



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.miamidade.gov/buldingcode

Designer Doors, Inc.
183 East Pomeroy 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 Clad 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 7/24/02, with last revision on 08/11/05 signed and sealed by Warren 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.

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 **renews NOA # 05-0819.08** 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
8/15/07

NOA No 07-0801.07
Expiration Date: October 10, 2012
Approval Date: September 6, 2007
Page 1

Designer Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. 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 7/24/02, with last revision on 08/11/05 signed and sealed by Warren 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 Schaefer, P.E.

D. QUALITY ASSURANCE

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

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

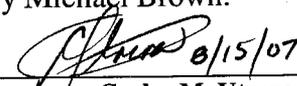
1. Notice of Acceptance No. 01-0205.02 issued to Solutia, Inc. for "Saflex/Keepsafe Maximum" dated 5/17/01, expiring on 5/21/06.

F. STATEMENTS (submitted under NOA # 02-0807.01)

1. Statement letter of conformance, dated 7/24/02, signed and sealed by Warren Schaefer, P.E.
2. Statement letter of no financial interest, dated 7/24/02, signed and sealed by Warren Schaefer, P.E.
3. Laboratory compliance letter for Test Report no. ATIMN02001, issued by Architectural Testing, Inc., dated 6/25/02, signed and sealed by Steven Urich, P.E.

G. OTHERS

1. Statement letter of conformance, dated 7/16/07, signed and sealed by Warren Schaefer, P.E.
2. Statement of no change, dated 7/11/07, signed and sealed by Michael Brown.

 8/15/07

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 07-0801.07

Expiration Date: October 10, 2012
Approval Date: September 6, 2007

GENERAL NOTES

1. THESE GARAGE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
2. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
3. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FLORIDA BUILDING CODE PROTOCOLS TAS 201, 202 & 203 FOR LARGE MISSILE IMPACT GARAGE DOORS.
4. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE GARAGE DOORS.
5. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
6. THESE DOORS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING (FBC) INCLUDING HIGH VELOCITY HURRICAN ZONES (HVHZ).

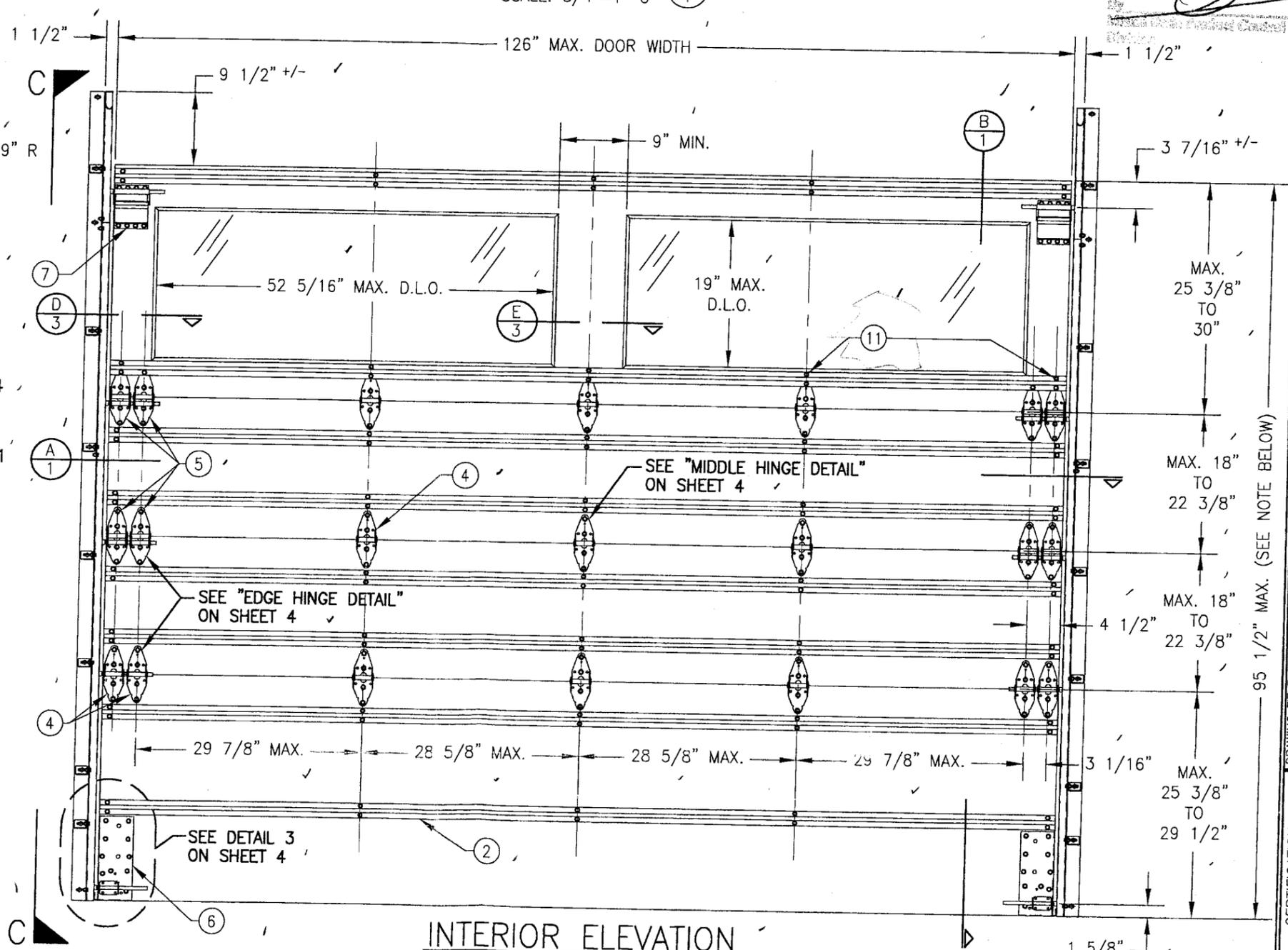
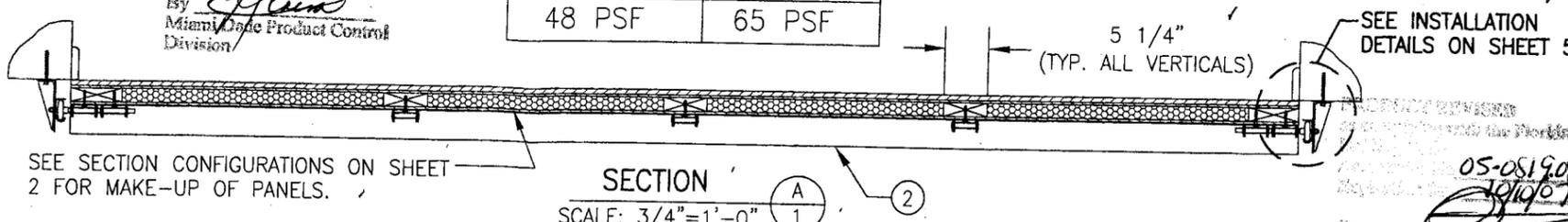
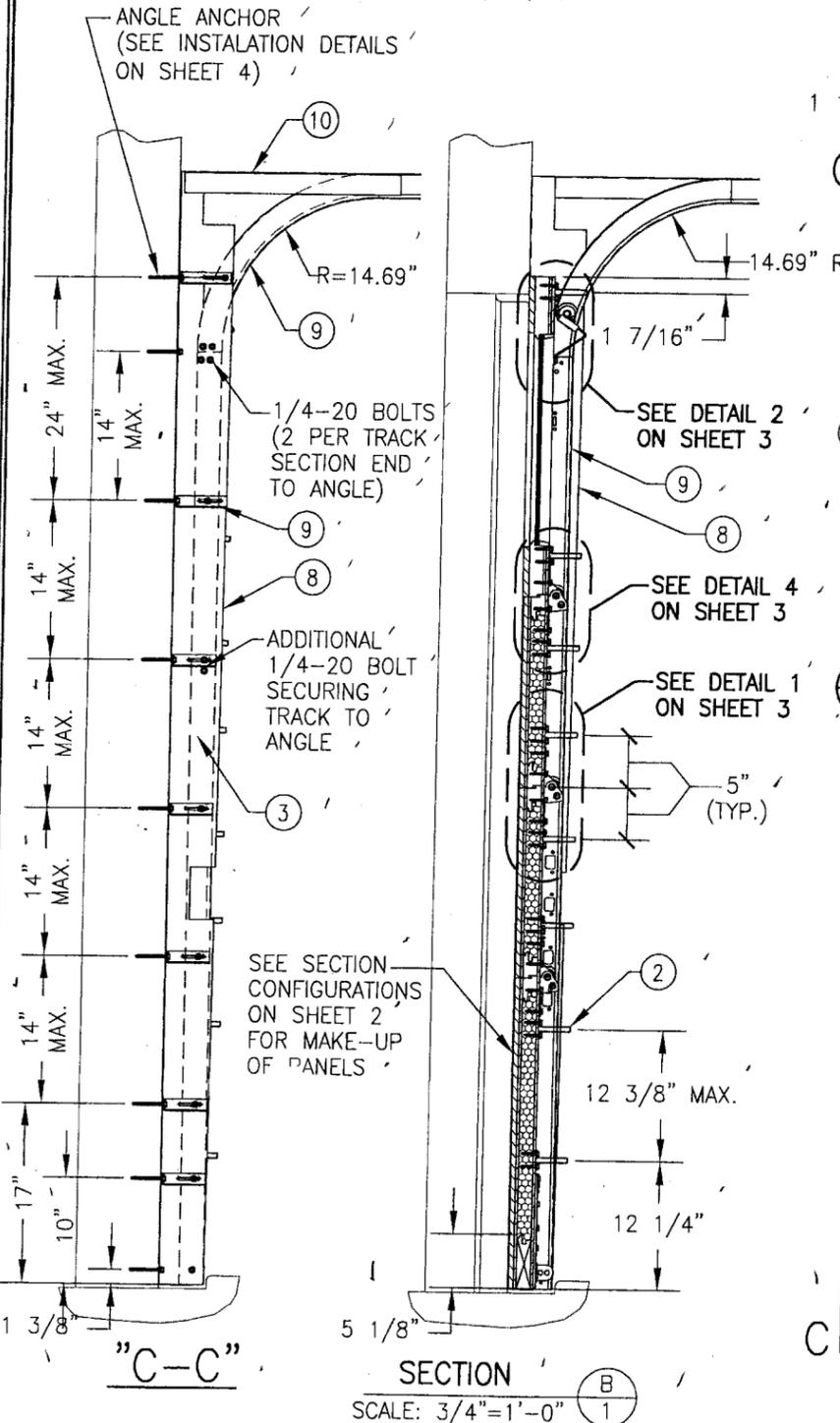
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 07-0801.07
Expiration Date 10/10/2012
By *[Signature]*
Miami Code Product Control
Division

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
48 PSF	65 PSF

SEE INSTALLATION
DETAILS ON SHEET 5

DATE	08/11/05	CHECKED BY:	W.S.
BY	WWS	DATE:	07/24/02
REVISION DESCRIPTION	UPDATE TO 2004 CODE COMPLIANT		
NO.	A1		
	A2		

05-08190
10/10/07



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

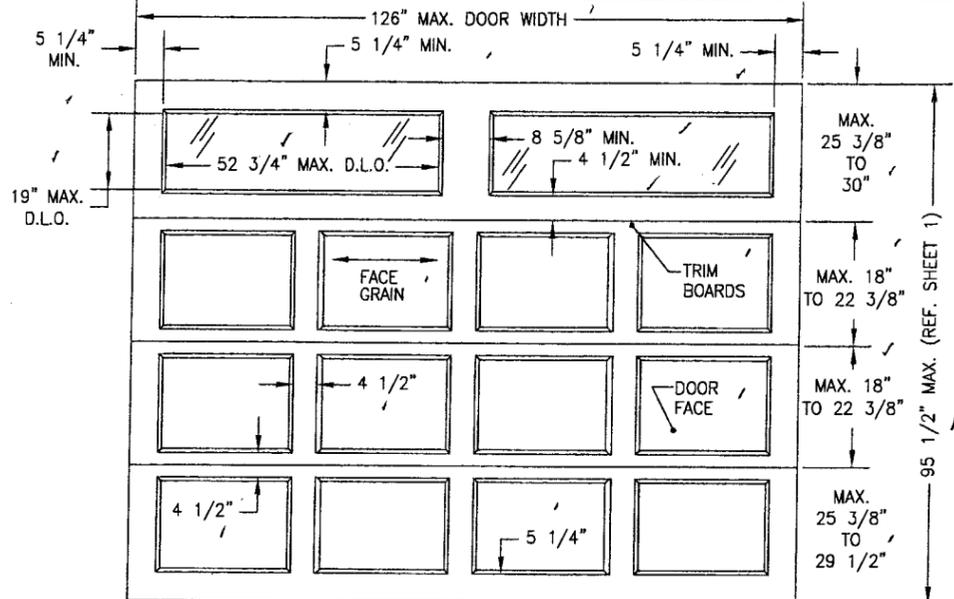
DESIGNER DOORS, INC.
183 EAST POMEROY STREET
RIVER FALLS, WI 54022
800-241-0525

MANUFACTURER

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
600 SANDTREE DRIVE, SUITE 203B
PALM BEACH GARDENS, FL 33403
PHONE: 561-775-4902 FAX: 561-775-4903

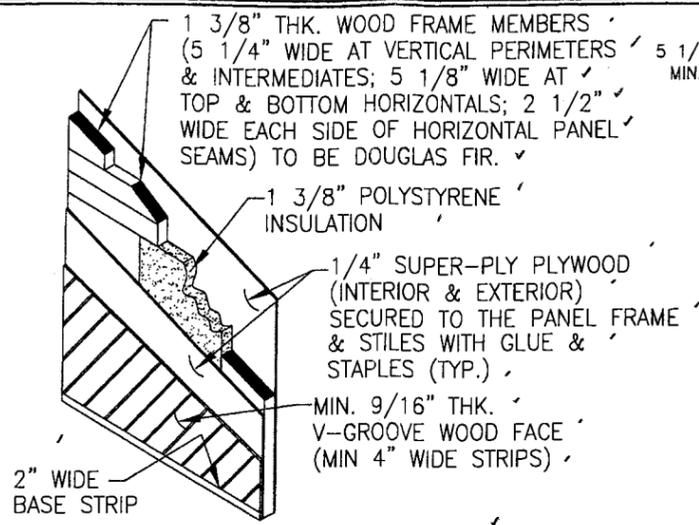
CERTIFICATION
JUL 05 2006
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1140
REV. A
SHEET NO. 1 OF 5

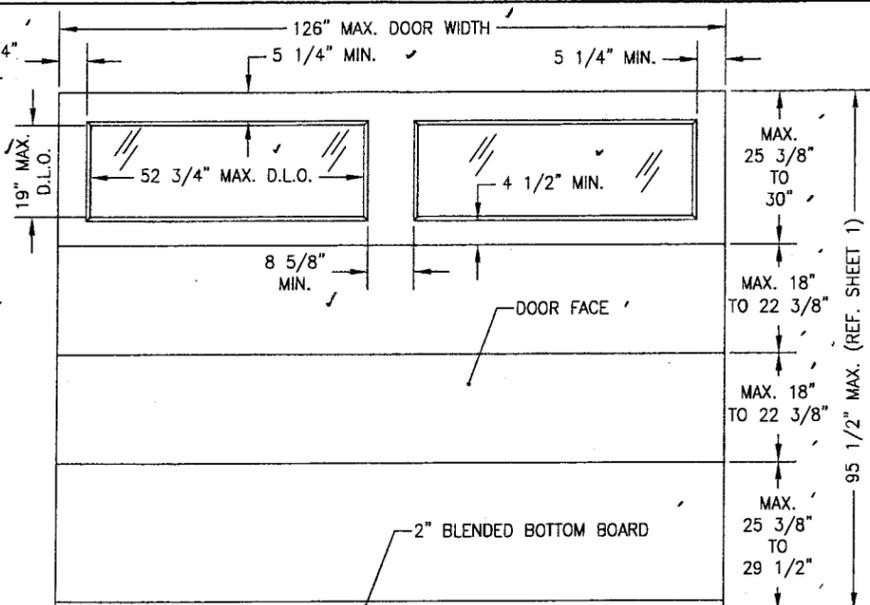


TYP. RAISED PANEL EXTERIOR ELEVATION

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

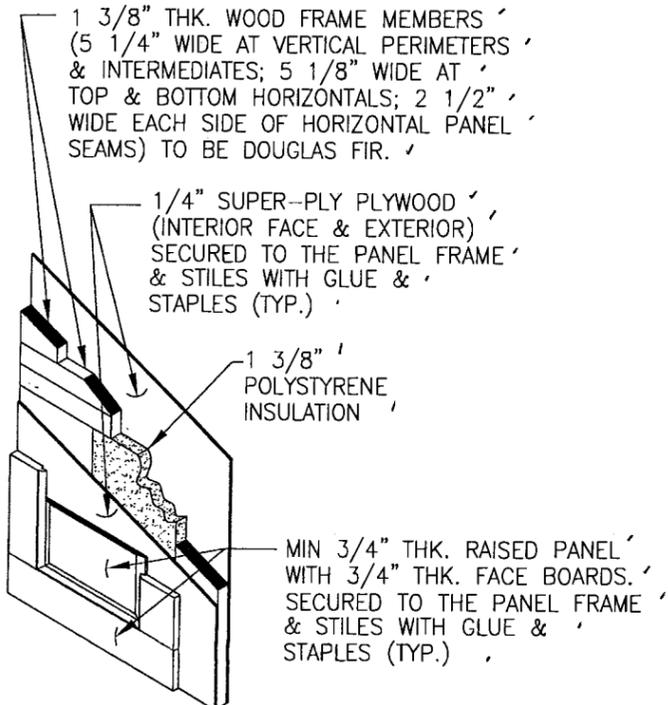


TYP. V-GROOVE PANEL
(V-GROOVE MAY RUN IN ANY DIRECTION)

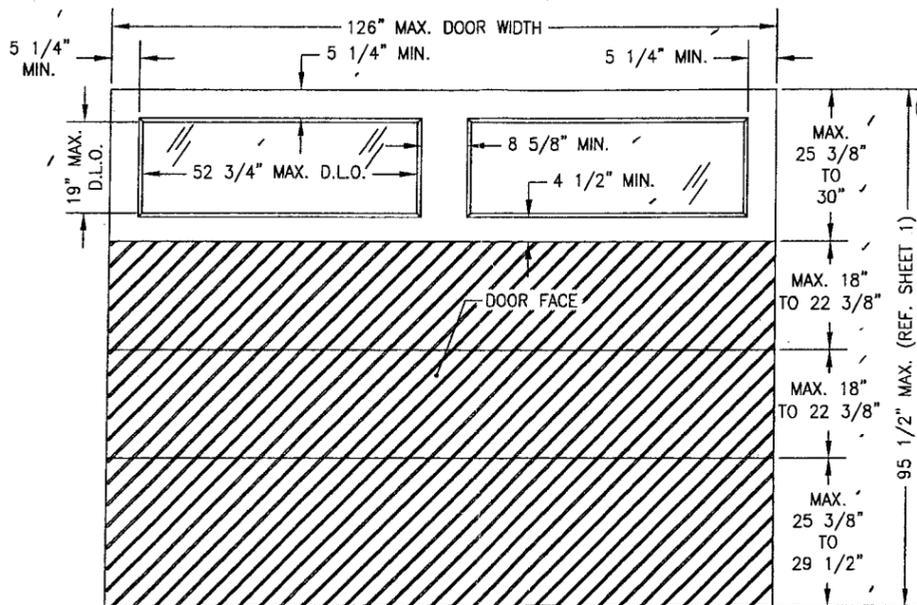


TYP. FLAT PANEL EXTERIOR ELEVATION

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

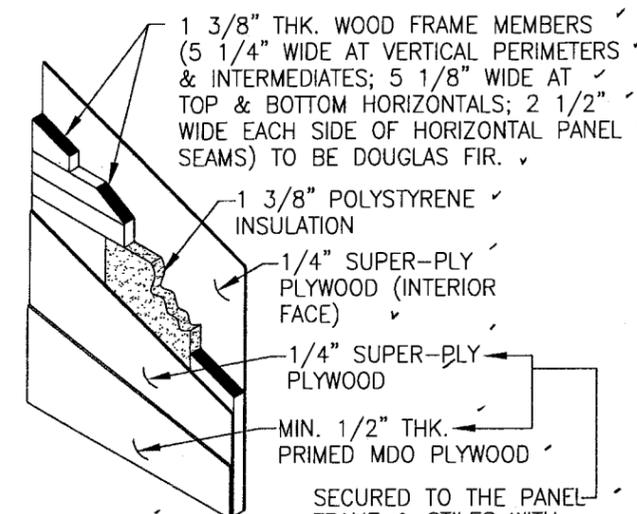


TYP. RAISED PANEL



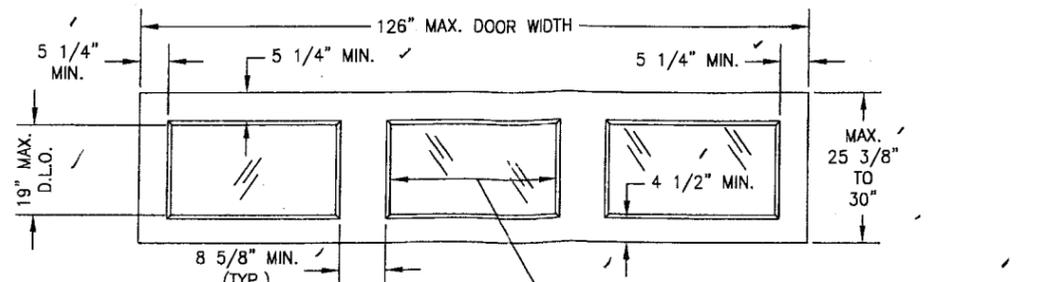
TYP. V-GROOVE PANEL EXTERIOR ELEVATION

(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.

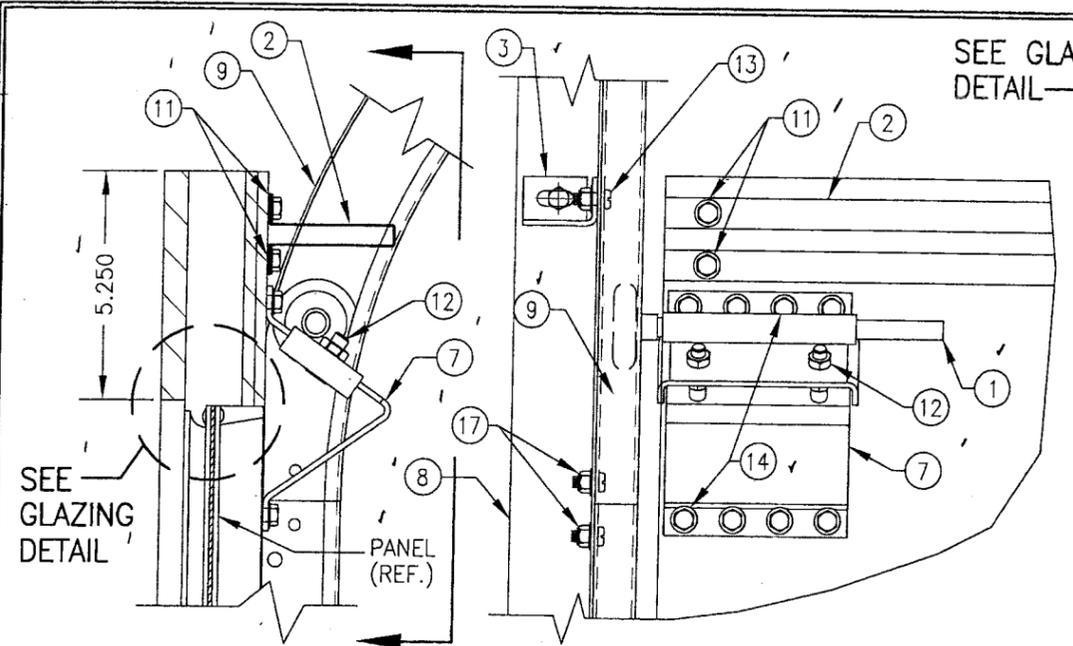
PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 07-0801.07
Expiration Date 10/10/2012

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 05-0819.08
Expiration Date 10/10/2012

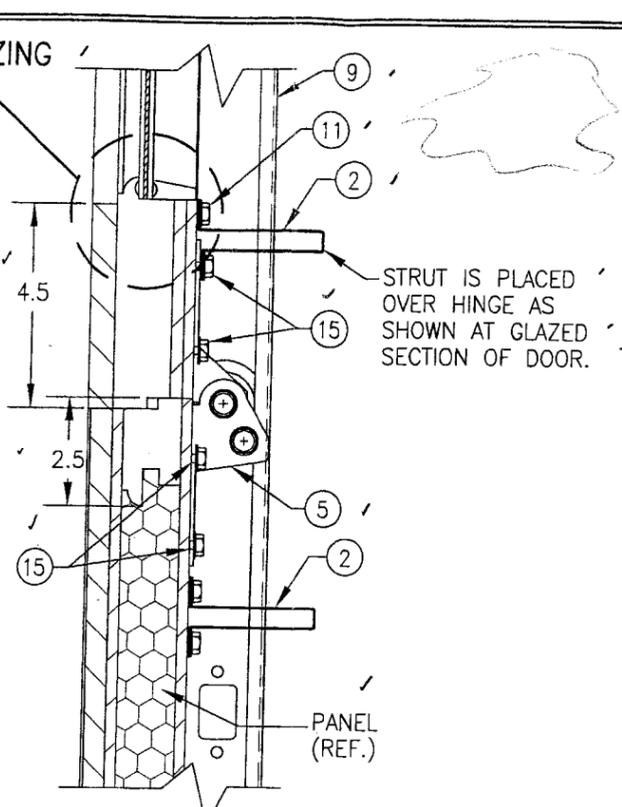
By: *[Signature]*
Miami-Dade Product Control Division

By: *[Signature]*
Miami-Dade Product Control Division

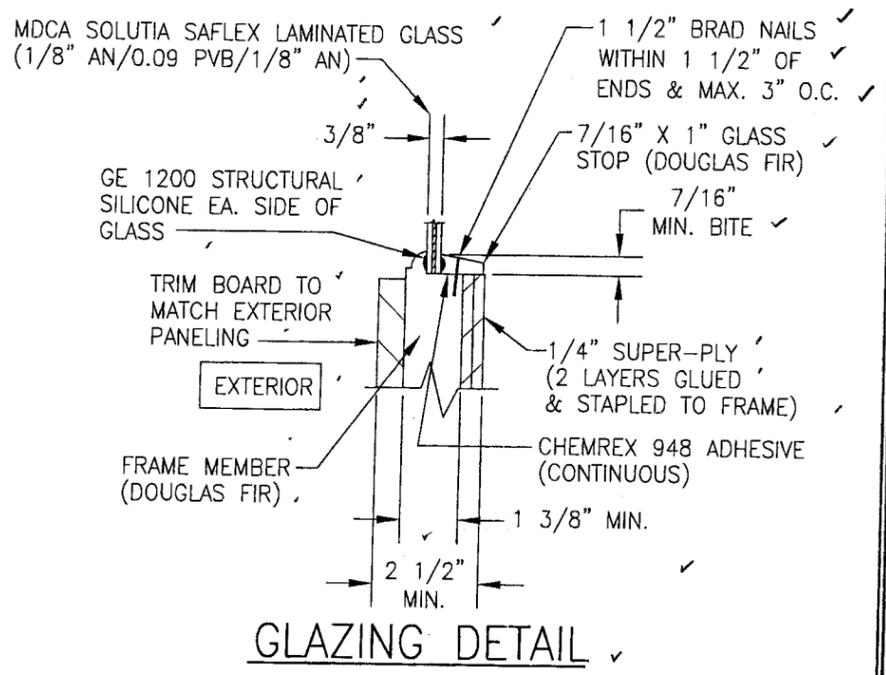
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PLOT: 1=32		DATE: 07/24/02	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: DESIGNER DOORS, INC.	
8895 N. MILITARY TRAIL, 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: JUL 05 2006			
DRAWING NO. 1140		REV. A	
SHEET NO. 2 OF 5			



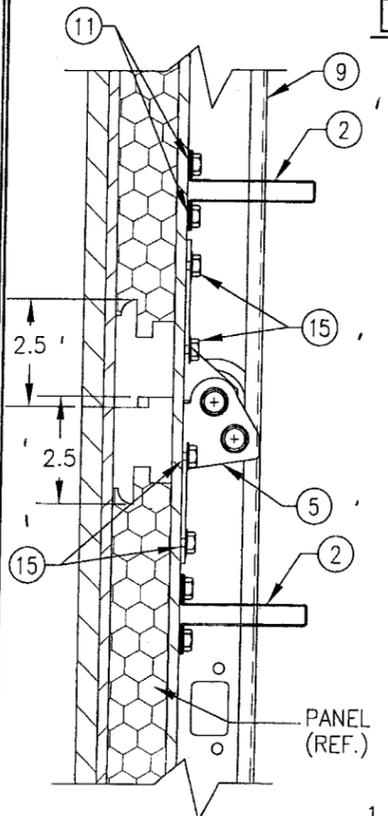
DETAIL 2



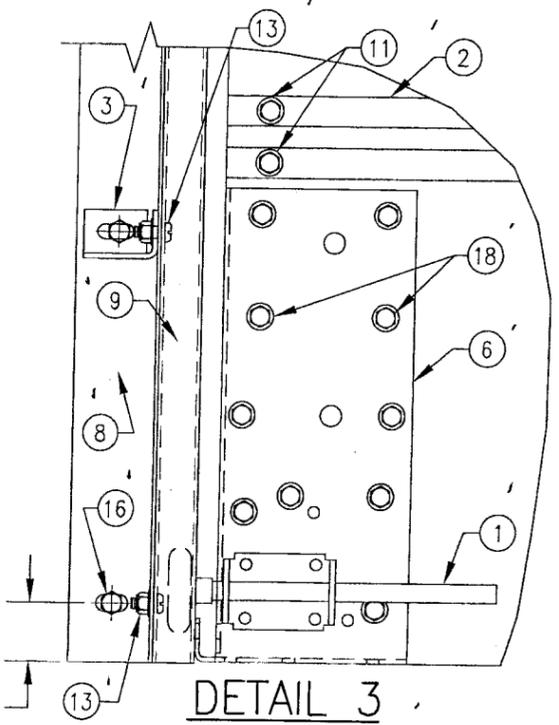
DETAIL 4



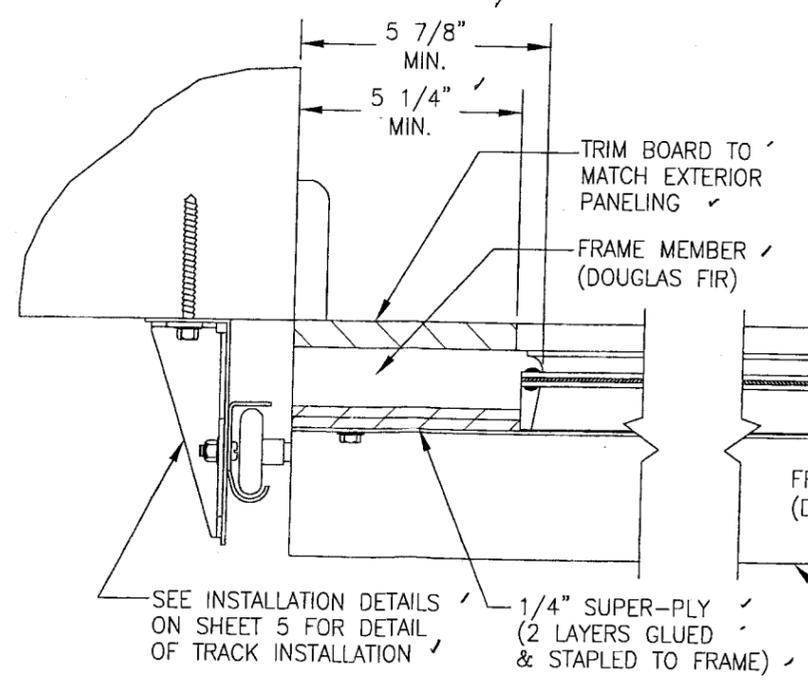
GLAZING DETAIL



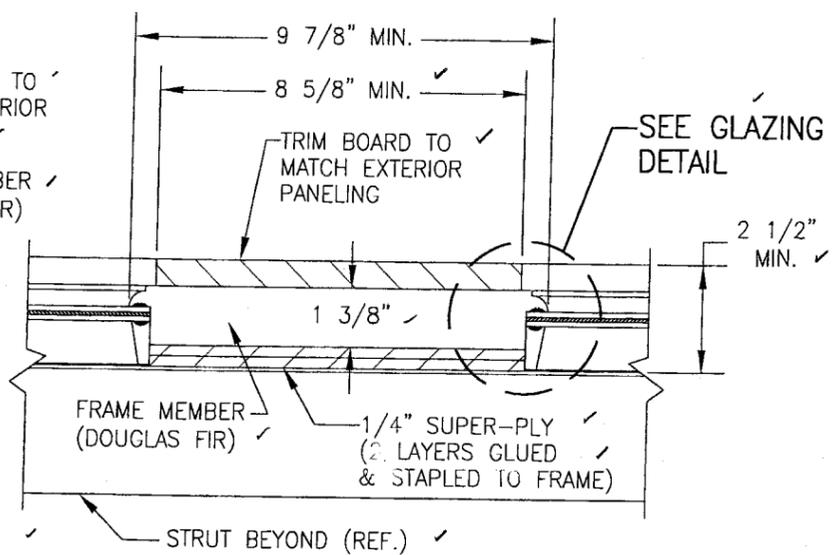
DETAIL 1



DETAIL 3



SECTION D
SCALE: 1/4 FULL



SECTION E
SCALE: 1/4 FULL

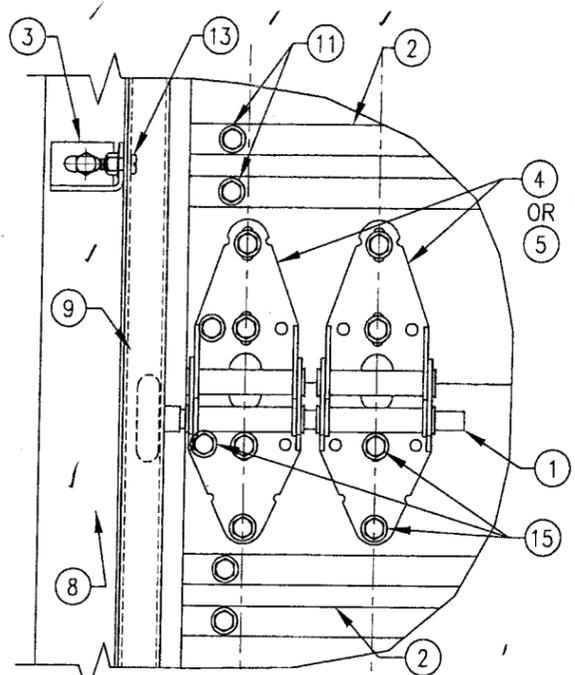
PRODUCT REVIEWED as complying with the Florida Building Code
 Acceptance No. 07-0801.07
 Expiration Date 10/10/2012
 By: [Signature]
 PRODUCT REVIEWED as complying with the Florida Building Code
 Acceptance No. 05-0819.08
 Expiration Date 10/10/2012
 By: [Signature]

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

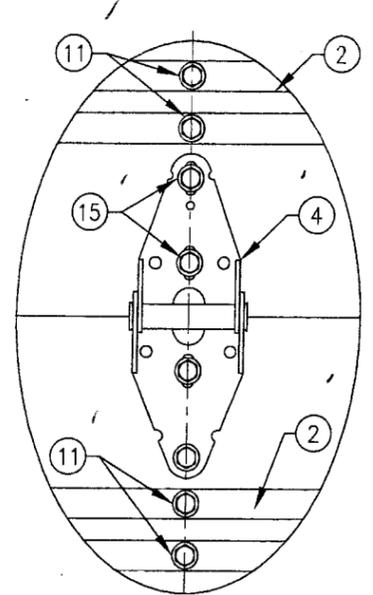
DRAWING TITLE: 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS
 MANUFACTURER: DESIGNER DOORS, INC.
 183 EAST POMEROY STREET
 RIVER FALLS, WI 54022
 800-241-0525

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

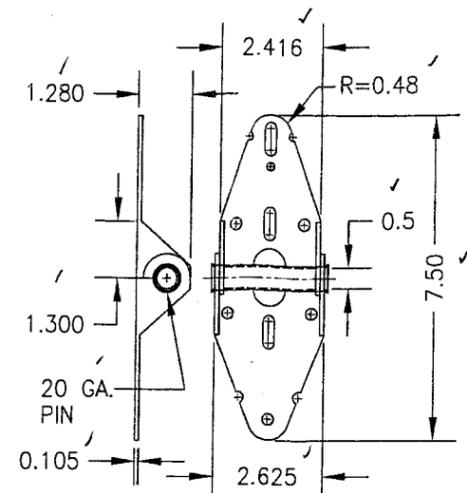
CERTIFICATION: JUL 05 2006
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135
 DRAWING NO. 1140
 REV. A
 SHEET NO. 3 OF 5



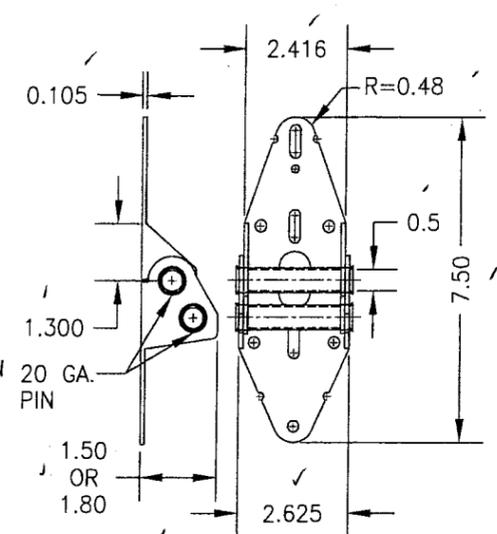
EDGE HINGE DETAIL



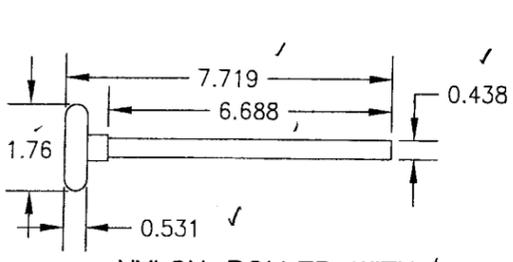
MIDDLE HINGE DETAIL



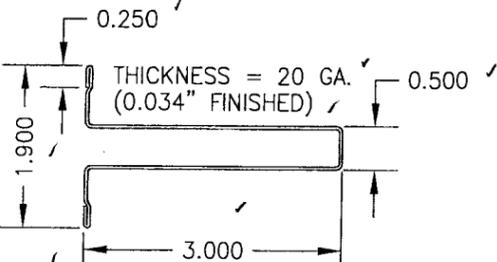
4 SINGLE PIN HINGE



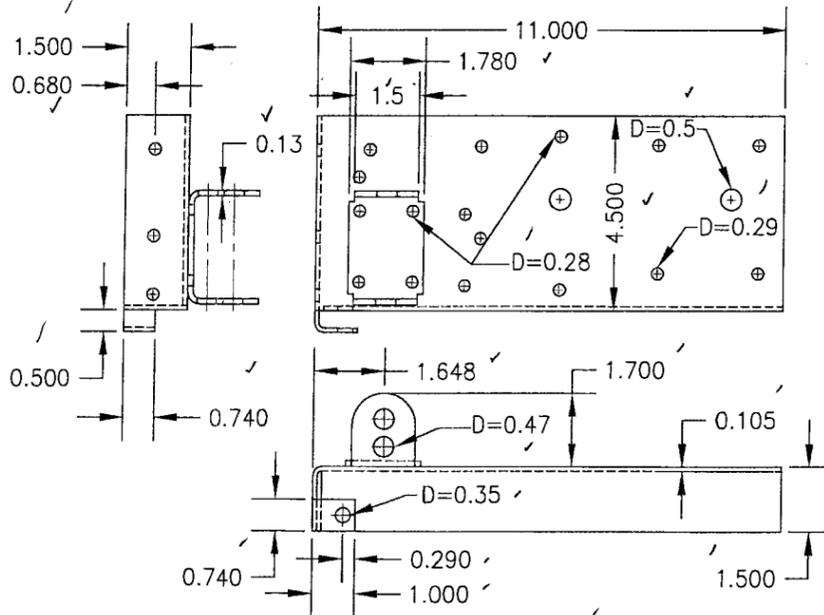
5 DOUBLE PIN HINGE



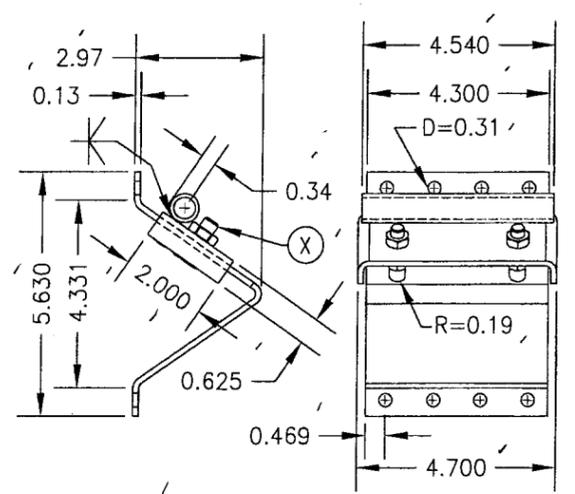
1 NYLON ROLLER WITH AISI STEEL ROD



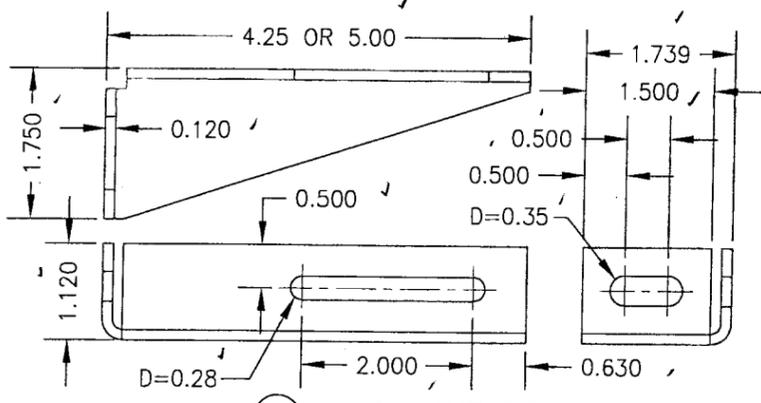
2 3" REINFORCING STRUT



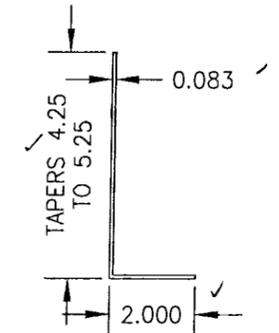
6 BOTTOM CABLE BRACKET



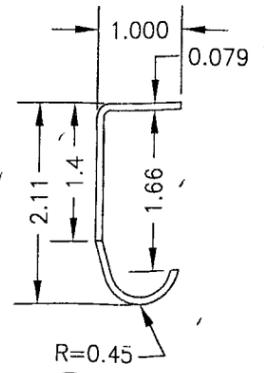
7 ADJUSTABLE TOP BRACKET



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

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

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 07-0901.07
Expiration Date 10/10/2012

By: [Signature]
Miami Wind Product Control Division

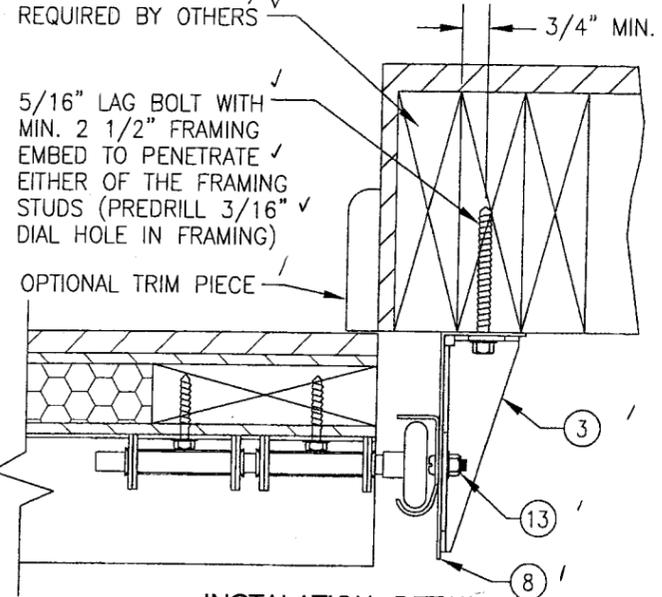
05-0819.08
10/10/02

CERTIFICATION	JUL 05 2006	WAGREN W. SCHAEFER, P.E. P.E. NO. 44735
DRAWING NO.	1140	REV. A
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" DIAL HOLE IN FRAMING)

OPTIONAL TRIM PIECE



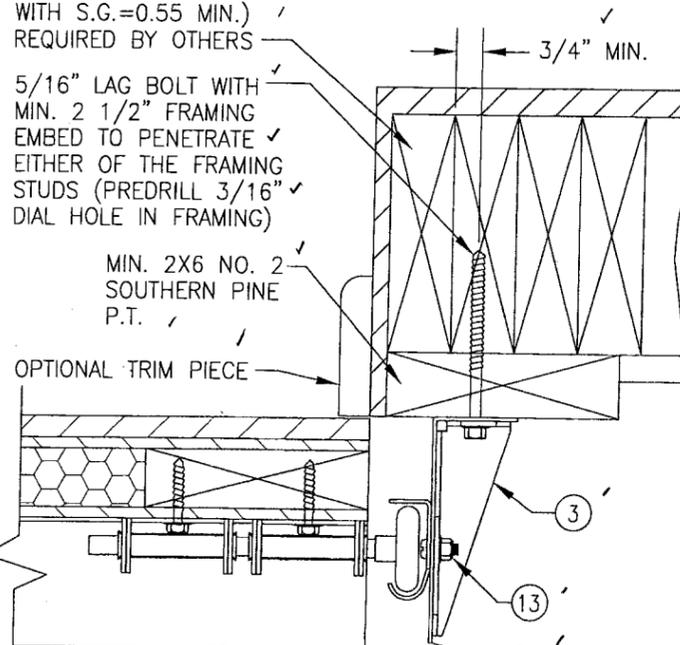
INSTALLATION DETAIL DIRECT TO WOOD FRAMING

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" DIAL HOLE IN FRAMING)

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

OPTIONAL TRIM PIECE

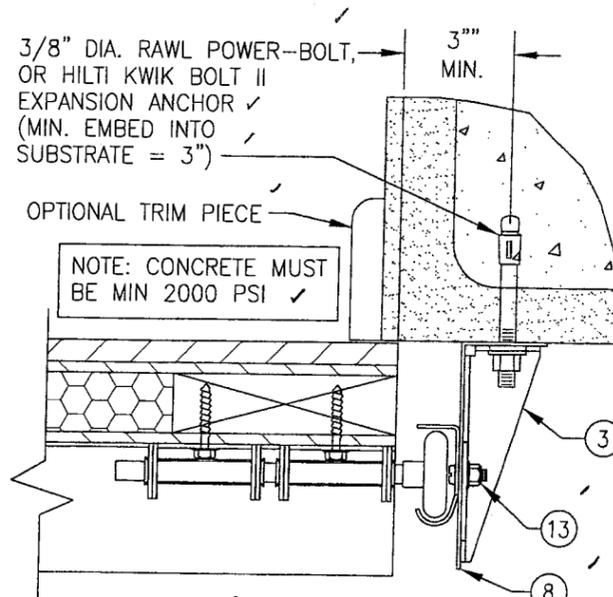


INSTALLATION DETAIL SHIMMED TO WOOD FRAMING

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



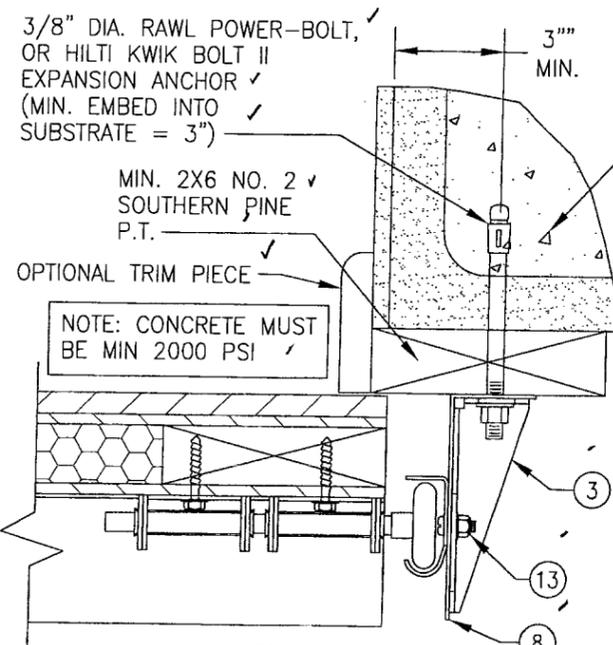
INSTALLATION DETAIL DIRECT TO FILLED BLOCK OR SOLID CONCRETE

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



INSTALLATION DETAIL SHIMMED TO FILLED BLOCK OR SOLID CONCRETE

C90 CONCRETE BLOCK WITH MIN. 2000 PSI GROUTED CELLS OR MIN. 2500 PSI 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 WITH ALL TEST SPECIMEN WAS NO. 3 WESTERN CEDAR. OTHER WOODS APPLICABLE FOR USE WITH THESE DOORS IS MIN. NO. 3 OAK, CHERRY, MAHOGANY, POPLAR, YELLOW PINE, REDWOOD, SPRUCE, FIR, MAPLE, DOUGLAS FIR, BIRCH, TEAK, HICKORY & CYPRUS OR NO. 2 ASPEN, WESTERN PINE, EASTERN PINE AND PONDEROSA PINE.
- 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 REVIEWED as complying with the Florida Building Code
 Acceptance No. 07-0891.07
 Expiration Date 10/10/2012
 Miami Dade Product Council Division

PROJECT NO. 05-0819.08
 DATE 10/10/07
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

CERTIFICATION
 JUL 05 2006

DRAWING NO. 1140
 SHEET NO. 5 OF 5

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

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
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 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

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