



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/

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: Showcase / Masterpiece / TC200 Steel Sectional Garage Door up to 16'-0" Wide

APPROVAL DOCUMENT: Drawing No. P-3312, titled "Spec, Wind Load Showcase, Masterpiece, TC200", sheets 1 through 3 of 3, dated 10/23/2009, with revision B dated 06/16/2010, 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 # 10-0420.01 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.**



[Handwritten Signature]
 07/24/2012

NOA No. 12-0517.13
 Expiration Date: October 20, 2015
 Approval Date: August 2, 2012
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 10-0420.01”

1. Drawing No. P-3312, titled “Spec, Wind Load Showcase, Masterpiece, TC200”, sheets 1 through 3 of 3, dated 10/23/2009, with revision B dated 06/16/2010, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E.

B. TESTS “Submitted under NOA # 10-0420.01”

1. 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 16’x 7’ Showcase Sectional Steel Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. G493-1102-09, dated 02/03/2010, signed and sealed by Vinu J. Abraham, P.E.
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 7’ Showcase Sectional Steel Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. G493-1201-09, dated 02/03/2010, signed and sealed by Vinu J. Abraham, P.E.
3. 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 9’x 7’ Showcase Sectional Steel Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. G493-1201-09, dated 02/04/2010, signed and sealed by Vinu J. Abraham, P.E.
4. Test report on Forced Entry Resistance Test, per FBC 2411 3.2.1, TAS 202-94 of two (one TradeMark and one Showcase) 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.
5. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. 0037T, dated 01/20/2010, signed and sealed by Ramesh Patel, P.E.
6. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 04/12/2010, signed and sealed by Richard A. Baumann, P.E.


07/24/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0517.13

Expiration Date: October 20, 2015

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C. CALCULATIONS “Submitted under NOA # 10-0420.01”

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 04/13/2010, 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. 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 06/12/2008, 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 2010 FBC, issued by Wendler Engineering Services, Inc., dated 05/14/2012, signed and sealed by Richard A. Baumann, P.E.

“Submitted under NOA # 10-0420.01”

2. Statement letter of code conformance with FBC 2007, issued by Wendler Engineering Services, Inc., dated 04/12/2010, signed and sealed by Richard A. Baumann, P.E.
3. Statement letter of no financial interest issued by Wendler Engineering Services, Inc., dated 04/12/2010, signed and sealed by Richard A. Baumann, P.E.

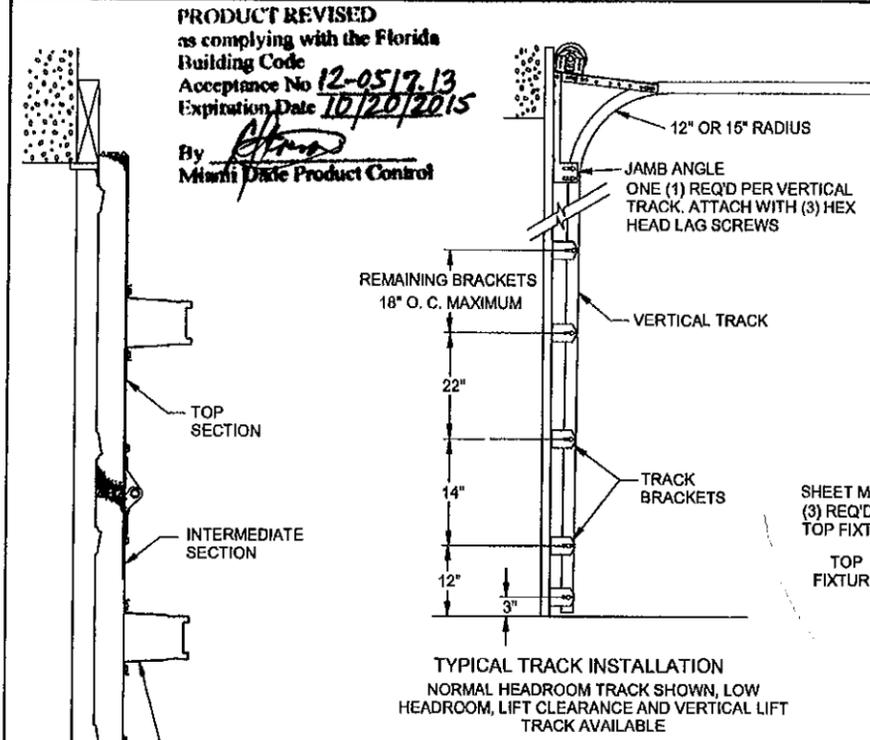


07/24/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0517.13

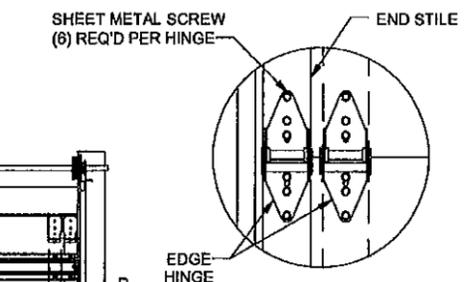
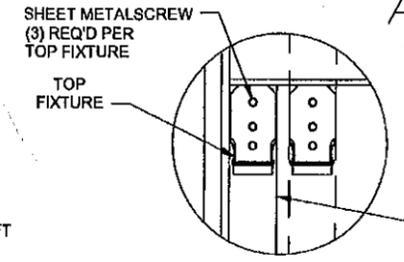
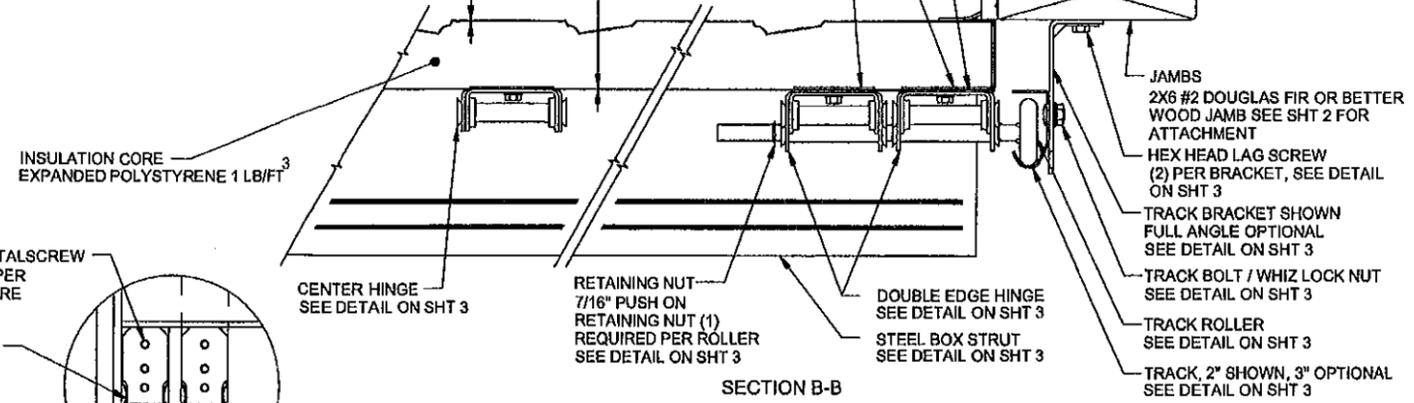
Expiration Date: October 20, 2015
Approval Date: August 2, 2012

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0517.13
 Expiration Date 10/20/2015
 By [Signature]
 Miami Dade Product Control

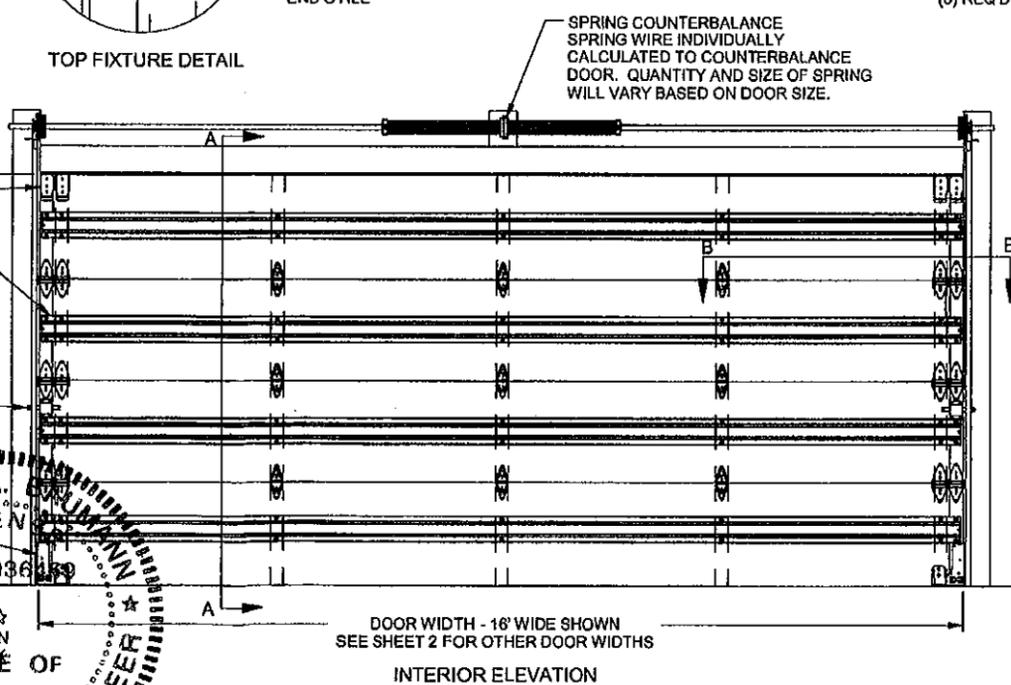
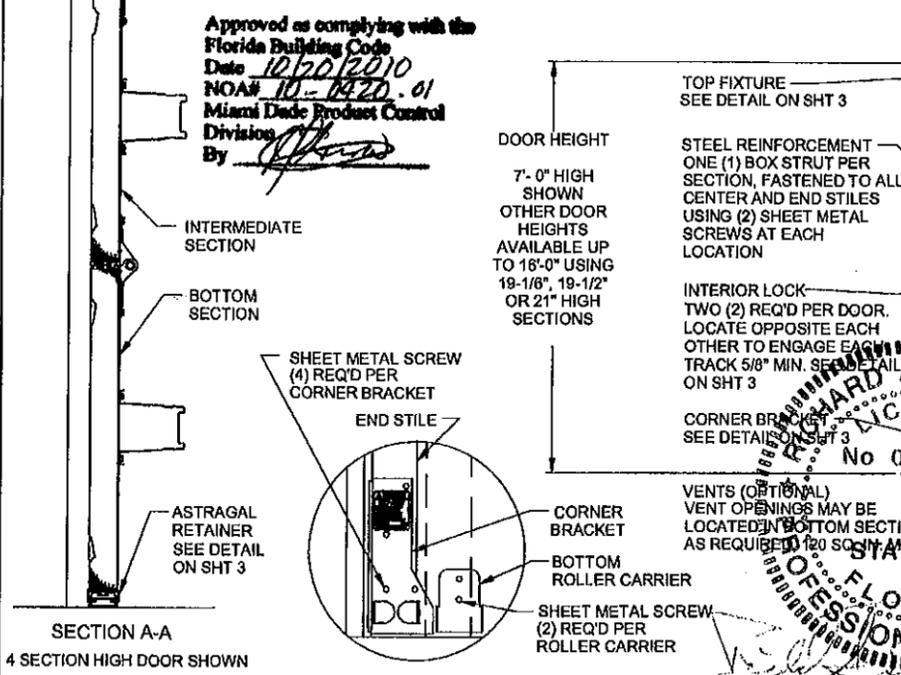


INTERIOR SKIN
 .0159 THICK G-40 GALVANIZED STEEL WITH AN EPOXY PRIMER AND BAKED ON POLYESTER FINISH WHICH IS ROLL-FORMED WITH WOOD GRAIN TEXTURE AND STAMPED WITH EMBOSSED PANELS FOR SHOWCASE AND MASTERPIECE OR SMOOTH FOR TC200. MINIMUM YIELD STRENGTH = 26760 PSI

EXTERIOR SKIN
 .0159 THICK G-40 GALVANIZED STEEL WITH AN EPOXY PRIMER AND BAKED ON POLYESTER FINISH WHICH IS ROLL-FORMED WITH WOOD GRAIN TEXTURE. MINIMUM YIELD STRENGTH = 26760 PSI.



Approved as complying with the
 Florida Building Code
 Date 10/20/2010
 NOA# 10-1020-01
 Miami Dade Product Control
 Division [Signature]
 By [Signature]



Richard A. [Signature]
 No 0036439
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

DOOR WIDTH	DESIGN LOAD
9' - 0"	+ 65.0 - 75.0
10' - 0"	+ 56.4 - 65.1
11' - 0"	+ 56.4 - 65.1
12' - 0"	+ 56.4 - 65.1
13' - 0"	+ 45.0 - 52.0
14' - 0"	+ 45.0 - 52.0
15' - 0"	+ 45.0 - 52.0
16' - 0"	+ 45.0 - 52.0

LARGE MISSILE IMPACT RESISTANT

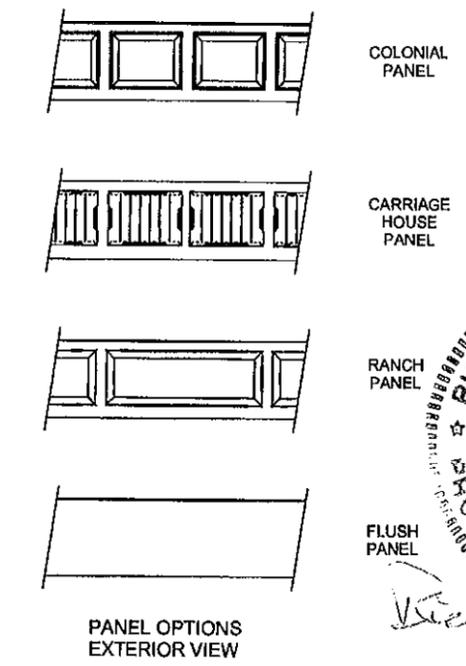
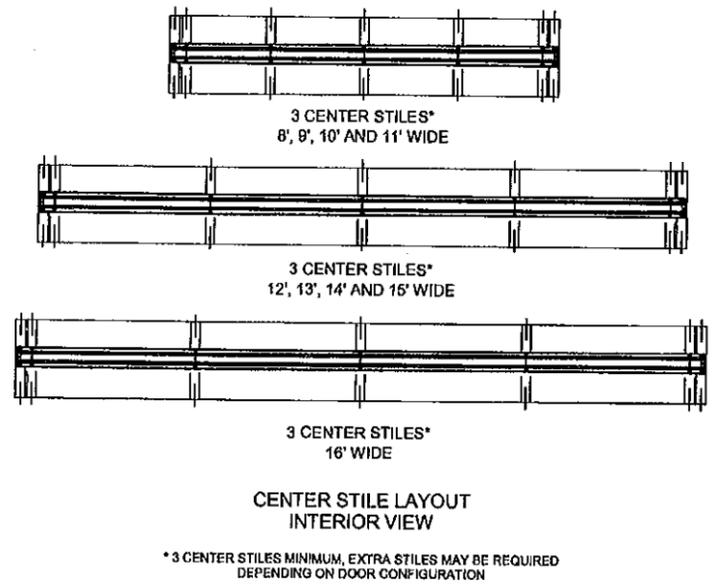
REV.	DESCRIPTION	ECO	DATE
B	RELEASED FOR PRODUCTION	5807.01	06/16/10
A	PRELIMINARY RELEASE		10/23/09

SCALE: NONE
 DRAWN BY: G. WEDEKIND
 CHECKED BY: G. WEDEKIND
 DATE: 10/23/09
 ECO: 5807.01

RAYNOR
 1101 EAST RIVER ROAD
 DOOR, L. 81021

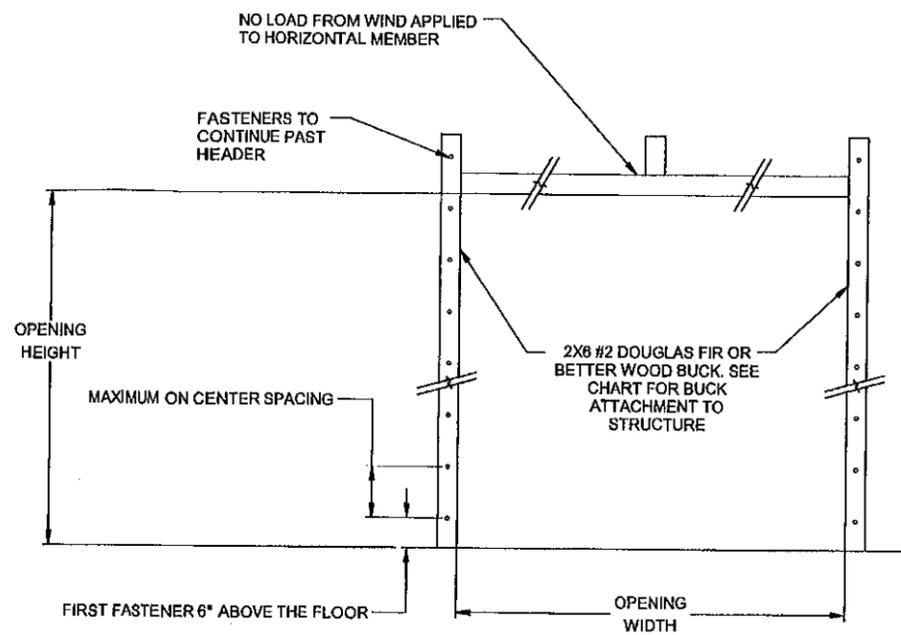
TITLE:
 SPEC, WINDLOAD
 SHOWCASE, MASTERPIECE, TC200

NO. P-3312
 SHEET 1 OF 3
 REV B



RICHARD A. BAUMANN
 LICENSE
 No 0036469
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

Richard A. Baumann
 1-20-2010



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No **12-0517.13**
 Expiration Date **10/20/2015**
 By *[Signature]*
 Miami/Dade Product Control

JAMB ATTACHMENT NOTES

1. 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
2. 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER.
3. MAXIMUM POSITIVE LOAD PER JAMB = (16' X 45 PSF) / 2 = 360 LBS PER FOOT
4. MAXIMUM NEGATIVE LOAD PER JAMB = (16' X 52 PSF) / 2 = 416 LBS PER FOOT.
5. 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.

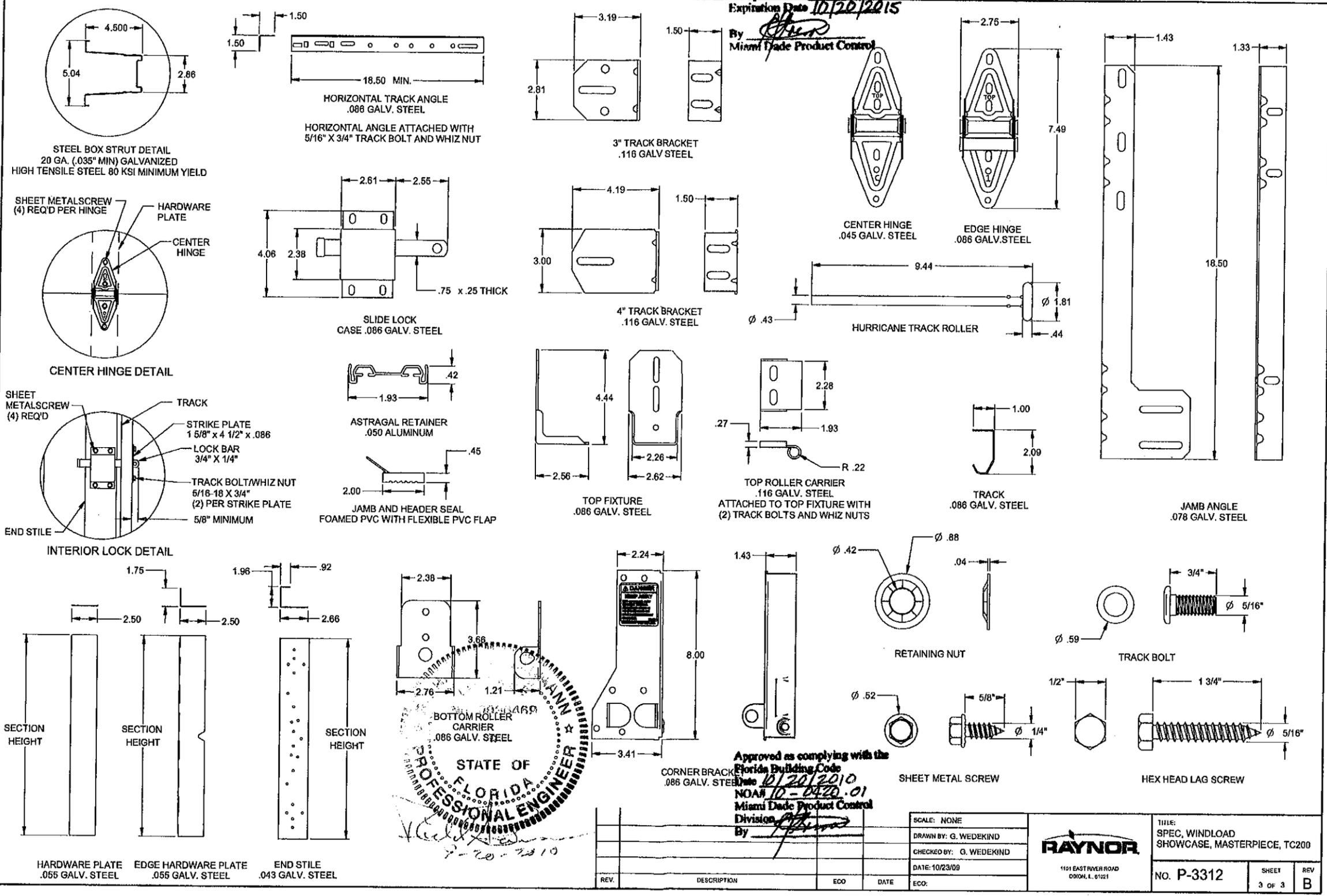
Approved as complying with the
 Florida Building Code
 Date **10/20/2010**
 NOAH **10-0420-01**
 Miami/Dade Product Control
 Division *[Signature]*
 By *[Signature]*

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	16-1/4"
3192 PSICONCRETE	1/4" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	1"	510	17"
2899 PSICONCRETE	5/16" DIA X 3 3/4" LONG ITW TAPCON	2 1/4"	1 9/16"	713	23-3/4"
2000 PSICONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	360	12"
4000 PSICONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	570	19"
WOOD DOUGLAS FIR (G=46)	5/16" DIA. X 3 1/2"	1 1/2"	1"	352	11-3/4"
WOOD SYP (G=55)	5/16" DIA. X 3 1/2"	1 1/2"	1"	460	15-1/4"

	SCALE: NONE	 1101 EAST RIVER ROAD DIXON, L. 61021	TITLE: SPEC, WINDLOAD SHOWCASE, MASTERPIECE, TC200		
	DRAWN BY: G. WEDEKIND		NO. P-3312	SHEET	REV
	CHECKED BY: G. WEDEKIND			2 of 3	B
	DATE: 10/23/09				
REV.	DESCRIPTION	ECO	DATE	ECO	

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0512.13
 Expiration Date 10/20/2015

By *[Signature]*
 Miami Dade Product Control



STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 NOAH 10-0420.01
 7-20-2010

Approved as complying with the
 Florida Building Code
 Date 10/20/2010
 NOAH 10-0420.01
 Miami Dade Product Control
 Division *[Signature]*
 By *[Signature]*

REV.	DESCRIPTION	ECO	DATE

SCALE: NONE	 1101 EAST RIVER ROAD OXON, L. 01021	TITLE: SPEC, WINDLOAD SHOWCASE, MASTERPIECE, TC200
DRAWN BY: G. WEDEKIND		NO. P-3312
CHECKED BY: G. WEDEKIND		SHEET 3 OF 3
DATE: 10/23/09	ECO:	REV B