



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

Martin Door Manufacturing
2828 South 900 West
Salt Lake City, UT 84119

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: Woodline Series 16'-2" wide Steel Sectional Garage Door

APPROVAL DOCUMENT: Drawing No. **08-MDM-0001**, titled "Martin Finger Shield Garage Door 16'-2" Woodline Series", dated 11/24/08, sheets 1 through 4 of 4, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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.

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 **renews NOA # 03-0325.06** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



[Signature]
 12/17/08

NOA No. 08-1126.11
Expiration Date: June 24, 2014
Approval Date: January 8, 2009
Page 1

Martin Door Manufacturing

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

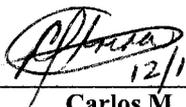
1. Drawing No. **08-MDM-0001**, titled "Martin Finger Shield Garage Door 16'-2" Woodline Series", dated 11/24/08, sheets 1 through 4 of 4, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

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, P.E.
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, P.E.
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, P.E.
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, P.E.
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, P.E.
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, P.E.
"Submitted under NOA # 03-0325.06"

C. CALCULATIONS

1. Calculations prepared by Frank L. Bennardo, P.E., Inc, page 1 through 8 of 8, signed and sealed by F. L. Bennardo, P.E., on 04/11/04.
2. Calculations prepared by Frank L. Bennardo, P.E., page 1 through 9 of 9, signed and sealed by F. L. Bennardo, P.E., on 08/12/03.
3. Calculations prepared by Frank L. Bennardo, P.E., page 1 through 8 of 8, signed and sealed by F. L. Bennardo, P.E., on 03/06/03.
"Submitted under NOA # 03-0325.06"


12/17/03

Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 08-1126.11

Expiration Date: June 24, 2014
Approval Date: January 8, 2009

Martin Door Manufacturing

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

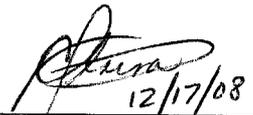
1. Test report of tensile test per ASTM E8 prepared by Q C Metallurgical, Inc., on 11/15/02, signed and sealed by F. Grate, P.E.

F. STATEMENTS

1. Statement letter of code conformance issued by Engineering Express, dated 11/24/08, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest issued by Engineering Express, dated 11/24/08, signed and sealed by Frank L. Bennardo, P.E.

G. OTHER

1. Notice of Acceptance No. **03-0325.06**, issued to Martin Door Manufacturing, approved on 06/24/04 and expiring on 06/24/09.



12/17/08

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-1126.11
Expiration Date: June 24, 2014
Approval Date: January 8, 2009

F:\01 Project Files\Martin Door (MDM)\200808-MDM-0001 (AKA 03-0148-109a) - 16' LMI FingerShield Garage Door (NOA).dwg

11/24/2008 - 10:53am keith

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 2004 AND 2007 EDITIONS OF THE FLORIDA BUILDING CODE, FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND PROTOCOLS TAS 201 FOR LARGE MISSILE IMPACT, TAS 202 FOR UNIFORM STATIC AIR PRESSURE AND TAS 203 FOR CYCLIC WIND LOADING.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- 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=0.0236"), 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"

PROJECT RENEWED
 as complying with the Florida
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 Inspection Date 06/24/2014
 By: *[Signature]*
 Martin Door Product Control
 Division

- 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 FORMING SCREWS AND TO END STILES WITH FOUR 1/4-20 x 1" THREAD FORMING 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	

FRANK L. BENNARDO, P.E.
 # PE0046549

11/24/2008

ENGINEERING EXPRESS®
 160 SW 12th AVENUE, #106
 DEERFIELD BEACH, FL 33442
 PH: (954) 354-0660 FAX: (954) 354-0443
 WWW.ENGINEERINGEXPRESS.COM
 CERT. OF AUTH. #9885
 A FRANK L. BENNARDO, P.E., INC. INNOVATION

2828 SOUTH 900 WEST
 SALT LAKE CITY, UT 84119
 WWW.MARTINDOOR.COM
 PH: (801) 973 - 9310, FAX: (801) 977 - 4234
 MARTIN FINGER SHIELD GARAGE DOOR
 16'-2" WOODLINE SERIES
 LARGE MISSILE IMPACT RESISTANT

REMARKS	DATE
INIT ISSUE	11/04/08
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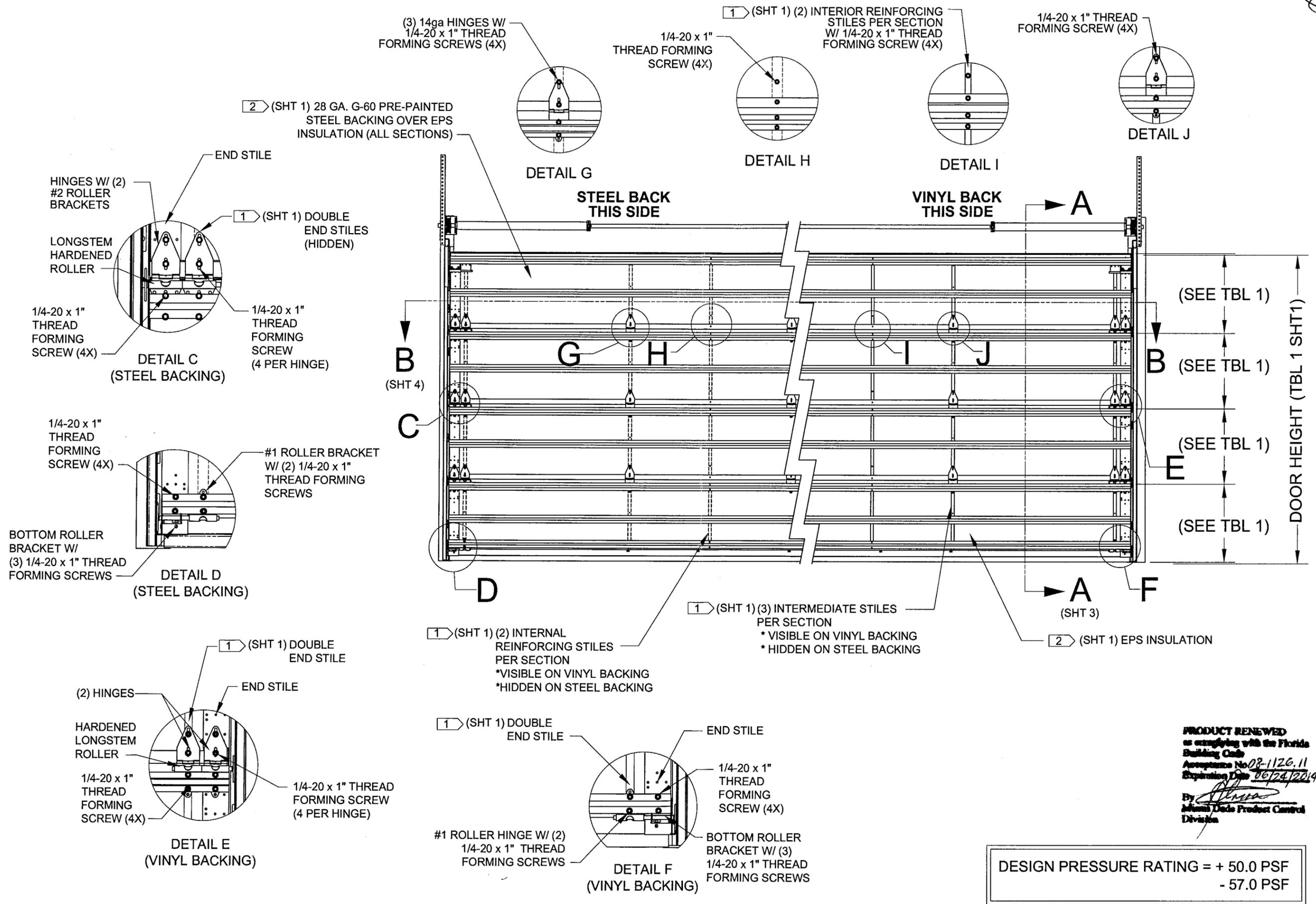
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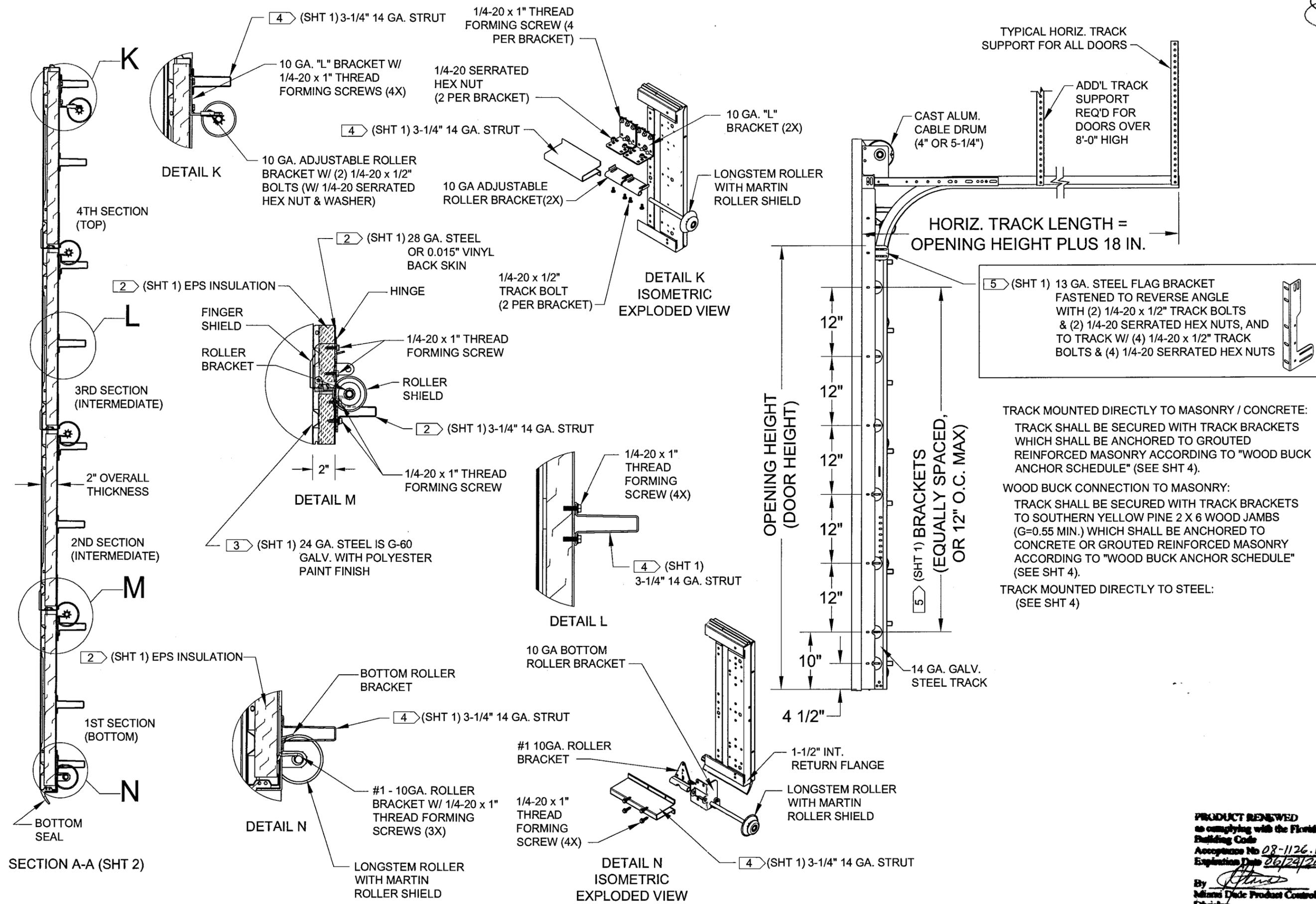
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PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 08-1126.11
Expiration Date 06/24/2014
By *[Signature]*
Miami Dade Product Control Division

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TYPICAL HORIZ. TRACK SUPPORT FOR ALL DOORS

ADD'L TRACK SUPPORT REQ'D FOR DOORS OVER 8'-0" HIGH

HORIZ. TRACK LENGTH = OPENING HEIGHT PLUS 18 IN.

5 (SHT 1) 13 GA. STEEL FLAG BRACKET FASTENED TO REVERSE ANGLE WITH (2) 1/4-20 x 1/2" TRACK BOLTS & (2) 1/4-20 SERRATED HEX NUTS, AND TO TRACK W/ (4) 1/4-20 x 1/2" TRACK BOLTS & (4) 1/4-20 SERRATED HEX NUTS

TRACK MOUNTED DIRECTLY TO MASONRY / CONCRETE: TRACK SHALL BE SECURED WITH TRACK BRACKETS WHICH SHALL BE ANCHORED TO GROUDED REINFORCED MASONRY ACCORDING TO "WOOD BUCK ANCHOR SCHEDULE" (SEE SHT 4).

WOOD BUCK CONNECTION TO MASONRY: TRACK SHALL BE SECURED WITH TRACK BRACKETS TO SOUTHERN YELLOW PINE 2 X 6 WOOD JAMBS (G=0.55 MIN.) WHICH SHALL BE ANCHORED TO CONCRETE OR GROUDED REINFORCED MASONRY ACCORDING TO "WOOD BUCK ANCHOR SCHEDULE" (SEE SHT 4).

TRACK MOUNTED DIRECTLY TO STEEL: (SEE SHT 4)

5 (SHT 1) BRACKETS (EQUALLY SPACED, OR 12" O.C. MAX)

OPENING HEIGHT (DOOR HEIGHT)

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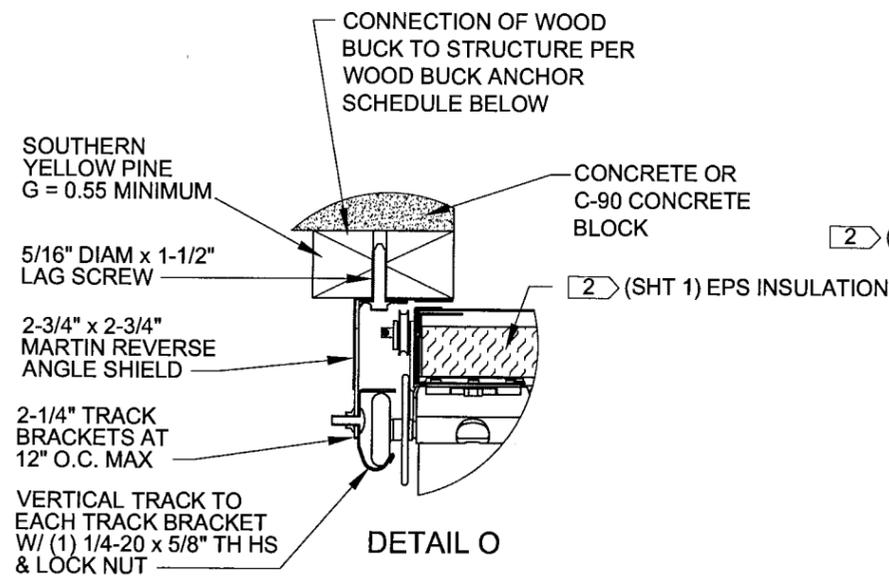
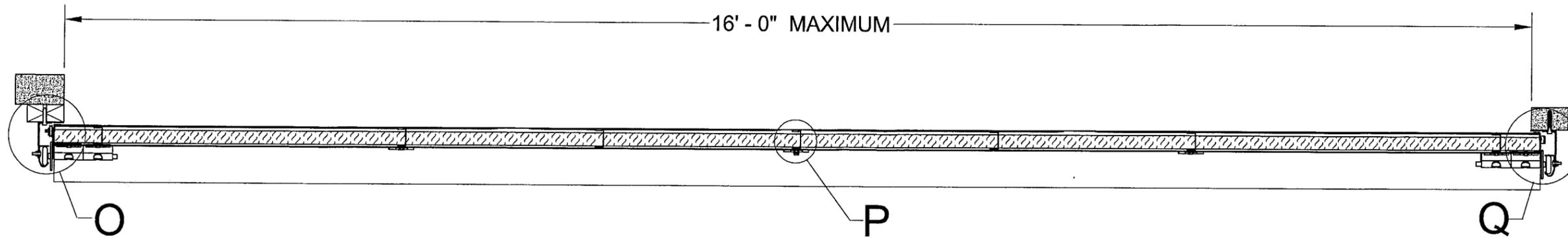
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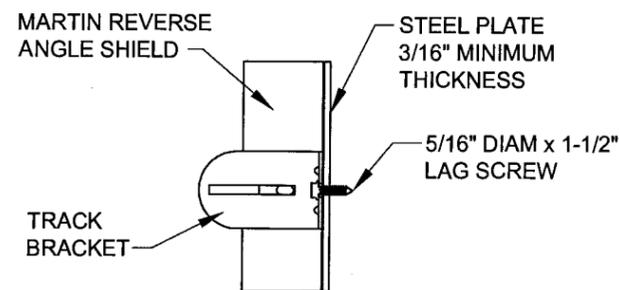
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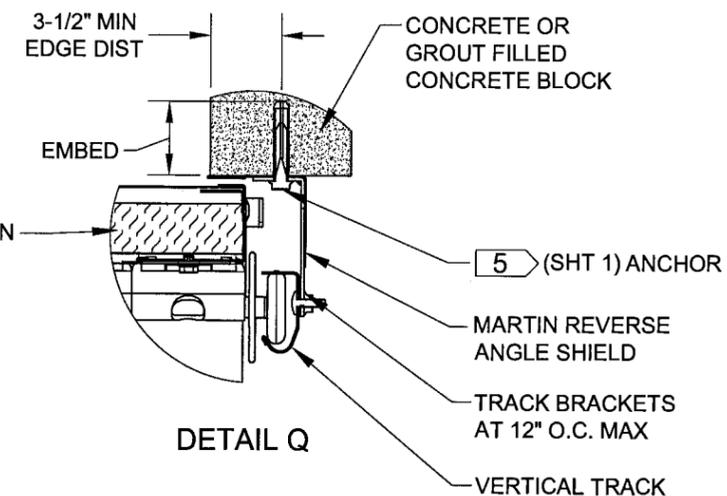
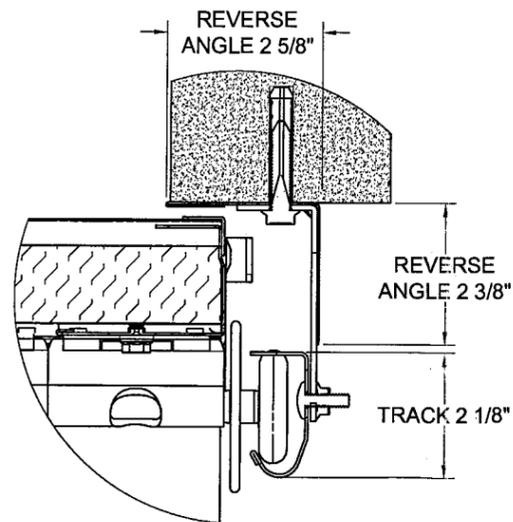
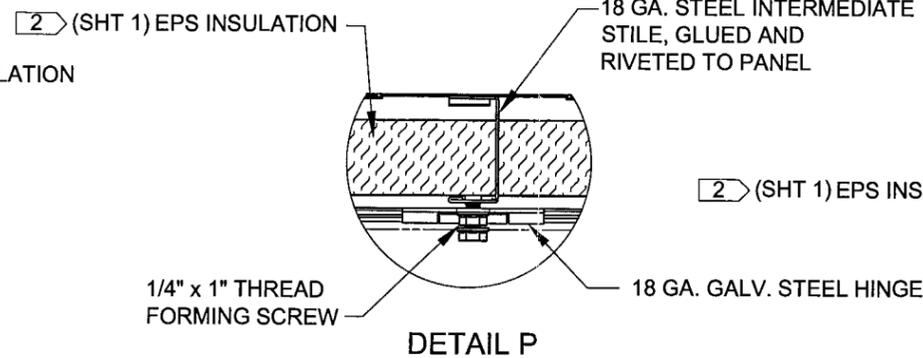
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MARTIN REVERSE ANGLE SHIELD INSTALLATION TO WOOD JAMB ON CONCRETE / MASONRY



MARTIN REVERSE ANGLE SHIELD INSTALLATION DIRECTLY TO STEEL



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.

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MARTIN GARAGE DOORS

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SCALE: - 01

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