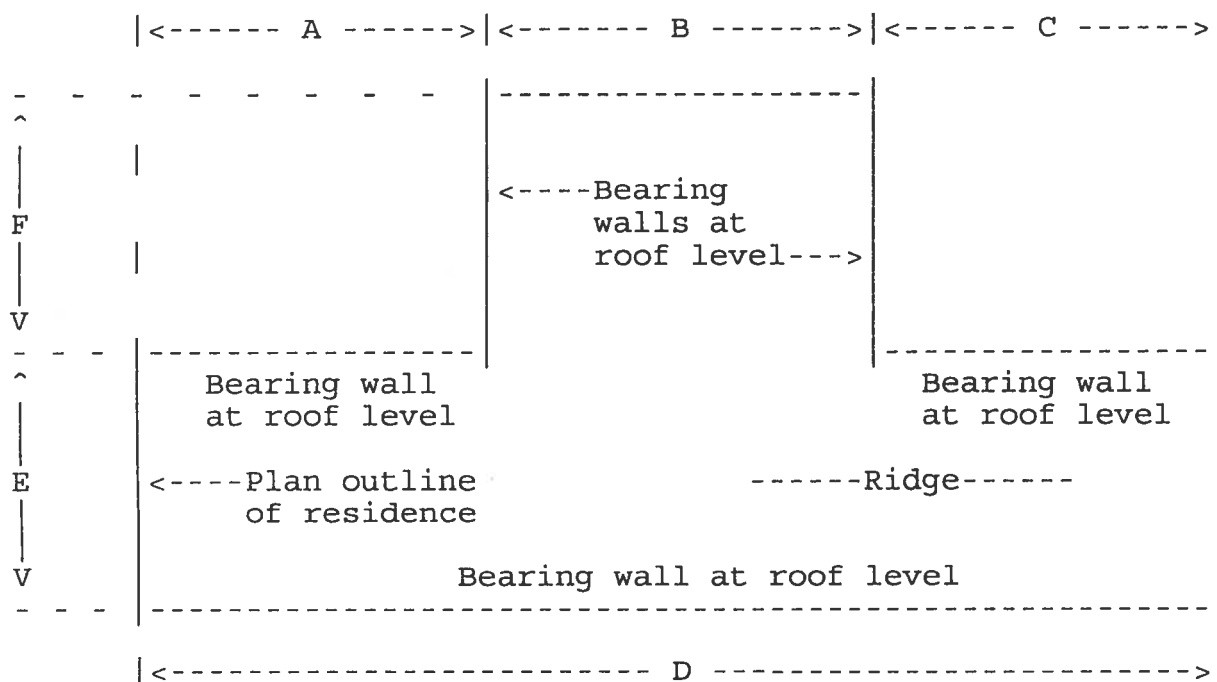
Project name: ZEBRA CT. 2
Location : COLUMBIA COUNTY

R E S I D E N T I A L W I N D D E S I G N A N D A N A L Y S I S

A product of EDA Software, Inc.
Based on the Standard Building Code, 1994 edition

**** GENERAL INPUT DATA ****

Permanent construction
T-shaped building



All dimensions are out to out of studs.

Dimension A = 11 feet
Dimension B = 20.5 feet
Dimension C = 26.5 feet
Dimension D = 58 feet
Dimension E = 28 feet
Dimension F = 4 feet

Roof overhang in long direction from outer face of stud = 2 feet generally
Roof overhang at short end wall from outer face of stud = 2 feet generally
Height of exterior wall to top of plate on long side = 8 feet constant
Roof cross slope = 6 /12

Wind velocity = 100 mph

**** DEGREE OF ENCLOSURE ****

Assume that this building is an 'Enclosed building' per Code 1606.2.3.

Handwritten signature
AK7005 27 June 2006

**** STRUCTURAL FRAMING INPUT DATA ****

*** Roof Structural Data ***

Member number 1

Jack truss--hip-ended roof

Span length out to out of supports = 28 feet

Roof cross slope = 6 /12

Truss spacing = 24 inches

Overhang = 2 feet

Member number 2

Jack truss--hip-ended roof

Span length out to out of supports = 20.5 feet

Roof cross slope = 6 /12

Truss spacing = 24 inches

Overhang = 2 feet

*** Wall Structural Data ***

Spacing of wall studs = 16 inches

Total number of plates = 3

Wall stud number 1 is 8 feet high out to out of plates

COEFFICIENTS AND PRESSURES
Main Wind Force Resisting Systems

Actual pressure = Velocity pressure x Use factor x Coefficient

Wind velocity is 100 mph

Mean roof height is 11.87268 feet

Velocity pressure is 20.4 psf

Use factor is 1.0

Roof cross slope is 6 on 12, which equals 26.56505 degrees to horizontal

End zone width is 6 feet

| | Coefficient | Design Pressure (psf) |
|--------------------|-------------|-----------------------|
| ----- | | |
| End zone | | |
| Windward wall (1E) | .7 | 14.28 |
| Windward roof (2E) | -1 | -20.4 |
| Leeward roof (3E) | -1 | -20.4 |
| Leeward wall (4E) | -.95 | -19.38 |
| Overhang | -1.5 | -30.6 |
| Interior zone | | |
| Windward wall (1) | .4 | 8.16 |
| Windward roof (2) | -.75 | -15.3 |
| Leeward roof (3) | -.75 | -15.3 |
| Leeward wall (4) | -.7 | -14.28 |
| Overhang | -1.5 | -30.6 |

ROOF LOADING--Roof Number 1 (pounds per square foot)

Roof cross slope = 6 inches per foot

| | |
|---|------------|
| ----- | |
| Fiberglass shingles 240 # per square and 1 layer of 15 # felt | = 2.55 |
| No insulation | |
| 7/16 in. roof sheathing | = 1.31 |
| 2 in. x 4 in. wood trusses at 24 in. spacing | = 2.215147 |
| ----- | |
| Total roof unit weight on slope | = 6.075148 |
| Cosine of roof cross slope | = .8944272 |
| ----- | |
| Roof unit weight on horizontal | = 6.792222 |
| 1 layer of 1/2 in. gypsum board ceiling--plain | = 2 |
| Ceiling insulation R-30 | = .5 |
| Air-conditioning ductwork | = 1 |
| Full lighting | = .3 |
| Miscellaneous | = 0 |
| ===== | |
| Total | = 10.59222 |

Roof Unit Dead Load = 11 psf

Roof dead load supported generally by wall = 159.7911 plf

ROOF LOADING--Roof Number 2 (pounds per square foot)

Roof cross slope = 6 inches per foot

| | |
|---|------------|
| ----- | |
| Fiberglass shingles 240 # per square and 1 layer of 15 # felt | = 2.55 |
| No insulation | |
| 7/16 in. roof sheathing | = 1.31 |
| 2 in. x 4 in. wood trusses at 24 in. spacing | = 2.215147 |
| ----- | |
| Total roof unit weight on slope | = 6.075148 |
| Cosine of roof cross slope | = .8944272 |
| ----- | |
| Roof unit weight on horizontal | = 6.792222 |
| 1 layer of 1/2 in. gypsum board ceiling--plain | = 2 |
| Ceiling insulation R-30 | = .5 |
| Air-conditioning ductwork | = 1 |
| Full lighting | = .3 |
| Miscellaneous | = 0 |
| ===== | |
| Total | = 10.59222 |

Roof Unit Dead Load = 11 psf

Roof dead load supported generally by wall = 159.7911 plf

ROOF LOADING--Roof Number 3 (pounds per square foot)

Roof cross slope = 6 inches per foot

| | |
|---|------------|
| ----- | |
| Fiberglass shingles 240 # per square and 1 layer of 15 # felt | = 2.55 |
| No insulation | |
| 7/16 in. roof sheathing | = 1.31 |
| 2 in. x 4 in. wood trusses at 24 in. spacing | = 2.215147 |
| ----- | |
| Total roof unit weight on slope | = 6.075148 |
| Cosine of roof cross slope | = .8944272 |
| ----- | |
| Roof unit weight on horizontal | = 6.792222 |
| 1 layer of 1/2 in. gypsum board ceiling--plain | = 2 |
| Ceiling insulation R-30 | = .5 |
| Air-conditioning ductwork | = 1 |
| Full lighting | = .3 |
| Miscellaneous | = 0 |
| ===== | |
| Total | = 10.59222 |

Roof Unit Dead Load = 11 psf

Roof dead load supported generally by wall = 159.7911 plf

ROOF LOADING--Roof Number 4 (pounds per square foot)

Roof cross slope = 6 inches per foot

| | |
|---|------------|
| ----- | |
| Fiberglass shingles 240 # per square and 1 layer of 15 # felt | = 2.55 |
| No insulation | |
| 7/16 in. roof sheathing | = 1.31 |
| 2 in. x 4 in. wood trusses at 24 in. spacing | = 2.215147 |
| ----- | |
| Total roof unit weight on slope | = 6.075148 |
| Cosine of roof cross slope | = .8944272 |
| ----- | |
| Roof unit weight on horizontal | = 6.792222 |
| 1 layer of 1/2 in. gypsum board ceiling--plain | = 2 |
| Ceiling insulation R-30 | = .5 |
| Air-conditioning ductwork | = 1 |
| Full lighting | = .3 |
| Miscellaneous | = 0 |
| ===== | |
| Total | = 10.59222 |

Roof Unit Dead Load = 11 psf

Roof dead load supported generally by wall = 159.7911 plf

ROOF MEMBER DEAD LOAD REACTIONS AT BEARINGS

All values are in pounds

| | | |
|----------------------|--|-----|
| Roof member number 1 | --Span 28 feet, Slope 6 /12, interior zone---- | 319 |
| Roof member number 2 | --Span 28 feet, Slope 6 /12, end zone----- | 319 |
| Roof member number 3 | --Span 20.5 feet, Slope 6 /12, interior zone---- | 240 |
| Roof member number 4 | --Span 20.5 feet, Slope 6 /12, end zone----- | 240 |

EXTERIOR WALL LOADING (pounds per linear foot)

| | |
|---|------------|
| Wood frame wall-- 8 ft. out to out plates | |
| 3--2 in. x 4 in. plates | = 2.865625 |
| 2 in. x 4 in. studs at 16 in. spacing | = 5.462598 |
| R-13 Insulation | = 1.90625 |
| Brick veneer siding | = 373.3333 |
| 1/2 in. Gypsum board--Total 1 layer--- | = 16 |
| ===== | |
| Total | = 399.5678 |

Exterior Wall Unit Dead Load = 400 plf

S U M M A R Y O F H U R R I C A N E A N C H O R A N A L Y S I S

All values of forces are in pounds. Resistances have been increased for wind.
End zone width = 6 feet

Code: C = Compliance

N = Non-compliance

Simpson hurricane anchors

Member 1 --Hip roof--Span 28 feet, at 24 inches oc--in interior zone:
Uplift = 771 Dead = 319 Net = 452 Model Special, Resistance = 717 C
Model H9--all nails installed per manufacturers catalog
Data supplied by operator--not from EDA database

Member 2 --Hip roof--Span 28 feet, at 24 inches oc--in end zone:
Uplift = 771 Dead = 319 Net = 452 Model Special, Resistance = 717 C
Model H9--all nails installed per manufacturers catalog
Data supplied by operator--not from EDA database

Member 3 --Hip roof--Span 20.5 feet, at 24 inches oc--in interior zone:
Uplift = 604 Dead = 240 Net = 364 Model Special, Resistance = 717 C
Model H9--all nails installed per manufacturers catalog
Data supplied by operator--not from EDA database

Member 4 --Hip roof--Span 20.5 feet, at 24 inches oc--in end zone:
Uplift = 604 Dead = 240 Net = 364 Model Special, Resistance = 717 C
Model H9--all nails installed per manufacturers catalog
Data supplied by operator--not from EDA database

**** ANALYSIS OF ROOF SHEATHING AS SHEAR DIAPHRAGM TRANSVERSE ****
Shear analysis applies along supporting shearwalls.

Roof trusses are Southern Pine lumber, spaced at 24 inches
Sheathing is Oriented Strand Board, 7/16 inch thick
Sheathing has no intermediate blocking
Fasteners on panel ends are 8d nails spaced at 5 inches
Fasteners in panel interior are 8d nails spaced at 10 inches

Total lateral wind force on building = 10587 pounds
Total force transferred through diaphragm to shearwalls = 5293 pounds
Total length of shearwalls = 56 feet
MINIMUM REQUIRED TOTAL SHEARWALL LENGTH = 21 FT.--LOCATE EVENLY THROUGHOUT

Actual diaphragm force per unit length of shearwall = 94 plf
Allowable diaphragm force per unit length of shearwall = 251 plf

*** Summary of Analysis ***

Roof sheathing diaphragm satisfies Code requirements.

**** ANALYSIS OF ROOF SHEATHING AS SHEAR DIAPHRAGM LONGITUDINAL ****
Shear analysis applies along supporting shearwalls.

Roof trusses are Southern Pine lumber, spaced at 24 inches
Sheathing is Oriented Strand Board, 7/16 inch thick
Sheathing has no intermediate blocking
Fasteners on panel ends are 8d nails spaced at 5 inches
Fasteners in panel interior are 8d nails spaced at 10 inches

Total lateral wind force on building = 4571 pounds
Total force transferred through diaphragm to shearwalls = 2285.5 pounds
Total length of shearwalls = 116 feet
MINIMUM REQUIRED TOTAL SHEARWALL LENGTH = 8.8 FT.--LOCATE EVENLY THROUGHOUT

Actual diaphragm force per unit length of shearwall = 19 plf
Allowable diaphragm force per unit length of shearwall = 251 plf

*** Summary of Analysis ***

Roof sheathing diaphragm satisfies Code requirements.

**** ANALYSIS OF ROOF SHEATHING FOR FASTENER WITHDRAWAL ****

Interior zone (area Ri)

Roof trusses are Southern Pine lumber, spaced at 24 inches

Sheathing is 7/16 inch with no intermediate blocking

Size of sheathing is 48 inches by 96 inches

Fasteners along end trusses are 8d nails spaced at 5 inches

Fasteners along int. trusses are 8d nails spaced at 10 inches

Total outward wind force on sheathing = 656 pounds

Total withdrawal resistance of 40 nails = 3038 pounds (increased for wind)

Fastening of roof sheathing satisfies Code requirements.

Edge strip (area Si) width = 3 feet

Roof trusses are Southern Pine lumber, spaced at 24 inches

Sheathing is 7/16 inch with no intermediate blocking

Size of sheathing is 48 inches by 96 inches

Fasteners along end trusses are 8d nails spaced at 5 inches

Fasteners along int. trusses are 8d nails spaced at 10 inches

Total outward wind force on sheathing = 1024 pounds

Total withdrawal resistance of 40 nails = 3038 pounds (increased for wind)

Fastening of roof sheathing satisfies Code requirements.

End zone (areas Se and C) width = 6 feet

Roof trusses are Southern Pine lumber, spaced at 24 inches

Sheathing is 7/16 inch with no intermediate blocking

Size of sheathing is 48 inches by 96 inches

Fasteners along end truss are 8d nails spaced at 5 inches

Fasteners along end wall are 8d nails spaced at 5 inches

Fasteners along int. trusses are 8d nails spaced at 10 inches

Total outward wind force on sheathing = 1417 pounds

Total withdrawal resistance of 40 nails = 3038 pounds (increased for wind)

Fastening of roof sheathing satisfies Code requirements.

**** ANALYSIS OF WALL STUDS ****

*** Analysis of Wall Stud Number 1 ***

2 in. x 4 in. single studs at 16 in. spacing
Stud height is 7.625 feet--located in interior zone
Top of studs is laterally supported by ceiling diaphragm or other method
Spruce--Pine--Fir lumber----Number 1--Number 2 grade
Sheathing is inch rated OSB, span rating 24/16

Cross-sectional area = 5.25 sq.in.
Moment of inertia = 5.359375 in.^4
Section Modulus = 3.0625 in.^3
Elastic modulus of wood stud = 1400000 in.^2

Total outward force on stud = 268 pounds
Stud moment = 255 ft-lb.

Stresses:

Stud bending vert : Actual = 1000 psi Allowable = 2415 psi (adjusted)
Stud shear : Actual = 35 psi Allowable = 112 psi (adjusted)
Stud tensile : Actual = 33 psi Allowable = 1020 psi (adjusted)
Interaction bending and tension actual/allowable stress ratio total = .4464316
Sheathing bending hor: Actual = 146 psi Allowable = 222 psi (adjusted)

Deflections:

Stud : Actual = .2226 in. Allowable = .5083 in.

*** Summary of Analysis ***

Wall structure satisfies all Code requirements.

**** ANALYSIS OF WALL STUDS ****

*** Analysis of Wall Stud Number 2 ***

2 in. x 4 in. single studs at 16 in. spacing
Stud height is 7.625 feet--located in end zone
Top of studs is laterally supported by ceiling diaphragm or other method
Spruce--Pine--Fir lumber----Number 1--Number 2 grade
Sheathing is inch rated OSB, span rating 24/16

Cross-sectional area = 5.25 sq.in.
Moment of inertia = 5.359375 in.^4
Section Modulus = 3.0625 in.^3
Elastic modulus of wood stud = 1400000 in.^2

Total outward force on stud = 309 pounds
Stud moment = 294 ft-lb.

Stresses:

Stud bending vert : Actual = 1154 psi Allowable = 2415 psi (adjusted)
Stud shear : Actual = 40 psi Allowable = 112 psi (adjusted)
Stud tensile : Actual = 33 psi Allowable = 1020 psi (adjusted)
Interaction bending and tension actual/allowable stress ratio total = .5101997
Sheathing bending hor: Actual = 169 psi Allowable = 222 psi(adjusted)

Deflections:

Stud : Actual = .2567 in. Allowable = .5083 in.

*** Summary of Analysis ***

Wall structure satisfies all Code requirements.

**** ALLOWABLE STRESS PROPERTIES ****

Base stresses (psi):

Wood:

Bending = 875
Tension = 425
Shear = 70
Elastic modulus = 1400000

Adjustment factors for wood:

Duration (Du) = 1.6
Wet service (Wt) = 1
Temperature (Tm) = 1
Stability (St) = 1
Size (Sz) = 1.5
Volume (Vm) = 1
Flat use (Fu) = 1
Repetitive (Rp) = 1.15
Curvature (Cu) = 1
Form (Fm) = 1
Shear stress (Sh) = 1

Allowable stresses (psi):

Wood:

Bending = 2415 (Base x Du x Wt x Tm x St x Sz x Vm x Fu x Rp x Cu x Fm)
Tension = 1020 (Base x Du x Wt x Tm x Sz)
Shear = 112 (Base x Du x Wt x Tm x Sh)
Elastic modulus = 2240000 (Base x Wt x Tm)

Sheathing:

Bending = 222 (Base x 1.33)
Elastic modulus = 61904.76 (Base)

TRANSVERSE DRAGSTRUT NAIL ANALYSIS

Wall framing is 2 in. x 4 in. studs
Wall stud framing lumber is Spruce--Pine--Fir
Fasteners are 16d common nails
Approximate nail spacing = 20 inches

Total lateral force on building = 10587 pounds
Force applied at top of walls = 5293 pounds
Total dragstrut length = 56 feet
Shear per unit dragstrut length = 94 pounds per linear foot

Actual shear on each nail = 156 pounds
Allowable shear on each nail = 192 pounds

Dragstrut nailing satisfies Code requirements.

LONGITUDINAL DRAGSTRUT NAIL ANALYSIS

Wall framing is 2 in. x 4 in. studs
Wall stud framing lumber is Spruce--Pine--Fir
Fasteners are 16d common nails
Approximate nail spacing = 20 inches

Total lateral force on building = 4571 pounds
Force applied at top of walls = 2285 pounds
Total dragstrut length = 116 feet
Shear per unit dragstrut length = 19 pounds per linear foot

Actual shear on each nail = 31 pounds
Allowable shear on each nail = 192 pounds

Dragstrut nailing satisfies Code requirements.

**** T R A N S V E R S E S H E A R W A L L A N A L Y S I S ****

Wall framing is 2 in. x 4 in. studs at 16 inch spacing
Wall stud framing lumber is Spruce--Pine--Fir
Wall shear siding is Oriented Strand Board -- 7/16 inch thick
Wall sheathing has all edges nailed
Fasteners: 8d common nails spaced along edges at 5 inch centers
Fasteners: 8d common nails spaced in interior at 10 inch centers

Total lateral force on building = 10587 pounds
Force applied at top of walls = 5293 pounds
Accumulated total shearwall length = 56 feet

Actual unit shear on shearwalls = 94 pounds per linear foot
Allowable unit shear on shearwalls = 257 pounds per linear foot

Shearwall satisfies Code requirements.

**** L O N G I T U D I N A L S H E A R W A L L A N A L Y S I S ****

Wall framing is 2 in. x 4 in. studs at 16 inch spacing
Wall stud framing lumber is Spruce--Pine--Fir
Wall shear siding is Oriented Strand Board -- 7/16 inch thick
Wall sheathing has all edges nailed
Fasteners: 8d common nails spaced along edges at 5 inch centers
Fasteners: 8d common nails spaced in interior at 10 inch centers

Total lateral force on building = 4571 pounds
Force applied at top of walls = 2285 pounds
Accumulated total shearwall length = 116 feet

Actual unit shear on shearwalls = 19 pounds per linear foot
Allowable unit shear on shearwalls = 257 pounds per linear foot

Shearwall satisfies Code requirements.

*** ANALYSIS OF OUTWARD FORCES ON WALL SHEATHING ***

Wall number 1 : Total outward wind force on sheathing = 804 pounds
: Total withdrawal resistance of 76 nails = 4240 pounds

Wall number 2 : Total outward wind force on sheathing = 927 pounds
: Total withdrawal resistance of 76 nails = 4240 pounds

**** ANALYSIS OF SHEATHING FASTENERS ****

Wall framing is Spruce--Pine--Fir lumber
Sheathing is 7/16 inch Oriented Strand Board
Sheathing extends from bottom of bottom plate to top of top plate
Fasteners are 8d common nails at 5 inch spacing

Total uniform wind uplift in first story at top of wall level = 292 plf
Uniform dead loads per linear foot:

Roof = 159.7911 plf

Total = 159.7911 plf

Total uniform dead load in first story at top of wall level = 159 plf
Net wind uplift in first story at top of wall level = 133 plf

Total uplift force on each nail = 55 pounds
Allowable shear on each nail = 97 pounds (increased for wind)
Sheathing to plate fastening satisfies all Code requirements.

**** ANALYSIS OF SHEATHING FASTENERS ****

Wall framing is Spruce--Pine--Fir lumber
Sheathing is 7/16 inch Oriented Strand Board
Sheathing extends from bottom of bottom plate to top of top plate
Fasteners are 8d common nails at 5 inch spacing

Total uniform wind uplift in first story at floor level = 292 plf
Uniform dead loads per linear foot:

Roof = 159.7911 plf

Wall = 399.5678 plf

Total = 559.3589 plf

Total uniform dead load in first story at floor level = 559 plf
Net wind uplift in first story at floor level = -267 plf

Total uplift force on each nail = -112 pounds
Allowable shear on each nail = 97 pounds (increased for wind)
Sheathing to plate fastening satisfies all Code requirements.

**** ANALYSIS OF FOUNDATION ANCHORAGE ****

Anchor bolts are 1/2 inch A307, with 2 inch round washer at 48 inch centers.

Total uniform wind uplift on foundation = 290 pounds per linear foot

Uniform dead loads in pounds per linear foot:

Roof = 159.7911 plf

Wall = 38.42197 plf

Total = 198.2131 plf

Total uniform dead load times 2/3 = 132 pounds per linear foot

Net uplift force on foundation = 158 pounds per linear foot

Total uplift force on each anchor bolt = 632 pounds

Safe tension value of each anchor bolt = 1634 pounds (increased by 1/3)

Bolt safe tension value is governed by washer failure

*** Summary of Analysis ***

Foundation anchorage satisfies all Code requirements.

**** ANALYSIS OF CORNER HOLD-DOWN REQUIREMENTS ****

Hold-down is one typical anchor bolt with washer, each wall

Normal anchor bolt spacing = 48 inches

Distance from corner to hold-down device = 6 inches

Distance from corner to first interior anchor bolt = 48 inches

Net uplift force on foundation = 158 pounds per linear foot

Tributary distance to corner device = 2.25 feet

Net uplift on corner hold-down device = 355 pounds

Uplift tension due to shearwall action in a transverse shearwall segment:

Distance from corner to hold-down device = 6 inches

Distance from corner to first interior anchor bolt = 48 inches

Total shear from shearwall segment = 319 pounds

Height of wall = 8 feet

Uniform dead load times 2/3 = 25 pounds per linear foot

Shearwall moment at bottom of wall = 2552 foot-pounds

Additional tension at corner device = 1237 pounds

Total uplift tension on corner hold-down devices = 1592 pounds

Allowable tension on corner hold-down devices = 3268 pounds

*** Summary of Analysis ***

Corner hold-down device COMPLIES with Code requirements.

**** ANALYSIS OF FOUNDATION ****

Stemwall is 8 inch concrete masonry, filled with grout, 16 inches high
Footing is 20 inches wide by 10 inches deep
Earth cover over top of footing is 4 inches

Total uniform wind uplift on foundation = 290 pounds per linear foot

Uniform dead loads in pounds per linear foot:

Roof = 159.7911 plf

Wall = 38.42197 plf

Total = 198.2131 plf

Total uniform dead load times 2/3 = 132 pounds per linear foot

Net uplift force at top of foundation = 158 pounds per linear foot

Weight of stemwall footing earth x 2/3 = 261 pounds per linear foot

Net uplift at bottom of footing = 0 pounds per linear foot

*** Summary of Analysis ***

Foundation is stable.

**** ANALYSIS OF REINFORCING STEEL ****

Grade 40 reinforcing steel, Number 5 vert. bars at 72 inch centers

Total uniform wind uplift on foundation = 290 pounds per linear feet

Uniform dead loads in pounds per linear foot:

Roof = 159.7911 plf

Wall = 38.42197 plf

Total = 198.2131 plf

Total uniform dead load times 2/3 = 132 pounds per linear foot

Net uplift force on foundation = 158 pounds per linear foot

Weight of concrete block stemwall x 2/3 = 81 pounds per linear foot

Net uplift at top of footing = 77 pounds per linear foot

Total uplift force on each re-bar = 462 pounds

Safe tension value of each re-bar = 8181 pounds (increased by 1/3)

*** Summary of Analysis ***

Reinforcing steel satisfies all Code requirements.

**** SUMMARY OF REINFORCING DATA ****

Foundation wall data:

Wall is composed of 8 inch concrete masonry, fully grouted.

Wall reinforcing is Grade 40 steel, Number 5 at 72 inch centers

Minimum required lap splice for Number 5 bar is 25 inches.

Minimum required clearance for Number 5 bar is 1.5 inches.

Wall reinf. in footing has a std. A.C.I. hook, 6 inches below top of footing.

Footing data:

Footing is continuous, 20 inches wide by 10 inches deep.

Footing concrete is 2500 psi

Footing reinforcing is Grade 40 steel, 2--#() longitudinal.

Minimum required splice length = 25 inches

Reinforcing steel shall have cover as follows:

Top-----6 inches

Sides-----3 inches

Bottom----3 inches

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001308

DATE 01/19/2007 PARCEL ID # 26-4S-16-03181-019

APPLICANT MIKE TODD PHONE 386.755.4387

ADDRESS 129 NE COLBURN AVENUE LAKE CITY FL 32055

OWNER MIKE TODD PHONE 755.4387

ADDRESS 345 SW BURNETTE LANE LAKE CITY FL 32055

CONTRACTOR MIKE TODD PHONE 755.4387

LOCATION OF PROPERTY 47-S TO C-242,TR TO ZEBRA TERRACE,TL TO BURNETTE LANE,TR AND IT'S
ON THE R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

SIGNATURE 

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.**

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 26-4S-16-03181-020

Building permit No. 000025428

Use Classification SFD/UTILITY

Fire: 16.74

Permit Holder MIKE TODD

Waste: 50.25

Owner of Building MIKE TODD CONSTRUCTION

Total: 66.99

Location: 366 SW BURNETTE LANE, LAKE CITY, FL

Date: 07/17/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

