Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000023686

STEPHEN J. CRAWFORD — PHONE 755.5068
POB 1330 — LAKE CITY — FL 32056
O... STEPHEN J. CRAWFORD — PHONE 755.5068
ADDRESS 452 NW AMBLESIDE DRIVE — LAKE CITY — FL 32055
CONTRACTOR STEPHEN J. CRAWFORD — PHONE 755.5068
LOCATION OF PROPERTY 90-W TO LAKE JEFFERY RD, TR ON BRIDGEWATER,TO AMBLESIDE DR,'
TL TOWARDS THE END ON L.

TYPE DEVELOPMENT SFD/UTILITY — ESTIMATED COST OF CONSTRUCTION 132800.00
HEATED FLOOR AREA 2656.00 — TOTAL AREA 3670.00 — HEIGHT 26.00 — STORIES 1
FOUNDATION CONC — WALLS FRAMED — ROOF PITCH 8'12 — FLOOR CONC
LAND USE & ZONING RSF-2 — MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 — REAR 15.00 — SIDE 10.00
NO. EX.D.U. 0 — FLOOD ZONE XPP — DEVELOPMENT PERMIT NO.

PARCEL ID 24-3S-16-02275-125 — SUBDIVISION COBBLESTONE
LOT 25 — BLOCK — PHASE — UNIT 2 — TOTAL ACRES .63

000000833 — Culvert Permit No.
Culvert Waiver
RR0067266 — Contractor's License Number
I Steph Crawford — Applicant/Owner/Contractor
18"X32'MITERED — Driveway Connection
05-0900-N — Septic Tank Number
BLK — LU & Zoning checked by
Approved for Issuance
N — New Resident

COMMENTS: NOC ON FILE
1 FOOT ABOVE ROAD.
Check # or Cash 6846

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE $ 665.00 — CERTIFICATION FEE $ 18.35 — SURCHARGE FEE $ 18.35
MISC. FEES $ [illegible] — ZONING CERT. FEE $ 50.00 — FIRE FEE $ .00 — WASTE FEE $
FLOOD DEVELOPMENT FEE $ — FLOOD ZONE FEE $ 25.00 — CULVERT FEE $ 25.00 — **TOTAL FEE** 801.70
INSPECTORS OFFICE — CLERKS OFFICE CN

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

STRUCTURAL HORIZONTAL MULLION - NAIL FIN type 650 SH / PW

NOTE: If you are stacking a single unit over another single unit, such as a roundhead over a single hung, NO HORIZONTAL MULL IS REQUIRED.

IMPORTANT ! Before you begin, 1/4" must be sawed off the top end of the vertical mullion before the lower windows are twinned. Follow all steps on vertical mull instruction sheet first.

Note: • Overall length of mull is to be the same as the overall frame to frame dimension of the mulled units below, including the vertical mull. EXAMPLE: For twin 3'-0", mull length will be 35 1/8" window + 1 1/4" mull + 35 1/8" window = 71 1/2".

Step 1. Strip fins from head of windows to be mounted below transom.

Step 2. Place windows and mulls together as shown below.

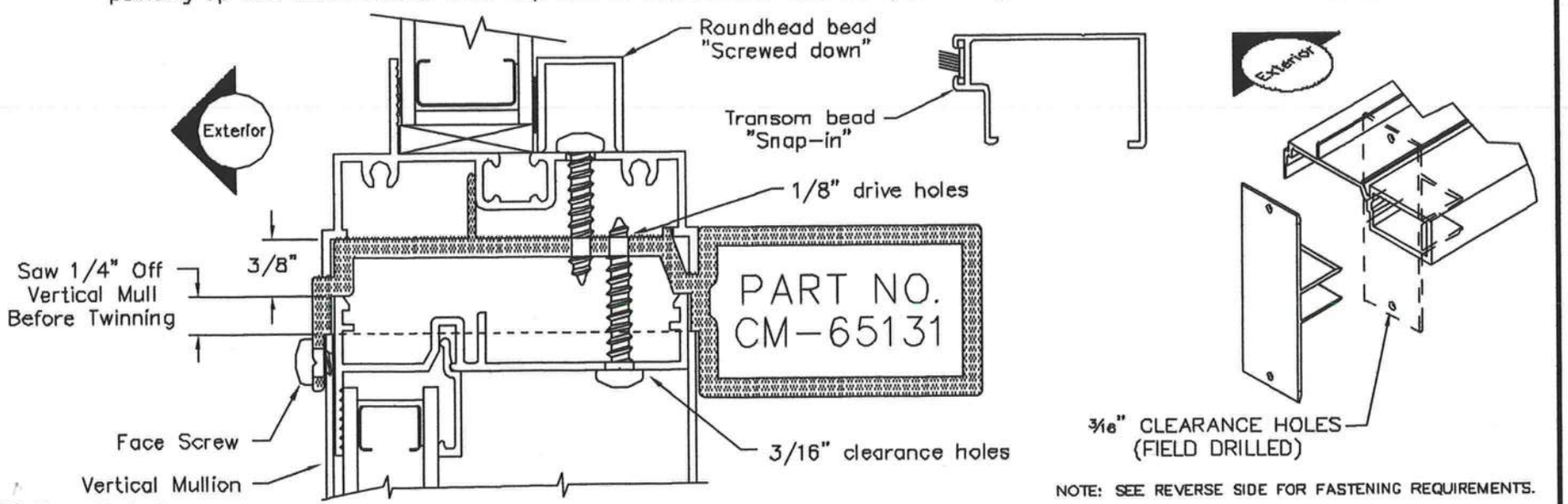
Step 3. Remove bottom glazing bead from transom / roundhead. With a 1/8" drill bit, pre-drill down through the sill and into the mullion. Re-drill sill hole only to 3/16". Fasten with #8 X 1" sheet metal screws (not included).

Step 4. Again with the 1/8" drill, drill up through the heads of the lower units into the mull. Re-drill heads of lower unit with 3/16" drill and fasten with #8 x 1" sheet metal screws.

PLACE SCREWS 3" FROM EACH END AND DO NOT EXCEED 18" SPACING OF REMAINING SCREWS.

Step 5. The vertical mull "telescopes" 3/8" into the underside of the horizontal mull to lock it in place structurally. To fasten, drill a 1/8" hole, as shown below, through the horizontal mull and vertical mull. Re-drill the horizontal mull only with 3/16" bit and fasten with a "face" screw. For best appearance, countersink and use a flathead screw.

Step 6. Before lifting into rough opening, drill two holes in each clip and insert into each end of mull as shown below with tabs pointing up and down. Fasten each clip tab to construction with two #10 X 1 1/2" screws for structural integrity.

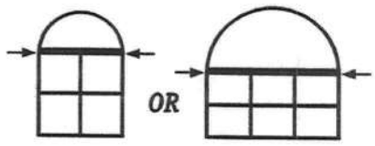


NOTE: SEE REVERSE SIDE FOR FASTENING REQUIREMENTS.

MI HOME PRODUCTS

HORIZONTAL MULLION DESIGN LOAD CAPACITIES

FOR EXTRUDED ALUMINUM TUBE MULLION (CM-65131)
WHEN USED FOR MULLING TRANSOM



MULL SPAN > WDW. HGT. V	48.000	53.000	72.000	74.000	96.000	106.250	108.000
26.000	338	260	115	107	53	37	35
36.000	309	235	103	96	48	33	31
38.375	305	231	101	94	47	33	31
48.000	298	222	94	87	43	30	28
50.625	298	221	93	86	43	30	28
60.000	298	221	90	83	40	28	26
63.000	298	221	89	82	40	28	26
72.000	298	221	88	81	39	27	25
72.250	298	221	88	81	39	27	25

NOTES:

* CHART APPLIES ONLY TO EXTRUDED ALUMINUM MULLION (CM-65131) USED HORIZONTALLY.
* CHART ASSUMES TRANSOM HEIGHT TO BE ONE HALF MULLION SPAN.
* WINDOW HEIGHTS SHOWN ON "Y" AXIS OF CHART DESIGNATE HEIGHT OF WINDOWS BELOW MULLION AND DO NOT INCLUDE TRAMSOM HEIGHT.
* READ MULLION SPAN AND WINDOW HEIGHT IN INCHES.
* DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.
* DESIGN LOAD CAPACITIES SHOWN ON THIS CHART DO NOT CONSIDER ANY STRENGTH WHICH MAY BE OBTAINED FROM FRAME MEMBERS OF ADJACENT WINDOWS.
* Dmax = L / 175
* INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY:
PRODUCT TECHNOLOGY CORPORATION
250 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0365 / FAX 407 805-0366

STRUCTURAL VERTICAL MULLION - NAIL FIN type 650 SH / PW

MULLION PART # CM-65130

NOTE: If adding a transom, roundhead, etc., saw 1/4" off the top of the mull before joining units and refer to horizontal mull instruction sheet.

Step 1. Strip fins from windows where mulls are to be used.

Step 2. Apply a bead of caulk in the mull to seal against window jambs.

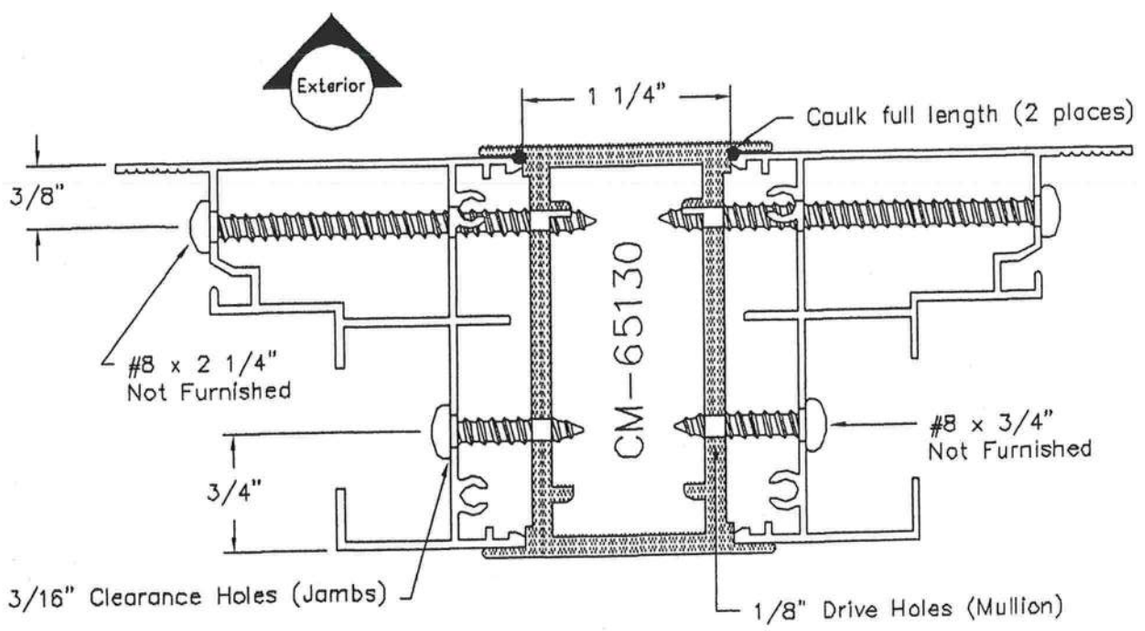
Step 3. Place windows and mullions together as shown below.

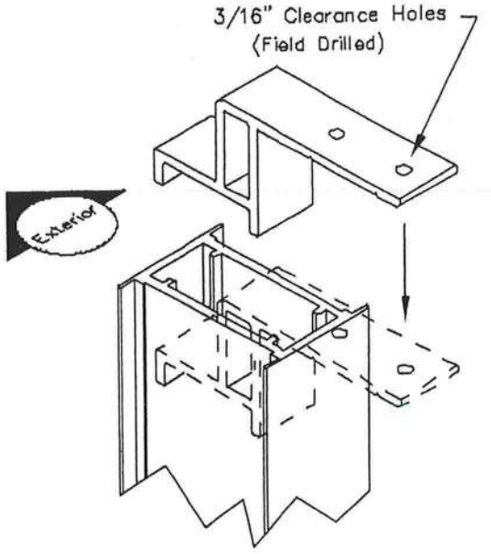
Step 4. The single hung jamb has an exterior track (screen area – bottom half of window) and an interior track (operating sash – upper half of window). In these areas only, drill 1/8" pilot holes through the jambs into the mullion, then re-drill the jambs only with 3/16" clearance holes. Holes should be spaced evenly on approximately 12" to 16" centers.

Step 5. Attach windows to mullion using #8 x 2 1/4" sheet metal screws (not included) through drilled holes in bottom half below. Attach using # 8 x 3/4" screws in top half as shown. To avoid jamb distortion, do not overtighten screws.

Step 6. The gap between window jambs at the top must be flashed and caulked and preferably be covered by construction / overhang to prevent water leakage.

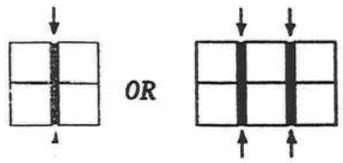
Step 7. Before lifting into rough opening, drill two holes in each clip and insert into each end of mull as shown below with tab pointing to inside. Fasten each clip tab to construction with two #10 x 1 1/2" screws for structural integrity.





NOTE: SEE REVERSE SIDE FOR FASTENING REQUIREMENTS.

M.I. Home Products



MI HOME PRODUCTS

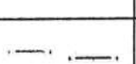
VERTICAL MULLION DESIGN LOAD CAPACITIES
FOR ALUMINUM TUBE MULLION (DIE # CM-65130)

WDW. WIDTH > MULLION SPAN V	19.125	24.000	26.500	36.000	37.000	48.000	53.125
36.000	576	506	483	450	450	450	450
37.375	528	461	439	402	402	402	402
48.000	291	248	233	198	196	186	186
50.625	245	208	194	164	162	151	150
60.000	142	119	111	91	89	79	77
63.000	122	102	94	77	75	66	64
72.000	80	66	61	49	48	41	39
72.250	79	65	60	48	48	41	39

CHART APPLIES ONLY TO EXTRUDED ALUMINUM MULLION (DIE NO: CM-65130)
READ WINDOW WIDTH AND HEIGHT IN INCHES.
DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.
WINDOW WIDTH DIMENSIONS REPRESENT THE WIDTH OF EACH WINDOW IN A SINGLE OPENING, NOT THE OVERALL WID THE OPENING.
DESIGN PRESSURE VALUES SHOWN ON THE ABOVE CHART IS NOT LIMITED TO ONLY TWO WINDOWS IN A SINGLE OPENII CAPACITIES APPLY TO ANY NUMBER OF WINDOWS IN A SINGLE OPENING, PROVIDED WINDOW WIDTH AND MULLION SPA ARE NOT EXCEEDED.
Dmax = L / 175
INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY:
PRODUCT TECHNOLOGY CORPORATION
250 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0365 / FAX 407 805-0366

MAR 31 02
03-0450

SERIES/TYPE	MPH ZONE(S)	REQUIRED MULLION		MAXIMUM SIZES ALLOWED		
				SINGLE UNIT	TWIN UNIT	TRIPLE UNIT
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	N/A	N/A	53-1/8" x 72"	N/A	N/A
650 SH OR PW SNG GLZ OR INS	UP TO 130 MPH	VERTICAL MULL #CM-65130		N/A	53-1/8" x 72"	53-1/8" x 72"
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	VERTICAL MULL #CM-65130		N/A	53-1/8" x 63" OR 42" x 72"	53-1/8" x 63" OR 42" x 72"
650 SH OR PW SNG GLZ OR INS	UP TO 130 MPH	VERTICAL MULL #CM-65129		N/A	53-1/8" x 72"	53-1/8" x 72"
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	VERTICAL MULL #CM-65129		N/A	53-1/8" x 63" OR 42" x 72"	53-1/8" x 63" OR 42" x 72"
650 SH OR PW SNG GLZ OR INS	UP TO 120 MPH	HORIZONTAL MULL #CM-65131		N/A	53-1/8" x 72" W/TRANSOM	32" x 72" W/TRANSOM
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	HORIZONTAL MULL #CM-65131		N/A	45" x 72" W/TRANSOM	30" x 72" W/TRANSOM
650 SH OR PW SNG GLZ OR INS	UP TO 120 MPH	HORIZONTAL MULL #CM-65129		N/A	37" x 72" W/TRANSOM	N/A
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	HORIZONTAL MULL #CM-65129		N/A	30" x 72" W/TRANSOM	N/A
650 SH OR PW SNG GLZ OR INS	UP TO 120 MPH	HORIZONTAL MULL #5767		N/A	53-1/8" x 72" W/TRANSOM	32" x 72" W/TRANSOM
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	HORIZONTAL MULL #5767		N/A	45" x 72" W/TRANSOM	30" x 72" W/TRANSOM

SERIES/TYPE	MPH ZONE(S)	REQUIRED MULLION		MAXIMUM SIZES ALLOWED		
				SINGLE UNIT	TWIN UNIT	TRIPLE UNIT
650 SH OR PW SNG GLZ OR INS	UP TO 120 MPH	HORIZONTAL MULL #5765		N/A	53-1/8" x 72" W/TRANSOM	32" x 72" W/TRANSOM
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	HORIZONTAL MULL #5765		N/A	45" x 72" W/TRANSOM	30" x 72" W/TRANSOM
650 SH OR PW SNG GLZ OR INS	UP TO 110 MPH	SELF-STACKING SILL #CM-45026		53-1/8" x 72" W/TRANSOM	N/A	N/A
650 SH OR PW SNG GLZ OR INS	UP TO 120 MPH	SELF-STACKING SILL #CM-45026		48" x 72" W/TRANSOM	N/A	N/A
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	SELF-STACKING SILL #CM-45026		37" x 72" W/TRANSOM	N/A	N/A
650 SH OR PW SNG GLZ OR INS	UP TO 140 MPH	(NO MULLION)		N/A	36" x 72"	36" x 72"

SELF STACKING SILL - NAIL FIN type

SILL PART No. CM–45026

650 SH / PW

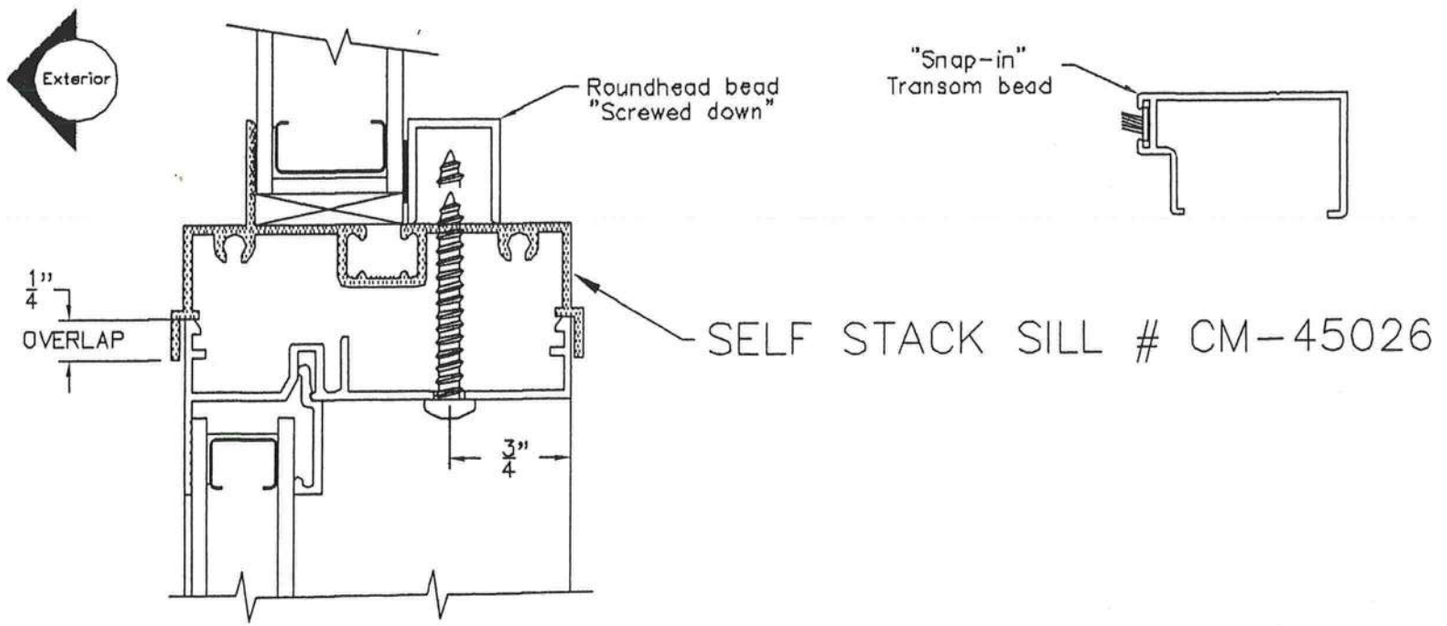
Step 1. Strip fin from head of window to be mounted below the transom / roundhead.

Step 2. Place windows together as shown below.

Note: Place attachment screws 3/4" in from the inside face of the window so the screw points come out under the glazing bead and are concealed.

PLACE SCREWS 3" FROM EACH END AND DO NOT EXCEED 18" SPACING OF REMAINING SCREWS.

Step 3. With the 1/8" drill, drill up through the head of the lower unit into the sill of the transom. Re–drill head of lower unit with 3/16" drill and fasten with #8 x 1 1/4" or 1 1/2" sheet metal screws. Do not over tighten screws as distortion could occur.



M.I. Home Products

MI HOME PRODUCTS

HORIZONTAL MULLION DESIGN LOAD CAPACITIES

FOR EXTRUDED ALUMINUM STACKING MULLION (CM-45026)
WHEN USED FOR MULLING TRANSOM OVER A SINGLE WINDOW

MULL SPAN > WDW. HGT. V	19.125	24.000	26.500	36.000	37.000	48.000	53.125
26.000	608	308	229	95	88	44	33
36.000	608	308	229	91	84	40	30
38.375	608	308	229	91	84	39	30
48.000	608	308	229	91	84	38	29
50.625	608	308	229	91	84	38	28
60.000	608	308	229	91	84	38	28
63.000	608	308	229	91	84	38	28
72.000	608	308	229	91	84	38	28
72.250	608	308	229	91	84	38	28

NOTES:

- CHART APPLIES ONLY TO EXTRUDED ALUMINUM MULLION (CM-45026) USED HORIZONTALLY.
- CHART ASSUMES TRANSOM HEIGHT TO BE ONE HALF MULLION SPAN.
- WINDOW HEIGHTS SHOWN ON "Y" AXIS OF CHART DESIGNATE HEIGHT OF WINDOWS BELOW MULLION AND DO NOT INCLUDE TRAMSOM HEIGHT.
- READ MULLION SPAN AND WINDOW HEIGHT IN INCHES.
- DESIGN PRESSURE VALUES ON THIS CHART ARE IN PSF.
- DESIGN LOAD CAPACITIES SHOWN ON THIS CHART DO NOT CONSIDER ANY STRENGTH WHICH MAY BE OBTAINED FROM FRAME MEMBERS OF ADJACENT WINDOWS.
- Dmax = L / 175
- INSTALLATION OF MULLION: MULLION MUST BE ANCHORED TO SUBSTRATE. CONNECTION MUST BE DESIGNED TO ADEQUATELY TRANSFER LOAD TO THE STRUCTURE. SEE MANUFACTURER'S MULLION INSTALLATION DETAILS.

PREPARED BY:
PRODUCT TECHNOLOGY CORPORATION
250 INTERNATIONAL PARKWAY
SUITE 250
HEATHROW, FLORIDA 32746
PHONE 407 805-0365 / FAX 407 805-0366

04-30a

STRUCTURAL TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650
TYPE: Twin Aluminum Single Hung Window

Title of Test	Results
Overall Design Pressure	35.0 psf
Operating Force	18 lb max.
Air Infiltration	0.29 cfm/ft^2
Water Resistance	5.25 psf
Structural Test Pressure	70.5 psf

Reference should be made to Report No. 01-36060.02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Scott D. Kramer

Scott D. Kramer, Technician

SDK:nlb/baw

ALLEN N. REEVES
CERTIFICATE
NO. 18574
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
28 MARCH 2002

STRUCTURAL TEST REPORT

Rendered to:

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

Report No: 01-36060.02
Test Date: 11/04/99
Report Date: 03/26/02
Expiration Date: 11/04/03

Project Summary: Architectural Testing, Inc. (ATI) was contracted to perform tests on a Series/Model 650, twin aluminum single hung window at MI Home Products' test facility in Elizabethville, Pennsylvania. Test specimen description and results are reported herein.

Test Specification The test specimen was evaluated in accordance with the following:

ASTM E 283-91, *Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*

ASTM E 330-97, *Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference*

ASTM E 547-96, *Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential*

Test Specimen Description:

Series/Model: 650

Type: Twin Aluminum Single Hung Window

Overall Size: 5' 10-1/4" wide by 5' 0" high

Active Size (2): 2' 8-3/4" wide by 2' 6-1/4" high

Fixed Daylight Opening Size (2): 2' 6- 1/4" wide by 2' 3" high

Screen Size (2): 2' 7-3/4" wide by 2' 4-1/4" high

ALLEN N. REEVES
CERTIFICATE
NO. 19359
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
28 MARCH 2002

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

Test Specimen Description: (Continued)

Finish: All aluminum was painted white.

Glazing Details: Both the active sash and fixed lites utilized 5/8" thick insulating glass fabricated from two sheets of 3/32" thick clear annealed glass and a desiccant filled metal spacer system. The active sash were channel glazed with a flexible wedge gasket. The fixed lites were interior glazed, back bedded with single sided adhesive foam tape and held-in-place with PVC snap-in glazing beads.

Weatherstripping:

Description	Quantity	Location
0.270" backed by 0.190" high polypile with center fin	1 Row	Fixed meeting stile
3/8" high vinyl wrapped foam bulb	1 Row	Bottom rail
0.187" backed by 0.250" high polypile with center fin	2 Rows	Stiles
1/4" high polypile dust plug	2 Rows	Ends of bottom rail, top of each stile

Frame Construction: Frame was constructed of extruded aluminum members and all corners were coped, butted, sealed, and fastened with two screws per corner. The fixed meeting rail was attached to the jambs with a plastic clip and two screws per end.

Mullion Construction: The mullion was constructed of an extruded aluminum member. It was fastened to the head and sill with four screws per end. All screw heads were sealed as well as the butt joint at the sill.

Sash Construction: The sash were constructed of extruded aluminum members and all corners were coped, butted, and fastened with one screw per corner.

Screen Construction: The screen was constructed of rolled aluminum members and the corners were keyed. The screen mesh was held-in-place with a flexible spline.

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STATE OF
FLORIDA
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28 MARCH 2002

Test Specimen Description: (Continued)

Hardware:

Description	Quantity	Location
Plastic tilt latches	4	Ends of interior meeting rail
Metal pivot bars	4	Ends of the bottom rails
Metal sweep lock	2	Midspan of interior meeting rail
Metal keeper	2	Midspan of fixed meeting rail
Sash stops	4	One per jamb
Block and tackle balance system	4	One per jamb
Spring loaded latch pins	2	6" from ends of screen top rail

Drainage:

Description	Quantity	Location
Sloped sill		Sill
1/4" wide by 3/16" high weepslot	4	Ends of exterior vertical sill leg

Installation: The test unit was installed into the 2" x 8" nominal Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin and 1" roofing nails. Five per top, bottom, and sides of the nail fin were evenly spaced. The nail fin was bedded in a silicone sealant.

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STATE OF
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PROFESSIONAL ENGINEER

Allen N. Reeves
28 MARCH 2002

Test Results

The results are tabulated as follows:

Title of Test - Test Method	Results	Allowed
Air Infiltration per ASTM E 283-91		
@ 0.56 psf (15 mph)	0.15 cfm/ft^2	0.30 cfm/ft^2
@ 1.57 psf (25 mph)	0.29 cfm/ft^2	0.30 cfm/ft^2
Water Resistance per ASTM E 547-96 (with and without screen)		
WTP = 5.25 psf	No leakage	No leakage
Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (load held for 33 seconds)		
@ 47.0 psf (exterior)	0.010"	0.24" max.
@ 47.0 psf (interior)	0.015"	0.24" max.

Note: No end measurements were taken on the member measured. The measurements stated above include displacement as well as bending. Only permanent sets were recorded, not deflection measurements. This statement applies to all uniform load tests performed.

Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (load held for 10 seconds)		
@ 70.5 psf (exterior)	0.060"	0.24" max.
@ 70.5 psf (interior)	0.040"	0.24" max.

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

For ARCHITECTURAL TESTING, INC:

Scott D. Kramer
Technician

SDK:nlb/baw
01-36060.02

Allen N. Reeves, P.E.
Director – Engineering Services

28 MARCH 2002

ALLEN N. REEVES
CERTIFICATE
NO. 1[illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

Rendered to:

MI HOME PRODUCTS, INC.

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

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

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

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

ALLEN M. REEVES CERTIFICATE NO. 19334 STATE OF FLORIDA PROFESSIONAL ENGINEER

Allen M. Reeves
1 APRIL 2002

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

Rendered to:

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

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allen N. Reeves
1 APRIL 2002

REEVES ... No. 19354 ... STATE OF FLORIDA ... PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

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STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

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

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

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

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

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

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1 APRIL 2002

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Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.

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

	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.05"	0.18" max.
	@ 70.8 psf (negative)	0.05"	0.18" max.

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
CERTIFICATE NO. 19334
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

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

MAH:nlb
01-41134.01

ALLEN N. REEVES
CERTIFICATE
NO. 1[illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650
TYPE: Aluminum Picture Window

Title of Test	Results
Rating	F-R45 60 x 80
Overall Design Pressure	+45.0 psf -47.2 psf
Air Infiltration	0.04 cfm/ft^2
Water Resistance	8.25 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41135.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:nlb

ALLEN N. REEVES
CERTIFICATE
No. [illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

Architectural Testing

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

Rendered to

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

Report No: 01-41135.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650, aluminum picture window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a F-R45 60 x 80 rating.

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

Test Specimen Description:

Series/Model: 650

Type: Aluminum Picture Window

Overall Size: 5' 0" wide by 6' 8" high

Daylight Opening Size: 4' 9-1/4" wide by 6' 5-1/4" high

Finish All aluminum was white.

Glazing Details: The test specimen utilized 7/8" thick, sealed insulating glass constructed from two sheets of 3/16" thick, clear annealed glass and a metal reinforced butyl spacer system. The glass was interior glazed against double-sided adhesive foam tape and secured with aluminum snap-in glazing beads.

ALLEN N. REEVES
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NO. 1[illegible]
STATE OF
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PROFESSIONAL ENGINEER

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

Allen N. Reeves
1 APRIL 2002

Test Specimen Description: (Continued)

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss.

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck. #8 x 2-1/2" installation screws were utilized 18" on center around the interior perimeter. Polyurethane was utilized to seal the exterior.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
	Air Infiltration (ASTM E 283-91)		
	@ 1.57 psf (25 mph)	0.04 cfm/ft^2	0.3 cfm/ft^2 max.

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

	Water Resistance (ASTM E 547-00)		
	WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97)		
	(Measurements reported were taken on the jamb)		
	(Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.01"	0.41" max.
	@ 34.7 psf (negative)	0.01"	0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97)		
	(Measurements reported were taken on the jamb)		
	(Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.0"	0.29" max.
	@ 52.1 psf (negative)	0.01"	0.29" max.

Allen H. Reeves
1 APRIL 2002

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Forced Entry Resistance (ASTM F 588-97)		
	Type: D Grade: 10		
	Hand and Tool Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) WTP = 8.25 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.02"	0.41" max.
	@ 47.2 psf (negative)	0.02"	0.41" max.
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.01"	0.29" max.
	@ 70.8 psf (negative)	0.02"	0.29" max.

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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

MAH:nlb
01-41135.01

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

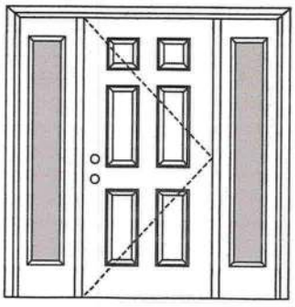
ALLEN N. REEVES
CERTIFICATE
NO. 12254
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

OXO
Opaque Inswing Unit

COP-WL-JH4104-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Single Door with 2 Sidelites
Maximum unit size = 9'0" 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.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Design Pressure

+57.0/-57.0 with maximum sidelite panel width of 1'2"
+45.0/-45.0 with maximum sidelite panel width of 3'0"
limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED on opaque panels, but is required on glazed panels.

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:

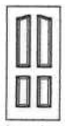

Flush


Arch Top 3-panel


3-panel


6-panel


New England 4-panel


Eyebrow 4-panel


8-panel


9-panel


15-panel


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

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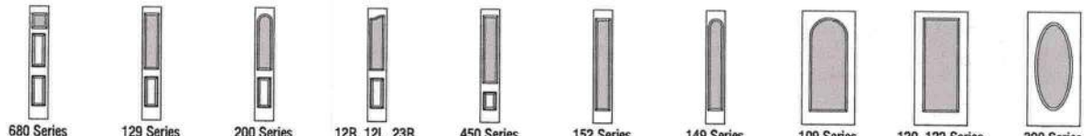
Masonite International Corporation

OXO
Opaque Inswing Unit

COP-WL-JH4104-02

WOOD-EDGE STEEL DOORS

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 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL-210-1880-7, 9, 10, 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. 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
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

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.

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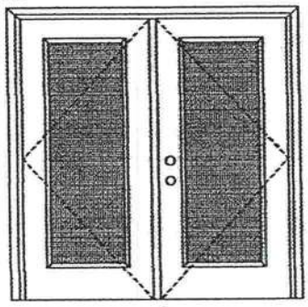
XX
Glazed Outswing Unit

COP-WL-JH4162-02

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

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

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

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

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

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 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:

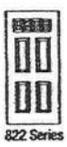
1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

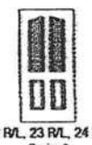
1/2 GLASS:


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.

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XX
Glazed Outswing Unit

COP-WL-JH4162-02

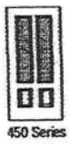
WOOD-EDGE STEEL DOORS

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

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 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 bumper 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.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson EntrySystems

June 17, 2002
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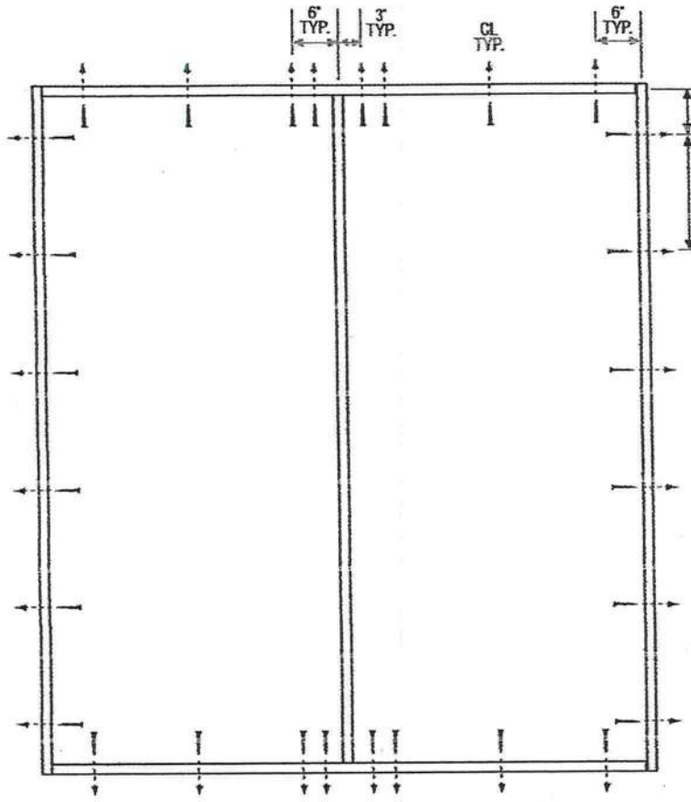
XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3147, 3167, 3242*, 3247, 3262* or 3267**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREMDOR Collection Premium Quality Doors

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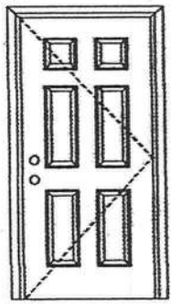
Masonite International Corporation

X
Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

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

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

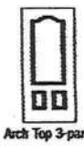
Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0011-02.

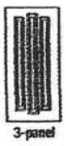
MINIMUM INSTALLATION DETAIL:

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

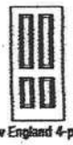
APPROVED DOOR STYLES:


Flush

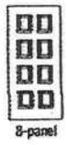

Arch Top 3-panel


3-panel


6-panel


New England 4-panel


Eyebrow 4-panel


8-panel


9-panel


15-panel


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

X
Opaque Outswing Unit

COP-WL-JH4121-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2178-1, 2, 3

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

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

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

Frame constructed of wood with an extruded aluminum bumper 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

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.

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Masonite International Corporation

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

Prestique I *High Definition*

Product size	13¼"x 39⅜"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	14

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

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

Raised Profile

Product size	13¼"x 38¾"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

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

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™

Size: 12"x 12"
Exposure: 6⅔"
Pieces/Bundle: 45
Coverage: 4 Bundles = 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: 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 roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

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

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

***See actual limited warranty for conditions and limitations.**
****Check for product availability.**

Specifications

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

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

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

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

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

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

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

Southeast & Atlantic Office:
800.945.5551

Corporate Headquarters:
800.354.7732

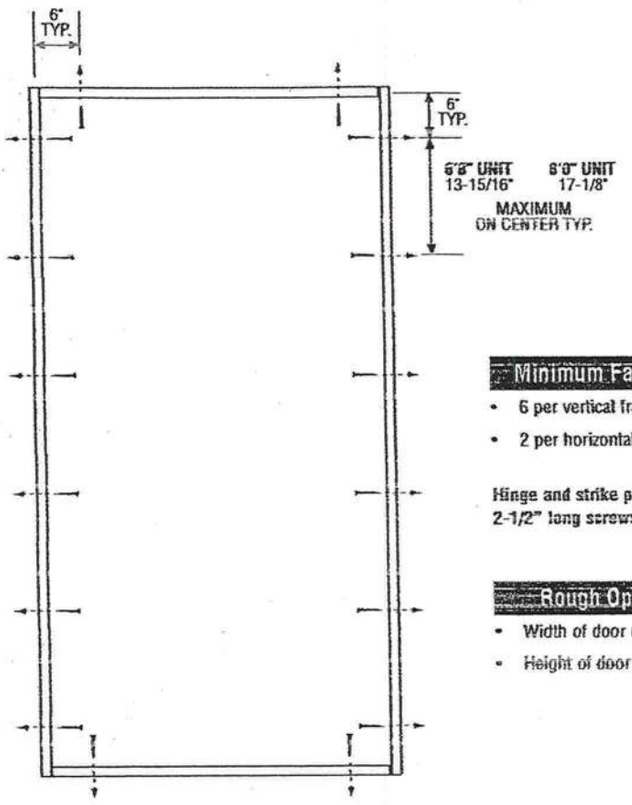
Plant Location:
800.945.5545

ELK
www.elkcorp.com

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3146, 3166, 3241*, 3246, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

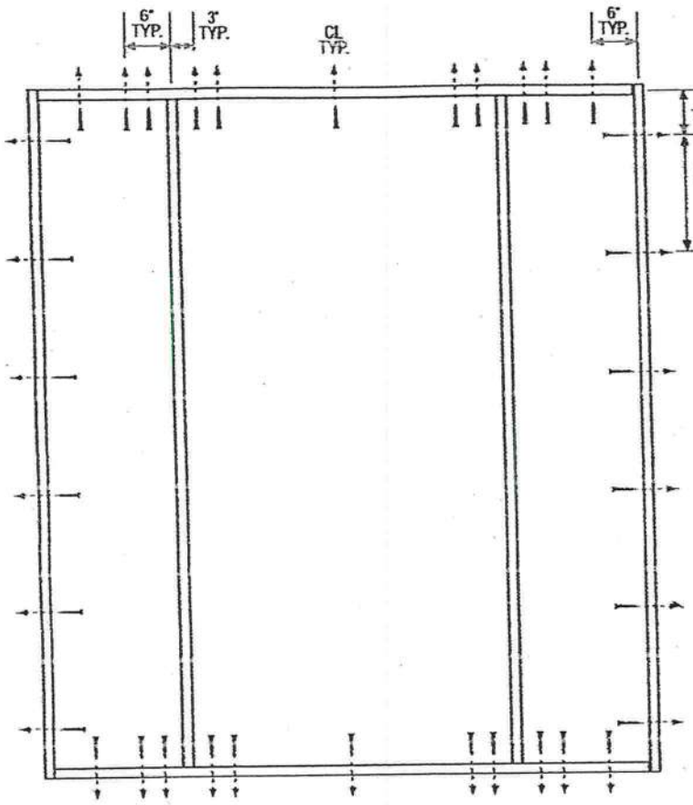
Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

OXO
Unit

MID-WL-MA0004-02

SINGLE DOOR WITH 2 SIDELITES



Minimum Fastener Count

- 6 per vertical framing member
- 11 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3244*, 3249, 3264* or 3269**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

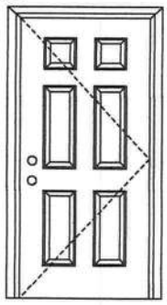
June 17, 2002

X
Opaque Inswing Unit

COP-WL-JH4101-02

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 panel used does not exceed 3'0" x 6'8".

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

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

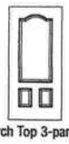
Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

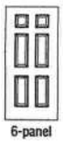
Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

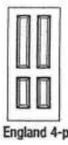
APPROVED DOOR STYLES:


Flush


Arch Top 3-panel

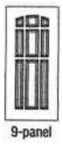

3-panel


6-panel


New England 4-panel


Eyebrow 4-panel


8-panel


9-panel


15-panel


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

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

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

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

Warnock Hersey WH®

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June 17, 2002
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PREMDOR Collection Premium Quality Doors

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Masonite International Corporation

CK# 6846

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0508-114 Date Received 8-30-05 By LH Permit # 833/23686
Application Approved by - Zoning Official BLK Date 27.09.05 Plans Examiner OK JTH Date 9-26-05
Flood Zone X per plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Den.
Comments
~~NOC~~ ~~SITE PLAN~~

Applicants Name Stephen Crawford Phone 755-5068 (386)
Address P.O. Box 1330 Lake City, FL 32056
Owners Name Stephen Crawford Phone 755-5068 (386)
911 Address 452 NW AMBLESIDE DR Lake City FL 32055
Contractors Name Stephen Crawford Const., Inc. Phone 755-5068 (386)
Address P.O. Box 1330 Lake City, FL 32056
Fee Simple Owner Name & Address Stephen Crawford P.O. Box 1330 Lake City, FL 3205
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Stephen Crawford Const., Inc P.O. Box 1330 Lake City, FL 320
Mortgage Lenders Name & Address FFSB OF FLORIDA 4705 W U.S. Hwy. 90 Lake City, FL 3205
Circle the correct power company – (FL Power & Light) – Clay Elec. – Suwannee Valley Elec. – Progressive Energy
Property ID Number ~~Part of~~ 24-3S-16-02275-~~000~~ 125 Estimated Cost of Construction $ 225,000.00
Subdivision Name Cobblestone Lot 25 Block ____ Unit 2 Phase ____
Driving Directions 90 West TR ON LAKE JEFFERY RD. TR ON BRIDGE WATER (Into Cobblestone) TL ON AMBLESIDE DR. TO END ON LEFT

Type of Construction New Home SFD Number of Existing Dwellings on Property 0
Total Acreage .1.63 Lot Size 172x470 Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 125' Side 20' Side 36' Rear 231'
Total Building Height 26' Number of Stories 1 Heated Floor Area 2656 Roof Pitch 8/12
Porches 364 Garage 650 TOTAL 3670

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

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

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

[signature]
Owner Builder or Agent (Including Contractor)

[signature]
Contractor Signature
Contractors License Number RR 0067266
Competency Card Number 5319
NOTARY STAMP/SEAL

LAURIE HODSON
MY COMMISSION # DD 332526
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 30 day of August 20 05.
Personally known ✓ or Produced Identification ____

[signature]
Notary Signature

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * 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 ISSUED: August 30, 2005

ENHANCED 9-1-1 ADDRESS:

452 NW AMBLESIDE DR (LAKE CITY, FL 32055)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS:

PROPERTY APPRAISER PARCEL NUMBER: 24-3S-16-02275-125

Other Contact Phone Number (If any):

Building Permit Number (If known):

Remarks: LOT 25 COBBLESTONE 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.

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

Inst:2005017063 Date:07/19/2005 Time:14:00
DC,P.DeWitt Cason,Columbia County B:1052 P:623

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-71
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

PERMIT NO._____ **TAX FOLIO NO.:**_____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:

Lot 25, COBBLERSTONE, Unit 2, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 21-24 of the public records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling

3. Owner information:
   a. Name and address: STEPHEN CRAWFORD CONSTRUCTION, INC.
   P.O. Box 1330, Lake City, FL 32056
   b. Interest in property: Fee Simple
   c. Name and address of fee simple title holder (if other than Owner): None

4. Contractor: STEPHEN CRAWFORD CONSTRUCTION, INC.
   P.O. Box 1330, Lake City, FL 32056

5. Surety n/a
   a. Name and address:
   b. Amount of bond:

6. Lender: FIRST FEDERAL SAVINGS BANK OF FLORIDA
   4705 West US Highway 90, Lake City, FL 32055

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates TERESA DAVIS, of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West US Highway 90, Lake City, FL 32055, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). July 18, 2006.

STEPHEN CRAWFORD CONSTRUCTION, INC.

Stephen Crawford
STEPHEN CRAWFORD, President

The foregoing instrument was acknowledged before me this 18th day of July, 2005, by STEPEHN CRAWFORD, President of STEPHEN CRAWFORD CONSTRUCTION, INC., who are personally known to me and who did not take an oath.

TERRY McDAVID MY COMMISSION EXPIRES January 16, 2008 #DD 079305 Bonded thru Notary Public Underwriters NOTARY PUBLIC, STATE OF FLORIDA

Notary Public
My commission expires:_____

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-71
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
Identification Number

Inst:2005017061 Date:07/19/2005 Time:14:00
Doc Stamp-Deed : 384.30
DC,P.DeWitt Cason,Columbia County B:1052 P:613

WARRANTY DEED

This Warranty Deed, made this 18th day of July, 2005, BETWEEN COBBLESTONE OF COLUMBIA COUNTY, L.L.C., a Florida Limited Liability Company, whose post office address is 2806 W US Highway 90, Suite 101, Lake City, FL 32055, of the County of Columbia, State of Florida, grantor*, and STEPHEN CRAWFORD CONSTRUCTION, INC. whose post office address is P.O. Box 1330 Lake City FL 32056, of the County of Columbia, State of Florida, grantee*.

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

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

Lot 25, COBBLESTONE, UNIT 2, a subdivision according to the plat thereof as recorded in Plat Book 8, Pages 21-24 of the public records of Columbia County, Florida.

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

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

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Inst:2005017061 Date:07/19/2005 Time:14:00
Doc Stamp-Deed : 384.30
DC,P.DeWitt Cason,Columbia County B:1052 P:614

Signed, sealed and delivered
in our presence:

(Signature of First Witness)
Crystal L. Brunner
(Typed Name of First Witness)

(Signature of Second Witness)
DeEtte F. Brown
(Typed Name of Second Witness)

COBBLESTONE OF COLUMBIA COUNTY, L.L.C.

(SEAL)
By: DANIEL CRAPPS,
Managing Member of
Cobblestone of Columbia
County, L.L.C.

By: FRONTIER CAPITAL, LLC
A Florida Limited
Liability Company, as
Managing Member of
Cobblestone of Columbia
County, LLC

By: Charles S. Sparks,
Managing Member of
Frontier Capital, LLC

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 18th day of July, 2005, by DANIEL CRAPPS, as Managing Member of COBBLESTONE OF COLUMBIA COUNTY, L.L.C., a Florida Limited Liability Company who is personally known to me and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

CRYSTAL L. BRUNNER
MY COMMISSION # DD439148
EXPIRES: June 30, 2009
1-800-3-NOTARY Fl. Notary Discount Assoc. Co.

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 18th day of July, 2005, by CHARLES S. SPARKS, as Managing Member of FRONTIER CAPITAL, L.L.C., a Florida Limited Liability Company who are personally known to me and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

CRYSTAL L. BRUNNER
MY COMMISSION # DD439148
EXPIRES: June 30, 2009
1-800-3-NOTARY Fl. Notary Discount Assoc. Co.

CLYATT WELL DRILLING, INC.
Established in 1971
Post Office Box 180
Worthington Springs, Florida 32697
Phone (386)496-2488 FAX (386)496-4640

WELL DESCRIPTION

DESCRIPTION DATE
1/27/2004

CUSTOMER NAME AND ADDRESS	DESCRIPTION OF WORK
Stephen Crawford Construction Attn.: Stephen Crawford 991 Southwest Charleston Court Lake City, Florida 32025	4" Well and Pump Lot 25 Cobblestone

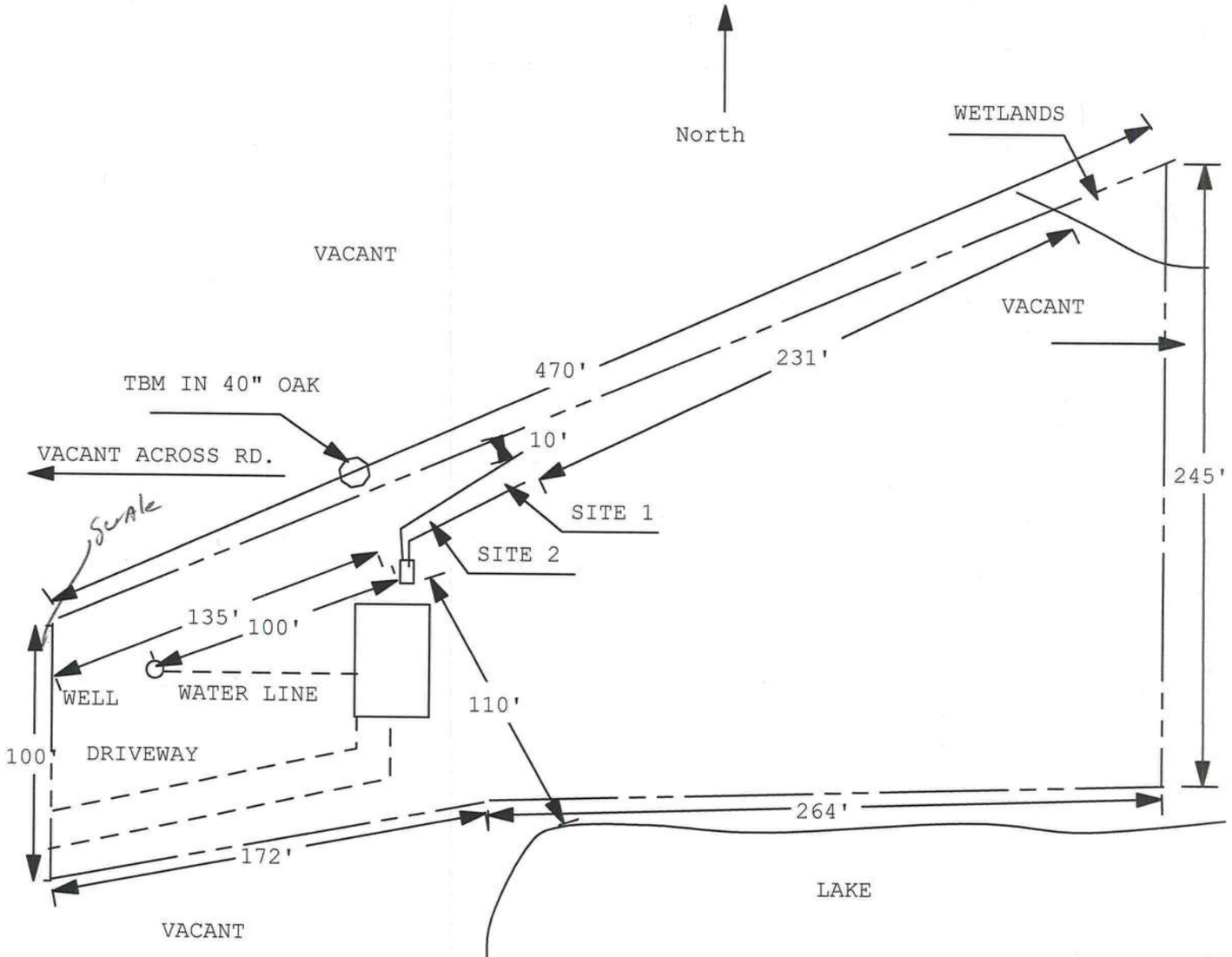
DESCRIPTION
4" Well
1 HP Submersible Pump
1-1/4" Galvanized Drop Pipe
14/3 Submersible Pump Wire With Ground
WF255 (220 Gallon Equivalent) Tank
4 X 1-1/4 Well Seal
Pressure Relief Valve
Controls & Fittings

THANK YOU FOR YOUR BUSINESS! This document is provided to give a description of the well to be constructed on your behalf. All materials remain the property of Clyatt Well Drilling, Inc., until paid for in full. Clyatt Well Drilling, Inc., does not agree to find or develop water, nor does it represent, warrant or guarantee the quality or kind of water which may be encountered. If it is necessary to install water filters, the owner agrees it is his/her responsibility to pay the cost. Right to repossess is granted if payment for well is not made.

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

Permit Application Number: 05-0900N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date**

Plan Approved ✓ **Not Approved** **Date** 9/01/05

By K. Reeves EST II Columbia **CPHU**

Notes:

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**LOT 25 COBBLE STONE**	Builder:	**STEPHEN CRAWFORD**
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	23686
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		4	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		2656 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	334.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=4.0, 280.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 2520.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 279.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2656.0 ft²	
b. Under Attic		R=19.0, 120.0 ft²	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 130.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 54.0 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 52.0 kBtu/hr	
	HSPF: 6.80	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.88	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.13

Total as-built points: 40328
Total base points: 41586

PASS

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

PREPARED BY: SUNCOAST INSULATORS

DATE: 7/18/5 CM

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

OWNER/AGENT: _____

DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2656.0	20.04	9580.7	Double, Clear	W	2.0	6.0	91.0	38.52	0.85	2977.7	
				Double, Clear	E	2.0	6.0	208.0	42.06	0.85	7419.6	
				Double, Clear	N	2.0	6.0	20.0	19.20	0.90	345.6	
				Double, Clear	S	2.0	6.0	15.0	35.87	0.78	417.5	
				As-Built Total:				**334.0**			**11160.4**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	279.0	0.70	195.3	Frame, Wood, Exterior			13.0	2520.0	1.50		3780.0	
Exterior	2520.0	1.70	4284.0	Frame, Wood, Adjacent			13.0	279.0	0.60		167.4	
Base Total:	**2799.0**		**4479.3**	**As-Built Total:**				**2799.0**			**3947.4**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	2.40	48.0	Exterior Insulated				100.0	4.10		410.0	
Exterior	100.0	6.10	610.0	Adjacent Insulated				20.0	1.60		32.0	
Base Total:	**120.0**		**658.0**	**As-Built Total:**				**120.0**			**442.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X	SCM =	Points	
Under Attic	2656.0	1.73	4594.9	Under Attic			30.0	2656.0	1.73 X	1.00	4594.9	
				Under Attic			19.0	120.0	2.34 X	1.00	280.8	
Base Total:	**2656.0**		**4594.9**	**As-Built Total:**				**2776.0**			**4875.7**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	280.0(p)	-37.0	-10360.0	Slab-On-Grade Edge Insulation			4.0	280.0(p	-36.70		-10276.0	
Raised	0.0	0.00	0.0									
Base Total:			**-10360.0**	**As-Built Total:**				**280.0**			**-10276.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2656.0	10.21	27117.8					2656.0	10.21		27117.8	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
Summer Base Points:			**36070.7**	**Summer As-Built Points:**							**37267.3**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points	
36070.7	**0.4266**		**15387.7**	37267.3 **37267.3**	1.000 **1.00**	(1.090 x 1.147 x 1.00) **1.250**	0.341 **0.341**	0.950 **0.950**		15107.0 **15107.0**	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2656.0	12.74	6090.7	Double, Clear	W	2.0	6.0	91.0	20.73	1.04	1966.9	
				Double, Clear	E	2.0	6.0	208.0	18.79	1.06	4145.6	
				Double, Clear	N	2.0	6.0	20.0	24.58	1.00	493.9	
				Double, Clear	S	2.0	6.0	15.0	13.30	1.26	251.0	
				As-Built Total:				**334.0**			**6857.3**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	279.0	3.60	1004.4	Frame, Wood, Exterior			13.0	2520.0	3.40		8568.0	
Exterior	2520.0	3.70	9324.0	Frame, Wood, Adjacent			13.0	279.0	3.30		920.7	
Base Total:	**2799.0**		**10328.4**	**As-Built Total:**				**2799.0**			**9488.7**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	20.0	11.50	230.0	Exterior Insulated				100.0	8.40		840.0	
Exterior	100.0	12.30	1230.0	Adjacent Insulated				20.0	8.00		160.0	
Base Total:	**120.0**		**1460.0**	**As-Built Total:**				**120.0**			**1000.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2656.0	2.05	5444.8	Under Attic			30.0	2656.0	2.05 X	1.00	5444.8	
				Under Attic			19.0	120.0	2.70 X	1.00	324.0	
Base Total:	**2656.0**		**5444.8**	**As-Built Total:**				**2776.0**			**5768.8**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	280.0(p)	8.9	2492.0	Slab-On-Grade Edge Insulation			4.0	280.0(p	8.45		2366.0	
Raised	0.0	0.00	0.0									
Base Total:			**2492.0**	**As-Built Total:**				**280.0**			**2366.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	2656.0	-0.59	-1567.0					2656.0	-0.59		-1567.0	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**24248.9**	**Winter As-Built Points:**						**23913.8**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
24248.9	**0.6274**	**15213.8**	23913.8 **23913.8**	1.000 **1.00**	(1.069 x 1.169 x 1.00) **1.250**	0.501 **0.501**	0.950 **0.950**	14236.7 **14236.7**	

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4	2746.00	10984.0		50.0	0.88	4	1.00	2746.00	1.00	10984.0	
				As-Built Total:						**10984.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
15388	**15214**	**10984**	**41586**	**15107**	**14237**	**10984**	**40328**

PASS

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.7

The higher the score, the more efficient the home.

, , , ,

1.	New construction or existing	New	__
2.	Single family or multi-family	Single family	__
3.	Number of units, if multi-family	1	__
4.	Number of Bedrooms	4	__
5.	Is this a worst case?	Yes	__
6.	Conditioned floor area (ft²)	2656 ft²	
7.	Glass area & type	Single Pane / Double Pane	__
a.	Clear - single pane	0.0 ft² / 334.0 ft²	__
b.	Clear - double pane	0.0 ft² / 0.0 ft²	__
c.	Tint/other SHGC - single pane	0.0 ft² / 0.0 ft²	__
d.	Tint/other SHGC - double pane		
8.	Floor types		__
a.	Slab-On-Grade Edge Insulation	R=4.0, 280.0(p) ft	__
b.	N/A		__
c.	N/A		
9.	Wall types		__
a.	Frame, Wood, Exterior	R=13.0, 2520.0 ft²	__
b.	Frame, Wood, Adjacent	R=13.0, 279.0 ft²	__
c.	N/A		__
d.	N/A		__
e.	N/A		
10.	Ceiling types		__
a.	Under Attic	R=30.0, 2656.0 ft²	__
b.	Under Attic	R=19.0, 120.0 ft²	__
c.	N/A		
11.	Ducts		__
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 130.0 ft	__
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 54.0 kBtu/hr	__
		SEER: 10.00	__
b.	N/A		__
			__
c.	N/A		__
			__
13.	Heating systems		
a.	Electric Heat Pump	Cap: 52.0 kBtu/hr	__
		HSPF: 6.80	__
b.	N/A		__
			__
c.	N/A		__
			__
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	__
		EF: 0.88	__
b.	N/A		__
			__
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		__
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	__

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

Builder Signature: _____ Date: _____

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

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

EnergyGauge® (Version: FLRCSB v3.30)

RIGHT-J LOAD AND EQUIPMENT SUMMARY
Entire House

Touchstone Heating and Air, Inc.

490 SE 3rd Avenue, Lake Butler, FL 32054 Phone: 386-496-3467 Fax: 386-496-3147

Job: Cobble Stone
Subdivision Lot 25 07/13/05

Project Information

For: Stephen Crawford Construction Inc.
Lake City, FL 32025
Phone: 386-755-5068 Fax: 386-758-9500

Notes:

Design Information

Weather: Gainesville, FL , US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Building heat loss	66736	Btuh
Ventilation air	3	cfm
Ventilation air loss	106	Btuh
Design heat load	66842	Btuh

Sensible Cooling Equipment Load Sizing

Structure	43210	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	0.97	
Total sens. equip. load	41914	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1

	Heating	Cooling
Area (ft²)	*2656*	*2656*
Volume (ft³)	*27038*	*27038*
Air changes/hour	*0.10*	*0.90*
Equiv. AVF (cfm)	45	406

Latent Cooling Equipment Load Sizing

Internal gains	230	Btuh
Ventilation	0	Btuh
Infiltration	14218	Btuh
Total latent equip. load	14448	Btuh
Total equipment load	56361	Btuh
Req. total capacity at 0.70% SHR	5.0	ton

Heating Equipment Summary

Make Trane
Trade
2TWB0060A1000A

Efficiency	9.4	HSPF
Heating input		
Heating output	32600	Btuh @ 47°F
Heating temp rise	16	°F
Actual heating fan	1871	cfm
Heating air flow factor	0.028	cfm/Btuh

Space thermostat

Cooling Equipment Summary

Make Trane
Trade
2TWB0060A1000A
TWG060A150B

Efficiency	10.0	EER
Sensible cooling	23800	Btuh
Latent cooling	10200	Btuh
Total cooling	34000	Btuh
Actual cooling fan	1871	cfm
Cooling air flow factor	0.043	cfm/Btuh
Load sensible heat ratio	75	%

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

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

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

06 FEBRUARY 2006

JOHNNY KEARSE, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: LOT 25, COBBLESTONE S/D
PERMIT Nr.: 23686

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING CHANGES TO THE CONSTRUCTION DOCUMENTS FOR THE ABOVE REFERENCED PROJECT:

IN LIEU OF THE CORNER HOLDDOWN DEVICE INDICATED IN THE PLANS, THE "SIMPSON" HD5a DEVICE SHALL BE REPLACED WITH 1/2"ϕ "ALL-THREAD" ROD ANCHORS, SET INTO THE CONCRETE FOUNDATION A MINIMUM OF 7" W/ "SIMPSON" EPOXY ADHESIVE OR EQUAL, AND EXTENDED THROUGH THE DBL. TOP PLATE. A 3" X 3" X 1/4" WASHER WITH DBL. NUTS SHALL BE APPLIED AT EACH LOCATION WHERE THE HD5a ANCHORS WERE SPECIFIED. ALL COMPONENTS IN CONTACT WITH "ACQ" PRESSURE TREATED WOOD SHALL BE HDG OR STAINLESS STEEL.

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

23686

New Construction Subterranean Termite Soil Treatment Record

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

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

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

Section 1: General Information (Treating Company Information)

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

Section 2: Builder Information

Company Name: Stephen Crawford Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 457 N.W. Amberside Dr Lot 25 Tablestone Lake City, FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 11-7-05
Brand Name of Product(s) Used Probuild T.C
EPA Registration No. 100-1006
Approximate Final Mix Solution % 0.5%
Approximate Size of Treatment Area: Sq. ft. 3670 Linear ft. 293 Linear ft. of Masonry Voids 293
Approximate Total Gallons of Solution Applied ~~[illegible]~~ 680
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No upon completion

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)

Comments

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) JF104376

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

Authorized Signature [signature] Date 11-7-05

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

Form **NPCA-99-B** may still be used

form **HUD-NPCA-99-B** (04/2003)

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 24-3S-16-02275-125 **Building permit No.** 000023686

Use Classification SFD/UTILITY **Fire:** 5.92

Permit Holder STEPHEN J. CRAWFORD **Waste:** 12.25

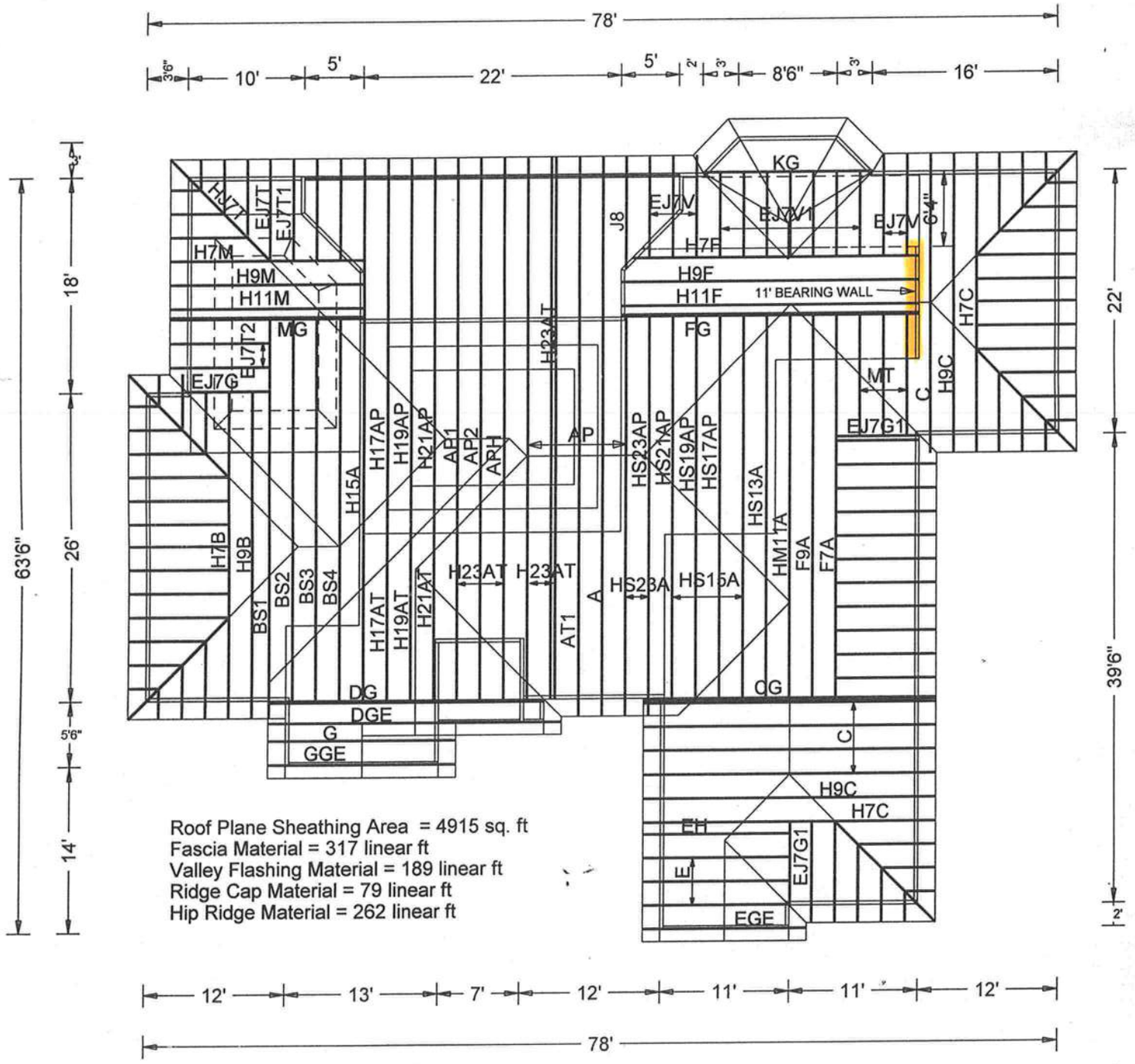
Owner of Building STEPHEN J. CRAWFORD **Total:** 18.17

Location: 452 NW AMBLESIDE DR, LAKE CITY, FL 32055

Date: 09/14/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Roof Plane Sheathing Area = 4915 sq. ft
Fascia Material = 317 linear ft
Valley Flashing Material = 189 linear ft
Ridge Cap Material = 79 linear ft
Hip Ridge Material = 262 linear ft

STEPHEN CRAWFORD/COBBLE STONE LOT 25

JOB LOCATION:

JOB DESCRIPTION: STEPHEN CRAWFORD/LOT 25 COBBL

DESIGNED BY:

JOB NO: 5-315

PAGE NO: 1 OF 1