

DATE 12/01/2006

Columbia County Building Permit

PERMIT

000025265

This Permit Expires One Year From the Date of Issue

APPLICANT TERRY ZIERKE PHONE 752-7559
ADDRESS 578 SW ZIERKE DRIVE LAKE CITY FL 32024
OWNER BARBARA CALDWELL PHONE 386 853-0653
ADDRESS 128 SW RUM ISLAND TERR FT. WHITE FL 32038
CONTRACTOR TERRY ZIERKE PHONE 752-7559
LOCATION OF PROPERTY 47S, TL ON 27, TR ON CR 138, TL ON RUM ISLAND TERR,
1ST LOT ON RIGHT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 60000.00
HEATED FLOOR AREA 1200.00 TOTAL AREA 1200.00 HEIGHT 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 29
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 30.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 26-7S-16-04324-103 SUBDIVISION WARNOCK FARMS
LOT 3 BLOCK PHASE UNIT TOTAL ACRES

000001265
Culvert Permit No. Culvert Waiver Contractor's License Number
WAIVER 06-1010 BK JH
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD

Check # or Cash 3472

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 \$ 300.00 CERTIFICATION FEE \$ 6.00 SURCHARGE FEE \$ 6.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 387.00

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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



HOMES

deltec

69 Bingham Road
Asheville, NC 28806



I:

S: B
P: TNO

LAKE CITY FL 32024-3861

TERRY ZIERKE
578 SW ZIERKE DR

007C-370

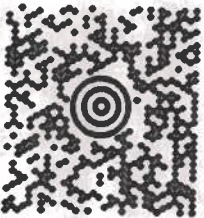
2140185530M294E1Z1
LWSNLS FLAK006 Feb 20 06:11:44 2007
TB 3200 HTP 5 TO 3 INT4420

25265

1 LBS 1 OF 1

FROM:
JOY BROCKMAN
(828) 258-3685
DELTEC HOMES
69 BINGHAM RD.
ASHEVILLE NC 28806-3824

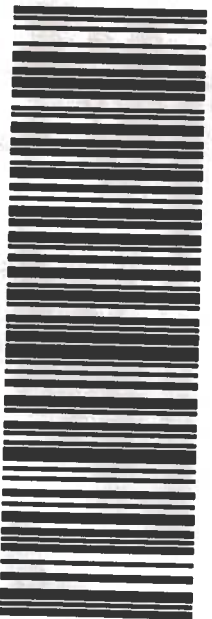
SHIP TO:
TERRY ZIERKE
(386) 752-7559
578 S.W. ZIERKE DR.
LAKE CITY FL 32024-3861



FL 320 0-01

UPS GROUND

TRACKING #: 1Z 134 62W 03 5581 0417



BILLING: P/P

REF 1: Caldwell truss seals

171604 REV. 9/05 LPS

Columbia County Building Permit Application

For Office Use Only Application # 1106-48 Date Received 11/22/06 By LT Permit # 1265/25265
Application Approved by - Zoning Official BLK Date 30.11.06 Plans Examiner DAJH Date 11-27-06
Flood Zone Xper plot Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments IF a new exist. Property must be removed within 45 days of CE being issued
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☐ Parent Parcel # ☐ Development Permit
Fax 386-755-2220
Name Authorized Person Signing Permit TERRY ZIERKE Phone 386-752-7559
Address 578 SW ZIERKE DR LAKE CITY, FL 32024
Owners Name Barbara Caldwell Phone 386-853-0653
911 Address 128 SW Peem Island Terrace Fort White FL 32038
Contractors Name Terry Zierke Phone 386-752-7559
Address 578 SW ZIERKE DR. LAKE CITY, FL 32024
Fee Simple Owner Name & Address Barbara Caldwell P.O. Box 535, High Springs FL 32655
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address MARTIN PAGE 1240 DODSON RIDGE RD - WALNUT CREEK, N.C. 27052
Mortgage Lenders Name & Address PEOPLES STATE BANK 350 SW MAIN BLVD L.C.
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 26-75-16-04324-103 Estimated Cost of Construction 125,000.
Subdivision Name WARNOCK FARMS S/D 90 west from High Spring Lot 3 Block Unit Phase
Driving Directions turn south west on C.R. 138
approximately 3 miles to Peem Island Terrace
The lot is on SW corner of C.R. 138 & Peem Island Terrace
Type of Construction wood / FRAME 85FD Number of Existing Dwellings on Property 0
Total Acreage 1 2/3 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 62' 9" Side 62' 9" Side 73' Rear 300' +
Total Building Height 29' Number of Stories 1 Heated Floor Area 1200 Roof Pitch 3/12
6/12

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

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

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Barbara Caldwell
Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 21st day of November 2006

Personally known ☒ or Produced Identification

Terry Zierke
Contractor Signature
Contractors License Number CRC022360
Competency Card Number
NOTARY STAMP/SEAL

Jan Clark
Notary Signature
NOTARY PUBLIC
STATE OF FLORIDA
JAN CLARK
MY COMMISSION # DD 181635
EXPIRES: March 26, 2007
Bonded Thru Budget Notary Services
(Revised Sept. 2006)

Notice of Treatment

12363

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**

Address: BAYA Ave
City LAKE CITY Phone 732 1703

Site Location: Subdivision WARNOCK FARMS

Lot # 3 Block# Permit # 25265

Address 128 SW Rum Island Ter

Product used

Active Ingredient

% Concentration

☒ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling 1200 115 100

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

3/6/07 0800 GUNNY F254
Date Time Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



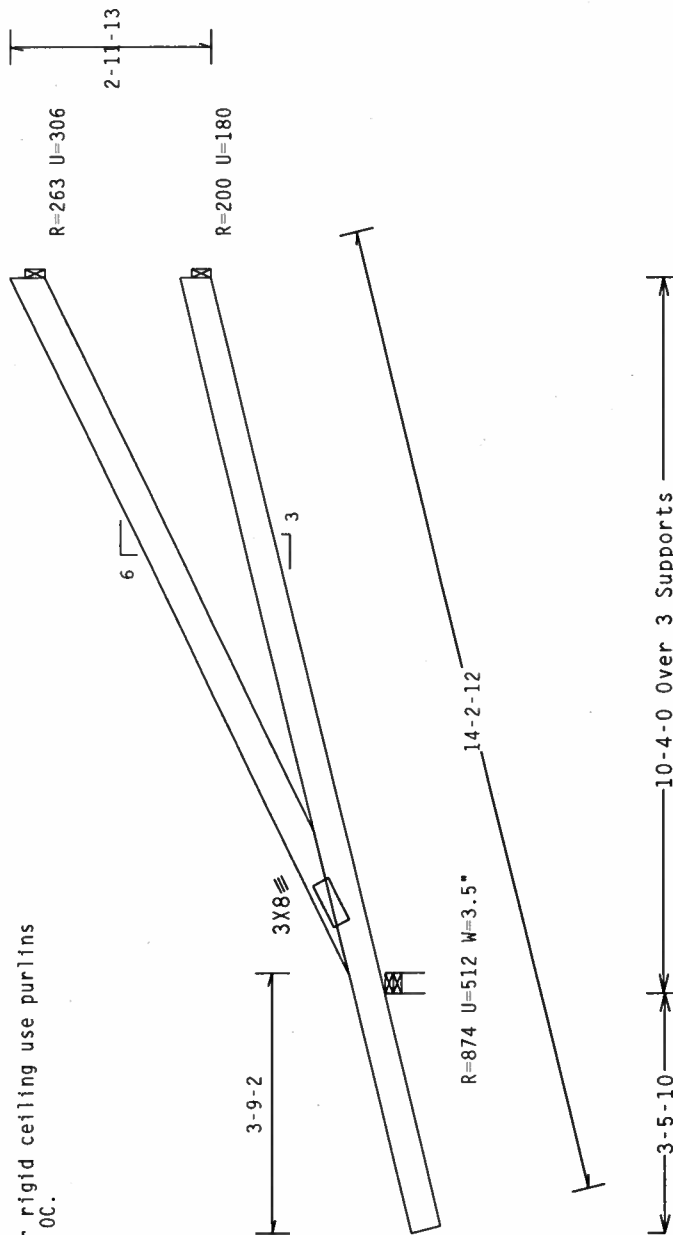
Top chord 2x6 SP #1
Bot chord 2x6 SP #1

----- (LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)
 82 PLF at 0.00 to 41 PLF at 10.33
 118 PLF at -3.47 to 102 PLF at 0.00
 21 PLF at 0.00 to 10 PLF at 10.33

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricator's truss layout.

Provide (3) 0.162"x3.5" nails, toe nailed at Top chord.
Provide (2) 0.162"x3.5" nails, toe nailed at Bot chord.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

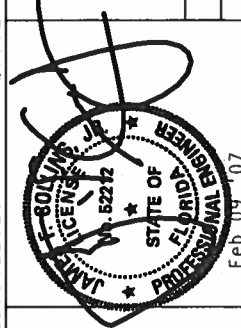


Design Crit: TPI-2002(STD)/IRC

 $C\alpha/RT=1.00(1.25)/10(0) \quad 7.25.0411.16$

Scale = .375"/Ft.

REMARKS: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO THE FOLLOWING COMPANIES FOR SAFETY INFORMATION: PUBLISHED BY THE STEEL PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314; AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 WINTERPINE LANE, SUITE 101, WESTMINSTER, CO 80531. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

TC LL	30.0 PSF	REF R591-- 64616
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR591 07040013
BC LL	0.0 PSF	HC-ENG CR/DLJ
TOT.LD.	50.0 PSF	SEQN- 16054 REV
DUR.FAC.	1.15	
PACKING SEE ABOVE		JREF- 1TA0591 706

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

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

150 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg,
Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

It is the responsibility of the Building Designer and Truss Fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricator's truss layout.

(A) 2x4 "T" BRACE. 80% length of web member. Same species & grade or better. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" O.C.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

A diagram of a rectangular frame. The left vertical member is subjected to a uniformly distributed load of 3" acting to the left. The top horizontal member is labeled with a star (*). The right vertical member is labeled with a double-headed vertical arrow. The bottom horizontal member is labeled with a double-headed horizontal arrow. The dimensions are given as 4'-8" for the height and 5'-7" for the width.

Diagram showing the elevation view of the shear plate assembly. The dimensions and components are labeled as follows:

- Top reinforcement bar: 3X8
- Second reinforcement bar: 3X8
- Vertical distance between reinforcement bars: 3-9-14
- Shear plate: 5X6
- Label: SHEAR PLATE

7.25.0411.16 QTY:1 FL/-/3/-/-/R/-

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

Scale = .25"/Ft.

TC LL	30.0 PSF	REF R591-- 64616
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR591 07040014
BC LL	0.0 PSF	HC-ENG CR/DLJ
TOT.LD.	50.0 PSF	SEQN - 1659

DUR.FAC.	1.15	
SPACING	SEE ABOVE	JREF- 1T4Q591_Z06

Feb 09 '07

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

(Model 1500 30-10-10 (3-9-150mph wind) - INT TRUSS)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x6 SP #1 :T1, 2x6 SP SS:
Bot chord 2x6 SP #1
Webs 2x4 SP #2 :W5, 2x8 SP SS:

150 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg.
Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf,
wind BC DL=5.0 psf.

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15
TC - From 82 PLF at 0.00 to 82 PLF at 10.50
TC - From 82 PLF at 10.50 to 11 PLF at 20.87
BC - From 102 PLF at -3.47 to 102 PLF at 0.00
BC - From 21 PLF at 0.00 to 21 PLF at 10.50
BC - From 21 PLF at 10.50 to 5 PLF at 20.87

* Provide connection between truss and tension/compression rings to resist 3300# tension and 4900# compression horizontal reactions.

** Provide connection between truss and tension/compression rings to resist 4900# tension and 3300# compression horizontal reactions.

Note: Tension/compression rings are to be designed by a registered engineer and furnished by others.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricator's truss layout.

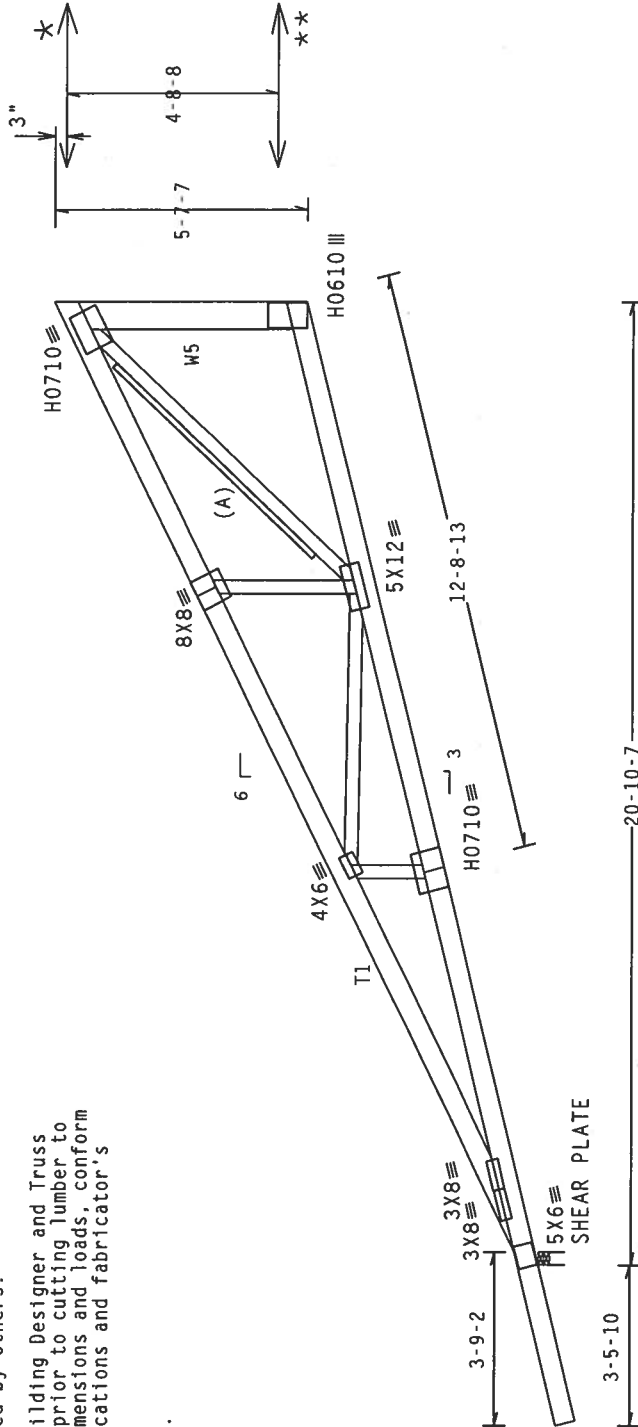
Shim all supports solid to bearing.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

(A) 2x4 "T" BRACE. 80% length of web member. Same species & grade or better. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" O.C.

Deflection meets L/360 live and L/240 total load.

Truss design per IRC sect. R802.10.2. 10.00 psf non-concurrent bottom chord live load applied per ANSI/TPI 1.



PLT TYP. Wave

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

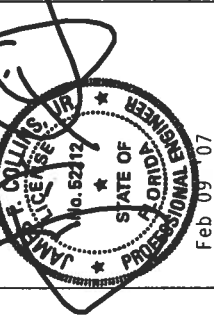
7.25.0411.16 QTY:1 FL/-/3/-/R/-

Scale = .25" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 111 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/18GA (N/HSX) ASTM A563 GRADE 40/60 (M, K/N-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAMING INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE DESIGNER'S RESPONSIBILITY FOR THE TRUSS IS LIMITED TO THE DESIGN AND THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	30.0 PSF	REF R591-- 64616
TC DL	10.0 PSF	DATE 02/09/07
BC DL	10.0 PSF	DRW HCUSR591 07040015
BC LL	0.0 PSF	HC-ENG CR/DLJ
TOT.LD.	50.0 PSF	SEQN - 1650
DUR.FAC.	1.15	
SPACING	SEE ABOVE	JREF- 1T4Q591_Z06



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

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: IT4Q591-Z0512102539

Truss Fabricator: Deltac Homes
Job Identification: Model 1200 3-9-Calldwell

Truss Count: 3

Model Code: IRC;

Truss Criteria: ANSI/TPI-2002(STD)/IRC; ANSI/TPI-1995(STD)

Engineering Software: Alpine Software, Versions 7.25, 18.2e8.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61G15-31.003(5a) of the FAC

Roof - 15.0 PSF @ 1.15 Duration

Floor - N/A

Wind - 150 MPH ASCE 7-02 - Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR591

Details: -

#	Ref	Description	Drawing#	Date
1	64238--	JACK TRUSS	07043001	02/12/07
2	64238--	HIP TRUSS	07043005	02/12/07
3	64238--	INT TRUSS	07043004	02/12/07

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

Seal Date: 02/12/2007



Truss Fabricator: Deltec Homes
Job Identification: Model 1200 3-9-Caldwell (Model 1200 3-9-C-)
Truss Count: 3
Model Code: IRC;
Truss Criteria: ANSI/TPI-2002(STD)/IRC; ANSI/TPI-1995(STD)
Engineering Software: Alpine Software, Versions 7.25, 18.2e8.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 15.0 PSF @ 1.15 Duration
Floor - N/A
Wind - 150 MPH ASCE 7-02 - Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1

2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.

3. As shown on attached drawings; the drawing number is preceded by: HCUR591

Revised Trusses

#	Ref	Description	Drawing#	Date
1	64238--	JACK TRUSS	07043001	02/12/07
2	64238--	HIP TRUSS	07043005	02/12/07
3	64238--	INT TRUSS	07043004	02/12/07

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

Seal Date: 02/12/2007

ALPINE



Top chord 2x6 SP #1

Bot chord 2x6 SP SS

Webs 2x4 SP #2 :W6 2x8 SP SS:

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)

TC - From 82 PLF at 0.00 to 20 PLF at 9.30

TC - From 82 PLF at 9.30 to 10 PLF at 18.89

BC - From 111 PLF at 3.55 to 103 PLF at 0.00

BC - From 21 PLF at 0.00 to 5 PLF at 9.30

BC - From 21 PLF at 9.30 to 5 PLF at 18.89

TC - 464 LB Conc. Load at 9.30 (232 LB Each Face)

BC - 352 LB Conc. Load at 9.30 (176 LB Each Face)

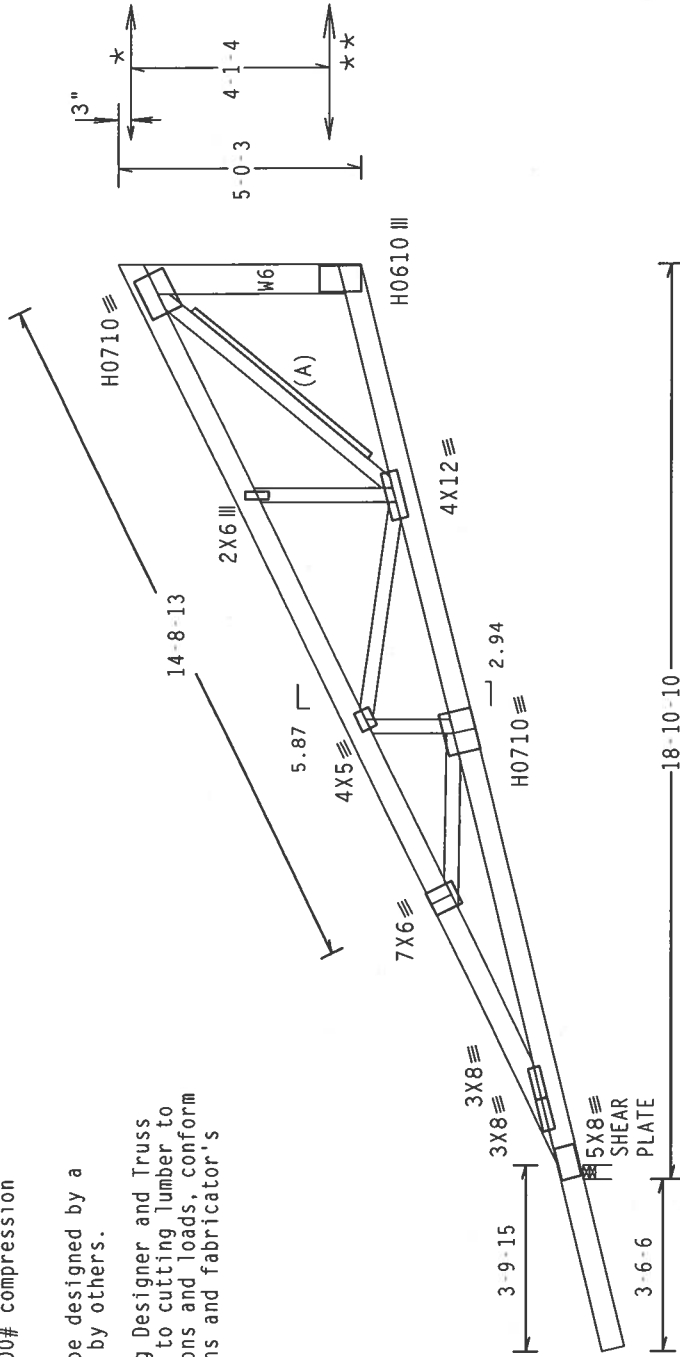
* Provide connection between truss and tension/compression rings to resist 2700# tension and 4100# compression horizontal reactions.

** Provide connection between truss and tension/compression rings to resist 4100# tension and 2700# compression horizontal reactions.

Note: Tension/compression rings are to be designed by a registered engineer and furnished by others.

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Shim all supports to solid bearing.



R-2395 U=1409 W=3.563"

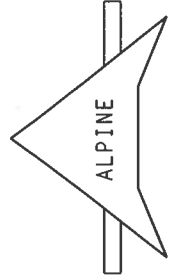
PLT TYP. 20 Gauge HS, Wave

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

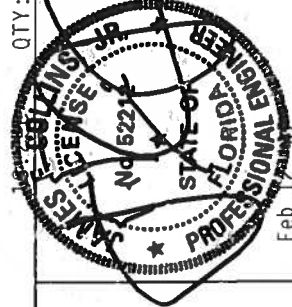
Scale = .25"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/SS/K) ASTM A653 GRADE 40/60 (M, K/M,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



QTY:1	FL/-/3/-/R/-	TC LL	30.0 PSF
		TC DL	10.0 PSF
		BC DL	10.0 PSF
		BC LL	0.0 PSF
		TOT.LD.	50.0 PSF
		DUR.FAC.	1.15
		SPACING	SEE ABOVE

REF	R591--	64238
DATE	02/12/07	
DRW	HCUSR591	07043005
HC-ENG	CR/DLJ	
SEON	28611	REV
FROM	ETC	
JREF	1T4Q591_Z05	

Top chord 2x6 SP #1
Bot chord 2x6 SP #1

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)
TC - From 82 PLF at 0.29 to 41 PLF at 9.12
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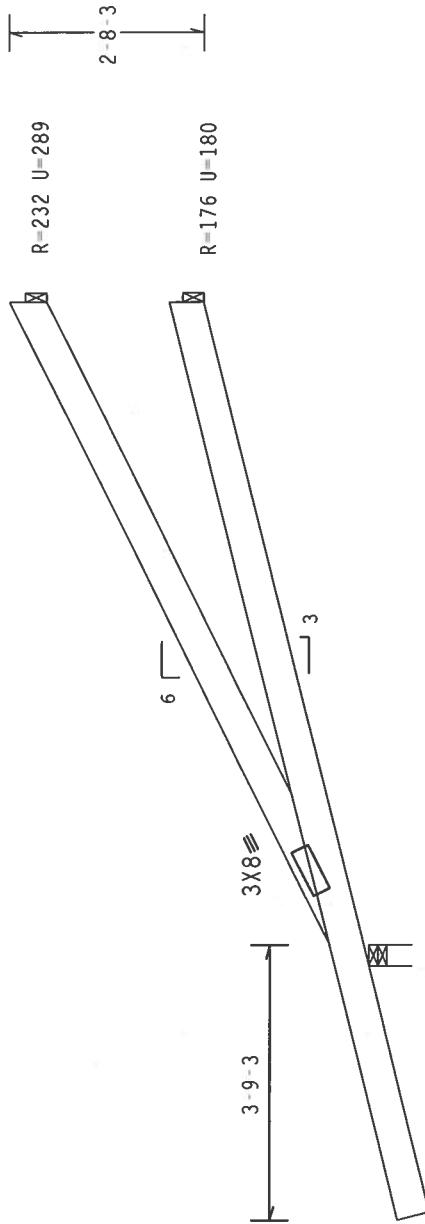
Provide (3) 0.162"x3.5" nails, toe nailed at Top chord.
Provide (2) 0.162"x3.5" nails, toe nailed at Bot chord.

150 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss design per IRC sect. R802.10.2. 10.00 psf non concurrent bottom chord live load applied per ANSI/TPI 1.

Deflection meets L/360 live and L/240 total load.

Shim all supports to solid bearing.



R-864 U-506 W=3.5"

PLT TYP. Wave

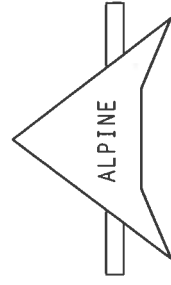
Design Crit: TPI-2002(STD)/IRC

Cq/RT=1.00(1.25)/10(0) 7.25.0411 FL/-3/-/-/R/-

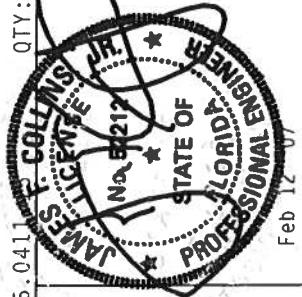
Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WIGA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 2018/18/18GA (M/H/25/25) ASTM A563 GRADE 40/60 (M. K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TOP CHORD TRUSS MEMBERS UNLESS OTHERWISE SPECIFIED. POSITION PER DRAWINGS 180A, Z, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180I, 180J, 180K, 180L, 180M, 180N, 180O, 180P, 180Q, 180R, 180S, 180T, 180U, 180V, 180W, 180X, 180Y, 180Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



QTY: 1	FL / - 3 / - / - / R / -	TC LL	30.0 PSF	REF R591--	64238
		TC DL	10.0 PSF	DATE	02/12/07
		BC DL	10.0 PSF	DRW HCUSR591	07043001
		BC LL	0.0 PSF	HC-ENG CR/DLJ	
		TOT.LD.	50.0 PSF	SEQN-	18341 REV
		DUR.FAC.	1.15	FROM	WHD
		SPACING	24.0"	JREF-	1T40591_Z05

Top chord 2x6 SP #1
Bot chord 2x6 SP #1
Webs 2x4 SP #2 : W5 2x8 SP SS:
150 mph wind, 15.09 ft mean hgt, ASCE 7-02, CLOSED bldg,
Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0
psf, wind BC DL=5.0 psf.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)
TC - From 82 PLF at 0.00 to 82 PLF at 9.30
TC - From 82 PLF at 9.30 to 11 PLF at 18.46
BC - From 102 PLF at -3.47 to 102 PLF at 0.00
BC - From 21 PLF at 0.00 to 21 PLF at 9.30
BC - From 21 PLF at 9.30 to 10 PLF at 18.46

* Provide connection between truss and tension/compression
rings to resist 2600# tension and 2700# compression
horizontal reactions.

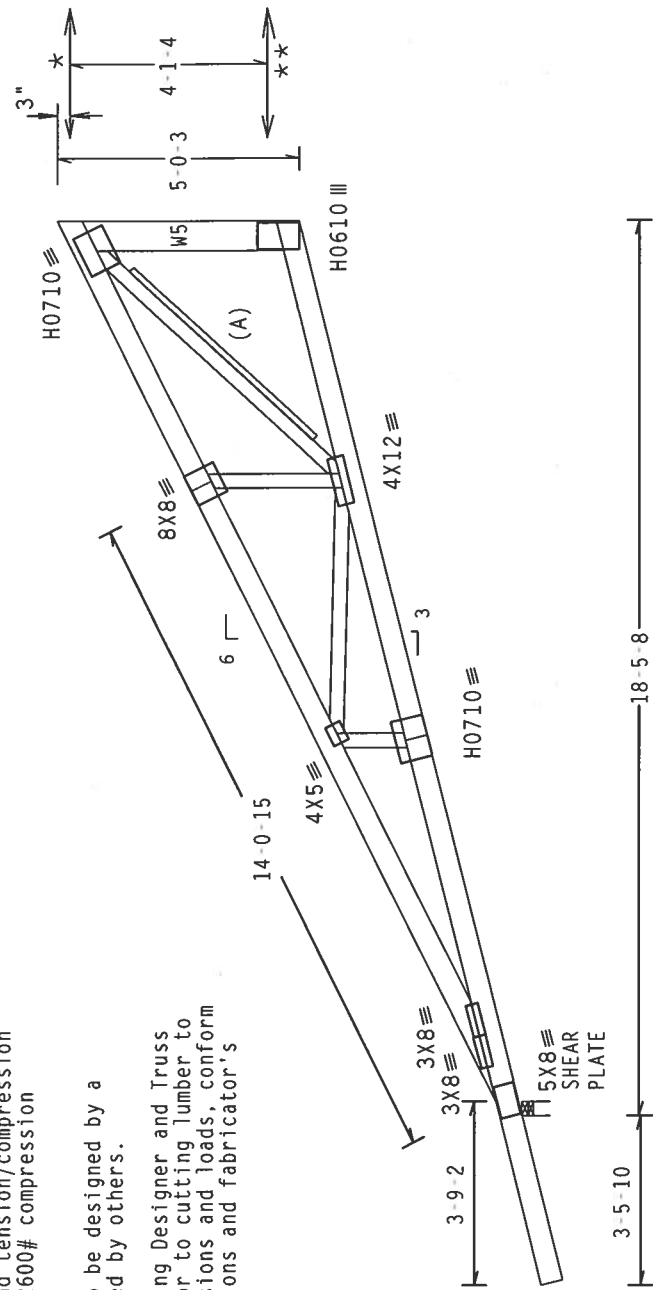
** Provide connection between truss and tension/compression
rings to resist 2700# tension and 2600# compression
horizontal reactions.

Note: Tension/compression rings are to be designed by a
registered engineer and furnished by others.

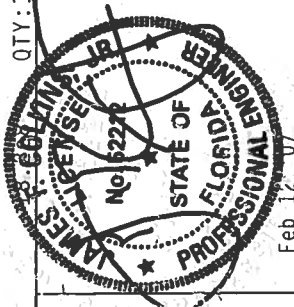
It is the responsibility of the Building Designer and Truss
Fabricator to review this drawing prior to cutting lumber to
verify that all data, including dimensions and loads, conform
to the architectural plans/specifications and fabricator's
truss layout.

Shim all supports to solid bearing.

R=1849 U=1263 W=3.5"

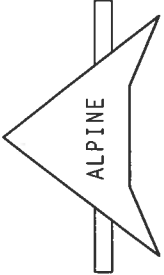


PLT TYP. 20 Gauge HS, Wave
Design Crit: TPI-2002(STD)/IRC
Cq/RT=1.00(1.25)/10(0)



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300
ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH
TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG
CONNECTOR PLATES ARE MADE OF 20/18/16GA (N.H/SSX) ASTM A653 GRADE 40/60 (N. K/H-SS) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 150A, 2,
150B, 150C, 150D, 150E, 150F, 150G, 150H, 150I, 150J, 150K, 150L, 150M, 150N, 150O, 150P, 150Q, 150R, 150S, 150T, 150U, 150V,
150W, 150X, 150Y, 150Z. DRAWINGS INDICATE THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPANY
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

QTY: 1	FL / - / 3 / - / - / R / -	Scale = .25" / Ft.
TC LL	30.0 PSF	REF R591 - 64238
TC DL	10.0 PSF	DATE 02/12/07
BC DL	10.0 PSF	DRW HCUSR591 07043004
BC LL	0.0 PSF	HC-ENG CR/DLJ
TOT. LD.	50.0 PSF	SEQN - 28591 REV
DUR. FAC.	1.15	FROM ETC
SPACING	SEE ABOVE	JREF - 1T40591_Z05

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Bobbi Coldwell**
Address: **Rum Island Terrace**
City, State: **, FL 32025-**
Owner:
Climate Zone: **North**

Builder: **Terry Zick**
Permitting Office: **Columbia**
Permit Number: **25265**
Jurisdiction Number: **221000**

1. New construction or existing	New	___	12. Cooling systems		
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 27.0 kBtu/hr	___
3. Number of units, if multi-family	1	___		SEER: 13.00	___
4. Number of Bedrooms	2	___	b. N/A		___
5. Is this a worst case?	No	___	c. N/A		___
6. Conditioned floor area (ft ²)	1166 ft ²	___	13. Heating systems		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	a. Electric Heat Pump	Cap: 27.0 kBtu/hr	___
a. U-factor:	Description Area	___		HSPF: 6.80	___
(or Single or Double DEFAULT) 7a(Sngle Default)	179.0 ft ²	___	b. N/A		___
b. SHGC:		___	c. N/A		___
(or Clear or Tint DEFAULT) 7b. (Clear)	179.0 ft ²	___	14. Hot water systems		
8. Floor types		___	a. Electric Resistance	Cap: 50.0 gallons	___
a. Slab-On-Grade Edge Insulation	R=0.0, 121.0(p) ft	___		EF: 0.90	___
b. N/A		___	b. N/A		___
c. N/A		___	c. Conservation credits		___
9. Wall types		___	(HR-Heat recovery, Solar		___
a. Frame, Wood, Exterior	R=19.0, 769.0 ft ²	___	DHP-Dedicated heat pump)		___
b. N/A		___	15. HVAC credits	PT, ___	___
c. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,		___
d. N/A		___	HF-Whole house fan,		___
e. N/A		___	PT-Programmable Thermostat,		___
10. Ceiling types		___	MZ-C-Multizone cooling,		___
a. Under Attic	R=30.0, 1166.0 ft ²	___	MZ-H-Multizone heating)		___
b. N/A		___			___
c. N/A		___			___
11. Ducts(Leak Free)		___			___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 20.0 ft	___			___
b. N/A		___			___

Glass/Floor Area: 0.15

Total as-built points: 15411

Total base points: 16998

PASS

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

PREPARED BY: Jon MorrisDATE: 11-13-06

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

OWNER/AGENT: Terry ZickDATE: 11/21/06

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

BUILDING OFFICIAL: _____

DATE: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Rum Island Terrace, , FL, 32025-

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES												
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points				
.18	1166.0	20.04	4206.0	Single, Clear	NE	1.5	8.0	15.0	33.55	0.96	484.0	
				Single, Clear	NE	1.5	8.0	40.0	33.55	0.96	1290.6	
				Single, Clear	E	1.5	8.0	4.0	47.92	0.96	183.5	
				Single, Clear	NW	1.5	8.0	30.0	29.42	0.96	850.1	
				Single, Clear	SW	1.5	8.0	72.0	45.75	0.95	3114.8	
				Single, Clear	SE	1.5	8.0	18.0	48.65	0.95	827.5	
				As-Built Total:			179.0			6750.6		
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	769.0		Frame, Wood, Exterior	19.0		769.0	0.90		692.1
Exterior	769.0	1.70	1307.3									
Base Total:		769.0	1307.3	As-Built Total:				769.0		692.1		
DOOR TYPES				Area X BSPM = Points		Type	Area X SPM = Points					
Adjacent	0.0	0.00	0.0	20.0		Exterior Insulated			20.0	4.10		82.0
Exterior	20.0	4.10	82.0									
Base Total:		20.0	82.0	As-Built Total:				20.0		82.0		
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points			
Under Attic	1166.0	1.73	2017.2	1166.0		Under Attic	30.0		1166.0	1.73 X 1.00		2017.2
Base Total:		1166.0	2017.2	As-Built Total:				1166.0		2017.2		
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points			
Slab	121.0(p)	-37.0	-4477.0	-4477.0		Slab-On-Grade Edge Insulation	0.0		121.0(p)	-41.20		-4985.2
Raised	0.0	0.00	0.0									
Base Total:			-4477.0	As-Built Total:				121.0		-4985.2		
INFILTRATION				Area X BSPM = Points		Area X SPM = Points						
	1166.0	10.21	11904.9			1166.0 10.21 11904.9						

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

ADDRESS: Rum Island Terrace, , FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 15040.3				Summer As-Built Points: 16461.5						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
15040.3	0.4266		6416.2	(sys 1: Central Unit 27000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 16462 1.00 (1.09 x 1.000 x 1.00) 0.263 0.950 4475.2 16461.5 1.00 1.090 0.263 0.950 4475.2						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Rum Island Terrace, , FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1166.0	12.74	2673.9	Single, Clear	NE	1.5	8.0	15.0	32.04	1.00	481.5
				Single, Clear	NE	1.5	8.0	40.0	32.04	1.00	1284.0
				Single, Clear	E	1.5	8.0	4.0	26.41	1.02	107.7
				Single, Clear	NW	1.5	8.0	30.0	32.93	1.00	988.5
				Single, Clear	SW	1.5	8.0	72.0	24.09	1.03	1784.3
				Single, Clear	SE	1.5	8.0	18.0	21.82	1.05	412.1
				As-Built Total:				179.0		5058.2	
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Adjacent	0.0	0.00	0.0			Frame, Wood, Exterior	19.0	769.0	2.20	1691.8	
Exterior	769.0	3.70	2845.3								
Base Total:				769.0				2845.3			
				As-Built Total:				769.0		1691.8	
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	0.0	0.00	0.0			Exterior Insulated		20.0	8.40	168.0	
Exterior	20.0	8.40	168.0								
Base Total:				20.0				168.0			
				As-Built Total:				20.0		168.0	
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points			
Under Attic	1166.0	2.05	2390.3			Under Attic	30.0	1166.0	2.05 X 1.00	2390.3	
Base Total:				1166.0				2390.3			
				As-Built Total:				1166.0		2390.3	
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Slab	121.0(p)	8.9	1076.9			Slab-On-Grade Edge Insulation	0.0	121.0(p)	18.80	2274.8	
Raised	0.0	0.00	0.0								
Base Total:				1076.9				121.0		2274.8	
				As-Built Total:				121.0		2274.8	
INFILTRATION				Area X BWPM = Points		Area X WPM = Points					
				1166.0 -0.59 -687.9		1166.0 -0.59 -687.9					

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

ADDRESS: Rum Island Terrace, , FL, 32025-

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 8466.4			Winter As-Built Points: 10895.1						
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
8466.4	0.6274	5311.8	(sys 1: Electric Heat Pump 27000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 10895.1 1.000 (1.069 x 1.000 x 1.00) 0.501 0.950 5548.5						
8466.4	0.6274	5311.8	10895.1	1.00	1.069	0.501	0.950	5548.5	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: Rum Island Terrace, , FL, 32025-

PERMIT #:

BASE					AS-BUILT					
WATER HEATING					Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
Number of Bedrooms	X	Multiplier	=	Total						
2		2635.00		5270.0	50.0	0.90	2		1.00	2693.56
					As-Built Total:					5387.1

CODE COMPLIANCE STATUS

BASE					AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
6416		5312		5270		16998	4475		5549		5387		15411

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Rum Island Terrace, , FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

, Rum Island Terrace, , FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 27.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	2	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1166 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 27.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 179.0 ft ²		HSPF: 6.80
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 179.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 121.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=19.0, 769.0 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1166.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 20.0 ft		
b. N/A			

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: [Signature]

Date: 11/28/06

Address of New Home: 128 SW Rum Island City/FL Zip: Fort White, FL 32038



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

Energy Code Compliance

Duct System Performance Report

Project Name: Bobbi Coldwell Address: Rum Island Terrace City, State: , FL 32025- Owner: Climate Zone: North	Builder: Roger Whiddon Permitting Office: Permit Number: Jurisdiction Number:
---	--

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) ☐ Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) ☐ Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at:
<http://energygauge.com/search.htm>

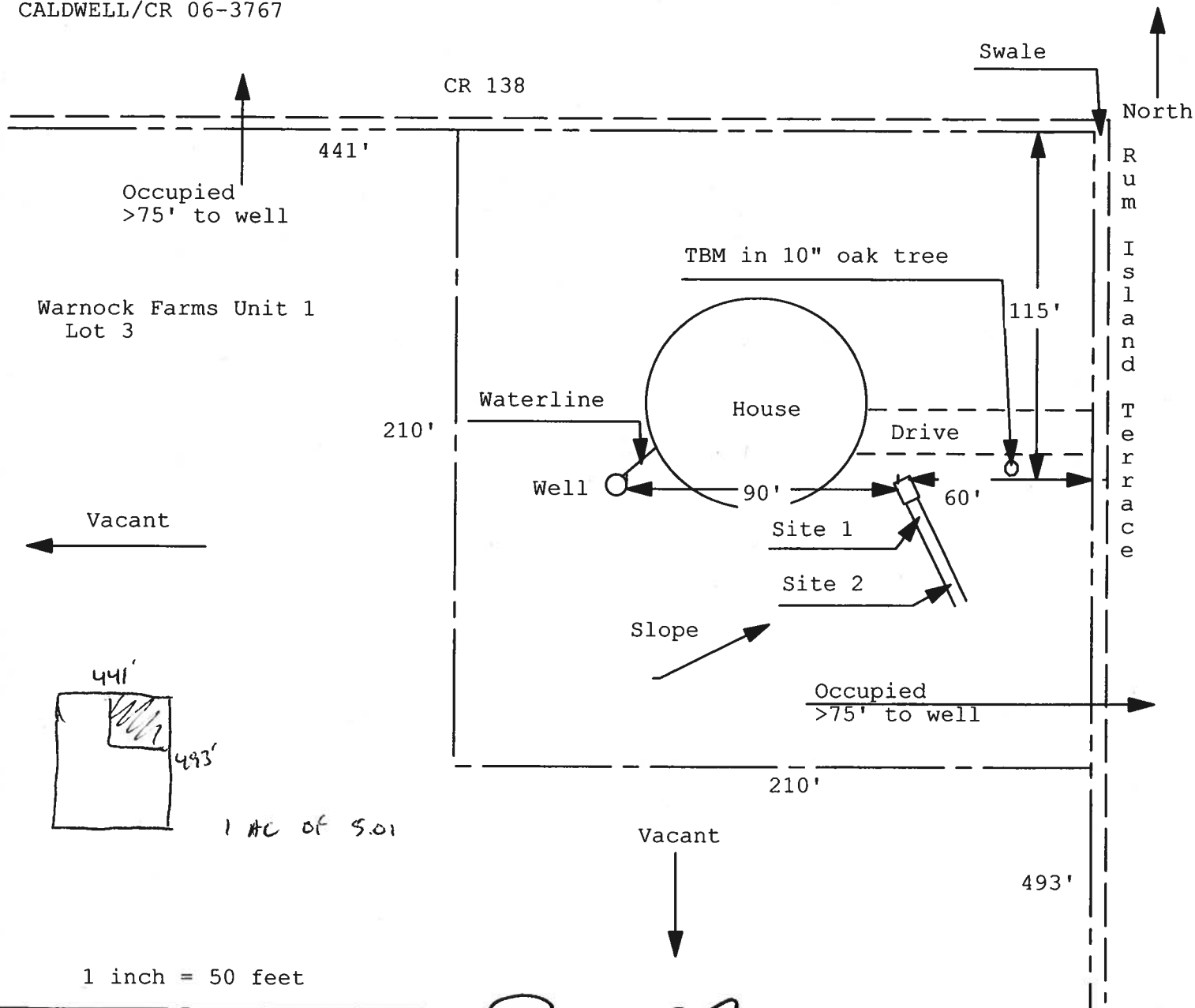


BUILDING OFFICIAL: _____
DATE: _____

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 06-1010

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CALDWELL/CR 06-3767



Site Plan Submitted By Paul Lloyd

Plan Approved ☒

Not Approved

Date

11/13/06

By [Signature]

APPROVED

Date 11/13/06

Columbia CHD

CPHU

Notes:

10-30
Call CC

Prepared by and Return to:
Mary T. Dotson, an employee of
Alachua Title Services, LLC,
P.O. Box 2408 (32616), 16407 N.W. 174th Drive, Suite C
Alachua, Florida 32615
386-418-8183

File Number: 05-226

Inst:2006000108 Date:01/04/2006 Time:12:54

Doc Stamp-Deed : 616.00

mk DC, P. Dewitt Cason, Columbia County B:1070 P:385

WARRANTY DEED

This indenture made on January 3, 2006 A.D., by and between Beulah M. French, an unmarried woman and Sarah M. Bina, a married woman, whose address is 631 SW Unity Court, Ft. White, Florida 32038, hereinafter called the "grantor", to Barbara R. Caldwell, whose address is ~~XXXXXX~~ ^{Trust} ~~XXXXXX~~, hereinafter called the "grantee": BC JB
BC JB P.O. Box 387, Port Salerno, FL 34992

(Whenever used herein the term "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)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, to-wit:

Lot 3 of WARNOCK FARMS, according to the Plat thereof as recorded in Plat Book 7, Page(s) 24, of the Public Records of Columbia County, Florida.

Parcel ID Number: R04324-103

Subject to covenants, conditions, restrictions and easements of record.

TOGETHER WITH 1987 Double Wide Mobile Home, I.D. #H46423GL and H46423GR, as part of real property thereof.

Said property is not the homestead of the Grantor, Sarah M. Bina under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

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

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

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

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of these witnesses:

Mary T. Dotson
Witness Signature
MARY T. DOTSON

Witness Print Name:

Sue Reichert
Witness Signature
Sue Reichert
Witness Print Name:

Beulah M. French
Beulah M. French

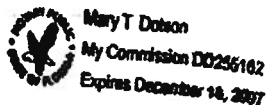
Sarah M. Bina
Sarah M. Bina

State of Florida

County of Alachua

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED before me on January 03, 2006, by Beulah M. French and Sarah M. Bina who is/are personally known to me or has/have produced a valid driver's license/as identification

Mary T. Dotson
NOTARY PUBLIC
MARY T. DOTSON
Notary Print Name
My Commission Expires: _____



Inst:2006000108 Date:01/04/2006 Time:12:54

Doc Stamp-Deed : 616.00

DC, P. Dewitt Cason, Columbia County B:1070 P:386

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 11/3/2006 DATE ISSUED: 11/6/2006

ENHANCED 9-1-1 ADDRESS:

128 SW RUM ISLAND TER

FORT WHITE FL 32038

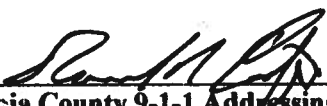
PROPERTY APPRAISER PARCEL NUMBER:

26-7S-16-04324-103

Remarks:

PARENT PARCEL, PART OF LOT 3 WARNOCK FARMS 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.

480

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 732-1854
FAX (904) 755-7022
XXXXXXXXXXXXXXXXXXXXX
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

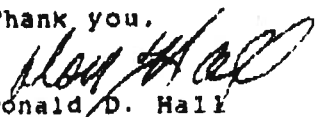
1

NOTICE TO ALL CONTRACTORS

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

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

Thank you.


Donald D. Hall
DDH/jk

Terry

Terry Zierke Construction
Barbara Caldwell Job



Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance
with County's Comprehensive Plan and
Land Development Regulations

To: Terry Zierke

Fax: 386.755.2220

From: Brian L. Kepner, County Planner

Fax: 386.758.2160

Number of pages: 1

Date: 29 November 2006

RE: Building Permit Application 0611-48, Barbara Caldwell

Dear Terry:

The above referenced Building Permit Application did include a site plan. However, no distances from the proposed house to the property lines are indicated. In addition, that portion of the building permit application concerning setback have been left blank. Please come in and provide the distances for the application and the site plan, thank you.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Confidentiality Notice: This facsimile transmission is confidential and is intended only for the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.

Residential System Sizing Calculation

Summary

Rum Island Terrace
FL 32025-

Project Title:
Bobbi Coldwell

Code Only
Professional Version
Climate: North

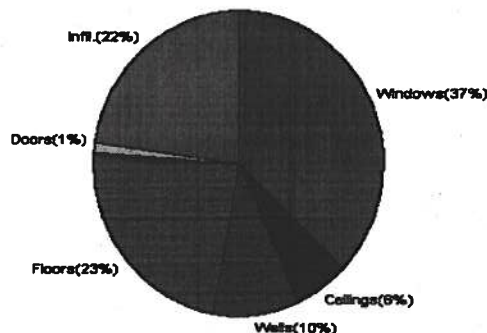
11/13/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	22564 Btuh	Total cooling load calculation	27414 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.7 27000	Sensible (SHR = 0.75)	89.5 20250
Heat Pump + Auxiliary(0.0kW)	119.7 27000	Latent	141.3 6750
		Total (Electric Heat Pump)	98.5 27000

WINTER CALCULATIONS

Winter Heating Load (for 1166 sqft)

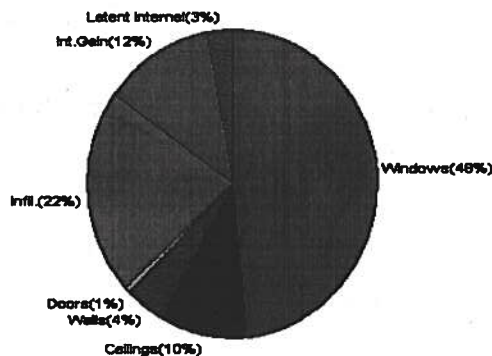
Load component		Load	
Window total	179 sqft	8411	Btuh
Wall total	769 sqft	2199	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	1166 sqft	1374	Btuh
Floor total	121 sqft	5283	Btuh
Infiltration	124 cfm	5038	Btuh
Duct loss		0	Btuh
Subtotal		22564	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		22564	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1166 sqft)

Load component		Load	
Window total	179 sqft	13269	Btuh
Wall total	769 sqft	1153	Btuh
Door total	20 sqft	196	Btuh
Ceiling total	1166 sqft	2674	Btuh
Floor total		0	Btuh
Infiltration	109 cfm	2025	Btuh
Internal gain		3320	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		22637	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		3977	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		800	Btuh
Total latent gain		4777	Btuh
TOTAL HEAT GAIN		27414	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Jon Morris

DATE: 11-13-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Rum Island Terrace
FL 32025-

Project Title:
Bobbi Coldwell

Code Only
Professional Version
Climate: North

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

11/13/2006

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	NE	15.0	47.0	705 Btuh
2	1, Clear, Metal, 1.27	NE	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	E	4.0	47.0	188 Btuh
4	1, Clear, Metal, 1.27	NW	30.0	47.0	1410 Btuh
5	1, Clear, Metal, 1.27	SW	72.0	47.0	3383 Btuh
6	1, Clear, Metal, 1.27	SE	18.0	47.0	846 Btuh
	Window Total		179(sqft)		8411 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.08)	19.0	769	2.9	2199 Btuh
	Wall Total		769		2199 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Unvented Attic/D/Shin)	30.0	1166	1.2	1374 Btuh
	Ceiling Total		1166		1374 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	121.0 ft(p)	43.7	5283 Btuh
	Floor Total		121		5283 Btuh
	Zone Envelope Subtotal:				17526 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	9328	124.4	5038 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				22564 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	22564 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	22564 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Rum Island Terrace
, FL 32025-

Project Title:
Bobbi Coldwell

Code Only
Professional Version
Climate: North

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

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Rum Island Terrace
FL 32025-

Project Title:
Bobbi Coldwell

Code Only
Professional Version
Climate: North

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

11/13/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	NE	15.0	47.0	705 Btuh
2	1, Clear, Metal, 1.27	NE	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	E	4.0	47.0	188 Btuh
4	1, Clear, Metal, 1.27	NW	30.0	47.0	1410 Btuh
5	1, Clear, Metal, 1.27	SW	72.0	47.0	3383 Btuh
6	1, Clear, Metal, 1.27	SE	18.0	47.0	846 Btuh
	Window Total		179(sqft)		8411 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.08)	19.0	769	2.9	2199 Btuh
	Wall Total		769		2199 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Unvented Attic/D/Shin)	30.0	1166	1.2	1374 Btuh
	Ceiling Total		1166		1374 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	121.0 ft(p)	43.7	5283 Btuh
	Floor Total		121		5283 Btuh
	Zone Envelope Subtotal:				17526 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	9328	124.4	5038 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				22564 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	22564 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	22564 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Rum Island Terrace
, FL 32025-

Project Title:
Bobbi Coldwell

Code Only
Professional Version
Climate: North

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

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Rum Island Terrace
 , FL 32025-

Project Title:
 Bobbi Coldwell

Code Only
 Professional Version
 Climate: North

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

11/13/2006

Component Loads for Whole House

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	NE	1.5ft	8ft.	15.0	0.0	15.0	37	72	1084	Btuh
2	1, Clear, 1.27, None,N,N	NE	1.5ft	8ft.	40.0	0.0	40.0	37	72	2890	Btuh
3	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	4.0	0.0	4.0	37	94	376	Btuh
4	1, Clear, 1.27, None,N,N	NW	1.5ft	8ft.	30.0	0.0	30.0	37	72	2167	Btuh
5	1, Clear, 1.27, None,N,N	SW	1.5ft	8ft.	72.0	0.0	72.0	37	75	5402	Btuh
6	1, Clear, 1.27, None,N,N	SE	1.5ft	8ft.	18.0	0.0	18.0	37	75	1351	Btuh
Window Total					179 (sqft)					13269 Btuh	
Walls 1	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
	Frame - Wood - Ext	19.0/0.08			769.0			1.5		1153 Btuh	
	Wall Total				769 (sqft)					1153 Btuh	
Doors 1	Type				Area (sqft)			HTM		Load	
	Insulated - Exterior				20.0			9.8		196 Btuh	
	Door Total				20 (sqft)					196 Btuh	
Ceilings 1	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
	Unvented Attic/DarkShingle	30.0			1166.0			2.3		2674 Btuh	
	Ceiling Total				1166 (sqft)					2674 Btuh	
Floors 1	Type	R-Value			Size			HTM		Load	
	Slab On Grade	0.0			121 (ft(p))			0.0		0 Btuh	
	Floor Total				121.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									17292 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural	0.70			9328			108.8		2025 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	4			X 230 +			2400		3320 Btuh		
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									22637 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Rum Island Terrace
FL 32025-

Project Title:
Bobbi Coldwell

Code Only
Professional Version
Climate: North

11/13/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22637 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22637 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	22637 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3977 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4777 Btuh
	TOTAL GAIN	27414 Btuh

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

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

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

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

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

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

(Omt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Rum Island Terrace
FL 32025-

Project Title:
Bobbi Coldwell

Code Only
Professional Version
Climate: North

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

11/13/2006

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Omt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	NE	1.5ft	8ft.	15.0	0.0	15.0	37	72	1084	Btuh
2	1, Clear, 1.27, None,N,N	NE	1.5ft	8ft.	40.0	0.0	40.0	37	72	2890	Btuh
3	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	4.0	0.0	4.0	37	94	376	Btuh
4	1, Clear, 1.27, None,N,N	NW	1.5ft	8ft.	30.0	0.0	30.0	37	72	2167	Btuh
5	1, Clear, 1.27, None,N,N	SW	1.5ft	8ft.	72.0	0.0	72.0	37	75	5402	Btuh
6	1, Clear, 1.27, None,N,N	SE	1.5ft	8ft.	18.0	0.0	18.0	37	75	1351	Btuh
	Window Total				179 (sqft)					13269 Btuh	
Walls 1	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
	Frame - Wood - Ext	19.0/0.08		769.0			1.5		1153 Btuh		
	Wall Total			769 (sqft)					1153 Btuh		
Doors 1	Type			Area (sqft)			HTM		Load		
	Insulated - Exterior			20.0			9.8		196 Btuh		
	Door Total			20 (sqft)					196 Btuh		
Ceilings 1	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
	Unvented Attic/DarkShingle	30.0		1166.0			2.3		2674 Btuh		
	Ceiling Total			1166 (sqft)					2674 Btuh		
Floors 1	Type	R-Value		Size			HTM		Load		
	Slab On Grade	0.0		121 (ft(p))			0.0		0 Btuh		
	Floor Total			121.0 (sqft)					0 Btuh		
	Zone Envelope Subtotal:									17292 Btuh	
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural	0.70		9328			108.8		2025 Btuh		
Internal gain	Occupants		Btuh/occupant			Appliance		Load			
	4		X 230 +			2400		3320 Btuh			
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									22637 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Rum Island Terrace
 , FL 32025-

Project Title:
 Bobbi Coldwell

Code Only
 Professional Version
 Climate: North

11/13/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22637 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22637 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	22637 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3977 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4777 Btuh
	TOTAL GAIN	27414 Btuh

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



For Florida residences only

Residential Window Diversity

MidSummer

Rum Island Terrace
FL 32025-

Project Title:
Bobbi Coldwell

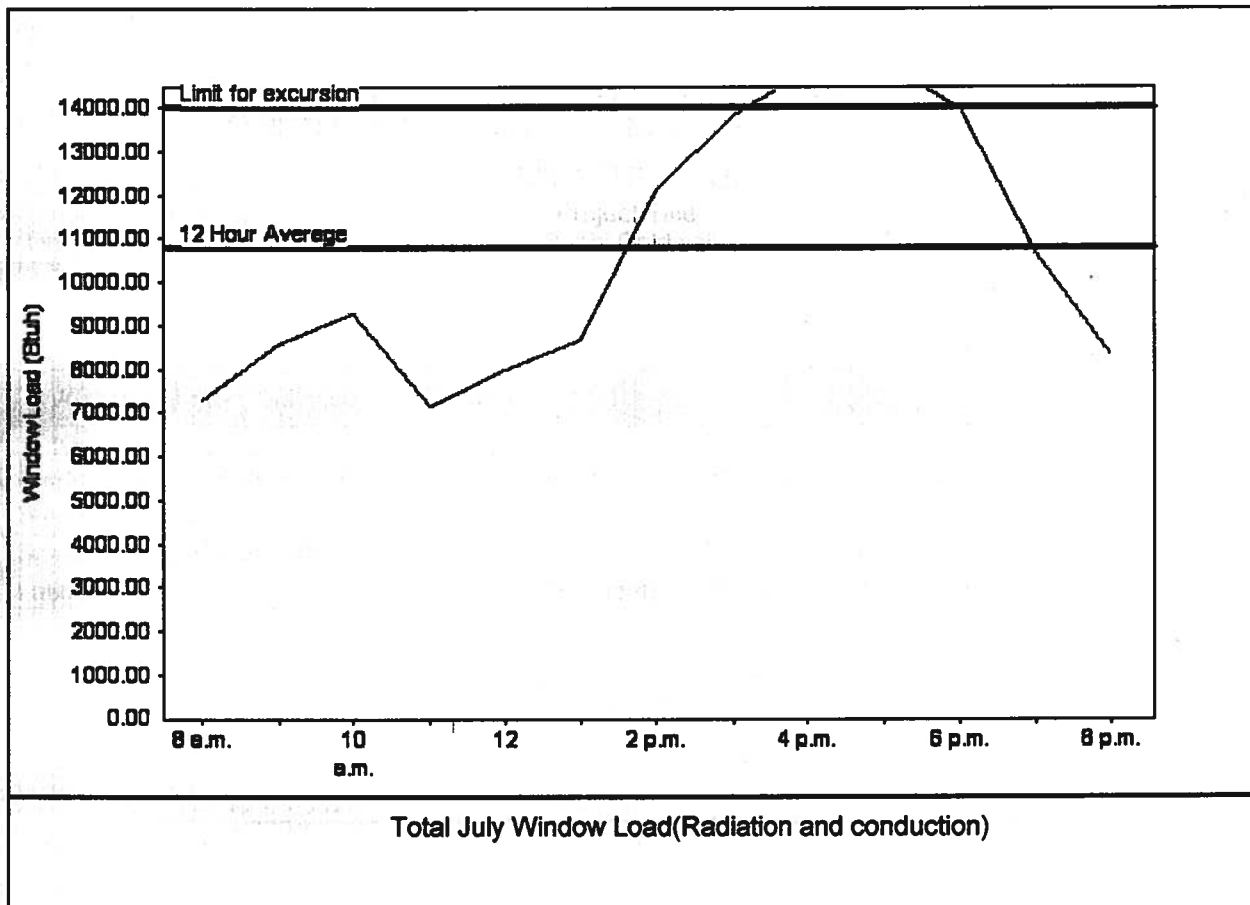
Code Only
Professional Version
Climate: North

11/13/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	10769 Btu
Summer setpoint	75 F	Peak window load for July	14952 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	13999 Btu
Latitude	29 North	Window excursion (July)	953 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1



FL #	Model, Number or Name	Description
6703.1	SGD 3000	Aluminum Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +41.7 /-41.7 Other: Non-Impact Shutters Required NOA #05-1020.02		Certification Agency Certificate FL6703_R0_C_CAC_05-1020.02.pdf Installation Instructions FL6703_R0_II_05-1020.02.pdf Verified By: Miami-Dade BCCO - CER



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

www.buildingcodeonline.com

Traco Windows & Doors, Inc.
71 Progress Avenue
Cranberry Township, PA 16066

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "3000" Aluminum Sliding Glass Door

APPROVAL DOCUMENT: Drawing No. 04-113-0006, titled "Series 3000 Aluminum Sliding Glass Door", sheets 1 through 6 of 6, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated 06/03/03, with last revision on 02/09/06, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 04-0817.01 and, consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P.E.



J. Gascon
3/28/06

NOA No 05-1020.02
Expiration Date: June 5, 2008
Approval Date: April 20, 2006
Page 1

Traco Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **04-113-0006**, titled "Series 3000 Aluminum Sliding Glass Door", sheets 1 through 6 of 6, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated 06/03/03 with last revision on 02/09/06, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram and marked-up drawings of an aluminum sliding glass door prepared by Farabaugh Engineering and Testing, Inc., No. **FET-TI60-04**, dated June 23, 2004, signed and sealed by Daniel G. Farabaugh, P.E.

C. CALCULATIONS

1. Revised Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Frank L. Bernardo, P.E., Consulting Engineer, dated 08/31/06, signed and sealed by Frank L. Bennardo, P.E.
Complies with ASTM E1300-98

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

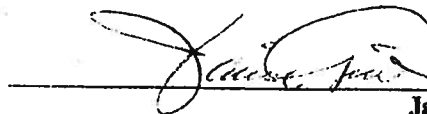
1. None

F. STATEMENTS

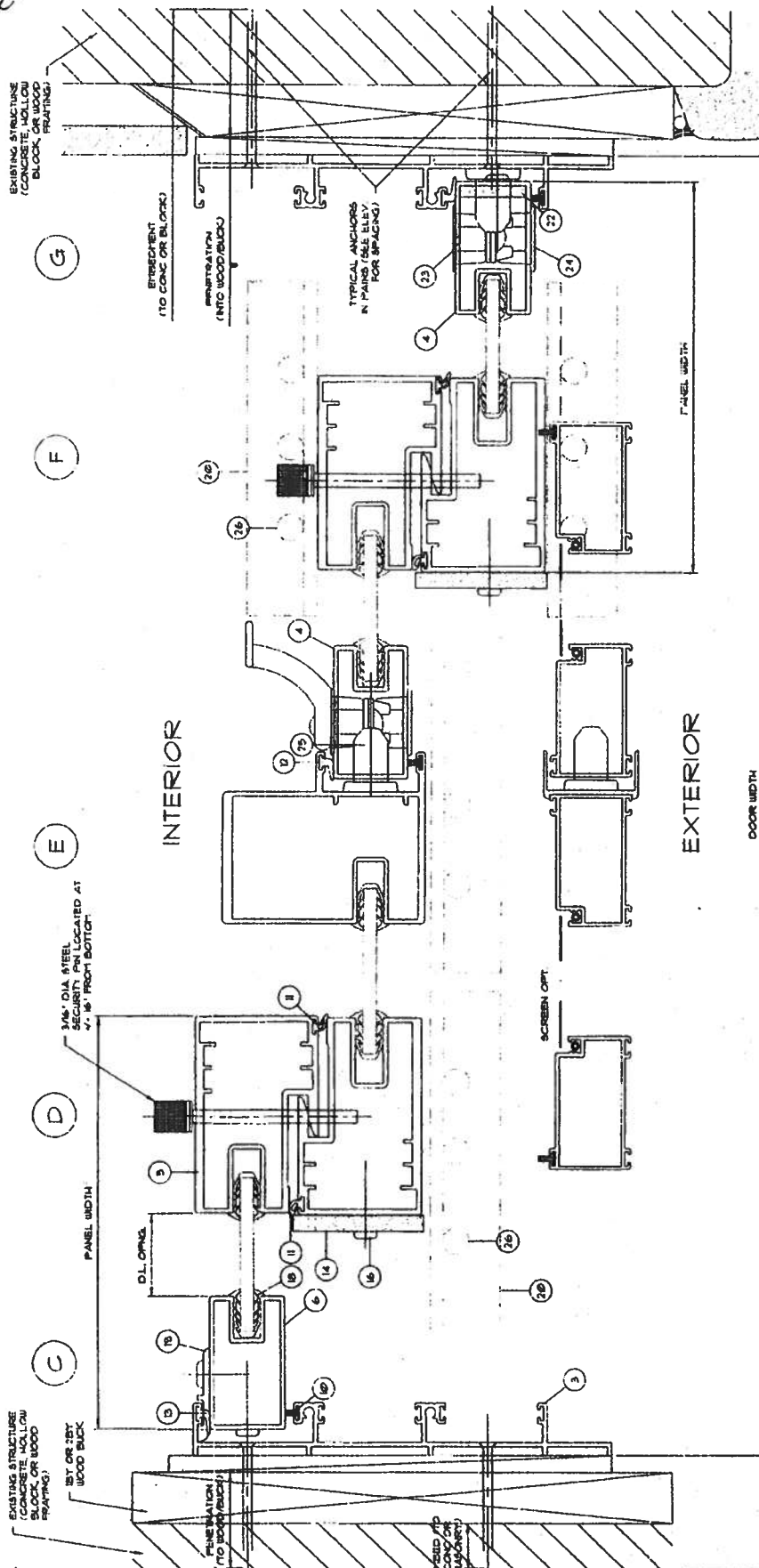
1. Statement letter of conformance and no financial interest, dated 09/26/05, signed and sealed Frank L. Bennardo, P.E.

G. OTHER

1. Notice of Acceptance No. **04-0817.01**, issued to Traco Windows & Doors, Inc., Series "3000" Aluminum Sliding Glass Door, approved on 09/16/04, and expiring on 06/05/08.
2. Letter from consultant, dated 03/23/06, stating that the product is in compliance with the Florida Building Code (FBC).



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 05-1020.02
Expiration Date: June 5, 2008
Approval Date: April 20, 2006



TYPICAL ANCHORS: SEE TYPICAL ELEV. (SHEET 1) FOR SPACING

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE.

THRU WOOD BLOCKS INTO CONCRETE MASONRY OR DIRECTLY INTO CONCRETE MASONRY.

1/4" TAPCONS, 1-1/2" MIN CONCRETE/MASONRY EMBED
TAPCONS BY:

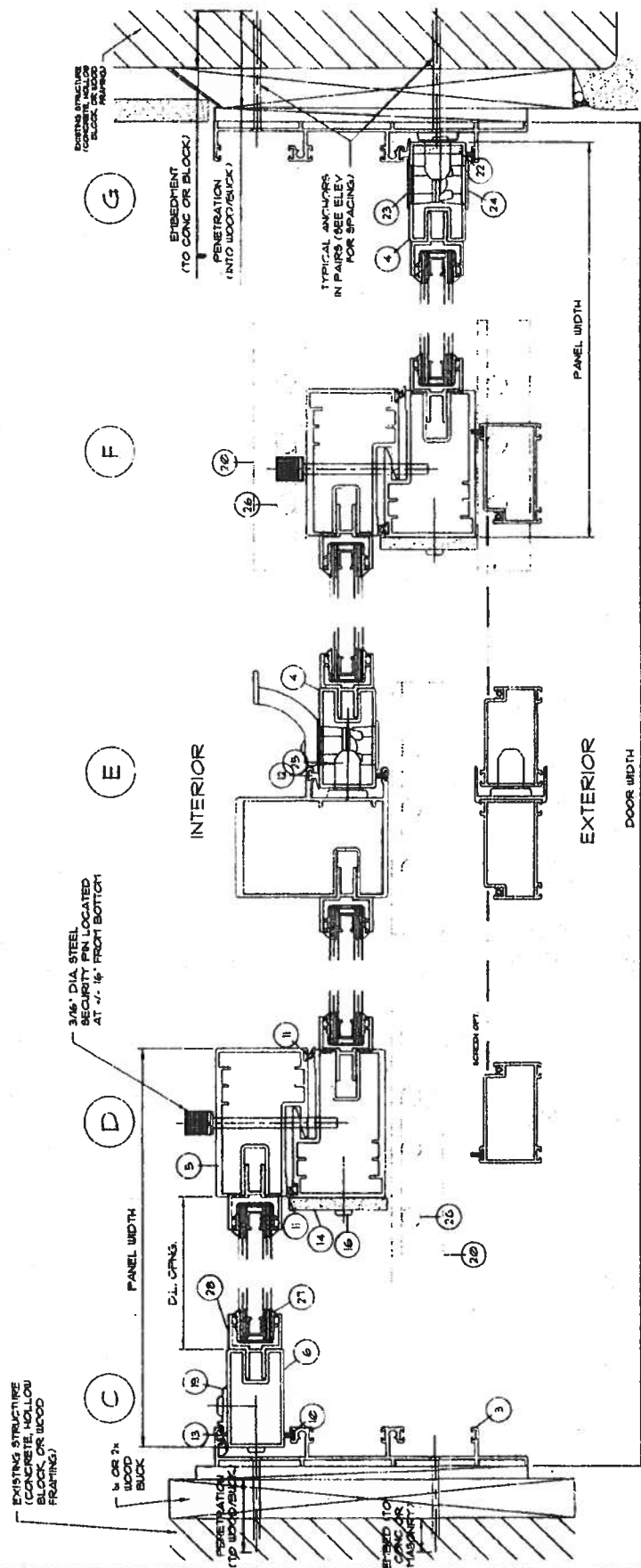
TAPCONS BY: 'ITW', OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOA)

SEALANTS:

ALL FRAME AND PANEL CORNERS AND INSTALLATIONS
SCREWS SEALS WITH WHITE/ALUMINUM COLORED "SUPER
SEAL" SEALANT.

REFERENCE ANCHOR NOTES ON
SHEET 3 OF THESE DRAWINGS

FREIGHT CARRIER
in compliance with the Federal
Motor Carrier
Regulations No. 49-100.02.
Exemption Authority: 49-108
[Signature]
Federal Motor Product Control
Division



TYPICAL ANCHORS: SEE TYPICAL ELEV. (SHEET 1) FOR SPACING

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE

1/4 SIB, 1-3/8" MIN. WOOD PENETRATION

THRU WOOD BUCKS INTO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY:

1/4" TAPCONS, 1-1/4" MIN CONCRETE MASONRY EMBED

(TAPCONS BY "ELCO" OR "ITW", OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOA)

SEALANTS:

ALL FRAME AND PANEL CORNERS AND INSTALLATIONS

SCREWS SEALS W

11-11-11

REFERENCE ANCHOR NOTES ON

SHEET 3 OF THESE DRAWINGS

FRANK C. MURPHY
 in compliance with the Florida
 Building Code
 Approved By: 05/10/2002
 Inspection Date: 05/08/2002
 By: [Signature]
 Name: Frank C. Murphy
 Title: Inspector

ITEM NO	PART NUMBER	QUANTITY	DESCRIPTION	PARTIAL	PLAS SUPPLIERS COMMENTS
1	690-000-095	1	PRIME HEAD	6903-15	
2	690-000-071	1	SILL TRUCK	6903-16	MILL PRISM
3	690-000-031	2	PRIME JAMB	6903-16	
4	690-000-104	AS REQ	LOCK STILE	6903-16	
5	690-000-104	4	INTERLOCK	6903-17	
6	690-000-104	AS REQ	JAMB STILE	6903-17	
7	690-000-143	1	MEETING STILE	6903-16	
8	690-000-143	3/1 PANEL	TOP & BOTTOM RAIL	6903-16	
9	690-000-103	1	SILL RISER	6903-16	
10	690-000-094	1	WOOD-PILE	6903-16	
11	690-000-071	AS REQ	BUILD UPSTRIPPING	VNTL	
12	690-000-071	AS REQ	FLAP UPSTRIPPING (TOP RAIL)	VNTL	
13	690-000-071	AS REQ	FLAP UPSTRIPPING (JAMB)	VNTL	
14	690-000-090	AS REQ	FLOWER CELL FOAM PAD 3/8" X 3/4"		AT TOP AND BOTTOM OF INTERLOCK
15	690-000-090	3/1 CORNER	PRIME ASSEMBLY SCREW		NO X 1 PMH 276
16	690-000-110	1/1 CORNER	PRIME ASSEMBLY SCREW		NO X 1 PMH 276
17	690-000-085	3/1 PANEL	WHEEL ASSEMBLY		INTERLOCKOUT: PDS DEFERED
18	690-000-093	AS REQ	3/8" GLAZING CHANNEL	ALUMIN	W 3/8 X 1/2 TEELS SCREWS
19	690-000-093	3/1 PANEL	FIXED PANEL CLIP	ALUMIN	
20	690-000-093	1/1 PANEL	1/4 X 3/4 X 3/8 X 3/8 ANGLE		
21	690-000-093	1/1 PANEL	1/4 X 3/4 X 1/2 X 3/8 ANGLE	ALUMIN	
22	690-000-090	AS REQ	FLOWER CELL FOAM PAD 1/2" X 2 1/2"		AT TOP AND BOTTOM OF JAMB
23	690-000-090	AS REQ	1/4" INTERIOR FILL W NIGHT LATCH		
24	690-000-090	AS REQ	R/4 EXTERIOR FILL W LOCK KNOCKOUT		
25	690-000-093	1	KEEPER		
26	690-000-140	AS REQ	HURRICANE ANGLE ANCHOR SCREW		NO X 2 1/2 276 OR 3/8" TAPSCREW
27	690-000-071	AS REQ	GLAZING CHANNEL	VNTL	
28	690-000-071	AS REQ	GLAZING ADAPTER	6903-18	

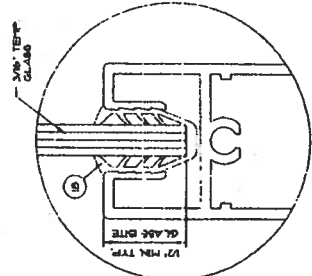
TYPICAL ANCHORS. SEE TYPICAL ELEV. (SHEET 1) FOR SPACING

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE:
44 STD. 1- $\frac{1}{2}$ " MIN. WOOD PENETRATION

THRU WOOD BUCKS INTO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY:
1/4" TAPCONS 1- $\frac{1}{2}$ " MIN. CONCRETE/MASONRY EMBED
TAPCONS BY 1/4" OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOA
ELCO OR ITU.

SEALANT IS:

ALL FRAME AND PANEL CORNERS AND INSTALLATIONS. SCREWS
SEALS WITH WHITE/ALUMINUM COLORED "SUPER SEAL" SEALANT.

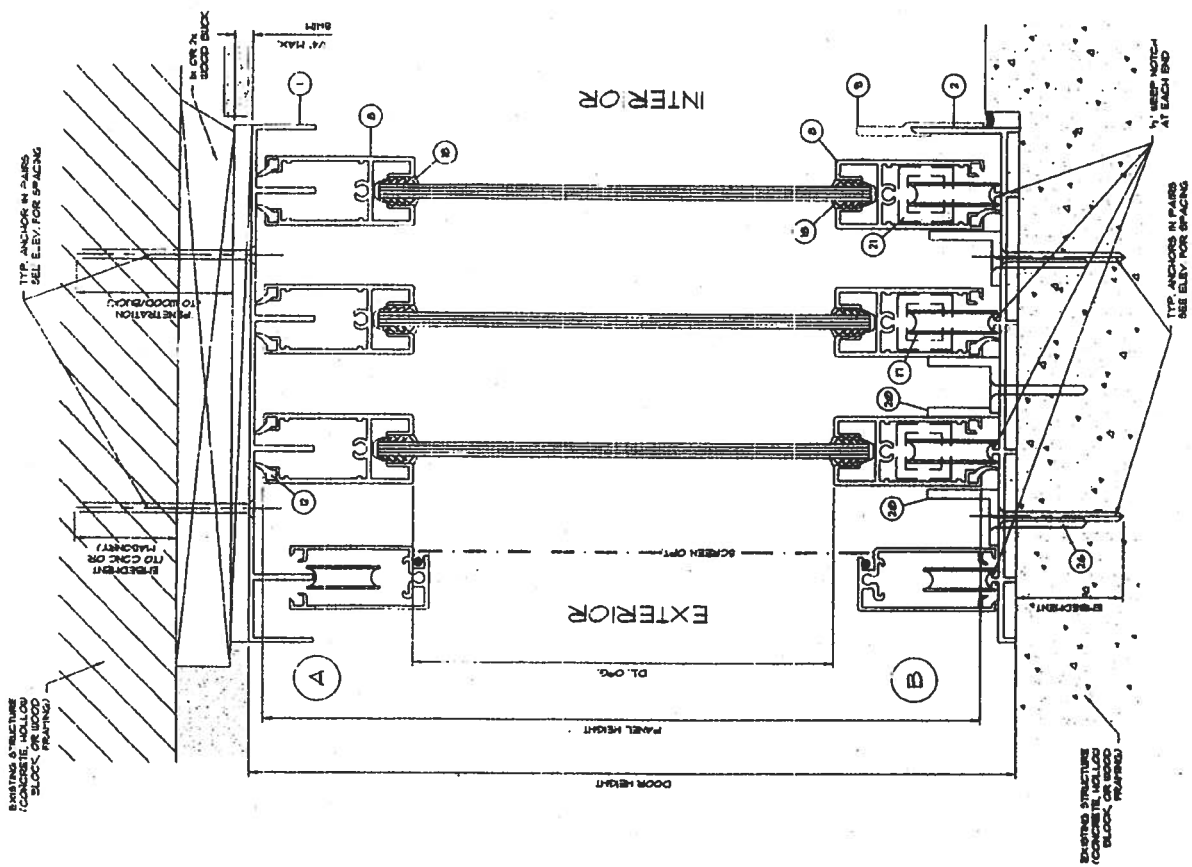


3/16" MONOLITHIC
GLAZING DETAIL
N.T.S.

ANCHOR NOTES:

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
2. ANCHOR EMBEDMENT SHALL BE IN BASE MATERIAL EXCLUDING STUCCO OR WALL FINISH.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN IN TYPICAL ELEVATION ON SHEET 1.
4. WOOD BLOCKS (IF OTHERS) MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.

FD-302 (CT-REV/10-10-2011)
 Interview with the People
 Interviewed: [Signature]
 Date: 05-12-2012
 Time: 10:00 AM
 Location: [Signature]
 Page 1 of 1



6

04-113-0006

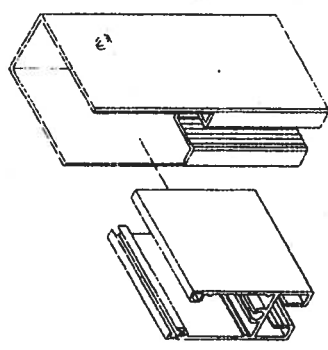
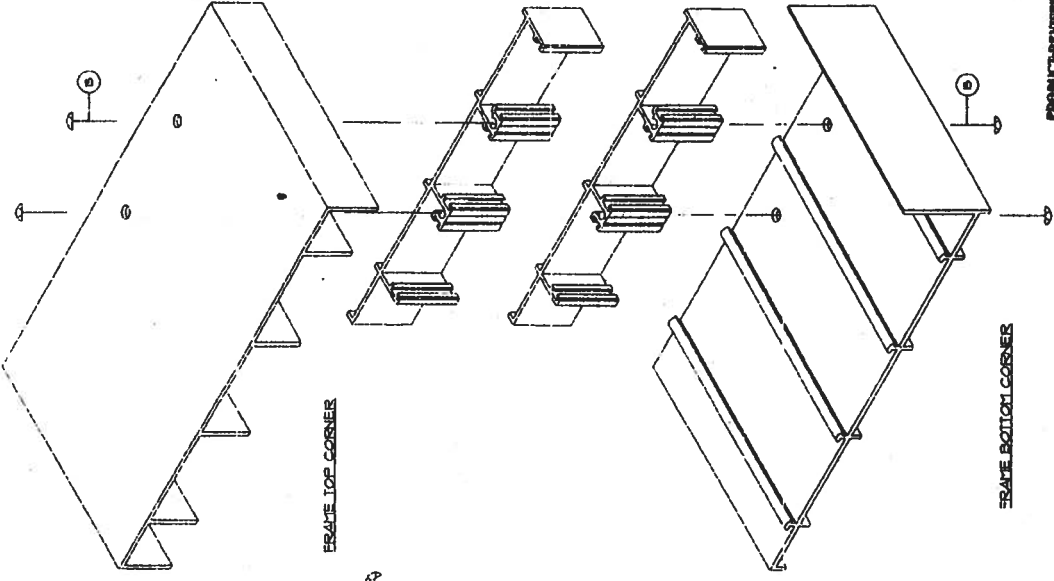
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5	02/05/08	JLB	JLB	02/05/08
6	02/05/08	JLB	JLB	02/05/08
7	02/05/08	JLB	JLB	02/05/08
8	02/05/08	JLB	JLB	02/05/08
9	02/05/08	JLB	JLB	02/05/08
10	02/05/08	JLB	JLB	02/05/08

TRACO
Windows & Doors, Inc.
71 Progress Avenue
Cranberry Township, PA 15166
SERIES 3000 ALUMINUM
SLIDING GLASS DOOR

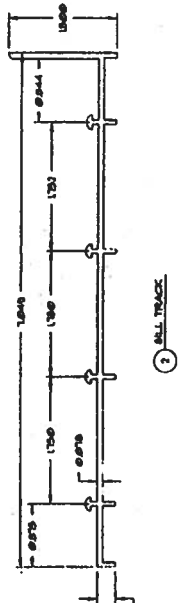
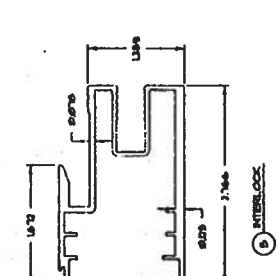
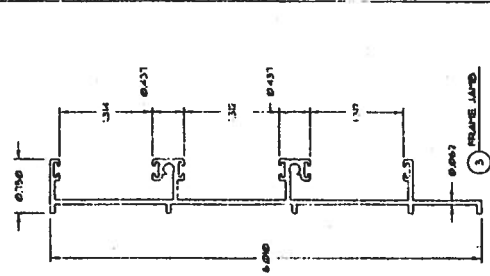
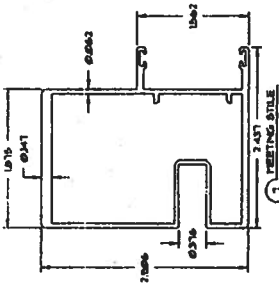
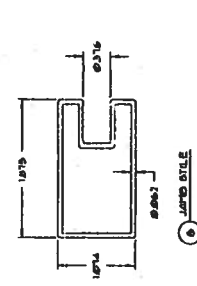
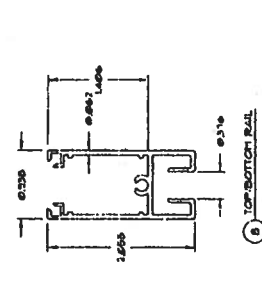
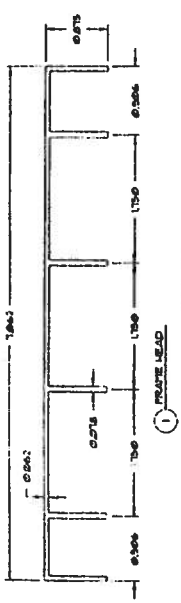
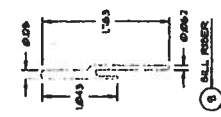
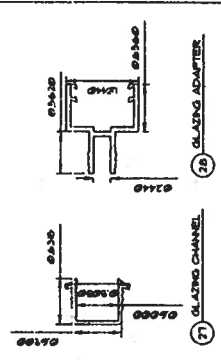
FRANK L. BENNARDI, P.E., INC.
CONSULTING ENGINEERS
4441 NORTH DIXIE HIGHWAY
BOCA RATON, FL 33431
(951) 381-2888 FAX: (951) 381-2882
WWW.FLBENGINEERING.COM
CERTIFICATE OF AUTHORIZATION: 88855

FRANK L. BENNARDI, P.E.
#10004550
02/05/08

PROJECT-SPECIFIED
as existing with the Florida
Building Code
Adopted by
Ordinance 05-102002
Effective Date 05/05/08
By: [Signature]
Title: [Signature]



PANEL TOP/BOTTOM CORNER



FL #	Model, Number or Name	Description
7351.1	Belleville Fiberglass Door Unit	6'-8" Opaque I/S and O/S Single Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +70.0 /-70.0 Other: Evaluated for use in locations adhering to the Florida Building Code excluding the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, does not exceed the design pressures listed. 3'-0" x 6'-8" max nominal size. When large missile impact resistance is required, hurricane protective system is not required. See detail drawing DWG-MA-FL0151-06 for additional information.		Certification Agency Certificate FL7351_R0_C_CAC_NI006063-R2.pdf Installation Instructions FL7351_R0_II_68 Opaque Anchor Detail.pdf Verified By: National Accreditation & Management Institute,
7351.2	Belleville Fiberglass Door Unit	8'-0" Opaque I/S and O/S Single Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +70.0 /-70.0 Other: Evaluated for use in locations adhering to the Florida Building Code excluding the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, does not exceed the design pressures listed. 3'-0" x 8'-0" max nominal size. When large missile impact resistance is required, hurricane protective system is not required. See detail drawing DWG-MA-FL0152-06 for additional information.		Certification Agency Certificate FL7351_R0_C_CAC_NI006063-R2.pdf Installation Instructions FL7351_R0_II_80 Opaque Anchor Detail.pdf Verified By: National Accreditation & Management Institute,
7351.3	Belleville Fiberglass Door Unit	6'-8" Opaque Inswing Single or Double Door w/ or w/o Sidelites
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +50.5 /-50.5 Other: Evaluated for use in locations adhering to the Florida Building Code excluding the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, does not exceed the design pressures listed. 12'-0" x 6'-8" max		Certification Agency Certificate FL7351_R0_C_CAC_NI006063-R2.pdf Installation Instructions FL7351_R0_II_68 Opaque Anchor Detail.pdf Verified By: National Accreditation & Management Institute,

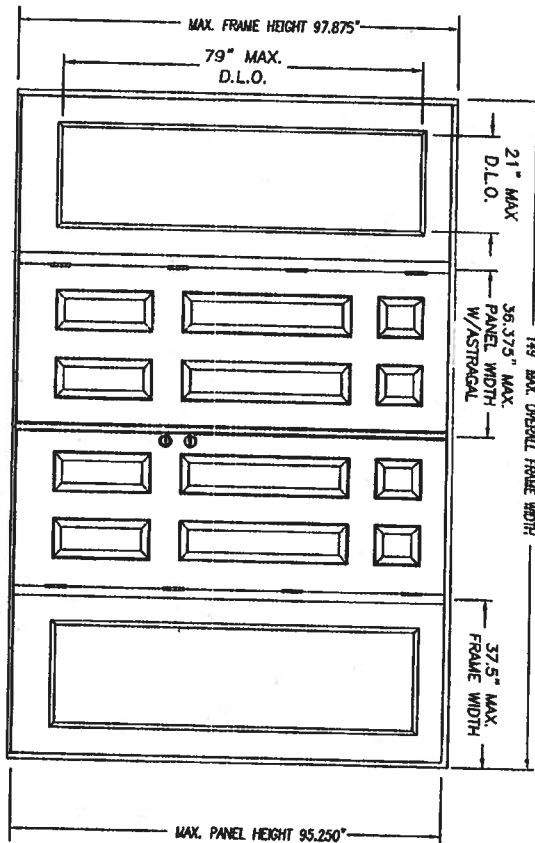


BELLEVILLE FIBERGLASS DOOR UNIT
8'-0" DOUBLE DOOR WITH / WITHOUT SIDELITES

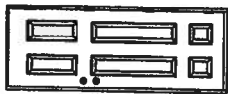
GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED.
2. WHEN INSTALLED IN THE WIND-BORNE DEBRIS REGION, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ), HURRICANE PROTECTIVE SYSTEM IS NOT REQUIRED ON OPAQUE PANELS OR PANELS WITH IMPACT GLASS, BUT IS REQUIRED ON PANELS WITH NON-IMPACT GLASS.

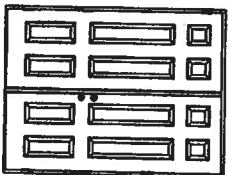
Customer No. N1 0010101-32
Drawing No. 8/15/06
Date Released 8/15/06



DOUBLE DOOR UNIT W/SIDELITES



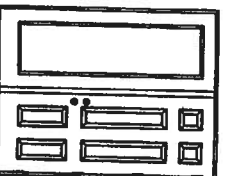
SINGLE DOOR UNIT



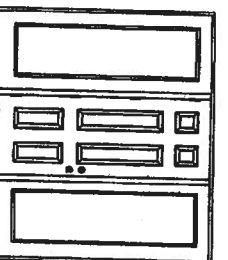
DOUBLE DOOR UNIT



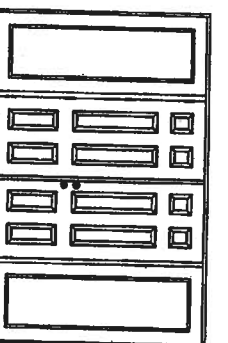
SINGLE DOOR UNIT
WITH SIDELITE



SINGLE DOOR UNIT
WITH SIDELITE



SINGLE DOOR UNIT W/SIDELITES

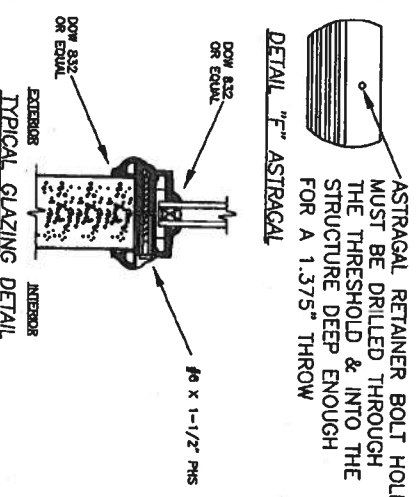
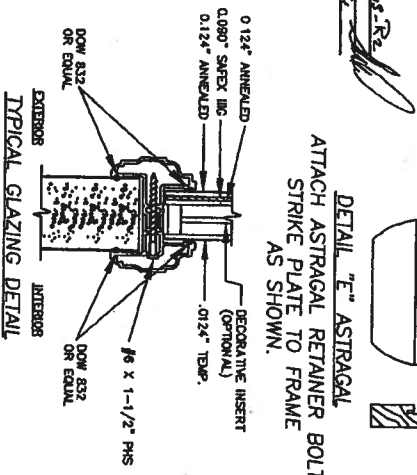
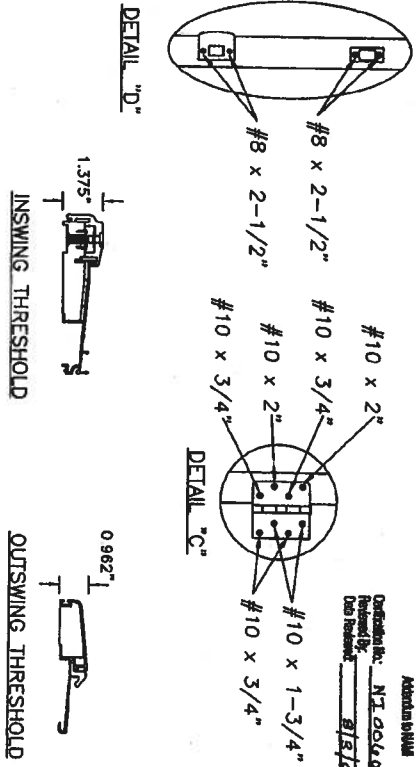
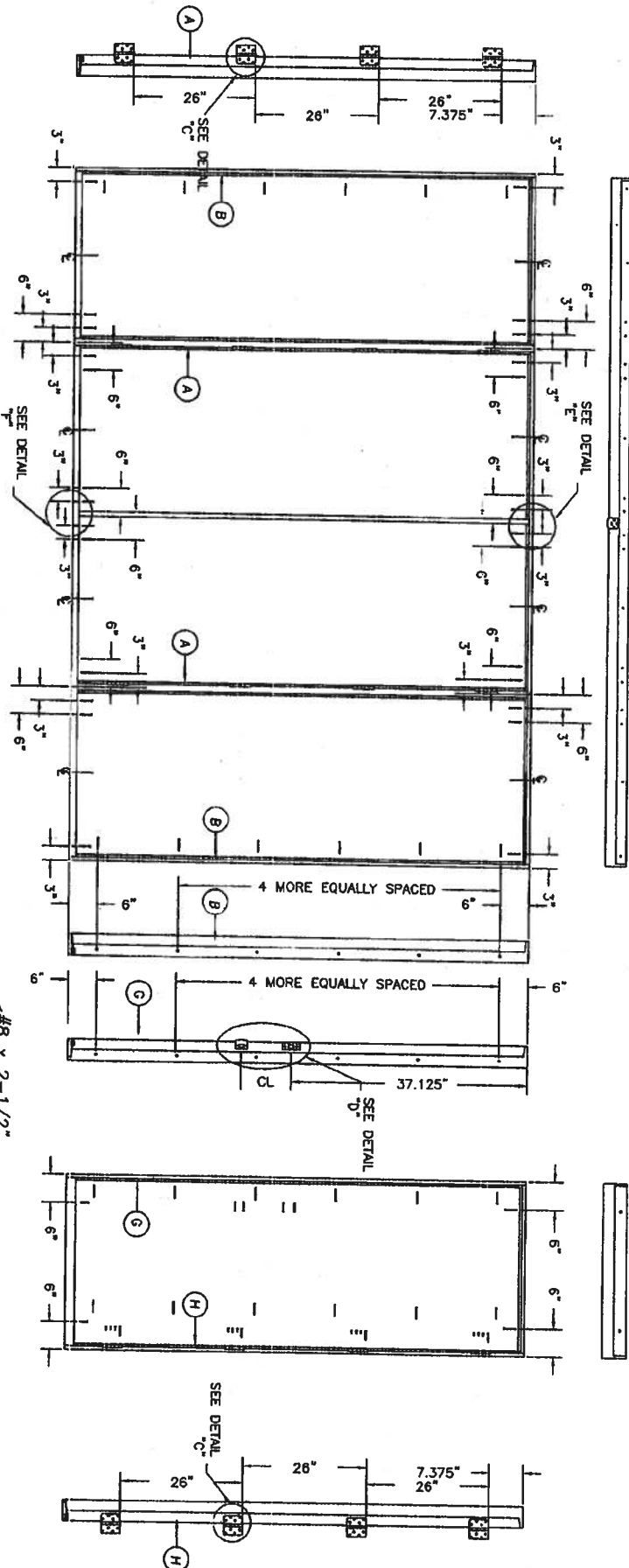


DOUBLE DOOR UNIT W/SIDELITES

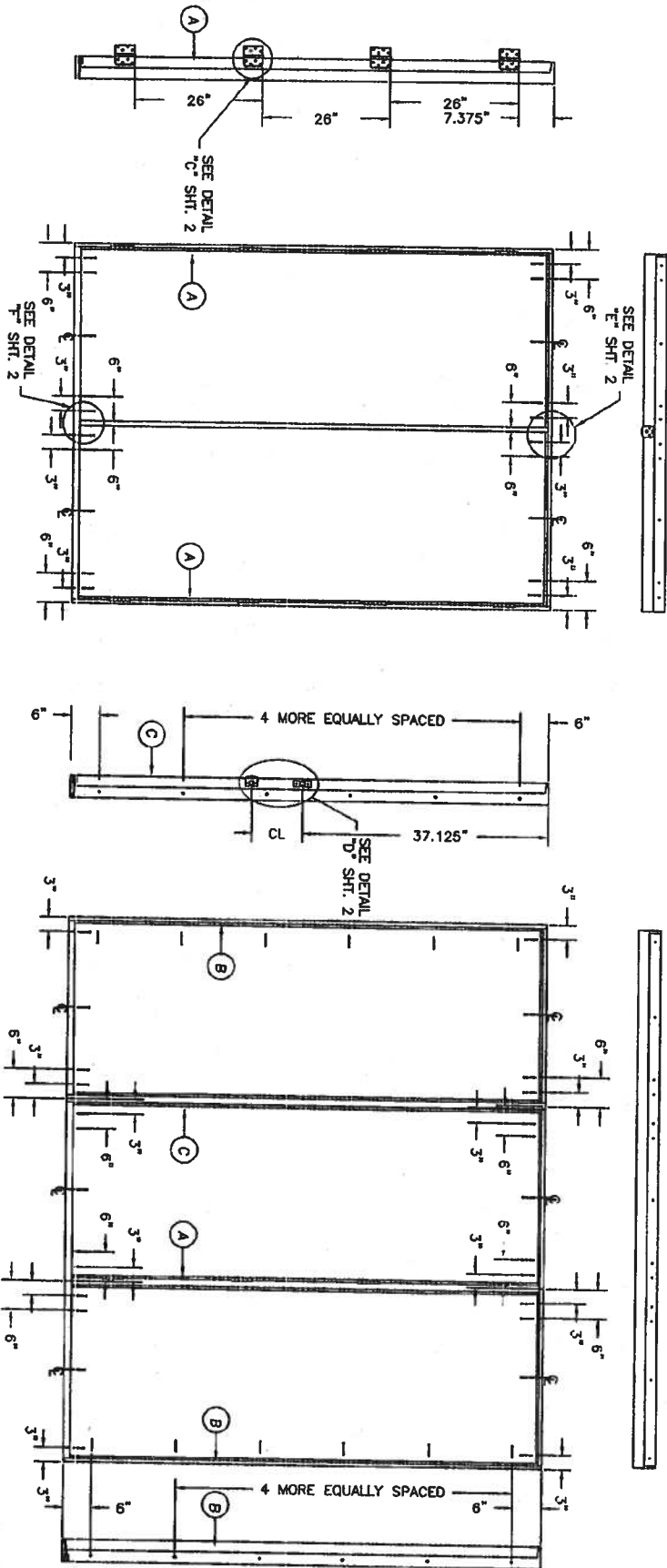
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

DESIGN PRESSURE RATING	
CONFIG	MAX WIDTH
X	37.5"
XX	74"
OX or XO	75"
OXO	112.5"
OXO	149"
INSWING	
+70.0 / -70.0	+70.0 / -70.0
+50.5 / -50.5	+50.5 / -50.5
+50.5 / -50.5	+50.5 / -50.5
+50.5 / -50.5	+50.5 / -50.5
+50.5 / -50.5	+50.5 / -50.5
OUTSWING	
+70.0 / -70.0	+70.0 / -70.0
+50.5 / -50.5	+50.5 / -50.5
+50.5 / -50.5	+50.5 / -50.5
+50.5 / -50.5	+50.5 / -50.5
+50.5 / -50.5	+50.5 / -50.5

DATE: 7/26/06	SCALE: N.T.S.	DATE: 7/26/06	SCALE: N.T.S.
DWG. BY: SWS	CHK. BY:	DWG. NO.: 06	DWG. NO.: 06
SHEET 1 OF 3		SHEET 1 OF 3	
PRODUCT: EXTERIOR DOOR PRODUCT DOUBLE 8'0\"/>		PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES	
MASONITE INTERNATIONAL CORP. 7300 REAMES RD. CHARLOTTE, NC 28216		NO. DATE BY REVISIONS	



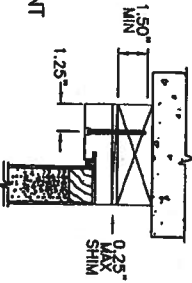
PRODUCT: "EXTERIOR DOOR PRODUCT" 8"0 FIBERGLASS OPAQUE DOUBLE DOOR UNIT		PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS	
MASONITE INTERNATIONAL CORP. 7300 REAMES RD. CHARLOTTE, NC 28216			
DATE: 7/26/06	SCALE: N.T.S.	CHK. BY: SWS	DRWG. NO.: DMG-44-F10132-06
SHEET 2 OF 3			



ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AIAA NDA FOR SOUTHERN PINE LUMBER AND ACHIEVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.

TYPICAL ANCHOR INSTALLATION



HARDWARE SCHEDULE

1.	KWIKSET MAXIMUM SECURITY SERIES GRADE 2 CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 10-1/2" CENTERLINE.
2.	4" X 4" FULL MORTISE BUTT HINGES.

MASONITE INTERNATIONAL CORP.
 7300 REAMES RD.
 CHARLOTTE, NC 28216
 DATE: 7/26/06
 SCALE: N.T.S.
 Dwg. BY: SWS
 CHK. BY:
 Dwg. NO.: DWG-44A-F10152-06
 SHEET 3 OF 3

PRODUCT:

EXTERIOR DOOR PRODUCT
8'0" FIBERGLASS OPAQUE
DOUBLE DOOR UNIT

PART OR ASSEMBLY:

ANCHORING LOCATIONS
& DETAILS

MASONITE INTERNATIONAL CORP.
 7300 REAMES RD.
 CHARLOTTE, NC 28216

REVISIONS

NO. DATE

SPECIFICATIONS

SYSTEM SPECIFIER

MANUFACTURER

ENGLERT, INC.
1200 Amboy Avenue
Perth Amboy, New Jersey 08861
Tel: (732) 826-8614
Fax: (732) 826-8865

SECTION 07410 - MANUFACTURED ROOF AND WALL PANELS SECTION 07610 - SHEET METAL ROOFING

PART I - GENERAL

1.01 WORK INCLUDED

Providing all labor, materials, tools, equipment and services to furnish and install metal roofing, wall panels/siding, including soffit, flashing, trim and such other accessories to make the system complete and weathertight, as indicated on the drawings and specified herein.

1.02 RELATED WORK (to be coordinated with other trades by the successful contractor under this section.) FOR APPLICATIONS OVER PLYWOOD DECKING (edit as required.)

- A. Section 06100: Rough Carpentry
- B. Section 06200: Finish Carpentry
- C. Section 07620: Sheet Metal Flashing and Trim
- D. Section 07700: Roof Specialties and Accessories
- E. Section 07800: Skylights
- F. Section 07900: Joint Sealers

OR

1.02 RELATED WORK (to be coordinated with other trades by the successful contractor under this section.) FOR APPLICATIONS OVER METAL DECKING WITH RIGID INSULATION AND STANDING SEAM ROOF (edit as required.)

- A. Section 05100: Structural Steel
- B. Section 05200: Steel Joists
- C. Section 05300: Metal Decking
- D. Section 05580: Sheet Metal Fabrication
- E. Section 07200: Insulation
- F. Section 07500: Membrane Roofing
- G. Section 07620: Sheet Metal Flashing and Trim
- H. Section 07700: Roof Specialties and Accessories
- I. Section 07800: Skylights
- J. Section 07900: Joint Sealers

ENGLERT

This specification guide is designed to assist in the proper insertion of Englert Roof Systems into any architectural building specifications. This guide is formatted to match the CSI Spec Data System, however is not part of that program.

SERIES 1101

TRISPECS:1101:04/01/01
90311E

1.03 QUALITY ASSURANCE

- A. **Installation:** By a roofing/sheet metal contractor with at least a minimum of five years experience in similar type of construction and documenting successful completion of contracts for projects similar in size, scope and products.
- B. **Before Fabrication:** The contractor shall take field measurements of the structure and substrates indicated and specified to ensure that panel lengths and brakeformed flashings are dimensioned accurately to facilitate easy installation. Fabrication shall not begin until all field conditions have been verified. Allow for sufficient trimming of panel units at eaves, valleys, and gables prior to fabrication.

1.04 REFERENCES

- A. SMACNA (Sheet Metal and Air Conditioning Contractors National Association, Inc.) Architectural Sheet Metal Manual.
- B. NRCA (The National Roofing Contractors Association) Roofing and Waterproofing Manual (including Construction Details), and Handbook of Accepted Roofing Knowledge.
- C. Manufacturer's Construction Details Handbook.
- D. AISC Steel Construction Manual.
- E. AISI Cold Formed Steel Design Manual.

1.05 SUBMITTALS

- A. Submit product literature, shop drawings, and samples in accordance with Section 01340.
- B. Product Literature:
 - 1. Manufacturer's descriptive literature.
 - 2. Manufacturer's standard color chart.
- C. Shop drawings are to be a small scale layout of roof plan and elevation, indicating the extent of work to be performed. Include sections of roof, fascia, walls, siding and soffits, for each condition, detailing flashing and trim for different conditions, such as eaves, outside/inside corners, ridge, valleys, gutters, end wall terminations, closures, etc., showing a full and complete installation. Show securement of panels and clips, spacing, type and number of fasteners, as recommended by the Manufacturer.
- D. Submit 2'0" long sample panel indicating the metal, gauge, color, texture, and finish proposed.
- E. Submit Manufacturer's warranty covering the substrate (metal) against rupture, perforation, and structural failure due to normal atmospheric corrosion for twenty (20) years.
- F. Submit Manufacturer's thirty (30) year warranty on paint finish against cracking, peeling, blistering, chalk, and color change.
- G. Submit test reports complying with finish specifications per section 2.05.1 through 2.05.8.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Unload and store materials at job-site to protect them from any damage.
- B. Inspect delivered material. Prevent interference by other trades or any other adverse job conditions.
- C. Store materials above ground, on skids. Protect material with waterproof covering and allow sufficient ventilation to prevent condensation build-up or moisture entrapment in the materials.

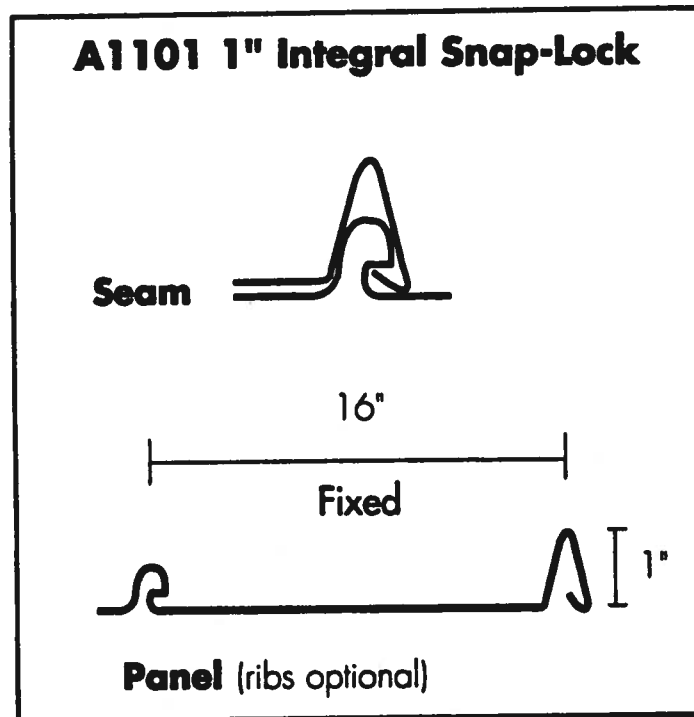
1.07 WARRANTY

- A. Manufacturer shall warrant the metal roof against rupture or perforation or from structurally failing due to normal atmospheric conditions for a period of twenty (20) years. In addition, Manufacturer shall provide a 30-year finish warranty against peeling and blistering, chalk, and fade (color change).
- B. Installer shall provide a written warranty for two (2) years from the date of final completion and acceptance, guaranteeing materials and workmanship for watertightness, weathertightness, and against all leaks. During the initial two (2) year period, the Installer shall assure weathertightness and watertightness of the roof, without any cost to the building owner.

PART II - PRODUCTS**2.01 ACCEPTABLE MANUFACTURER**

ENGLERT, INC.
 1200 Amboy Avenue
 Perth Amboy, New Jersey 08861
 Tel: (732) 826-8614
 Fax: (732) 826-8865

SERIES 1101
1" High Architectural
Snap-Lock Standing Seam



NOTE TO SPECIFIER: Englert Series 1101 Panel System serves the architectural needs of roofing/fascia, mansard, siding and soffit systems.

Series 1101 Panel System may be specified for application over solid deck, 1/2" plywood or 22 gauge metal deck with 2 layers of 15# felt or 1 layer of 30# felt. Minimum Pitch: 3"/12". Specify as required.

2.02

- A. Panel System should be Englert Series 1101, 1" high, 16" wide Architectural Standing Seam Snap-Lock System, (with pencil ribs, optional). The panels shall have baked on finish as specified in Section 2.05 hereunder, in and of Manufacturer's 23 standard colors. Manufacturer shall offer at least a minimum of 23 standard colors to choose from.

B. Substrate:

- 24 Gauge baked on finish over Galvalume ASTM A-792-83, AZ50, 50 KSI yield point, 52 KSI tensile strength
- 26 Gauge baked on finish over Galvalume ASTM A-792-83, AZ50, 50 KSI yield point, 52 KSI tensile strength
- * .032" Aluminum Alloy 3105-H14 approved equal.

NOTE TO SPECIFIER: .032" aluminum is available subject to minimum order requirements.
Call Englert for details.

C. Performance:

1. Panel shall meet the requirements of *Underwriter's Laboratories, Inc. for Class 90 wind uplift resistance.
2. Panel shall display a flame spread classification of a (Class 1) when tested in accordance with ASTM E-84-87.
(*UL-90 Classification Pending.)

IF METAL SOFFIT IS REQUIRED, SPECIFY AS FOLLOWS:

2.03 SOFFIT PANEL SYSTEMS

- A. Soffit Panels: Series 1101 16" wide flat panels, all fasteners shall be concealed, and panels shall give a flush appearance, with pencil ribs, optional. The soffit panels shall have the same finish as the roofing system.

B. Substrate:

- 24 Gauge baked on finish over Galvalume ASTM A-792-83, AZ50, 50 KSI yield point, 52 KSI tensile strength
- 26 Gauge baked on finish over Galvalume per ASTM A-792-83, AZ50, 50 KSI yield point, 52 KSI tensile strength
- * .032" Aluminum Alloy 3105-H14 approved equal.

NOTE TO SPECIFIER: .032" aluminum is available subject to minimum order requirements.
Call Englert for details.

2.04 FABRICATION

- A. Panel Construction: Panels shall be uniformly dimensioned, rollformed to exact lengths to avoid trimming. The panel system shall be anchored as recommended by the Manufacturer. All fasteners shall be concealed. Panels shall be continuous from ridge to eaves with no end laps. There shall be no face penetration of panels, except as approved by the architect for securing panels to facilitate directional expansion/contraction.
- B. Flashing and Trim: All exposed standard or special flashing/trim and such other brakeformed in the same gauge, color, and finish to match roofing panels, furnished with protective strippable film to be removed upon installation.
- C. Accessories such as clips, closures, fasteners, etc., shall be as recommended by the Manufacturer.

2.05 PERMACOLOR 2000 FINISH - (30-Year Warranty)

- A. Englert's PermaColor 2000 standard 30-year color coatings comprises of a .8 to .9 mil full strength 70% Kynar 500 fluorocarbon (Polyvinylidene Fluoride PVF2) coating over a urethane primer of .2 to .3 mil on the finish side, with primer and a wash coat on the reverse, on steel with just a wash coat on aluminum. Face film thickness 1.0 mil $\pm$.2 mil.

2.05.1 FILM THICKNESS

Topside Finish: Primer shall be .2-.3 mil. Kynar 500 top coat shall be .8 - .9 mil. Reverse side finish shall be .2 - .3 mil primer with a wash coat. Total dry film thickness for the coating system shall be 1.00 mil nominal. All measurements per NCCA Technical Bulletin II-4 or ASTM D1005-84.

2.05.2 SPECULAR GLOSS

As determined per ASTM D523-85 at a glossmeter angle of 60 degrees. $35\% \pm 5$ specular reflectance.

2.05.3 HUMIDITY RESISTANCE

No blistering, cracking, peeling, loss of gloss or softening of the finish after 3000 hours aluminum 1000 hours coated steel, of exposure at 100% humidity at 95 degrees F, per Federal Test Method Standard 141, Method 6201 or ASTM D2247-87.

2.05.4 SALT SPRAY RESISTANCE

Samples diagonally scored and subjected to 5% - at 95 degrees F, neutral salt spray per ASTM B117-85, then taped with Scotch #610 cellophane tape: 3000 hours aluminum/1000 hours coated steel, no blistering and no loss of adhesion greater than 1/8 from score line. (Samples taped one hour after removal from test cabinet.)

2.05.5 CHEMICAL RESISTANCE

No effect after 24 hour exposure of a 10% solution of hydrochloric acid, and 18-hour exposure to 20% sulfuric acid, per ASTM D1308-85, including exposure to 10% muriatic acid and nitric acid fumes.

2.05.6 CHALKING RESISTANCE

No chalking greater than #8 rating, per ASTM D659-86 test procedure after a 3000-hour weatherometer test.

2.05.7 COLOR CHANGE

Finish coat color change shall not exceed 5 NBS units per ASTM D-822-86, ASTM G-23-88 and ASTM D2244-85 (South Florida 10-years) test procedure after 3000-hour weatherometer test.

2.05.8 ABRASION RESISTANCE

Shall pass 60 liters/mil., minimum of falling sand per ASTM D968-81. Method A.

2.06.1 PERMAMETALLIC 2000 FINISH - (20 Year Warranty)

- A. Metallic Copper (non-aging) comprises of a .8 to .9 mil metallic fluorocarbon full strength 70% Kynar 500 finish coating over a layer of .3 to .5 mil full strength 70% Kynar 500 base coat. the reverse side is treated with a primer and wash coat. Face film thickness: $1.2 \text{ mil} \pm .2 \text{ mil}$.
- B. Pre-weathered Galvalume coating comprises of a .8 to .9 mil full strength, 70% Kynar 500 fluorocarbon (Polyvinylidene Fluoride PVF2) coating over a urethane primer of .2 to .3 mil on the finish side, with primer and a wash coat on the reverse, on steel; with just a wash coat on aluminum. Face film thickness: $1.0 \text{ mil} \pm .2 \text{ mil}$.

2.07.1 MILL FINISH GALVALUME (Bare)

- A. A coating of aluminum zinc alloy applied by a continuous hot dipping process, offering greater corrosion resistance, high temperature oxidation resistance, and heat reflectivity. Mill finish Galvalume carries a 20-year warranty.

PART III - EXECUTION**3.01 INSPECTION**

- A. Verify substrate is uniform, even and symmetrical by running a string test. Inspect to assure that all purlins or sub-structure/framing members are flat and insulation is embedded symmetrically so when the metal panels are applied, they will not appear wavy or distorted.
- B. Provide a written report of discrepancies or variations in the substrate to the Architect.
- C. Do not begin installation until unsatisfactory conditions are corrected.
- D. Do not proceed with installation until adjoining areas scheduled for stucco treatment have been stuccoed and washed down. Do not wash down acid residues from stucco directly over the metal panels.
- E. Commencement of installation shall signify acceptance of the substrate and adjacent conditions as being proper and acceptable for treatment of roofing.
- F. After beginning installation, submit approximately 500 square feet of product in place for Architect's approval, before proceeding with substantial work.

3.02 INSTALLATION

- A. The metal panel system shall be installed plumb, level, and straight over a layer of 30 lb. felt, (dry) with a minimum 6" for horizontal lap and 12" for end lap.
- B. The (standing; batten) seam shall be equidistant and shall align for corners, hips, valleys, mullions, and columns in accordance with architectural design parameters as shown on the drawings.
- C. Installation shall be made in accordance with Manufacturer's recommended procedures and layout drawings. Manufacturer's of construction Details Handbook, SMACNA Architectural Sheet Metal manual, NRCA Roofing and Waterproofing Manual and Handbook of Roofing Knowledge shall be used as guides and details whenever applicable.
- D. No face penetrations or perforation shall be made in metal panels by fasteners without architect's specific approval. All panels shall be continuous from ridge to eaves with no horizontal end laps.
- E. End lap all flashing and trim at least 3". All gutters must be mitered, soldered and caulked with a lining of Ice and Watershield applied at the laps to make it watertight. All butt joints must be caulked. Soldered areas shall be counter-flashed or painted to match. all valleys shall be treated with a layer of Ice and Watershield spread out at least 24" each side from the center of the valley, on both sides, before applying valley flashing. End lap at least 6" at joints.
- F. Exercise proper care during installation to avoid damage or scratching of the panels. Avoid walking over the metal roof after installation is completed.

3.03 CLEANING AND PROTECTION

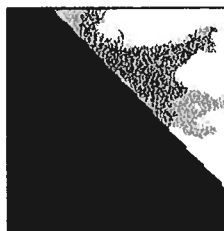
- A. Peel of any strippable film on flashing as they are installed.
- B. Complete all items on punch list.
- C. Touch up all minor scratches and spots.
- D. Remove all debris resulting from work under this Section.



ELK



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size	134" x 39 1/2"	50-year limited warranty period:
Exposure	5 1/2"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	11	

Raised Profile

Product size	134" x 38 1/2"	30-year limited warranty period:
Exposure	5 1/2"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

Prestique I *High Definition*

Product size	134" x 39 1/2"	40-year limited warranty period:
Exposure	5 1/2"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	14	

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™	Vented RidgeCrest™ w/FLX™
Size: 12" x 12"	Size: 13" x 13"
Exposure: 6 1/2"	Exposure: 9 1/2"
Pieces/Bundle: 45	Pieces/Box: 26
Coverage: 4 Bundles = 100 linear feet	Coverage: 5 boxes = 100 linear feet

Prestique *High Definition*

Product size	134" x 38 1/2"	30-year limited warranty period:
Exposure	5 1/2"	5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

Elk Starter Strip

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

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

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

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

All Prestique and Raised Profile shingles meet UL Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 188 and the requirements of ASTM D 3062.

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

*See actual limited warranty for conditions and limitations.

Effective January 1, 2004, the seven year non-prorated Underlayment Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for each product. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all eaves and over edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the eaves and over edges of the roof in and north of the states of WA, WY, MT, ND, KS, CO, UT, NV, & OR. *For a Limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grand, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

SPECIFICATIONS

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

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

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

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

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

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

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

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

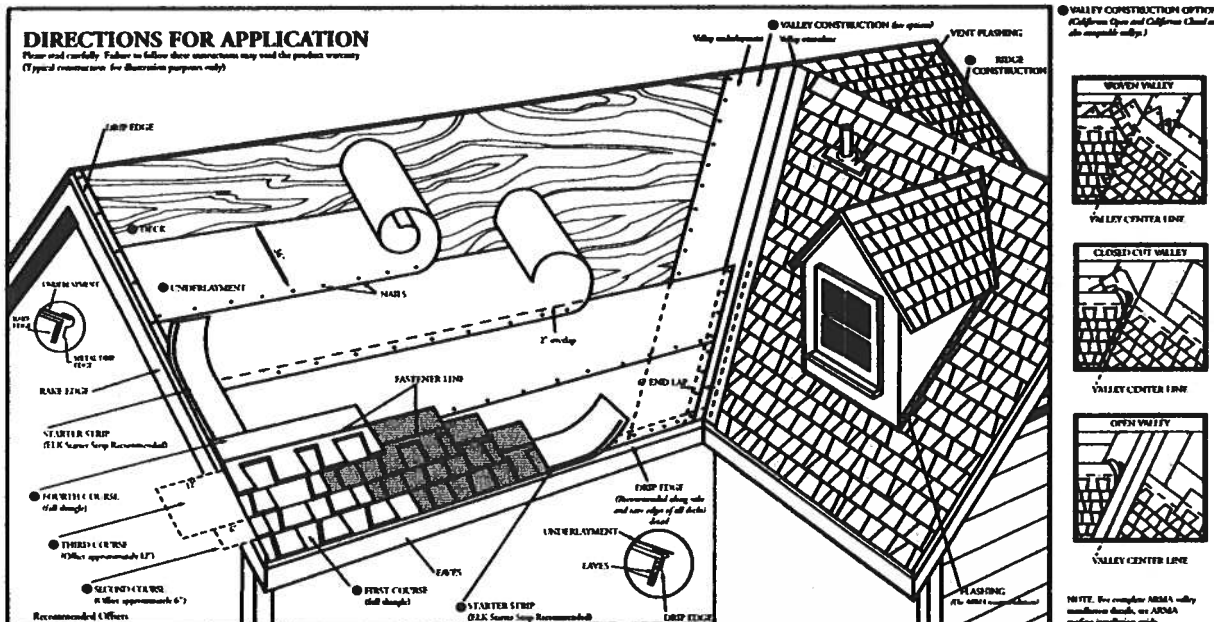
PLANT LOCATION:
800.945.5545

ELK
The Premium Choice®
www.elkcorp.com

SS00T 06/04

DIRECTIONS FOR APPLICATION

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



DIRECTIONS FOR APPLICATION

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

DECK PREPARATION

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

UNDERLAYMENT

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

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 15". Begin by fastening a 15" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

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

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

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

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

STARTER SHINGLE COURSE

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

FIRST COURSE

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

SECOND COURSE

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

THIRD COURSE

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

FOURTH COURSE

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

FIFTH AND SUCCEEDING COURSES

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

VALLEY CONSTRUCTION

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

RIDGE CONSTRUCTION

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

FASTENERS

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

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

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

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

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

MANSARD APPLICATIONS

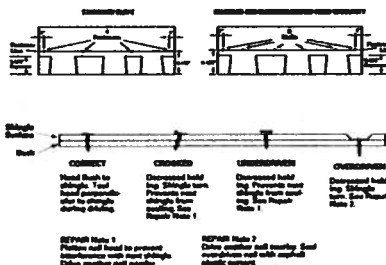
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the faster area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only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

LIMITED WIND WARRANTY

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

HELP STOP BLOW-OFFS AND CALL-BACKS

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



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.

All Prestige and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

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



Travis Design Associates, P.C.

1240 Dodson Ridge Road
Walnut Cove, NC 27052
(336) 591-4014

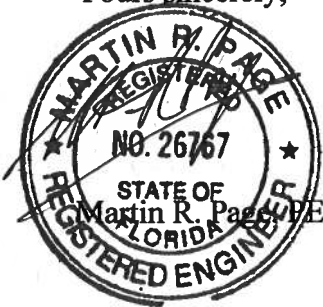
November 8, 2006

Re: Caldwell Home—Deltec # 05313

To Whom It May Concern:

The details written on the drawings for the Caldwell house were added by me, the engineer, in order to enhance the details.

Yours sincerely,



WEBS 2x4 SP #2 :W6 2x8 SP SS:

IN LIEU OF RIGID SHEATHING USE PURLINS TO BRACE BC @ 24.00" OC

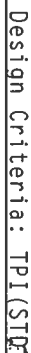
(LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND THE TRUSS MANUFACTURER TO REVIEW THIS DRAWING PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA INCLUDING DIMENSIONS AND LOADS CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND THE TRUSS FABRICATORS LAYOUT.

(A) 1x4 "T" brace. 80% length of web member. Same species & grade or better. Attach with 8d Box or Gun (0.113"x2.5",min.) nails @ 6" OC.

```
** PROVIDE CONNECTION BETWEEN TRUSS AND TENSION/COMPRESSION  
RINGS TO RESIST 4000# TENSION AND 4000# COMPRESSION  
HORIZONTAL REACTIONS.
```

SHIM ALL SUPPORTS TO SOLID BEARING.



FL/-/3/-/1-/R/-

Scale = .25" / Ft.

**** IMPORTANT **** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

TALE OF

Alpine Engineered Products, Inc.
1050 Madison Drive

FL Certificate of Authorization # 567

()
 ()
 ()
 ()
 -
 ()
 ()

TC LL	30.0 PSF	REF	R591-- 2235
TC DL	10.0 PSF	DATE	09/30/04
BC DL	10.0 PSF	DRW	HCUSR591 04274003
BC LL	0.0 PSF	HC-ENG	DLJ/AF
TOT.LD.	50.0 PSF	SEQN	- 28611
DUR.FAC.	1.15	FROM	ETC
SPACING	24.0"	JREF	- 1S6S591_Z01

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND THE TRUSS MANUFACTURER TO REVIEW THIS DRAWING PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA INCLUDING DIMENSIONS AND LOADS CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND THE TRUSS FABRICATORS LAYOUT.

TC	From	82 PLF at	-0.00 to	43 PLF at	8.83
BC	From	96 PLF at	-3.47 to	82 PLF at	0.00
BC	From	21 PLF at	0.00 to	11 PLF at	8.83

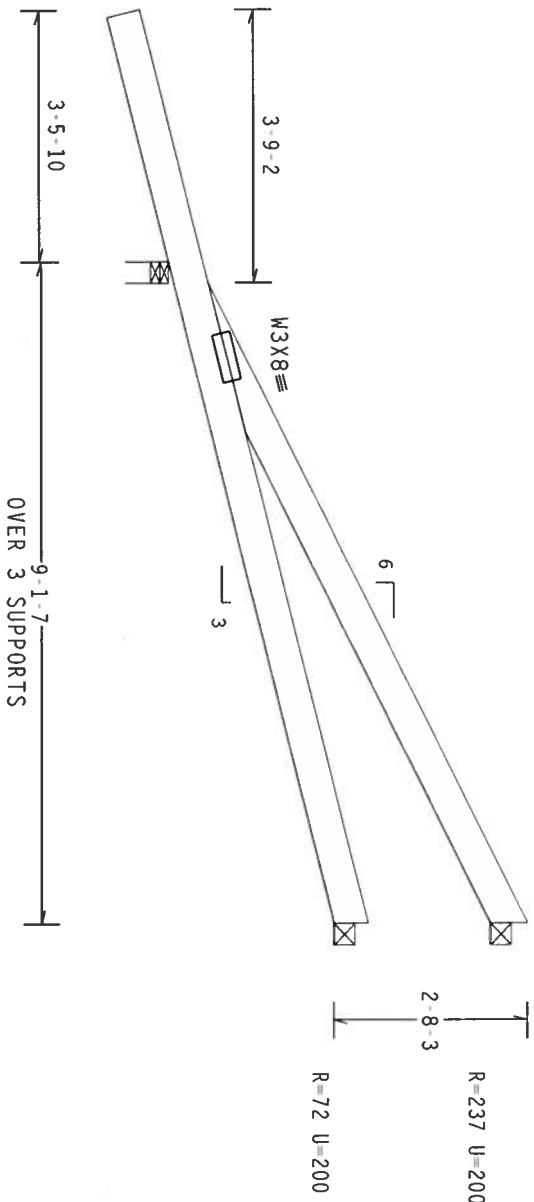
SHIM ALL SUPPORTS TO SOLID BEARING.

IN LIEU OF RIGID SHEATHING USE PURLINS TO BRACE BC @ 24.00" OC

DEFLECTION MEETS L/360.00 LIVE AND L/240.00 TOTAL LOAD.

PROVIDE (3) 16d TOE-NAILS AT TOP CHORD.

PROVIDE (3) 16d TOE-NAILS AT BOTTOM CHORD.



R=869 U=580 W=3.5"

PLT TYP. Wave TPI-95

Design Criteria: TPI (STD)

FL/13/1/R/

Scale = .375" / ft.

WARNING--PROCESSES REQUIRE EXPERT CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC51.1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRESS PLATE INSTITUTE, 5801 O'DONOFIO DR., SUITE 200, MADISON, WI 53719) AND WOOD (WOOD TRESS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TPI. CONNECTOR PLATES ARE MADE OF 2010-T6 ALUMINUM (BY ASEP) ASTM A663 GRADE 6061/60. (BY ASEP) ALUMINUM

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 3384

FL Certificate of Authorization # 567

FL/-/3/-/-/R/-		Scale = .375"/Ft.
TC LL	30.0 PSF	REF R591 - 2235
TC DL	10.0 PSF	DATE 09/30/04
BC DL	10.0 PSF	DRW HCURS591 04274001
BC LL	0.0 PSF	HC-ENG DLJ/AF
TOT.LD.	50.0 PSF	SEON - 1618
DUR.FAC.	1.15	FROM WHD
SPACING	24.0"	JREF - 1SGS591_Z01

TOP CHORD 2x6 SP #1
BOT CHORD 2x6 SP #1
WEBS 2x4 SP #2 : W5 2x8 SP SS:

DEFLECTION MEETS L/360.00 LIVE AND L/240.00 TOTAL LOAD.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)
TC - From 85 PLF at 0.00 to 85 PLF at 9.12
TC - From 85 PLF at 9.12 to 20 PLF at 19.13
BC - From 85 PLF at 3.47 to 85 PLF at 0.00
BC - From 21 PLF at 0.00 to 21 PLF at 9.12
BC - From 21 PLF at 9.12 to 10 PLF at 19.13

* PROVIDE CONNECTION BETWEEN TRUSS AND TENSION/COMPRESSION RING TO RESIST 3200# TENSION AND 3200# COMPRESSION HORIZONTAL REACTIONS.

** PROVIDE CONNECTION BETWEEN TRUSS AND TENSION/COMPRESSION RINGS TO RESIST 3200# TENSION AND 3200# COMPRESSION HORIZONTAL REACTIONS.

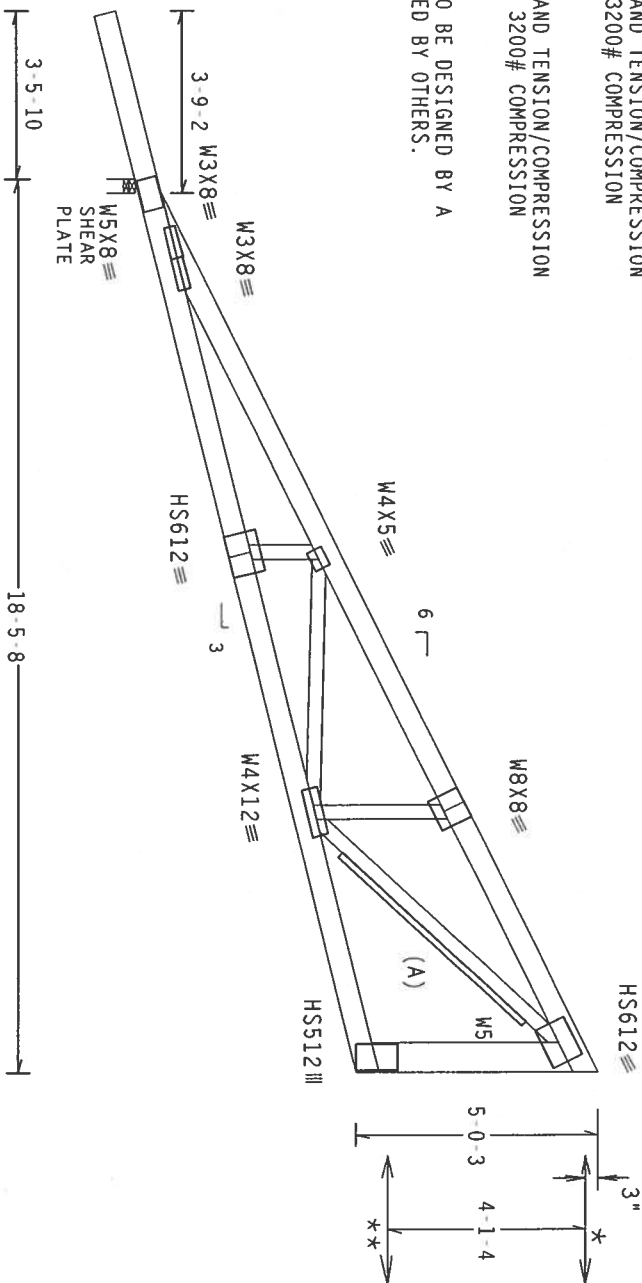
NOTE: TENSION/COMPRESSION RINGS ARE TO BE DESIGNED BY A REGISTERED ENGINEER AND FURNISHED BY OTHERS.

SHIM ALL SUPPORTS TO SOLID BEARING.

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.
150 MPH WIND, 15.00 FT MEAN HGT, ASCE 7-98,
CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C,
WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

IN LIEU OF RIGID SHEATHING USE PURLINS TO BRACE BC @ 24.00" OC
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND THE TRUSS MANUFACTURER TO REVIEW THIS DRAWING PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA INCLUDING DIMENSIONS AND LOADS CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND THE TRUSS FABRICATORS LAYOUT.

(A) 1x4 "T" brace, 80% length of web member. Same species & grade or better. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.



$R=1946 \text{ U-1300 W-3.5"}$

PLT TYP. High Strength Wave TPI-95

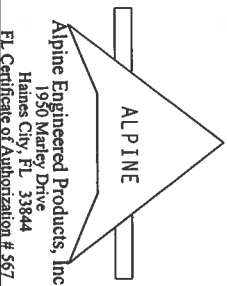
Design Criteria: TPI (STD)

FL/-/3/-/-/R/-

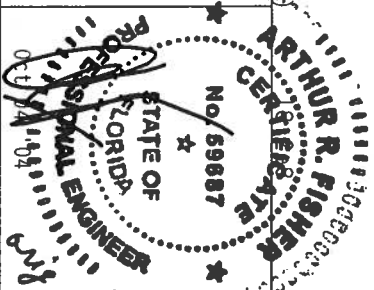
Scale = .25" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.001 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 E. DONGRILL DR., SUITE 200, MADISON, WI 53719, AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. AN INSPECTION OF PLATES AND CONNECTIONS SHALL BE MADE BY THE TRUSS MANUFACTURER. THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	30.0 PSF	REF	R591 - 2235
TC DL	10.0 PSF	DATE	09/30/04
BC DL	10.0 PSF	DRW	HCUSR591 04274002
BC LL	0.0 PSF	HC-ENG	DLJ/AF
TOT.LD.	50.0 PSF	SEQN	- 28591
DUR.FAC.	1.15	FROM	ETC
SPACING	24.0"	JREF	- 1SGS591_201



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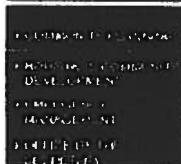
Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)



FL #	FL4732												
Application Type	New												
Code Version	2004												
Application Status	Approved												
Comments													
Archived	☐												
Product Manufacturer	Marvin Windows and Doors												
Address/Phone/Email	Hwy 11 West Warroad, MN 56763 (218) 386-1430 jimkrahm@marvin.com												
Authorized Signature	James Krahn jimkrahm@marvin.com												
Technical Representative	Jerome Hapka												
Address/Phone/Email	P.O. Box 100 Warroad, MN 56763 (218) 386-4021 jhapka@marvin.com												
Quality Assurance Representative													
Address/Phone/Email													
Category	Windows												
Subcategory	Awning												
Compliance Method	Certification Mark or Listing												
Certification Agency	Window and Door Manufacturers Association												
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>101/I.S.2/NAFS</td> <td>2002</td> </tr> <tr> <td>ANSI/AAMA/NWDM 101/I.S.2</td> <td>1997</td> </tr> <tr> <td>ASTM E 1300</td> <td>2002</td> </tr> <tr> <td>ASTM E1886</td> <td>2002</td> </tr> <tr> <td>ASTM E1996</td> <td>2002</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	101/I.S.2/NAFS	2002	ANSI/AAMA/NWDM 101/I.S.2	1997	ASTM E 1300	2002	ASTM E1886	2002	ASTM E1996	2002
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Equivalence of Product Standards													
Certified By													
Product Approval Method	Method 1 Option A												
Date Submitted	08/03/2005												
Date Validated	08/09/2005												

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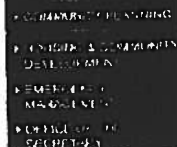


Product Approval
USER: Public User

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Application Type	New												
Code Version	2004												
Application Status	Approved												
Comments													
Archived	☐												
Product Manufacturer	Marvin Windows and Doors												
Address/Phone/Email	Hwy 11 West Warroad, MN 56763 (218) 386-1430 jimkrahm@marvin.com												
Authorized Signature	James Krahn jimkrahm@marvin.com												
Technical Representative	Jerome Hapka												
Address/Phone/Email	P.O. Box 100 Warroad, MN 56763 (218) 386-4021 Jhapka@marvin.com												
Quality Assurance Representative													
Address/Phone/Email													
Category	Windows												
Subcategory	Double Hung												
Compliance Method	Certification Mark or Listing												
Certification Agency	Window and Door Manufacturers Association												
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<u>Standard</u>	<u>Year</u>												
101/I.S. 2/NAFS	2002												
ANSI/AAMA/NWDMA 101/I.S. 2	1997												
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ASTM E 1996	2002												
Equivalence of Product Standards Certified By													
Product Approval Method	Method 1 Option A												
Date Submitted	08/03/2005												
Date Validated	08/11/2005												

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FL #	FL4972								
Application Type	New								
Code Version	2004								
Application Status	Approved								
Comments									
Archived	☐								
Product Manufacturer	Marvin Windows and Doors								
Address/Phone/Email	Hwy 11 West Warroad, MN 56763 (218) 386-1430 jimkrahn@marvin.com								
Authorized Signature	James Krahn jimkrahn@marvin.com								
Technical Representative	Jerome Hapka								
Address/Phone/Email	P.O. Box 100 Warroad, MN 56763 (218) 386-4021 jhapka@marvin.com								
Quality Assurance Representative									
Address/Phone/Email									
Category	Windows								
Subcategory	Horizontal Slider								
Compliance Method	Certification Mark or Listing								
Certification Agency	Window and Door Manufacturers Association								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>101/I.S. 2/NAFS</td> <td>2002</td> </tr> <tr> <td>ANSI/AAMA/NWDA 101/I.S. 2</td> <td>1997</td> </tr> <tr> <td>ASTM E 1300</td> <td>2002</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	101/I.S. 2/NAFS	2002	ANSI/AAMA/NWDA 101/I.S. 2	1997	ASTM E 1300	2002
<u>Standard</u>	<u>Year</u>								
101/I.S. 2/NAFS	2002								
ANSI/AAMA/NWDA 101/I.S. 2	1997								
ASTM E 1300	2002								
Equivalence of Product Standards Certified By									
Product Approval Method	Method 1 Option A								
Date Submitted	08/03/2005								
Date Validated	08/09/2005								
Date Pending FBC Approval	08/10/2005								
Date Approved	08/24/2005								

FLORIDA DEPARTMENT OF Community Affairs



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Phone: (954) 351-2000
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USER: Public User

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FL #	FL4781												
Application Type	New												
Code Version	2004												
Application Status	Approved												
Comments													
Archived	☐												
Product Manufacturer	Marvin Windows and Doors												
Address/Phone/Email	Hwy 11 West Warroad, MN 56763 (218) 386-1430 jimkrahn@marvin.com												
Authorized Signature	James Krahn jimkrahn@marvin.com												
Technical Representative	Jerome Hapka												
Address/Phone/Email	P.O. Box 100 Warroad, MN 56763 (218) 386-4021 jhapka@marvin.com												
Quality Assurance Representative													
Address/Phone/Email													
Category	Windows												
Subcategory	Fixed												
Compliance Method	Certification Mark or Listing												
Certification Agency	Window and Door Manufacturers Association												
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>101/I.S. 2/NAFS</td> <td>2002</td> </tr> <tr> <td>ANSI/AAMA/NWDA 101/I.S. 2</td> <td>1997</td> </tr> <tr> <td>ASTM E 1300</td> <td>2002</td> </tr> <tr> <td>ASTM E 1886</td> <td>2002</td> </tr> <tr> <td>ASTM E 1996</td> <td>2002</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	101/I.S. 2/NAFS	2002	ANSI/AAMA/NWDA 101/I.S. 2	1997	ASTM E 1300	2002	ASTM E 1886	2002	ASTM E 1996	2002
<u>Standard</u>	<u>Year</u>												
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ANSI/AAMA/NWDA 101/I.S. 2	1997												
ASTM E 1300	2002												
ASTM E 1886	2002												
ASTM E 1996	2002												
Equivalence of Product Standards Certified By													
Product Approval Method	Method 1 Option A												
Date Submitted	08/03/2005												
Date Validated	08/09/2005												

Product Evaluation Report

per Rule 68-72, Florida Building Commission

Manufacturer:
Marvin Windows & Doors
They 11 Weil, PO Box 100
Warroad, MN 56583-0100

Statement of Compliance:
The product described below meets section 1714.5.4 (Exterior Window and Door Assemblies: Anchorage Methods) of the 2004 Florida Building Code.

Product Description:
Use of Drawing 00038113 with FL4732.1, 4732.2, 4732.3, 4732.4
Use of Drawing 00038115 with FL4732.6, 4732.7, 4732.8
Use of Drawing 00038116 with FL4732.5

Modifications from tested installations:

Drawing 00038113: Increased size of nailing path to 2" for nailing fan installation. Set all screws for attaching nailing clip to the back to 1/8" sheet rock screws or #8 x 1 1/2" sheet metal screws. Added joint screw and nailing clip installation methods to products tested with BMF nailing only. In some cases fastener spacings have been reduced to standardize.

Drawing 00038115: Set all screws for attaching nailing clip to the back to 1/8" sheet rock screws or #8 x 1 1/2" sheet metal screws. Added joint screw and nailing clip installation methods to products tested with BMF nailing only. In some cases fastener spacings have been reduced to standardize.

Drawing 00038116: Added Structural Bracket Installation method to products tested with fast only.

Test Method Description:

See John Soprawinski analysis & 4 pages dated 3/8/04 and 3 pages dated 6/16/05.

- Confidentiality scope:
- (1) Review of the report and installation drawings from third-party testing.
 - (2) Another person must be demonstrated by accepted engineering practice.
 - (3) Designed to transfer design loads to rough opening.

Installation Requirements:

Products must be installed per the drawing specified in the limitations and conditions of use.

Limitations and Conditions of Use:

The use of the above drawings is limited to the following products, sizes and design pressures.

Product Description	Installation Drawing Number	Frame Size Width x Height	Design Pressure
FL4732.1 - CAVN 3618	00038113	36,000 x 47.125	+40/-40
FL4732.2 - CAVN 4848	00038113	48,000 x 47.125	+40/-40
FL4732.3 - CAVN SPW22 4048	00038113	40,000 x 47.125	+40/-40
FL4732.4 - CAVN SPW21 4048	00038113	40,000 x 47.125	+55/-65
FL4732.5 - CAVN 4047	00038116	48,000 x 47.125	+50/-50
FL4732.6 - CAVN 4848	00038115	48,000 x 48.000	+40/-40
FL4732.7 - CAVN SPW22 4048	00038115	40,000 x 48.000	+40/-40
FL4732.8 - CAVN SPW21 4048	00038115	48,000 x 48.000	+55/-65

Evaluation Report FL 4732

Page 1 of 2

Product Evaluation Report Expiration Date: September 2007

Certification of Independence:

I, Stephen D. Fisher, the Professional Engineer performing this evaluation, have not now nor will I acquire a direct financial interest in manufacturing, distribution, or sale of this product(s) for which this report is issued. I am an employee of Marvin Window and Door, the parent company of Marvin Windows & Doors. I do not now, nor will I acquire, a financial interest in any other entity involved in the approval process of this product(s).

Signature: Stephen D. Fisher

Date: 30 September 2005

Advanced Research Team Lead
Marvin Windows & Doors
P.O. Box 100, They 11 Weil
Warroad, MN 56583-0100

Signature: S.D. Fisher

Date: 30 September 2005

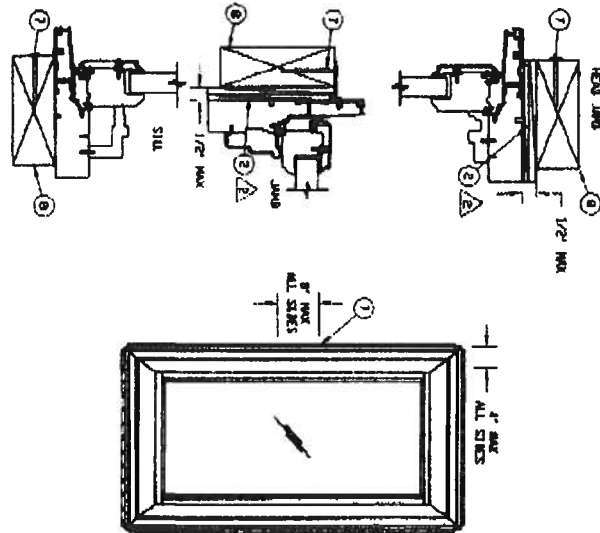
Marvin Windows and Doors
P.O. Box 100, They 11 Weil
Warroad, MN 56583-0100

Evaluation Report FL 4732

Page 2 of 2

PRINTED: 6/23/2005 2:12:35 PM BY: SOKKOWIAK, JOHN

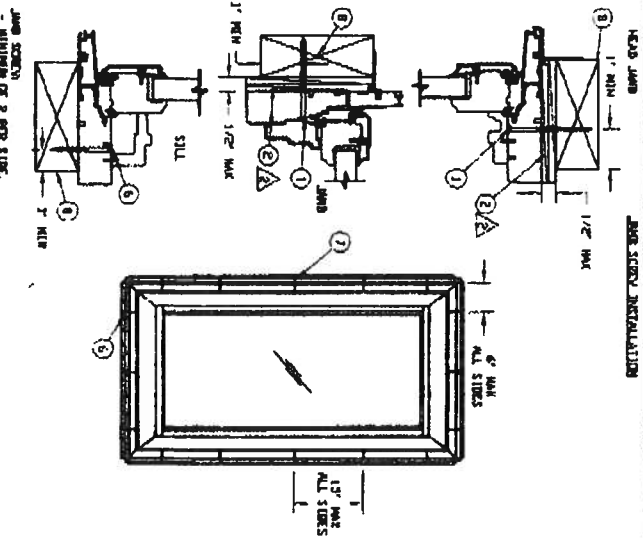
WALLING CLIP INSTALLATION METHOD



WALLING CLIP ONLY INSTALLATION
- METHOD OF 2 PINS SIDE.
- WALLING CLIP ONLY INSTALLATION METHOD IS APPROVED FOR THE FOLLOWING PRODUCTS:
FL 4122.1 - CASH 4040
FL 4122.2 - CASH 4040

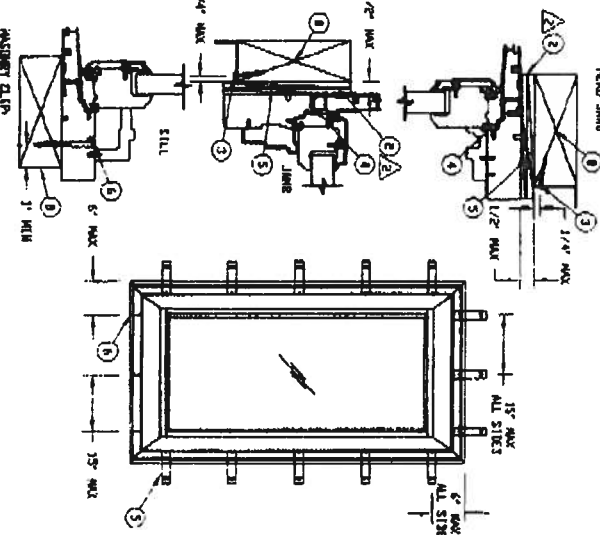
- NOTES:
1. THIS IS FOR STRUCTURAL PERFORMANCE ONLY FOR STANDING & WINDING.
2. THE WALLING CLIP MUST BE PLACED BETWEEN FINISH AND NO AT EACH LOCK POINT.
3. THE WALLING CLIP MUST BE PLACED BETWEEN FINISH AND NO AT EACH LOCK POINT.
4. THE WALLING CLIP MUST BE PLACED BETWEEN FINISH AND NO AT EACH LOCK POINT.
5. THE WALLING CLIP MUST BE PLACED BETWEEN FINISH AND NO AT EACH LOCK POINT.
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7. THE WALLING CLIP MUST BE PLACED BETWEEN FINISH AND NO AT EACH LOCK POINT.
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9. THE WALLING CLIP MUST BE PLACED BETWEEN FINISH AND NO AT EACH LOCK POINT.
10. THE WALLING CLIP MUST BE PLACED BETWEEN FINISH AND NO AT EACH LOCK POINT.

WALL SCREW INSTALLATION



WALL SCREW ONLY INSTALLATION
- METHOD OF 2 PINS SIDE.
- WALLING CLIP ONLY INSTALLATION METHOD IS APPROVED FOR THE FOLLOWING PRODUCTS:
FL 4122.1 - CASH 4040
FL 4122.2 - CASH 4040
FL 4122.3 - CASH 4040
FL 4122.4 - CASH 4040

WALLING CLIP INSTALLATION



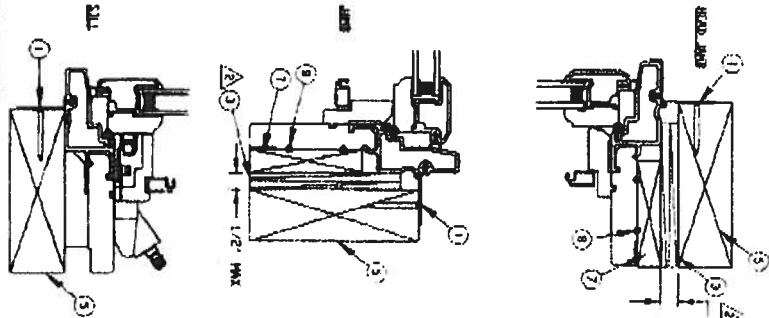
WALLING CLIP ONLY INSTALLATION
- METHOD OF 2 PINS SIDE.
- WALLING CLIP ONLY INSTALLATION METHOD IS APPROVED FOR THE FOLLOWING PRODUCTS:
FL 4122.1 - CASH 4040
FL 4122.2 - CASH 4040
FL 4122.3 - CASH 4040
FL 4122.4 - CASH 4040

Signature: *[Signature]*
Date: 05/11/05
Mason Windows and Doors
P.O. Box 100, May 11, 1986
WILSON, MN 56703-0100

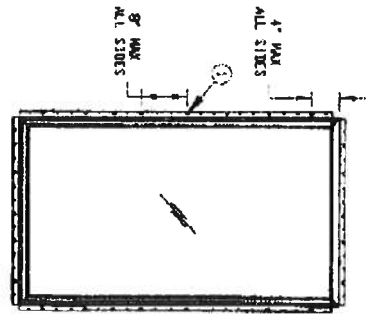
NO.	REV.	DESCRIPTION	DATE	BY
1		WALLING CLIP ONLY INSTALLATION	05/11/05	J.S.
2		WALLING CLIP ONLY INSTALLATION	05/11/05	J.S.
3		WALLING CLIP ONLY INSTALLATION	05/11/05	J.S.
4		WALLING CLIP ONLY INSTALLATION	05/11/05	J.S.
5		WALLING CLIP ONLY INSTALLATION	05/11/05	J.S.
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9		WALLING CLIP ONLY INSTALLATION	05/11/05	J.S.
10		WALLING CLIP ONLY INSTALLATION	05/11/05	J.S.

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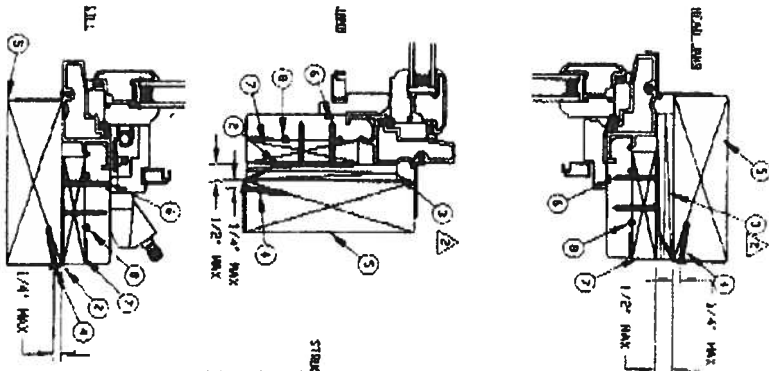
BY: SOPKOWIAK, JOHN



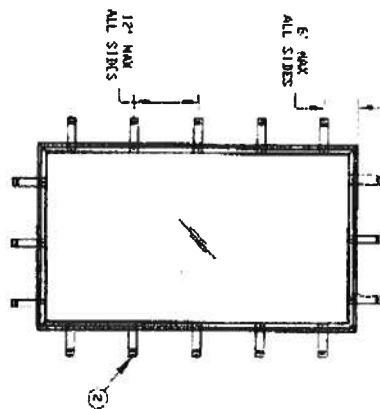
WALLING FIN INSTALLATION



WALLING FIN INSTALLATION
 -APPLY 5/8\"/>



STRUCTURAL BRACKET INSTALLATION



STRUCTURAL BRACKET INSTALLATION
 -APPLY 5/8\"/>

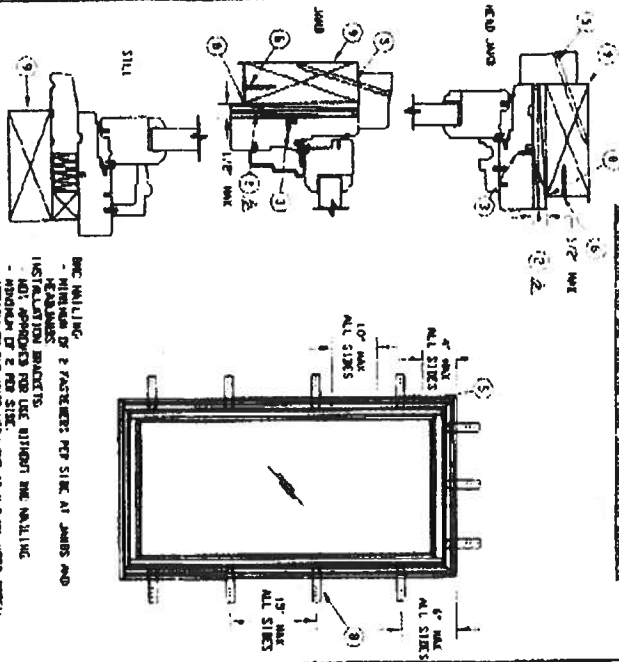
- NOTES:
1. THIS PLAN IS FOR STRUCTURAL PERFORMANCE ONLY. FOR FINISHING & SEALING INSTRUCTIONS, REFER TO THE INSTALLATION INSTRUCTIONS.
 2. FINISH SHALL BE PLACED BETWEEN FRAME AND NO AT LEAST LOCK POINT AND AT EACH SHUTTER POINT.
 3. PLACE A SHUTTER WITHIN 4-6 INCHES OF EACH CORNER AND SPACE ALL FINISHES EVERY 16 INCHES OR 15\"/>

Signature: *S. S. K.*
 Stephen D. Fidler, P.E.
 Florida Registration No. 47489
 Date: 10/25/05
 Marvin Windows and Doors
 P.O. Box 100, Hwy 11 West
 Winona, MN 55901-0100

1	3 1/2\"/>STRIP L&A ANGLE	10	
2	STRIP	10	
3	STRIP L&A BRACKET	10	
4	2\"/>STRIP L&A BRACKET	10	
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99	2\"/>STRIP L&A BRACKET	10	
100	2\"/>STRIP L&A BRACKET	10	

DATE	REV	NO	DESCRIPTION	DATE
1	1	5/8"		

HEAD JAMB AND BACK JAMB INSTALLATION BRACKETS



FOR WALLING: 2 PLYWOOD FOR SIDE AT JAMBS AND HEAD JAMB

INSTALLATION BRACKETS

NOT APPROVED FOR USE WITHOUT THE WALLING

ATTACH TO THE JAMB WITH ONE 1/2 X 3/8" WOOD SCREW

ATTACH TO THE BACK WITH ONE 1/2 X 3/8" WOOD SCREW

FOR THE FOLLOWING PRODUCTS:

- TL 4722 6 - WOOD 4048
- TL 4722 7 - WOOD 4048
- TL 4722 8 - WOOD 4048

FOR WALLING: 2 PLYWOOD FOR SIDE AT JAMBS AND HEAD JAMB

INSTALLATION BRACKETS

NOT APPROVED FOR USE WITHOUT THE WALLING

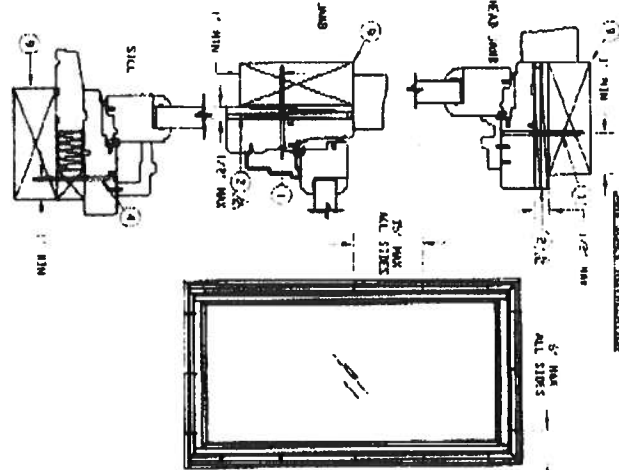
ATTACH TO THE JAMB WITH ONE 1/2 X 3/8" WOOD SCREW

ATTACH TO THE BACK WITH ONE 1/2 X 3/8" WOOD SCREW

FOR THE FOLLOWING PRODUCTS:

- TL 4722 6 - WOOD 4048
- TL 4722 7 - WOOD 4048
- TL 4722 8 - WOOD 4048

JAMB SCREWS INSTALLATION



FOR WALLING: 2 PLYWOOD FOR SIDE AT JAMBS AND HEAD JAMB

INSTALLATION BRACKETS

NOT APPROVED FOR USE WITHOUT THE WALLING

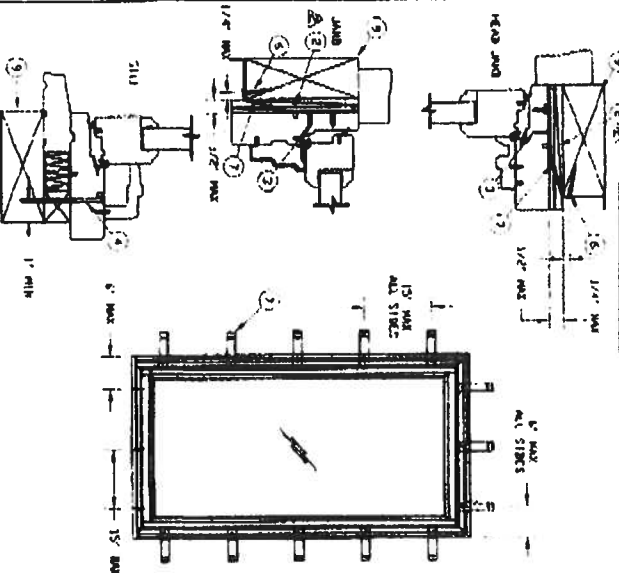
ATTACH TO THE JAMB WITH ONE 1/2 X 3/8" WOOD SCREW

ATTACH TO THE BACK WITH ONE 1/2 X 3/8" WOOD SCREW

FOR THE FOLLOWING PRODUCTS:

- TL 4722 6 - WOOD 4048
- TL 4722 7 - WOOD 4048
- TL 4722 8 - WOOD 4048

INSIDE CLIP INSTALLATION



FOR WALLING: 2 PLYWOOD FOR SIDE AT JAMBS AND HEAD JAMB

INSTALLATION BRACKETS

NOT APPROVED FOR USE WITHOUT THE WALLING

ATTACH TO THE JAMB WITH ONE 1/2 X 3/8" WOOD SCREW

ATTACH TO THE BACK WITH ONE 1/2 X 3/8" WOOD SCREW

FOR THE FOLLOWING PRODUCTS:

- TL 4722 6 - WOOD 4048
- TL 4722 7 - WOOD 4048
- TL 4722 8 - WOOD 4048

1. The front 5' x 10' section, regardless of the size, is to be installed in the front of the door.

2. The door must be closed before the front 5' x 10' section is installed.

3. The door must be closed before the front 5' x 10' section is installed.

4. The door must be closed before the front 5' x 10' section is installed.

5. The door must be closed before the front 5' x 10' section is installed.

6. The door must be closed before the front 5' x 10' section is installed.

7. The door must be closed before the front 5' x 10' section is installed.

8. The door must be closed before the front 5' x 10' section is installed.

9. The door must be closed before the front 5' x 10' section is installed.

10. The door must be closed before the front 5' x 10' section is installed.

Section 3: Jamb PE

Section 4: Jamb PE

Section 5: Jamb PE

Section 6: Jamb PE

Section 7: Jamb PE

Section 8: Jamb PE

Section 9: Jamb PE

Section 10: Jamb PE

Section 11: Jamb PE

Section 12: Jamb PE

Section 13: Jamb PE

Section 14: Jamb PE

Section 15: Jamb PE

Section 16: Jamb PE

Section 17: Jamb PE

Section 18: Jamb PE

Section 19: Jamb PE

Section 20: Jamb PE

Section 21: Jamb PE

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Section 46: Jamb PE

Section 47: Jamb PE

Section 48: Jamb PE

Section 49: Jamb PE

Section 50: Jamb PE

Section 51: Jamb PE

Section 52: Jamb PE

Section 53: Jamb PE

Section 54: Jamb PE

Section 55: Jamb PE

Section 56: Jamb PE

Section 57: Jamb PE

Section 58: Jamb PE

Section 59: Jamb PE

Section 60: Jamb PE

Section 61: Jamb PE

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Section 63: Jamb PE

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Section 66: Jamb PE

Section 67: Jamb PE

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Section 89: Jamb PE

Section 90: Jamb PE

Section 91: Jamb PE

Section 92: Jamb PE

Section 93: Jamb PE

Section 94: Jamb PE

Section 95: Jamb PE

Section 96: Jamb PE

Section 97: Jamb PE

Section 98: Jamb PE

Section 99: Jamb PE

Section 100: Jamb PE

NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	HEAD JAMB	1	EA	10.00	10.00
2	BACK JAMB	1	EA	10.00	10.00
3	INSIDE CLIP	1	EA	10.00	10.00
4	HEAD JAMB	1	EA	10.00	10.00
5	BACK JAMB	1	EA	10.00	10.00
6	INSIDE CLIP	1	EA	10.00	10.00
7	HEAD JAMB	1	EA	10.00	10.00
8	BACK JAMB	1	EA	10.00	10.00
9	INSIDE CLIP	1	EA	10.00	10.00
10	HEAD JAMB	1	EA	10.00	10.00
11	BACK JAMB	1	EA	10.00	10.00
12	INSIDE CLIP	1	EA	10.00	10.00
13	HEAD JAMB	1	EA	10.00	10.00
14	BACK JAMB	1	EA	10.00	10.00
15	INSIDE CLIP	1	EA	10.00	10.00
16	HEAD JAMB	1	EA	10.00	10.00
17	BACK JAMB	1	EA	10.00	10.00
18	INSIDE CLIP	1	EA	10.00	10.00
19	HEAD JAMB	1	EA	10.00	10.00
20	BACK JAMB	1	EA	10.00	10.00
21	INSIDE CLIP	1	EA	10.00	10.00
22	HEAD JAMB	1	EA	10.00	10.00
23	BACK JAMB	1	EA	10.00	10.00
24	INSIDE CLIP	1	EA	10.00	10.00
25	HEAD JAMB	1	EA	10.00	10.00
26	BACK JAMB	1	EA	10.00	10.00
27	INSIDE CLIP	1	EA	10.00	10.00
28	HEAD JAMB	1	EA	10.00	10.00
29	BACK JAMB	1	EA	10.00	10.00
30	INSIDE CLIP	1	EA	10.00	10.00
31	HEAD JAMB	1	EA	10.00	10.00
32	BACK JAMB	1	EA	10.00	10.00
33	INSIDE CLIP	1	EA	10.00	10.00
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35	BACK JAMB	1	EA	10.00	10.00
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41	BACK JAMB	1	EA	10.00	10.00
42	INSIDE CLIP	1	EA	10.00	10.00
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51	INSIDE CLIP	1	EA	10.00	10.00
52	HEAD JAMB	1	EA	10.00	10.00
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64	HEAD JAMB	1	EA	10.00	10.00
65	BACK JAMB	1	EA	10.00	10.00
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95	BACK JAMB	1	EA	10.00	10.00
96	INSIDE CLIP	1	EA	10.00	10.00
97	HEAD JAMB	1	EA	10.00	10.00
98	BACK JAMB	1	EA	10.00	10.00
99	INSIDE CLIP	1	EA	10.00	10.00
100	HEAD JAMB	1	EA	10.00	10.00

Product Evaluation Report

per Rule 9B-72, Florida Building Commission

Manufacturer:

Marvin Windows & Doors
Hwy 11 West, PO Box 100
Watroad, MN 56763-0100

Statement of Compliance:

The product described below meets section 1714.5.4 (Exterior Window and Door Assemblies: Anchorage Methods) of the 2004 Florida Building Code.

Product Description:

Use of drawing 00041440 with FL6525.1 and FL6525.2

Modifications from tested installations:

Maximum distance from corner for fastener placement was decreased from 6" to 4".

Technical Documentation:

See John Sopkowiak analysis's 1 page analysis dated 3/17/06.

- Conformance steps:
- (1) Review of lab report and installation drawings from third-party testing.
 - (2) Anchor performance as demonstrated by accepted engineering practices.
 - (3) Designed to transfer design loads to rough opening.

Installation Requirements:

Products must be installed per the drawing specified in the limitations and conditions of use.

Limitations and Conditions of Use:

The use of the above drawings is limited to the following products, sizes and design pressures:

Product Description	Installation Drawing Number	Frame Size: Width x Height	Design Pressure
FL6525.1 - ITDH 4276	00041440	41.5 x 75.75	-40/-40
FL6525.2 - ITDH HP 4276	00041440	41.5 x 75.75	+50/-50

Product Evaluation Report Expiration Date: May 2008

Certification of Independence:

I, Stephen D. Fisher, the Professional Engineer performing this evaluation, have not now nor will I acquire a direct financial interest in manufacturing, distribution, or sale of this product(s) for which this report is issued. I am an employee of Marvin Lumber and Cedar the parent company of Marvin Windows & Doors. I do not now, nor will I acquire, a financial interest in any other entity involved in the approval process of this product(s).

Signed: Stephen D. Fisher
Evaluated by:

Date: 1 April '06

Stephen D. Fisher, P.E.
Advanced Research Team Leader
Marvin Windows & Doors
FL-047489

Stephen D. Fisher, P.E.
Professional Registration No. 00047489
Marvin Windows and Doors
P.O. Box 100, Watroad, MN 56763-0100
2006.04.21 11:57:24 -0500

Stephen D. Fisher
Stephen D. Fisher, P.E.
Florida Registration No. 47489

Date: 1 April '06
Marvin Windows and Doors
P.O. Box 100, Hwy 11 West
Watroad, MN 56763-0100

Evaluation Report FL 6525

Page 1 of 1

Product Evaluation Report

per Rule 9B-72, Florida Building Commission

Manufacturer:

Marvin Windows & Doors
Hwy 11 West, PO Box 100
Warroad, MN 56763-0100

Statement of Compliance:

The product described below meets section 1714.5.4 (Exterior Window and Door Assemblies: Anchorage Methods) of the 2004 Florida Building Code.

Product Description:

Use of drawing 00038585 with FL4972.1
Use of drawing 00038595 with FL4972.2

Modifications from tested installations:

Drawing 00038585: Added Masonry Clip and Jambcrew Installation Methods to product tested with nailing fin only.

Drawing 00038595: Added Masonry Clip and Jambcrew Installation Methods to product tested with BMC nailing only.

Technical Documentation:

See John Sopkowiak analysis's 4 pages dated 3/8/04

Conformance steps:

- (1) Review of lab report and installation drawings from third-party testing.
- (2) Anchor performance as demonstrated by accepted engineering practices.
- (3) Designed to transfer design loads to rough opening.

Installation Requirements:

Products must be installed per the drawing specified in the limitations and conditions of use.

Limitations and Conditions of Use:

The use of the above drawings is limited to the following products, sizes and design pressures:

Product Description	Installation Drawing Number	Frame Size: Width x Height	Design Pressure
FL4972.1 - CGL 7159	00038585	71.500 x 59.500	+30/-30
FL4972.2 - WGL 6955	00038595	69.625 x 55.000	+30/-30

Product Evaluation Report Expiration Date: September 2007

Certification of Independence:

I, Stephen D. Fisher, the Professional Engineer performing this evaluation, have not now nor will I acquire a direct financial interest in manufacturing, distribution, or sale of this product(s) for which this report is issued. I am an employee of Marvin Lumber and Cedar the parent company of Marvin Windows & Doors. I do not now, nor will I acquire, a financial interest in any other entity involved in the approval process of this product(s).

Signed:

Stephen D. Fisher

Date: *2 Aug '05*

Printed by:

Stephen D. Fisher, P.E.
Florida Registration No. 47489

Stephen D. Fisher, P.E.
Advanced Research Team Leader
Marvin Windows & Doors
FL-047489

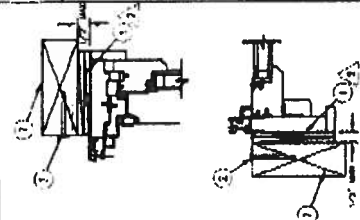
Date: *2 Aug '05*

Marvin Windows and Doors
P.O. Box 100, Hwy 11 West
Warroad, MN 56763-0100

Evaluation Report FL 4972
Page 1 of 1

MAILING FOR INSTALLATION
FOR THE FOLLOWING
FL4072: - CCL 1158

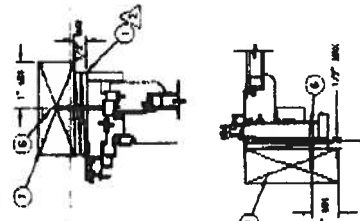
- INSTALLATION OF 2 FASTENERS
- APPLY TO ALL 4 SIDES



A schematic diagram of a hydraulic cylinder. It shows a rectangular cylinder body with a piston rod extending from the left side. The piston rod is connected to a valve assembly. The valve assembly consists of a valve body with two ports, labeled 'a' and 'b'. Port 'a' is at the top and port 'b' is at the bottom. The valve body is connected to the piston rod. The cylinder body is connected to a hydraulic line. The diagram is a cross-sectional view showing the internal components of the cylinder and valve.

JAMES EARLY INSTALLATION
FOR THE FOLLOWING PRO
74972; - CGL 7139

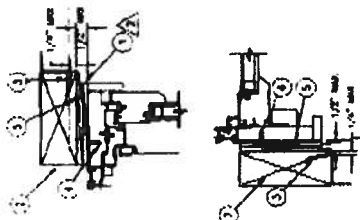
- MINIMUM OF 2 PER SIDE.
- SCREWS MUST BE A MINIMUM OF 1 INCH FROM EACH END.
- SCREWS MUST HAVE A MINIMUM OF 1/250" OF PENETRATION INTO THE SUBSTRATE.
- WALLING FIN SHOWN, BUT IS NOT NEEDED FOR STRUCTURAL PURPOSES.
- AND CAN NOT BE SUBSTITUTED FOR FASTENERS SHOWN.



WASHERY CUP INSTALLATION
FOR THE FOLLOWING PROJECT
FL0972.1 - OCT 7:58

RESOURCES:

- MINIMUM OF 2 PER SITE
- LOCK LEG OF CLIP INTO MACHINE FOR KIT
- ATTACH TO LIFT WITH ONE 3/8" WOOD SCREW
- WOOD CLIPS TO THE INTERIOR OF THE BUCK
- PREDRILL TWO 3/32" HOLES FOR SCREWS FOR ATTACHMENT TO BUCK WITH TWO 1 5/8" SHEET ROCK SCREWS
- SHEET METAL SCREWS
- SINGLE SCREWS A MAXIMUM OF 13 TOWARDS THE PITCH



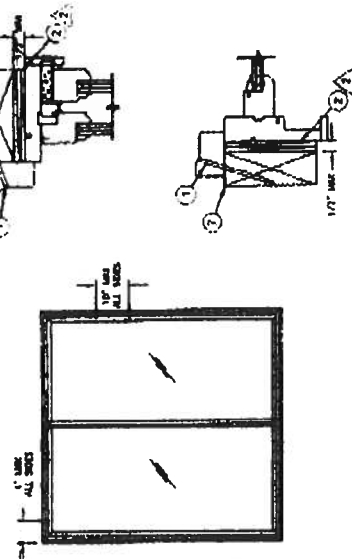
A technical drawing of a mechanical assembly. It features a cross-hatched rectangular component, likely representing a spring or a specific material. This component is connected to a horizontal shaft or rod on the left and a vertical rod or pin on the right. The drawing is a line sketch with hatching for shading.

[illegible]

2018
Stephen D. Miller, P.E.
Florida Registration No. 47489
Date: 2A, 1/15
Maine Offices and Depts:
P. O. Box 100, Hwy 11 West
Winthrop, ME 05783-0100

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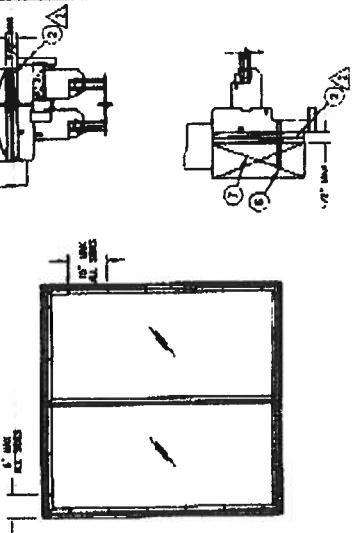
BMC WALLING INSTALLATION METHOD



BMC WALLING INSTALLATION METHOD IS APPROVED FOR THE FOLLOWING PRODUCTS:
FL 4972.2 - 60L 6555

BMC WALLING INSTALLATION METHOD
- MIN OF 2 PER 33IN.
- APPLY TO JAMBS AND HEAD JAMBS.

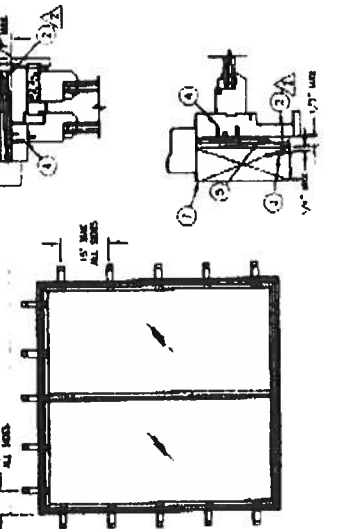
JAMB SCREW INSTALLATION METHOD



JAMB SCREW INSTALLATION METHOD IS APPROVED FOR THE FOLLOWING PRODUCTS:
FL 4972.2 - 60L 6555

JAMB SCREW INSTALLATION
- MIN OF 2 PER 33IN.
- SCREWS MUST BE A MIN OF 1 INCH FOR EACH EDGE OF THE JAMB.
- SCREWS MUST HAVE A MIN OF 1/2\"/>

WASHER CLIP INSTALLATION METHOD



WASHER CLIP INSTALLATION METHOD IS APPROVED FOR THE FOLLOWING PRODUCTS:
FL 4972.2 - 60L 6555

WASHER CLIP INSTALLATION METHOD
- MIN OF 2 PER 33IN.
- ATTACH TO JAMB WITH TWO #2 X 5/8\"/>

- NOTES:
1. THE FOLLOWING INSTRUCTIONS, REFER TO THE INSTALLATION INSTRUCTIONS.
2. SCREWS
- A SHIM MUST BE PLACED AT THE MEETING STEEL.
- PLACE A SHIM WITHIN 4-6 INCHES OF EACH CORNER AND SPACE ALL OTHERS ONLY A MINIMUM OF 15\"/>

Signature: *[Signature]*
Stephen B. Pichler, P.E.
Florida Registration No. 47489
Date: 2 Aug. 01
Manufacturers and Dealers
P.O. Box 100, May 11 Wood
Vermont, MN 56703-0100

ITEM	QTY	DESCRIPTION	REVISION
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COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant **Plans Examiner**

☒ ☐

All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.

☒ ☐

Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.

☒ ☐

Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

☒ ☐

Wind-load Engineering Summary, calculations and any details required
Plans or specifications must state compliance with FBC Section 1609.

The following information must be shown as per section 1603.1.4 FBC

- a. Basic wind speed (3-second gust), miles per hour (km/hr).
- b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
- c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
- d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
- e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specially designed by the registered design professional.

Elevations including:

☒ ☐

a) All sides

☒ ☐

b) Roof pitch

☒ ☐

c) Overhang dimensions and detail with attic ventilation

- ☒ ☐
- ☒ ☐
- ☒ ☐
- ☒ ☐

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- ☒ ☐

- ☐ N/A ☐

- ☐ N/A ☐

- 12" dia 5' above roof
- d) Location, size and height above roof of chimneys.
 - e) Location and size of skylights
 - f) Building height
 - e) Number of stories

Floor Plan including:

- a) Rooms labeled and dimensioned.
- b) Shear walls identified.
- c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
- d) Show safety glazing of glass, where required by code.
- e) Identify egress windows in bedrooms, and size.
- f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
- g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
- h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel.

Roof System:

- a) Truss package including:
 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 2. Roof assembly (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 1. Rafter size, species and spacing
 2. Attachment to wall and uplift
 3. Ridge beam sized and valley framing and support details
 4. Roof assembly (FBC 106.1.1.2) Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 1. All materials making up wall
 2. Block size and mortar type with size and spacing of reinforcement
 3. Lintel, tie-beam sizes and reinforcement
 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
 6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 7. Fire resistant construction (if required)
 8. Fireproofing requirements
 9. Shoe type of termite treatment (termiteicide or alternative method)
 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 11. Indicate where pressure treated wood will be placed
 12. Provide insulation R value for the following:

- a. Attic space
- b. Exterior wall cavity
- c. Crawl space (if applicable)

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b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space *R-30*
 - b. Exterior wall cavity *R-19*
 - c. Crawl space (if applicable)

☐ *N/A*
☐

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms
- h) Exhaust fans in bathroom

HVAC Information

- a) Energy Calculations (dimensions shall match plans)
- b) Manual J sizing equipment or equivalent computation
- c) Gas System Type (*LP* or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

***Notice Of Commencement Required Before Any Inspections Will Be Done
Private Potable Water

☐ *N/A*
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☐ *N/A*

*work to
75,000 BT
Total*

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- ✓ 1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
- ✓ 2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
- ✓ 3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- ✗ 4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
- Do Not 6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**
- ✓ 7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS – PLEASE DO NOT ASK

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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

[Signature]
APPLICANT SIGNATURE

11/21/06
DATE



Columbia County 9-1-1 Addressing / GIS Department

P.O. Box 1787, Lake City, FL 32056

Telephone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com



9-1-1 Address Request Form

NOTE: ADDRESS ASSIGNMENT MAY REQUIRE UP TO 10 WORKING DAYS. IF THE ADDRESSING DEPARTMENT NEEDS TO CONDUCT ON SITE GPS LOCATION IDENTIFICATION, ADDITIONAL TIME MAY BE REQUIRED.

Date of Request: _____

Requester Last Name: _____

First Name: _____

Contact Telephone Number: _____

(Cell Phone Number if Provided): _____

Requested for Self: _____ or Requested for Company: _____
(check one)

If Address is Requested by a Company, Provide Name of Requesting Company:

Parcel Identification Number: _____ - _____ - _____ - _____

If in Subdivision, Provide Name Of Subdivision:

Phase or Unit Number (if any): _____ Block Number (if any): _____

Lot Number: _____

Attach Site Plan or you may use back of Request Form for Site Plan:

Requirements for Site Plan Are Listed on Back of Request From:
(NOTE: Site Plan Does NOT have to be a survey or to scale; FURTHER a Environmental Health Dept. Site Plan showing only a 210 by 210 cutout of a property will NOT suffice for Addressing Requirements.)

Addressing / GIS Department Use Only:

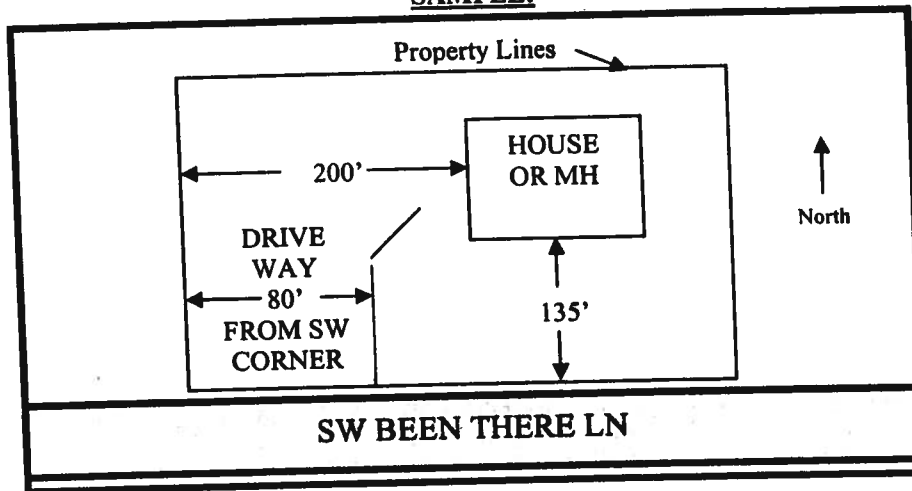
Date Received: _____

Date Assigned: _____

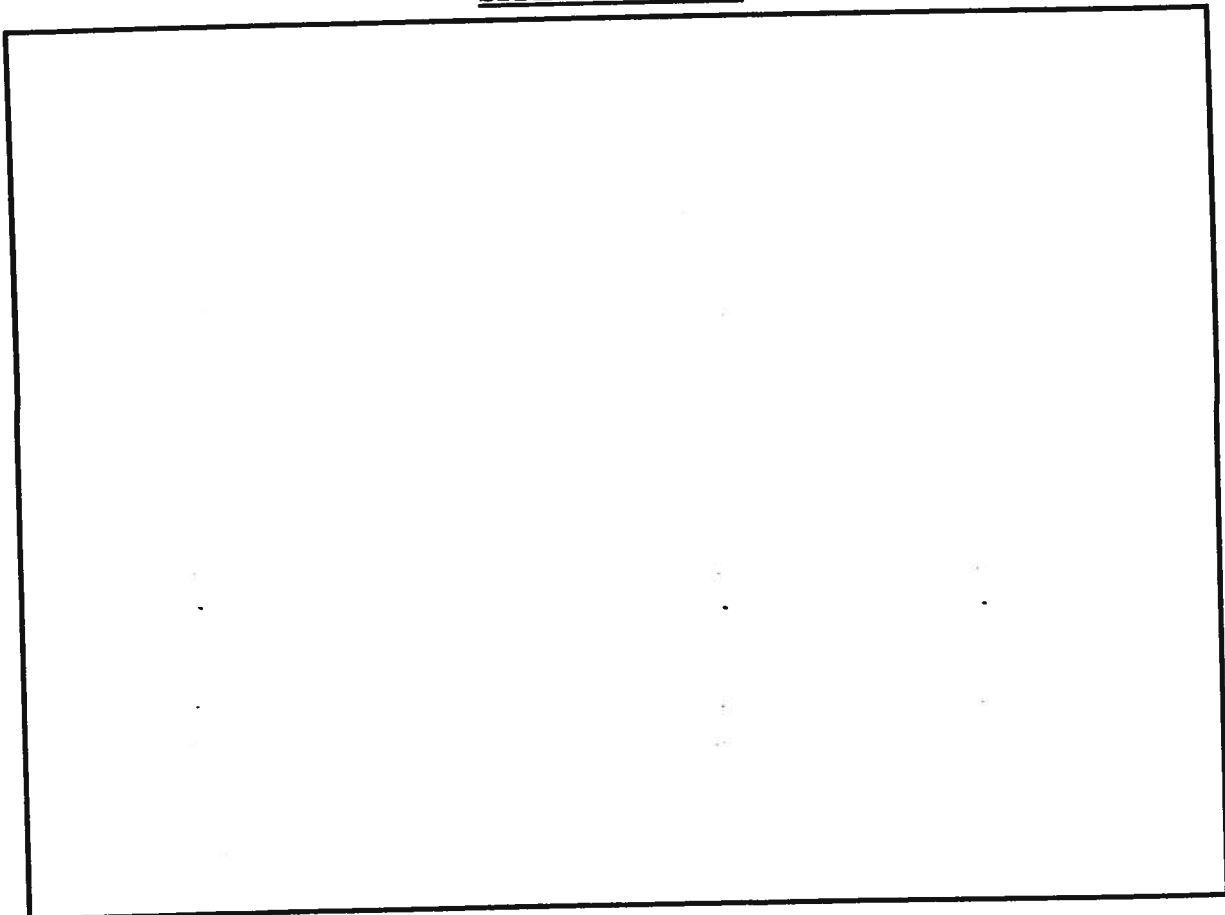
ID Number: _____

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:



TOP CHORD 2x6 SP #1
BOT CHORD 2x6 SP #1
WEBS 2x4 SP #2 : W6 2x8 SP SS:

DEFLECTION MEETS L/360.00 LIVE AND L/240.00 TOTAL LOAD.

SPECIAL LOADS

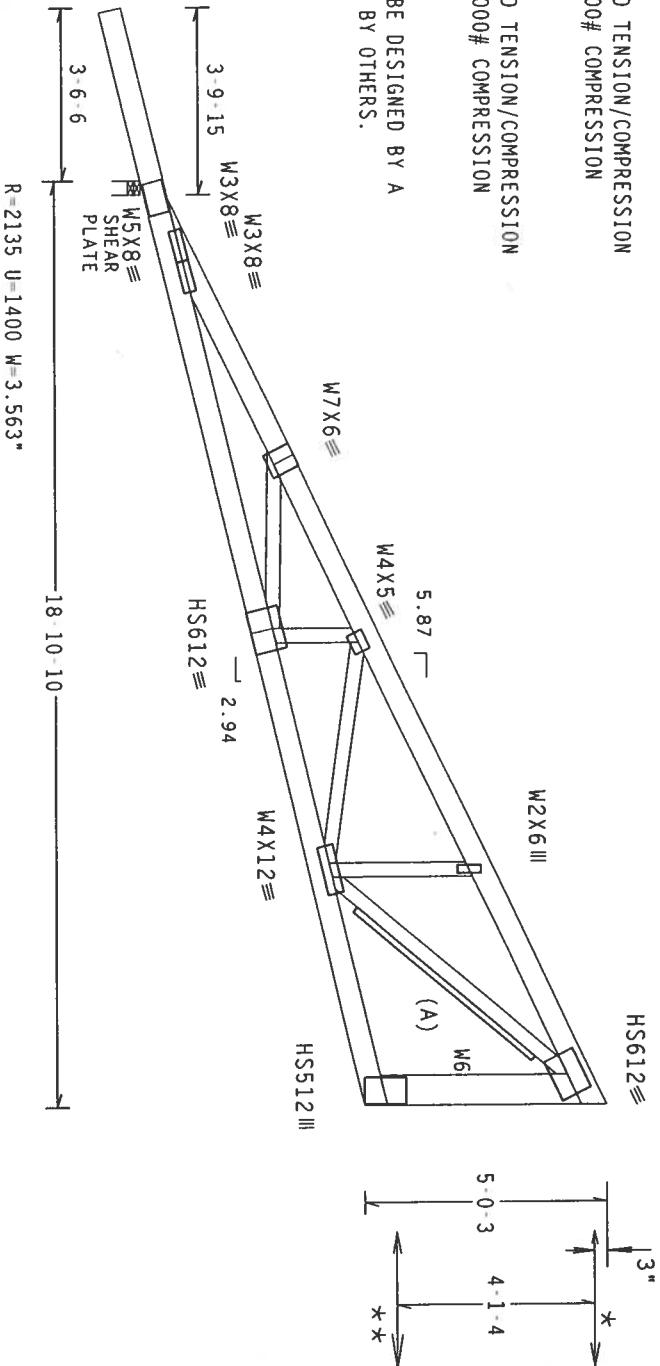
----- (LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)
TC - From 80 PLF at 0.00 to 10 PLF at 9.32
TC - From 85 PLF at 9.32 to 20 PLF at 18.89
BC - From 107 PLF at 3.53 to 80 PLF at 0.00
BC - From 21 PLF at 0.00 to 21 PLF at 9.32
BC - From 21 PLF at 9.32 to 5 PLF at 18.89
TC - 474 LB Conc. Load at 9.32 (237# FROM EACH FACE)
BC - 144 LB Conc. Load at 9.32 (72# FROM EACH FACE)

* PROVIDE CONNECTION BETWEEN TRUSS AND TENSION/COMPRESSION RING TO RESIST 4000# TENSION AND 4000# COMPRESSION HORIZONTAL REACTIONS.

** PROVIDE CONNECTION BETWEEN TRUSS AND TENSION/COMPRESSION RINGS TO RESIST 4000# TENSION AND 4000# COMPRESSION HORIZONTAL REACTIONS.

NOTE: TENSION/COMPRESSION RINGS ARE TO BE DESIGNED BY A REGISTERED ENGINEER AND FURNISHED BY OTHERS.

SHIM ALL SUPPORTS TO SOLID BEARING.



150 MPH WIND, 15.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TCCL=5.0 PSF, WIND BCDL=5.0 PSF.
IN LIEU OF RIGID SHEATHING USE PURLINS TO BRACE BC @ 24.00" OC
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND THE TRUSS MANUFACTURER TO REVIEW THIS DRAWING PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA INCLUDING DIMENSIONS AND LOADS CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND THE TRUSS FABRICATORS LAYOUT.

(A) 1x4 "T" brace, 80% length of web member. Same species & grade or better. Attach with 8d Box or Gun (0.113"x2.5",min.) nails @ 6" OC.

PLT TYP. High Strength Wave TPI-95

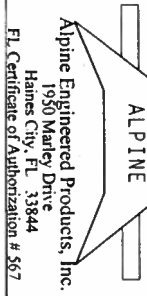
Design Criteria: TPI (STD)

FL/-/3/-/R/-

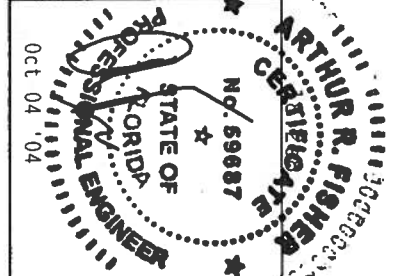
Scale = .25"/ft.

WARNING TRUSSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDING, SHIPPING, INSTALLING AND BRACING. REFER TO DECS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTALLATION, 589 G DORRHOFF DR., SUITE 200, MADISON, WI 53710) AND WMA (WOOD MEMBERS, 589 G DORRHOFF DR., SUITE 200, MADISON, WI 53710) FOR SAFETY PRACTICES AND PREVENTING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DISTON COMPANIES WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY ALPINE) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 201/16GA (W, W, S, K) ASH 6053 GRADE 40/50 (W, K, W, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1600.2. ANY INSPECTION OF PLATES FOLLOWED BY IT SHALL BE PERMITTED AS OF 10/1/2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT TOP ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	30.0 PSF	REF	R591 - -	2235
TC DL	10.0 PSF	DATE	09/30/04	
BC DL	10.0 PSF	DRW	HCUSR591	04274003
BC LL	0.0 PSF	HC-ENG	DLJ/AF	
TOT.LD.	50.0 PSF	SEON	- 28611	
DUR.FAC.	1.15	FROM	ETC	
SPACING	24.0"	JREF	- 15G5591	Z01

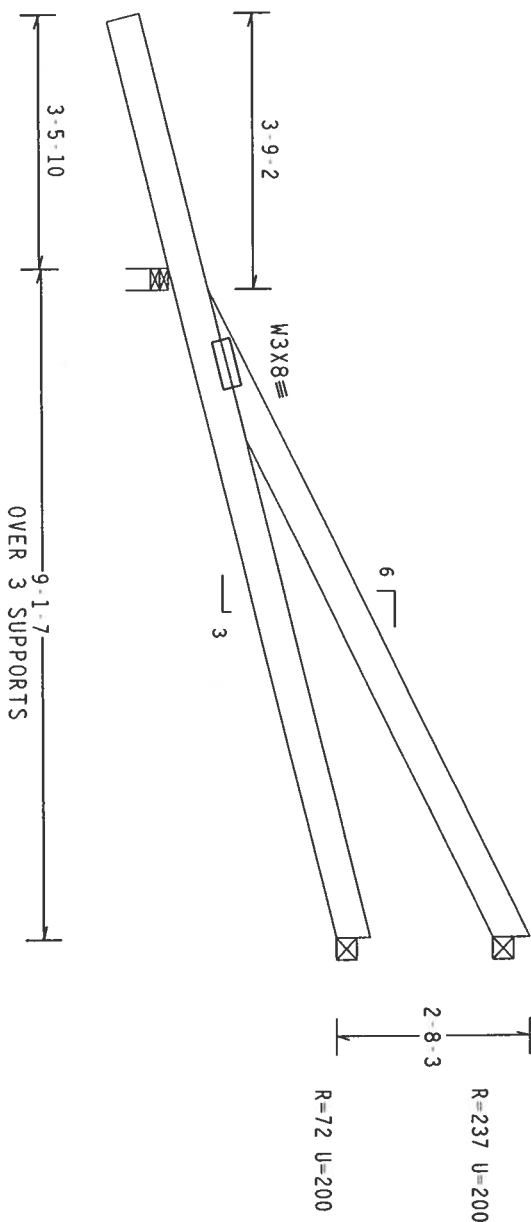
150 MPH WIND, 15.00 FT MEAN HGT, ASCE 7-98,
CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C,
WIND TCDF=5.0 PSF, WIND BCDL=5.0 PSF.

IN LIEU OF RIGID SHEATHING USE PURLINS TO BRACE BC @ 24.00" OC
DEFLECTION MEETS L/360.00 LIVE AND L/240.00 TOTAL LOAD.
PROVIDE (3) 16d TOE-NAILS AT TOP CHORD.
PROVIDE (3) 16d TOE-NAILS AT BOTTOM CHORD.

--- (LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)

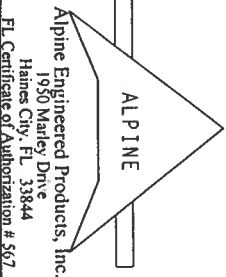
- | | | |
|--------|--------------------|----------------|
| - From | 82 PLF at -0.00 to | 43 PLF at 8.83 |
| - From | 96 PLF at -3.47 to | 82 PLF at 0.00 |
| - From | 21 PLF at 0.00 to | 11 PLF at 8.83 |

SHIM ALL SUPPORTS TO SOLID BEARING.



R=869 U=580 W=3.5"

Scale = .375" / ft.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

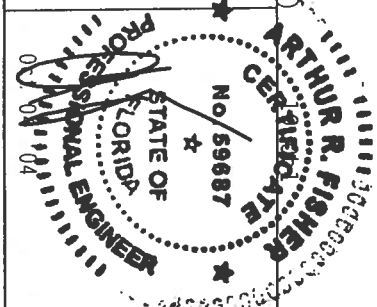
****WARNING**** TIPS TO BUILDING EXPERTS: CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC-1 TO GC-1.0 (GROUTING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TIRUPPES PLATE INSTITUTE, 5602 O. DONOR RD., SUITE 200, MADISON, WI 53719, AND WEA (WOOD TREES CONNECT) OF AMERICA, 6500 INTERSTATE 10, MADISON, WI 53719, FOR SAFETY PRACTICES PERTINENT TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. A FIRM ENGINEERED

ALPINE ENGINEERING:

SLAY IN THIS

RESPONSIBILITY OF THE



TC LL	30.0 PSF	REF	R591-- 2235
TC DL	10.0 PSF	DATE	09/30/04
BC DL	10.0 PSF	DRW	HCUSR591 04274001
BC LL	0.0 PSF	HC-ENG	DLJ/AF
TOT.LD.	50.0 PSF	SEON	- 1618
DUR.FAC.	1.15	FROM	WHD
SPACING	24.0"	JREF	- 1SGS591_Z01

150 MPH WIND, 15.00 FT MEAN HGT, ASCE 7-98,
CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C
WIND TCDF=5.0 PSF, WIND BCDL=5.0 PSF.

IN LIEU OF RIGID SHEATHING USE PURLINS TO BRACE BC @ 24.00" OC

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND THE TRUSS MANUFACTURER TO REVIEW THIS DRAWING PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA INCLUDING DIMENSIONS AND LOADS CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND THE TRUSS FABRICATORS LAYOUT.

(A) 1x4 "T" brace. 80% length of web member. Same species & grade or better. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

PROVIDE CONNECTION BETWEEN TRUSS AND TENSION/COMPRESSION
RINGS TO RESIST 3200# TENSION AND 3200# COMPRESSION
HORIZONTAL REACTIONS.

SHIM ALL SUPPORTS TO SOLID BEARING.



Scale = .25" / Ft.

ALPINE ENGINEERING

TC LL	30.0 PSF	REF R591-- 2235
TC DL	10.0 PSF	DATE 09/30/04
BC DL	10.0 PSF	DRW HCURS591 0424002

Alpine Engineered Products, Inc

1930 Mauley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

25265
NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

*****THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.*****

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

Tax Parcel ID Number 26-75-16-04324-103

PERMIT NUMBER 25265

1. Description of property: (legal description of the property and street address or 911 address)
128 RUM ISLAND TERRACE
FORT WHITE FL 32038
LOT 3 WARNOCK FARMS S/D
2. General description of improvement: NEW HOUSE
P.O. BOX 535, HIGH SPRINGS FL 32655
3. Owner Name & Address BARBARA CALDWELL
4. Name & Address of Fee Simple Owner (if other than owner): ABOVE Interest In Property OWNER
5. Contractor Name TERRY ZIERKE Phone Number 1-386-758-7557
Address 578 S.W. ZIERKE DR LAKE CITY FL 32024
6. Surety Holders Name N/A Phone Number _____
Address _____
Amount of Bond _____
7. Lender Name American Home Bank Phone Number 877-226-5242
Address 3840 HEMPLAND RD. MOUNTVILLE, PA 17534
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 713.13 (1)(a) 7; Florida Statutes:
Name BARBARA CALDWELL Phone Number 1-386-853-0659
Address P.O. BOX 535 HIGH SPRINGS FL 32655
9. In addition to himself/herself the owner designates TERRY ZIERKE of LAKE CITY FL to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) - (a) 7. Phone Number of the designee 1-386-853-0659 or 1-386-365-1480 (M)
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

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

Barbara Caldwell
Signature of Owner

Sworn to (or affirmed) and subscribed before
7th day of December, 2006

NOTARY STAMP/SEAL



JAN CLARK
MY COMMISSION # DD 181635
EXPIRES: March 28, 2007
Bonded Thru Budget Notary Services

Jan Clark
Signature of Notary

COLUMBIA COUNTY
FLORIDA

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 26-7S-16-04324-103

Building permit No. 000025265

Use Classification SFD, UTILITY

Fire: 0.00

Permit Holder TERRY ZIERKE

Waste:

Owner of Building BARBARA CALDWELL

Total: 0.00

Location: 128 SW RUM ISLAND TERR, FT. WHITE, FL

Date: 09/06/2007

Harry Zierke

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 26-7S-16-04324-103

Building permit No. 000025265

Use Classification SFD, UTILITY

Fire: 0.00

Permit Holder TERRY ZIERKE

Waste: 0.00

Owner of Building BARBARA CALDWELL

Total: 0.00

Location: 128 SW RUM ISLAND TERR, FT. WHITE, FL

Date: 09/06/2007

Terry Zierke

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

Travis Design Associates, P.C.

1240 Dodson Ridge Road
Walnut Cove, NC 27052
(336) 591-4014

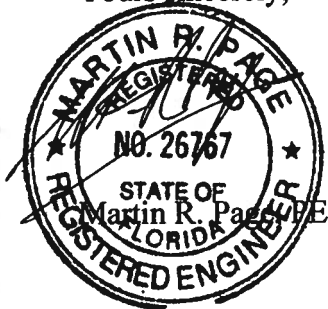
November 8, 2006

Re: Caldwell Home—Deltec # 05313

To Whom It May Concern:

The details written on the drawings for the Caldwell house were added by me, the engineer, in order to enhance the details.

Yours sincerely,



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: 1T4Q591-Z0609091243

Truss Fabricator: **Deltec Homes**
Job Identification: **Model 1500 30-10-10 (3-9-150mph wind)**
Truss Count: **1**
Model Code: **IRC;**
Truss Criteria: **ANSI/TPI-2002(STD)/IRC; ANSI/TPI-1995(STD)**
Engineering Software: **Alpine Software, Versions 7.25, 19.0b1.**
Structural Engineer of Record:
Address:
Minimum Design Loads: **Roof - 50.0 PSF @ 1.15 Duration**
Floor - N/A
Wind - 150 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR591

Seal Date: 02/09/2007

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	64616--	JACK TRUSS	07040013	02/09/07

ALPINE

Caldwell

Deltec Homes

P.O. Box 6279
Asheville, NC 28816-6279

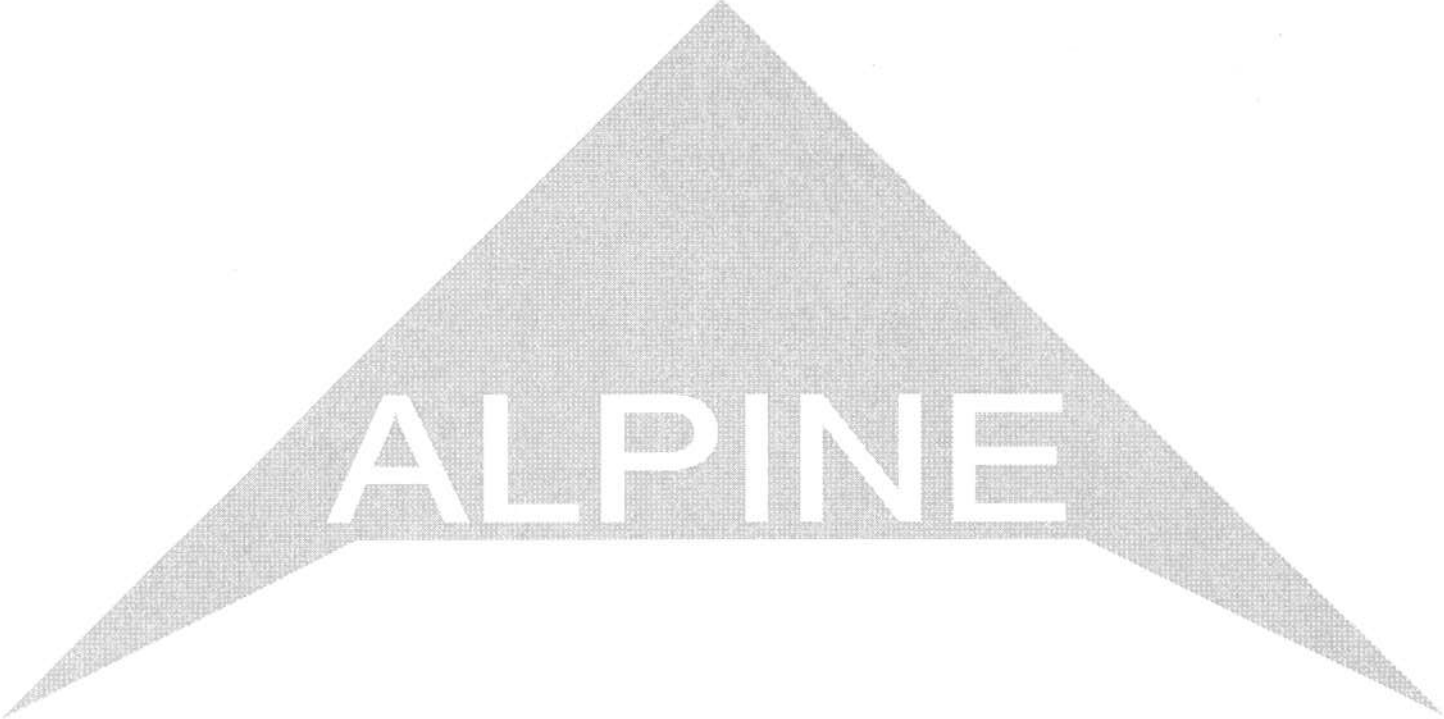
Feb 09, 2007

Page 1 of 1

3 Trusses

Model 1500 30-10-10 (3-9-150mph wind) / Model 1500 30-10

#	Description	DrawNo
<001>	64616--JACK TRUSS	-- 07040013
<002>	64616--HIP TRUSS	-- 07040014
<003>	64616--INT TRUSS	-- 07040015

The logo features the word "ALPINE" in a bold, white, sans-serif font, centered within a large, gray, textured triangle that points upwards. The triangle's base is at the bottom of the page, and its apex is near the top center.

ALPINE

172.65'

50'-0" SIDE SETBACK



BARBRA R. CALDWELL
PARCEL #RO4324-103
COLUMBIA COUNTY, FL

20'-0" SIDE SETBACK

30'-0" FRONT SETBACK

421.52'

COUNTY ROAD #138

○ APPROX
WELL
LOCATION

POWER
POLE
APPROX

SEPTIC
TANK
DRAIN FIELD

16'-0"
DRIVEWAY

30'-0" FRONT SETBACK

SCALE: 1" = 30'-0"

172.65'

SW RUM ISLAND TERRACE

172.65'

50'-0" SIDE SETBACK



BARBRA R. CALDWELL
PARCEL #R04324-103
COLUMBIA COUNTY, FL

421.52'

20'-0" SIDE SETBACK

30'-0" FRONT SETBACK

421.52'

COUNTY ROAD #138

300' +

○ APPROX
WELL
LOCATION

APPROX
POWER
POLE

73'

62'9"

SEPTIC
TANK
DRAIN FIELD

16'-0"
DRIVEWAY

62'9"

30'-0" FRONT SETBACK

SCALE: 1" = 30'-0"

172.65'

SW RUM ISLAND TERRACE