



**MIAMI-DADE COUNTY**  
 DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
 AFFAIRS (PERA)  
 BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**  
 11805 SW 26 Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Raynor Garage Doors**  
**1101 East River Road, P.O. Box 448**  
**Dixon, IL 61021**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section 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 Section (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. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: SteelForm Sectional Garage Door up to 12'-2" Wide**

**APPROVAL DOCUMENT:** Drawing No. **P-3310**, titled "Spec. Wind Load SteelForm Standard 24 Gauge and 20 Gauge", sheets 1 through 3 of 3, dated 03/07/2008, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**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 revises NOA # 08-0709.07 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]*  
 07/23/2012

NOA No. 12-0517.06  
 Expiration Date: November 6, 2013  
 Approval Date: August 2, 2012  
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS “Submitted under NOA # 08-0709.07”**

1. Drawing No. **P-3310**, titled “Spec. Wind Load SteelForm Standard 24 Gauge and 20 Gauge”, sheets 1 through 3 of 3, dated 03/07/2008, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E.

**B. TESTS “Submitted under NOA # 10-0420.03”**

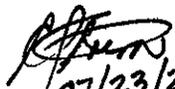
1. Test report on Forced Entry Resistance Test, per FBC 2411 3.2.1, TAS 202-94 of two 16’x 7’ Sectional Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0706-10**, dated 08/10/2010, signed and sealed by Vinu J. Abraham, P.E.

**“Submitted under NOA # 08-0709.07”**

2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
Along with marked-up drawings and installation diagram of a 12’x 8’ SteelForm Sectional Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0305-08**, dated 04/14/2008, signed and sealed by Vinu J. Abraham, P.E.
3. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. **0313Q**, dated 04/25/2008, signed and sealed by Ramesh Patel, P.E.
4. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 09/25/2008, signed and sealed by Richard A. Baumann, P.E.

**C. CALCULATIONS “Submitted under NOA # 08-0709.07”**

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 05/16/2008, signed and sealed by Richard A. Baumann, P.E.
2. Jamb attachment to steel angle calculations, prepared by Wendler Engineering Services, Inc., dated 09/26/2008, signed and sealed by Richard A. Baumann, P.E.

  
07/23/2012

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 12-0517.06  
Expiration Date: November 6, 2013  
Approval Date: August 2, 2012

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**

1. Test report on Surface Burning Characteristics, per ASTM E84 of Type IX EPS, Report No. **3147467SAT-001**, prepared by Intertek Testing Services, NA, Inc., dated 04/10/2008, signed by Chris Bowness, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929 of Type IX EPS, prepared by Intertek Testing Services, NA, Test Report No. **3147467SAT-002**, dated 05/26/2006, signed by Chris Bowness, P.E.
3. Notice of Acceptance No. **11-0926.07**, issued to Dyplast Products LLC., for their EPS Block Type Insulation, approved on 11/10/2011, and expiring on 01/11/2017.

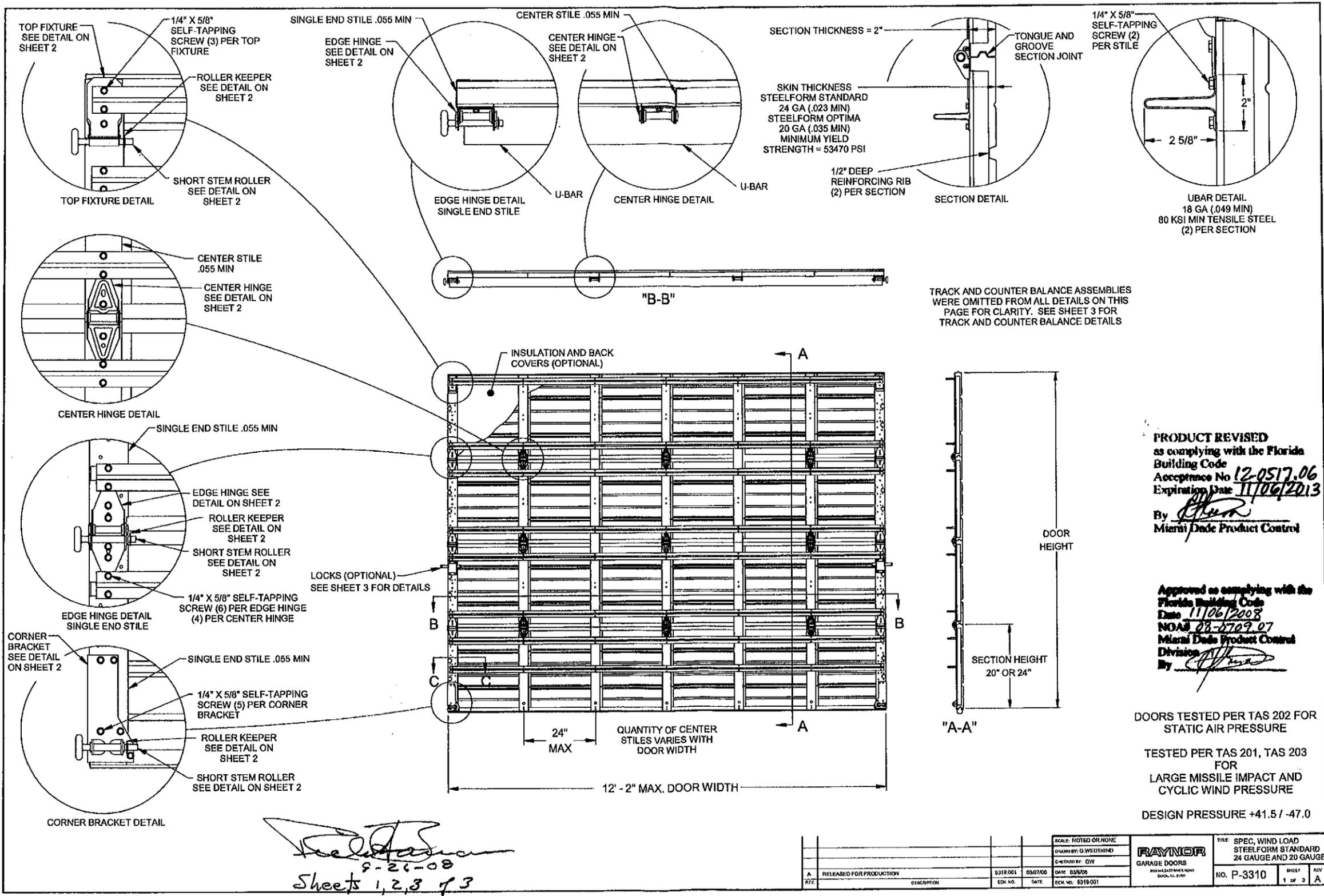
**F. STATEMENTS**

1. Statement letter of code conformance to 2007 and 2010 FBC, issued by Wendler Engineering Services, Inc., dated 05/14/2012, signed and sealed by Richard A. Baumann, P.E.  
  
*“Submitted under NOA # 08-0709.07”*
2. Statement letter of code conformance issued by Wendler Engineering Services, Inc., dated 05/19/2008, signed and sealed by Richard A. Baumann, P.E.
3. Statement letter of no financial interest issued by Wendler Engineering Services, Inc., dated 05/19/2008, signed and sealed by Richard A. Baumann, P.E.



Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 12-0517.06

Expiration Date: November 6, 2013  
Approval Date: August 2, 2012



**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 12-0517.06  
 Expiration Date 11/06/2013  
 By *[Signature]*  
 Miami Dade Product Control

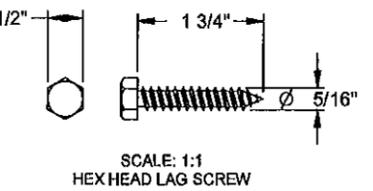
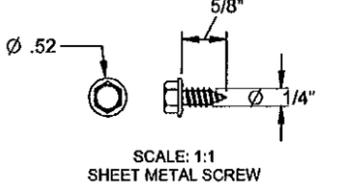
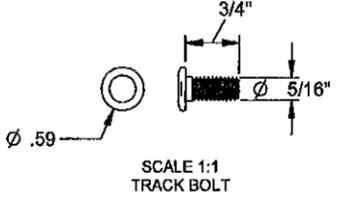
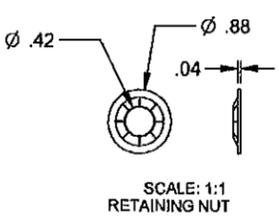
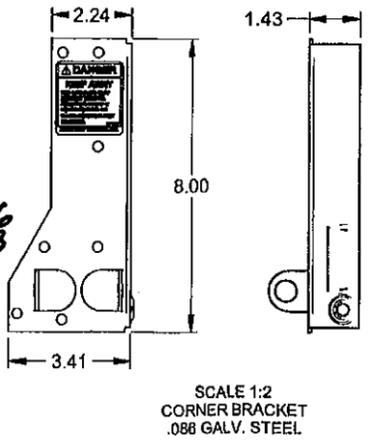
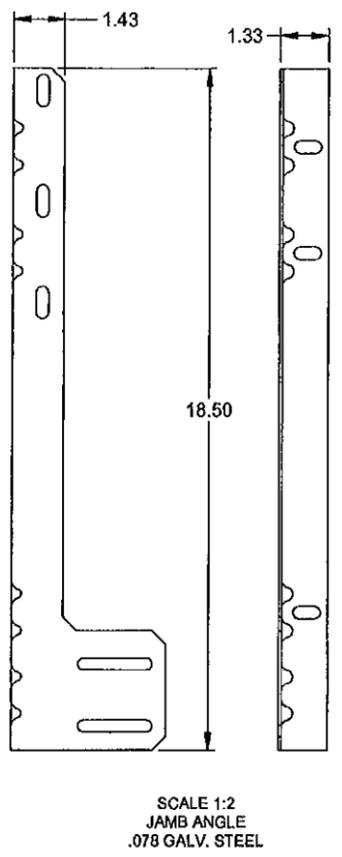
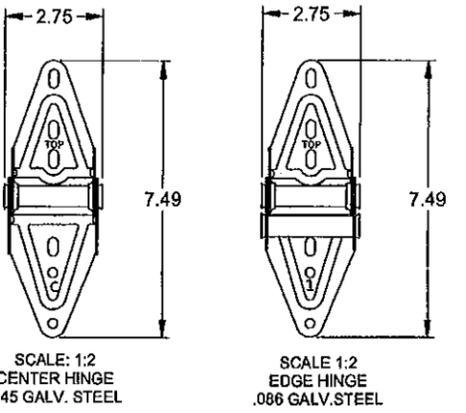
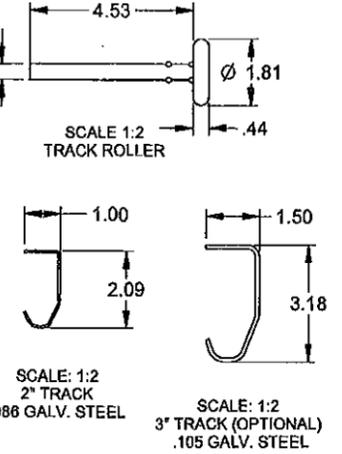
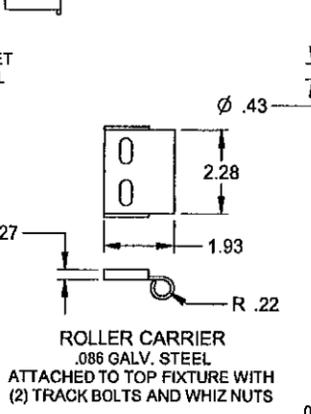
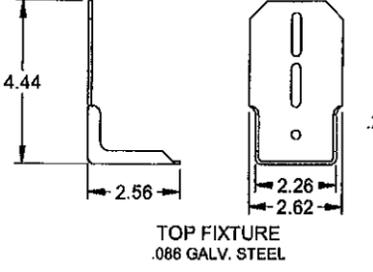
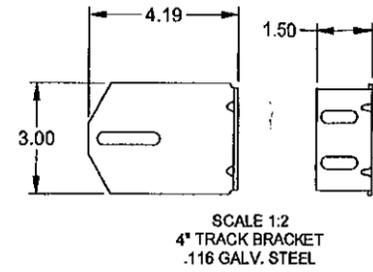
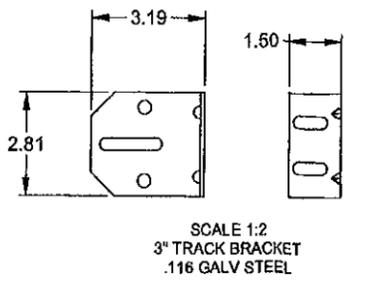
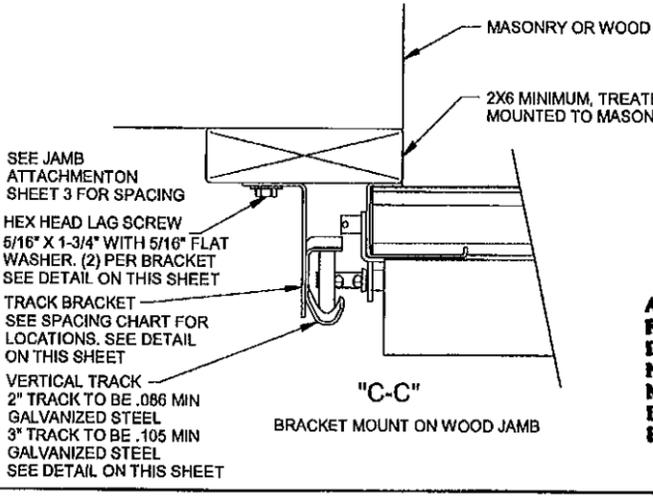
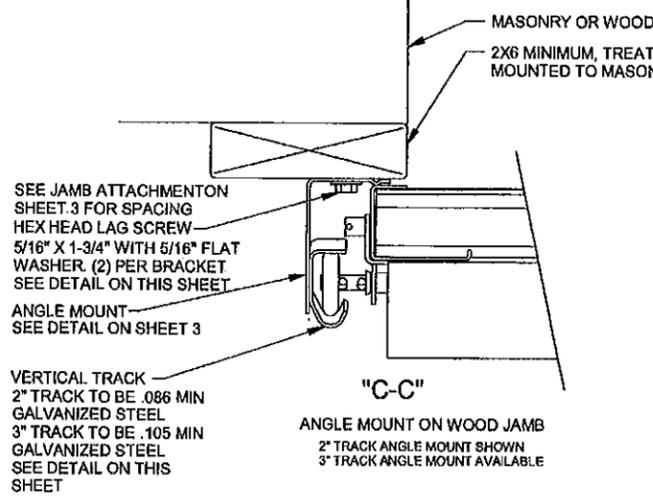
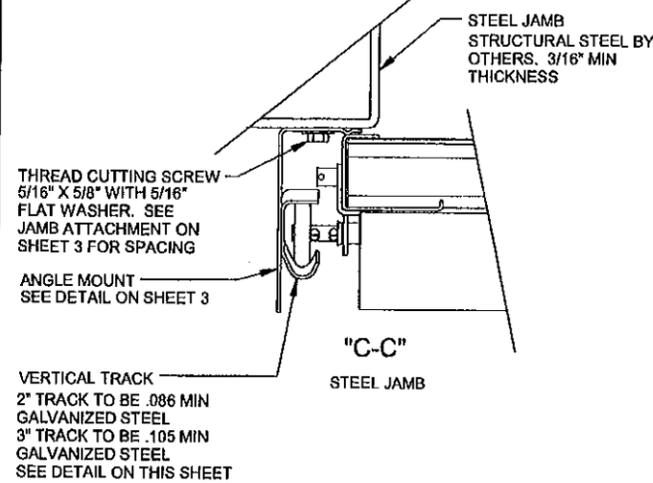
**Approved as complying with the Florida Building Code**  
 Date 11/06/2008  
 NOA# 08-0709.07  
 Miami Dade Product Control  
 Division *[Signature]*  
 By *[Signature]*

**DOORS TESTED PER TAS 202 FOR STATIC AIR PRESSURE**

**TESTED PER TAS 201, TAS 203 FOR LARGE MISSILE IMPACT AND CYCLIC WIND PRESSURE**

**DESIGN PRESSURE +41.5 / -47.0**

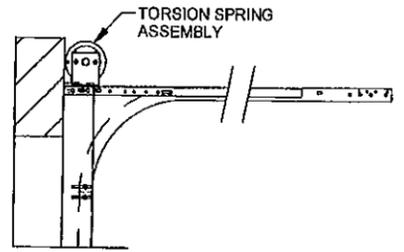
SCALE: NOTED OR NONE		TITLE: SPEC, WIND LOAD STEELFORM STANDARD 24 GAUGE AND 20 GAUGE	
DRAWN BY: G. WELDEBOND		RAYNOR GARAGE DOORS	
CHECKED BY: GW		NO. P-3310	
DATE: 03/20/08		SHEET 1 OF 3	
EOM NO. 0319001		REV	
A	RELEASED FOR PRODUCTION	0319001	03/07/08
REV	DESCRIPTION	EOM NO.	DATE



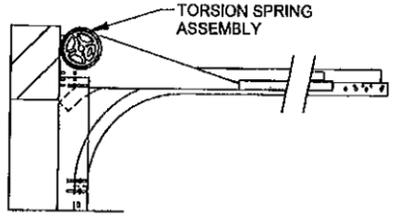
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 12-0517-06  
 Expiration Date 11/06/2013  
 By *[Signature]*  
 Miami Dade Product Control

Approved as complying with the  
 Florida Building Code  
 Date 11/06/2003  
 NOAH 08-0709-07  
 Miami Dade Product Control  
 Division *[Signature]*  
 By *[Signature]*

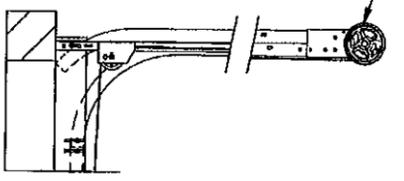
REV.	DESCRIPTION	EQ. NO.	DATE	SCALE: NOTED OR NONE	DESIGNED BY: Q.WEDERKAD	CHECKED BY: GW	DATE: 03/06/00	EQ. NO.: 5318.001	<b>RAYNOR</b> GARAGE DOORS <small>RAYNOR GARAGE DOORS          2000, S.E. 17TH</small>	TITLE: SPEC, WIND LOAD STEEL FORM STANDARD 24 GAUGE AND 20 GAUGE NO. P-3310	SHEET 2 of 3	REV A
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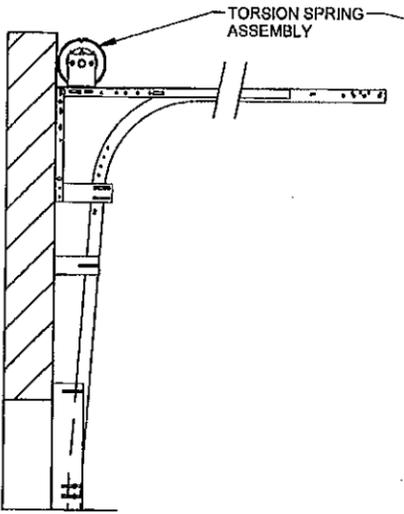
NORMAL HEADROOM TRACK  
2" TRACK ANGLE MOUNT SHOWN  
3" TRACK ANGLE MOUNT AVAILABLE



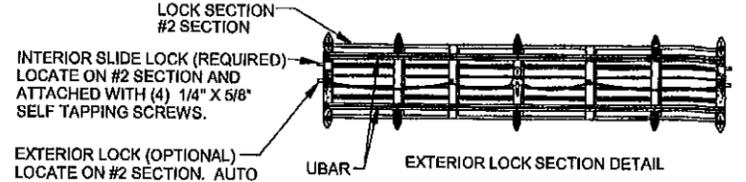
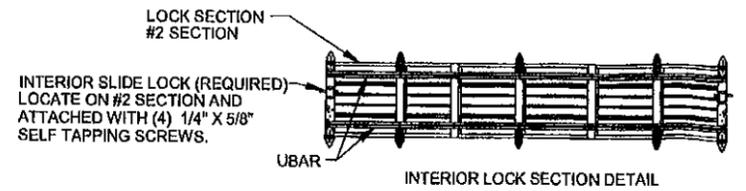
FRONT MOUNT LOW HEADROOM TRACK  
2" TRACK ANGLE MOUNT SHOWN  
3" TRACK ANGLE MOUNT AVAILABLE



REAR MOUNT LOW HEADROOM TRACK  
2" TRACK ANGLE MOUNT SHOWN  
3" TRACK ANGLE MOUNT AVAILABLE



LIFT CLEARANCE TRACK  
2" TRACK ANGLE MOUNT SHOWN  
3" TRACK ANGLE MOUNT AVAILABLE



INTERIOR SLIDE LOCK (REQUIRED)  
LOCATE ON #2 SECTION AND  
ATTACHED WITH (4) 1/4" X 5/8"  
SELF TAPPING SCREWS.

INTERIOR SLIDE LOCK (REQUIRED)  
LOCATE ON #2 SECTION AND  
ATTACHED WITH (4) 1/4" X 5/8"  
SELF TAPPING SCREWS.

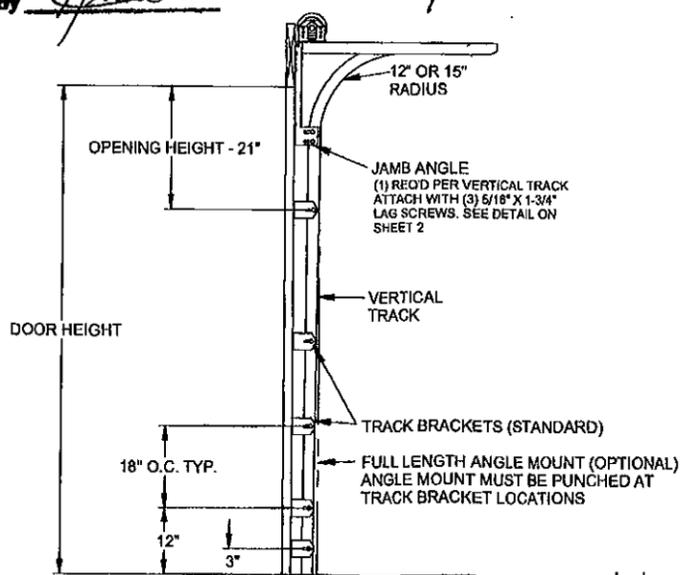
EXTERIOR LOCK (OPTIONAL)  
LOCATE ON #2 SECTION. AUTO  
LATCH STYLE SHOWN, LOCK  
BARS AVAILABLE

JAMB ATTACHMENT NOTES

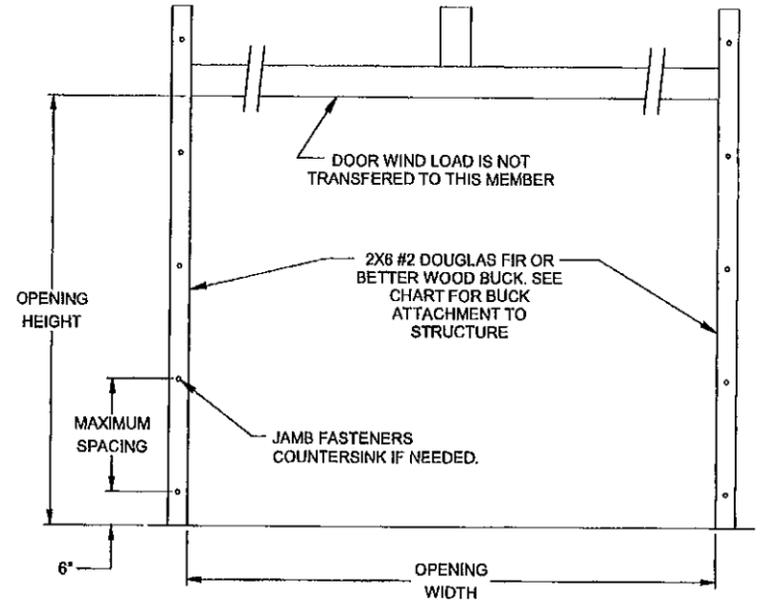
- 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
- 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER.
- MAXIMUM POSITIVE LOAD PER JAMB = (12'-2" X 41.5 PSF) / 2 = 262 LBS PER FOOT
- MAXIMUM NEGATIVE LOAD PER JAMB = (12'-2" X 47.0 PSF) / 2 = 286 LBS PER FOOT.
- DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 3 AND 4.

Approved as complying with the  
Florida Building Code  
Date 11/06/2008  
NOA# 08-0707-07  
Miami Dade Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0517.06  
Expiration Date 11/06/2013  
By [Signature]  
Miami Dade Product Control



TYPICAL TRACK INSTALLATION



JAMB ATTACHMENT

1/4" ITW BUILDEX TAPCON				
JAMB TYPE	EMBEDMENT	EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
HOLLOW BLOCK	1-1/4"	1"	117	5-1/2"
2000 PSI CONCRETE	1-3/4"	2-1/2"	508	24"
3000 PSI CONCRETE	1-3/4"	1"	510	24-1/4"
5/16" ITW BUILDEX TAPCON				
3000 PSI CONCRETE	1-3/4"	2 3/16"	563	26-3/4"
POWER ANCHOR - 3/8" WEDGE ANCHOR				
2000 PSI CONCRETE	1-5/8"	1-7/8"	360	17"
	3"	1-7/8"	768	36"
5/16" LAG SCREW				
SPRUCE, PINE, FIR (G = .42)	1-1/2"	1-3/4"	307	14-1/2"
DOUGLAS FIR (G = .49)	1-1/2"	1-3/4"	387	18"
SOUTHERN YELLOW PINE (G = .55)	1-1/2"	1-3/4"	460	21-7/8"
3/8" LAG SCREW				
SPRUCE, PINE, FIR (G = .42)	1-1/2"	1-3/4"	352	16-3/4"
DOUGLAS FIR (G = .49)	1-1/2"	1-3/4"	444	21"
SOUTHERN YELLOW PINE (G = .55)	1-1/2"	1-3/4"	528	25"
5/16 X 5/8 THREAD CUTTING SCREW				
STEEL A 36	3/16"	1/2"	1048	36"

SCALE: NOTED OR NONE	DESIGNED BY: G. WEDGEMAN	RAYNOR GARAGE DOORS	TITLE: SPEC, WIND LOAD STEELFORM STANDARD 24 GAUGE AND 20 GAUGE				
CHECKED BY: DW	DATE: 03/05/05						
REV	DESCRIPTION	ECO. NO.	DATE	ECO. NO.: 5310.001	NO. P-3310	SHEET 3 OF 3	REV A