



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

Rytec Corporation
One Cedar Parkway
Jackson, WI 53037

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: Model Spiral SST-HZ and SSN-HZ Aluminum Roll-up Door up to 16'-0" Wide

APPROVAL DOCUMENT: Drawing No. **9B963-R5**, titled "Spiral Rollup Door, Model SST-HZ and Model SSN-HZ", sheets 1 through 4 of 4, dated 10/02/2006, with revision 7 dated 08/02/2015, prepared by HR Engineering, Inc, signed and sealed by Allen N. Reeves, 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, city, state, model/series 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 # **12-0917.05** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



Handwritten signature and date: 06/14/2016

NOA No. 15-1014.04
Expiration Date: November 8, 2017
Approval Date: June 23, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **9B963-R5**, titled "Spiral Rollup Door, Model SST-HZ and Model SSN-HZ", sheets 1 through 4 of 4, dated 10/02/2006, with revision 7 dated 08/02/2015, prepared by HR Engineering, Inc, signed and sealed by Allen N. Reeves, P.E.

B. TESTS "Submitted under NOA # 12-0917.05"

1. Test report on Forced Entry Resistance Test per FBC, TAS 202-94 of a Model SST-S Roll up Door, prepared by Architectural Testing, Inc., Test Report No. **C1821.01-602-18**, dated 09/04/2012, signed and sealed by Shawn G. Collins, P.E.

"Submitted under NOA # 06-1017.07"

2. Test report on Large Missile Impact Test per FBC, TAS 201-94, Cyclic Wind Pressure Test per FBC, TAS 203-94 and Uniform Static Air Pressure Test per FBC, TAS 202-94 of Series/Model Spiral-HZ overhead doors, prepared by ETC Laboratories, Test Report No. **ETC-05-844-16366.0**, dated 04/17/2006, signed and sealed by Joseph Labora Doldan, P.E.
3. Test report on Smoke Density per ASTM D2843, Rate of Burning per ASTM D 635 and Self Ignition per ASTM D 1929 of door plastic materials, prepared by ETC Laboratories, Test Report No. **ETC-06-844-17497.1**, dated 05/09/2006, signed and sealed by Joseph Labora Doldan, P.E.
4. Test report on Tension per ASTM E8, of door aluminum skin, prepared by ETC Laboratories, Test Report No. **ETC-06-844-17585.0**, dated 05/08/2006, signed and sealed by Joseph Labora Doldan, P.E.

C. CALCULATIONS

1. Roll-up Door Spiral HZ Installation Design, prepared HR Engineering, Inc, dated 10/11/2006, revised on 08/31/2015, signed and sealed by Allen N. Reeves, P.E.

"Submitted under NOA # 08-1024.03"

2. Calculations for Roll-up Door, Spiral SST-HZ, prepared HR Engineering, Inc, dated 10/31/2008, sheets 1 through 5, signed and sealed by Allen N. Reeves, P.E.

D. QUALITY ASSURANCE

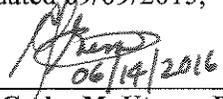
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0926.07**, issued to Dyplast Products LLC, for their Expanded Polystyrene Block Type Insulation, approved on 11/10/2011 and expiring on 01/11/2017.

F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by HR Engineering, Inc., dated 09/09/2015, signed and sealed by Allen N. Reeves, P.E.
2. Statement letter of no financial interest issued by HR Engineering, Inc., dated 09/09/2015, signed and sealed by Allen N. Reeves, P.E.


Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 15-1014.04

Expiration Date: November 8, 2017

Approval Date: June 23, 2016

GENERAL NOTES

1) THE RYTEC SPIRAL DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2014. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE FBC, FOR A BASIC WIND SPEED OF 175 M.P.H. AND IN ACCORDANCE WITH ASCE 7-05 STANDARD.

THE SPIRAL DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE FBC PER PROTOCOLS TAS-201, TAS-202, & TAS-203 STANDARDS.

MAXIMUM DESIGN PRESSURE ARE +50.0, -50.0 PSF.

2) PANEL SLATS TO BE EXTRUDED ALUMINUM ALMgSi0.5 F-22 (6063-T6), 0.07 NOMINAL WALL THICKNESS, CLEAR ANNOXIDIZED WITH A MINIMUM YIELD STRENGTH 25KSI.

3) SIDE COLUMNS TO BE 11 GAGE GALVANIZED STEEL ASTM A-446 WITH A GALVANIZED COATING OF G90.

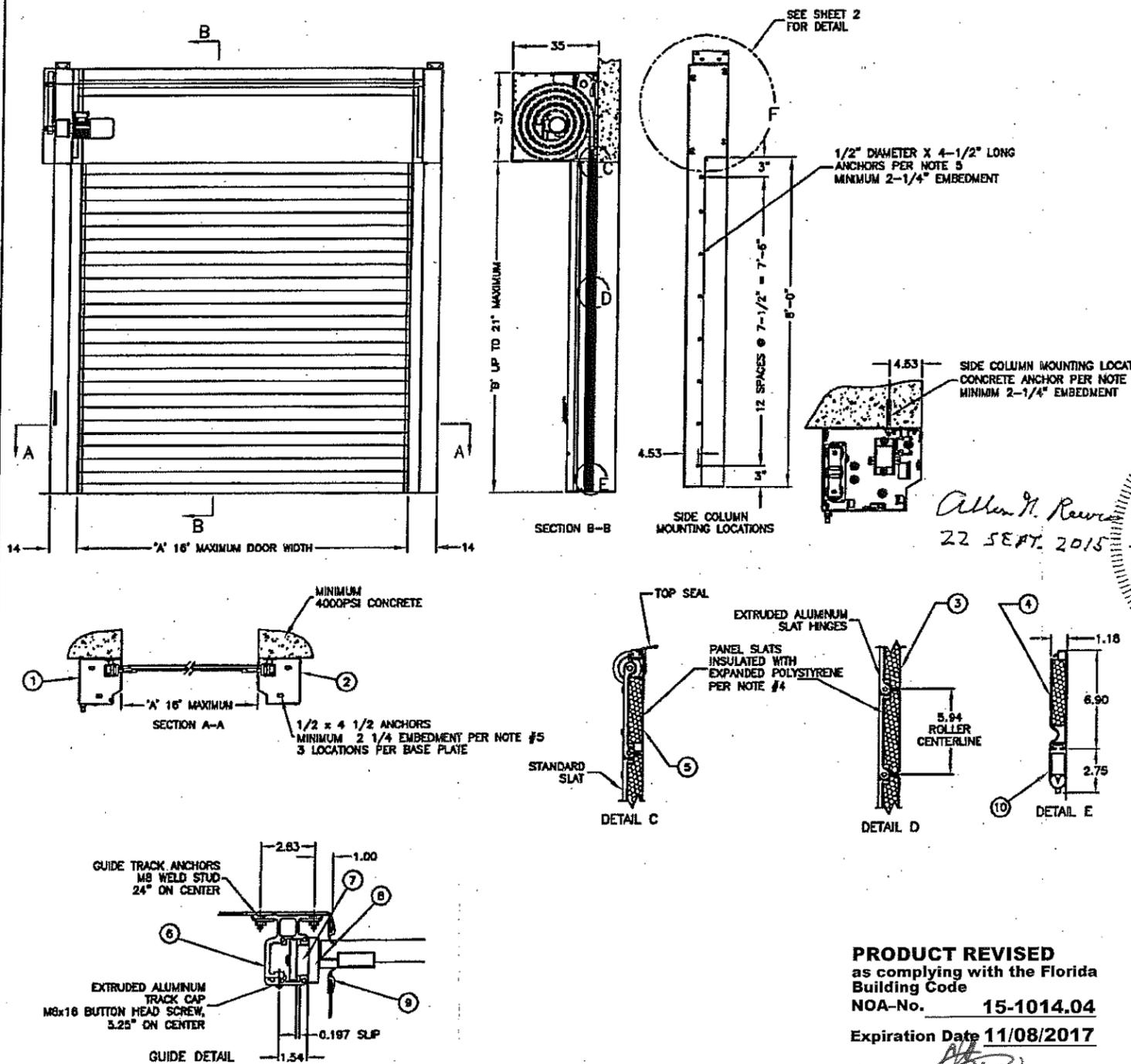
4) OPTIONAL PANEL SLAT INSULATION TO BE EPS - EXPANDED POLYSTYRENE FOAM. MANUFACTURED BY DYNAPLAST PRODUCTS, NOA#01-1108.09

5) CONCRETE ANCHORS TO BE 1/2" DIAMETER x 4-1/2" LONG RED HEAD RW TRUBOLT WEDGE OR HILTI KWIK BOLT III EXPANSION ANCHORS, AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR MANUFACTURER. ANCHORS TO BE INSTALLED IN MINIMUM 4000PSI CONCRETE.

6) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT Vx AND Vy FORCES AT BOTH JAMBS. MAX Vx=1850LB/FT AND MAX Vy = 400LB/FT

7) FOR DOOR HEIGHTS OTHER THEN 8'-0", CONCRETE ANCHOR SPACING TO BE A MAXIMUM OF 7-1/2", BEGINNING AT 3" FROM SILL AND HEAD.

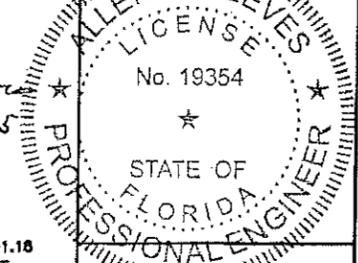
8) ALL DIMENSIONS ON DRAWING WITHOUT INDICATORS ARE IN INCHES.



Manufacturer:
RYTEC CORPORATION
 ONE CEDAR PARKWAY
 JACKSON, WI 53037
 PH:262-677-9048
 FX:262-677-2058
 www.rytecdoors.com

Product:
 SPIRAL ROLLUP DOOR
 MODEL: SST-HZ

Engineering:
HR Engineering, Inc.
 1418 East Market St.
 Suite B
 YORK, PA 17403
 PH:717-846-3747
 FX:717-846-0355
 Allen N. Reeves, P.E.
 Structural Engineer
 Florida License #19354



Allen N. Reeves
 22 SEPT. 2015

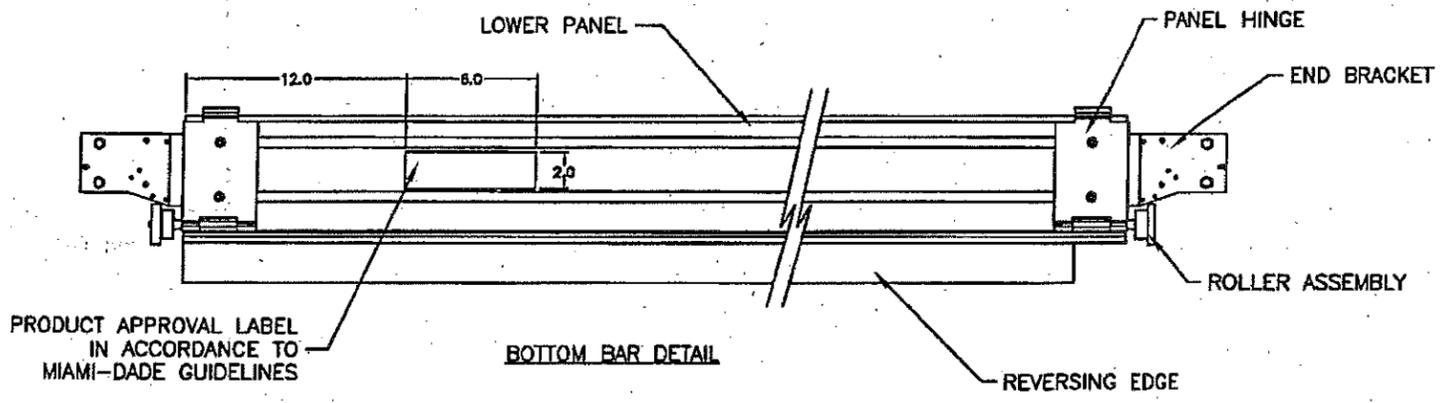
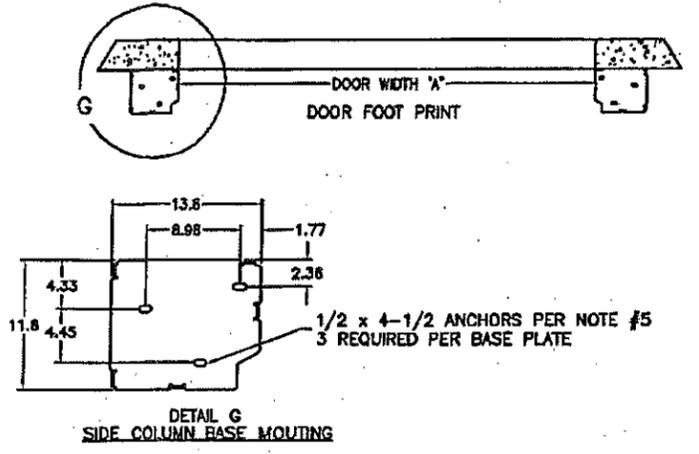
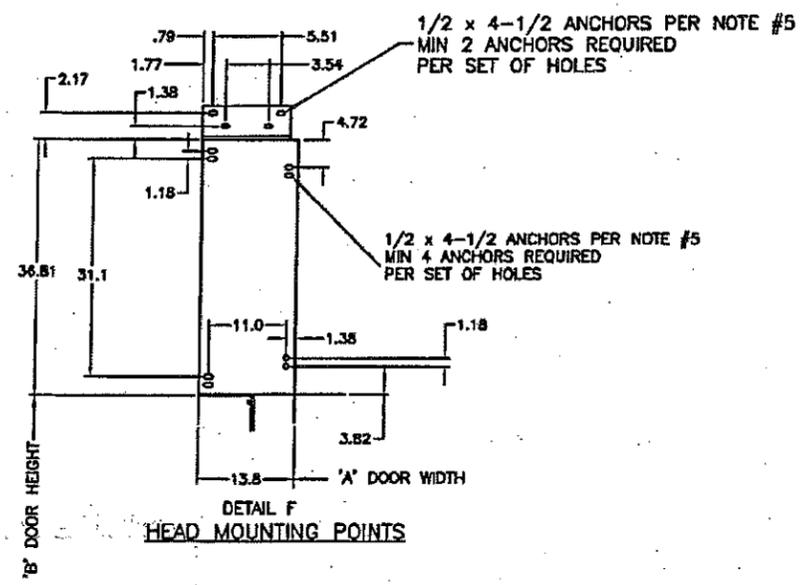
Drawn By: DAS
 Drawn Date: 10/2/06
 Scale: Not to scale
 Revised: 9/04/2015

Drawing Number
9B963-R5

Sheet
 1 of 4

PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. **15-1014.04**
 Expiration Date **11/08/2017**
 By *[Signature]*
 Miami-Dade Product Control

7	FBC WAS 2010;	8/02/15	SEK
6	FBC WAS 2007; ASCE 7-10 WAS 7-05	7/27/12	DAS
5	ASCE 7-05 WAS ASCE 7-98	7/20/10	DAS
4	FBC WAS 2004; CONCRETE WAS 5000PSI	11/24/08	DAS
3	ADDED SHEETS 3&4 FOR SSN-HZ	10/1/08	DAS
REV	DESCRIPTION	DATE	BY



BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	QTY	MATERIAL
1	SIDE COLUMN, LH	1	GALVANIZED STEEL, ASTM A-446
2	SIDE COLUMN, RH	1	GALVANIZED STEEL, ASTM A-446
3	STANDARD PANEL SLAT	AS REQ.	ALUMINUM, 6063-T8
4	LOWER PANEL SLAT	1	ALUMINUM, 6063-T8
5	UPPER PANEL SLAT	1	ALUMINUM, 6063-T8
6	GUIDE TRACK	2	ALUMINUM, 6063-T8
7	ROLLER	AS REQ.	UHMW-PE (2) 6900ZZ RADIAL BEARINGS
8	GUIDE ROLLER	4	NYLON
9	WEATHERSEAL	4	TPE
10	REVERSING EDGE	1	EPDM

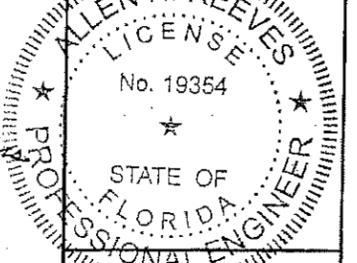
DESIGN PRESSURE RATING	IMPACT RATING
+50 PSF, -50 PSF	LARGE AND SMALL MISSILE IMPACT RESISTANT

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Miami-Dade Product Control

Manufacturer:
RYTEC CORPORATION
ONE CEDAR PARKWAY
JACKSON, WI 53037
PH:262-677-9048
FX:262-677-2058
www.rytecdors.com

Product:
SPIRAL ROLLUP DOOR
MODEL: SST-HZ

Engineering:
HR Engineering, Inc.
1418 East Market St.
Suite B
YORK, PA 17403
PH:717-846-3747
FX:717-846-0355
Allen N. Reeves, P.E.
Structural Engineer
Florida License #19354



Allen N. Reeves
22 SEPT 2015

Drawn By: DAS
Drawn Date: 10/2/06
Scale: Not to scale
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Sheet
2 of 4

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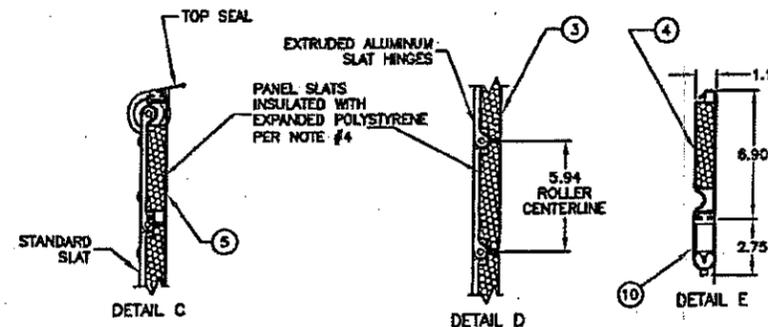
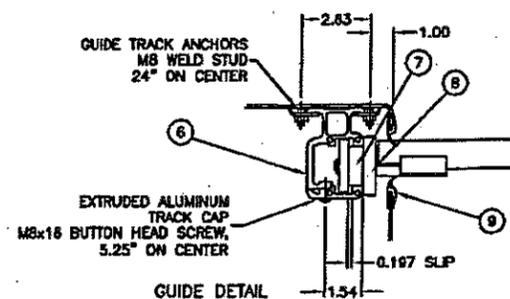
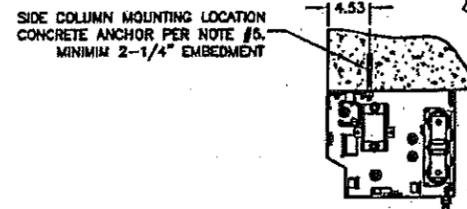
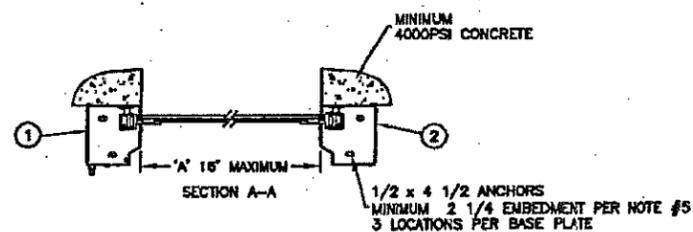
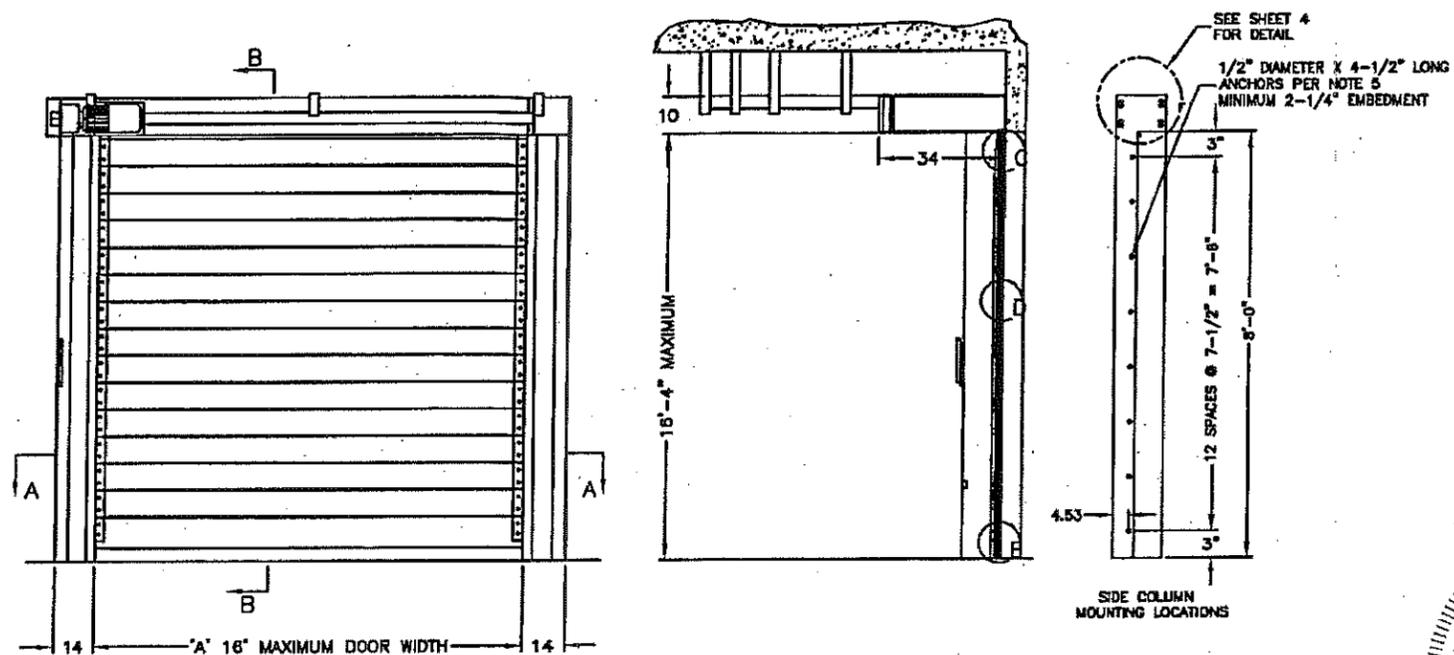
8) ALL DIMENSIONS ON DRAWING WITHOUT INDICATORS ARE IN INCHES.

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Expiration Date **11/08/2017**

By *Allen N. Reeves*
Miami-Dade Product Control



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RYTEC CORPORATION

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Product:

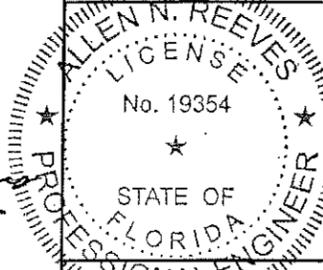
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Drawn Date: 10/2/06

Scale: Not to scale

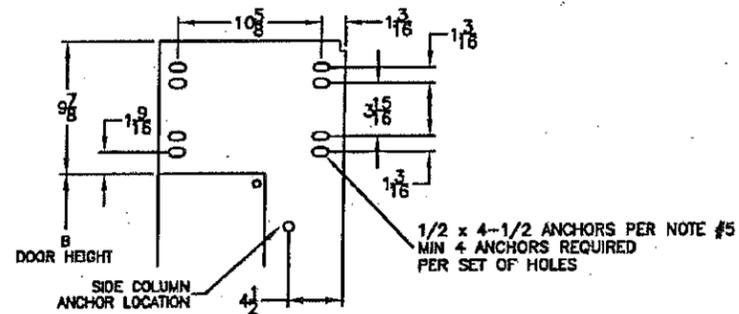
Revised: 9/04/2015

Drawing Number

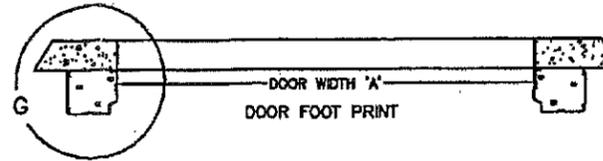
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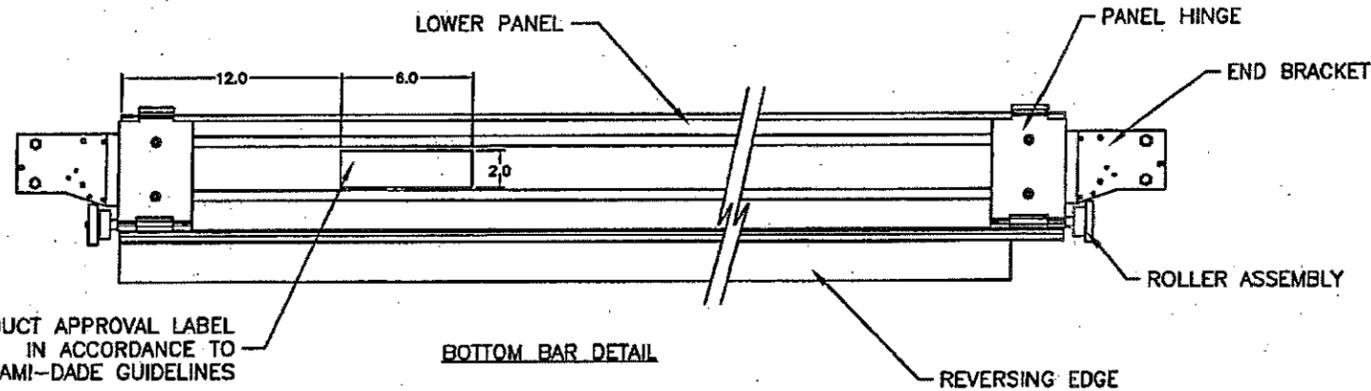
3 of 4



DETAIL F
HEAD MOUNTING POINTS



DETAIL G
SIDE COLUMN BASE MOUNTING



BOTTOM BAR DETAIL

BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	QTY	MATERIAL
1	SIDE COLUMN, LH	1	GALVANIZED STEEL, ASTM A-448
2	SIDE COLUMN, RH	1	GALVANIZED STEEL, ASTM A-448
3	STANDARD PANEL SLAT	AS REQ.	ALUMINUM, 6063-T6
4	LOWER PANEL SLAT	1	ALUMINUM, 6063-T6
5	UPPER PANEL SLAT	1	ALUMINUM, 6063-T6
6	GUIDE TRACK	2	ALUMINUM, 6063-T6
7	ROLLER	AS REQ.	UHMW-PE (2) 6900ZZ RADIAL BEARINGS
8	GUIDE ROLLER	4	NYLON
9	WEATHERSEAL	4	TPE
10	REVERSING EDGE	1	EPDM

DESIGN PRESSURE RATING	IMPACT RATING
+50 PSF, -50 PSF	LARGE AND SMALL MISSILE IMPACT RESISTANT

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4 of 4