



**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) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

**Weather Shield Manufacturing, Inc.
One Weather Shield Plaza
Medford, WI 54451**

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 "Legacy Contempra" Aluminum Clad Wood Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **1210 A**, titled "Series Legacy Contempra French Door Transom with Sash", sheets 1 through 2 of 2, dated 02/18/03 and last revised on May 14, 2008, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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.

REVISION 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 **renews NOA # 03-0421.10** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



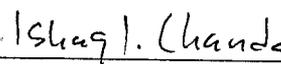
6/16/08

**NOA No. 08-0527.17
Expiration Date: June 26, 2013
Approval Date: July 10, 2008
Page 1**

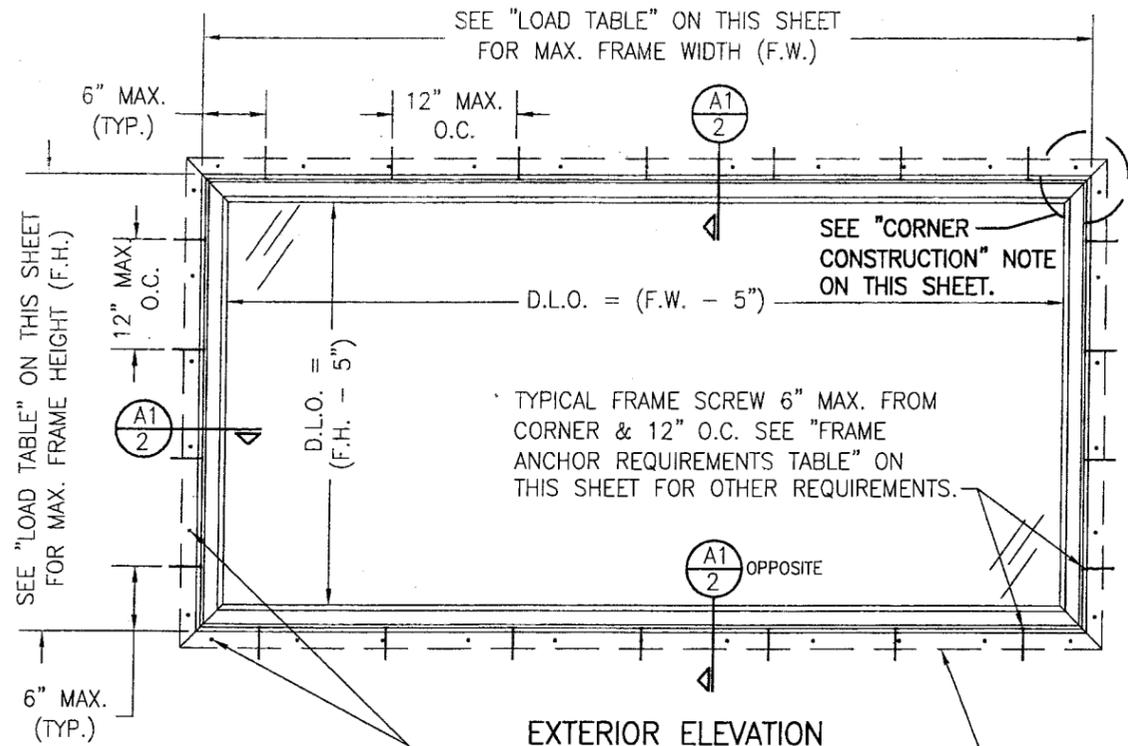
Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS** (transferred from file # **03-0421.10**)
1. Manufacturer's die drawings and sections.
 2. Drawing No. **1210 A**, titled "Series Legacy Contempra French Door Transom with Sash", sheets 1 through 2 of 2, dated 02/18/03 and last revised on May 14, 2008, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
- B. TESTS** (transferred from file # **03-0421.10**) original test conducted per SFBC per PA 201, 202 and 204-94, now known as FBC, TAS201, 202 & 203-94)
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) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- Along with marked-up drawings and installation diagram of a French Door Transom with Sash, prepared by Twin City Testing Corporation, Test Report No. **TCTCW 102011**, dated 07/17/02, signed and sealed by Derrick Swanson, P.E.
- C. CALCULATIONS**
1. Anchor verification calculations and comparative analysis, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 05/14/08, signed and sealed by Warren W. Schaefer, P.E.
 2. Glazing complies with ASTM E1300-02
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex IIIIG Clear or colored interlayer" dated May 04, 2006, expiring on May 21, 2011.
- F. STATEMENTS**
1. Statement letter of conformance and no financial interest, dated May 14, 2008, signed and sealed by Warren W. Schaefer, P.E.
- G. OTHERS**
1. This NOA renews NOA # **03-0421.10** expires on **June 26, 2008**.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 08-0527.17
Expiration Date: June 26, 2013
Approval Date: July 10, 2008



**EXTERIOR ELEVATION
SINGLE FIXED WINDOW**

SCALE: 3/4" = 1'-0"

11 GA. X 1 1/2" ROOFING NAILS
OR NO. 7 X 1 5/8" DRYWALL
SCREWS SPACED AS REQUIRED
TO SECURE & SEAL NAILING FIN

NAILING FIN IS OPTIONAL & MAY BE SCORED
AND REMOVED WHEN REQUIRED FOR A DIRECT
MOUNT CONDITION. (NAIL FIN SHALL NOT ACT
AS A SUBSTITUTE FOR THE FRAME SHEAR
SCREWS SPECIFIED)

GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.0 OF THE ASCE 7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

FRAME CORNER CONSTRUCTION

AT EACH CORNER THE WOOD FRAME MEMBERS ARE DADO CUT, GLUED, PLACED TOGETHER AND MECHANICALLY FASTENED WITH THREE NO. 8 X 2 1/2" LONG DRYWALL SCREWS.
AT EACH CORNER THE ALUMINUM FRAME CLADDING MEMBERS ARE MITER CUT, SEALED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING ONE NO. 8 X 1 1/4" SCREW PER CORNER.

SASH CORNER CONSTRUCTION

AT EACH CORNER THE WOOD SASH MEMBER ENDS ARE MORTISE & TENON CUT, SEALED WITH A SINGLE BEAD OF SILICONE AND WOOD GLUE TO THE WOOD JOINT SURFACES. TWO 2 1/2" BRAD NAILS AND ONE NO. 6 X 1 1/4" PFH PILOT POINT SCREW WITH NO. 5 HEAD ARE USED TO SECURE EACH OF THE CORNERS.
AT EACH CORNER AN ALUMINUM CORNER KEY IS INSERTED IN THE ALUMINUM SASH CLADDING MEMBERS. CLADDING IS MECHANICALLY SECURED WITH ONE NO. 8 X 1 1/4" SMS SCREW & SEALED WITH SILICONE.

ALLOWABLE PRESSURE TABLE

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)																					
	POS.	NEG	POS.	NEG	POS.	NEG	POS.	NEG	POS.	NEG	POS.	NEG	POS.	NEG	POS.	NEG	POS.	NEG	POS.	NEG	POS.	NEG
24"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
30"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0		
36"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	72.5	60.0	70.4				
42"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0								
48"	52.5	65.6	52.5	65.6	52.5	65.6	52.5	65.6	52.5	65.6												
54"			46.7	58.3	46.7	58.3																
59"					42.7	53.4																
(1) LONG DIMENSION	48"		54"		59"		66"		72"		78"		83"		90"		96"		108"		120"	

TABLE NOTES:

- (1) ALL WINDOW DIMENSION VALUES SHOWN ARE +/- 1/2" & ARE FRAME (F.H. & F.W.) DIMENSIONS
- (2) THOSE SIZES WITH LOADS LISTED ARE MAXIMUM ALLOWABLE SIZES AT THAT LOAD. IF NO LOAD IS LISTED FOR A GIVEN SIZE, THAT SIZE EXCEEDS ALLOWABLE AND IS NOT ACCEPTABLE.

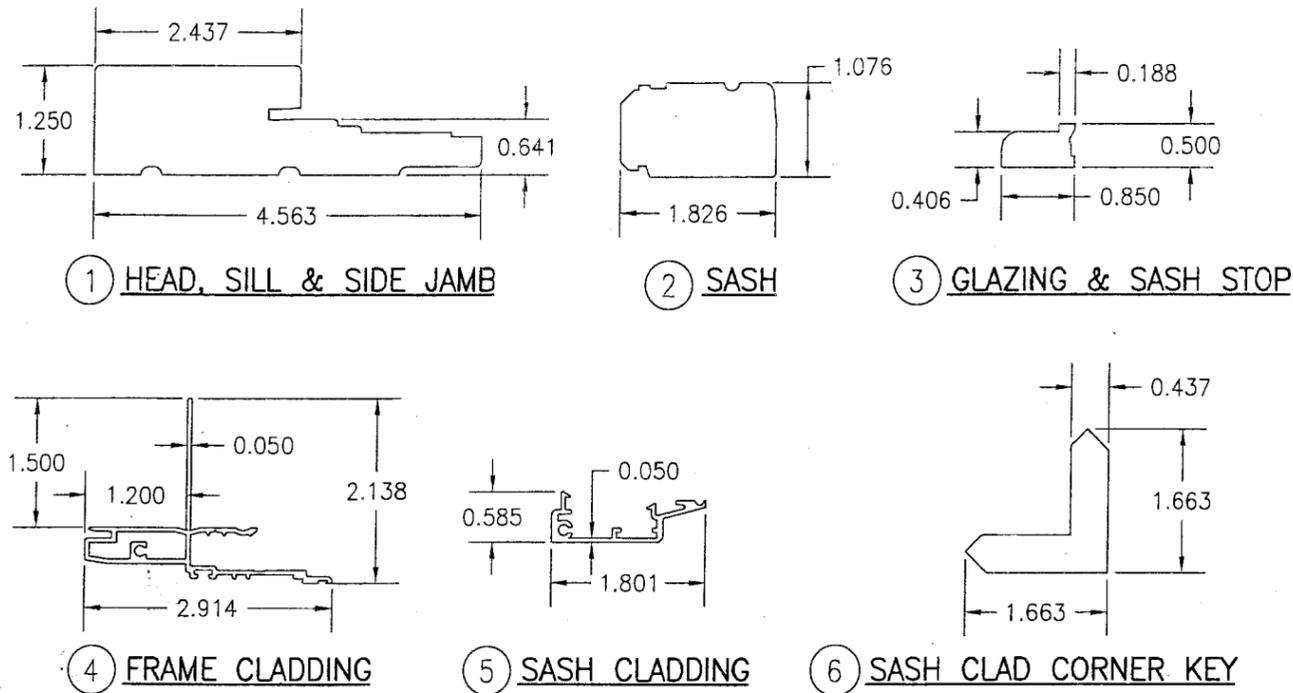
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 1/4"	3/4"
CMU/CONCRETE	3/16" CONCR. SCREW	1 1/4"	2"

CONCRETE SCREWS SHALL BE ITW RAMSET/RED HEAD TAPCONS, ELCO TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

*SHEAR SCREW ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2x4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2x4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREW SHALL BE USED. SEE "FRAME ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISSIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

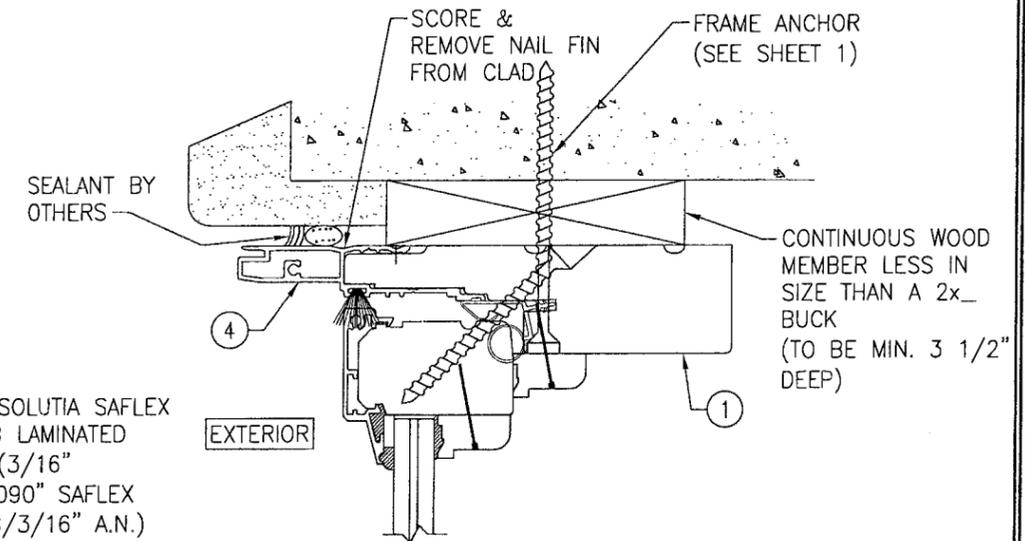
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 08-0527.17
Expiration Date 06/26/2013
By Klaus L. Hank
Miami Dade Product Control
Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1 = 16	DATE: 02/18/03
DATE: 05/14/08	
BY: W.W.S.	
REVISION DESCRIPTION: A1 UPDATE TO PRESENT STANDARDS	
NO.:	
DRAWING TITLE LEGACY CONTEMPRA FRENCH DOOR TRANSOM WITH SASH	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS	
ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION MAY 14 2008	WARDEN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1210	REV. A
SHEET NO. 1 OF 2	



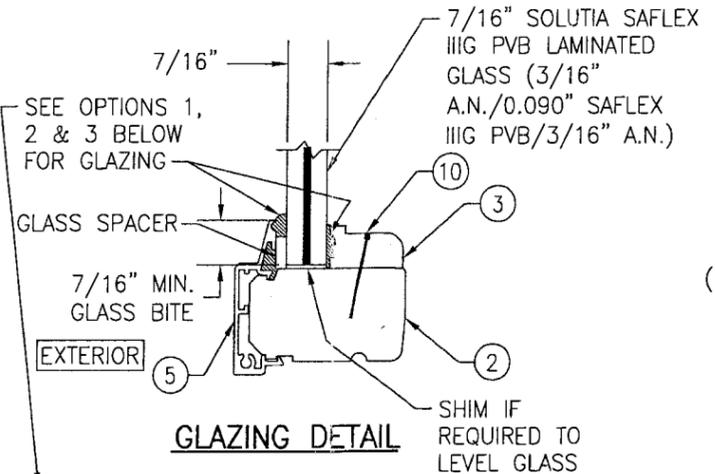
ITEM #	DRAWING #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	08-0006-C2403	HEAD, SILL & SIDE JAMB	* WOOD
2	08-W2059	SASH	* WOOD
3	08-1492-02	GLAZING & SASH STOP	* WOOD
4	04-0004-C2403	FRAME CLADDING	6063-T5 ALUMINUM
5	04-A2549	SASH CLADDING	6063-T5 ALUMINUM
6	12-0150-M05	SASH CLAD CORNER KEY	6063-T5 ALUMINUM
SEALS & SEALANTS			
8	12-0050-W2463	SASH, PILE WEATHERSTRIP	AT SIDES & HEAD ONLY
9A	12-1602-02	CASEMENT SEAL	AMESBURY GROUP, INC.
9B	12-0005-P2262	WEATHERSTRIP	INTEK ARLOC
FASTENERS			
10	-	F16 X 1 1/2" BRAD NAIL	2" FROM ENDS & 12" MAX. O.C.
11	-	NO. 8 X 2 1/2" DRYWALL SCREW	3" FROM ENDS & 16" MAX. O.C.
12	-	3/16" X 1/2" STAPLES	3" FROM ENDS & 20" MAX. O.C.

* WOOD USED WITH TEST UNITS WAS SELECT WESTERN PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. SELECT MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.



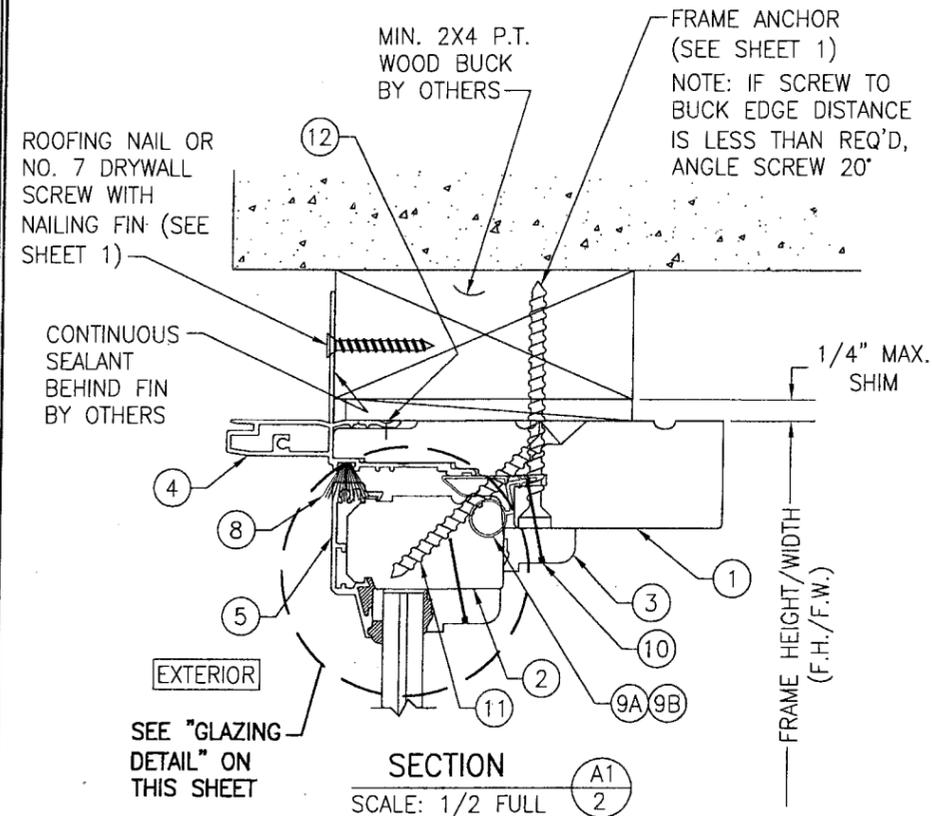
OPTIONAL DIRECT MOUNT DETAIL

FOR DETAIL NOT SHOWN, SEE SECTION "A1" (HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



GLAZING DETAIL

- GLAZING OPTION 1) NOVA GUARD BC4-121 STRUCTURAL SILICONE @ INTERIOR & NOVA GUARD M418 STRUCTURAL SILICONE @ EXTERIOR
- GLAZING OPTION 2) GE SILGLAZE HC STRUCTURAL SILICONE @ INTERIOR & GE ULTRA GLAZE STRUCTURAL SILICONE @ EXTERIOR
- GLAZING OPTION 3) DOW CORNING 899 STRUCTURAL SILICONE @ INTERIOR & GE ULTRA GLAZE STRUCTURAL SILICONE @ EXTERIOR



DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
DATE: 1-2	DATE: 02/18/03
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE LEGACY CONTEMPRA FRENCH DOOR TRANSOM WITH SASH	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS	
ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION MAY 14 2008	By <i>Ishag J. Chan</i> Miami Dade Product Control Division
DRAWING NO. 1210	REV. A
SHEET NO. 2 OF 2	

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 08-0527.17
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