



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.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**Designer Doors, Inc.**  
702 Troy St.  
River Walls, WI 54022

**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: 10'-6" Wide Glazed Wood Sectional Garage Door**

**APPROVAL DOCUMENT** Drawing No. 1140, titled "10'-6" Wide Glazed Hurricane Impact Wood Garage Doors", sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 07/24/02, with last revision on 12/04/08, signed and sealed by Warren W. Schaefer, 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: 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.

**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 reviews NOA # 07-0801.07 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Signature*  
2/4/09

NOA No 08-1224.08  
Expiration Date: October 10, 2012  
Approval Date: February 25, 2009  
Page 1

**Designer Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. 1140, titled "10'-6" Wide Glazed Hurricane Impact Wood Garage Doors", sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 07/24/02, with last revision on 12/04/08, signed and sealed by Warren W. Schaefer, P.E.

**B. TESTS (Submitted under NOA # 02-0807.01)**

1. Test reports on 1) Uniform Static Air Pressure Test Loading per SFBC, PA 202-94  
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94  
3) Large Missile Impact Test per SFBC, PA 201-94  
along with marked-up drawings and installation diagram of a glazed wood clad garage door, prepared by Architectural Testing, Inc., Test Report No. 02-33027.01, dated 10/10/01, signed and sealed by Allen Reeves, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test Loading per SFBC, PA 202-94  
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94  
3) Large Missile Impact Test per SFBC, PA 201-94  
along with marked-up drawings and installation diagram of a glazed wood clad garage door, prepared by Architectural Testing, Inc., Test Report No. 02-33946.01, dated 03/07/02, signed and sealed by Steven Urich, P.E.

**C. CALCULATIONS (Submitted under NOA # 02-0807.01)**

1. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/27/01, signed and sealed by Warren w. Schaefer, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS (Submitted under NOA # 02-0807.01)**

1. Notice of Acceptance No. 01-0205.02 issued to Solutia, Inc. for "Saflex/Keepsafe Maximum" dated 5/17/01, expiring on 5/21/06.

**F. STATEMENTS**

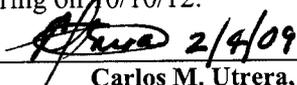
1. Letter of code conformance issued by W.W. Schaefer Engineering & Consulting, P.A., dated 12/11/08, signed and sealed by Warren W. Schaefer, P.E.
2. Letter of no financial interest issued by W.W. Schaefer Engineering & Consulting, P.A., dated 12/11/08, signed and sealed by Warren W. Schaefer, P.E.

**(Submitted under NOA # 02-0807.01)**

3. Laboratory compliance letter for Test Report No. 02-33946.01, issued by Architectural Testing, Inc., dated 06/25/02, signed and sealed by Steven M. Urich, P.E.

**G. OTHERS**

1. Notice of Acceptance No. 07-0801.07, issued to Designer Doors, Inc. for their 10'-6" Wide Glazed Wood Clad Garage Door, approved on 09/06/07 and expiring on 10/10/12.

  
\_\_\_\_\_  
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 08-1224.08  
Expiration Date: October 10, 2012  
Approval Date: February 25, 2009

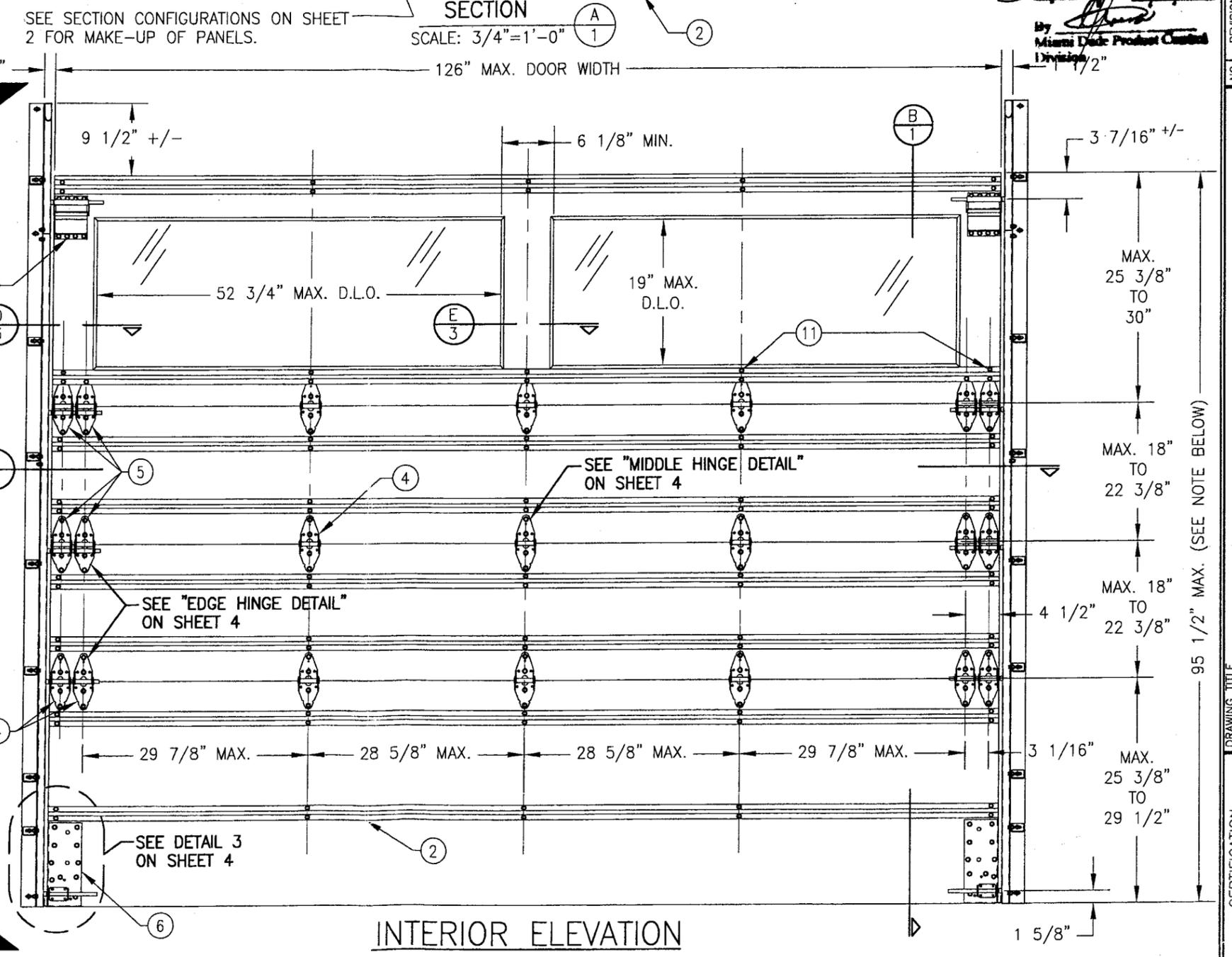
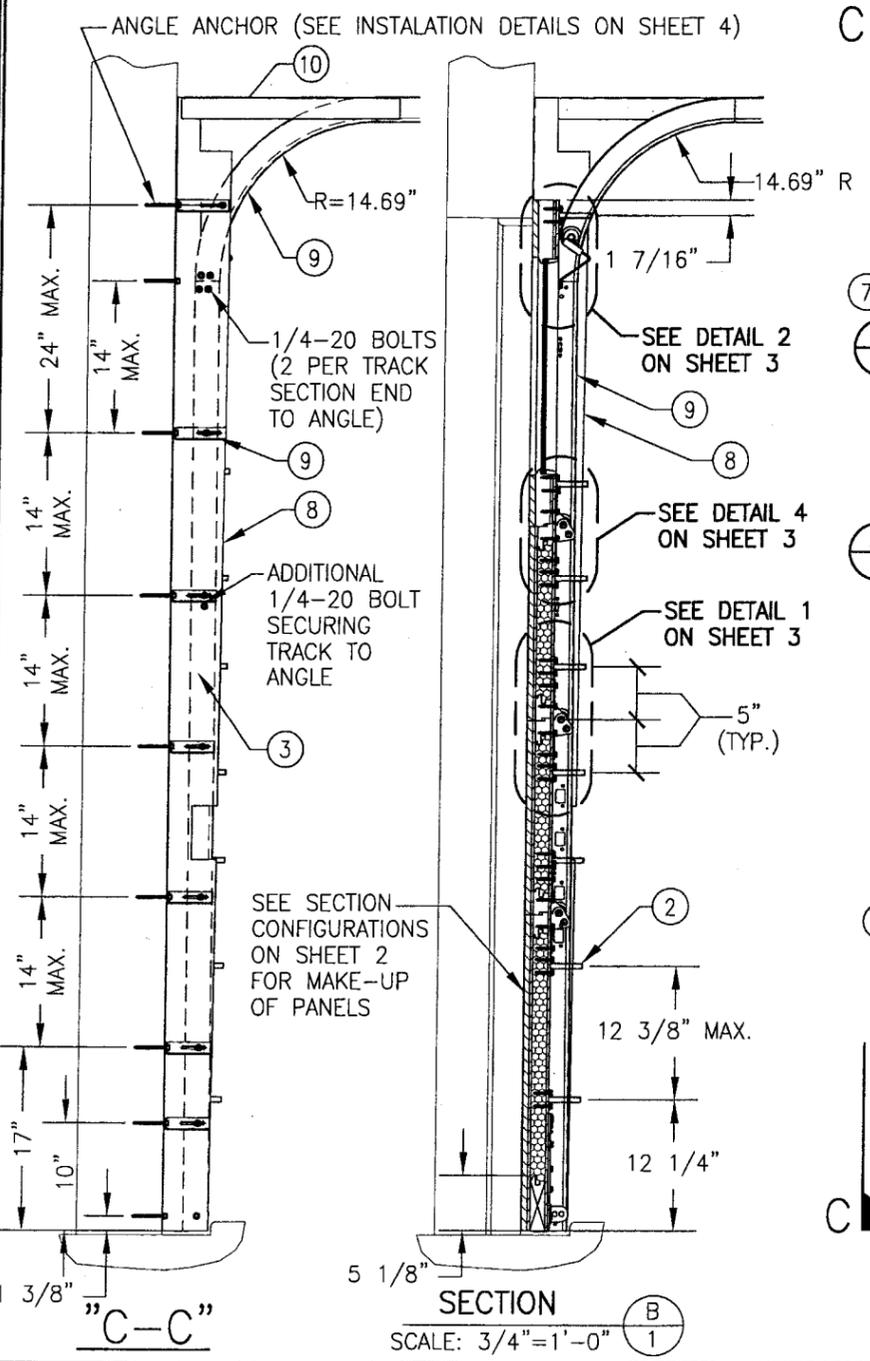
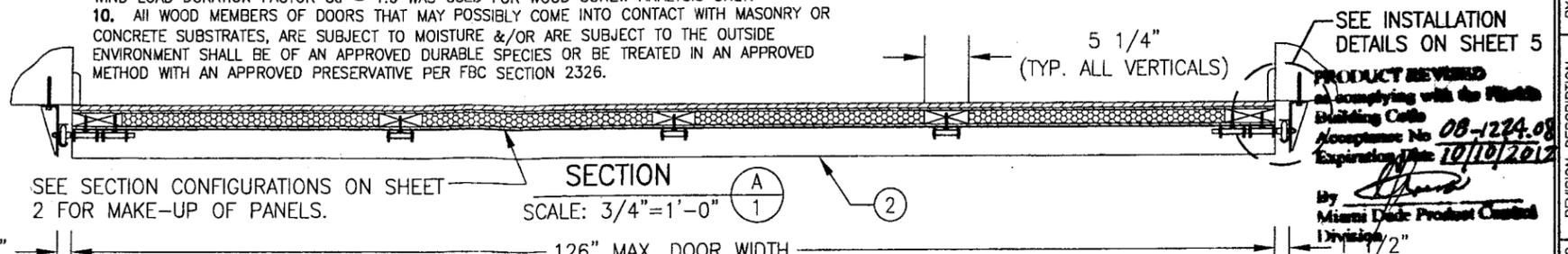
**GENERAL NOTES:**

1. THESE GARAGE DOOR 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 IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT GARAGE DOORS.
5. THESE GARAGE DOOR 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 GARAGE DOORS.
7. ALL ANCHORS SECURING DOORS 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. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
48 PSF	65 PSF

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE: 08/11/05	DATE: 07/24/02
REVISION NO.	DATE
A1	08/11/05
A2	08/11/05
B1	12/04/08



NOTE: DOOR HEIGHT MAY BE INCREASED BY UP TO 22 3/8" INCREMENTS TO A MAXIMUM OF 24 FT. PROVIDING ADDITIONAL CENTER PANEL(S) IS PLACED.

2-LIGHT DOOR SHOWN; SEE SHEET 2 FOR 3-LIGHT CONDITION.

DRAWING TITLE: 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS

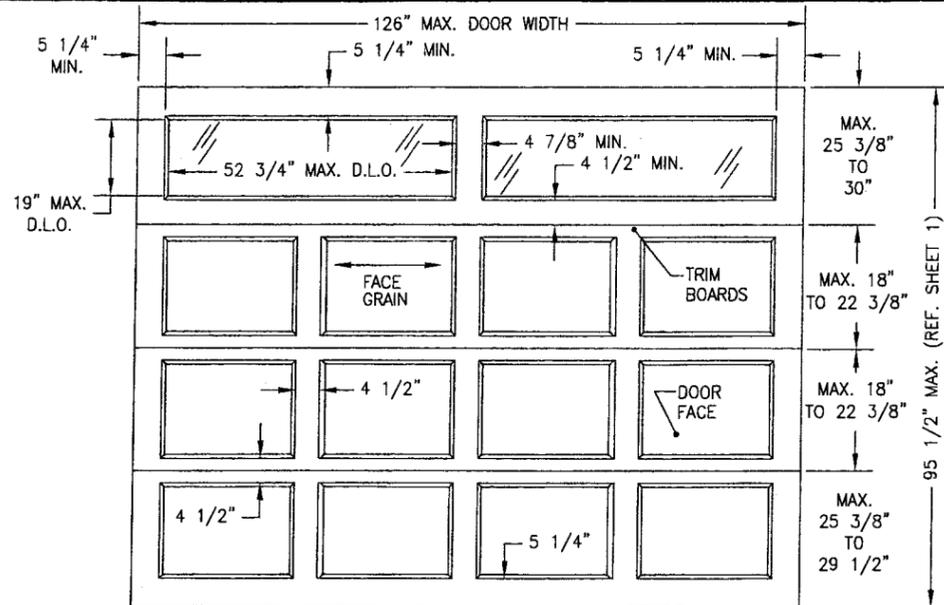
MANUFACTURER: DESIGNER DOORS, INC.  
183 EAST POMEROY STREET  
RIVER FALLS, WI 54022  
800-241-0525

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
600 SANDTREE DRIVE, SUITE 203B  
PALM BEACH GARDENS, FL 33403  
PHONE: 561-775-4802 FAX: 561-775-4903

CERTIFICATION: DEC 11 2008

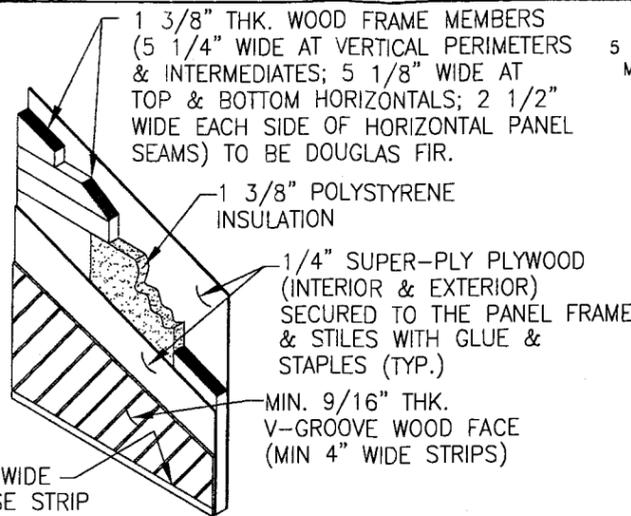
DRAWING NO. 1140 REV. B

SHEET NO. 1 OF 5

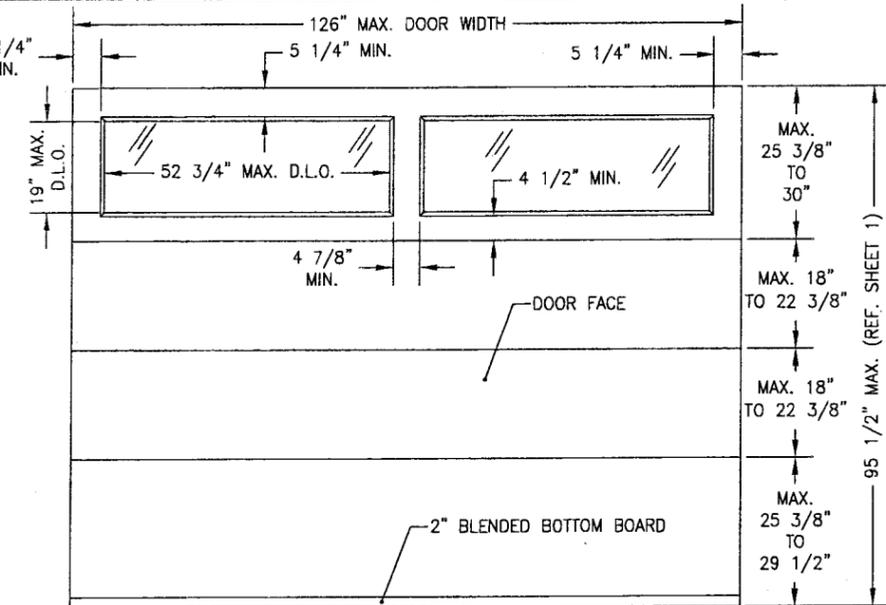


**TYP. RAISED PANEL EXTERIOR ELEVATION**

(2-LIGHT DOOR SHOWN; SEE BELOW FOR TYP. ELEVATION OF 3-LIGHT DOOR SECTION ALSO APPLICABLE)

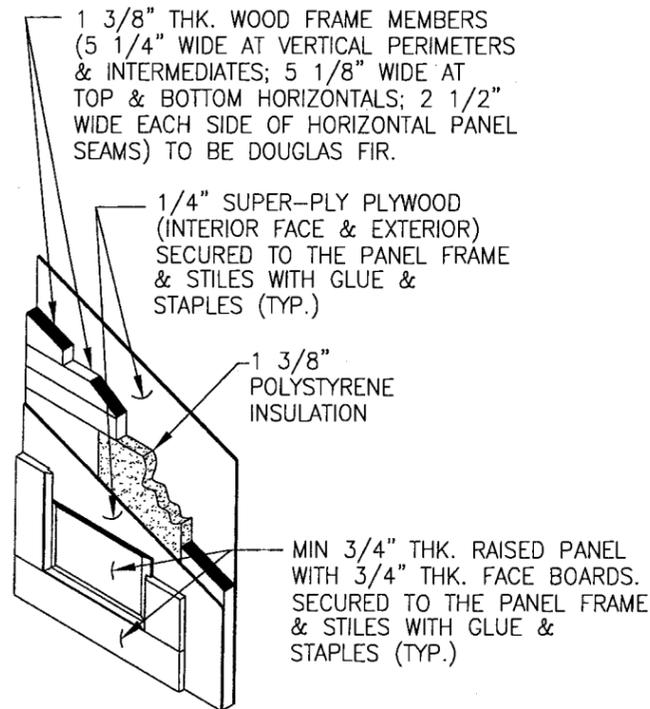


**TYP. V-GROOVE PANEL**  
(V-GROOVE MAY RUN IN ANY DIRECTION)

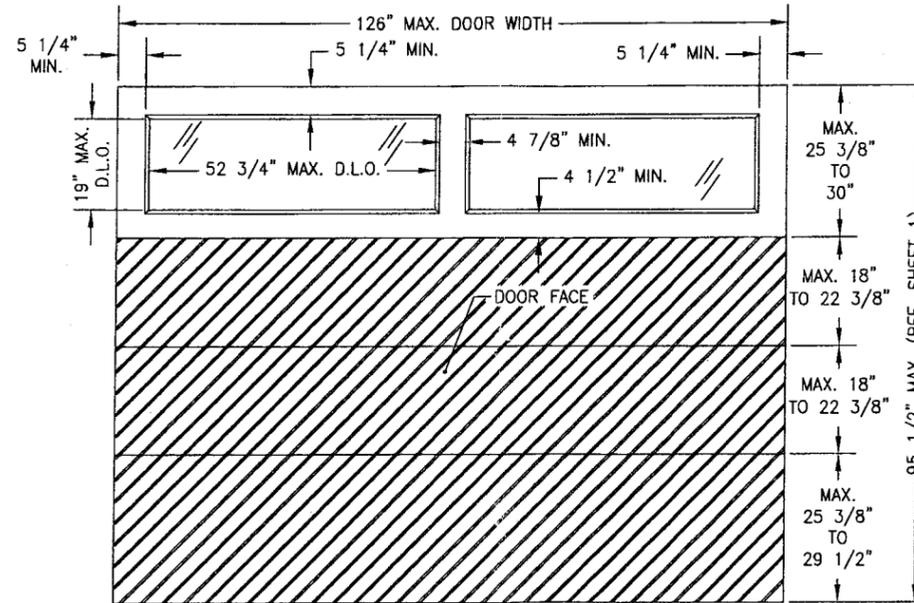


**TYP. FLAT PANEL EXTERIOR ELEVATION**

(2-LIGHT DOOR SHOWN; SEE BELOW FOR TYP. ELEVATION OF 3-LIGHT DOOR SECTION ALSO APPLICABLE)

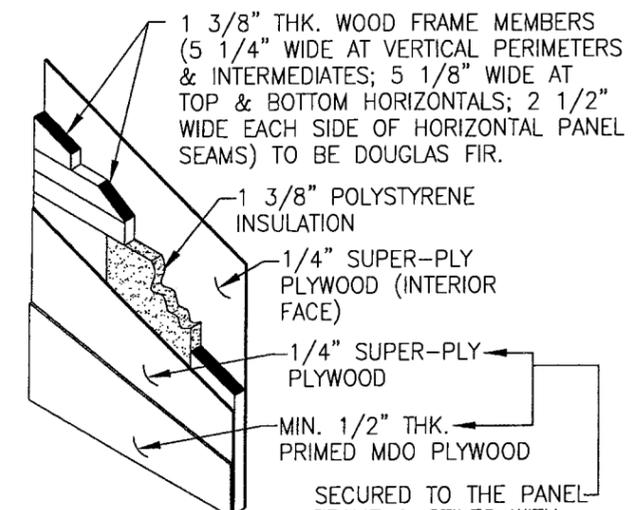


**TYP. RAISED PANEL**



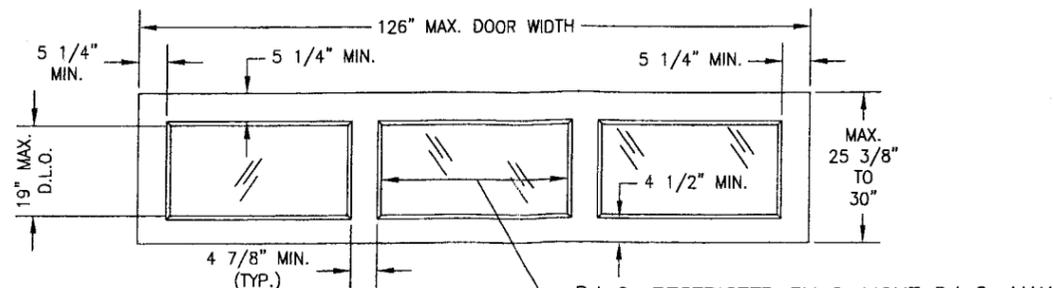
**TYP. V-GROOVE PANEL EXTERIOR ELEVATION**

(V-GROOVE MAY RUN IN ANY DIRECTION)  
(2-LIGHT DOOR SHOWN; SEE BELOW FOR TYP. ELEVATION OF 3-LIGHT DOOR SECTION ALSO APPLICABLE)



**TYP. FLAT PANEL**

SECURED TO THE PANEL FRAME & STILES WITH GLUE & STAPLES (TYP.)

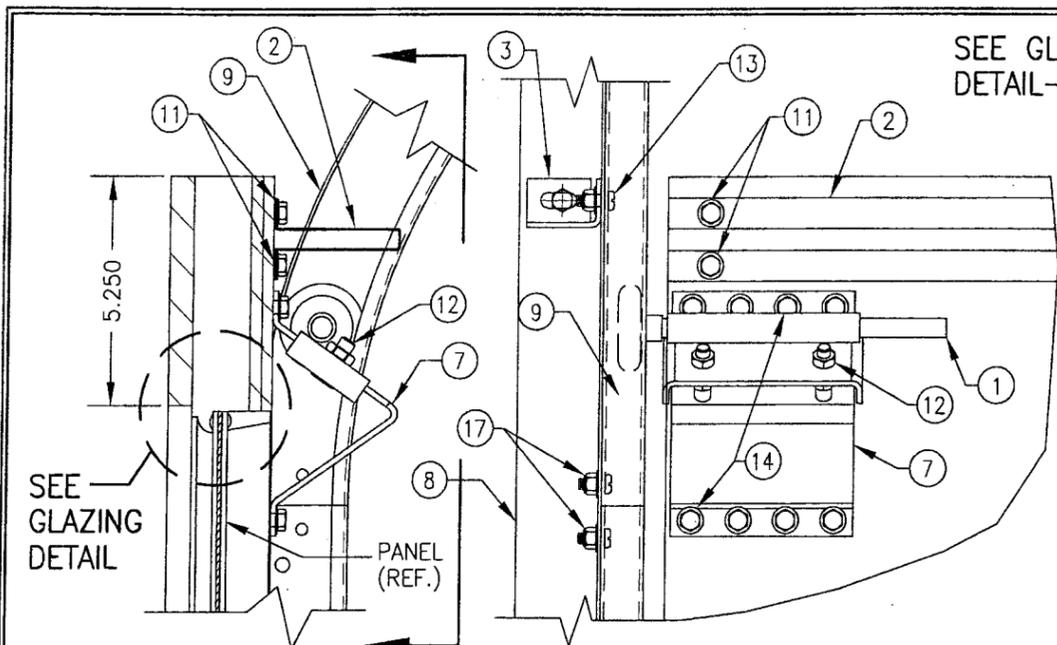


**TYP. 3-LIGHT SECTION**

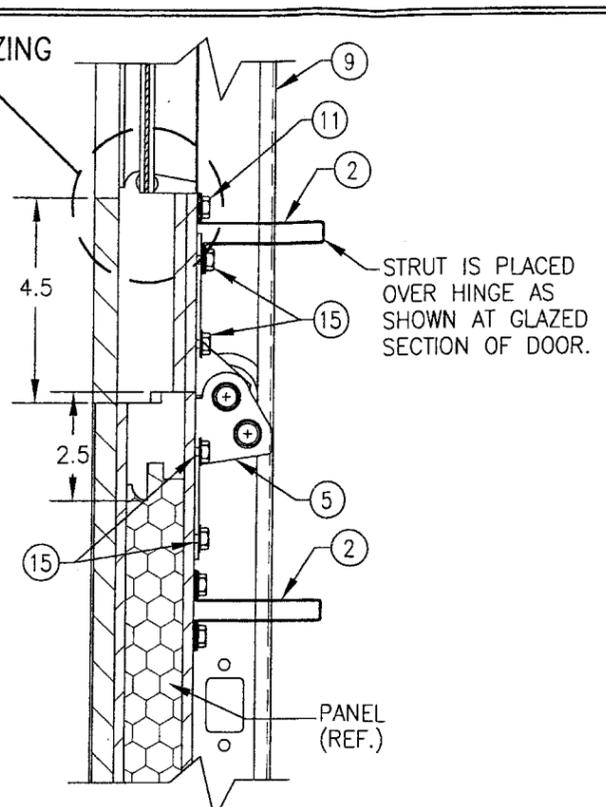
NOTE: GLAZED DOOR SECTION MAY BE LOCATED EITHER AT THE TOP OR TOP MIDDLE SECTIONAL OF THE DOOR.

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=32		DATE: 07/24/02	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: DESIGNER DOORS, INC.	
8895 N. MILITARY TRAIL, SUITE C204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		183 EAST POMEROY STREET RIVER FALLS, WI 54022 800-241-0525	
CERTIFICATION: DEC 11 2008		By: WARREN W. SCHAEFER, P.E.	
DRAWING NO. 1140		REV. B	
SHEET NO. 2		OF 5	

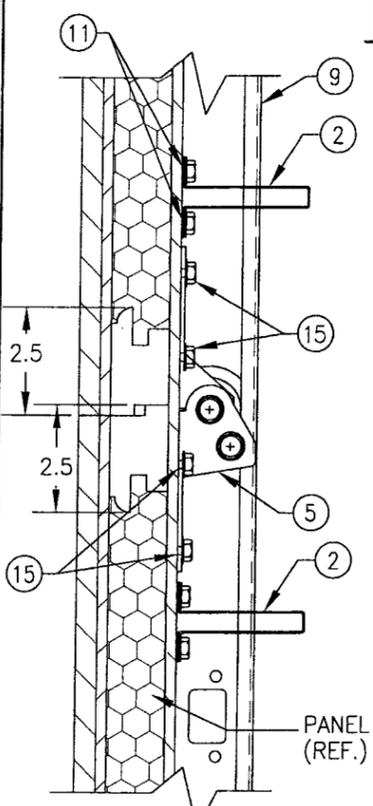
IN ACCORDANCE WITH THE FLORIDA BUILDING CODE  
Acceptance No 08-1224-08  
Expiration Date 10/10/2012  
By: [Signature]  
Miami/Dade Product Control Division



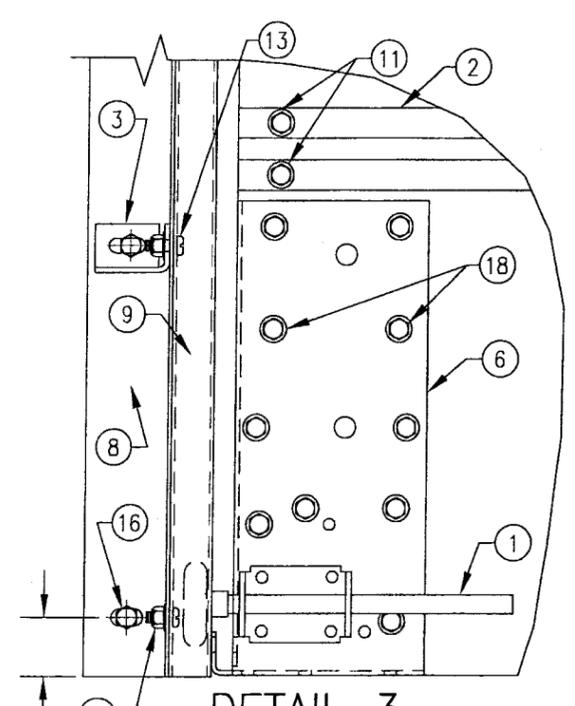
DETAIL 2



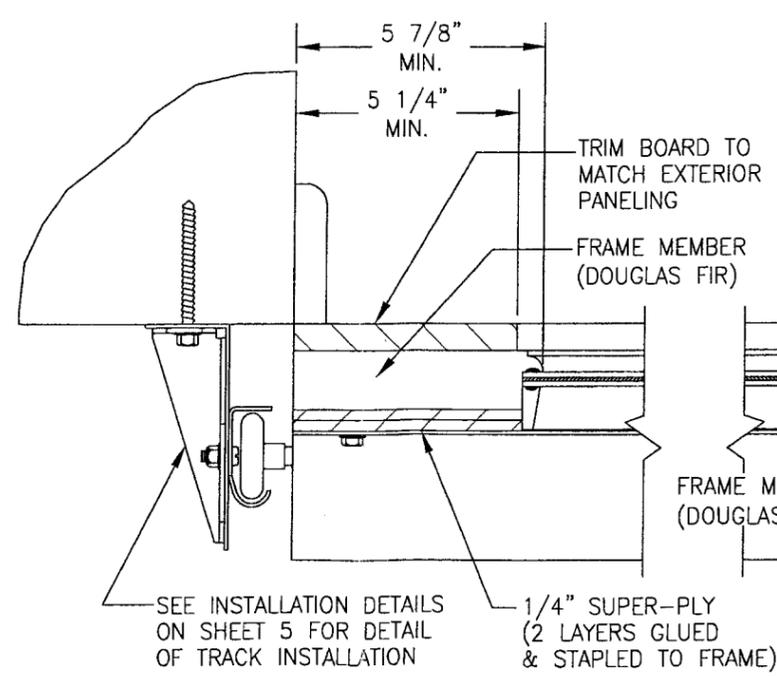
DETAIL 4



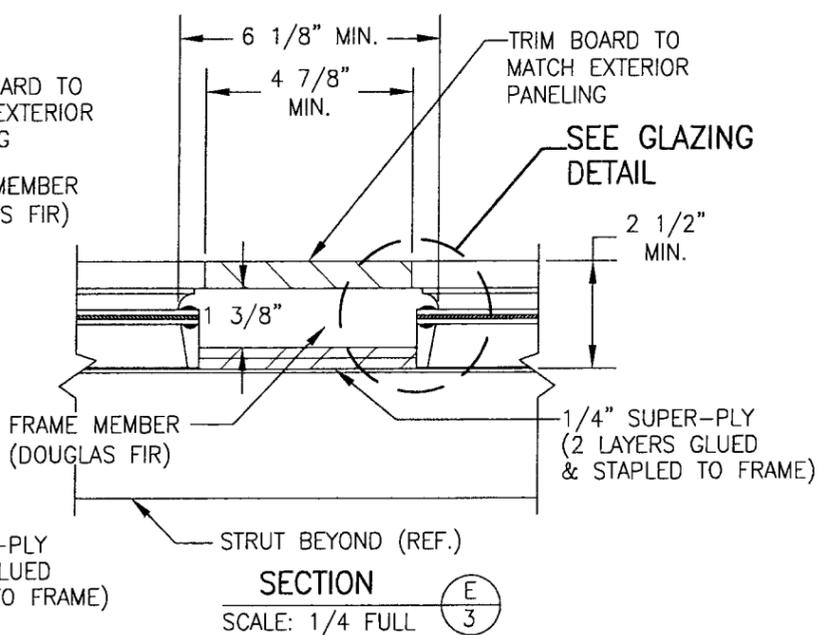
DETAIL 1



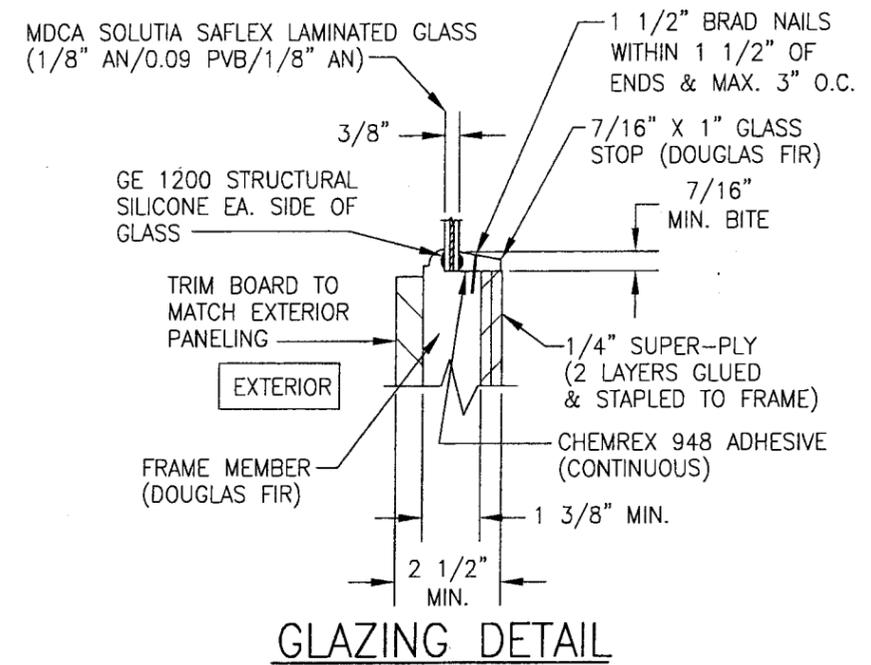
DETAIL 3



SECTION D  
SCALE: 1/4 FULL



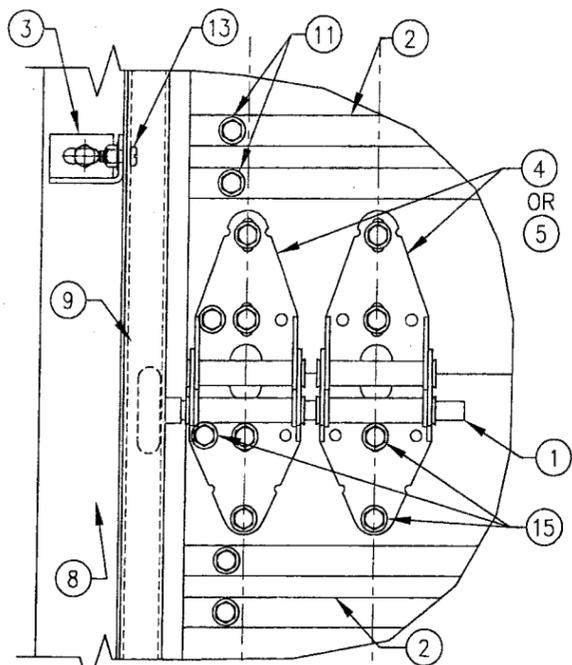
SECTION E  
SCALE: 1/4 FULL



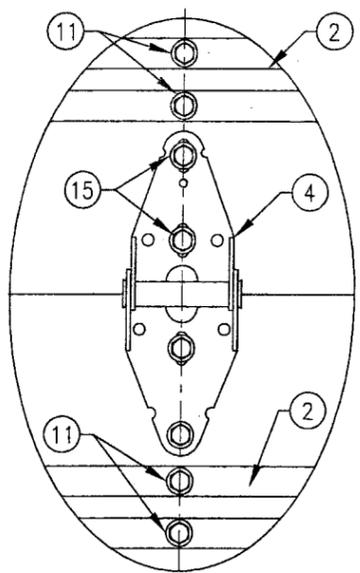
GLAZING DETAIL

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=4		DATE: 07/24/02	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: DESIGNER DOORS, INC.	
8895 N. MILITARY TRAIL, SUITE C204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		183 EAST POMEROY STREET RIVER FALLS, WI 54022 800-241-0525	
CERTIFICATION: <i>Warren W. Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1140		REV. B	
SHEET NO. 3 OF 5			

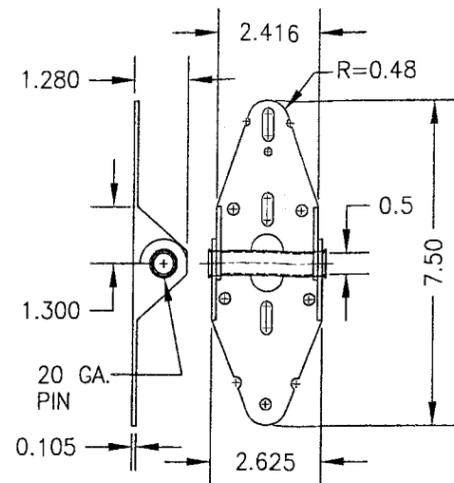
PRODUCT MANUFACTURED as complying with the Florida Building Code  
 Acceptance No 08-1224.08  
 Expiration Date 10/10/2012  
 By *Warren W. Schaefer*  
 Miami Dade Product Control Division



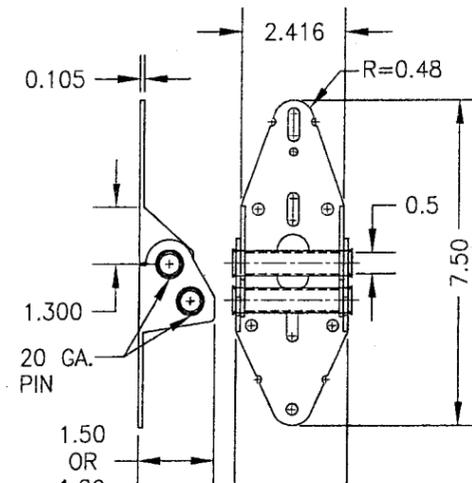
EDGE HINGE DETAIL



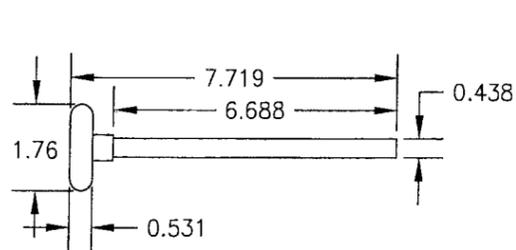
MIDDLE HINGE DETAIL



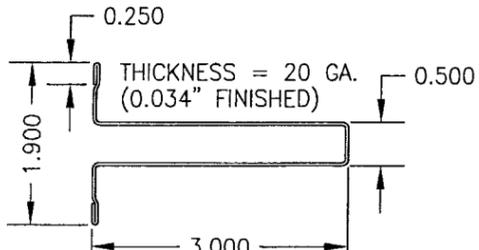
4 SINGLE PIN HINGE



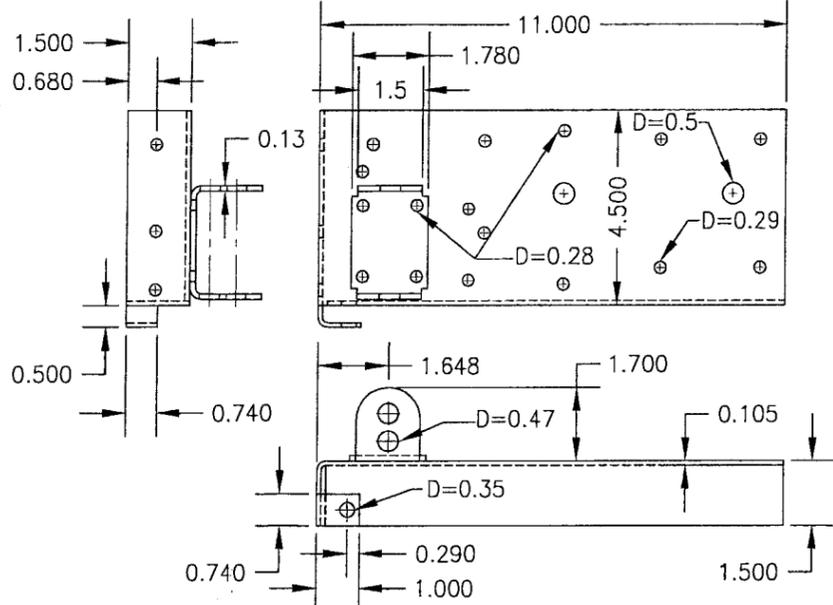
5 DOUBLE PIN HINGE



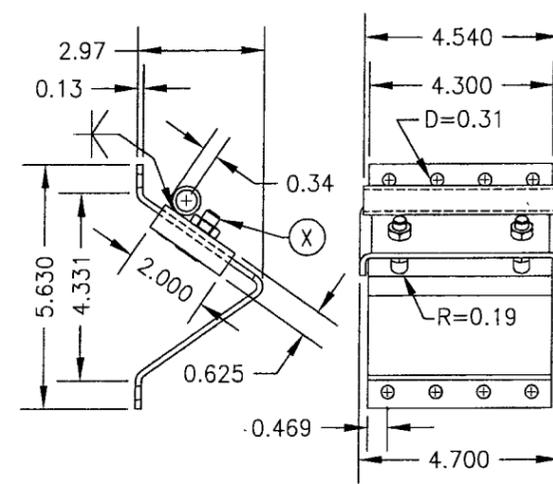
1 NYLON ROLLER WITH AISI STEEL ROD



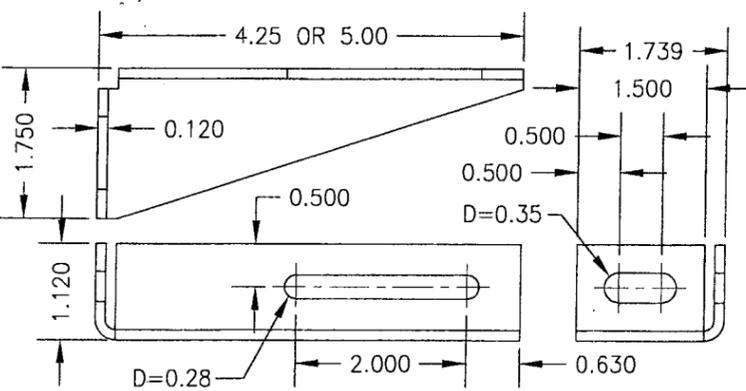
2 3" REINFORCING STRUT



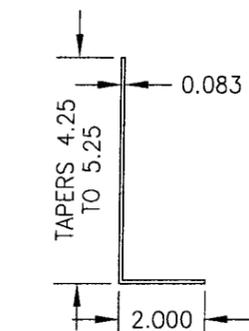
6 BOTTOM CABLE BRACKET



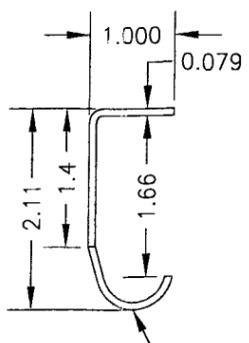
7 ADJUSTABLE TOP BRACKET



3 HURRICANE BRACKET



8 TRACK ANGLE



9 TRACK

DRAWN BY: W.W.S. CHECKED BY: W.W.S.  
 PLOT: 1=4 DATE: 07/24/02

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE: 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS  
 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 8895 N. MILITARY TRAIL, SUITE C204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903  
 MANUFACTURER: DESIGNER DOORS, INC.  
 183 EAST POMEROY STREET  
 RIVER FALLS, WI 54022  
 800-241-0525

CERTIFICATION: DEC 11 2008  
 WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44135

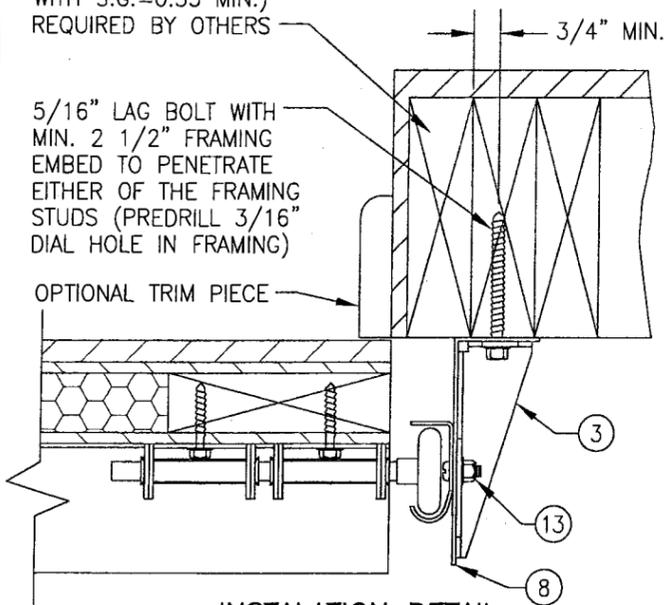
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-1224.08  
 Expiration Date 10/10/2012  
 By: [Signature]  
 Miami Dade Product Control  
 Division

DRAWING NO. 1140 REV. B  
 SHEET NO. 4 OF 5

MIN. (4) 2X\_ STUDS (SYP WITH S.G.=0.55 MIN.) REQUIRED BY OTHERS

5/16" LAG BOLT WITH MIN. 2 1/2" FRAMING EMBED TO PENETRATE EITHER OF THE FRAMING STUDS (PREDRILL 3/16" DIA. HOLE IN FRAMING)

OPTIONAL TRIM PIECE



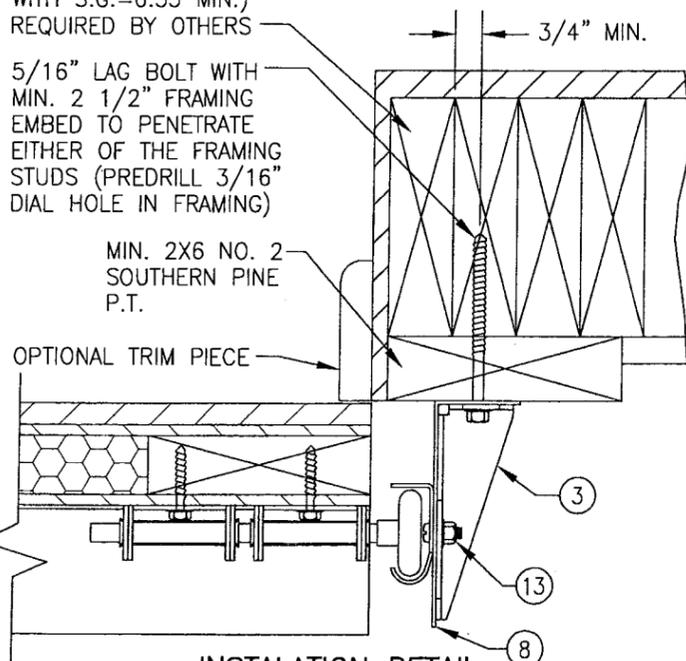
**INSTALATION DETAIL  
DIRECT TO WOOD FRAMING**

MIN. (4) 2X\_ STUDS (SYP WITH S.G.=0.55 MIN.) REQUIRED BY OTHERS

5/16" LAG BOLT WITH MIN. 2 1/2" FRAMING EMBED TO PENETRATE EITHER OF THE FRAMING STUDS (PREDRILL 3/16" DIA. HOLE IN FRAMING)

MIN. 2X6 NO. 2 SOUTHERN PINE P.T.

OPTIONAL TRIM PIECE

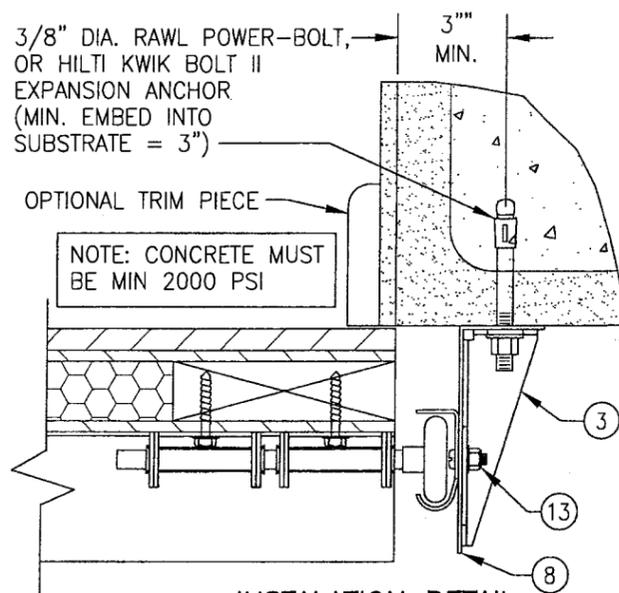


**INSTALATION DETAIL  
SHIMMED TO WOOD FRAMING**

3/8" DIA. RAWL POWER-BOLT, OR HILTI KWIK BOLT II EXPANSION ANCHOR (MIN. EMBED INTO SUBSTRATE = 3")

OPTIONAL TRIM PIECE

NOTE: CONCRETE MUST BE MIN 2000 PSI



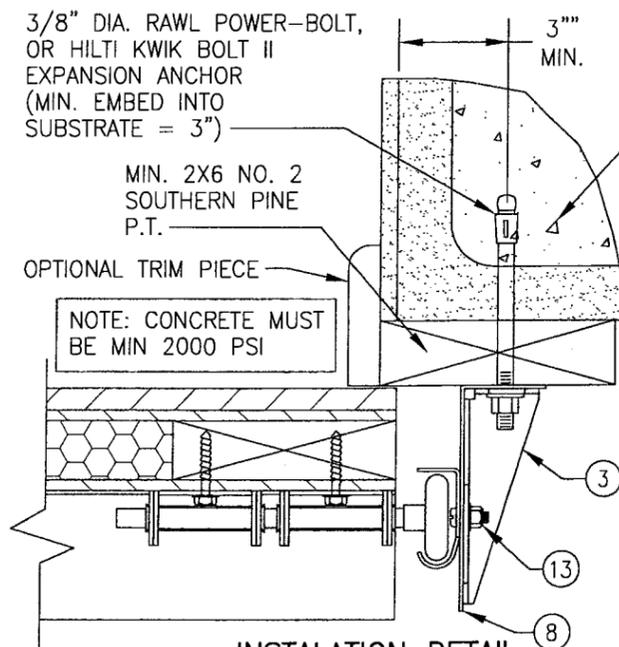
**INSTALATION DETAIL  
DIRECT TO FILLED BLOCK  
OR SOLID CONCRETE**

3/8" DIA. RAWL POWER-BOLT, OR HILTI KWIK BOLT II EXPANSION ANCHOR (MIN. EMBED INTO SUBSTRATE = 3")

MIN. 2X6 NO. 2 SOUTHERN PINE P.T.

OPTIONAL TRIM PIECE

NOTE: CONCRETE MUST BE MIN 2000 PSI



**INSTALATION DETAIL  
SHIMMED TO FILLED BLOCK  
OR SOLID CONCRETE**

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS & HARDWARE			
1	1030-0269	ROLLER	NYLON W/AISI 1045 STL. ROD
2	1030-0213	3" REINFORCING STRUT (2 PER PANEL)	GALV. 80 KSI STEEL
3	1030-0267 1030-0268	HURRICANE BRACKET	GALV. 36 KSI STEEL
4	1030-0123	SINGLE ROLLER HINGE	GALV. 36 KSI STEEL
5	1030-0124 1030-0125	DOUBLE ROLLER HINGE	GALV. 36 KSI STEEL
6	1030-0084	BOTTOM CABLE BRACKET	GALV. 36 KSI STEEL
7	1030-0237	ADJUSTABLE TOP BRACKET	GALV. 36 KSI STEEL
8	1030-0065	TRACK ANGLE (TAPERED)	GALV. 33 KSI STEEL
9	1030-0227	VERTICAL TRACK (HORIZ. TRACK SIMILAR)	GALV. 33 KSI STEEL
10	1030-0063	HORIZONTAL REINFORCEMENT ANGLE	GALV. 33 KSI STEEL
MISCELLANEOUS FASTENERS			
11	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	ALIGNED WITH HINGES CENTERLINES PER ELEVATION
12	-	3/8-16 BOLT	2 AT EACH TOP BRACKET
13	-	1/4-20 X 5/8 RIB NECK TRACK BOLT	1 PER HURRICANE BRACKET TO TRACK
14	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	8 PER TOP BRACKET
15	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	4 PER HINGE (6 PER EDGE HINGE)
16	-	TRACK ANCHOR AT TOP & BOTTOM OF TRACK ANGLE	PER INSTALLATION DETAIL W/O BRACKET
17	-	1/4-20 X 5/8 RIB NECK TRACK BOLT	4 AT TRACK SEAM (TRACK TO ANGLE)
18	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	10 PER BOTTOM CABLE BRACKET

**PANEL NOTES:**

- HORIZONTAL & VERTICAL FRAME MEMBERS ARE EDGE COPED, BUTTED TOGETHER & GLUED WITH "GORILLA GLUE." IN ADDITION, THE VERTICAL MEMBERS ARE SCREWED TO THE HORIZONTAL WITH 2 NO. 8 X 2" SCREWS ANGLED FROM THE BACK FACE OF THE DOOR.
- SUPER-PLY PLYWOOD IS STAPLED TO THE FRAME WITH 18 GA. X 5/8" X 1/4" STAPLES AND GLUED WITH CHEMREX 948 URETHANE ADHESIVE.
- THE EXTERIOR PANEL/STRIPS ARE ATTACHED TO THE SUPER-PLY AND FRAME WITH 18 GA. X 1 1/2" X 1/4" STAPLES AND CHEMREX 948 URETHANE ADHESIVE.
- EXTERIOR FINISH WOOD (PANELS/STRIPS) USED IN TESTING WAS NO. 2 WESTERN RED CEDAR WITH A SPECIFIC GRAVITY OF G = 0.32. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.32 OR GREATER.
- ALL INTERIOR FRAME MEMBERS SHALL BE NO. 2 DOUGLAS FIR WITH G = 0.49.
- IT IS THE OPTION OF DESIGNER DOOR TO INCORPORATE AN INTERIOR FINISH FACE ON ANY DOOR. THIS FACE SHALL BE EQUAL TO THOSE EXTERIOR FACES APPROVED PER THE DETAILS ON THIS DRAWING AND BE SECURED TO THE DOOR IN THE SAME MANNER AS THE EXTERIOR FACE. THIS INTERIOR FACE SHALL BE AN ADDITIONAL LAYER AND SHALL NOT REPLACE ANY LAYER SHOWN IN THE DETAILS ON THIS SHEET. ALSO, ALL HARDWARE LAG SCREWS SHALL BE LENGTHENED TO MIN. 2 1/4" TO ALLOW FOR THE ADDITIONAL THICKNESS OF THE ADDED INTERIOR SKIN.

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 08-1224-08  
 Expiration Date 10/10/2012  
 By *[Signature]*  
 Miami Dade Product Control  
 Division

DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=4	DATE:	07/24/02
DATE			
BY			
REVISION DESCRIPTION			
NO.			

DRAWING TITLE: 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS

MANUFACTURER: DESIGNER DOORS, INC.  
 183 EAST POMEROY STREET  
 RIVER FALLS, WI 54022  
 800-241-0525

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 8895 N. MILITARY TRAIL, SUITE C204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION	DEC 11 2010
WARREN W. SCHAEFER, P.E.	P.E. NO. 44135
DRAWING NO.	1140
REV.	B
SHEET NO.	5 OF 5