



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/

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: Decade Steel Sectional Garage Door up to 9'-0" Wide

APPROVAL DOCUMENT: Drawing No. P-3304, titled "Spec. Wind Load Decade", sheets 1 through 3 of 3, dated 07/31/2007, with revision B dated 08/29/2008, 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 # 08-0709.11 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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



[Signature]
07/23/2012

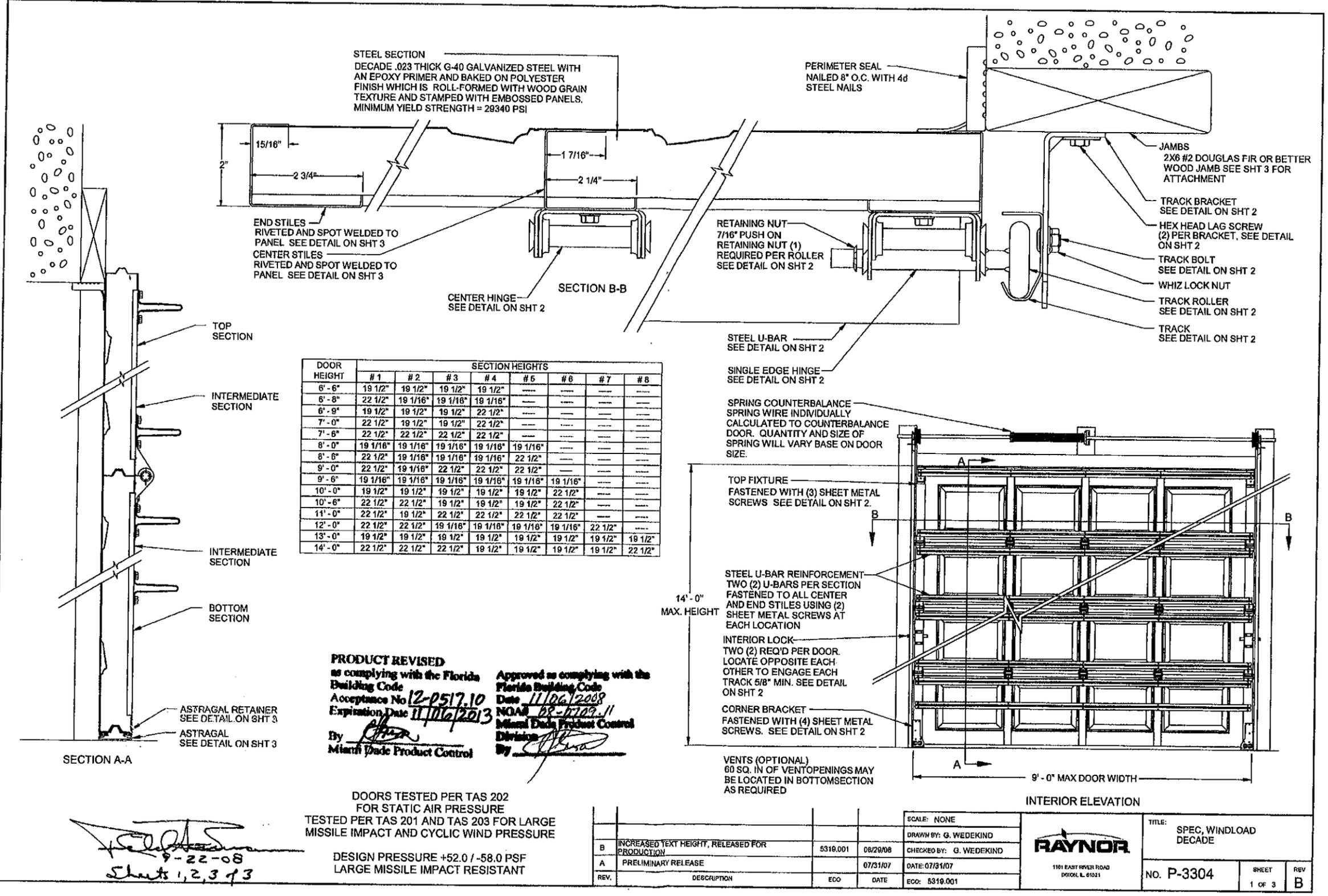
NOA No. 12-0517.10
Expiration Date: November 6, 2013
Approval Date: August 2, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS** *"Submitted under NOA # 08-0709.11"*
1. Drawing No. **P-3304**, titled "Spec. Wind Load Decade", sheets 1 through 3 of 3, dated 07/31/2007, with revision B dated 08/29/2008, 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 # 08-0709.11"*
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 9'x 7.5' Decade Sectional Steel 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. 0156Q, dated 04/01/2008, 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 # 08-0709.11"*
1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 05/16/2008, signed and sealed by Richard A. Baumann, P.E.
- D. QUALITY ASSURANCE**
1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)
- E. MATERIAL CERTIFICATIONS**
1. None.
- 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 # 08-0709.11"*
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.


07/23/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0517.10
Expiration Date: November 6, 2013
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STEEL SECTION
 DECADE .023 THICK G-40 GALVANIZED STEEL WITH AN EPOXY PRIMER AND BAKED ON POLYESTER FINISH WHICH IS ROLL-FORMED WITH WOOD GRAIN TEXTURE AND STAMPED WITH EMBOSSED PANELS. MINIMUM YIELD STRENGTH = 29340 PSI

PERIMETER SEAL
 NAILED 8" O.C. WITH 4d STEEL NAILS

JAMBS
 2X6 #2 DOUGLAS FIR OR BETTER WOOD JAMB SEE SHT 3 FOR ATTACHMENT

END STILES
 RIVETED AND SPOT WELDED TO PANEL SEE DETAIL ON SHT 3
 CENTER STILES
 RIVETED AND SPOT WELDED TO PANEL SEE DETAIL ON SHT 3

RETAINING NUT
 7/16" PUSH ON
 RETAINING NUT (1)
 REQUIRED PER ROLLER
 SEE DETAIL ON SHT 2

TRACK BRACKET
 SEE DETAIL ON SHT 2
 HEX HEAD LAG SCREW
 (2) PER BRACKET, SEE DETAIL ON SHT 2
 TRACK BOLT
 SEE DETAIL ON SHT 2
 WHIZ LOCK NUT
 TRACK ROLLER
 SEE DETAIL ON SHT 2
 TRACK
 SEE DETAIL ON SHT 2

CENTER HINGE
 SEE DETAIL ON SHT 2

STEEL U-BAR
 SEE DETAIL ON SHT 2

SINGLE EDGE HINGE
 SEE DETAIL ON SHT 2

SPRING COUNTERBALANCE
 SPRING WIRE INDIVIDUALLY CALCULATED TO COUNTERBALANCE DOOR. QUANTITY AND SIZE OF SPRING WILL VARY BASE ON DOOR SIZE.

TOP FIXTURE
 FASTENED WITH (3) SHEET METAL SCREWS SEE DETAIL ON SHT 2

STEEL U-BAR REINFORCEMENT
 TWO (2) U-BARS PER SECTION FASTENED TO ALL CENTER AND END STILES USING (2) SHEET METAL SCREWS AT EACH LOCATION

INTERIOR LOCK
 TWO (2) REQ'D PER DOOR. LOCATE OPPOSITE EACH OTHER TO ENGAGE EACH TRACK 5/8" MIN. SEE DETAIL ON SHT 2

CORNER BRACKET
 FASTENED WITH (4) SHEET METAL SCREWS. SEE DETAIL ON SHT 2

VENTS (OPTIONAL)
 60 SQ. IN. OF VENT OPENINGS MAY BE LOCATED IN BOTTOM SECTION AS REQUIRED

DOOR HEIGHT	SECTION HEIGHTS							
	#1	#2	#3	#4	#5	#6	#7	#8
6'-6"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	---	---	---	---
6'-8"	22 1/2"	19 1/16"	19 1/16"	19 1/16"	---	---	---	---
6'-9"	19 1/2"	19 1/2"	19 1/2"	22 1/2"	---	---	---	---
7'-0"	22 1/2"	19 1/2"	19 1/2"	22 1/2"	---	---	---	---
7'-6"	22 1/2"	22 1/2"	22 1/2"	22 1/2"	---	---	---	---
8'-0"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	---	---	---
8'-6"	22 1/2"	19 1/16"	19 1/16"	19 1/16"	22 1/2"	---	---	---
9'-0"	22 1/2"	19 1/16"	22 1/2"	22 1/2"	22 1/2"	---	---	---
9'-6"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	---	---
10'-0"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	22 1/2"	---	---
10'-6"	22 1/2"	22 1/2"	19 1/2"	19 1/2"	19 1/2"	22 1/2"	---	---
11'-0"	22 1/2"	19 1/2"	22 1/2"	22 1/2"	22 1/2"	22 1/2"	---	---
12'-0"	22 1/2"	22 1/2"	19 1/16"	19 1/16"	19 1/16"	19 1/16"	22 1/2"	---
13'-0"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"
14'-0"	22 1/2"	22 1/2"	22 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	22 1/2"

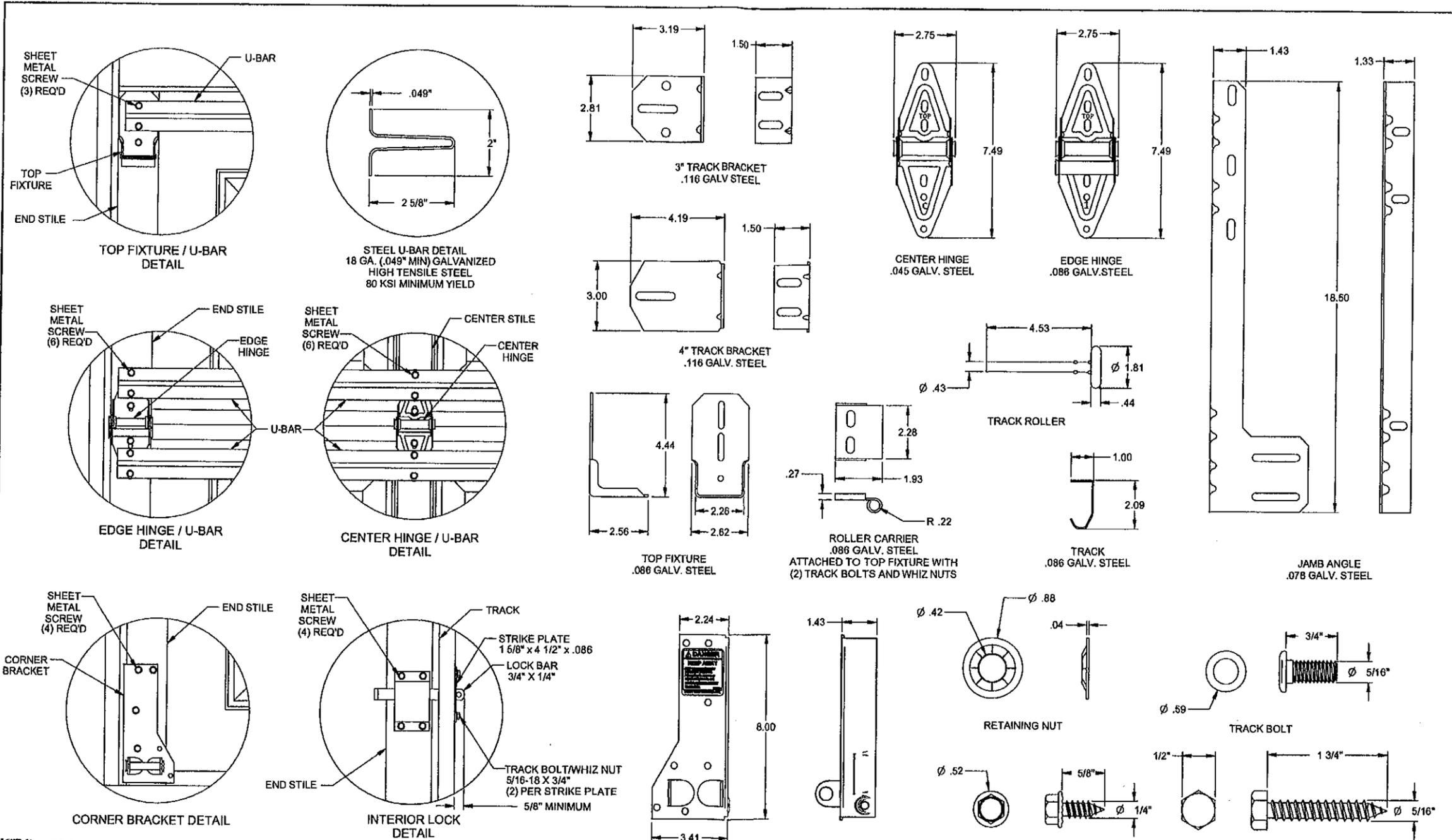
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 12-0517.10
 Expiration Date 11/10/2013
 Approved as complying with the Florida Building Code
 Date 11/06/2008
 NOAH 68-0703-11
 Miami Dade Product Control
 Division
 By *[Signature]*
 Miami Dade Product Control

DOORS TESTED PER TAS 202 FOR STATIC AIR PRESSURE
 TESTED PER TAS 201 AND TAS 203 FOR LARGE MISSILE IMPACT AND CYCLIC WIND PRESSURE
 DESIGN PRESSURE +52.0 / -58.0 PSF
 LARGE MISSILE IMPACT RESISTANT

[Signature]
 9-22-08
 Sheets 1, 2, 3 of 3

SCALE: NONE		DRAWN BY: G. WEDEKIND		TITL: SPEC, WINDLOAD DECADE	
B INCREASED TEXT HEIGHT, RELEASED FOR PRODUCTION		5319.001	08/29/08	CHECKED BY: G. WEDEKIND	
A PRELIMINARY RELEASE			07/31/07	DATE: 07/31/07	
REV.	DESCRIPTION	ECO	DATE	ECO: 5319.001	

RAYNOR
 1101 EAST RIVER ROAD
 DOOR, L 61021
 No. P-3304
 SHEET 1 OF 3
 REV B



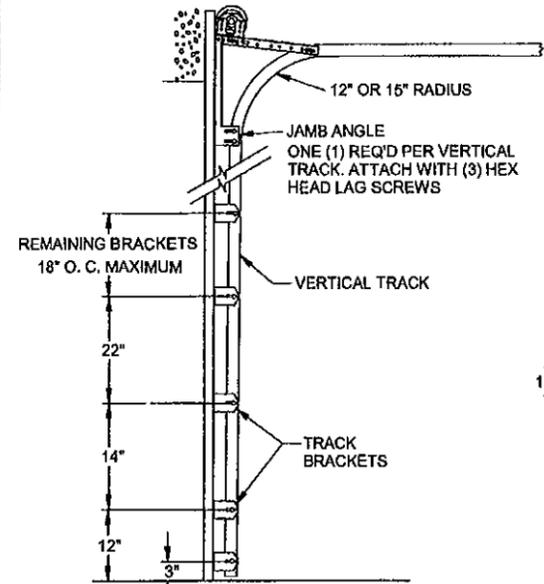
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 17-0517.10
Expiration Date 11/06/2013
By *[Signature]*
Miami Dade Product Control

Approved as complying with the Florida Building Code
Date 11/06/2008
NOA# 08-20703.11
Miami Dade Product Control Division
By *[Signature]*

DOORS TESTED PER TAS 202 FOR STATIC AIR PRESSURE
TESTED PER TAS 201 AND TAS 203 FOR LARGE MISSILE IMPACT AND CYCLIC WIND PRESSURE
DESIGN PRESSURE +52.0 / -58.0 PSF
LARGE MISSILE IMPACT RESISTANT

REV.	DESCRIPTION	ECO	DATE

SCALE: NONE	 1101 EAST RIVER ROAD DAVENPORT, FL 33421	TITLE: SPEC, WINDLOAD DECADE
DRAWN BY: G. WEDEKIND		NO. P-3304
CHECKED BY: G. WEDEKIND		
DATE: 07/31/07		SHEET 2 OF 3
ECO: 5242.001		REV B

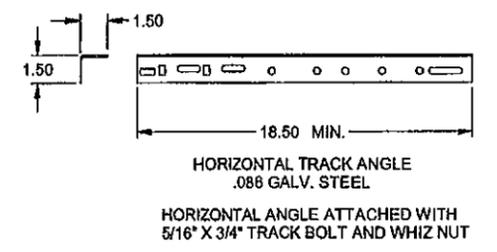


TYPICAL TRACK INSTALLATION

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0517.10
 Expiration Date 11/06/2013
 By [Signature]
 Miami Dade Product Control

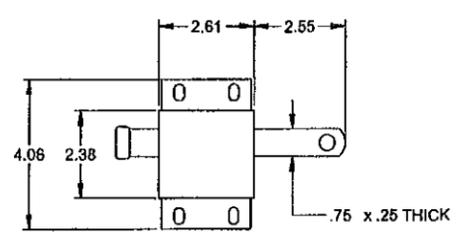
JAMB ATTACHMENT NOTES

- 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 = (9' X 52 PSF) / 2 = 234 LBS PER FOOT
- MAXIMUM NEGATIVE LOAD PER JAMB = (9' X 58 PSF) / 2 = 261 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.

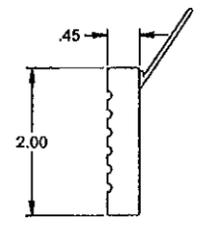


HORIZONTAL TRACK ANGLE
 .086 GALV. STEEL
 HORIZONTAL ANGLE ATTACHED WITH
 5/16" X 3/4" TRACK BOLT AND WHIZ NUT

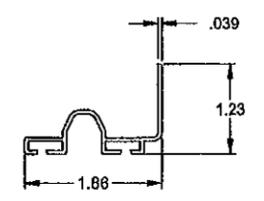
JAMB MATERIAL	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
GROUT FILLED BLOCK	5/16" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	4"	487	24 7/8"
3192 PSI CONCRETE	1/4" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	1"	510	26 1/8"
2899 PSI CONCRETE	5/16" DIA X 3 3/4" LONG ITW TAPCON	2 1/4"	1 9/16"	713	36 1/2"
2000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	360	18 1/2"
4000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	570	29 1/4"
WOOD DOUGLAS FIR (G=.48)	5/16" DIA. X 3 1/2"	1 1/2"	1"	353	18"
WOOD SYP (G=.61)	5/16" DIA. X 3 1/2"	1 1/2"	1"	460	23 1/2"



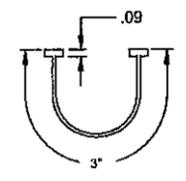
SLIDE LOCK CASE
 .086 GALV. STEEL



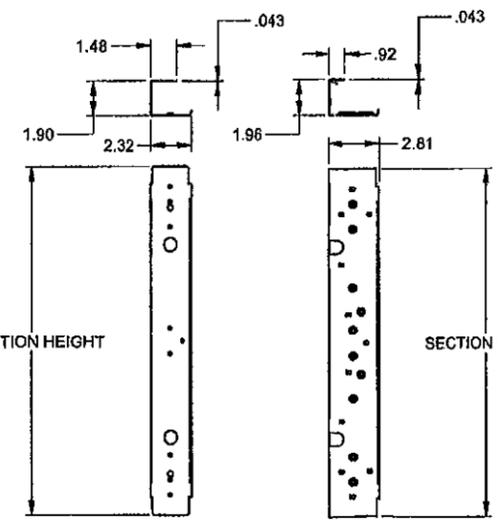
JAMB AND HEADER SEAL
 FOAMED PVC WITH FLEXIBLE PVC FLAP



ASTRAGAL RETAINER
 .039 ALUMINUM

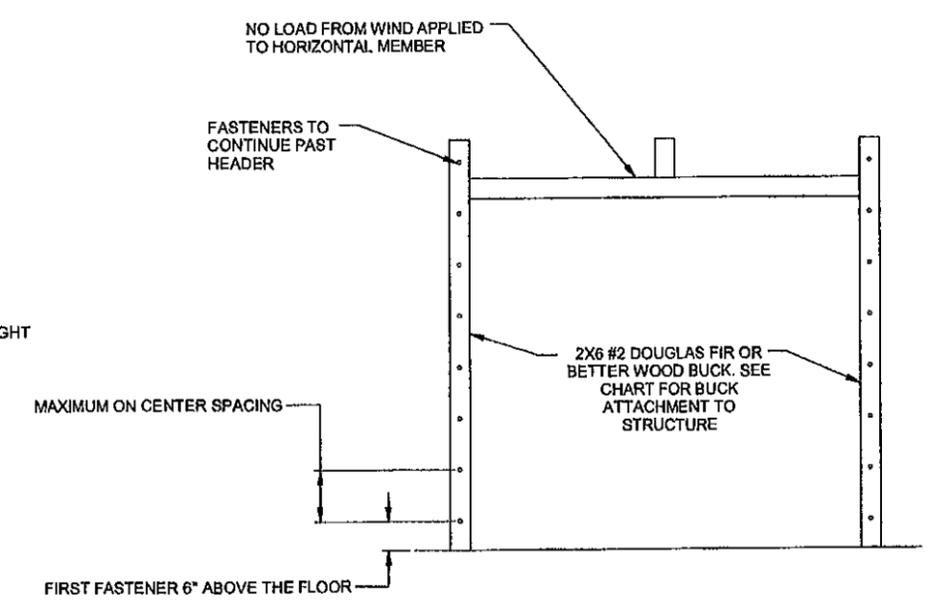


ASTRAGAL VINYL



CENTER STILE
 .043 GALV. STEEL

END STILE
 .043 GALV. STEEL



Approved as complying with the
 Florida Building Code
 Date 11/06/2008
 NOA# 08-0709-11
 Miami Dade Product Control
 Division [Signature]
 By [Signature]

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DRAWN BY: G. WEDEKIND		NO. P-3304
CHECKED BY: G. WEDEKIND		
DATE: 07/31/07		REV B
ECC: 5242.001		