



**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)

**Martin Door Manufacturing.
2828 South 900 West
Salt Lake City**

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: Sectional Garage Door 16'-2" Wide.

APPROVAL DOCUMENT: Drawing No. P-03-0148-109A, titled "Martin Finger Shield Garage Door 16'-2" Wide – Woodline Series", dated 02/21/03 with last revision on 04/12/04, sheets 1 through 4 of 4, prepared by Martin Doors Manufacturing, signed and sealed by F. L. Bennardo, 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.

LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panels under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimen were selected from coils at the manufacturer production facilities. And a notarized statement from the manufacturer that only coils with yield strength of 50000 psi or more shall be used to make door panels for Dade County under this Notice of Acceptance

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, evidence page as well as the approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**

(Signature)
06/24/04



**NOA No 03-0325.06
Expiration Date: June 24, 2009
Approval Date: June 24, 2004
Page 1**

Martin Door Manufacturing.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS

1. Drawing prepared by Martin Door Manufacturing, titled "Martin Finger Shield Garage Door 16'-2" wide-Woodline Series", Drawing No. 03-0148-109A, dated 02/21/03, with last revision on 04/12/04, sheets 1 through 4 of 4, signed and sealed by F. L. Bennardo, PE.

B. TESTS

1. Test report of uniform static air pressure test per TAS 202, large missile impact test per TAS 201 and cyclic wind pressure test per TAS 203 on sectional insulated steel garage door system specimen #1, 2 & #3 prepared by Hurricane Engineering Test Laboratory Inc, report No.0148-1008-02, dated 01/15/03, signed and sealed by V. J. Abraham, PE.
2. Test report of ignition properties per ASTM D1929 on Advance Foam EPS, prepared by Omega Point Laboratories report No. 15353-115693 dated 09/30/03 signed and sealed by W. E. Fitch, PE.
3. Test report of surface burning characteristics per ASTM E84 on Advance Foam EPS, prepared by Omega Point Laboratories report No. 15353-115773 dated 10/03/03 signed and sealed by W. E. Fitch PE.
4. Test report of ignition properties per ASTM D1929 on Falcon Foam EPS, prepared by SGS US Testing Company Inc, report No. 32765-2 dated 01/23/04 signed and sealed by R. I. Ogawa PE.
5. Test report of surface burning characteristics per ASTM E84 on Falcon Foam EPS, prepared by SGS US Testing Company Inc, report No. 32765-1 dated 01/23/04 signed and sealed by R. I. Ogawa PE.
6. Test report of comparison coating per ASTM D1654 on painted galvanized coating and galvanized coating, prepared by ETC Laboratories report No. 02-876-12419.0 dated 01/02/03 signed and sealed by J. L. Doldan PE.

C. CALCULATIONS

1. Calculations prepared by Frank L. Bennardo, PE Inc page 1 through 8 of 8, signed and sealed by F. L. Bennardo PE, on 04/11/04.
2. Calculations prepared by Frank L. Bennardo PE page 1 through 9 of 9 signed and sealed by F. L. Bennardo PE On 08/12/03.
3. Calculations prepared by Frank L. Bennardo PE page 1 through 8 of 8 signed and sealed by F. L. Bennardo PE on 03/06/03.

D. QUALITY ASSURANCE.

1. Miami-Dade Product Control Office.

E. MATERIAL CERTIFICATIONS

1. Test report of Tensile test per ASTM E8 prepared by Q C Metallurgical Inc. on 11/15/02, signed and sealed by F. Grate, PE.

F. STATEMENTS.

1. No change letter issued by Frank L. Bennardo PE on 03/05/03 signed and sealed by F. L. Bennardo PE on 03/06/03
2. No interest letter issued by F. L. Bennardo PE on 03/05/03 signed and sealed by F. L. Bennardo PE and notarized by L. A. Ruff.



Candido F. Font, PE.
Senior Product Control Division
NOA No 03-0325.06
Expiration Date: June 24, 2009
Approval Date: June 24, 2004

TABLE 1 DOOR HEIGHT CONFIGURATIONS		
DOOR HEIGHT	SECTIONS	
	18"	21"
6'-0"	4	-
6'-3"	3	1
6'-6"	2	2
6'-9"	1	3
7'-0"	-	4
7'-6"	5	-
7'-9"	4	1
8'-0"	3	2
8'-3"	2	3
8'-6"	1	4
8'-9"	-	5
9'-0"	6	-
9'-3"	5	1
9'-6"	4	2
9'-9"	3	3
10'-0"	2	4
10'-3"	1	5
10'-6"	-	6
10'-9"	6	1
11'-0"	5	2
11'-3"	4	3
11'-6"	3	4
11'-9"	2	5
12'-0"	1	6
12'-3"	-	7
12'-6"	6	2
12'-9"	5	3
13'-0"	4	4
13'-3"	3	5
13'-6"	2	6
13'-9"	1	7
14'-0"	5	2
14'-3"	6	3
14'-6"	5	4
14'-9"	4	5
15'-0"	3	6
15'-3"	2	7
15'-6"	1	8
15'-9"	-	9
16'-0"	6	4

TABLE 2 DOOR WIDTH CONFIGURATIONS			
DOOR WIDTH	NUMBER OF STILES		
	END	CENTER (W HINGES)	SUPPORT (NO HINGES)
12'	4	3	2
14'	4	3	2
15'	4	3	2
16'	4	3	2

GENERAL NOTES

- TEST DOOR 16'-2" WIDE X 7'-0" HIGH WOODLINE (TBL 3)
- THIS DOOR HAS BEEN TESTED & DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2001 FLORIDA BUILDING CODE AND PROTOCOLS TAS 201 FOR LARGE MISSILE IMPACT, TAS 202 FOR UNIFORM STATIC AIR PRESSURE AND TAS 203 FOR CYCLIC WIND LOADING.
- A 33 1/3 % ALLOWABLE INCREASE IN STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND ADDITIONAL IMPOSED LOADS.
- DESIGN PRESSURES TO BE USED WITH THESE DRAWINGS SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
- DOORS DETAILED HEREIN HAVE BEEN DESIGNED AND TESTED TO THE MAXIMUM SPANS AND LOADS SHOWN ON THESE DRAWINGS. REFERENCE HURRICANE TESTING LAB (HTL), OF RIVIERA BEACH, FL, TEST REPORT No. 0148-1008-02.
- ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, SPACED AS NOTED HEREIN. ANCHOR EMBEDMENT TO BASE MATERIAL DOES NOT INCLUDE WALL DRESSING OR STUCCO.
- ALL BOLTS & WASHERS SHALL BE ZINC COATED, GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI.
- ALL RIVETS ARE 3/16" DIAMETER
- DOOR CONSTRUCTION IS IDENTICAL FOR ALL MODELS, WITH EITHER A 28ga STEEL BACK (INSIDE ELEVATION - LEFT) or VINYL BACK (INSIDE ELEVATION - RIGHT)
- ASTHETIC VARIATION IS PATTERN DESIGN ONLY.
- FACE MATERIAL IS ASTM A653, SQ GRADE 50, 24 GA (t=.0236"), PRE-PAINTED G60 GALV. STEEL.
- ALL INTERIOR HARDWARE IS GALV. STEEL WITH POWDER COAT OPTION.
- GAGE THICKNESSES:
 TRACK .072"
 TRACK BRACKET .100"
 REVERSE ANGLE .051"
 HINGES .071"
 STRUTS .072"
 STILES .047"

Approved as complying with the Florida Building Code
 Date: 06/24/04
 NOA# 03-0325.06
 Miami Dade Product Control
 Division
 By:

- INTERIOR STILES
 INTERNAL REINFORCING STILE - WITHOUT HINGES
 INTERMEDIATE STILE - WITH HINGES
 DOUBLE END STILE - ADDITIONAL INTERMEDIATE STILE 5" FROM EACH END
 - DOORS AVAILABLE IN 28 GA (0.016" MIN) GALVANIZED G-60 COAT STEEL BACKING OVER 1-3/8" EXPANDED POLYSTYRENE (EPS) OR 0.015" VINYL BACKING OVER 1-7/16" X 1PCF EXPANDED POLYSTYRENE (EPS FOAM BY "ADVANCE FOAM" FOR USE WITH STEEL BACKING, OR BY "FALCON FOAM" WITH VINYL BACKING).
 - PAINT IS (1.0 MIL) / (.5 MIL) MODIFIED REGULAR POLYESTER, IN FIVE BASIC COLORS. ALSO IN 54 POWDER COATED COLORS.
 - .072 x 3 - 1/4" x 2" GALV. STEEL U.BAR REINFORCING STRUT AS SHOWN, TRUSS FASTENED TO INTERIOR VERTICAL STILES W / TWO 1/4-20 x 1" THREAD **HWH TEK** SCREWS AND TO END STILES WITH FOUR 1/4-20 x 1" THREAD **HWH TEK** SCREWS. STRUT QUANTITY: BOTTOM SECTION - 3; ALL OTHERS - 2
 - DOORS 7' HIGH HAVE 7 TRACK BRACKETS AND 7 ANCHORS THROUGH THE REVERSE ANGLE, WITH AN ADDITIONAL 3 ANCHORS THROUGH FLAG BRACKET
- DOORS > 8 FT. HIGH USE ADDITIONAL TRACK BRACKETS AT 12" O.C. MAX; ADD 1 BRACKET AND 1 ANCHOR PER ADDITIONAL FOOT OF HEIGHT

- ALLOWABLE TRACK BRACKET CONCRETE/MASONRY ANCHORS:
 -3/8" x 2-1/2" EMBEDMENT - "HILTI" KWIK BOLT II EXPANSION ANCHOR,
 -3/8" x 2-1/2" EMBEDMENT - "POWERS" POWER BOLT SLEEVE ANCHORS,
 -3/8" x 2-1/2" EMBEDMENT - "POWERS" WEDGE BOLT SCREW ANCHORS

TABLE 3 MARTIN FINGER SHIELD™ GARAGE DOOR SYSTEM WOODLINE SERIES ASTHETIC DIFFERENTIATION (Pattern Design only)			
WL	Woodline™	Short Panel	
R	Ranch™	Long Panel	
HT	Hi-Tensil™	Ribbed	
CM	Camelot™	Mixed Panel	
FL	Flushline™	Flush	

MAY 11 2004

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 WWW.FLBENGINEERING.COM
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 SALT LAKE CITY, UT 84119
 (801) 973-9310, FAX (801) 977-4234
 www.martindoors.com



MARTIN FINGER SHIELD™ GARAGE DOOR
 16'-2" WIDE - WOODLINE SERIES

REVISIONS	
DESCRIPTION	DATE
COUNTY REV#	7/23/2003
COUNTY REV#	11/5/2003
THIN STEEL BACK	11/11/2003
VINYL BACK	2/24/2004
FULL REVISION	4/1/2004

SCALE: NTS
 DRAWN BY: PA / CL
 CHECKED BY: FLB
 DWG DATE: 07/21/2003
 DWG No.: 03-0148-105A

MAY 11 2004

FRANK L. BENNARDO, P.E.
PE0046543

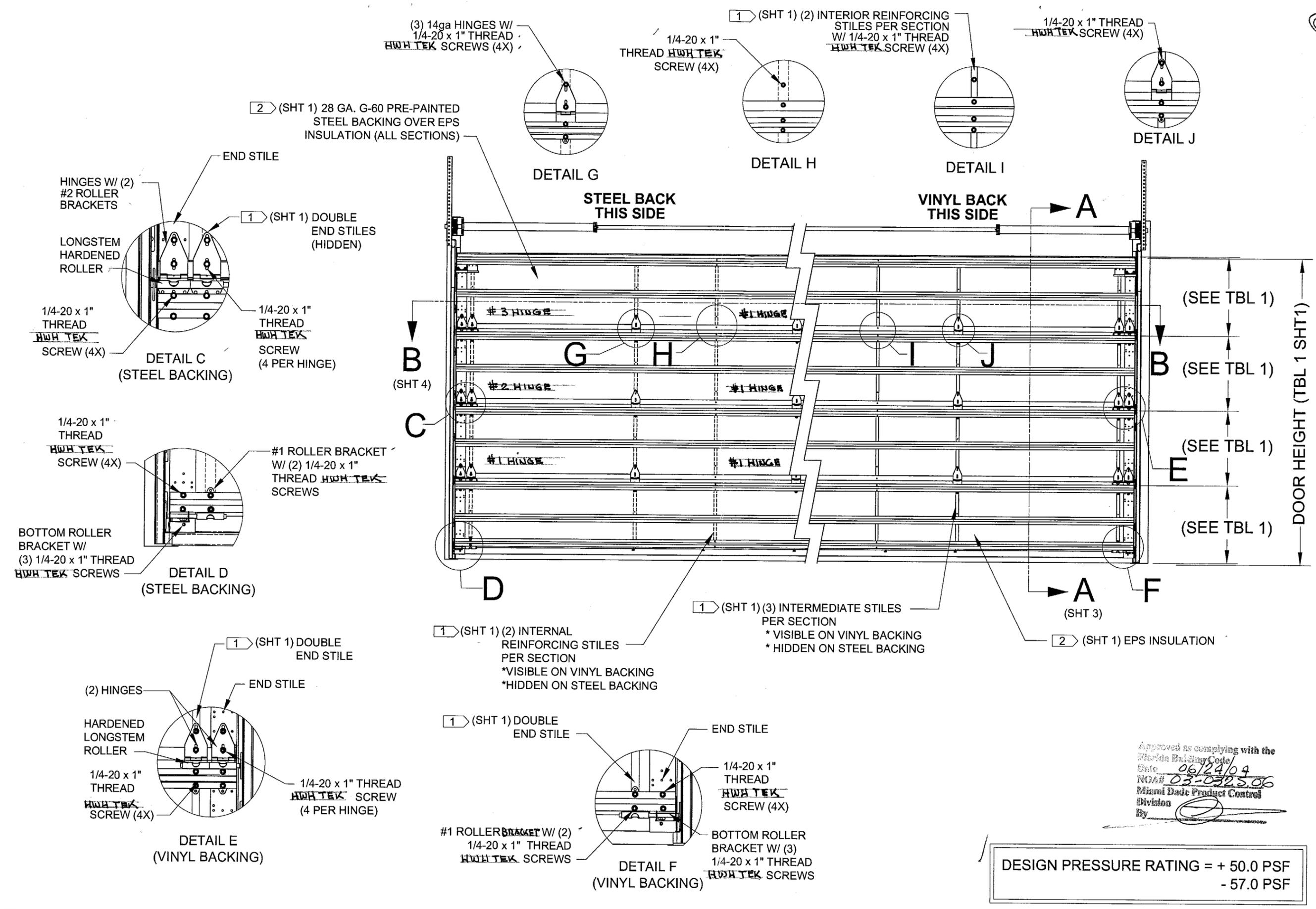
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MARTIN
GARAGE DOORS
MARTIN FINGER SHIELD™ GARAGE DOOR
16'-2" WIDE - WOODLINE SERIES

REVISIONS	
DESCRIPTION	DATE
COUNTY REVS	1/23/2003
COUNTY REVS	11/5/2003
THIN STEEL BACK	11/11/2003
VINYL BACK	2/24/2004
FULL REVISION	4/1/2004
SCALE: N.T.S.	
DRAWN BY: PA/CL	
CHECKED BY: JLB	
DWG DATE: 07/21/2003	
DWG No.: 03-0148-105A	

SHEET:
2 OF 4



Approved as complying with the
Florida Building Code
Date 06/24/04
NOAH 03-0323.06
Miami Dade Product Control
Division

MAY 11 2004

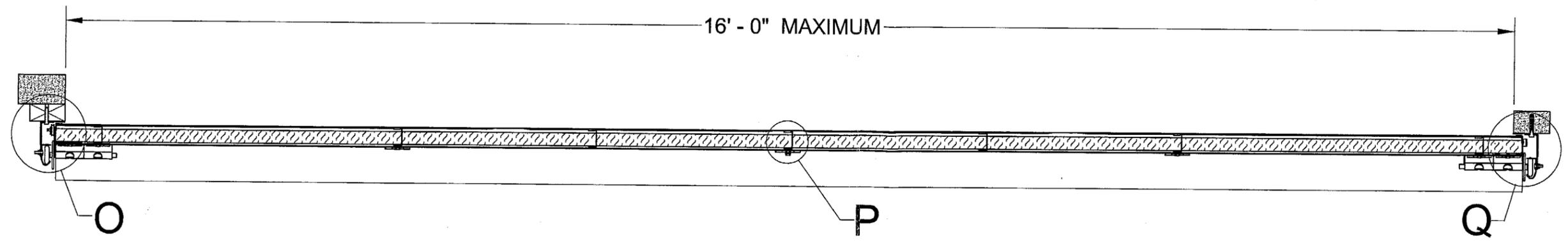
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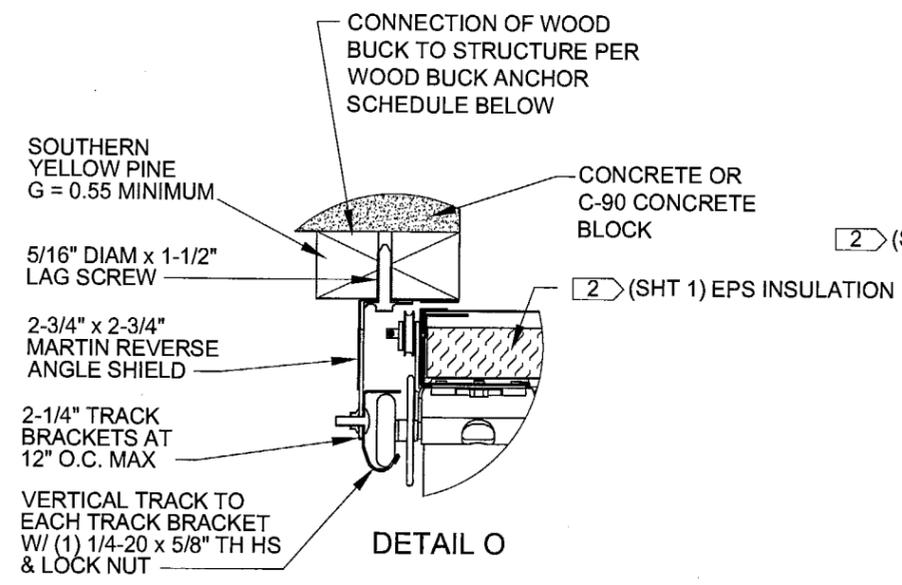
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MARTIN
GARAGE DOORS™

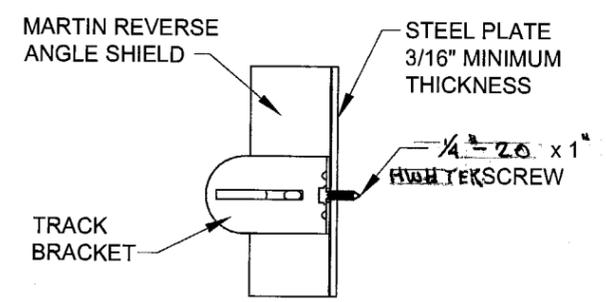
MARTIN FINGER SHIELD™ GARAGE DOOR
16'-2" WIDE - WOODLINE SERIES



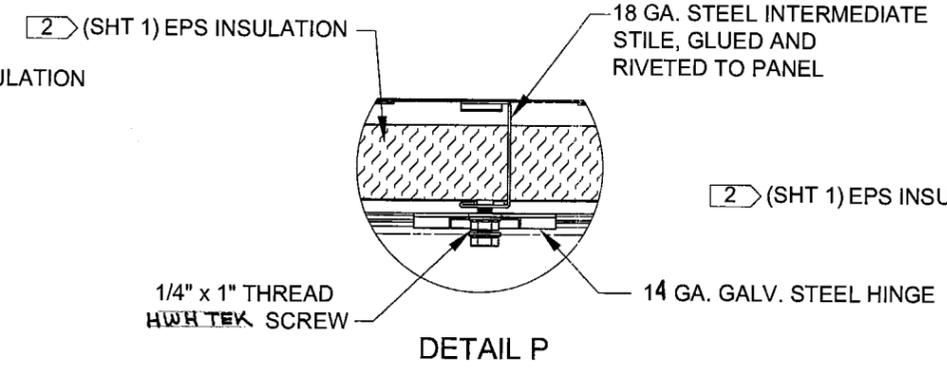
SECTION B-B (SHT 2)



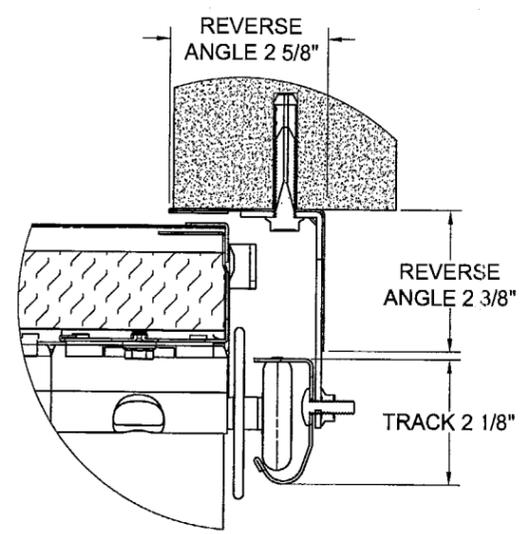
MARTIN REVERSE ANGLE SHIELD
INSTALLATION TO WOOD
JAMB ON CONCRETE / MASONRY



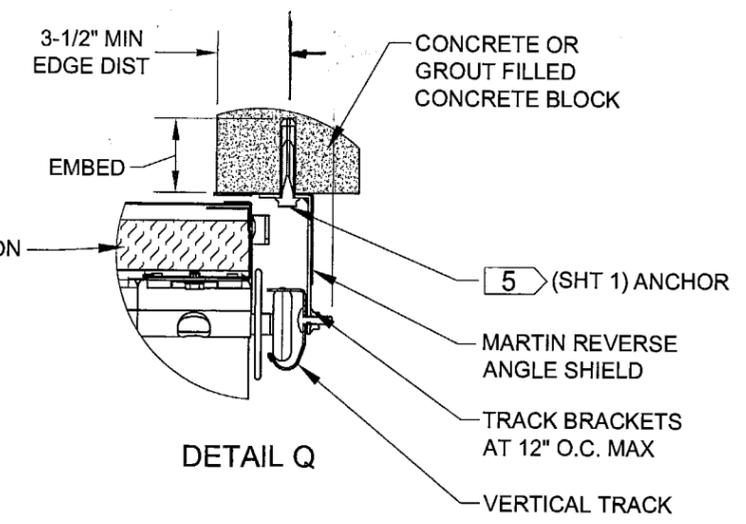
MARTIN REVERSE ANGLE SHIELD
INSTALLATION DIRECTLY TO STEEL



DETAIL P



TRACK & ANGLE
DIMENSIONS



DETAIL Q

MARTIN REVERSE ANGLE SHIELD
INSTALLATION DIRECTLY TO GROUT
FILLED CONCRETE BLOCK

WOOD BUCK ANCHOR SCHEDULE:

- 1/4" ELCO TAPCON:**
 - TO 3320psi CONCRETE W/ 1-3/4" EMBED AT 12" O.C.
 - TO HOLLOW CONC BLOCK W/ 1-1/4" EMBED AT 6" O.C.
ANY "TRACK BRACKET" ANCHOR LISTED IN NOTE
 TO CONC OR GROUT-FILLED CONC BLOCK (AS LISTED
 THEREIN) AT 12" O.C.

Approved as complying with the
Florida Building Code
Date: 02/24/09
NOA#: 03-034506
Miami Dade Product Control
Division
By: [Signature]

REVISIONS	
DESCRIPTION	DATE
COUNTY REV8	1/23/2003
COUNTY REV5	11/5/2003
THIN STEEL BACK	11/11/2003
VINYL BACK	2/24/2004
FULL REVISION	4/1/2004
SCALE: N.T.S.	
DRAWN BY: PA / CL	
CHECKED BY: HLB	
DWG DATE: 02/21/2003	
DWG No: 03-0148-109A	