DATE 08/26/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028035

APPLICANT KIMMY EDGLEY PHONE 386.752.0580

ADDRESS 590 SW ARLINGTON BLD., STE.113 LAKE CITY FL 32025

OWNER TUWUANA O. ROSSIN PHONE

ADDRESS 1159 SW ICHETUCKNEE AVENUE LAKE CITY FL 32055

CONTRACTOR DOUG EDGLEY PHONE 386.752.0580

LOCATION OF PROPERTY 47-S TO C-240,TR AND IT'S @ THE CORNER OF C-240 AND ICHETUCKNEE AVENUE.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 247800.00

HEATED FLOOR AREA 2915.00 TOTAL AREA 4956.00 HEIGHT 18.40 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

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 18-5S-16-03644-107 SUBDIVISION WHITE OAK PLANTATION

LOT 7 BLOCK PHASE UNIT TOTAL ACRES 5.05

000001753		R282811326	Kimmy Edgley	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"X32'MITERED	09-0424-N	BLK	RTJ	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: 1 FOOT ABOVE ROAD.

Check # or Cash 1250

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

Framing _____ date/app. by Insulation _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by Peri. beam (Lintel) _____ date/app. by Pool _____ date/app. by

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

Pump pole _____ date/app. by Utility Pole _____ date/app. by M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Reconnection _____ date/app. by RV _____ date/app. by Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 1240.00 CERTIFICATION FEE $ 24.78 SURCHARGE FEE $ 24.78

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** 1389.56

INSPECTORS OFFICE CLERKS OFFICE CH

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

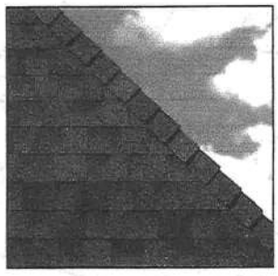
"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

ELK Roofing Products Specifications – Tuscaloosa, AL

PRESTIQUE®
HIGH DEFINITION®



RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size	13¼"x 39⅜"
Exposure	5⅝"
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***

Prestique I *High Definition*

Product size	13¼"x 39⅜"
Exposure	5⅝"
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***

Prestique *High Definition*

Product size	13¼"x 38¾"
Exposure	5⅝"
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.

Raised Profile

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Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

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HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™

Size: 12"x 12"
Exposure: 6⅝"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Vented RidgeCrest™ w/*FLX*™

Size: 13"x13¼"
Exposure: 9¼"
Pieces/Box: 26
Coverage: 5 boxes = 100 linear feet

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, Shakewood, 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 El and printed on the back of every shingle bundle. A warranties are contingent upon the correct installatio as shown on the instructions. These instructions are th minimum required to meet Elk application requirement: In some areas, building codes may require additiona application techniques or methods beyond ou instructions. In these cases, the local code must b followed. Under no circumstances will Elk accep application requirements less than those contained in it application instructions.

For specifications in CSI format, call 800.354.SPEC (773 or e-mail specinfo@elkcorp.com.

Southeast & Atlantic Office: 800.945.5551

Corporate Headquarters: 800.354.7732

Plant Location: 800.945.5545

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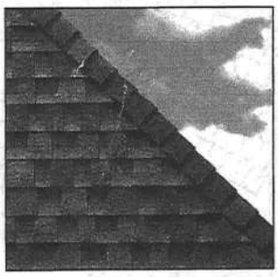
www.elkcorp.com

ELK Roofing Products Specifications – Tuscaloosa, AL



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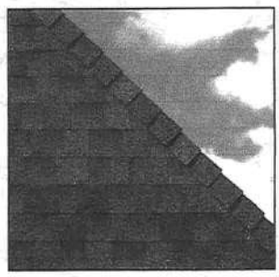

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Exposure	5⅝"
Pieces/Bundle	16
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Squares/Pallet	14

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Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

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Size: 13"x13¼"
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Coverage: 5 boxes = 100 linear feet

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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.

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Specifications

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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.

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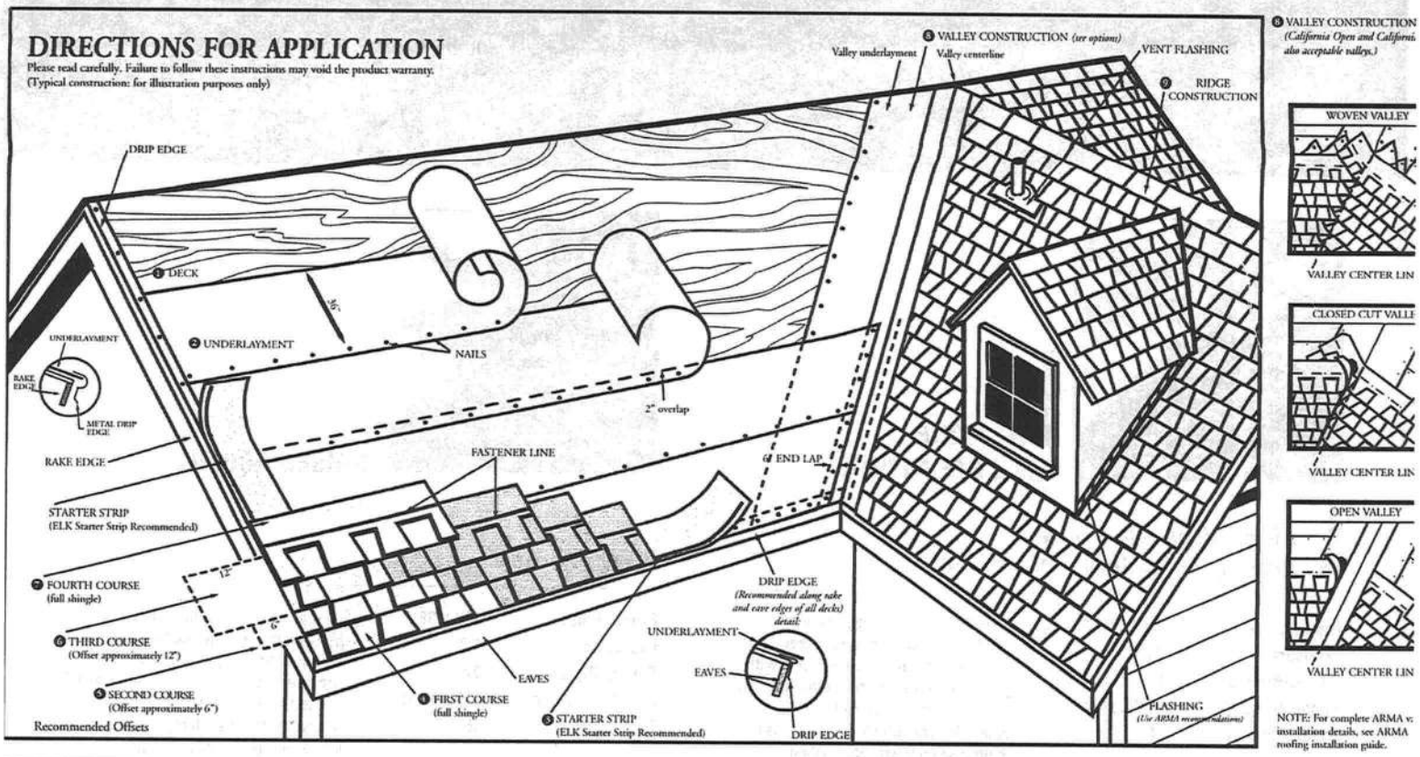


DIRECTIONS FOR APPLICATION

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.

❶ 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.

❷ 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.

❸ 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.

❹ 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

❺ SECOND COURSE

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

❻ THIRD COURSE

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

❼ 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.

❽ 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.

❾ 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 roof-overs. 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

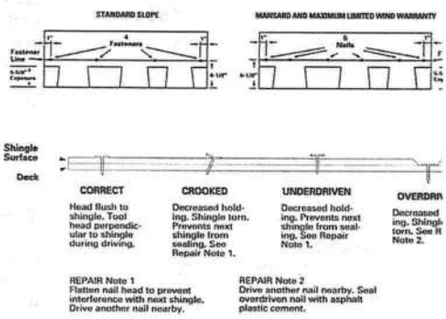
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only 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 DOUB THICKNESS (laminated) area of the shingle. Nails or stapl must be placed along – and through – the "fastener line" or products without fastener lines, nail or staple between and line with sealant dots. CAUTION: Do not use fastener line f shingle alignment.



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

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

ELK
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www.elkcorp.com

Columbia County Building Permit Application

For Office Use Only Application # 0908-13 Date Received 8/12 By JW Permit # 1753/28035
Zoning Official BLK Date 18.08.09 Flood Zone X Land Use A-3 Zoning A-3
FEMA Map # N/A Elevation N/A MFE 1' above Rd River N/A Plans Examiner [signature] Date 8/24/09
Comments
NOC EH Deed or PA Site Plan □ State Road Info □ Parent Parcel #
□ Dev Permit # □ In Floodway □ Letter of Auth. from Contractor □ F W Comp. letter
IMPACT FEES: EMS Fire Corr Road/Code
School = TOTAL Ø Suspended

Septic Permit No. Fax 752-4904

Name Authorized Person Signing Permit Kimmy Edgley Phone 752-0580

Address 590 SW Arlington Blvd, Suite 113, Lake City, Fl 32025

Owners Name Tuwuana O. Rossin Phone 752-0580

911 Address 1159 SW Ichetucknee Avenue, Lake City, Fl 32055

Contractors Name Edgley Construction Co. div of CEE BAS Inc. (DOUG EDGLEY) Phone 752-0580

Address 590 SW Arlington Blvd, Suite 113, Lake City, Fl 32025

Fee Simple Owner Name & Address Tuwuana O. Rossin

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disosway PE P.O. Box 868 Lake City Fl 32056

Mortgage Lenders Name & Address N/A

Circle the correct power company – FL Power & Light – **Clay Elec.** (circled) – Suwannee Valley Elec. – Progress Energy

Property ID Number 18-5S-16-03644-107 Estimated Cost of Construction $410,000

Subdivision Name White Oak Plantation Lot 7 Block Unit Phase

Driving Directions SR47 South TR on CR240 Lot on left at corner of CR240 and Ichetucknee Avenue

Number of Existing Dwellings on Property N/A

Construction of Residential Home Total Acreage 5.05 Lot Size

Do you need a - Culvert Permit (circled) or Culvert Waiver or Have an Existing Drive Total Building Height 18'4"

Actual Distance of Structure from Property Lines - Front 174' Side 132' Side 132' Rear 361'

Number of Stories 1 Heated Floor Area 2915 Total Floor Area 4956 Roof Pitch 7/12

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.

Ck# 1250

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 0908-13 CONTRACTOR Edgley Construction Co PHONE 752-0580

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name Donald R. Hollingsworth	Signature
	License #: 13012377	Phone #: 386-755-5544
MECHANICAL/ A/C	Print Name Lamar Boozer	Signature
	License #: RA003 6027	Phone #: 386-754-6700
PLUMBING/ GAS	Print Name MARK BARRS	Signature
	License #: CFCO 57219	Phone #: 386-752-8656
ROOFING	Print Name DARIN L. SUMMERLIN	Signature
	License #: CCC1326192	Phone #: 386 288-5426
SHEET METAL	Print Name	Signature
	License #:	Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name	Signature
	License#:	Phone #:
SOLAR	Print Name	Signature
	License #:	Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000095	Allen Lowder SR	Allen Lowder SR
CONCRETE FINISHER			
FRAMING	CRC022354	William J Carnesek	William J Carnesek
INSULATION	000240	Will Sikes	Will Sikes
STUCCO	000600	Noah Bubb	Noah Bubb
DRYWALL	APPLIED (OK LH)	JESSE AMBROS	Jesse Ambros
PLASTER			
CABINET INSTALLER		Craig Nicholson	Craig Nicholson
PAINTING	APPLIED (LH-OK)	JOHN M BISPHAM	John M Bispham
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE	000214	JAMES L. RIX JR	
FLOOR COVERING	000340	Chuck Lewis	
ALUM/VINYL SIDING	CCC000166	MIKE R. NICHOLSON	Mike R. Nicholson
GARAGE DOOR	CBC1256116	LAMAR BEAR	
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

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In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name _____ License #:	Signature _____ Phone #:
ROOFING	Print Name _____ License #:	Signature _____ Phone #:
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name _____ License #:	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	CBC1252683	James Nolan	James Nolan
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS	APPLIED (LIN-OL)	CARL BULLARD JR	Carl Bullard Jr
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001753

DATE 08/26/2009 PARCEL ID # 18-5S-16-03644-107

APPLICANT KIMMY EDGLEY PHONE 386.752.0580

ADDRESS 590 SW ARLINGTON BLD., STE.113 LAKE CITY FL 32025

OWNER TUWUANA O. ROSSIN PHONE 386.752.0580

ADDRESS 1159 SW ICHETUCKNEE AVENUE LAKE CITY FL 32055

CONTRACTOR DOUG EDGLEY PHONE 386.752.0580

LOCATION OF PROPERTY 47-S TO C-240,TR AND IT'S @ THE CORNER OF C-240 & ICHETUCKNEE AVENUE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT WHITE OAK PLANTATION 7

SIGNATURE Kimmy Edgley

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght 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 INSTALATION 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 GATEWAY TO FLORIDA

Inst:200912013441 Date:8/12/2009 Time:12:04 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1178 P:2410

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 18-5S-16-03644-107

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: Lot 7 White Oak Plantation S/D
   a) Street *(job)* Address: 1159 SW Ichetucknee Ave Lake City, Fl 32024
2. General description of improvements: Residential Home
3. Owner Information
   a) Name and address: Tuwuana O. Rossin 69 Guilford Ct Springlake NC 28390
   b) Name and address of fee simple titleholder (if other than owner) NONE
   c) Interest in property Fee Simple
4. Contractor Information
   a) Name and address: Edgley Construction Co. Div of CEE BAS Inc. 590 SW Arlington
   b) Telephone No: 386-752-0580 Fax No. (Opt.) Blvd Suite 113, Lake City Florida 32025
5. Surety Information
   a) Name and address
   b) Amount of Bond: NONE
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: NONE
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: NONE
   b) Telephone No.: Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes:
   a) Name and address: Edgley Construction Co. Div of CEE BAS Inc. 590 SW Arlington
   b) Telephone No: 386-752-0580 Fax No. (Opt.) Blvd, Suite 113, Lake City Florida 32025
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: 8-12-09

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Tuwuana O. Rossin
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Tuwuana O. Rossin
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 10th day of August, 20 09, by:

Tuwuana O. Rossin as Owner (type of authority, e.g. officer, trustee, attorney fact) for (name of party on behalf of whom instrument was executed).

Personally Known ____ OR Produced Identification ✓ Type N.C.D.L. # 32425533

Notary Signature Nancy Brinkley Notary Stamp or Seal:

NANCY BRINKLEY
MY COMMISSION # DD 843098
EXPIRES: December 26, 2009
Bonded Thru Notary Public Underwriters

—AND—

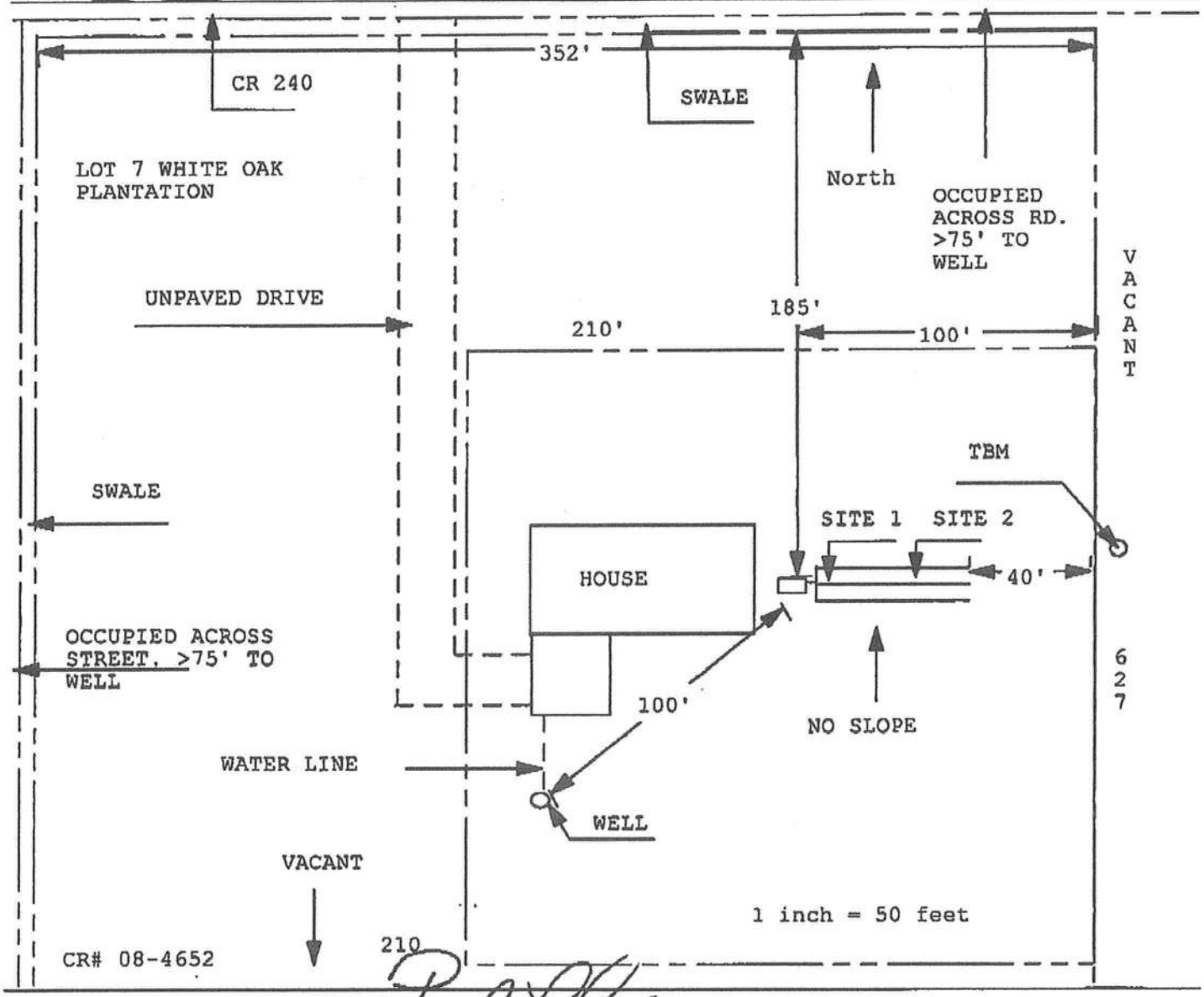
11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Tuwuana O. Rossin
Signature of Natural Person Signing (in line #10 above.)

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 09-0424

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Lloyd Date 6/22/09

Plan Approved X Not Approved ____ Date ____

By Sallie Ford - EH Director. Columbia CPHU

8/18/09

Notes: ____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

August 12, 2009

Notice to All Contractors:
Re: Doug Edgley

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. All wells will have a pump & tank combination that will be sufficient enough for each situation.

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

Thank You,

Donald D. Hall

Juliana Pessin
0908-13

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 6/23/2009 **DATE ISSUED:** 6/24/2009

ENHANCED 9-1-1 ADDRESS:

1159 SW ICHETUCKNEE AVE
LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

18-5S-16-03644-107

Remarks:

LOT 7 WHITE OAK PLANTATION S/D

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

1465

Inst:2003023141 Date:10/23/2003 Time:16:33
Doc Stamp-Deed : 209.30
DC,P.DeWitt Cason,Columbia County B:998 P:448

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

Property Appraiser's
Parcel Identification No.
18-5S-16-03644-107

WARRANTY DEED

THIS INDENTURE, made this 23rd day of October, 2003, between A BAR S LAND & CATTLE COMPANY, a corporation existing under the laws of the State of Florida, whose post office address is Post Office Box 830, Lake City, Florida 32056, and having its principal place of business in the County of Columbia, State of Florida, party of the first part, and TARMALL FRANKLIN ROSSIN and TUWUANA O. ROSSIN, Husband and Wife, whose post office address is Route 22 Box 870, Lake City, Florida 32024, of the State of Florida, party of the second part, WITNESSETH: that the said party of the first part, for and in consideration of the sum of Ten Dollars ($10.00), to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said party of the second part, and his heirs and assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

> Lot 7 of WHITE OAK PLANTATION, a subdivision according to the plat thereof recorded in Plat Book 6, Page 181 of the public records of Columbia County, Florida.
>
> SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

TOGETHER with all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and estate, reversion, remainder and easement thereto belong or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever.

And the said party of the first part doth covenant with said party of the second part that it is lawfully seized of said premises; that they are free of all encumbrances, and that it has good right and lawful authority to sell the same; and the said party of the first part does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the party of the first part has caused these presents to be signed in its name by its President, and its corporate seal to be affixed the day and year above written.

Signed, sealed and delivered in our presence:

A BAR S LAND & CATTLE COMPANY

(First Witness)

Terry McDavid
Printed Name

(Second Witness)

Lisa C. Ogburn
Printed Name

By: _____
Ron W. Turbeville, President

(CORPORATE SEAL)

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 23rd day of October 2003, by RON W. TURBEVILLE, President of A BAR S LAND & CATTLE COMPANY, a Florida corporation, on behalf of said corporation. He is personally known to me and did not take an oath.

TERRY MCDAVID MY COMMISSION EXPIRES January 16, 2006 #DD 079305 Bonded thru Notary Public Underwriters NOTARY PUBLIC, STATE OF FLORIDA

Notary Public
My Commission Expires: _____

Inst:2003023141 Date:10/23/2003 Time:16:33
Doc Stamp-Deed : 209.30
DC,P.DeWitt Cason,Columbia County B:998 P:449

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	904146RossinTuwuana	Builder Name:	
Street:	567 NW Rossin Ct.	Permit Office:	Columbia
City, State, Zip:	Lake City , FL , 32055-	Permit Number:	24035
Owner:	Tuwuana Rossin	Jurisdiction:	221000
Design Location:	FL, Gainesville		

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	4
5. Is this a worst case?	Yes
6. Conditioned floor area (ft²)	2915

7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.50	405.33 ft²
SHGC:	SHGC=0.50	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2915.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Face Brick - Wood, Exterior	R=13.0	2995.40 ft²
b. Frame - Wood, Adjacent	R=13.0	207.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2915.00 ft²
b. Knee Wall (Vented)	R=30.0	227.00 ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 320 ft²

12. Cooling systems
a. Central Unit — Cap: 57.0 kBtu/hr, SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 57.0 kBtu/hr, HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 80 gallons, EF: 0.93
b. Conservation features
None

15. Credits: None

Glass/Floor Area: 0.139

Total As-Built Modified Loads: 46.01
Total Baseline Loads: 58.95

PASS

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

PREPARED BY:
DATE: 8/11/09 EVAN BEAMSLEY

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:

PROJECT

Title:	904146RossinTuwuana	Bedrooms:	4	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Tuwuana Rossin	Conditioned Area:	2915	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:		Worst Case:	Yes	Street:	567 NW Rossin Ct.
Permit Office:		Rotate Angle:	180	County:	Columbia
Jurisdiction:		Cross Ventilation:	No	City, State, Zip:	Lake City ,
Family Type:	Single-family	Whole House Fan:	No		FL , 32055-
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	331 ft	0	2915 ft²	0.3	0.2	0.5

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	3376 ft²	0 ft²	Dark	0.96	No	0	30.3 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	2915 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	2915 ft²	0.11	Wood
_____	2	Knee Wall (Vented)	30	227 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Face Brick - Wood	13	542.11 ft²	0	0.23	0.75
_____	2	S	Exterior	Face Brick - Wood	13	907.22 ft²	0	0.23	0.75
_____	3	E	Exterior	Face Brick - Wood	13	558.33 ft²	0	0.23	0.75
_____	4	W	Exterior	Face Brick - Wood	13	521.11 ft²	0	0.23	0.75
_____	5	NE	Exterior	Face Brick - Wood	13	58.33 ft²	0	0.23	0.75
_____	6	SE	Exterior	Face Brick - Wood	13	175 ft²	0	0.23	0.75
_____	7	NW	Exterior	Face Brick - Wood	13	58.33 ft²	0	0.23	0.75
_____	8	SW	Exterior	Face Brick - Wood	13	175 ft²	0	0.23	0.75

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	9	N	Garage	Frame - Wood	13	207 ft²	0	0.23	0.01

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	NE	Insulated	None	0.4	10 ft²
_____	2	N	Insulated	None	0.46	20 ft²
_____	3	N	Insulated	None	0.4	20 ft²
_____	4	S	Insulated	None	0.4	13 ft²
_____	5	W	Insulated	None	0.4	10 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N	Metal	Double (Clear)	Yes	0.5	0.5	N	3 ft²	0 ft 18 in	0 ft 24 in	HERS 2006	None
_____	2	NW	Metal	Double (Clear)	Yes	0.5	0.5	N	15 ft²	0 ft 18 in	0 ft 36 in	HERS 2006	None
_____	3	N	Metal	Double (Clear)	Yes	0.5	0.5	N	20 ft²	0 ft 18 in	0 ft 36 in	HERS 2006	None
_____	4	NE	Metal	Double (Clear)	Yes	0.5	0.5	N	10 ft²	0 ft 72 in	0 ft 36 in	HERS 2006	None
_____	5	N	Metal	Double (Clear)	Yes	0.5	0.5	N	20 ft²	0 ft 178 in	0 ft 36 in	HERS 2006	None
_____	6	N	Metal	Double (Clear)	Yes	0.5	0.5	N	36 ft²	0 ft 178 in	0 ft 36 in	HERS 2006	None
_____	7	N	Metal	Double (Clear)	Yes	0.5	0.5	N	16 ft²	0 ft 178 in	0 ft 36 in	HERS 2006	None
_____	8	E	Metal	Double (Clear)	Yes	0.5	0.5	N	60 ft²	0 ft 18 in	0 ft 24 in	HERS 2006	None
_____	9	SE	Metal	Double (Clear)	Yes	0.5	0.5	N	30 ft²	0 ft 18 in	0 ft 36 in	HERS 2006	None
_____	10	S	Metal	Double (Clear)	Yes	0.5	0.5	N	40 ft²	0 ft 18 in	0 ft 36 in	HERS 2006	None
_____	11	S	Metal	Double (Clear)	Yes	0.5	0.5	N	8 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None
_____	12	SW	Metal	Double (Clear)	Yes	0.5	0.5	N	30 ft²	0 ft 18 in	0 ft 36 in	HERS 2006	None
_____	13	S	Metal	Double (Clear)	Yes	0.5	0.5	N	50 ft²	0 ft 18 in	0 ft 36 in	HERS 2006	None
_____	14	S	Metal	Double (Clear)	Yes	0.5	0.5	N	13.33 ft²	0 ft 120 in	0 ft 24 in	HERS 2006	None
_____	15	S	Metal	Double (Clear)	Yes	0.5	0.5	N	20 ft²	0 ft 120 in	0 ft 24 in	HERS 2006	None
_____	16	S	Metal	Double (Clear)	Yes	0.5	0.5	N	5 ft²	0 ft 120 in	0 ft 12 in	HERS 2006	None
_____	17	W	Metal	Double (Clear)	Yes	0.5	0.5	N	10 ft²	0 ft 114 in	0 ft 24 in	HERS 2006	None
_____	18	W	Metal	Double (Clear)	Yes	0.5	0.5	N	3 ft²	0 ft 18 in	0 ft 24 in	HERS 2006	None
_____	19	W	Metal	Double (Clear)	Yes	0.5	0.5	N	16 ft²	0 ft 18 in	0 ft 24 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM	Exhaust CFM	Run Time Fraction	Fan Watts
_____	Default	0.00036	2753	5.67	151.1	284.2	0 cfm	0 cfm	0	0

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	1173 ft²	1173 ft²	125 ft	9 ft	(invalid)

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 13	57 kBtu/hr	1710 cfm	0.75	

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.7	57 kBtu/hr	

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.93	80 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	320 ft²	Attic	120 ft²	Default Leakage	Garage				

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

Cooling	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Heating	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Venting	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS: 567 NW Rossin Ct.
Lake City, FL, 32055-

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	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 INDEX* = 78

The lower the EnergyPerformance Index, the more efficient the home.

567 NW Rossin Ct., Lake City, FL, 32055-

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		4
5. Is this a worst case?		Yes
6. Conditioned floor area (ft²)		2915
7. Windows**	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.50 SHGC=0.50	405.33 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2915.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Face Brick - Wood, Exterior	R=13.0	2995.40 ft²
b. Frame - Wood, Adjacent	R=13.0	207.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2915.00 ft²
b. Knee Wall (Vented)	R=30.0	227.00 ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 320 ft²

12. Cooling systems
a. Central Unit — Cap: 57.0 kBtu/hr SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 57.0 kBtu/hr HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 80 gallons EF: 0.93
b. Conservation features
None

15. Credits — None

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 Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

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SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

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

Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Luciana Omega Rossi
Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

Douglas E. Wyatt
Contractor's Signature (Permitee)

Contractor's License Number RR282811326
Columbia County Competency Card Number 000044

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 10th **day of** August **20**09.

Personally known V **or Produced Identification** _____

Nanci Brinkley
State of Florida Notary Signature (For the Contractor)

SEAL:

NANCI BRINKLEY
MY COMMISSION # DD 843098
EXPIRES: December 26, 2009
Bonded Thru Notary Public Underwriters

C.H.I. OVERHEAD DOORS
WINDBREAKER SERIES

Zone 3 Supplemental Instructions

Pan Doors: Raised Panel

9'-0" wide

Design pressure: 19.5 pos / 22.0 neg
Test pressure: 29.3 pos / 33.0 neg

⚠ CAUTION	**Higher wind pressures and larger doors require additional reinforcement.** **Premature failure of door system may result from improper application.** **Use these instructions only for the wind pressures and door sizes as listed above.**

⚠ WARNING	**These supplemental instructions do not contain basic door installation steps and related safety information.** **Failure to follow basic installation steps and related safety information may result in injury or death.** **Door installers must follow a primary instruction manual for basic door installation steps and related safety information.**

Garage door reinforcement details include:

- Top fixture type and attachment.
- Strut attachment.
- Flag bracket attachment to the wall and track system.
- Track bracket quantity and placement.
- End hinge type and attachment.
- Strut type and placement.

A locking system must be installed if the door is not electrically operated.

Stop molding is required. A minimum 2-1/2" long nail or screw must be used on an 8" spacing.

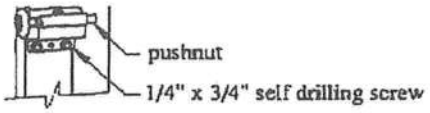
The correct selection of door and framing materials is the responsibility of the building owner/designer following local building code directives. Use of a reinforced garage door does not constitute automatic compliance with any building code. Local building code officials determine compliance criteria.

John E. Scates
6/13/08
John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737
This document includes 2 pages.
Professional Engineer's seal provided only for verification of wind load construction details

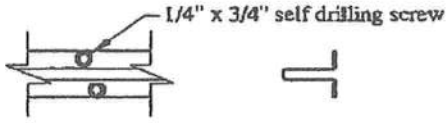
Z3-09045-pan-051608

FL 10474

ATT: Lamar

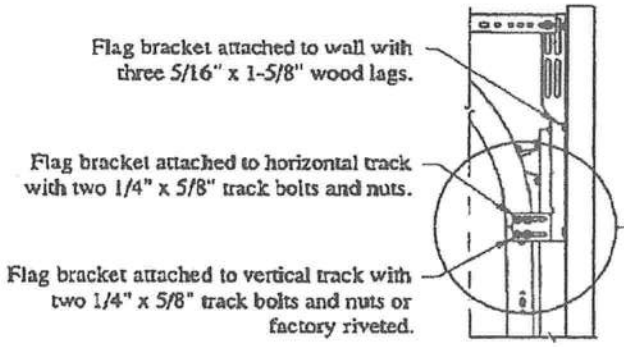


Strut Attachment Detail



19 gauge 50ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws to every stile.

Flag Bracket Detail



Track Bracket Locations

Manufacturing tolerances and actual field conditions may result in variances of +/- 1"

	door height / four sections			door height / five sections					
	6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
C	n/a	n/a	n/a	58"	55"	58"	60"	63"	66"
B	35"	35"	38"	34"	31"	34"	32"	35"	38"
A	10"	7"	10"	10"	7"	10"	4"	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.

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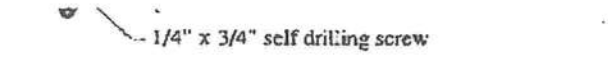
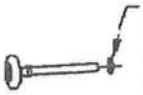


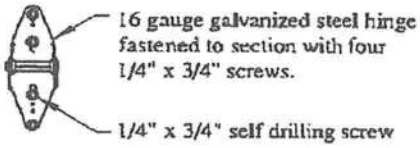
Push Nut Detail (use on all rollers)

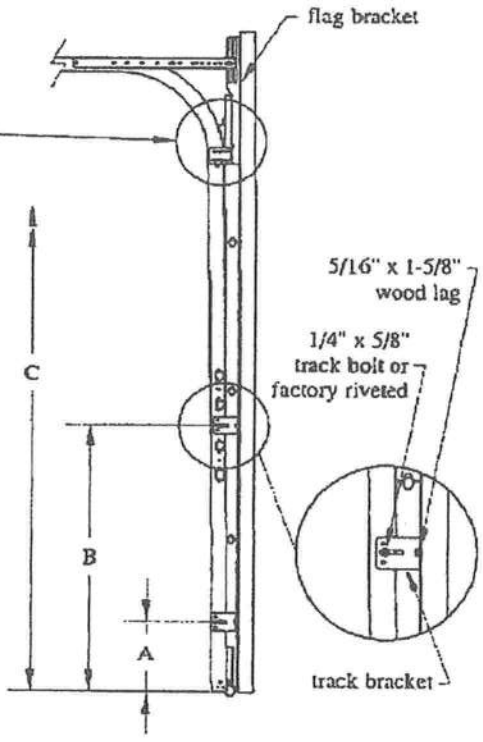
use 3/8" I. D. on bottom fixture roller stem
use 7/16" I. D. on end hinge and top fixture roller stems



Push nut: Slide roller into fixture and tap push nut onto roller stem using a 1/2" socket and hammer. Leave an 1/8" to 1/4" space between push nut and fixture.

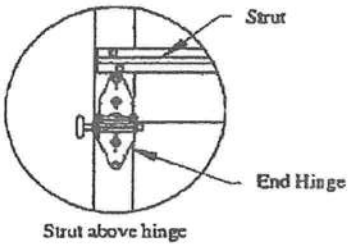
Intermediate Hinge Detail





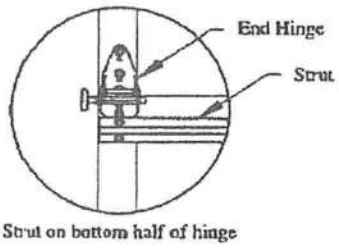
Four Section High Doors
9'-0" wide

Strut Placement



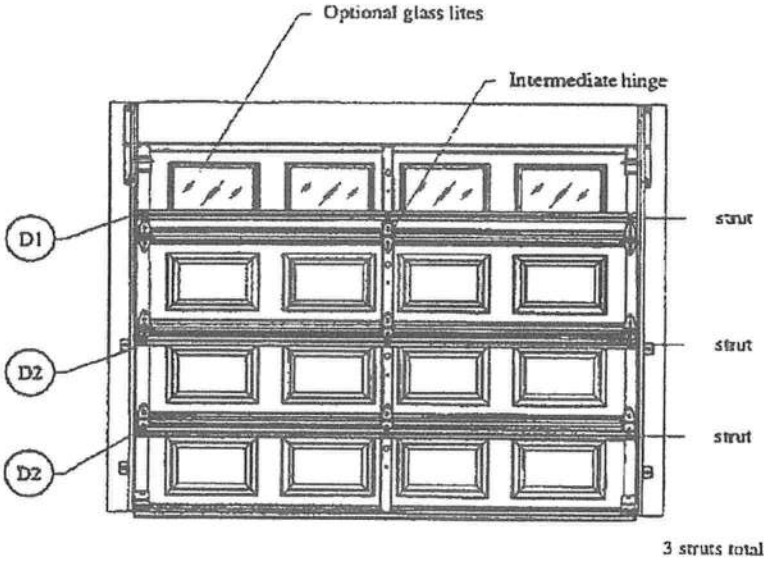
Strut above hinge

Detail 1



Strut on bottom half of hinge

Detail 2

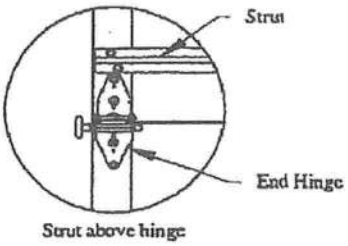


3 struts total

Z3-09045-pan-051608

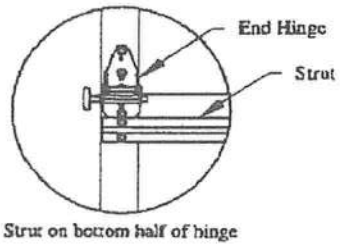
Five Section High Doors
9'-0" wide

Strut Placement



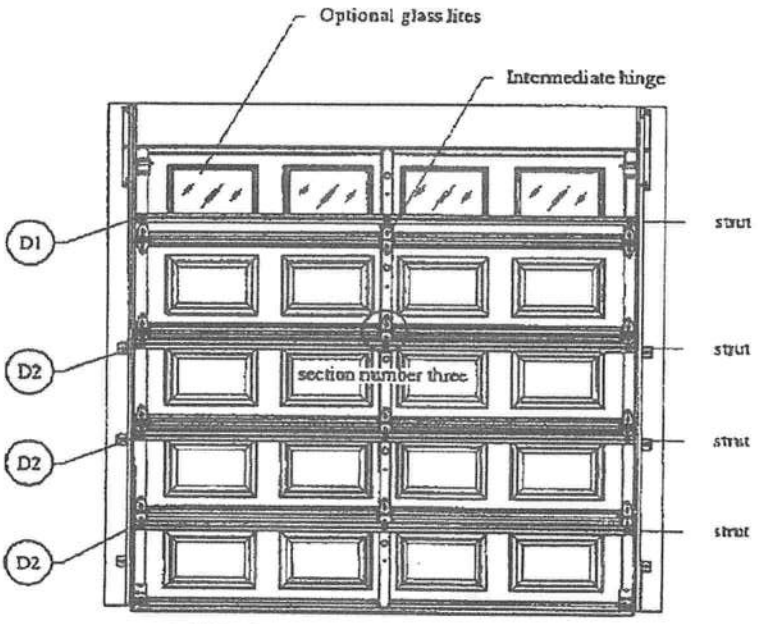
Strut above hinge

Detail 1



Strut on bottom half of hinge

Detail 2



Additional sections may be added for a maximum door height of 14'-0". Each additional section must have one strut as shown above in section number three and be installed above the third section.

4 struts total

Z3-09045-pan-051608

C.H.I. OVERHEAD DOORS
WINDBREAKER SERIES

Zone 3 Supplemental Instructions

Pan Doors: Raised Panel

9'-0" wide

Design pressure: 19.5 pos / 22.0 neg
Test pressure: 29.3 pos / 33.0 neg

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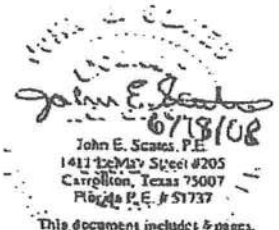

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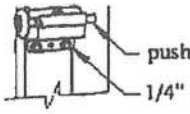
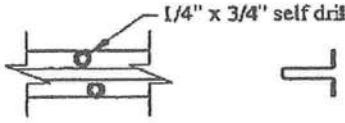


Strut Attachment Detail



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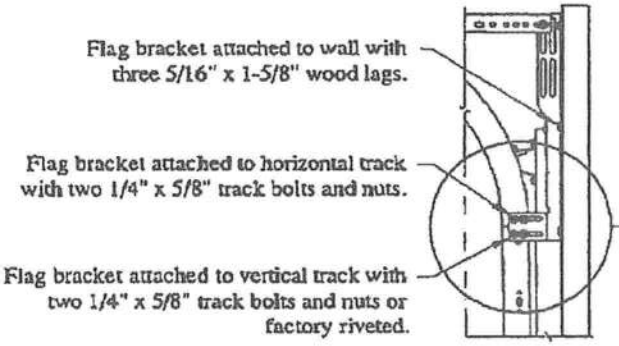
Flag Bracket Detail



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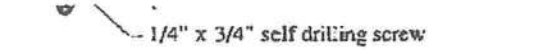

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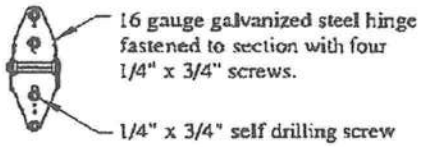
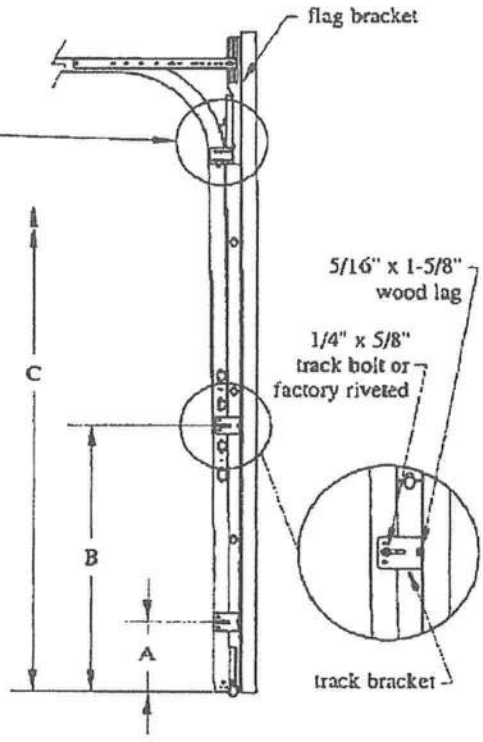
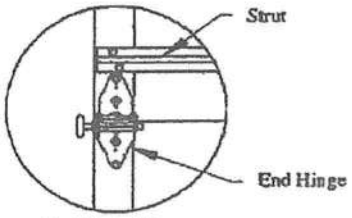




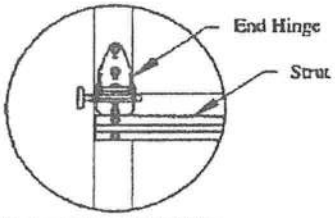
Four Section High Doors
9'-0" wide

Strut Placement



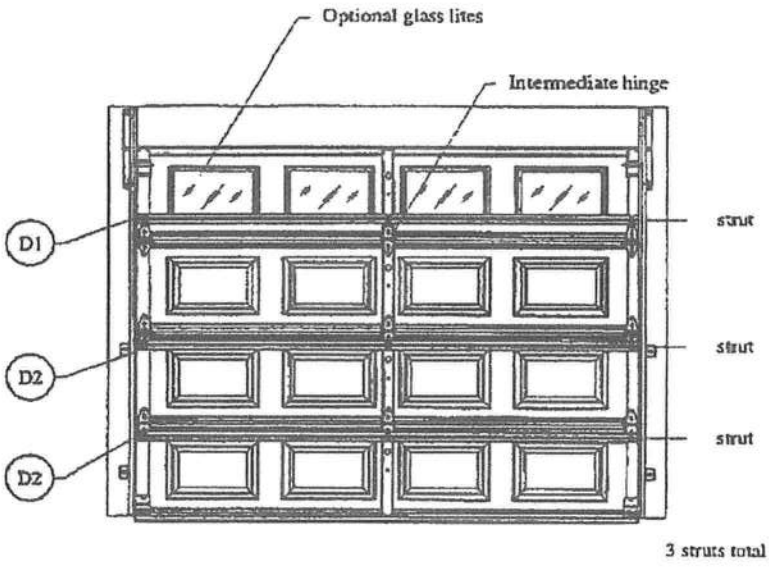
Strut above hinge

Detail 1



Strut on bottom half of hinge

Detail 2

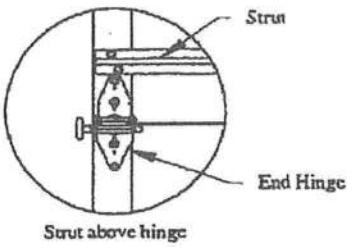


3 struts total

Z3-09045-pan-051608

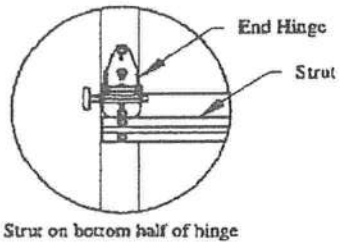
Five Section High Doors
9'-0" wide

Strut Placement



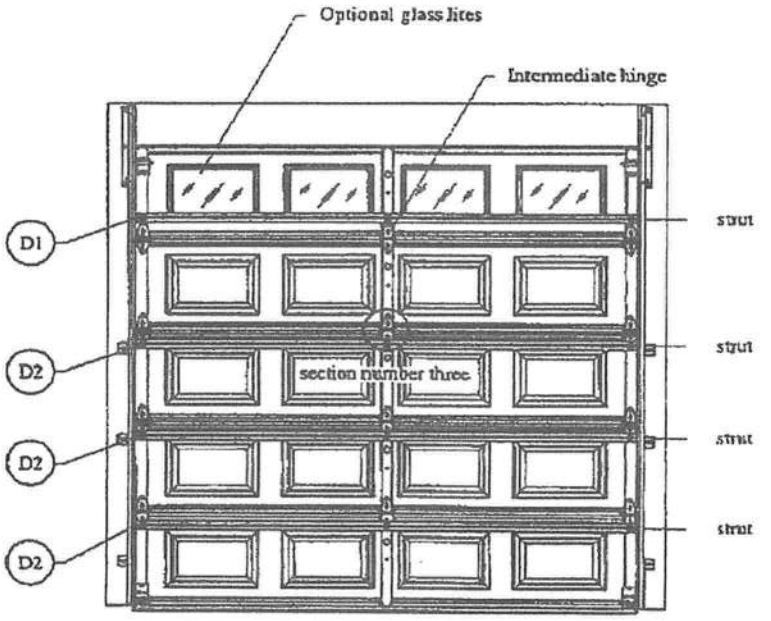
Strut above hinge

Detail 1



Strut on bottom half of hinge

Detail 2



Additional sections may be added for a maximum door height of 14'-0". Each additional section must have one strut as shown above in section number three and be installed above the third section.

4 struts total

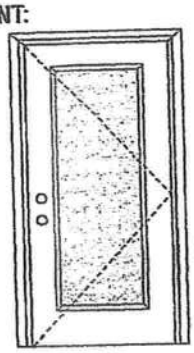
Z3-09045-pan-051608

COP-WL-JH4141-02

X
Glazed Inswing Unit

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".

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.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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.

MINIMUM ASSEMBLY DETAIL:

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

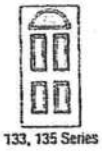
MINIMUM INSTALLATION DETAIL:

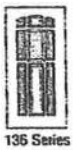
Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series

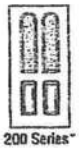

822 Series

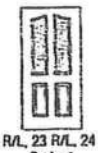
1/2 GLASS:

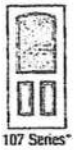

105 Series*


106, 160 Series*


129 Series*


200 Series*


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


107 Series*


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

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 Balthy

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

Test Data Review Certificate #30264147A and COP/Test Report Validation Matrix #30264147A-001 provides additional information - available from the ITS/WH website (www.etsandw.com), the Masonite website (www.doteonite.com) or the Masonite technical center.

Johnson EntrySystems

June 17, 2002
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PREMDOR Fiberglass Premium Quality Doors

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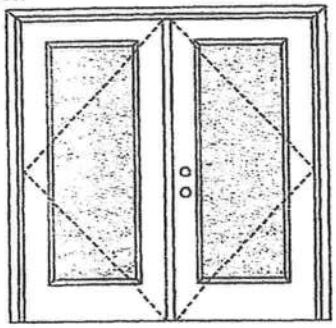
Masonite International Corporation

XX
Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

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.etisemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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.

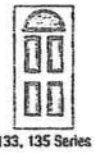
MINIMUM INSTALLATION DETAIL:

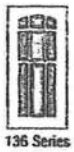
Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series

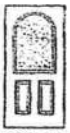

133, 135 Series


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™

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 Balthy

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

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.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002
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PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

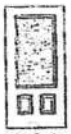
OXO
Glazed Inswing Unit

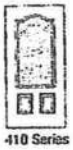
COP-WL-JH4144-02

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

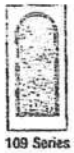

200 Series


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

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.atlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson EntrySystems

June 17, 2002
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PREMDOOR Collection Premium Quality Doors

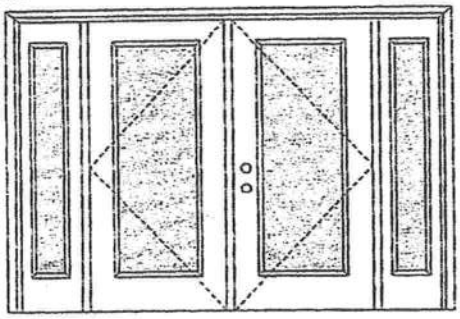
Exclusively from Masonite®
Masonite International Corporation

OXXO
Glazed Inswing Unit

COP-WL-JH4145-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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.

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.etlsemko.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-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

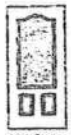
*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

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 Balthazor

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

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.etlcemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002
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PREMDOR Collection Premium Quality Doors

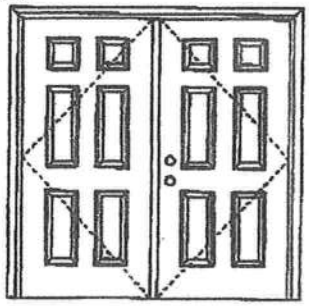
Exclusively from Masonite®
Masonite International Corporation

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
Emitted 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 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.atlaswhs.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".

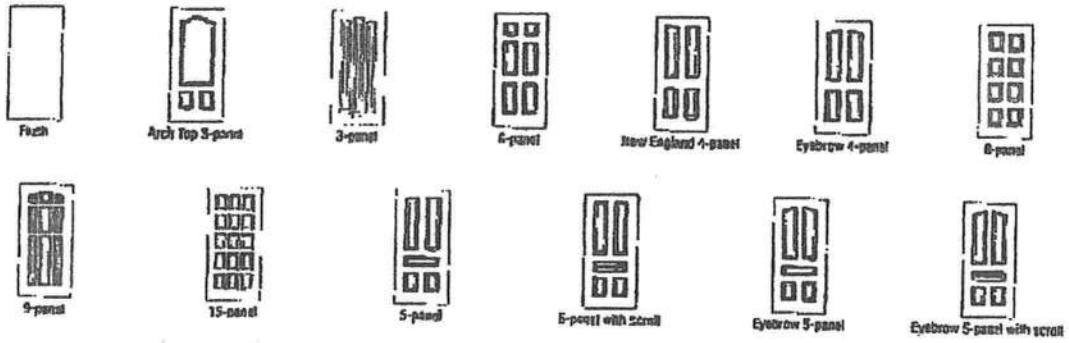
MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Johnson EntrySystems

June 17, 2002
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PREMDOOR Collection Premium Quality Doors

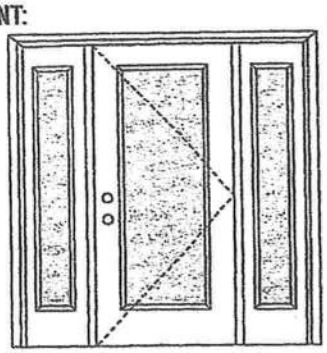
Masonite® Exclusively from Masonite International Corporation

OXO
Glazed Inswing Unit

COP-WL-JH4144-02

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.etlsemko.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

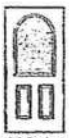

133, 135 Series

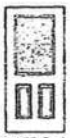

136 Series


680 Series


822 Series

1/2 GLASS:

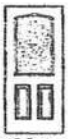

105 Series*


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

PREMDOR Collection Premium Quality Doors

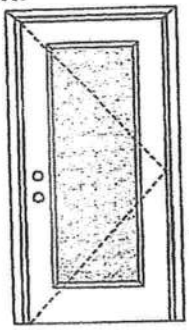
Exclusively from Masonite®
Masonite International Corporation

COP-WL-JH4141-02

X
Glazed Inswing Unit

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".

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.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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.

MINIMUM ASSEMBLY DETAIL:

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

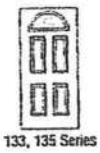
MINIMUM INSTALLATION DETAIL:

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

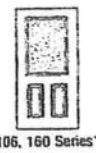

135 Series


680 Series

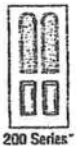

822 Series

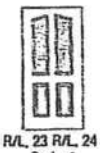
1/2 GLASS:

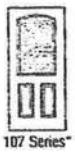

105 Series*


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

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 Balthy

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

Test Data Review Certificate #3026147A and COP/Test Report Validation Matrix #3026147A-001 provides additional information - available from the ITS/WH website (www.qtsworldwide.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, designs and product details subject to change without notice.

PREMDOR Collection Premium Quality Doors

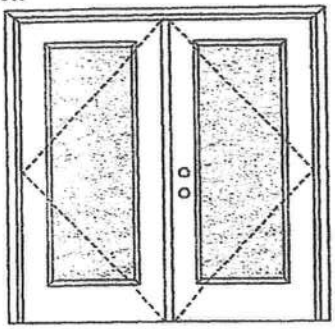
Exclusively from Masonite®
Masonite International Corporation

XX
Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

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.ellsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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:

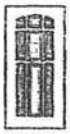
Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

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™

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 Balthy

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

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.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson EntrySystems

June 17, 2002
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PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

OXO
Glazed Inswing Unit

COP-WL-JH4144-02

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

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.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002
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PREMDOR Collection Premium Quality Doors

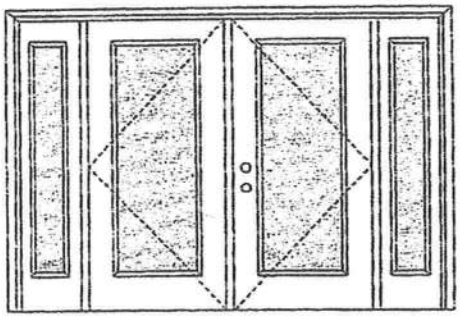
Exclusively from Masonite®
Masonite International Corporation

OXXO
Glazed Inswing Unit

COP-WL-JH4145-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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.

Warnock Hersey

Test Data Review Certificate #3028447A and COP/Test Report Validation Matrix #3028447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.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-MA0005-02 or MAD-WL-MA0008-02 and MAD-WL-MA0041-02.

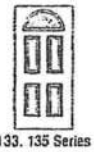
MINIMUM INSTALLATION DETAIL:

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

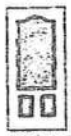
*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

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 Balthy

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

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.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®

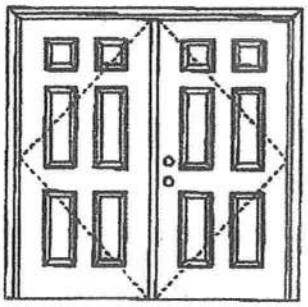
Masonite International Corporation

XX
Opaque Inswing Unit

COP-WL-JH4102-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Design Pressure
+45.0/-45.0
Emitted 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 edition required.

Intertek Testing

Test Data Review Certificate #3026447A and COPYtest Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.intertek.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".

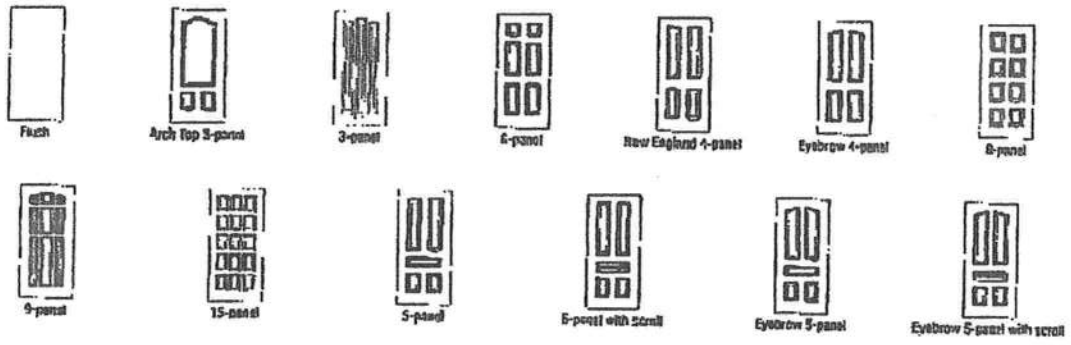
MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Johnson EntrySystems

June 17, 2002
Our continuing program of product improvement means specifications, styles and prices are subject to change without notice.

PREMDOR Collection Premium Quality Doors

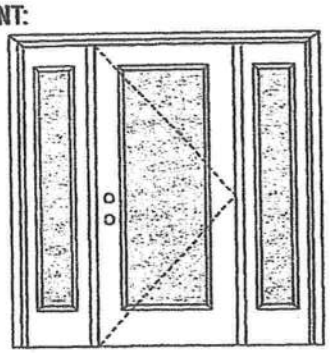
Masonite® Masonite International Corporation

OXO
Glazed Inswing Unit

COP-WL-JH4144-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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.etlsemko.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".

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.

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.

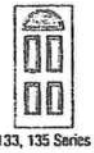
MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

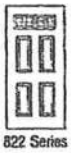
1/4 GLASS:


100 Series

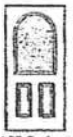

133, 135 Series

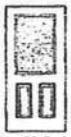

136 Series


680 Series


822 Series

1/2 GLASS:

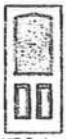

105 Series*


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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PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

Tuwuana O. Rossin

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) **SHALL BE USED.**

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			✓		
3	Condition space (Sq. Ft.) 2915		Total (Sq. Ft.) under roof 4956	IIIIIIII	IIIIIIII	IIIII

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	✓		
5	Dimensions of all building set backs	✓		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	✓		
7	Provide a full legal description of property. warranty deed.	✓		

Wind-load Engineering Summary, calculations and any details required

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII	IIIII	IIIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour 110 mPH	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys non-vented			✓
18	Location and size of skylights with Florida Product Approval			✓
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade	✓		
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)	✓		
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plan (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.			✓
32	Assumed load-bearing valve of soil 1000 Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. **Protection shall be provided by registered termiticides** Treat Soil	✓		

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement Wood Frame			✓

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and or priers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓
45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &			✓

48	intermediate of the areas structural panel sheathing			✓
49	Show Draftstopping, Fire caulking and Fire blocking			✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	✓		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	✓		
67	Valley framing and support details	✓		
68	Provide dead load rating of rafter system	✓		

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	✓		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	✓		
74	Attic space R-38	✓		
75	Exterior wall cavity R-19	✓		
76	Crawl space Concrete Floor.			✓

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans locations in bathrooms	✓		
79	Show clothes dryer route and total run of exhaust duct	✓		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan			✓
81	Show the location of water heater	✓		

Private Potable Water

82	Pump motor horse power 1 1/2 H.P.	✓		
83	Reservoir pressure tank gallon capacity 86 Gal.	✓		
84	Rating of cycle stop valve if used 30 Gal. per min.	✓		

Electrical layout shown including

85	Switches, outlets receptacles, lighting and all required GFCI outlets identified	✓		
86	Ceiling fans	✓		
87	Smoke detectors & Carbon dioxide detectors	✓		
88	Service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors. of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.	✓		

90	Appliances and HVAC equipment and disconnects	✓		
91	Arc Fault Circuits (AFCI) in bedrooms	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	**City of Lake City** A permit showing an approved waste water sewer tap			✓
96	**Toilet facilities shall be provided for all construction sites**	✓		
97	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓
98	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓
100	A development permit will also be required. Development permit cost is **$50.00**			✓
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.	✓		
102	**911 Address:** If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days afte the date of filing, unless such application has been pursued in good faith or a permit has been issued; excep that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the applica or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance a permit prevent the building official from thereafter requiring a correction of errors in plans, constructio or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became r and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effe at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applica will be notified by phone as to the date and time a building permit will prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____ **Project Name:** Tuwuana Rossin

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung		Atrium Series 150	FL6208.4
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other Slider			FL7836.1
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts		Copies turned in	
5. Curtain walls			
6. Wall louver		with plans	
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Tuwuana Rossin

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers		Copies turned in with plans	
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspectic

Kimmy Edgley
Contractor or Contractor's Authorized Agent Signature

Kimmy Edgley
Print Name

8-12-09
Date

Residential System Sizing Calculation

Summary

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

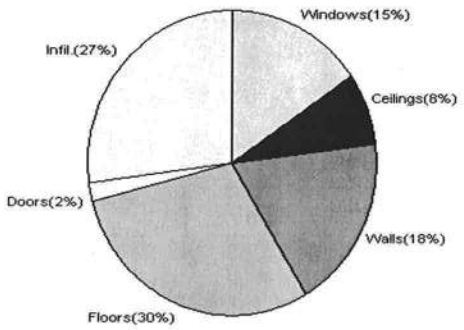
8/11/2009

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	**48514**	**Btuh**	**Total cooling load calculation**	**41164**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	117.5	57000	Sensible (SHR = 0.75)	127.5	42750
Heat Pump + Auxiliary(0.0kW)	117.5	57000	Latent	186.6	14250
			Total (Electric Heat Pump)	138.5	57000

WINTER CALCULATIONS

Winter Heating Load (for 2915 sqft)

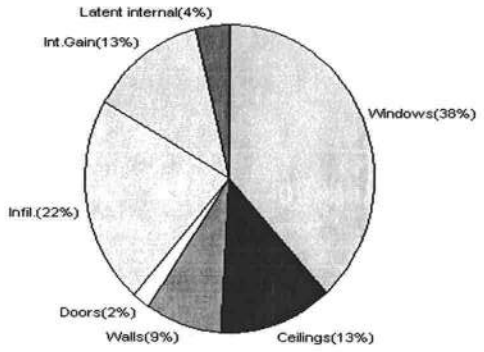
Load component			Load	
Window total	405	sqft	7498	Btuh
Wall total	2719	sqft	8928	Btuh
Door total	73	sqft	945	Btuh
Ceiling total	3142	sqft	3702	Btuh
Floor total	331	sqft	14451	Btuh
Infiltration	321	cfm	12988	Btuh
Duct loss			0	Btuh
Subtotal			**48514**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**48514**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2915 sqft)

Load component			Load	
Window total	405	sqft	15758	Btuh
Wall total	2719	sqft	3536	Btuh
Door total	73	sqft	715	Btuh
Ceiling total	3142	sqft	5203	Btuh
Floor total			0	Btuh
Infiltration	165	cfm	3074	Btuh
Internal gain			5240	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**33527**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			6037	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**7637**	**Btuh**
TOTAL HEAT GAIN			**41164**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 8/11/09

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

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

8/11/2009

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, SHGC=0.5, Metal, 0.50	NW	3.0	18.5	56 Btuh
2	2, SHGC=0.5, Metal, 0.50	W	15.0	18.5	278 Btuh
3	2, SHGC=0.5, Metal, 0.50	NW	20.0	18.5	370 Btuh
4	2, SHGC=0.5, Metal, 0.50	N	10.0	18.5	185 Btuh
5	2, SHGC=0.5, Metal, 0.50	NW	20.0	18.5	370 Btuh
6	2, SHGC=0.5, Metal, 0.50	NW	36.0	18.5	666 Btuh
7	2, SHGC=0.5, Metal, 0.50	NW	16.0	18.5	296 Btuh
8	2, SHGC=0.5, Metal, 0.50	NE	60.0	18.5	1110 Btuh
9	2, SHGC=0.5, Metal, 0.50	E	30.0	18.5	555 Btuh
10	2, SHGC=0.5, Metal, 0.50	SE	40.0	18.5	740 Btuh
11	2, SHGC=0.5, Metal, 0.50	SE	8.0	18.5	148 Btuh
12	2, SHGC=0.5, Metal, 0.50	S	30.0	18.5	555 Btuh
13	2, SHGC=0.5, Metal, 0.50	SE	50.0	18.5	925 Btuh
14	2, SHGC=0.5, Metal, 0.50	SE	13.3	18.5	246 Btuh
15	2, SHGC=0.5, Metal, 0.50	SE	20.0	18.5	370 Btuh
16	2, SHGC=0.5, Metal, 0.50	SE	5.0	18.5	92 Btuh
17	2, SHGC=0.5, Metal, 0.50	SW	10.0	18.5	185 Btuh
18	2, SHGC=0.5, Metal, 0.50	SW	3.0	18.5	56 Btuh
19	2, SHGC=0.5, Metal, 0.50	SW	16.0	18.5	296 Btuh
	Window Total		405(sqft)		7498 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	2532	3.3	8314 Btuh
2	Frame - Wood - Ext(0.09)	13.0	187	3.3	614 Btuh
	Wall Total		2719		8928 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		10	12.9	130 Btuh
2	Insulated - Exterior		13	12.9	168 Btuh
3	Insulated - Adjacent		20	12.9	259 Btuh
4	Insulated - Exterior		20	12.9	259 Btuh
5	Insulated - Exterior		10	12.9	130 Btuh
	Door Total		73		945Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	227	1.2	267 Btuh
2	Vented Attic/D/Shin)	30.0	2915	1.2	3435 Btuh
	Ceiling Total		3142		3702Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	331.0 ft(p)	43.7	14451 Btuh
	Floor Total		331		14451 Btuh
			Zone Envelope Subtotal:		35526 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	29150	320.6	12988 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

8/11/2009

Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)	0 Btuh
Zone #1	**Sensible Zone Subtotal**	**48514 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	48514 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	48514 Btuh

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

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

8/11/2009

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.50	NW	3.0	18.5	56 Btuh
2	2, SHGC=0.5, Metal, 0.50	W	15.0	18.5	278 Btuh
3	2, SHGC=0.5, Metal, 0.50	NW	20.0	18.5	370 Btuh
4	2, SHGC=0.5, Metal, 0.50	N	10.0	18.5	185 Btuh
5	2, SHGC=0.5, Metal, 0.50	NW	20.0	18.5	370 Btuh
6	2, SHGC=0.5, Metal, 0.50	NW	36.0	18.5	666 Btuh
7	2, SHGC=0.5, Metal, 0.50	NW	16.0	18.5	296 Btuh
8	2, SHGC=0.5, Metal, 0.50	NE	60.0	18.5	1110 Btuh
9	2, SHGC=0.5, Metal, 0.50	E	30.0	18.5	555 Btuh
10	2, SHGC=0.5, Metal, 0.50	SE	40.0	18.5	740 Btuh
11	2, SHGC=0.5, Metal, 0.50	SE	8.0	18.5	148 Btuh
12	2, SHGC=0.5, Metal, 0.50	S	30.0	18.5	555 Btuh
13	2, SHGC=0.5, Metal, 0.50	SE	50.0	18.5	925 Btuh
14	2, SHGC=0.5, Metal, 0.50	SE	13.3	18.5	246 Btuh
15	2, SHGC=0.5, Metal, 0.50	SE	20.0	18.5	370 Btuh
16	2, SHGC=0.5, Metal, 0.50	SE	5.0	18.5	92 Btuh
17	2, SHGC=0.5, Metal, 0.50	SW	10.0	18.5	185 Btuh
18	2, SHGC=0.5, Metal, 0.50	SW	3.0	18.5	56 Btuh
19	2, SHGC=0.5, Metal, 0.50	SW	16.0	18.5	296 Btuh
	Window Total		405(sqft)		7498 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	2532	3.3	8314 Btuh
2	Frame - Wood - Ext(0.09)	13.0	187	3.3	614 Btuh
	Wall Total		2719		8928 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		10	12.9	130 Btuh
2	Insulated - Exterior		13	12.9	168 Btuh
3	Insulated - Adjacent		20	12.9	259 Btuh
4	Insulated - Exterior		20	12.9	259 Btuh
5	Insulated - Exterior		10	12.9	130 Btuh
	Door Total		73		945Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	227	1.2	267 Btuh
2	Vented Attic/D/Shin)	30.0	2915	1.2	3435 Btuh
	Ceiling Total		3142		3702Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	331.0 ft(p)	43.7	14451 Btuh
	Floor Total		331		14451 Btuh
			Zone Envelope Subtotal:		35526 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	29150	320.6	12988 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

8/11/2009

Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)	0 Btuh
Zone #1	**Sensible Zone Subtotal**	**48514 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	48514 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	48514 Btuh

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 8/11/2009

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

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, SHGC=0.5, 0.50, None,N,N	NW	1.5ft.	3ft.	3.0	0.0	3.0	19	42	127 Btuh
2	2, SHGC=0.5, 0.50, None,N,N	W	1.5ft.	8ft.	15.0	0.0	15.0	19	57	852 Btuh
3	2, SHGC=0.5, 0.50, None,N,N	NW	1.5ft.	8ft.	20.0	0.0	20.0	19	42	845 Btuh
4	2, SHGC=0.5, 0.50, None,N,N	N	6ft.	9ft.	10.0	0.0	10.0	19	19	191 Btuh
5	2, SHGC=0.5, 0.50, None,N,N	NW	14.8	9ft.	20.0	0.0	20.0	19	42	845 Btuh
6	2, SHGC=0.5, 0.50, None,N,N	NW	14.8	9ft.	36.0	0.0	36.0	19	42	1522 Btuh
7	2, SHGC=0.5, 0.50, None,N,N	NW	14.8	7ft.	16.0	0.0	16.0	19	42	676 Btuh
8	2, SHGC=0.5, 0.50, None,N,N	NE	1.5ft.	7ft.	60.0	0.0	60.0	19	42	2536 Btuh
9	2, SHGC=0.5, 0.50, None,N,N	E	1.5ft.	8ft.	30.0	0.0	30.0	19	57	1704 Btuh
10	2, SHGC=0.5, 0.50, None,N,N	SE	1.5ft.	8ft.	40.0	0.0	40.0	19	44	1765 Btuh
11	2, SHGC=0.5, 0.50, None,N,N	SE	1.5ft.	3ft.	8.0	4.2	3.8	19	44	248 Btuh
12	2, SHGC=0.5, 0.50, None,N,N	S	1.5ft.	8ft.	30.0	30.0	0.0	19	23	572 Btuh
13	2, SHGC=0.5, 0.50, None,N,N	SE	1.5ft.	8ft.	50.0	0.0	50.0	19	44	2206 Btuh
14	2, SHGC=0.5, 0.50, None,N,N	SE	10ft.	8ft.	13.3	13.3	0.0	19	44	254 Btuh
15	2, SHGC=0.5, 0.50, None,N,N	SE	10ft.	7ft.	20.0	20.0	0.0	19	44	382 Btuh
16	2, SHGC=0.5, 0.50, None,N,N	SE	10ft.	2ft.	5.0	5.0	0.0	19	44	95 Btuh
17	2, SHGC=0.5, 0.50, None,N,N	SW	9.5ft.	8ft.	10.0	10.0	0.0	19	44	191 Btuh
18	2, SHGC=0.5, 0.50, None,N,N	SW	1.5ft.	3ft.	3.0	1.6	1.4	19	44	93 Btuh
19	2, SHGC=0.5, 0.50, None,N,N	SW	1.5ft.	6ft.	16.0	2.1	13.9	19	44	654 Btuh
	Window Total				405 (sqft)					15758 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Face Brick - Wood - Ext	13.0/0.09	2531.7	1.2	3146 Btuh
2	Frame - Wood - Ext	13.0/0.09	187.0	2.1	390 Btuh
	Wall Total		2719 (sqft)		3536 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	10.0	9.8	98 Btuh
2	Insulated - Exterior	13.0	9.8	127 Btuh
3	Insulated - Adjacent	20.0	9.8	196 Btuh
4	Insulated - Exterior	20.0	9.8	196 Btuh
5	Insulated - Exterior	10.0	9.8	98 Btuh
	Door Total	73 (sqft)		715 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	227.0	1.7	376 Btuh
2	Vented Attic/DarkShingle	30.0	2915.0	1.7	4827 Btuh
	Ceiling Total		3142 (sqft)		5203 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	331 (ft(p))	0.0	0 Btuh
	Floor Total		331.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	25213 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

8/11/2009

Infiltration	Type SensibleNatural	ACH 0.34		Volume(cuft) 29150		CFM= 165.2	Load 3074	Btuh
Internal gain		Occupants 8	X	Btuh/occupant 230	+	Appliance 3400	Load 5240	Btuh
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)					DGM = 0.00	0.0	Btuh
						Sensible Zone Load	**33527**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

8/11/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**33527**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**33527**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
	Total sensible gain	**33527**	**Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6037	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**7637**	**Btuh**
	TOTAL GAIN	**41164**	**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)

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System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 8/11/2009

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

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, SHGC=0.5, 0.50, None,N,N	NW	1.5ft.	3ft.	3.0	0.0	3.0	19	42	127 Btuh
2	2, SHGC=0.5, 0.50, None,N,N	W	1.5ft.	8ft.	15.0	0.0	15.0	19	57	852 Btuh
3	2, SHGC=0.5, 0.50, None,N,N	NW	1.5ft.	8ft.	20.0	0.0	20.0	19	42	845 Btuh
4	2, SHGC=0.5, 0.50, None,N,N	N	6ft.	9ft.	10.0	0.0	10.0	19	19	191 Btuh
5	2, SHGC=0.5, 0.50, None,N,N	NW	14.8	9ft.	20.0	0.0	20.0	19	42	845 Btuh
6	2, SHGC=0.5, 0.50, None,N,N	NW	14.8	9ft.	36.0	0.0	36.0	19	42	1522 Btuh
7	2, SHGC=0.5, 0.50, None,N,N	NW	14.8	7ft.	16.0	0.0	16.0	19	42	676 Btuh
8	2, SHGC=0.5, 0.50, None,N,N	NE	1.5ft.	7ft.	60.0	0.0	60.0	19	42	2536 Btuh
9	2, SHGC=0.5, 0.50, None,N,N	E	1.5ft.	8ft.	30.0	0.0	30.0	19	57	1704 Btuh
10	2, SHGC=0.5, 0.50, None,N,N	SE	1.5ft.	8ft.	40.0	0.0	40.0	19	44	1765 Btuh
11	2, SHGC=0.5, 0.50, None,N,N	SE	1.5ft.	3ft.	8.0	4.2	3.8	19	44	248 Btuh
12	2, SHGC=0.5, 0.50, None,N,N	S	1.5ft.	8ft.	30.0	30.0	0.0	19	23	572 Btuh
13	2, SHGC=0.5, 0.50, None,N,N	SE	1.5ft.	8ft.	50.0	0.0	50.0	19	44	2206 Btuh
14	2, SHGC=0.5, 0.50, None,N,N	SE	10ft.	8ft.	13.3	13.3	0.0	19	44	254 Btuh
15	2, SHGC=0.5, 0.50, None,N,N	SE	10ft.	7ft.	20.0	20.0	0.0	19	44	382 Btuh
16	2, SHGC=0.5, 0.50, None,N,N	SE	10ft.	2ft.	5.0	5.0	0.0	19	44	95 Btuh
17	2, SHGC=0.5, 0.50, None,N,N	SW	9.5ft.	8ft.	10.0	10.0	0.0	19	44	191 Btuh
18	2, SHGC=0.5, 0.50, None,N,N	SW	1.5ft.	3ft.	3.0	1.6	1.4	19	44	93 Btuh
19	2, SHGC=0.5, 0.50, None,N,N	SW	1.5ft.	6ft.	16.0	2.1	13.9	19	44	654 Btuh
	Window Total				405 (sqft)					15758 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Face Brick - Wood - Ext	13.0/0.09	2531.7	1.2	3146 Btuh
2	Frame - Wood - Ext	13.0/0.09	187.0	2.1	390 Btuh
	Wall Total		2719 (sqft)		3536 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	10.0	9.8	98 Btuh
2	Insulated - Exterior	13.0	9.8	127 Btuh
3	Insulated - Adjacent	20.0	9.8	196 Btuh
4	Insulated - Exterior	20.0	9.8	196 Btuh
5	Insulated - Exterior	10.0	9.8	98 Btuh
	Door Total	73 (sqft)		715 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	227.0	1.7	376 Btuh
2	Vented Attic/DarkShingle	30.0	2915.0	1.7	4827 Btuh
	Ceiling Total		3142 (sqft)		5203 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	331 (ft(p))	0.0	0 Btuh
	Floor Total		331.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	25213 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

8/11/2009

Infiltration	Type SensibleNatural	ACH 0.34	Volume(cuft) 29150		CFM= 165.2	Load 3074	Btuh
Internal gain		Occupants 8	Btuh/occupant X 230	+	Appliance 3400	Load 5240	Btuh
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0	Btuh
					Sensible Zone Load	**33527**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

Class 3 Rating
Registration No. 0
Climate: North

8/11/2009

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**33527**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**33527**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	**Total sensible gain**	**33527**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	6037	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**7637**	**Btuh**
	TOTAL GAIN	**41164**	**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

Tuwuana Rossin
567 NW Rossin Ct.
Lake City, FL 32055-

Project Title:
904146RossinTuwuana

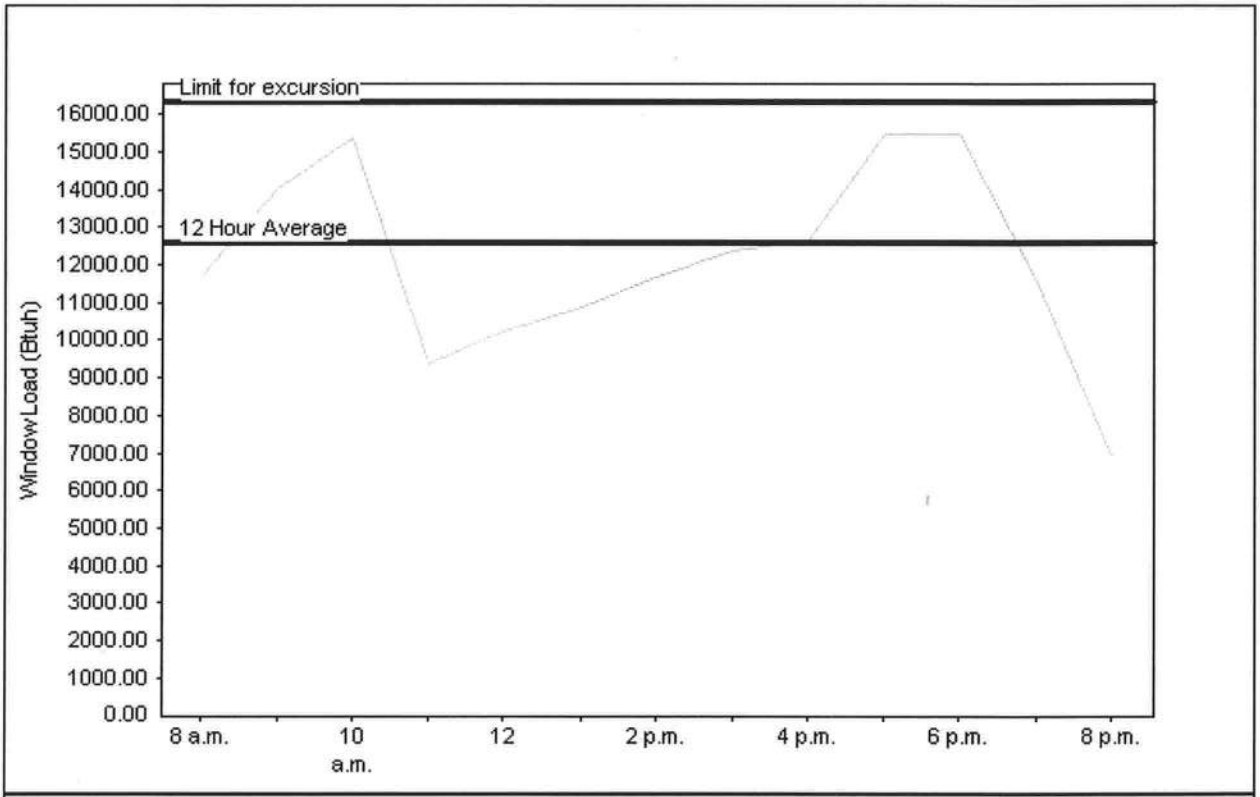
Class 3 Rating
Registration No. 0
Climate: North

8/11/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	12564 Btu
Summer setpoint	75 F	Peak window load for July	15462 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	16333 Btu
Latitude	29 North	Window excursion (July)	None

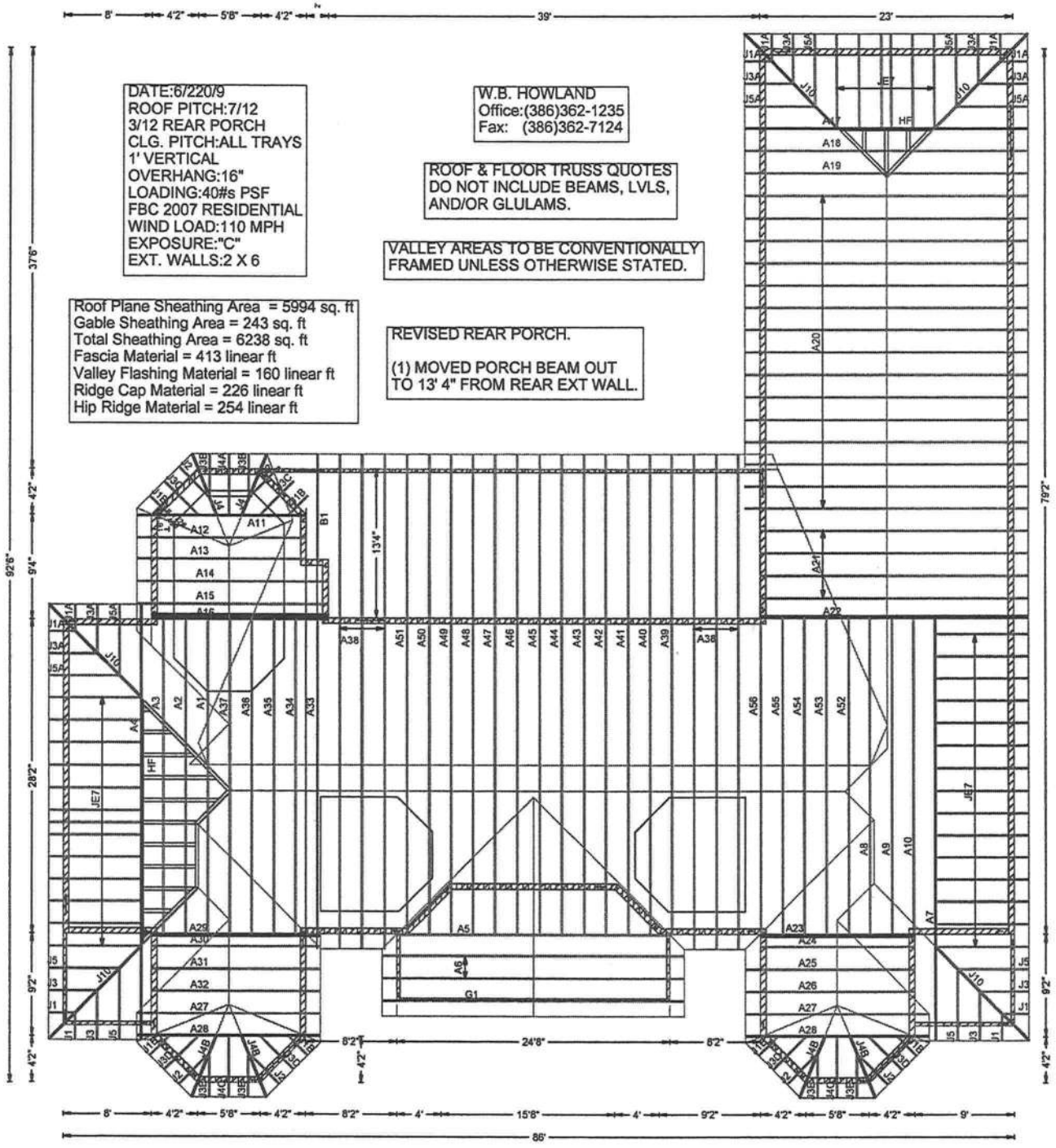
WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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:
DATE: 8/11/09



Job Name: ROSSIN
Customer: EDGELY CONSTRUCTION
Designer: Lynn Bell

JOB NO:
6282

PAGE NO:
1 OF 1