



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: Showcase / Masterpiece / TC200 Steel Sectional Garage Door up to 18'-0" Wide**

**APPROVAL DOCUMENT:** Drawing No. P-3309, titled "Spec. Wind Load Showcase/Masterpiece/TC200 18'-0" wide max. door width", sheets 1 through 3 of 3, dated 01/04/2008, with last revision B dated 11/18/2008, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, 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 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 renews NOA # 12-0517.09 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 and date: 10/30/2013*

NOA No. 13-0829.14  
 Expiration Date: December 24, 2018  
 Approval Date: November 7, 2013  
 Page 1

Raynor Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS “Submitted under NOA # 08-0709.10”**

1. Drawing No. P-3309, titled “Spec. Wind Load Showcase/Masterpiece/TC200 18’-0” wide max. door width”, sheets 1 through 3 of 3, dated 01/04/2008, with last revision B dated 11/18/2008, prepared by Raynor Garage Doors, 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 # 08-0709.10”**

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 an 18’x 8’ Showcase/Masterpiece/TC200 Sectional Steel Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. G493-0107-08, dated 03/12/2008, 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) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
Along with marked-up drawings and installation diagram of an 18’x 7’ Showcase/Masterpiece/TC200 Sectional Steel Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. G493-0205-08, dated 03/13/2008, signed and sealed by Vinu J. Abraham, P.E.
4. 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.
5. 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.

  
10/30/2013

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 13-0829.14

Expiration Date: December 24, 2018

Approval Date: November 7, 2013

Raynor Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**C. CALCULATIONS “Submitted under NOA # 08-0709.10”**

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**

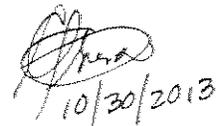
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**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.

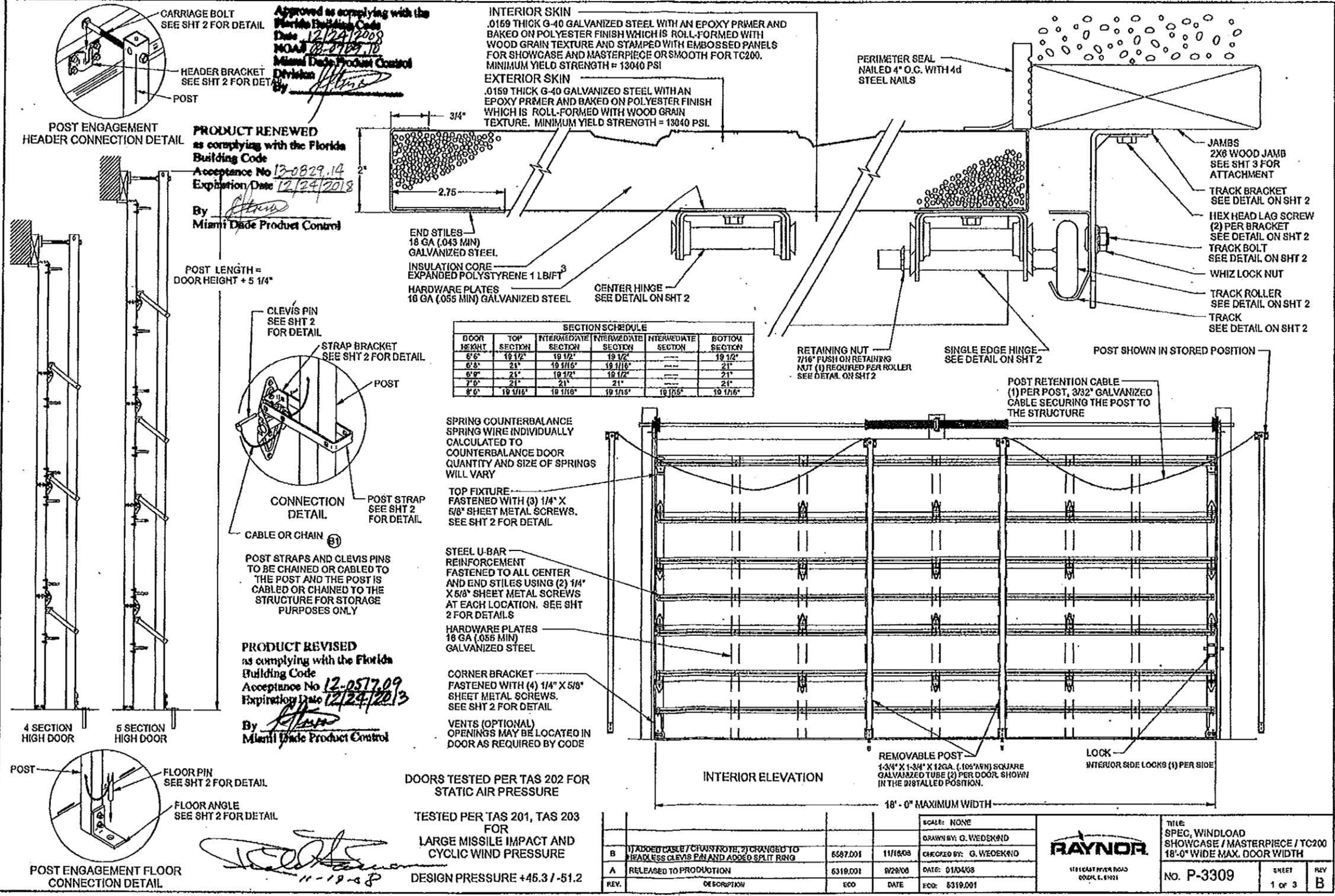
**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC issued by Wendler Engineering Services, Inc., dated 08/26/2013, signed and sealed by Richard A. Baumann, P.E.  
  
“Submitted under NOA # 08-0709.10”
2. 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.



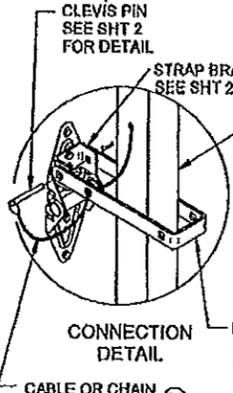
---

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 13-0829.14  
Expiration Date: December 24, 2018  
Approval Date: November 7, 2013



Approved as complying with the Florida Building Code  
 Date 12/24/2008  
 MOA 12-2185-10  
 Miami Dade Product Control  
 Division *[Signature]*

PRODUCT RENEWED  
 as complying with the Florida Building Code  
 Acceptance No 13-0829.14  
 Expiration Date 12/24/2013  
 By *[Signature]*  
 Miami Dade Product Control

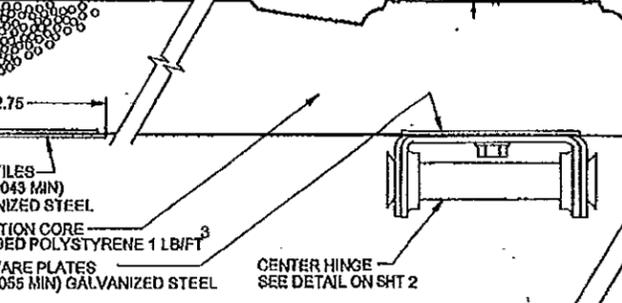


POST STRAPS AND CLEVIS PINS TO BE CHAINED OR CABLED TO THE POST AND THE POST IS CABLED OR CHAINED TO THE STRUCTURE FOR STORAGE PURPOSES ONLY

PRODUCT REVISED  
 as complying with the Florida Building Code  
 Acceptance No 12-0577.09  
 Expiration Date 12/24/2013  
 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 = 13040 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 = 13040 PSI



DOOR HEIGHT	SECTION SCHEDULE				
	TOP SECTION	INTERMEDIATE SECTION	INTERMEDIATE SECTION	INTERMEDIATE SECTION	BOTTOM SECTION
6'6"	19 1/2"	19 1/2"	19 1/2"	19 1/2"	19 1/2"
6'8"	21"	19 3/8"	19 3/8"	19 3/8"	21"
6'9"	21"	19 1/2"	19 1/2"	19 1/2"	21"
7'0"	21"	21"	21"	21"	21"
8'0"	19 1/8"	19 1/8"	19 1/8"	19 1/8"	19 1/8"

SPRING COUNTERBALANCE  
 SPRING WIRE INDIVIDUALLY CALCULATED TO COUNTERBALANCE DOOR QUANTITY AND SIZE OF SPRINGS WILL VARY

TOP FIXTURE  
 FASTENED WITH (3) 1/4" X 5/8" SHEET METAL SCREWS. SEE SHT 2 FOR DETAIL

STEEL U-BAR REINFORCEMENT  
 FASTENED TO ALL CENTER AND END STILES USING (2) 1/4" X 5/8" SHEET METAL SCREWS AT EACH LOCATION. SEE SHT 2 FOR DETAILS

HARDWARE PLATES 18 GA (.055 MIN) GALVANIZED STEEL

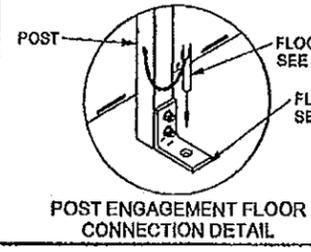
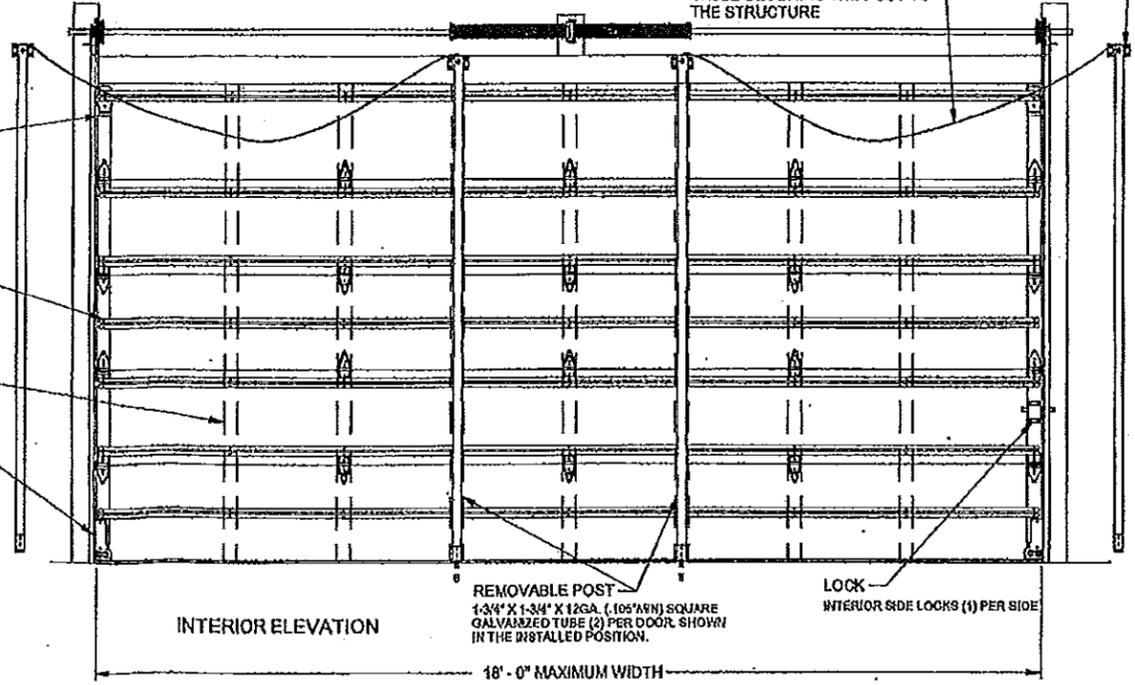
CORNER BRACKET  
 FASTENED WITH (4) 1/4" X 5/8" SHEET METAL SCREWS. SEE SHT 2 FOR DETAIL

VENTS (OPTIONAL)  
 OPENINGS MAY BE LOCATED IN DOOR AS REQUIRED BY CODE

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 +45.3 / -51.2



REV.	DESCRIPTION	ECO	DATE	ECO	DATE
B	1) ADDED CABLE / CHAIN NOTE, 2) CHANGED TO HEADLESS CLEVIS PIN AND ADDED SPLIT RING	6587.001	11/18/08		
A	RELEASED TO PRODUCTION	6318.001	02/28/06		

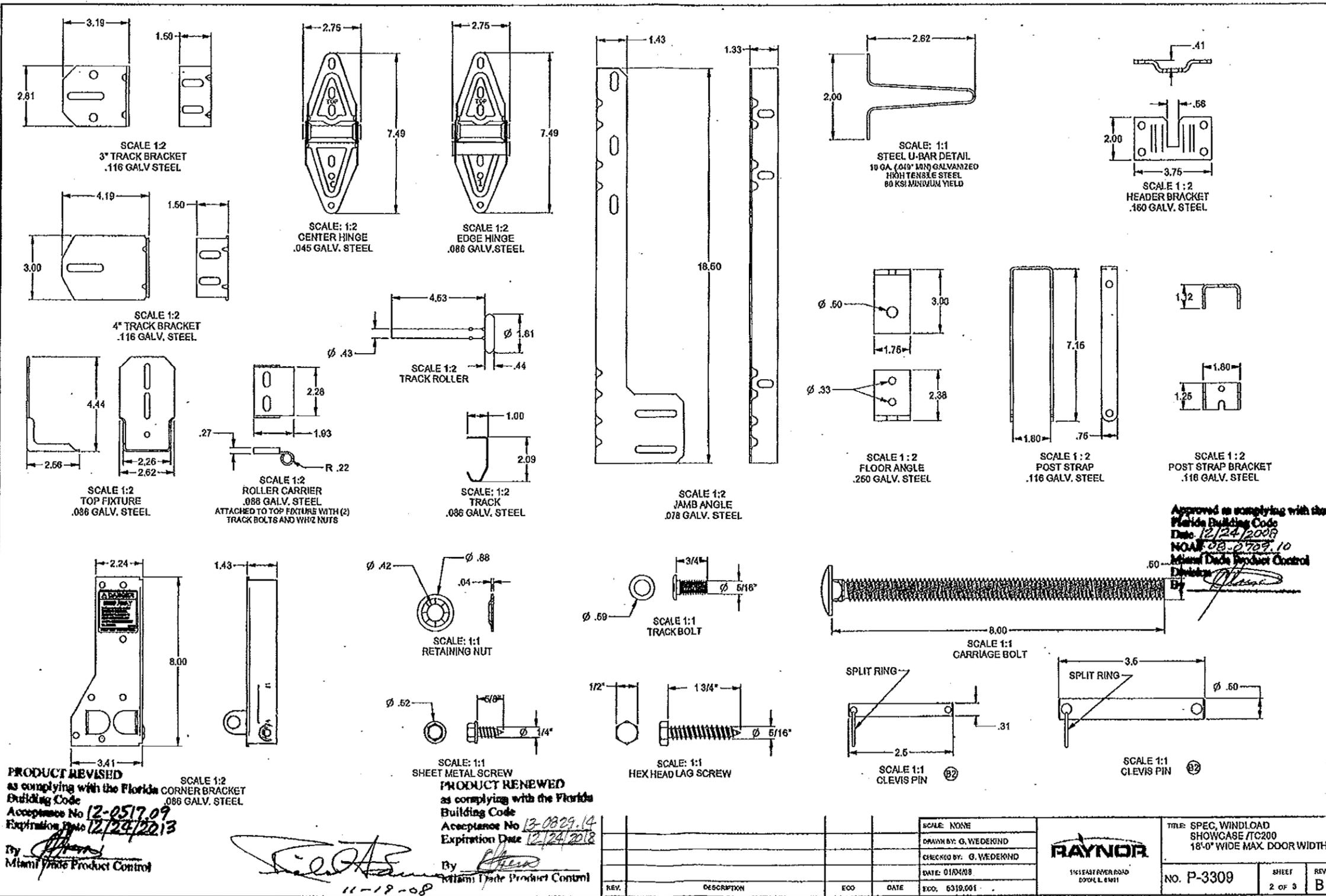


SCALE: NONE  
 DRAWN BY: G. WEDEKIND  
 CHECKED BY: G. WEDEKIND  
 DATE: 01/04/08  
 ECO: 6318.001

TITLE:  
 SPEC, WINDLOAD  
 SHOWCASE / MASTERPIECE / TC200  
 18'-0" WIDE MAX. DOOR WIDTH

No. P-3309

SHEET	REV
1 of 3	B

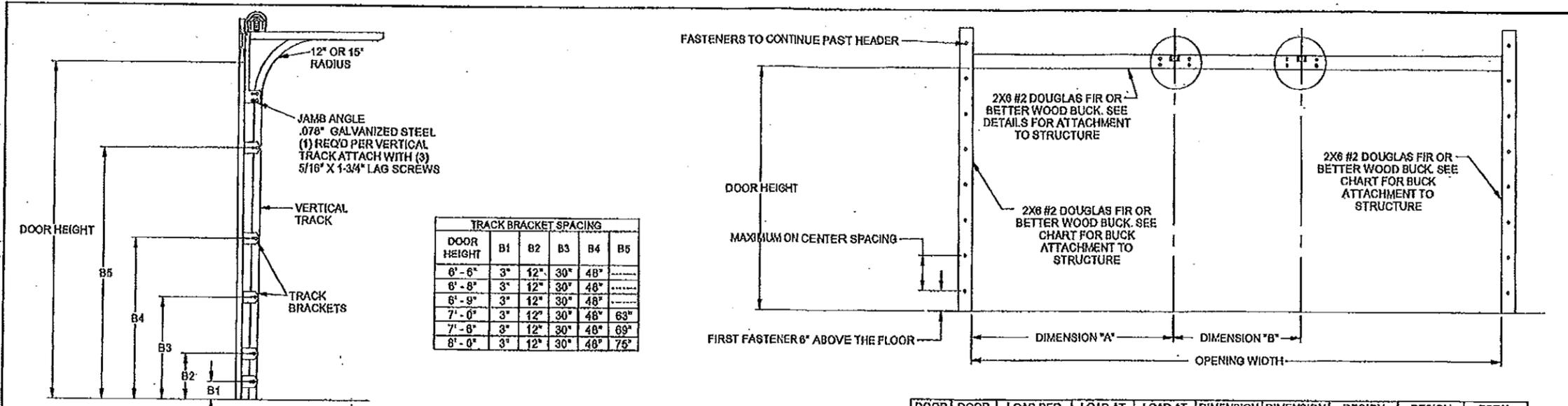


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 12-0517-09  
Expiration Date 12/24/2013  
By *[Signature]*  
Miami Dade Product Control

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 13-0829-14  
Expiration Date 12/24/2018  
By *[Signature]*  
Miami Dade Product Control

REV.	DESCRIPTION	ECO	DATE

SCALE NONE	 11615 STATE ROAD DUNEL, FL 33411	TITLE: SPEC. WINDLOAD SHOWCASE ITC200 18'-0" WIDE MAX. DOOR WIDTH	
DRAWN BY: G. WEDERIND		NO. P-3309	SHEET 2 OF 3
CHECKED BY: G. WEDERIND			
DATE: 01/04/08	ECO: 6319.001		



TRACK BRACKET SPACING					
DOOR HEIGHT	B1	B2	B3	B4	B5
8' - 6"	3"	12"	30"	48"	---
8' - 8"	3"	12"	30"	48"	---
8' - 9"	3"	12"	30"	48"	---
7' - 0"	3"	12"	30"	48"	63"
7' - 6"	3"	12"	30"	48"	69"
8' - 0"	3"	12"	30"	48"	75"

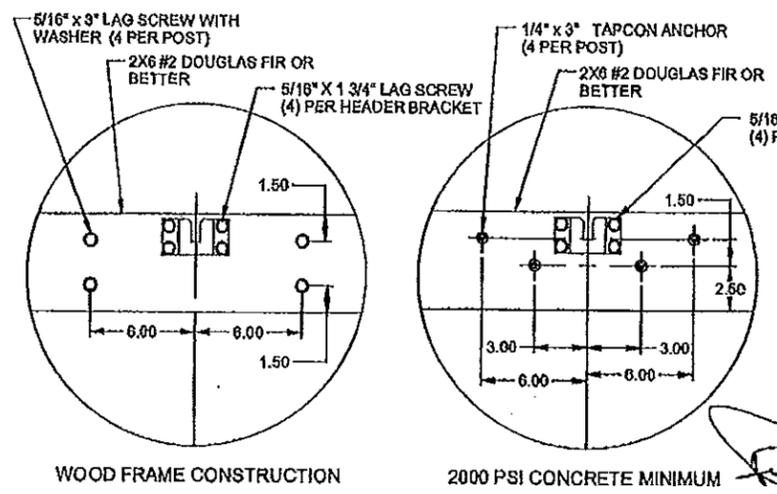
TYPICAL TRACK INSTALLATION

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 12-0517.09  
 Expiration Date 12/24/2013  
 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.
  - FASTENER SPACING BASED ON 18" WIDE DOOR.
  - DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE LOADS LISTED ON THIS DRAWING.

Approved as complying with the Florida Building Code  
 Date 12/24/2013  
 MOA# BX-0709.10  
 Miami Dade Product Control  
 Division *[Signature]*  
 By *[Signature]*

DOOR WIDTH FT	DOOR HEIGHT FT	LOAD PER JAMB		LOAD AT POST		DIMENSION "A" INCHES	DIMENSION "B" INCHES	DESIGN PRESSURE POS	DESIGN PRESSURE NEG	TOTAL DOOR	
		POS	NEG	POS	NEG					POS	NEG
10	7	450	509	588	642	34.06	51.88	45.3	51.2	3171	3584
	7.5	482	545	638	688					3398	3840
	8	514	581	679	733					3624	4098
12	7	548	627	709	769	49.06	45.88	45.3	51.2	3805	4301
	7.5	585	665	752	802					4077	4608
	8	621	707	791	841					4349	4915
14	7	607	697	780	821	58.06	51.88	45.3	51.2	4439	5018
	7.5	642	732	815	856					4767	5376
	8	677	767	850	891					5074	5734
15	7	667	757	840	881	61.06	57.88	45.3	51.2	4767	5376
	7.5	702	792	875	916					5098	5760
	8	737	827	910	951					5436	6144
16	7	727	817	900	941	73.06	45.88	45.3	51.2	5074	5734
	7.5	762	852	935	976					5438	6144
	8	797	887	970	1011					5798	6554
17	7	787	877	960	1001	79.06	45.88	45.3	51.2	5391	6093
	7.5	822	912	995	1036					5778	6528
	8	857	947	1030	1071					6181	6983
18	7	847	937	1020	1061	82.06	51.88	45.3	51.2	5708	6461
	7.5	882	972	1055	1096					6116	6912
	8	917	1007	1090	1131					6528	7373



WOOD FRAME CONSTRUCTION

2000 PSI CONCRETE MINIMUM

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No 13-0829.14  
 Expiration Date 12/24/2018  
 By *[Signature]*  
 Miami Dade Product Control

JAMB MATERIAL	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE	ALLOWABLE TENSION	MAXIMUM ON CENTER
GROUT FILLED BLOCK	5/16" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	4"	487	37 3/4"
3192 PSI CONCRETE	1/4" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	1"	510	39 3/4"
2899 PSI CONCRETE	5/16" DIA X 3 3/4" LONG ITW TAPCON	2 1/4"	1 9/16"	713	65 1/2"
2000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	360	28"
4000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	570	44 1/4"
WOOD DOUGLAS FIR (G=48)	5/16" DIA. X 3 1/2" LAG SCREW	1 1/2"	1"	353	22 1/2"
WOOD SYP (G=55)	5/16" DIA. X 3 1/2" LAG SCREW	1 1/2"	1"	460	35 3/4"

SCALE: NONE	<p>161 EAST RIVER ROAD          DUBLIN, GA 31021</p>	TITLE: SPEC. WINDLOAD SHOWCASE / TC200 18'-0" WIDE MAX. DOOR WIDTH		
DRAWN BY: G. WEDEKIND		No. P-3309	SHEET 3 OF 3	
CHECKED BY: G. WEDEKIND				REV B
DATE: 01/05/08	REV	DESCRIPTION	ECO	DATE
ECO: 5318.021				