



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
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/economy](http://www.miamidade.gov/economy)

**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 RER-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. RER 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:

**Steel Form Standard 24- and 20-Gauges Steel Sectional Garage Door up to 18ft.-2in. wide**

**APPROVAL DOCUMENT:** Drawing No. **P-3313**, titled "Spec, Wind Load Steel Form Standard 24- and 20-Gauges", sheets 1 through 4 of 4, dated 02/25/2010, with revision **D** dated 10/20/2020, prepared by the manufacturer, signed and sealed by Scott A. Brown, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and the 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 and renews NOA #17-1026.18** 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.**



**NOA-No. 20-1104.14**  
**Expiration Date: 03/10/2026**  
**Approval Date: 02/18/2021**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**

**A. DRAWINGS “Submitted under NOA # 10-0921.06”**

1. Drawing No **P-3313**, titled “Spec, Wind Load Steelform Standard 24- and 20-Gauges”, sheets 1 through 4 of 4, dated 02/25/2010, with revision **C** dated 01/18/2011, prepared by the manufacturer, signed and sealed by Richard A. Baumann, P.E.

**B. TESTS “Submitted under NOA # 10-0921.06”**

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 203-94Along with marked-up drawings and installation diagram of 110”, 146” and 218” Wide Steelform Sectional Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0301-10**, dated 08/10/2010, signed and sealed by Vinu J. Abraham, P.E.
2. 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.
3. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. **0205T**, dated 03/30/2010, signed and sealed by Ramesh Patel, P.E.
4. Test report on Salt Spray per ASTM B117-90 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 09/17/2010, signed and sealed by Richard A. Baumann, P.E.

**C. CALCULATIONS “Submitted under NOA # 10-0921.06”**

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 09/16/2010, signed and sealed by Richard A. Baumann, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to the **5<sup>th</sup> edition (2010) FBC** and of no financial interest issued by Wendler Engineering Services, Inc., dated 12/16/2015, signed and sealed by Richard A. Baumann, P.E.



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**Carlos M. Utrera, P.E**  
**Product Control Examiner**  
**NOA-No. 20-1104.14**  
**Expiration Date: 03/10/2026**  
**Approval Date: 02/18/2021**

**Raynor Garage Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. EVIDENCE SUBMITTED UNDER NOA # 17-1026.18**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. STATEMENTS**

1. *Statement letter of code conformance to the 6<sup>th</sup> edition (2017) FBC issued by Wendler Engineering Services, Inc., dated 10/24/2017, signed and sealed by Richard A. Baumann, P.E.*

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **P-3313**, titled "Spec, Wind Load Steel Form Standard 24- and 20- Gauges", sheets 1 through 4 of 4, dated 02/25/2010, with revision **D** dated 10/20/2020, prepared by the manufacturer, signed and sealed by Scott A. Brown, P.E.

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *Miami-Dade Department of Regulatory and Economic Resources (RER).*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. STATEMENTS**

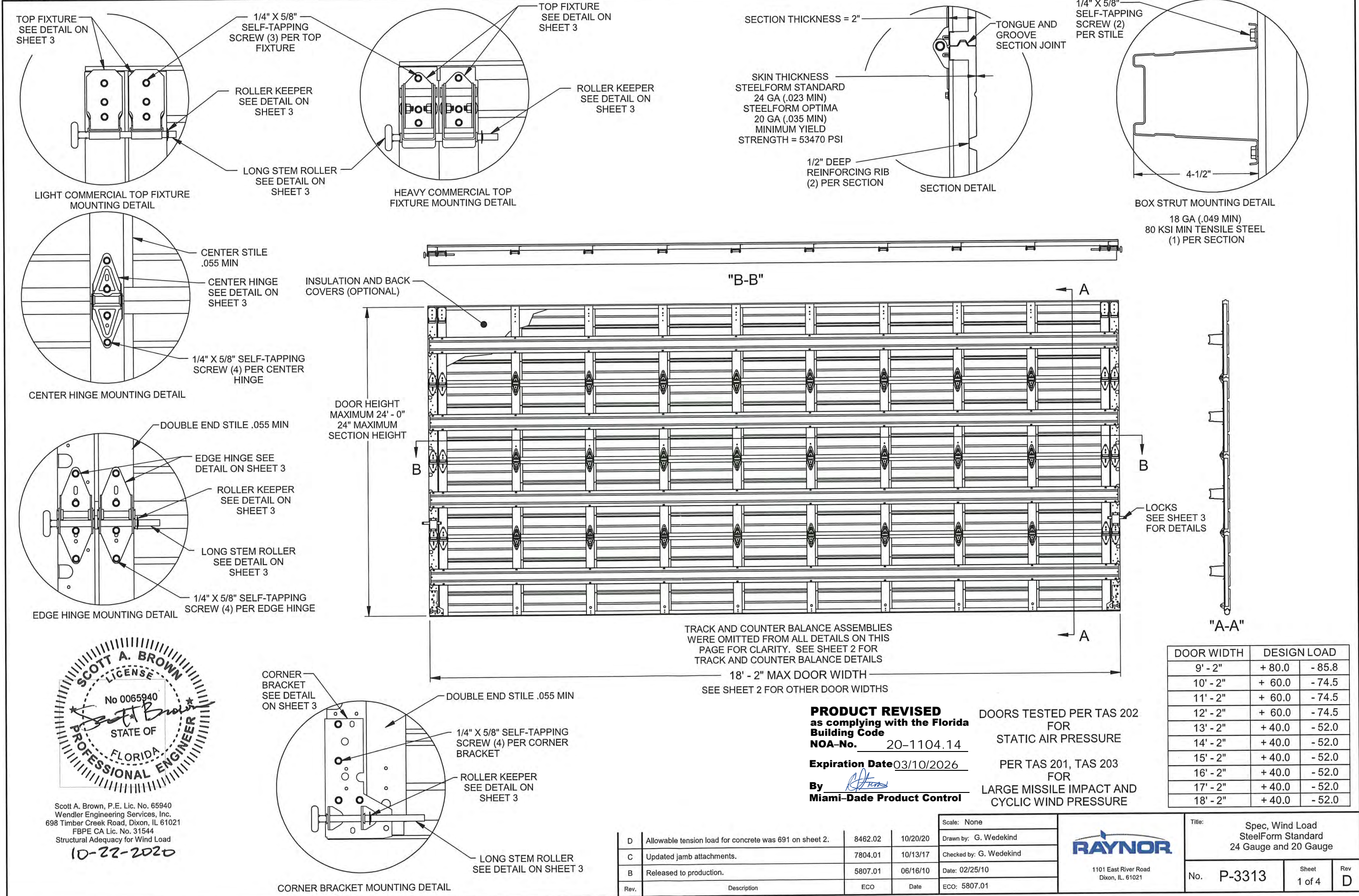
1. *Statement letter of code conformance to 7<sup>th</sup> Edition (2020) FBC, issued by Wendler Engineering Services, Inc., dated 09/30/2020, signed and sealed by Scott A. Brown, P.E.*
2. *Statement letter of no financial interest, dated 10/22/2020, issued by Wendler Engineering Services, Inc., signed and sealed by Scott A. Brown, P.E.*



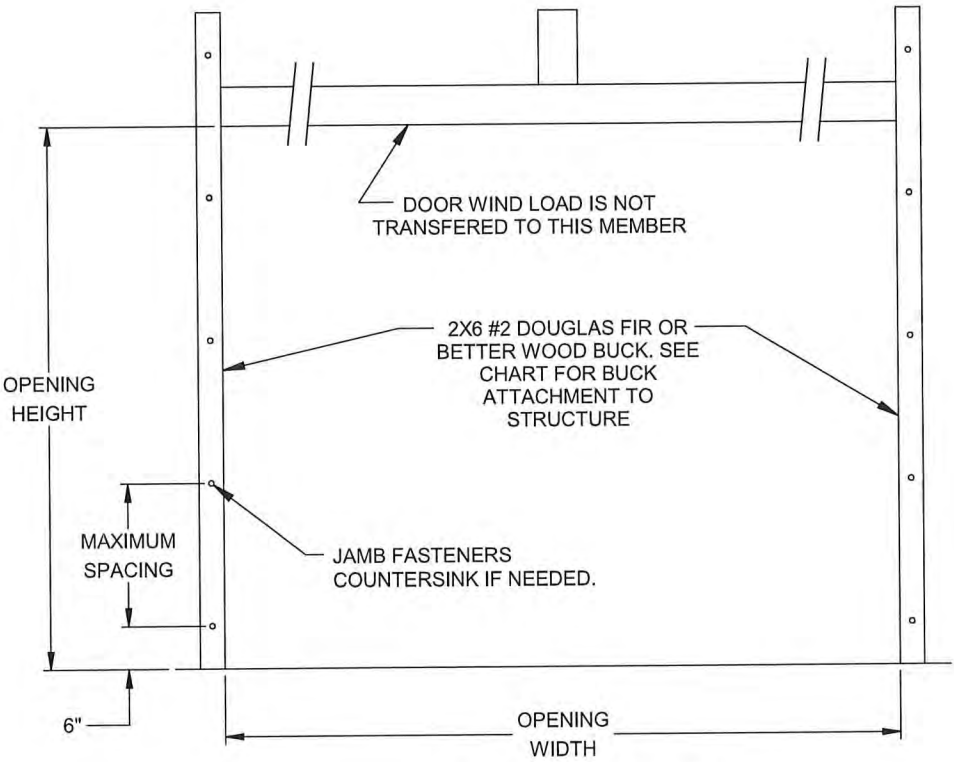
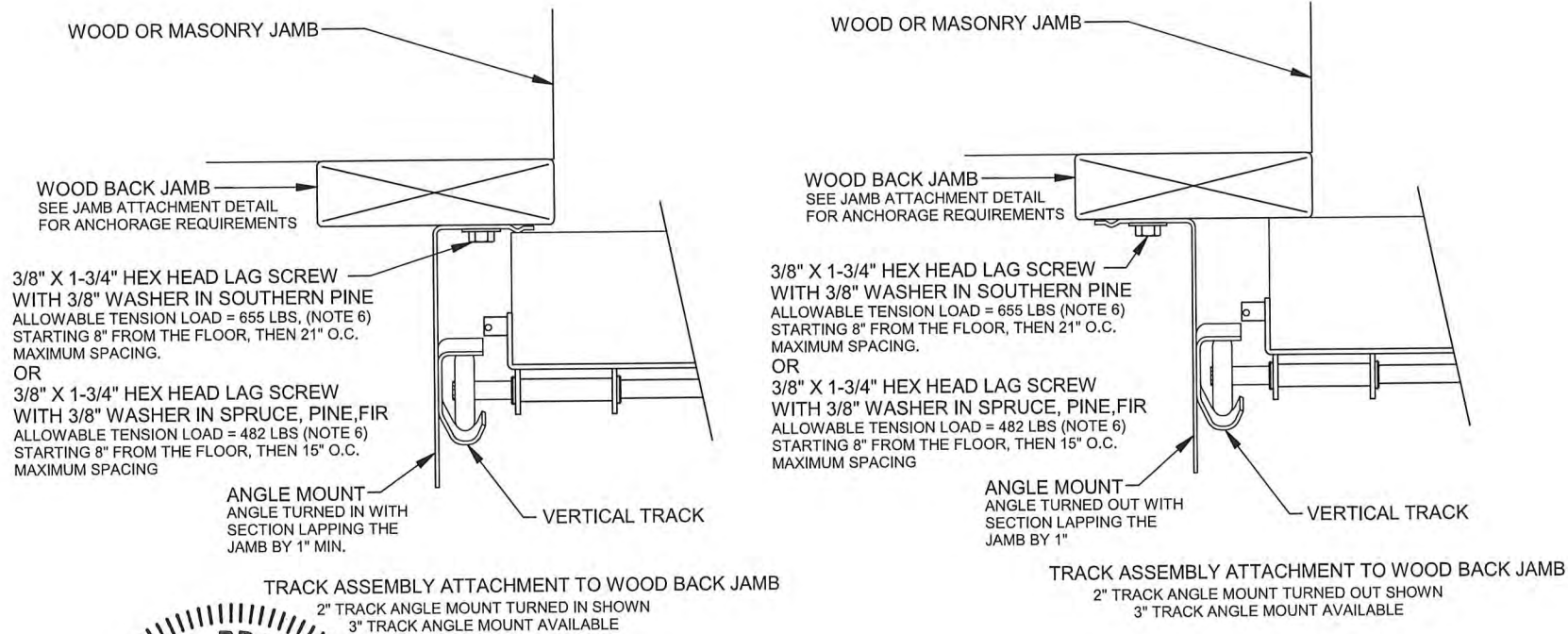
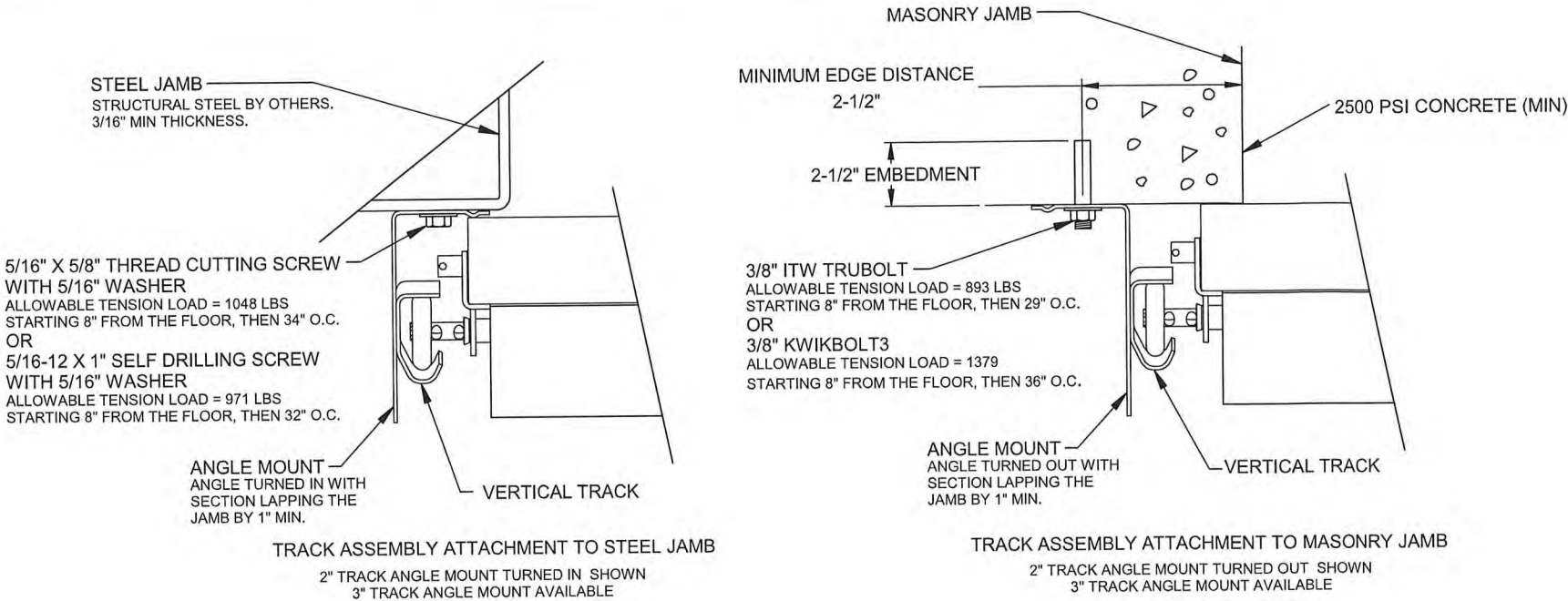
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**Carlos M. Utrera, P.E**  
**Product Control Examiner**  
**NOA-No. 20-1104.14**  
**Expiration Date: 03/10/2026**  
**Approval Date: 02/18/2021**









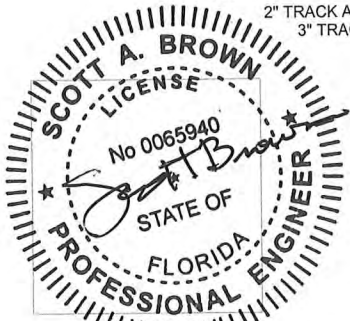
JAMB ATTACHMENT

JAMB ATTACHMENT NOTES:

1. MAXIMUM POSITIVE LOAD PER JAMB = (18'-2" X 40.0 PSF) / 2 = 363 LBS PER FOOT
2. MAXIMUM NEGATIVE LOAD PER JAMB = (18'-2" X -52.0 PSF) / 2 = 473 LBS PER FOOT.
3. 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 1 AND 2.
4. ALTERNATE JAMB ATTACHMENTS MAY BE USED IF APPROVED BY A REGISTERED PROFESSIONAL ENGINEER.
5. DASMA TECHNICAL DATA SHEET TDS-161 MAY BE USED FOR ALTERNATE JAMB ATTACHMENTS.
6. 3/8" DIAMETER LAG SCREWS REQUIRED 1/16" PILOT HOLE AND 1-1/2" MINIMUM EDGE DISTANCE.

2X6 ATTACHMENT TO STRUCTURE						
STRUCTURE TYPE	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	MINIMUM ON CENTER SPACING	DIMENSION A (MAXIMUM ON CENTER SPACING)	ALLOWABLE TENSION LOAD
2500 PSI MIN. CONCRETE	1/4" TAPCON+ (PLUS) WITH 1-1/8" OD WASHER	2"	2.5	6"	17"	526
SOUTHERN PINE	3/8" X 3" LAG WITH 1-1/8" OD WASHER	1.50"	1.50"	1.50"	21"	655
SPRUCE PINE FIR	3/8" X 3" LAG WITH 1-1/8" OD WASHER	1.50"	1.50"	1.50"	15"	482

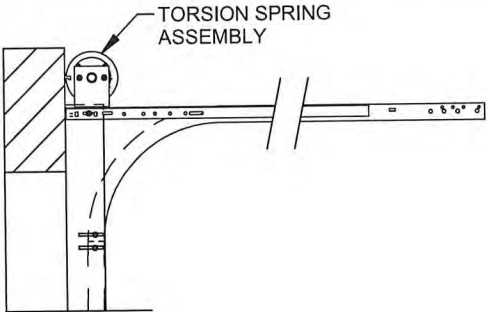
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-1104.14  
Expiration Date 03/10/2026  
By   
Miami-Dade Product Control



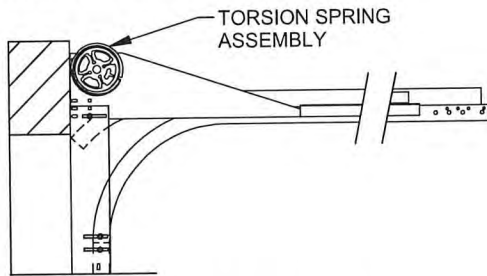
Scott A. Brown, P.E. Lic. No. 65940  
Wendler Engineering Services, Inc.  
698 Timber Creek Road, Dixon, IL 61021  
FBPE CA Lic. No. 31544  
Structural Adequacy for Wind Load  
10-22-2020

Scale: None	 1101 East River Road Dixon, IL 61021	Title: Spec, Wind Load SteelForm Standard 24 Gauge and 20 Gauge		
Drawn by: G. Wedekind				
Checked by: G. Wedekind				
Date: 02/25/10				
ECO: 5807.01				
No. P-3313	Sheet 2	Rev D		

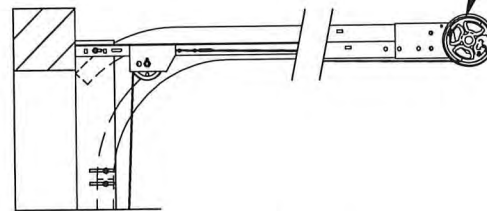




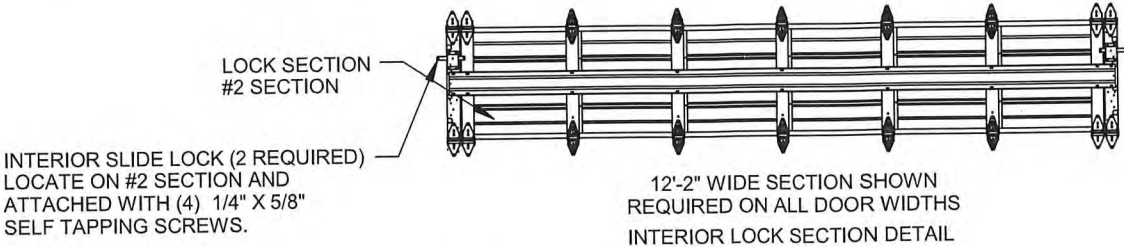
NORMAL HEADROOM TRACK  
2" TRACK ANGLE MOUNT SHOWN  
3" TRACK ANGLE MOUNT AVAILABLE



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

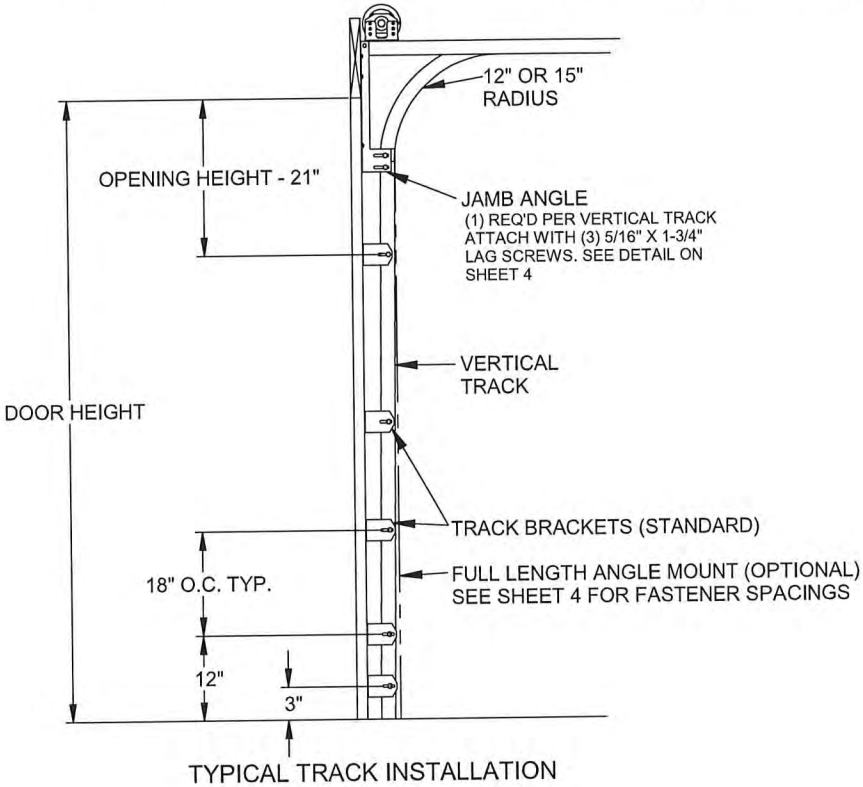


REAR MOUNT LOW HEADROOM TRACK  
2" TRACK ANGLE MOUNT SHOWN  
3" TRACK ANGLE MOUNT AVAILABLE

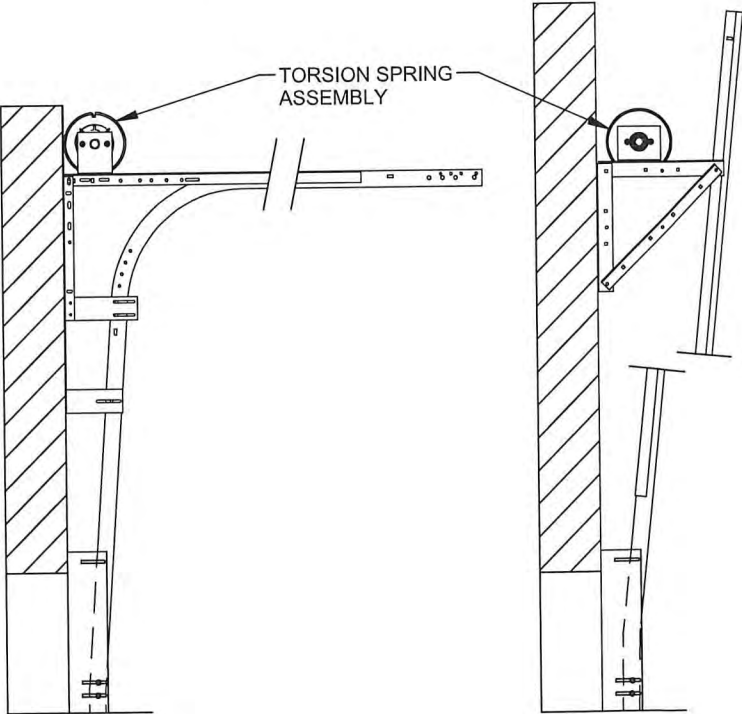


LOCK SECTION #2 SECTION  
INTERIOR SLIDE LOCK (2 REQUIRED)  
LOCATE ON #2 SECTION AND  
ATTACHED WITH (4) 1/4" X 5/8"  
SELF TAPPING SCREWS.

12'-2" WIDE SECTION SHOWN  
REQUIRED ON ALL DOOR WIDTHS  
INTERIOR LOCK SECTION DETAIL

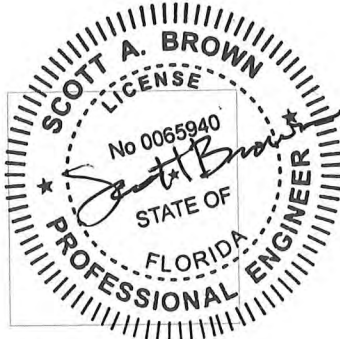
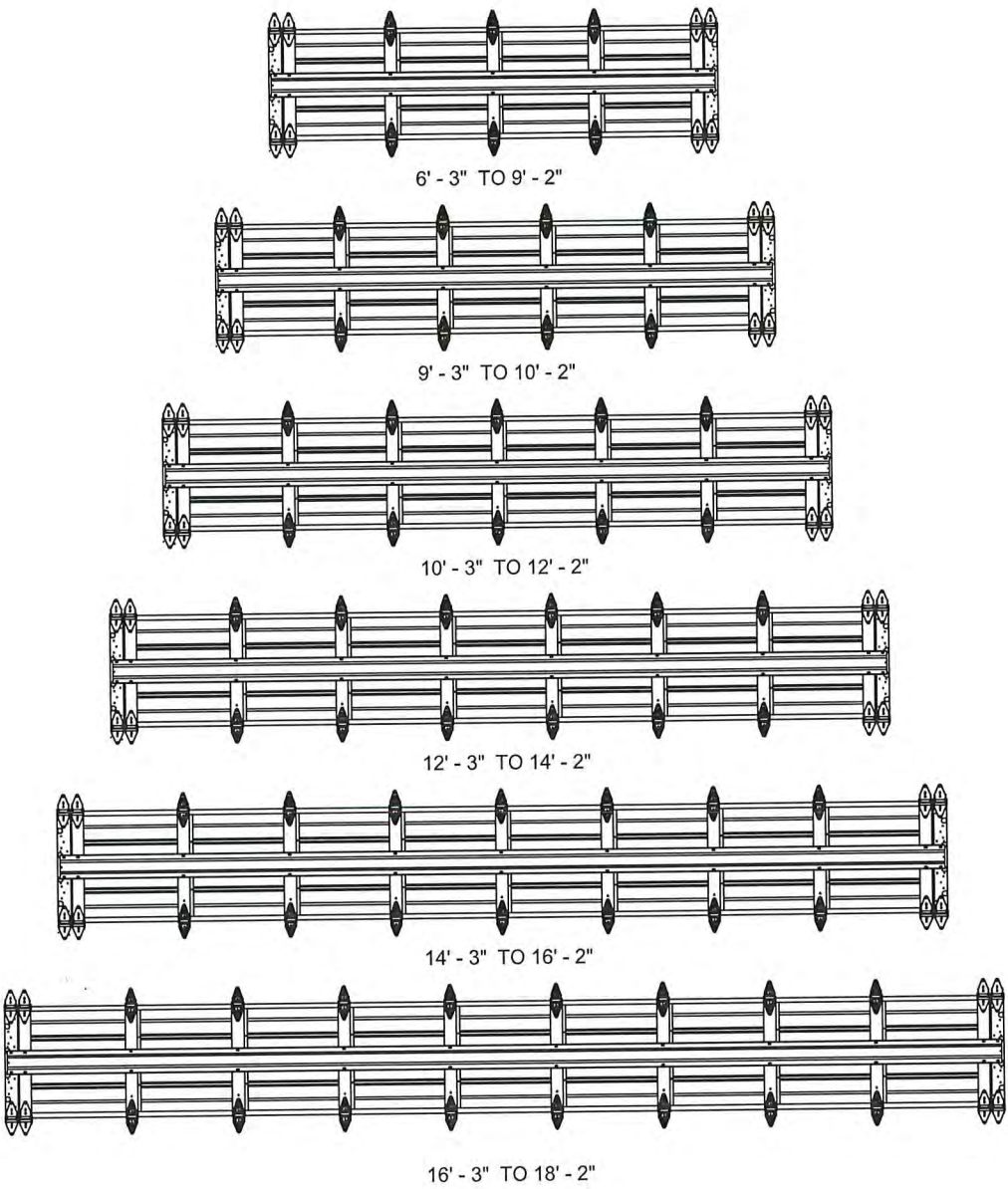


TYPICAL TRACK INSTALLATION



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

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

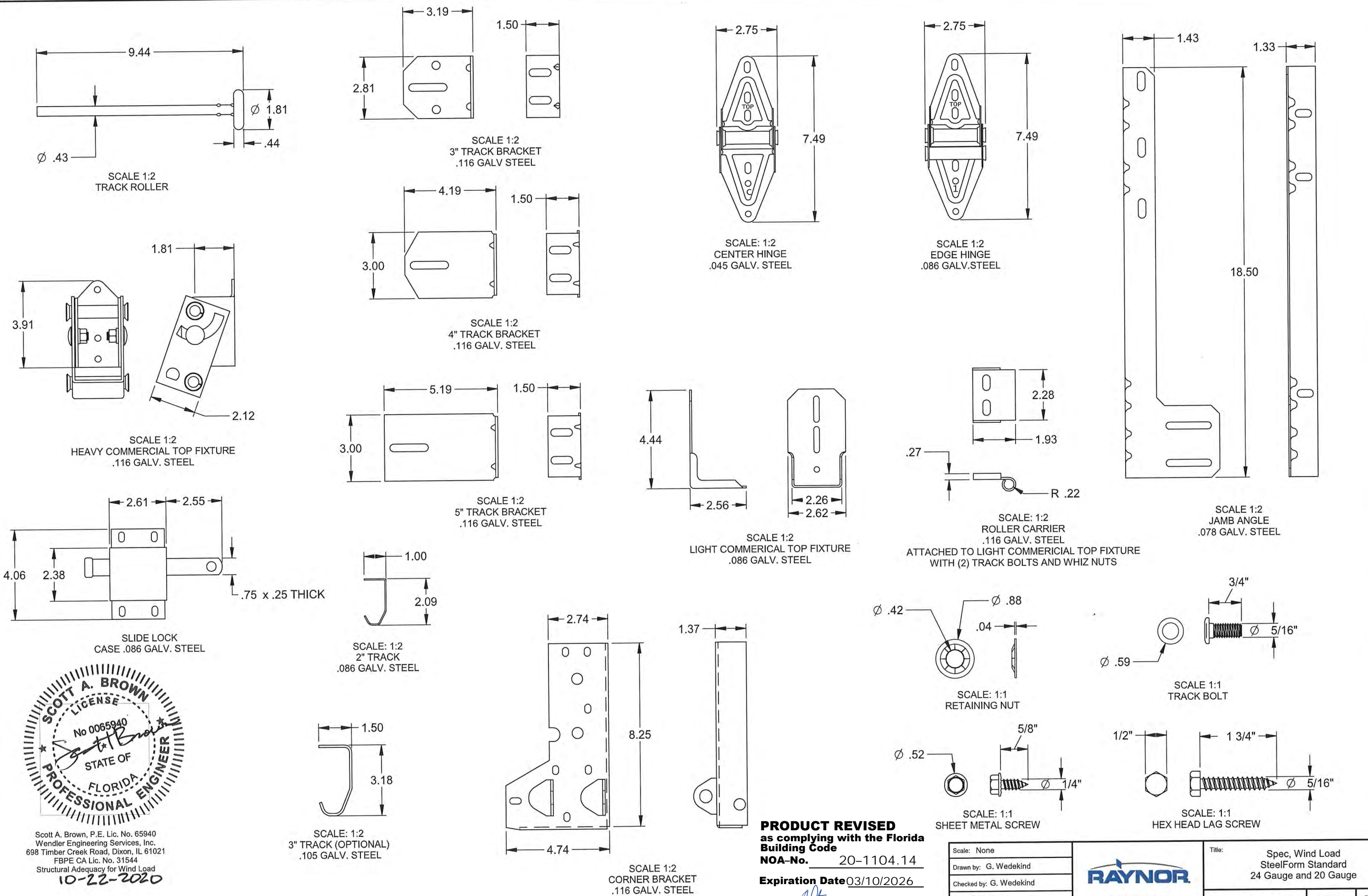


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Wendler Engineering Services, Inc.  
698 Timber Creek Road, Dixon, IL 61021  
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Structural Adequacy for Wind Load  
10-22-2020

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Expiration Date 03/10/2026  
By *[Signature]*  
Miami-Dade Product Control


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Drawn by: G. Wedekind		No. P-3313	Sheet 3
Checked by: G. Wedekind			
Date: 02/25/10			
ECO: 5807.01			Rev D





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Wendler Engineering Services, Inc.  
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Drawn by: G. Wedekind		No. P-3313	Sheet 4
Checked by: G. Wedekind			
Date: 02/25/10		Rev D	
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