



**MIAMI-DADE COUNTY**  
**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](http://www.miamidade.gov)

**Designer Doors, Inc.**  
**702 Troy Street**  
**River Falls, 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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: 10'-6" Wide Hurricane Impact Wood Garage Doors**

**APPROVAL DOCUMENT:** Drawing No. 1077, titled "10'-6" Wide Hurricane Impact Wood Garage Doors", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated May 24, 2002, last revision #A2 dated August 11, 2005, 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**

**LABELING:** Each door shall bear a permanent label with the manufacturer's name or logo, city, state and the 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 #05-0819.09** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
 08/09/2007

NOA No. 07-0424.11  
 Expiration Date: 07/04/2012  
 Approval Date: 08/09/2007

**Designer Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-1214.01**

**A. DRAWINGS**

1. *Drawing No. 1077, titled "10'-6" Wide Hurricane Impact Wood Garage Doors", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated May 24, 2002, signed and sealed by Warren W. Schaefer, P.E.*

**B. TESTS**

1. *Test reports on 1) Uniform Static Air Pressure Test, per FBC TSA 202-94, 2) Large Missile Impact Test per FBC, TSA 201-94, 3) Cyclic Wind Pressure Loading per FBC, TSA 203-94 along with marked-up drawings and installation diagram of Garage Doors, prepared by Architectural Testing, Test Report No. 02-33027.01, dated October 10, 2001, signed and sealed by Allen N. Reeves, P.E.*
2. *Addendum for test report #02-33027.01, prepared by Architectural Testing, dated May 31, 2002, signed and sealed by Allen N. Reeves, P.E.*

**C. CALCULATIONS**

1. *Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated December 06, 2001, signed and sealed by Warren W. Schaefer, P.E.*

**D. MATERIAL CERTIFICATIONS**

1. *UL Listing for Foam Plastic, report # R13184.*

**E. STATEMENTS**

1. *Statement letter of conformance, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated December 06, 2001, signed and sealed by Warren W. Schaefer, P.E.*
2. *Statement letter of no financial interest, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated December 06, 2001, signed and sealed by Warren W. Schaefer, P.E.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #05-0819.09**

**A. DRAWINGS**

1. *Drawing No. 1077, titled "10'-6" Wide Hurricane Impact Wood Garage Doors", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated May 24, 2002, last revision #A2 dated August 11, 2005, signed and sealed by Warren W. Schaefer, P.E.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *Anchor Calculations, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated August 11, 2005, signed and sealed by Warren W. Schaefer, P.E.*



Helmy A. Makar, P.E., M.S.  
Product Control Examiner  
NOA No. 07-0424.11  
Expiration Date: 07/04/2012  
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**Designer Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. OTHERS**

1. *Florida Building Code Compliance Letter from W.W. Schaefer Engineering & Consulting, P.A., dated 08/11/2005, signed and sealed by Warren W. Schaefer, P.E.*

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

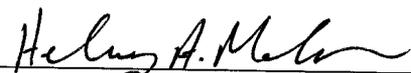
1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. OTHERS**

1. *Florida Building Code, 2004, Compliance Letter from W.W. Schaefer Engineering & Consulting, P.A., dated February 23, 2007, signed and sealed by Warren W. Schaefer, P.E.*



**Helmy A. Makar, P.E., M.S.**

**Product Control Examiner**

**NOA No. 07-0424.11**

**Expiration Date: 07/04/2012**

**Approval Date: 08/09/2007**

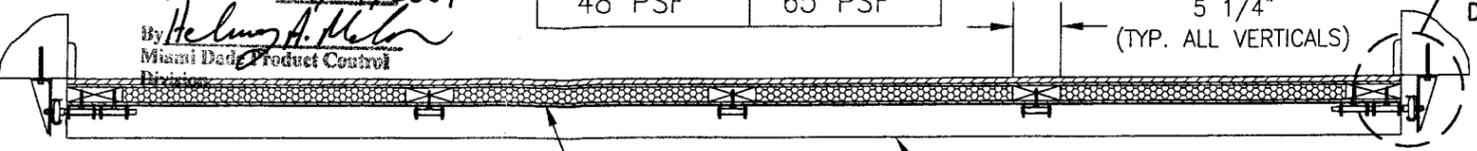
**GENERAL NOTES**

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 REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 05-0819.09  
 Expiration Date 07/04/2007  
 By Helmut H. Miller  
 Miami Dade Product Control  
 Division

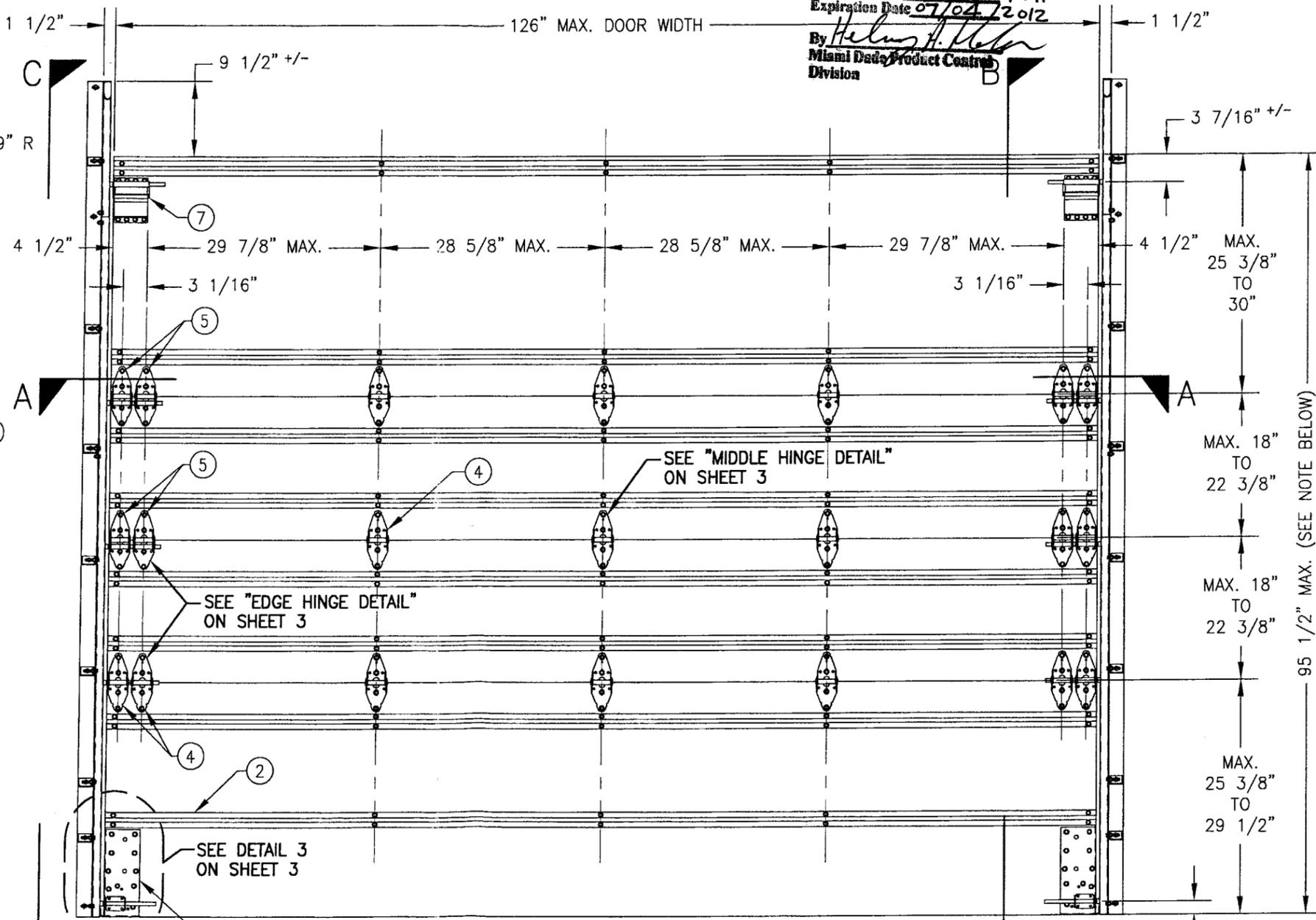
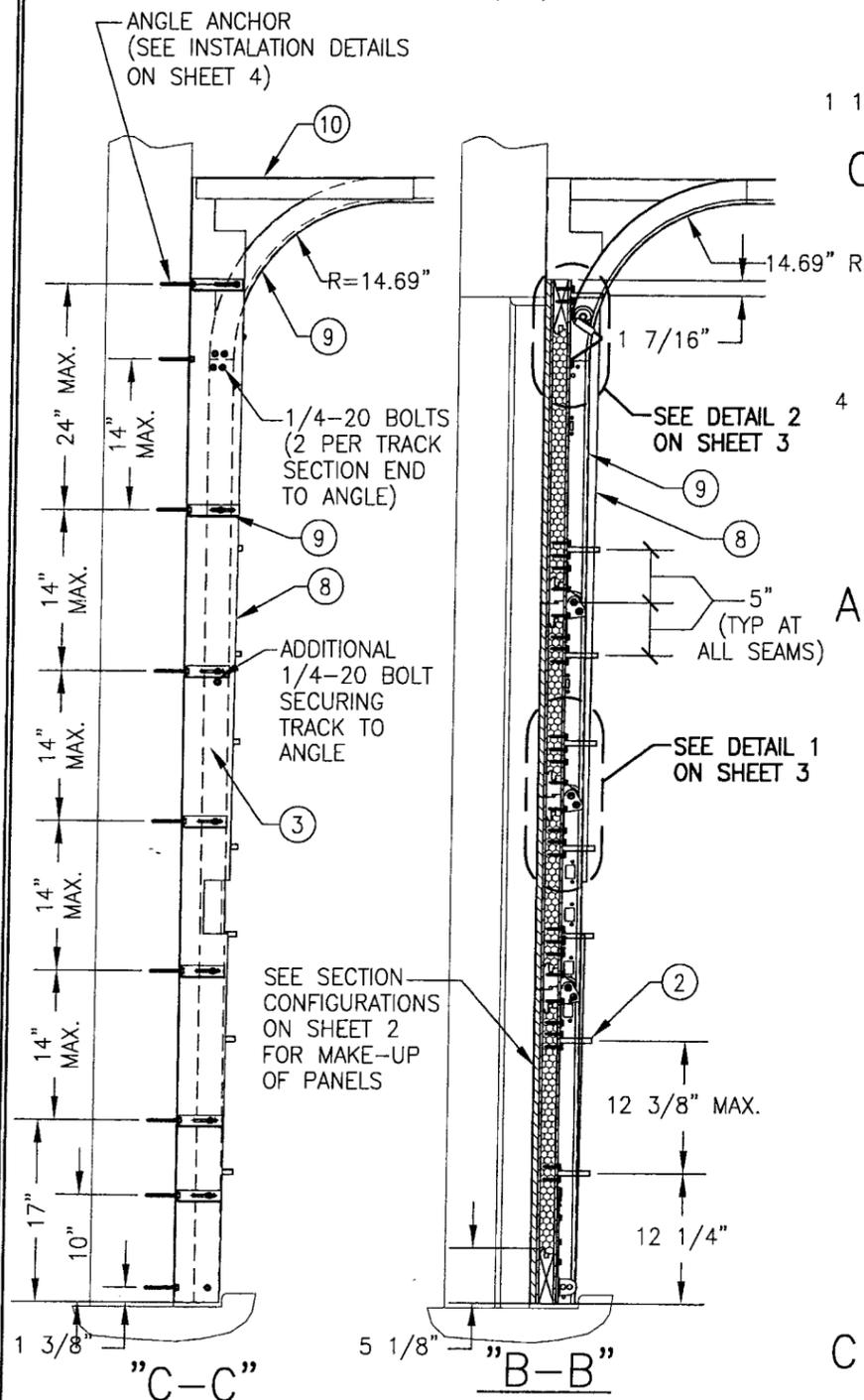
ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
48 PSF	65 PSF

SEE INSTALLATION  
 DETAILS ON SHEET 4



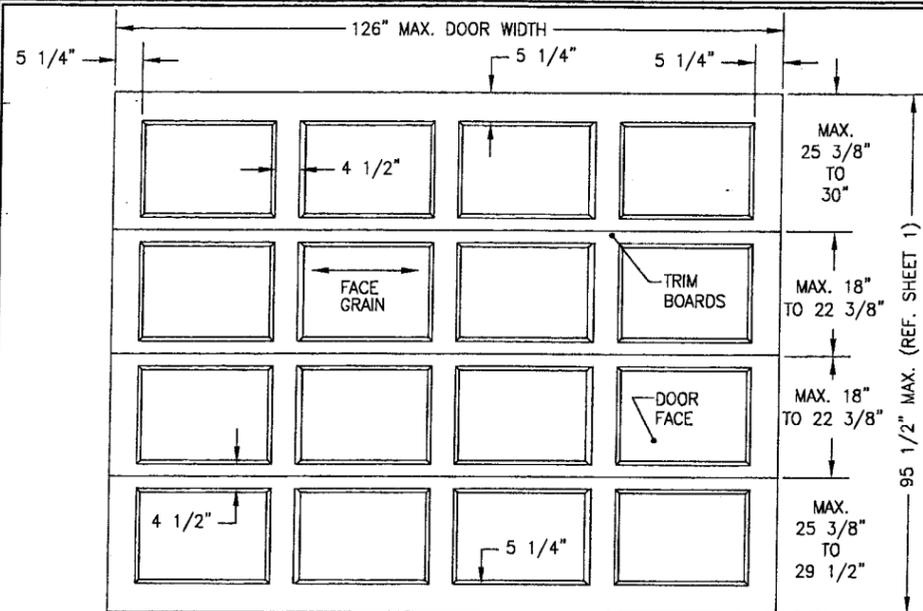
SEE SECTION CONFIGURATIONS ON SHEET 2 FOR MAKE-UP OF PANELS.

**PRODUCT RENEWED**  
 as complying with the Florida  
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 Miami Dade Product Control  
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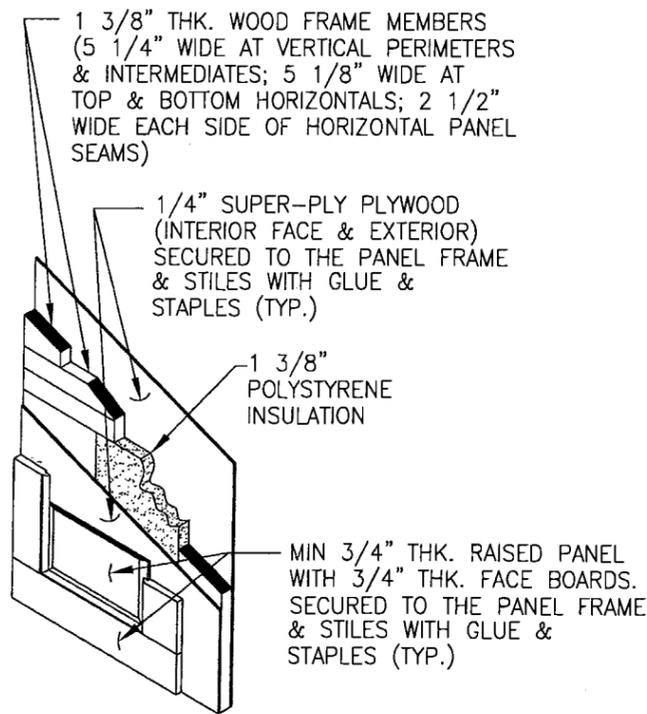


NOTE: DOOR HEIGHT MAY BE INCREASED BY UP TO 22 3/8" INCREMENTS PROVIDING ADDITIONAL CENTER PANEL(S) IS PLACED.

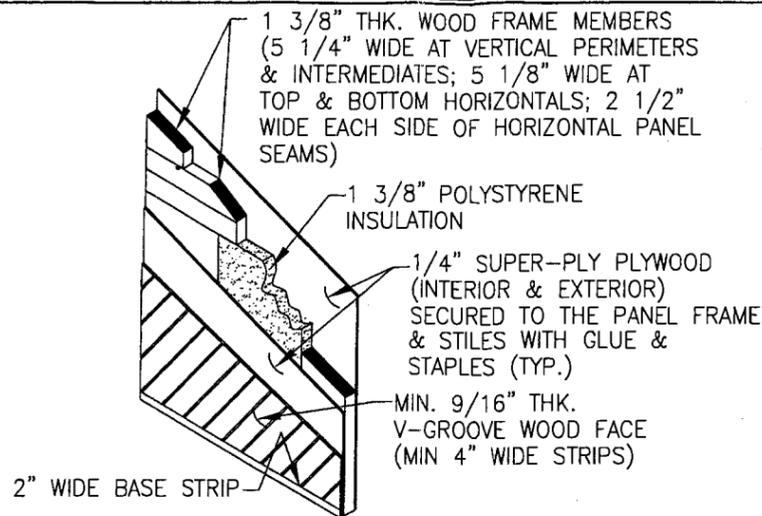
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 05/24/02
DATE 08/11/05	BY WWS
REVISION DESCRIPTION UPDATE TO 2004 CODE COMPLIANT	DATE 08/11/05
NO. A1	BY WWS
A2	DATE
DRAWING TITLE <b>10'-6" WIDE HURRICANE IMPACT WOOD GARAGE DOORS</b>	
MANUFACTURER <b>DESIGNER DOORS, INC.</b> 183 EAST POMEROY STREET RIVER FALLS, WI 54022 800-241-0525	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION <b>AUG 11 2005</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1077</b>	REV. <b>A</b>
SHEET NO. <b>1 OF 4</b>	



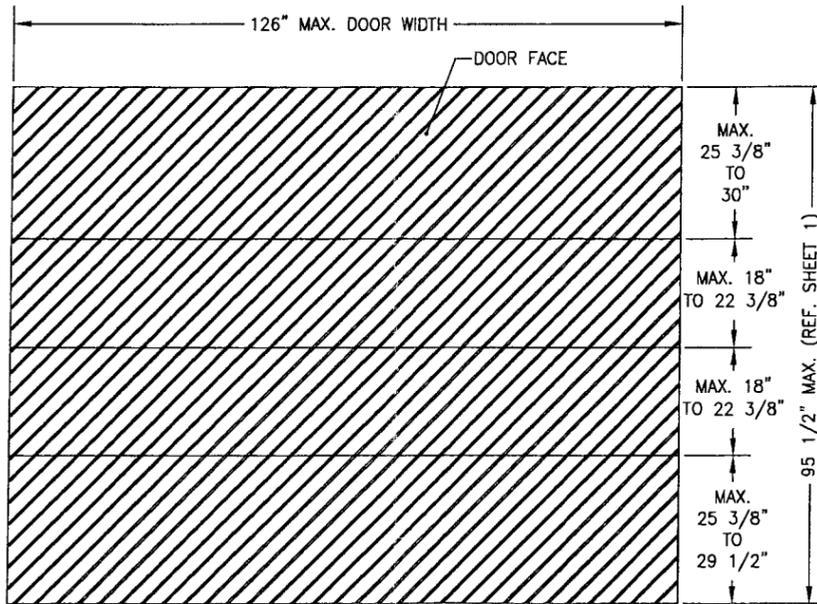
**TYP. RAISED PANEL EXTERIOR ELEVATION**



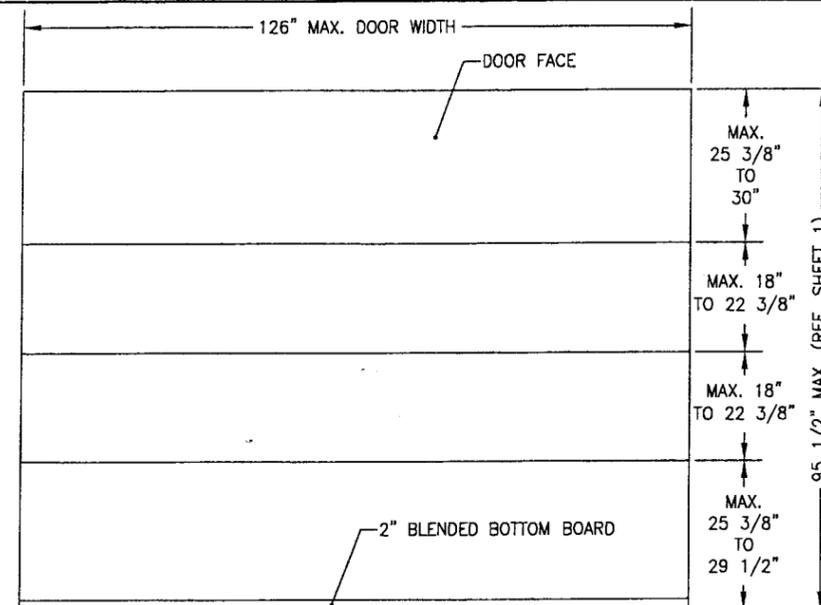
**TYP. RAISED PANEL**



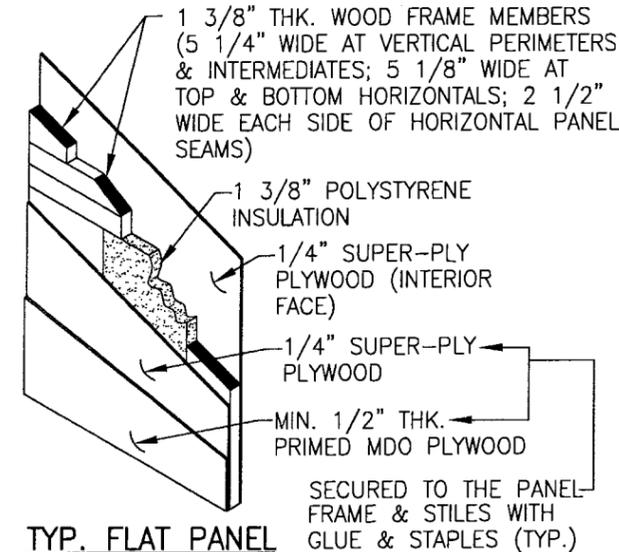
**TYP. V-GROOVE PANEL**  
(V-GROOVE MAY RUN IN ANY DIRECTION)



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



**TYP. FLAT PANEL EXTERIOR ELEVATION**

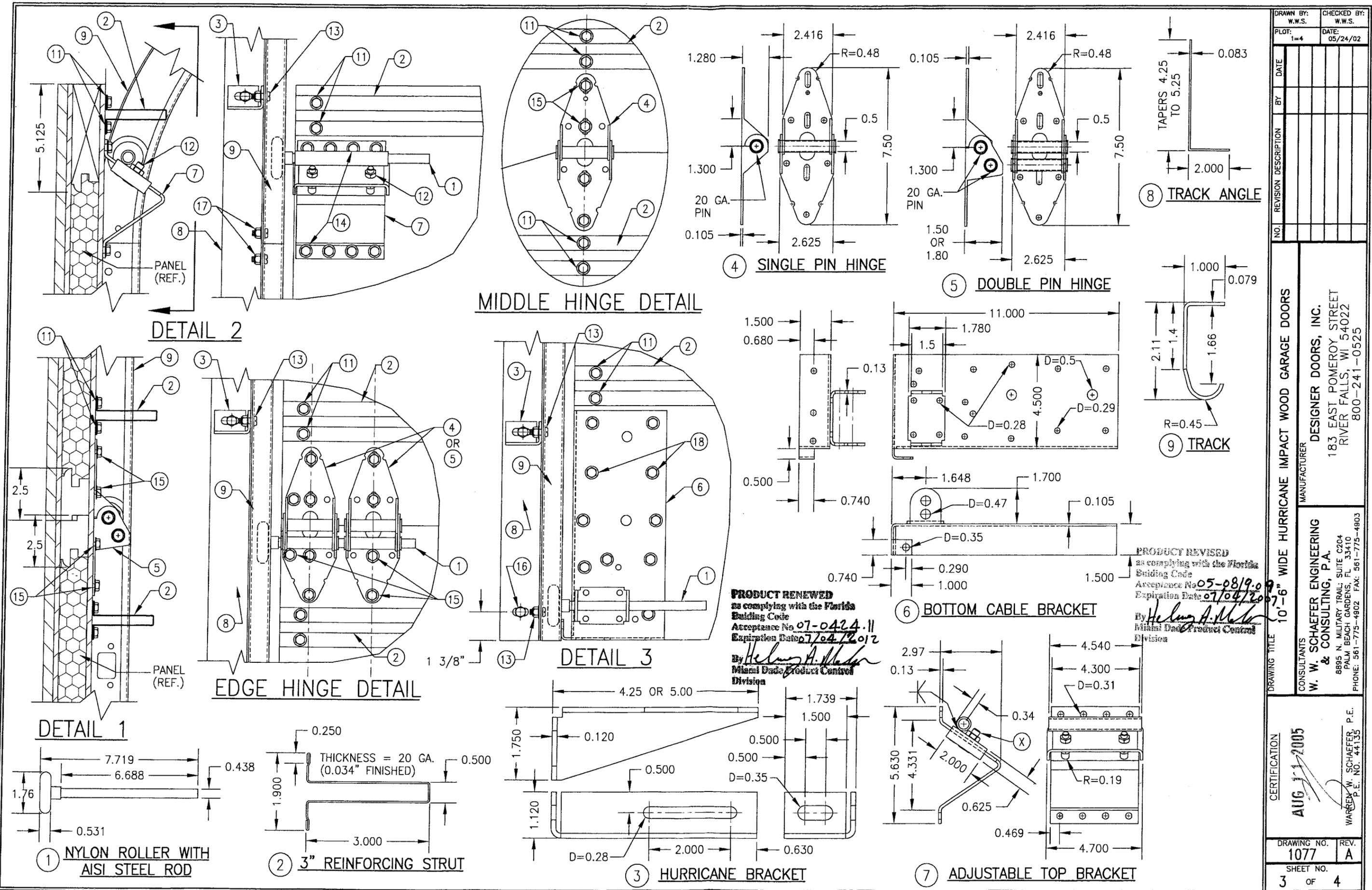


**TYP. FLAT PANEL**

**PRODUCT RENEWED**  
as complying with the Florida  
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Acceptance No 07-0424.11  
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By *Helmut A. Miller*  
Miami Dade Product Control  
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By *Helmut A. Miller*  
Miami Dade Product Control  
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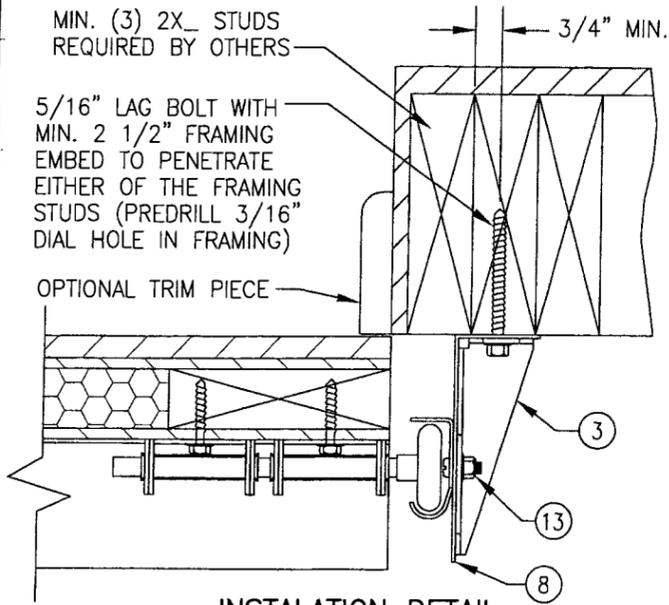
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PLOT: 1-32		DATE: 05/24/02	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>10'-6" WIDE HURRICANE IMPACT WOOD GARAGE DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER <b>DESIGNER DOORS, INC.</b> 183 EAST POMEROY STREET RIVER FALLS, WI 54022 800-241-0525	
CERTIFICATION <b>AUG 11 2005</b> <i>Warren W. Schaefer, P.E.</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. <b>1077</b>		REV. <b>A</b>	
SHEET NO. <b>2 OF 4</b>			



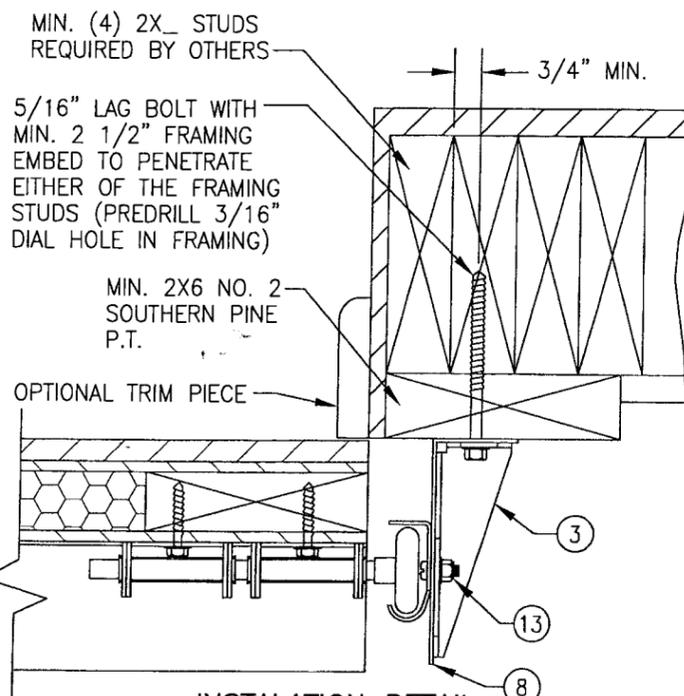
**PRODUCT RENEWED**  
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 Expiration Date 07/04/2012  
 By Helmut A. Mehnert  
 Miami Dade Product Control  
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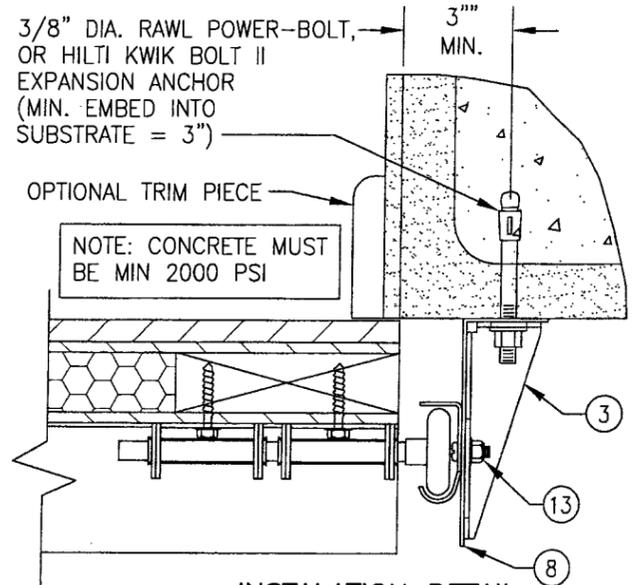
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=4	DATE: 05/24/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 10'-6" WIDE HURRICANE IMPACT WOOD GARAGE DOORS	
MANUFACTURER DESIGNER DOORS, INC. 183 EAST POMEROY STREET RIVER FALLS, WI 54022 800-241-0525	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION AUG 11 2005 WALTER W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1077	REV. A
SHEET NO. 3 OF 4	



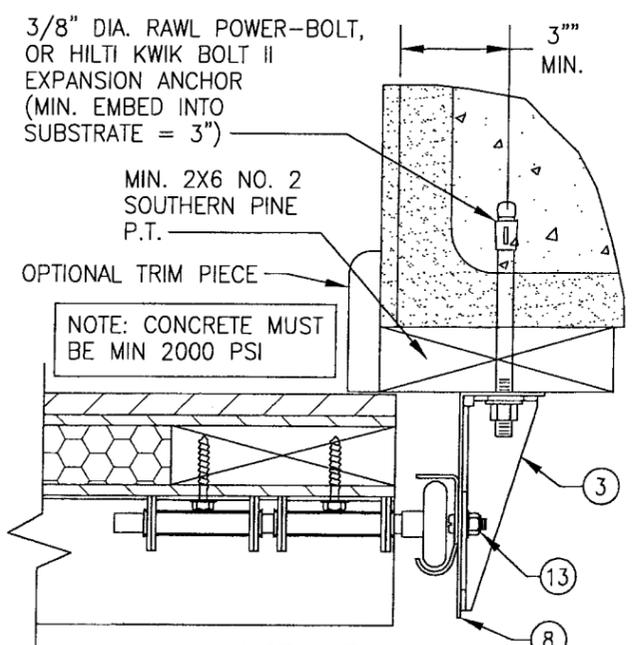
**INSTALLATION DETAIL  
DIRECT TO WOOD FRAMING**



**INSTALLATION DETAIL  
SHIMMED TO WOOD FRAMING**



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



**INSTALLATION 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	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 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 1 1/2" 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 RENEWED**  
as complying with the Florida  
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By *Helmut A. Meier*  
Miami Dept. Product Control  
Division

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Miami Dept. Product Control  
Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-4		DATE: 05/24/02	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE <b>10'-6" WIDE HURRICANE IMPACT WOOD GARAGE DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>		MANUFACTURER <b>DESIGNER DOORS, INC.</b>	
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 <b>AUG 1 2005</b>		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1077</b>		REV. <b>A</b>	
SHEET NO. <b>4 OF 4</b>			