



**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)

**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 High Velocity Hurricane Zone of the Florida Building Code.

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, signed and sealed by Warren Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

**NOA No 02-0807.01
Expiration Date: October 10, 2007
Approval Date: October 10, 2002**

Page 1

Designer Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

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, signed and sealed by Warren Schaefer, P.E.

B. TESTS

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. 02-033027.01, dated 7/11/01, 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 7/11/01, signed and sealed by Steven Urich, P.E.

C. CALCULATIONS

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. MATERIAL CERTIFICATIONS

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.

E. STATEMENTS

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.

F. OTHER

1. Letter from Pistorino & Alam Consulting Engineers, Inc.


Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 02-0807.01

Expiration Date: October 10, 2007

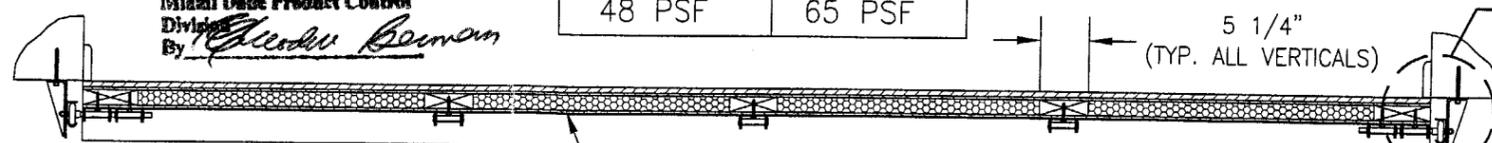
Approval Date: October 10, 2002

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 FLORIDA BUILDING CODE (FBC).

Approved as complying with the
Florida Building Code
 Date 10/10/02
 NOAF 02-0007.01
 Miami Dade Product Control
 Division
 By [Signature]

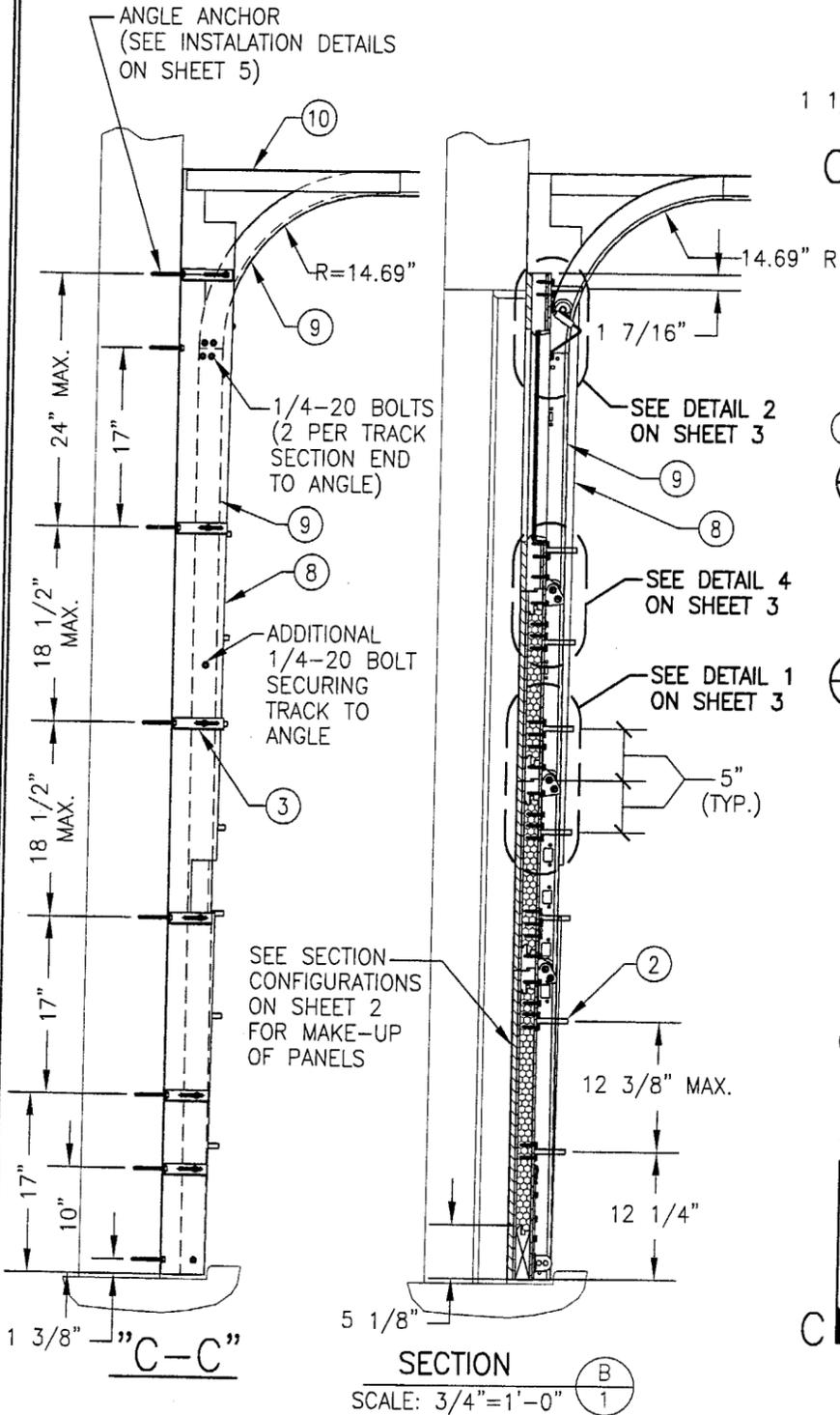
ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
48 PSF	65 PSF



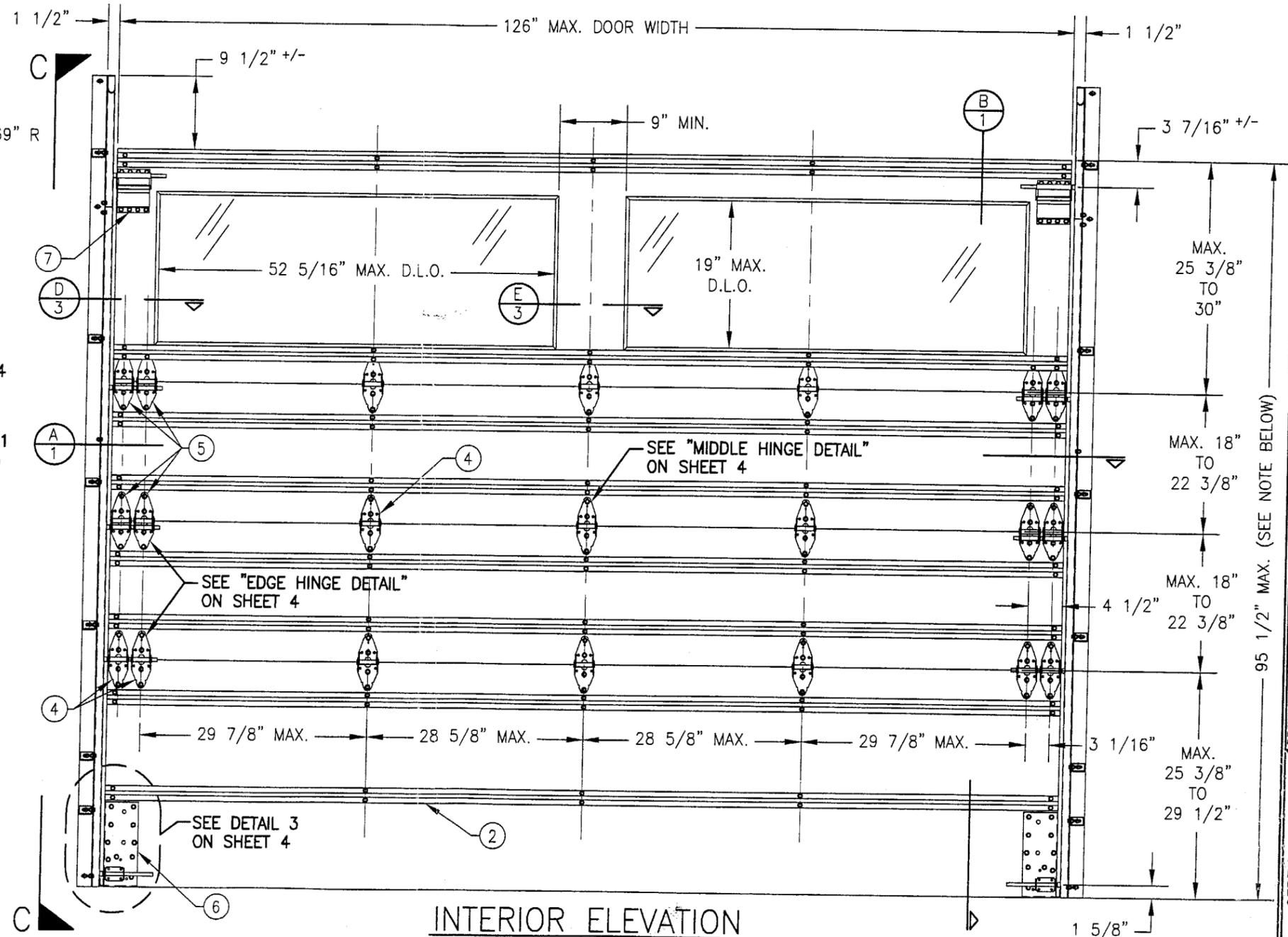
SEE SECTION CONFIGURATIONS ON SHEET 2 FOR MAKE-UP OF PANELS.

SECTION **A**
 SCALE: 3/4"=1'-0" **1**

SEE INSTALLATION DETAILS ON SHEET 5



SECTION **B**
 SCALE: 3/4"=1'-0" **1**



INTERIOR ELEVATION

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

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

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 07/24/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	

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

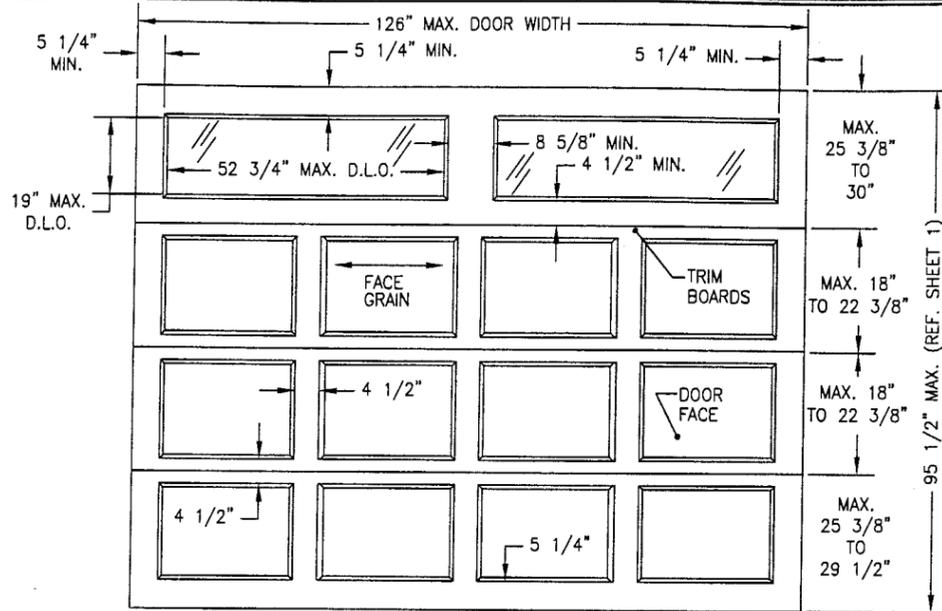
DESIGNER DOORS, INC.
 183 EAST POMEROY STREET
 RIVER FALLS, WI 54022
 800-241-0525

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

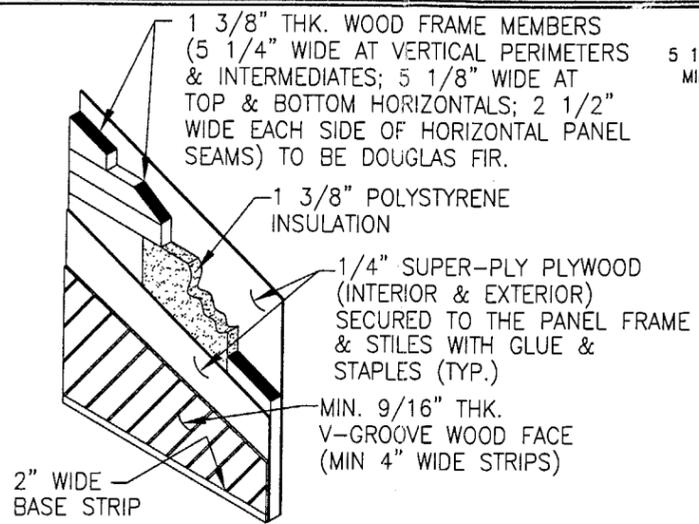
CERTIFICATION
JUL 29 2002
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

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

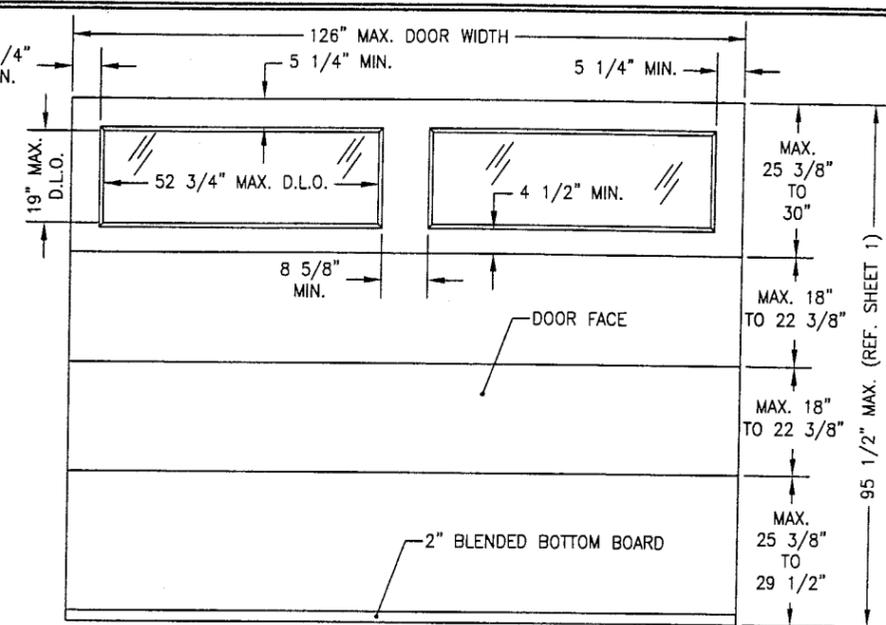


TYP. RAISED PANEL EXTERIOR ELEVATION

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

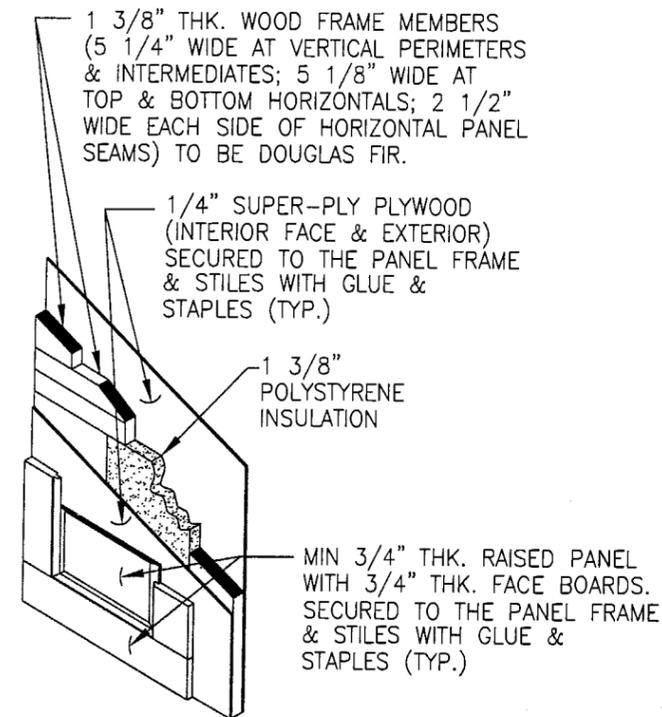


TYP. V-GROOVE PANEL
(V-GROOVE MAY RUN IN ANY DIRECTION)

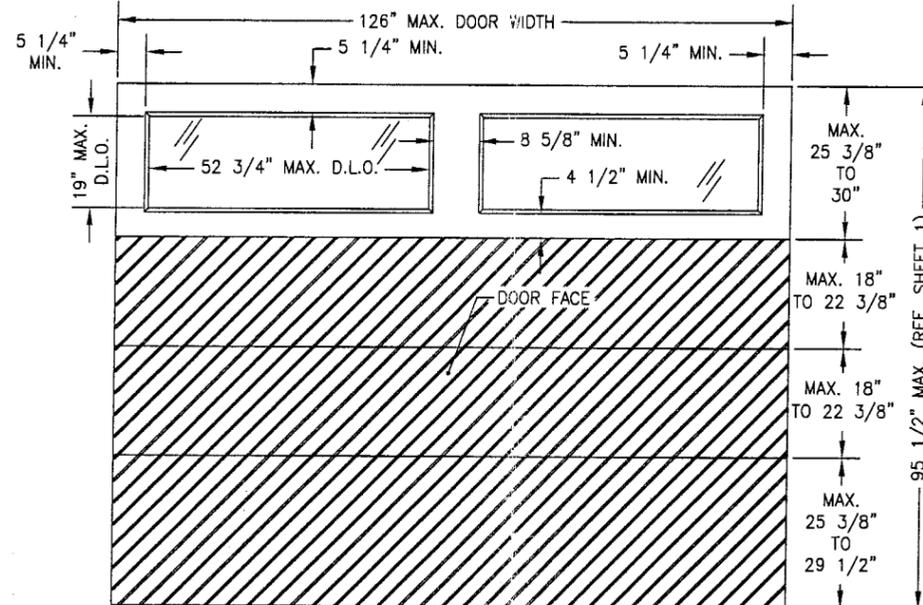


TYP. FLAT PANEL EXTERIOR ELEVATION

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

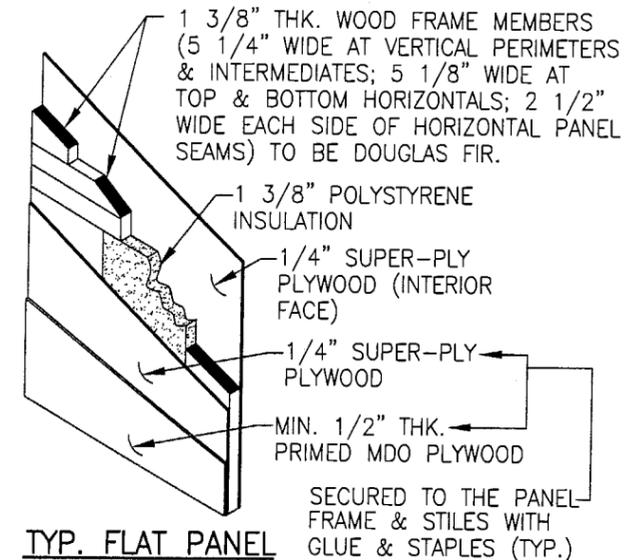


TYP. RAISED PANEL



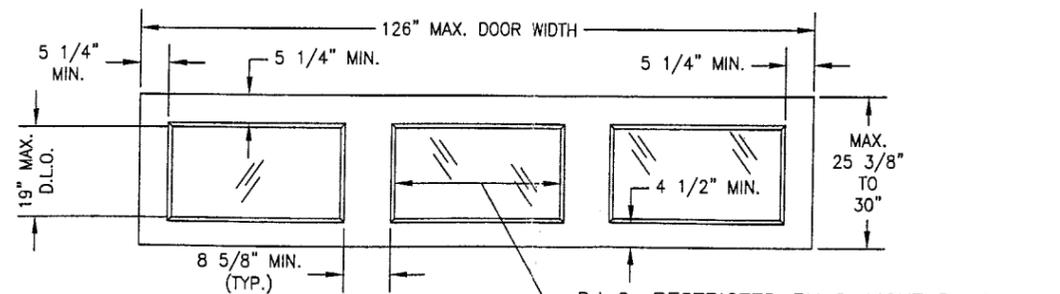
TYP. V-GROOVE PANEL EXTERIOR ELEVATION

(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.)

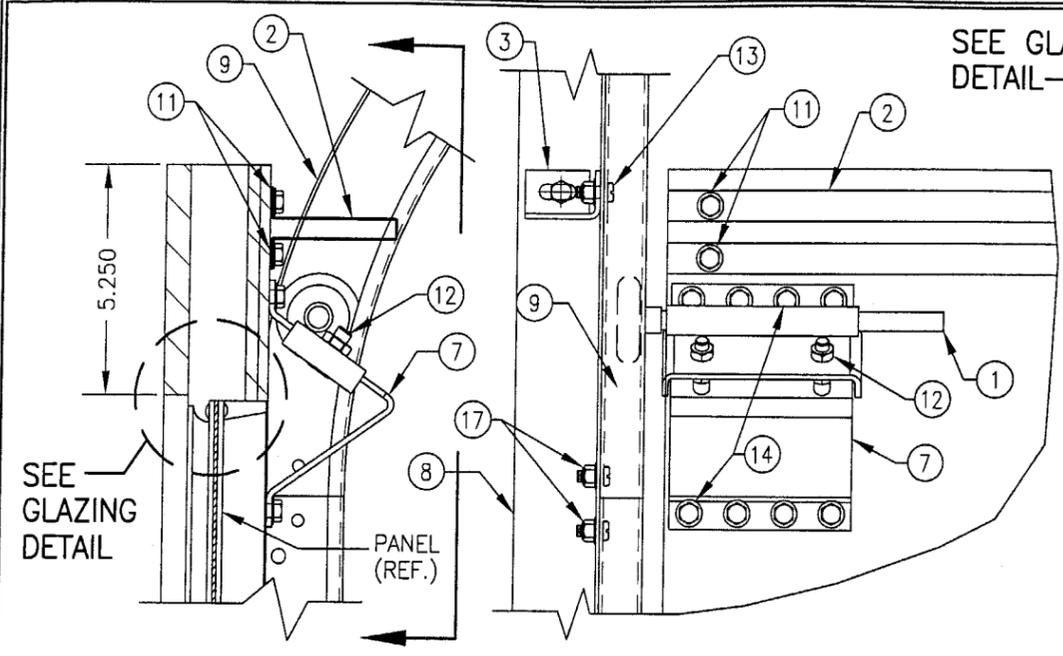


TYP. 3-LIGHT SECTION

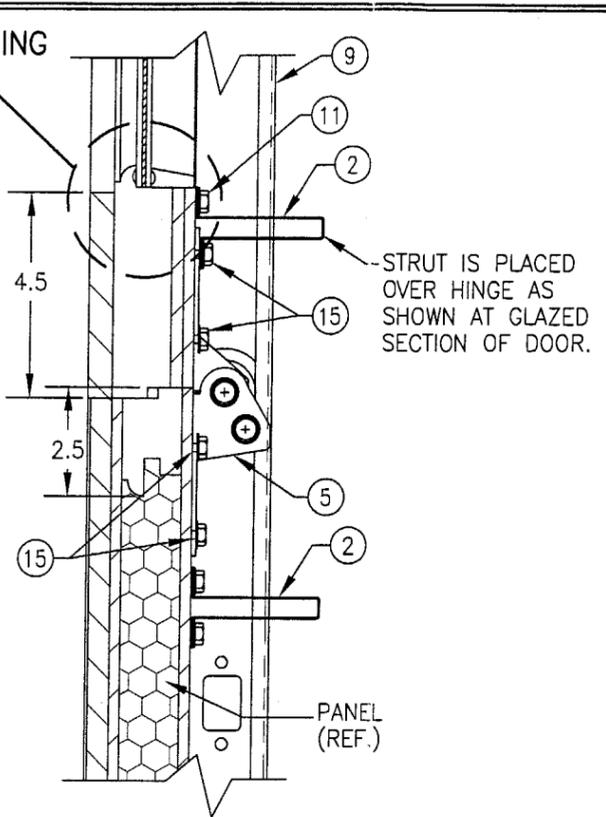
NOTE: GLAZED DOOR SECTION MAY BE LOCATED EITHER AT THE TOP OR TOP MIDDLE SECTIONAL OF THE DOOR.

Approved as complying with the
Florida Building Code
Date 10/10/02
NOA# 02-080701
Miami Dade Product Control
Division
By *Wesley Lerman*

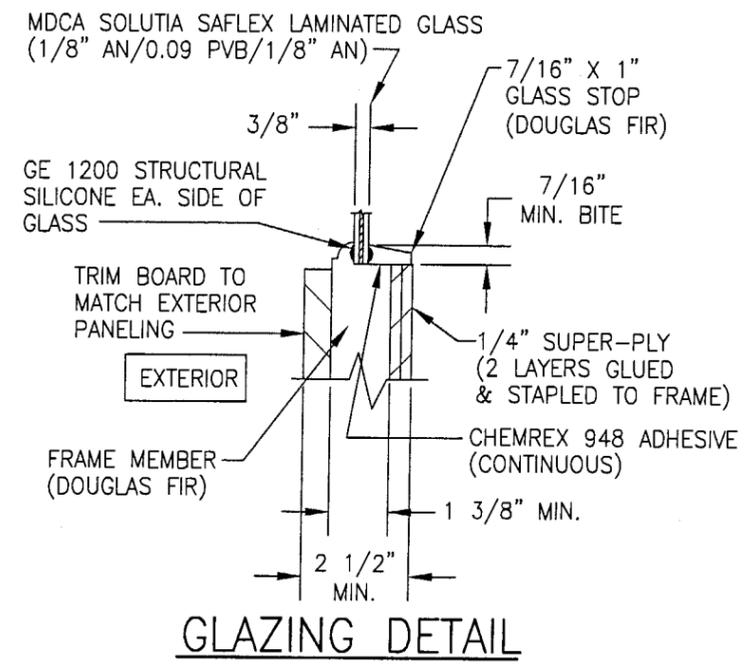
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	DATE: 07/24/02	NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS						
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903			MANUFACTURER DESIGNER DOORS, INC. 183 EAST POMEROY STREET RIVER FALLS, WI 54022 800-241-0525			
CERTIFICATION JUL 29 2002		WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1140		
SHEET NO. 2		REV. OF 5				



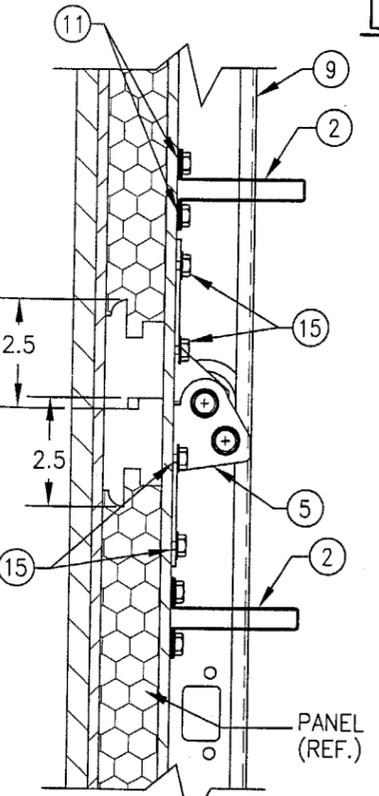
DETAIL 2



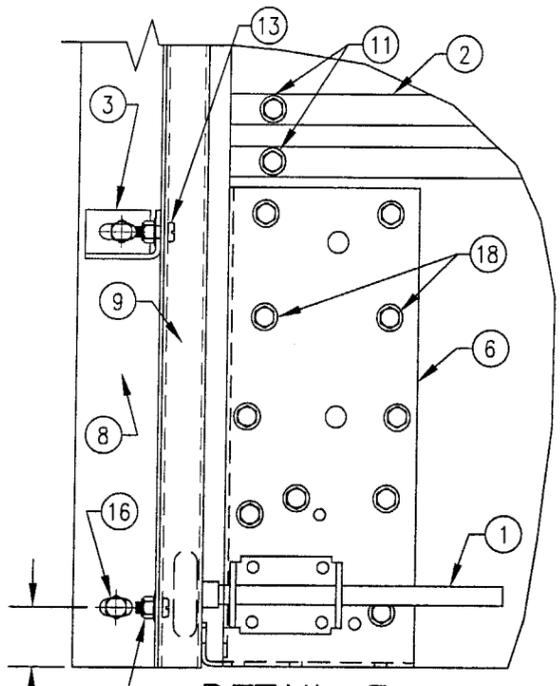
DETAIL 4



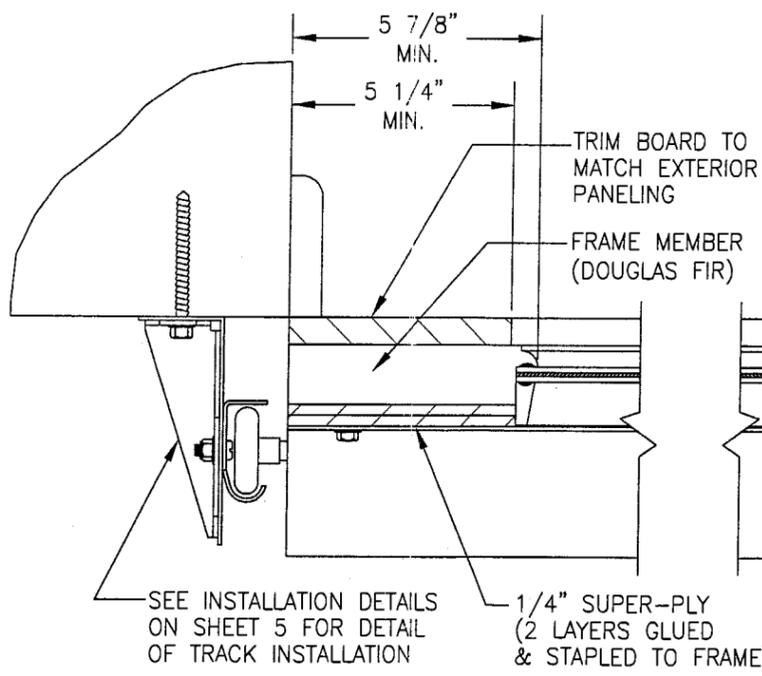
GLAZING DETAIL



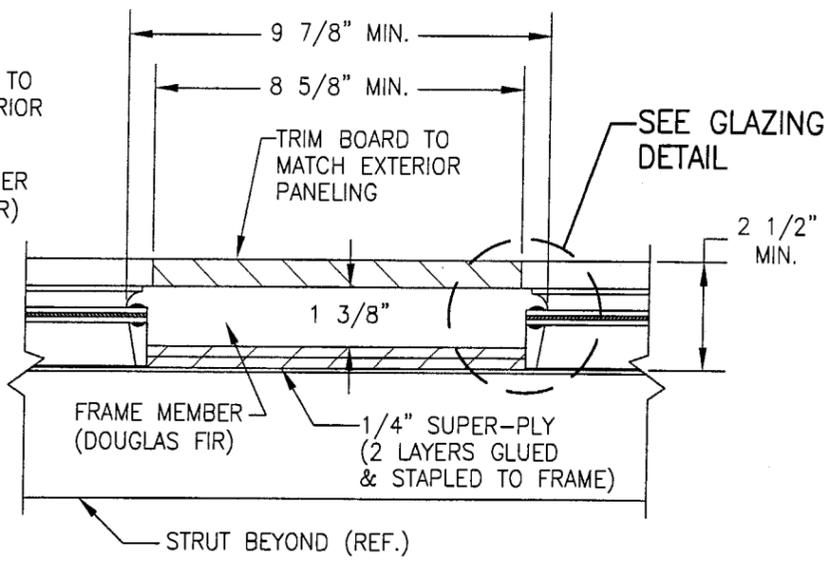
DETAIL 1



DETAIL 3



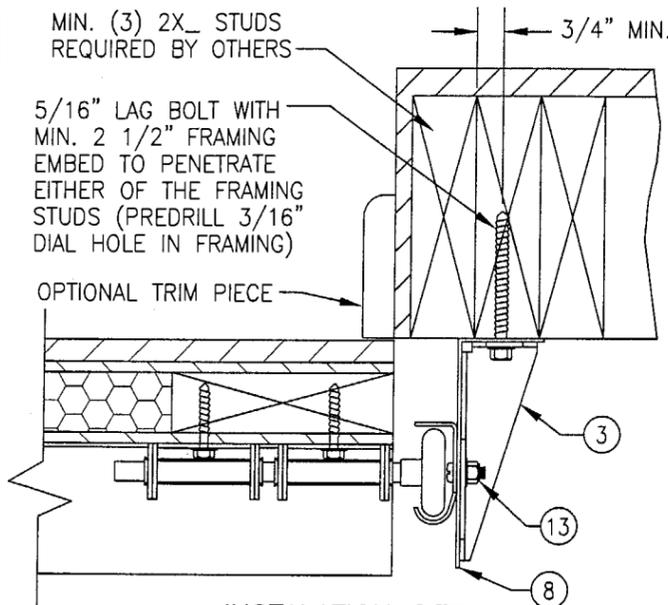
SECTION D
SCALE: 1/4 FULL



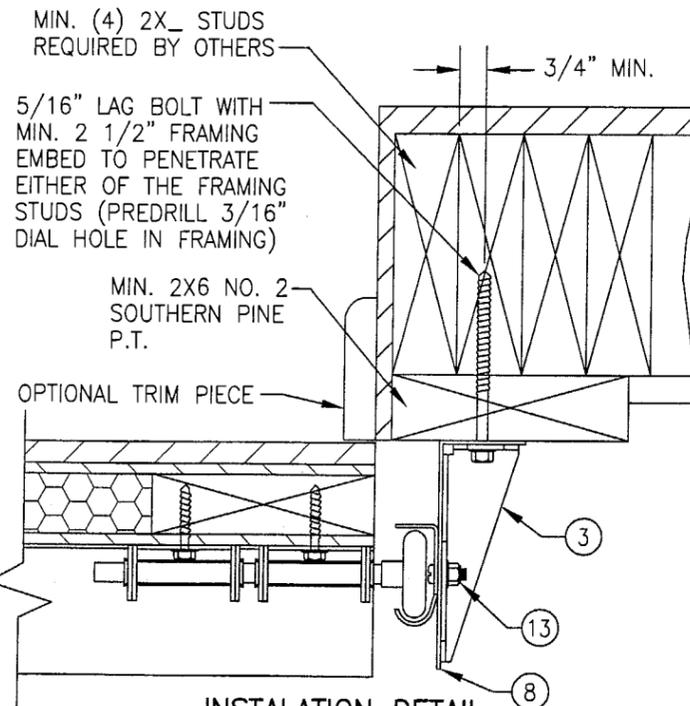
SECTION E
SCALE: 1/4 FULL

Approved as complying with the
Florida Building Code
Date 10/10/02
NOA# 02-0803.01
Miami Dade Product Control
Division
By *Glendon Herman*

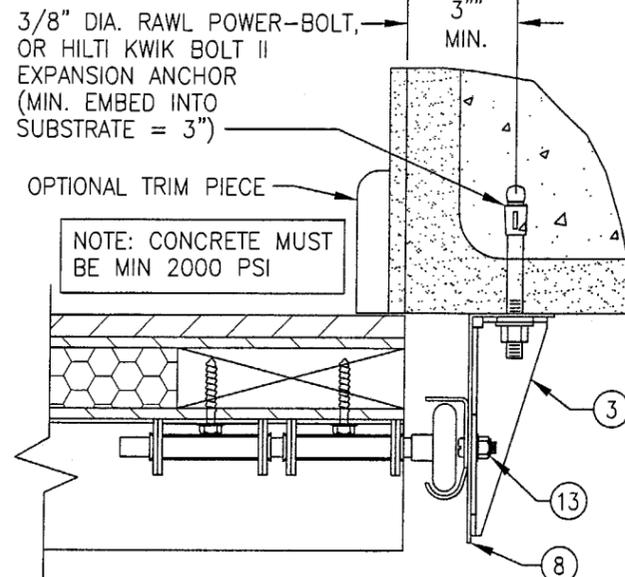
DRAWING NO. 1140	REV.	DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
		PLLOT: 1=4	DATE: 07/24/02
SHEET NO. 3 OF 5	DATE	BY	DATE
		NO.	REVISION DESCRIPTION
DRAWING TITLE 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS		MANUFACTURER DESIGNER DOORS, INC. 183 EAST POMEROY STREET RIVER FALLS, WI 54022 800-241-0525	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		CERTIFICATION JUL 29 2002 <i>Warren W. Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	



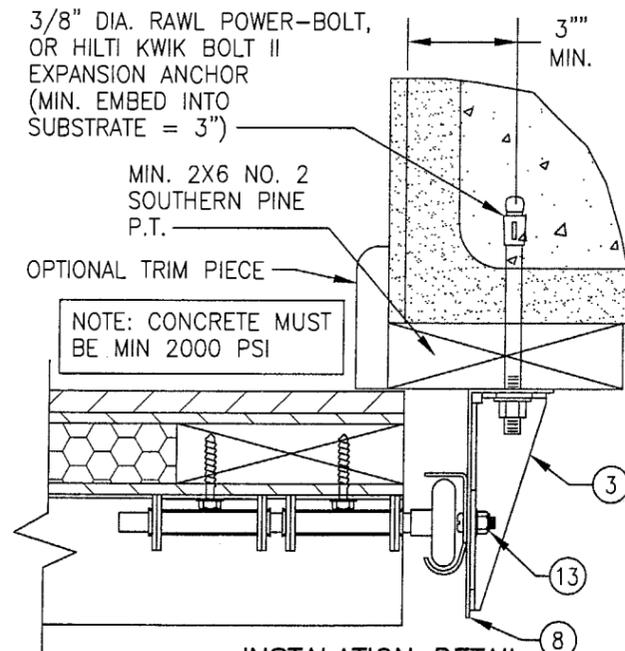
**INSTALLATION DETAIL
DIRECT TO WOOD FRAMING**



**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 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. THE 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.

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.
 600 SANDTREE DRIVE, SUITE 203B
 PALM BEACH GARDENS, FL 33403
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: JUL 29 2002
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44155
 DRAWING NO. 1140
 SHEET NO. 5 OF 5

Approved as complying with the
 Florida Building Code
 Date 10/10/02
 NOAH 02-0807.01
 Miami Dade Product Control
 Division
 By: *Warren W. Schaefer*