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

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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_HVHZ-R11**, titled "Spiral Rollup Door, Model SST-HZ and Model SSN-HZ", sheets 1 through 4 of 4, dated 10/02/2006, with revision 11 dated 03/26/2023, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, 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/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 # 22-0927.11** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.
The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

NOA No. 23-0406.01
Expiration Date: November 8, 2027
Approval Date: April 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's

A. DRAWINGS *"Submitted under NOA #15-1014.04"*

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 *"Submitted under NOA #15-1014.04"*

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 *"Submitted under NOA #15-1014.04"*

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. 23-0406.01
Expiration Date: November 8, 2027
Approval Date: April 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 17-1106.02

A. DRAWINGS

1. Drawing No. **9B963-R8**, titled "Spiral Rollup Door, Model SST-HZ and Model SSN-HZ", sheets 1 through 4 of 4, dated 10/02/2006, with revision 8 dated 10/25/2017, prepared by HR Engineering, Inc, signed and sealed by Allen N. Reeves, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Roll-up Door Spiral HZ Installation Design, prepared HR Engineering, Inc, dated 10/11/2006, revised on 10/24/2017, 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. **16-1129.05**, issued to Dyplast Products LLC, for their E and R Board Expanded Polystyrene Rigid Foam Insulations, approved on 01/19/2017 and expiring on 01/11/2022.

F. STATEMENTS

1. Statement letter of code conformance to the 6th Edition (2017) FBC issued by HR Engineering, Inc., dated 10/26/2017, signed and sealed by Allen N. Reeves, P.E.

2. Statement letter of no financial interest issued by HR Engineering, Inc., dated 10/26/2017, signed and sealed by Allen N. Reeves, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0406.01
Expiration Date: November 8, 2027
Approval Date: April 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under NOA # 22-0927.11

A. DRAWINGS

1. Drawing No. **9B963_HVHZ-R10**, titled "Spiral Rollup Door, Model SST-HZ and Model SSN-HZ", sheets 1 through 4 of 4, dated 10/02/2006, with revision 10 dated 09/12/2022, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation evaluation report, prepared PTC Product Design Group, LLC, dated 09/12/2022, signed and sealed by Robert J. Amoruso, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **22-0627.03**, issued to Kingspan Insulation LLC, for their ISO-C1 Polyisocyanurate Rigid Foam Insulation, approved on 07/21/2022, and expiring on 01/11/2027.

2. Notice of Acceptance No. **22-0627.04**, issued to Kingspan Insulation LLC, for their E and R Board Expanded Polystyrene Rigid Foam Insulations, approved on 07/21/2022, and expiring on 01/11/2027.

F. STATEMENTS

1. Statement letter of code conformance to the 7th Edition (2020) of the FBC and of no financial interest, issued by PTC Product Design Group, LLC, dated 09/12/2022, signed and sealed by Robert J. Amoruso, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0406.01
Expiration Date: November 8, 2027
Approval Date: April 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New evidence submitted

A. DRAWINGS

1. Drawing No. **9B963_HVHZ-R11**, titled "Spiral Rollup Door, Model SST-HZ and Model SSN-HZ", sheets 1 through 4 of 4, dated 10/02/2006, with revision 11 dated 03/26/2023, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation evaluation report No. 2786-ER1, prepared PTC Product Design Group, LLC, dated 03/23/2023, signed and sealed by Robert J. Amoruso, 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 7th Edition (2020) of the FBC and of no financial interest, issued by PTC Product Design Group, LLC, dated 03/27/2023, signed and sealed by Robert J. Amoruso, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0406.01
Expiration Date: November 8, 2027
Approval Date: April 27, 2023

GENERAL NOTES

1) THE RYTEC SPIRAL DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE 7TH EDITION (2020) FLORIDA BUILDING CODE INCLUDING THE HVHZ. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1609 & 1620 OF THE FBC, FOR A BASIC WIND SPEED COMMENSURATE WITH THE SITE-SPECIFIC LOCATION OF THE PRODUCT INSTALLATION AND IN ACCORDANCE WITH ASCE 7 STANDARD REQUIRED BY THE FBC.

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

MAXIMUM DESIGN PRESSURE IS +50.0, -50.0 PSF.

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

3) SIDE COLUMNS TO BE 11 GAGE GALVANIZED OR POWDER COATED STEEL. SEE BILL OF MATERIALS FOR SPECIFIC REQUIREMENTS.

4) OPTIONAL PANEL SLAT INSULATION TO BE EPS (EXPANDED POLYSTYRENE FOAM) OR ISO-C1 POLYISOCYANURATE RIGID FOAM MANUFACTURED BY KINGSPAN INSULATION, LLC PER CURRENT MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).

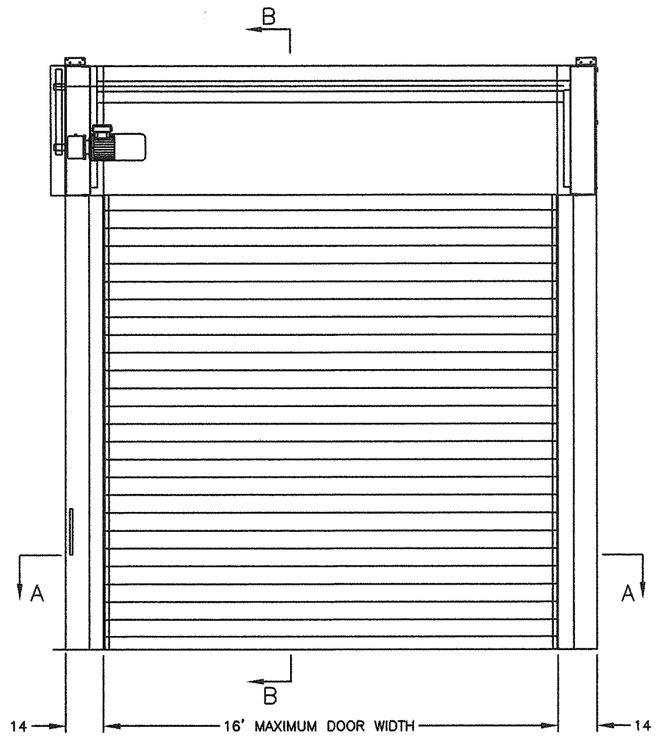
5) CONCRETE ANCHORS TO BE 1/2" DIAMETER x 4-1/2" LONG RED HEAD ITW TRUBOLT WEDGE OR HILTI KWIK BOLT 3 EXPANSION ANCHORS, AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR MANUFACTURER. ANCHORS TO BE INSTALLED IN MINIMUM 4000PSI CONCRETE WITH MINIMUM EMBEDMENT OF 2-1/4".

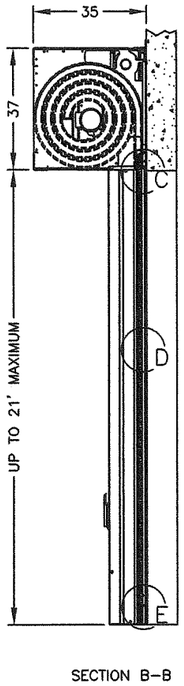
6) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT Vx AND Vy FORCES AT BOTH JAMBS. MAX Vx=1650LB/FT AND MAX Vy - 400LB/FT

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.

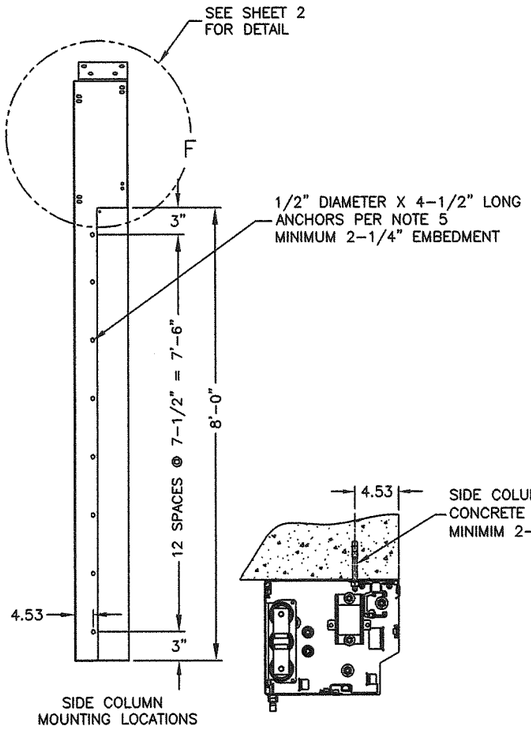
8) ALL DIMENSIONS ON DRAWING WITHOUT INDICATORS ARE IN INCHES.

REV	DESCRIPTION	DATE	BY
11	ITEM NO. 1 & 2 GALVANIZED STEEL MATERIAL SUBSTITUTION	3/26/23	RJA
10	UPDATE TO 2020 FBC	9/12/22	RJA
9	FBC WAS 2014	10/25/17	RLH
8	REMOVED BASIC WIND SPEED FROM NOTE 1; ASCE 7-10 WAS 7-95; REMOVED NOA NUMBER FROM NOTE 4.	01/21/16	SEK
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

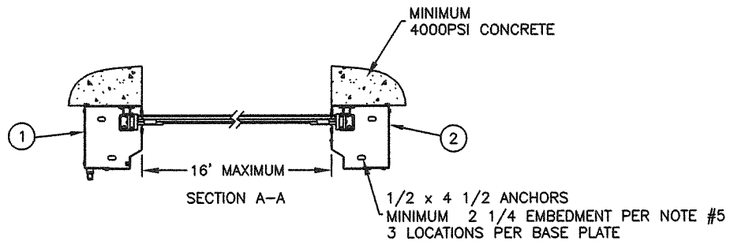


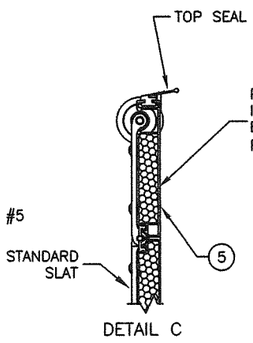


SECTION B-B

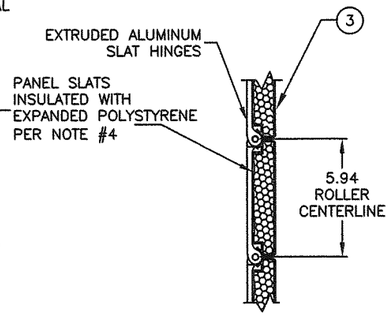


SIDE COLUMN MOUNTING LOCATIONS

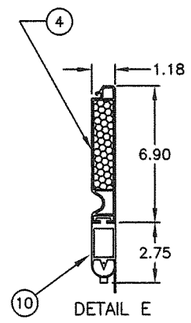




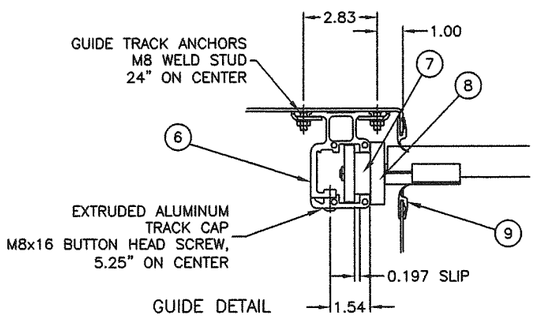
DETAIL C



DETAIL D



DETAIL E



GUIDE DETAIL

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0406.01
Expiration Date 11/08/2027
By
Miami-Dade Product Control

Manufacturer:

RYTEC CORPORATION
ONE CEDAR PARKWAY
JACKSON, WI 53037
PH:262-677-9046
FX:262-677-2058
www.rytecdoors.com

Product:
SPIRAL ROLLUP DOOR
MODEL: SST-HZ

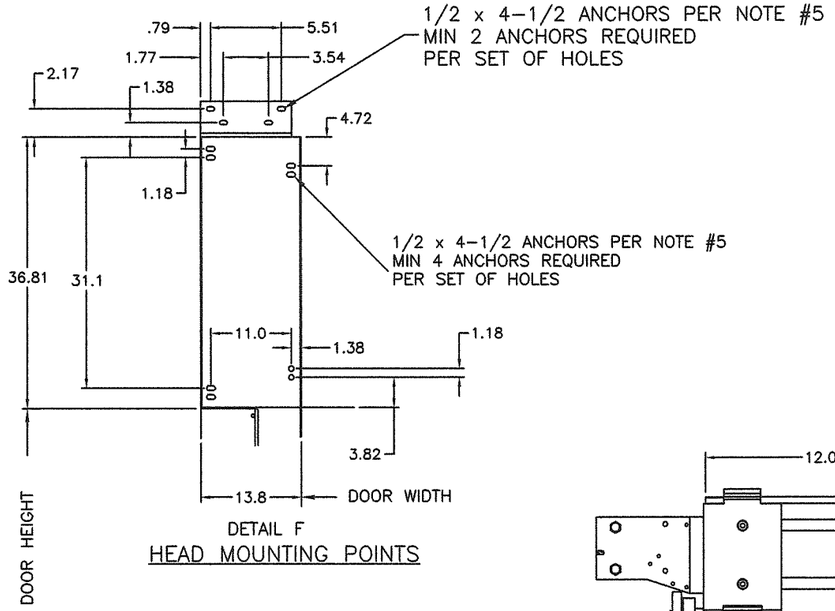
Engineering:
PTC PRODUCT DESIGN GROUP
PO Box 520775
Longwood, FL 32752-0775
Phone: 321 690-1788
EMAIL: INFO@PTC-CORP.COM
CERT OF AUTH NO. 25935
ROBERT J. AMORUSO, P.E.
FLORIDA P.E. NO. 49752

ROBERT JAMES AMORUSO LICENSE No 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER

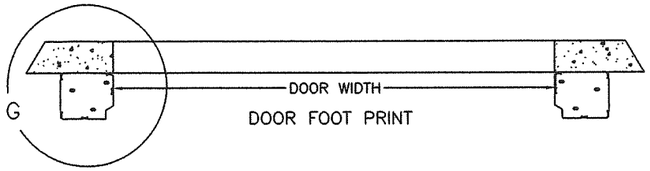
Drawn By: DAS
Drawn Date: 10/2/06
Scale: Not to scale
Revised: 10/25/2017

REVISED By: RJA
Revised: 3/26/23
Project No. 423-0205

Drawing Number
9B963_HVHZ-R11



DETAIL F
HEAD MOUNTING POINTS



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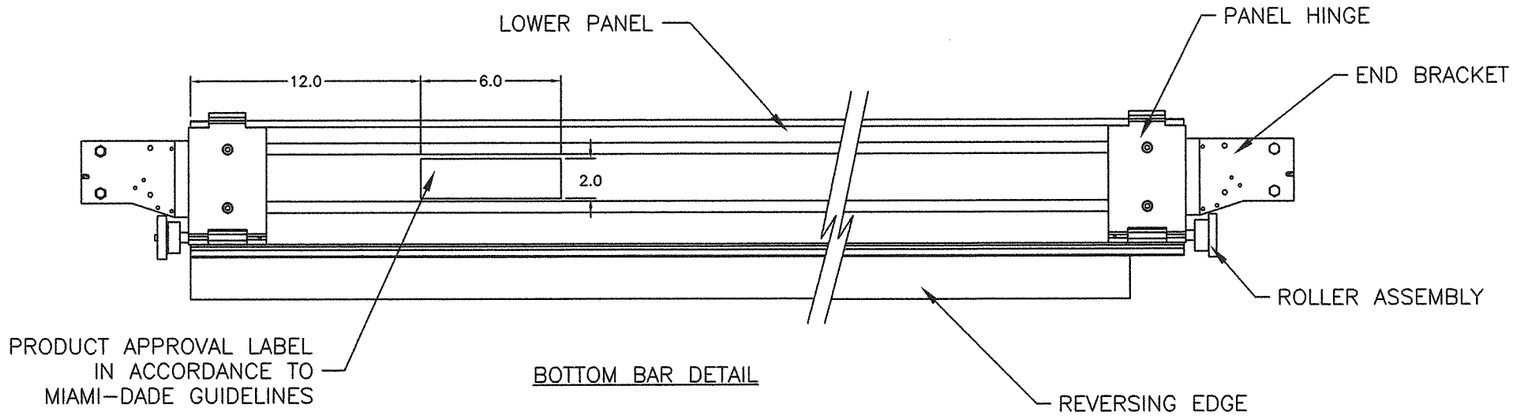
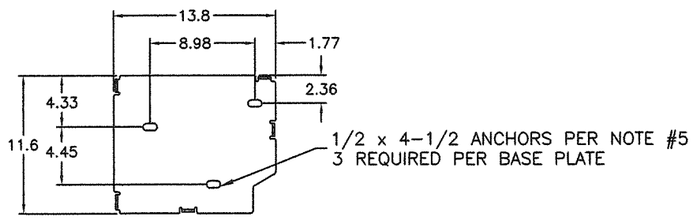


BOTTOM BAR DETAIL

BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	QTY	MATERIAL
1	SIDE COLUMN, LH	1	GALVANIZED STEEL, ASTM A653 CS TYPE B G90 POWDER COATED, ASTM A1011 CS TYPE B POWDER COATED, ASTM A1008 CS TYPE B (FY = 30 KSI) POWDER COATED, ASTM A1008 CS GR 30 POWDER COATED, ASTM A1008 CS GR 40
2	SIDE COLUMN, RH	1	GALVANIZED STEEL, ASTM A653 CS TYPE B G90 POWDER COATED, ASTM A1011 CS TYPE B POWDER COATED, ASTM A1008 CS TYPE B (FY = 30 KSI) POWDER COATED, ASTM A1008 CS GR 30 POWDER COATED, ASTM A1008 CS GR 40
3	STANDARD PANEL SLAT	AS REQ'D	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'D	UHMW-PE (2) 6900ZZ RADIAL BEARINGS
8	GUIDE ROLLER	4	NYLON
9	WEATHERSEAL	4	TPE
10	REVERSING EDGE	1	EDPM



DETAIL G
SIDE COLUMN BASE MOUTING

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

Manufacturer:

RYTEC CORPORATION
ONE CEDAR PARKWAY
JACKSON, WI 53037
PH:262-677-9046
FX:262-677-2058
www.rytecdoors.com

Product:
SPIRAL ROLLUP DOOR
MODEL: SST-HZ

Engineering:
PTC PRODUCT DESIGN GROUP
PO Box 520775
Longwood, FL 32752-0775
Phone: 321 690-1788
EMAIL: INFO@PTC-CORP.COM
CERT OF AUTH NO. 25935
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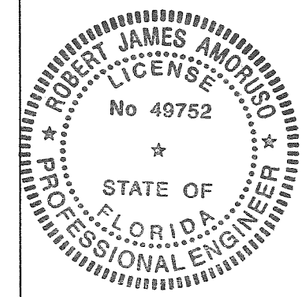

Drawn By: DAS
Drawn Date: 10/2/06
Scale: Not to scale
Revised: 10/25/2017

REVISED By: RJA
Revised: 3/26/23
Project No. 423-0205

Drawing Number
9B963_HVHZ-R11

GENERAL NOTES

1) THE RYTEC SPIRAL DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE 7TH EDITION (2020) FLORIDA BUILDING CODE INCLUDING THE HVHZ. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1609 & 1620 OF THE FBC, FOR A BASIC WIND SPEED COMMENSURATE WITH THE SITE-SPECIFIC LOCATION OF THE PRODUCT INSTALLATION AND IN ACCORDANCE WITH ASCE 7 STANDARD REQUIRED BY THE FBC.

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MAXIMUM DESIGN PRESSURE IS +50.0, -50.0 PSF.

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

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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=1650LB/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.

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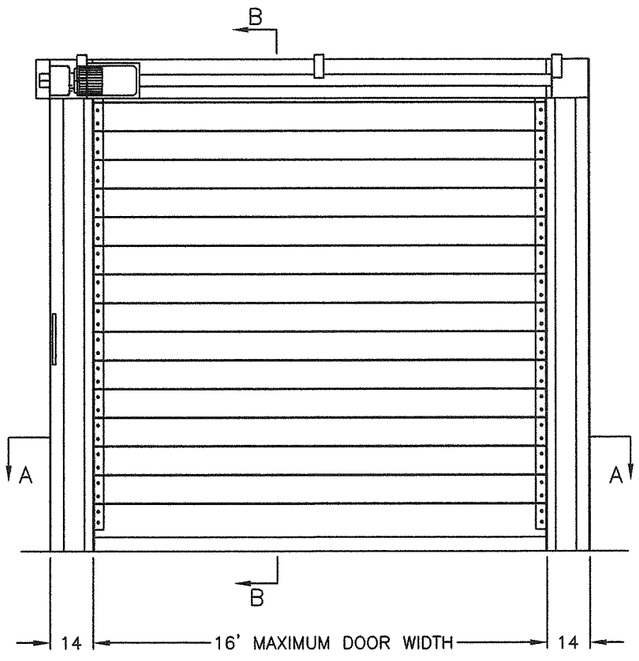
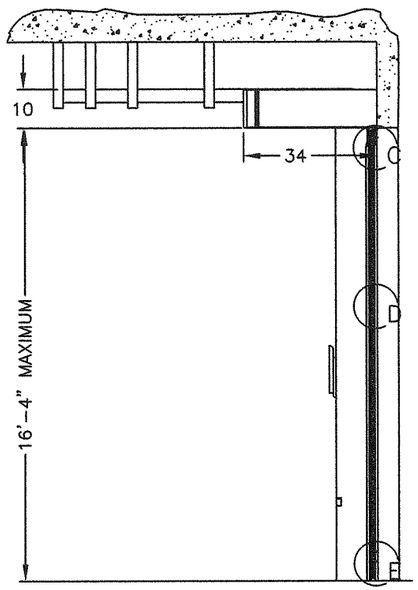
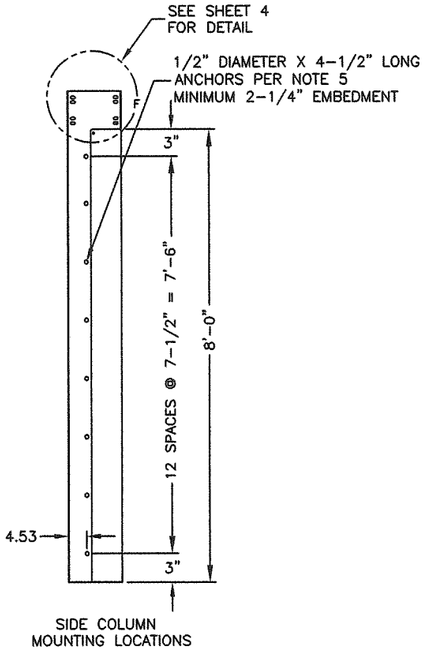
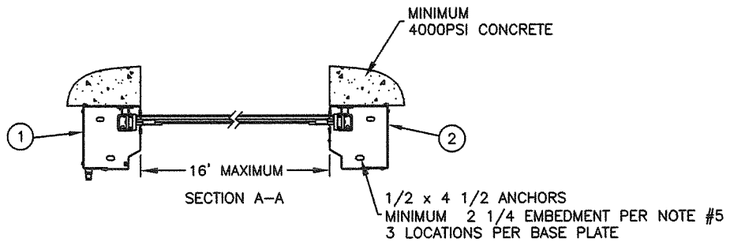
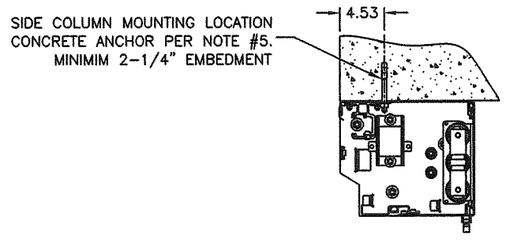
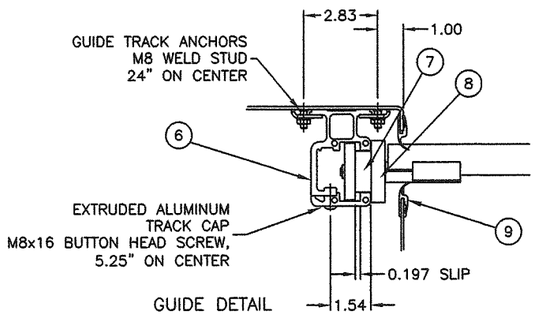


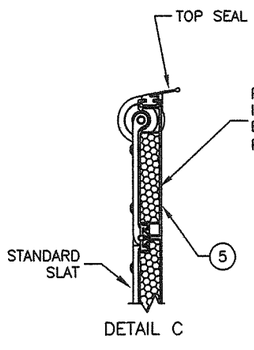


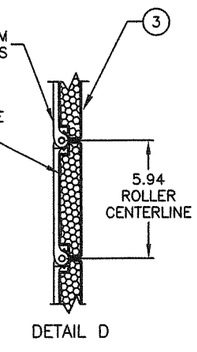


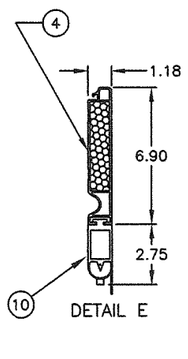












Manufacturer:
RYTEC CORPORATION
ONE CEDAR PARKWAY
JACKSON, WI 53037
PH:262-677-9046
FX:262-677-2058
www.rytecdoors.com

Product:
SPIRAL ROLLUP DOOR
MODEL: SSN-HZ

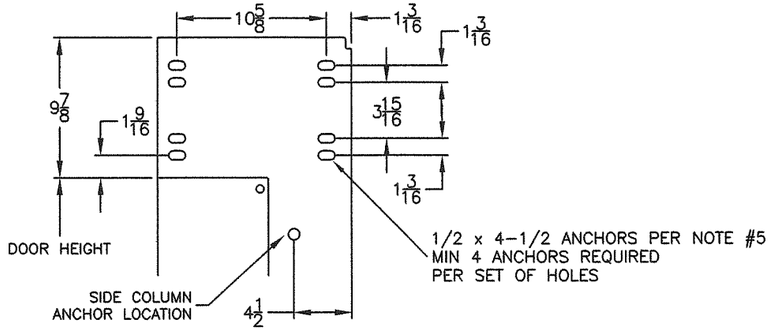
Engineering:
PTC PRODUCT DESIGN GROUP
PO Box 520775
Longwood, FL 32752-0775
Phone: 321 690-1788
EMAIL: INFO@PTC-CORP.COM
CERT OF AUTH NO. 25935
ROBERT J. AMORUSO, P.E.
FLORIDA P.E. NO. 49752

ROBERT JAMES AMORUSO LICENSE No 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER

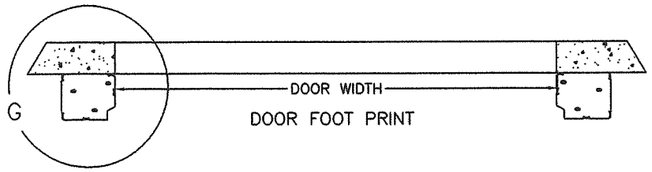
Drawn By: DAS
Drawn Date: 10/2/06
Scale: Not to scale
Revised: 10/25/2017

REVISED By: RJA
Revised: 3/26/23
Project No. 423-0205

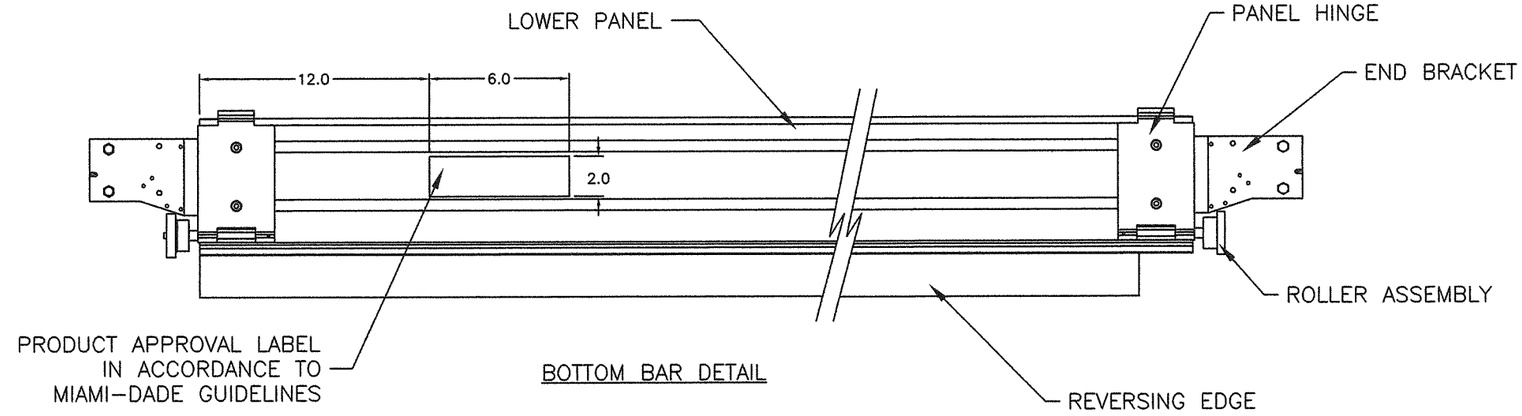
Drawing Number
9B963_HVHZ-R11



DETAIL F
HEAD MOUNTING POINTS

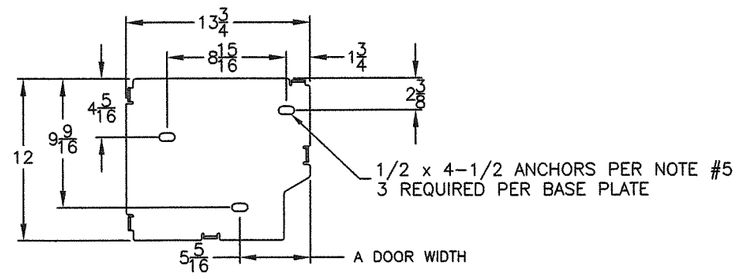


PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0406.01
Expiration Date 11/08/2027
By
Miami-Dade Product Control



BOTTOM BAR DETAIL

BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	QTY	MATERIAL
1	SIDE COLUMN, LH	1	GALVANIZED STEEL, ASTM A653 CS TYPE B G90 POWDER COATED, ASTM A1011 CS TYPE B POWDER COATED, ASTM A1008 CS TYPE B (FY = 30 KSI) POWDER COATED, ASTM A1008 CS GR 30 POWDER COATED, ASTM A1008 CS GR 40
2	SIDE COLUMN, RH	1	GALVANIZED STEEL, ASTM A653 CS TYPE B G90 POWDER COATED, ASTM A1011 CS TYPE B POWDER COATED, ASTM A1008 CS TYPE B (FY = 30 KSI) POWDER COATED, ASTM A1008 CS GR 30 POWDER COATED, ASTM A1008 CS GR 40
3	STANDARD PANEL SLAT	AS REQ'D	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'D	UHMW-PE (2) 6900ZZ RADIAL BEARINGS
8	GUIDE ROLLER	4	NYLON
9	WEATHERSEAL	4	TPE
10	REVERSING EDGE	1	EDPM



DETAIL G
SIDE COLUMN BASE MOUTING

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

Manufacturer:

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ONE CEDAR PARKWAY
JACKSON, WI 53037
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PROFESSIONAL ENGINEER

Drawn By: DAS
Drawn Date: 10/2/06
Scale: Not to scale
Revised: 10/25/2017

REVISED By: RJA
Revised: 3/26/23
Project No. 423-0205

Drawing Number
9B963_HVHZ-R11

Sheet
4 of 4