



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

**Rytec Corporation  
One Cedar Parkway  
Jackson, WI 53037-0403**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: SPIRAL SST-HZ & SSN- HZ**

**APPROVAL DOCUMENT:** Drawing No. 9B963-R4, titled Spiral Rollup Door Model: SST-HZ & SSN-HZ, sheets 1 thru 4 of 4, prepared by HR Engineering, Inc., signed sealed on 12/03/08 by Allen N. Reeves, P.E., dated 10/02/06 with last revision on 10/01/07, 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 Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**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 # 06-1017.07** and consists of this page, evidence page E 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Mohammed Iqbal Shaikh, PE.**



*MS*  
*01/21/09*

**NOA No. 08-1024.03  
Expiration Date: November 08, 2012  
Approval Date: February 11, 2009**

**Rytec Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

Drawing No. 9B963-R4 titled Spiral Rollup Door Model: SST-HZ & SSN-HZ, sheets 1 thru 4 of 4, prepared by HR Engineering, Inc., signed sealed by Allen N. Reeves, P.E., on 12/03/08 dated 10/02/06 with last revision on 10/01/07.

**B. TESTS**

1. Test report on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203 and Uniform Static Air Pressure Test per TAS 202 on Series/ Model Spiral-HZ, prepared by ETC Laboratories, report No. ETC-06-844-17497.1, dated 04/17/06, signed and sealed by Joseph Labora Doldan, P.E.
2. Test report Plastic Tests, Tests for Smoke Density per ASTM D2843, Rate of Burning per ASTM D 635 and Self Ignition per ASTM D 1929, signed and sealed by Joseph Labora Doldan, P.E.

**C. CALCULATIONS**

1. Calculations for Roll Up Door Spiral SST-HZ, prepared HR Engineering, Inc. dated 10/31/08, sheets 1 through 5, signed and sealed by Allen N. Reeves, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Building Code Compliance Office

**E. MATERIAL CERTIFICATIONS**

1. Test report Tension Test per ASTM E8 on Aluminum door skin, prepared by ETC Laboratories, Inc., report No. ETC-06-844-17585.0 dated 05/08/06.

**F. STATEMENTS**

1. 2004 Code Compliance letter and no financial interest letter issued by Joseph H. Dixon Jr, dated 10/12/2006 and 10/11/06 signed by Allen N. Reeves, P.E.



---

**Mohammed Iqbal Shaikh, PE**  
**Sr. Building Code Compliance Specialist**  
**NOA No. 08-1024.03**  
**Expiration Date: November 08, 2012**  
**Approval Date: February 11, 2009**

**GENERAL NOTES**

1) THE RYTEC SPIRAL DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE FBC, FOR A BASIC WIND SPEED OF 146 M.P.H. AND IN ACCORDANCE WITH ASCE 7-98 STANDARD.

THE SPIRAL DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1606 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 ANNOZIDED WITH A MINIMUM YIELD STRENGTH 25KSI.

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

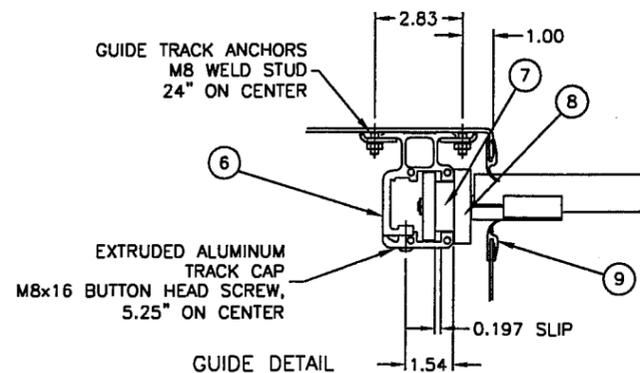
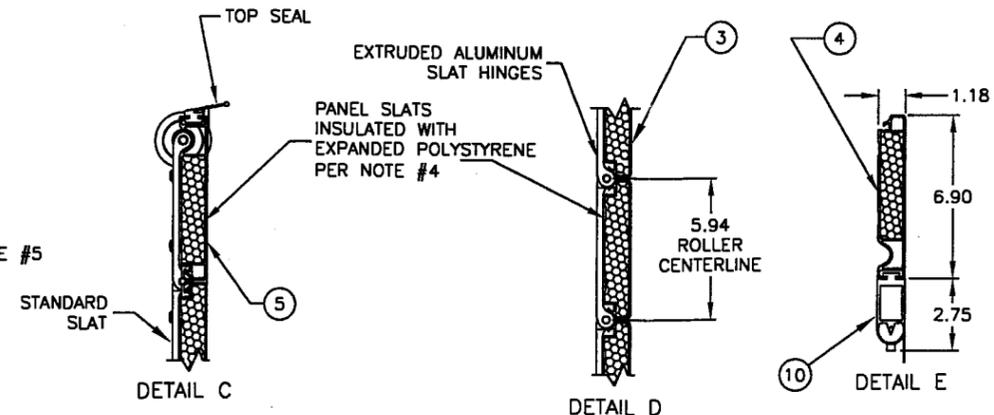
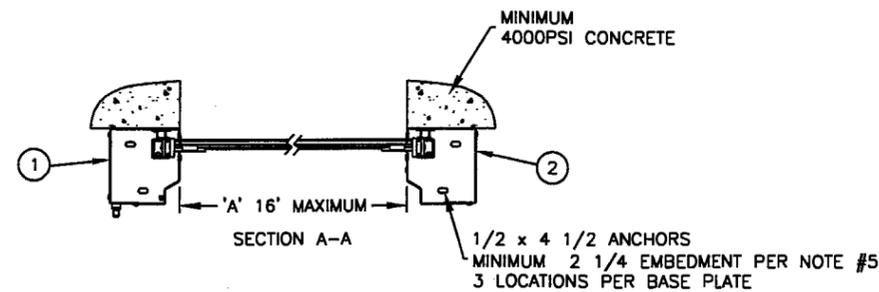
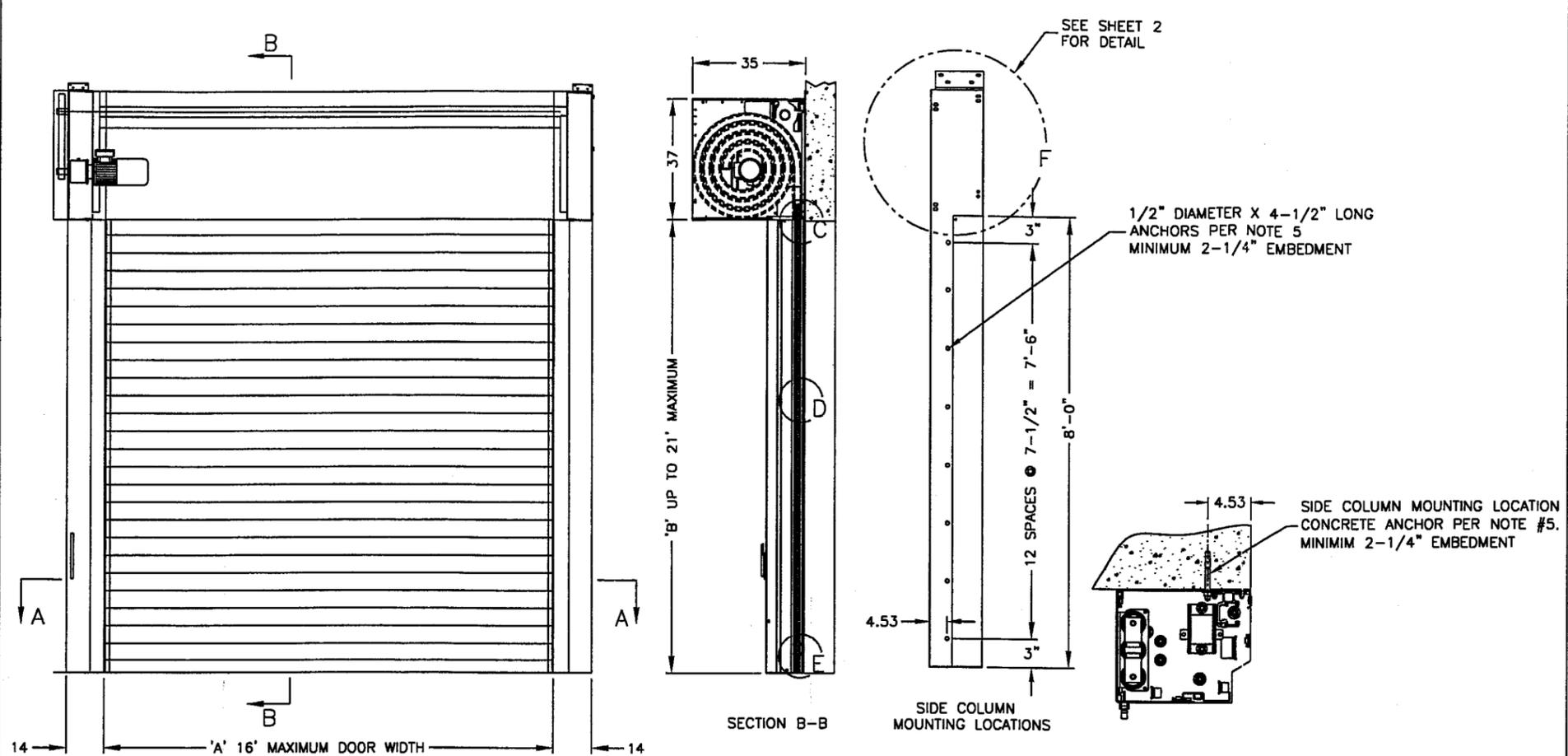
4) OPTIONAL PANEL SLAT INSULATION TO BE EPS - EXPANDED POLYSTYRENE FOAM. MANUFACTURED BY DYNAPLAST PRODUCTS, NOA#01-1108.09

5) CONCRETE ANCHORS TO BE 1/2" DIAMETER x 4-1/2" LONG RED HEAD ITW TRUBOLT WEDGE OR HILTI KWIK BOLT II 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=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.



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Approval No. 08-1024-03  
 Expiration Date 10/08/2012  
 By *M. H. Hark*  
 Miami Dade Product Control  
 Division

Manufacturer:  
**RYTEC CORPORATION**  
 ONE CEDAR PARKWAY  
 JACKSON, WI 53037  
 PH:262-677-9046  
 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

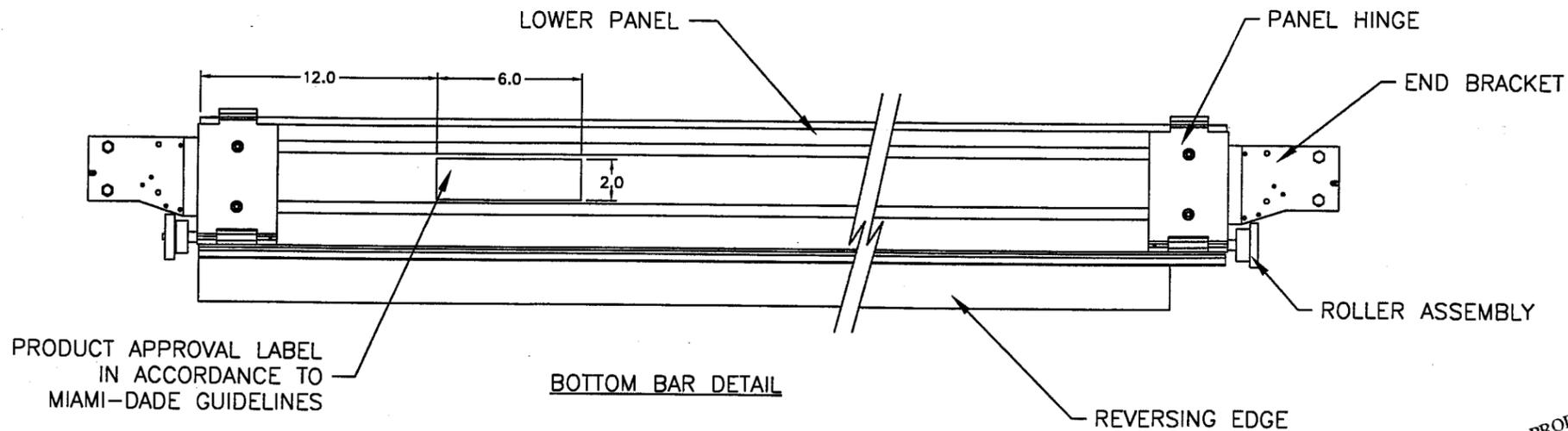
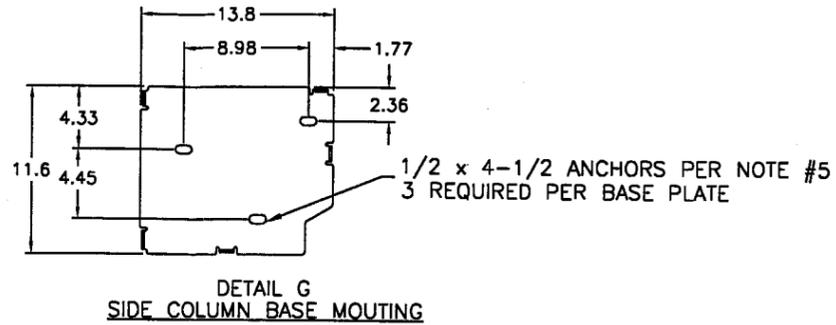
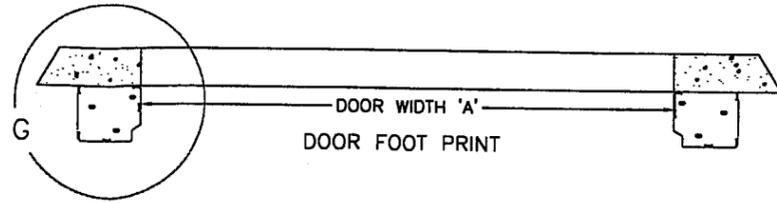
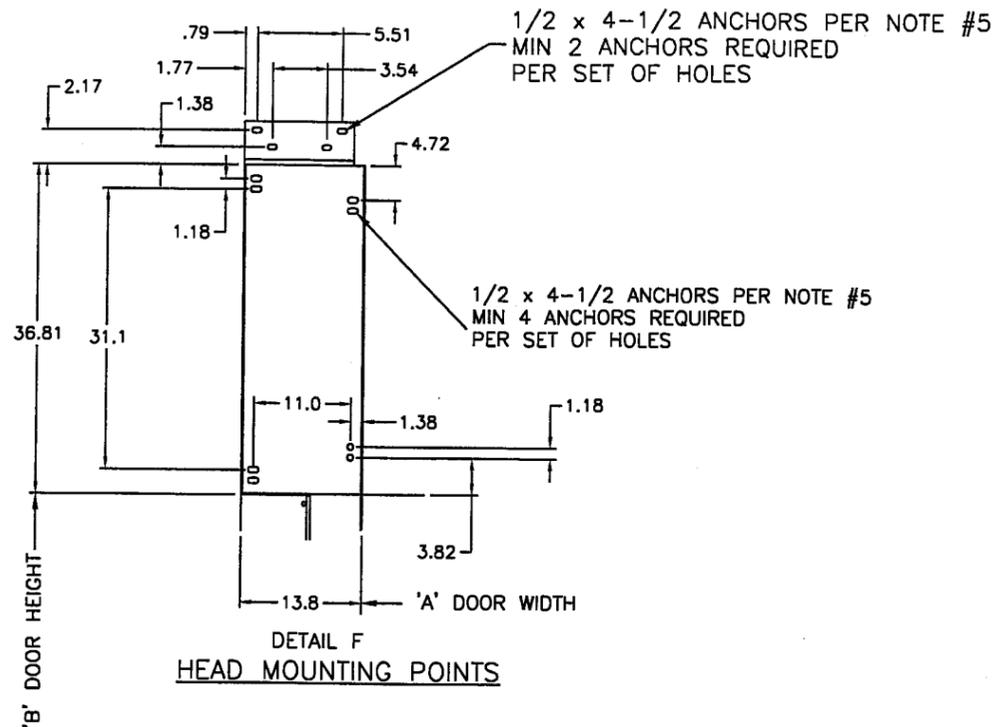
Drawn By: DAS  
 Drawn Date: 10/2/06  
 Scale: Not to scale  
 Revised: 10/1/07

Drawing Number  
**9B963-R4**

Sheet  
 1 of 4

*Allen N. Reeves*  
 3 DECEMBER 2008

REV	DESCRIPTION	DATE	BY
4	FBC WAS 2004; CONCRETE WAS 5000PSI	11/24/08	DAS
3	ADDED SHEETS 3&4 FOR SSN-HZ	10/1/08	DAS



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 08-1024.03  
 Expiration Date 11/28/12  
 By *M. H. ...*  
 Miami Dade Product Control  
 Division

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-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

*Allen N. Reeves*  
 3 DECEMBER 2008

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:  
**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

Drawn By: DAS  
 Drawn Date: 10/2/06  
 Scale: Not to scale  
 Revised: 10/01/07

Drawing Number  
 9B963-R4

Sheet  
 2 of 4

GENERAL NOTES

1) THE RYTEC SPIRAL DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE FBC, FOR A BASIC WIND SPEED OF 146 M.P.H. AND IN ACCORDANCE WITH ASCE 7-98 STANDARD.

THE SPIRAL DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1606 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 ANNOIDIZED WITH A MINIMUM YIELD STRENGTH 25KSI.

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

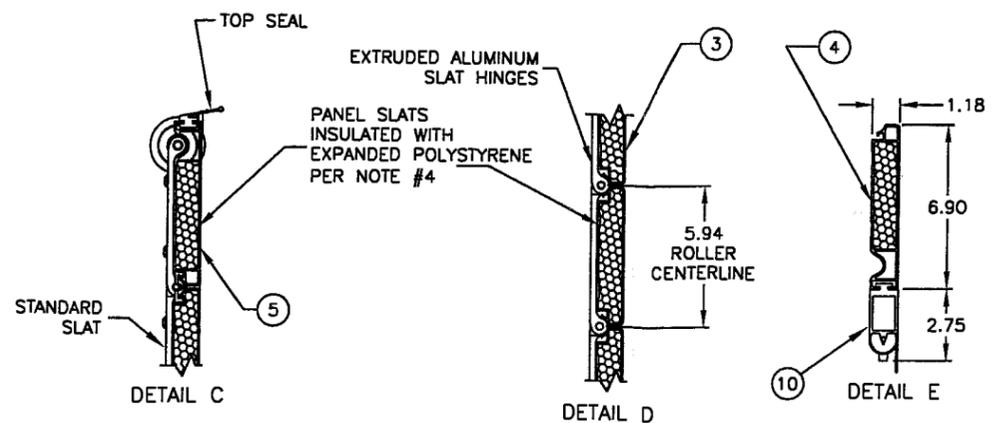
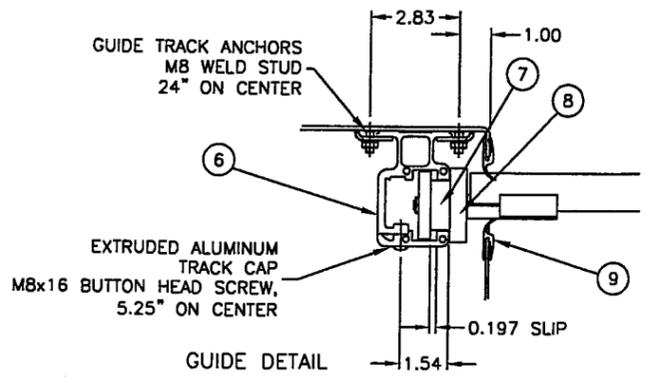
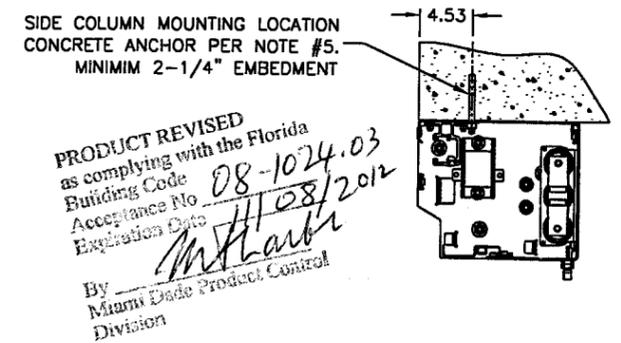
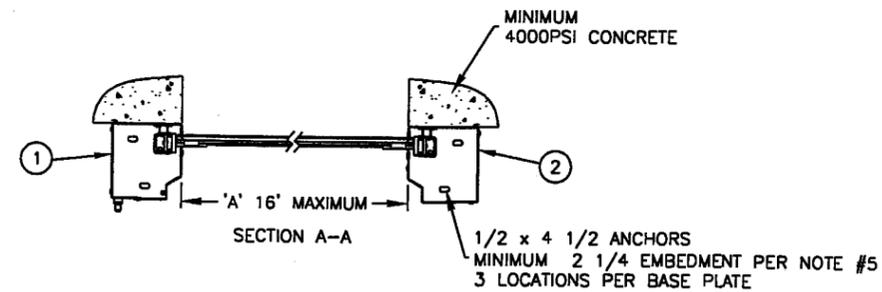
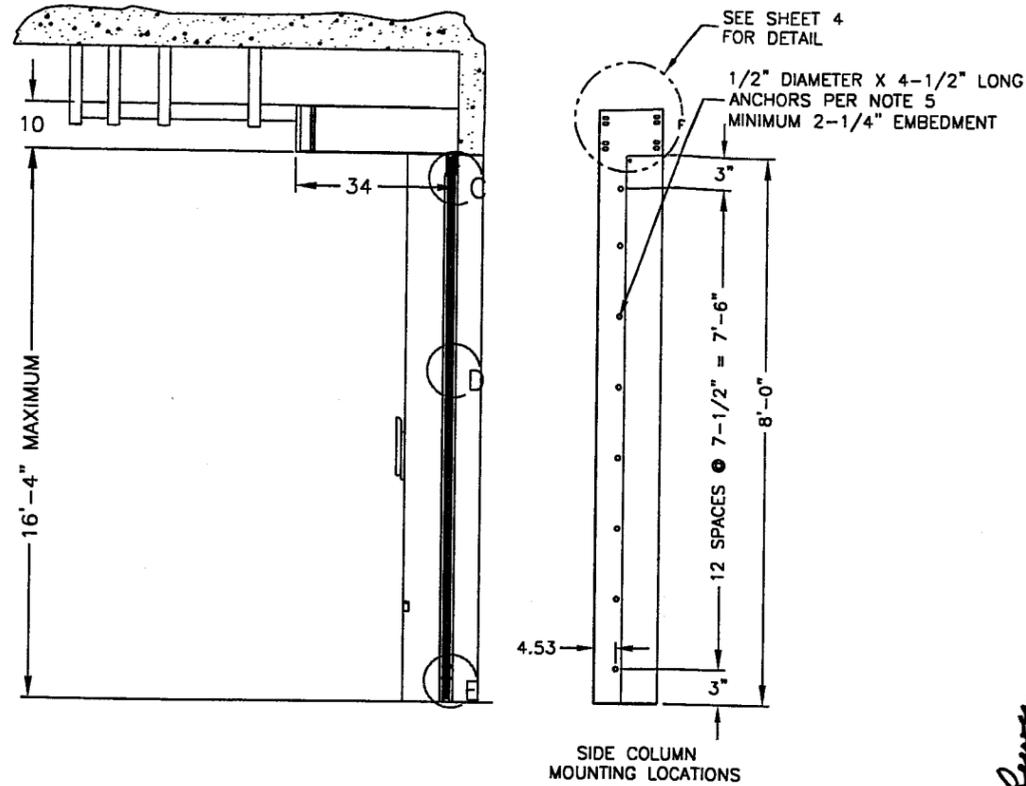
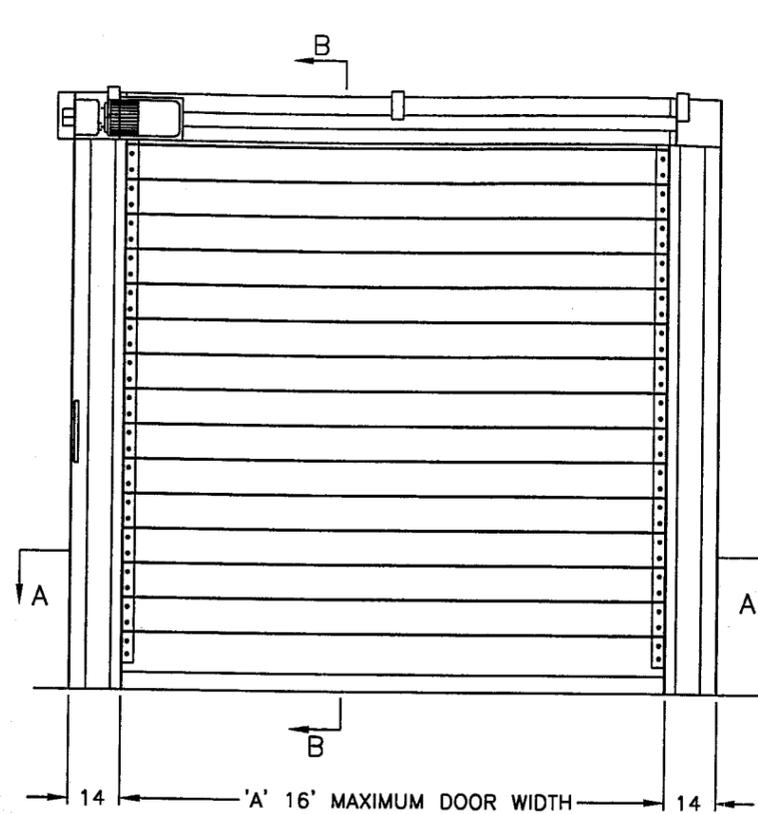
4) OPTIONAL PANEL SLAT INSULATION TO BE EPS - EXPANDED POLYSTYRENE FOAM. MANUFACTURED BY DYNAPLAST PRODUCTS, NOA#01-1108.09

5) CONCRETE ANCHORS TO BE 1/2" DIAMETER x 4-1/2" LONG RED HEAD ITW TRUBOLT WEDGE OR HILTI KWIK BOLT II 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=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.



Allen N. Reeves  
3 DECEMBER 2008

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

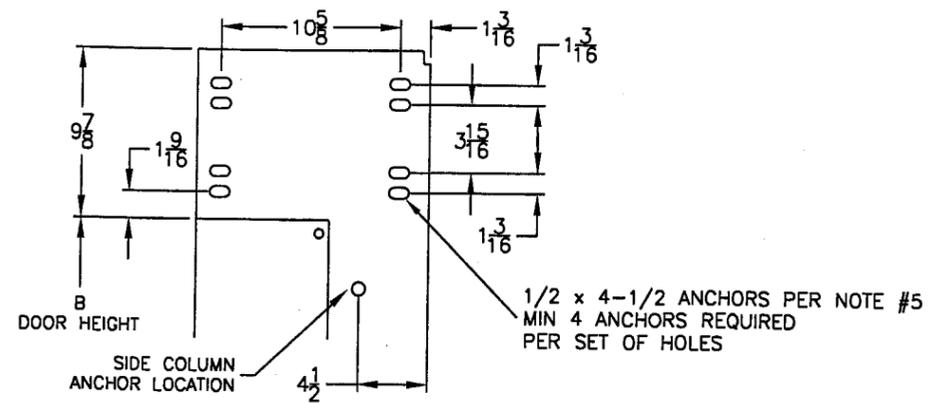
Product:  
SPIRAL ROLLUP DOOR  
MODEL: SSN-HZ

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

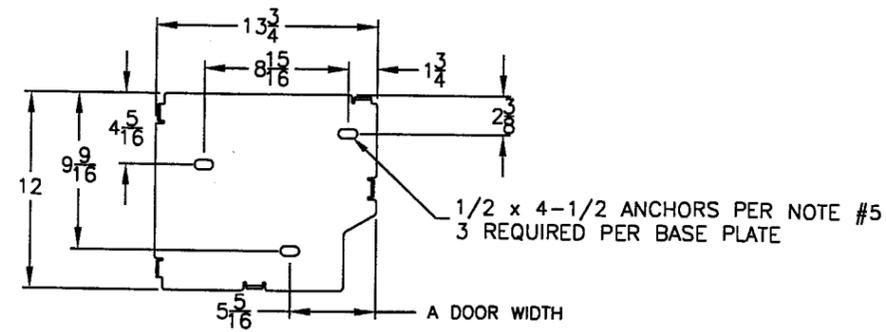
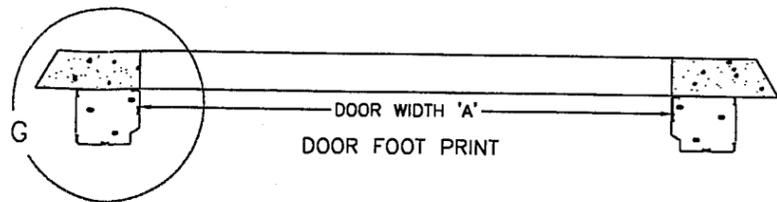
Drawn By: DAS  
Drawn Date: 10/2/06  
Scale: Not to scale  
Revised: 10/1/07

Drawing Number  
**9B963-R4**

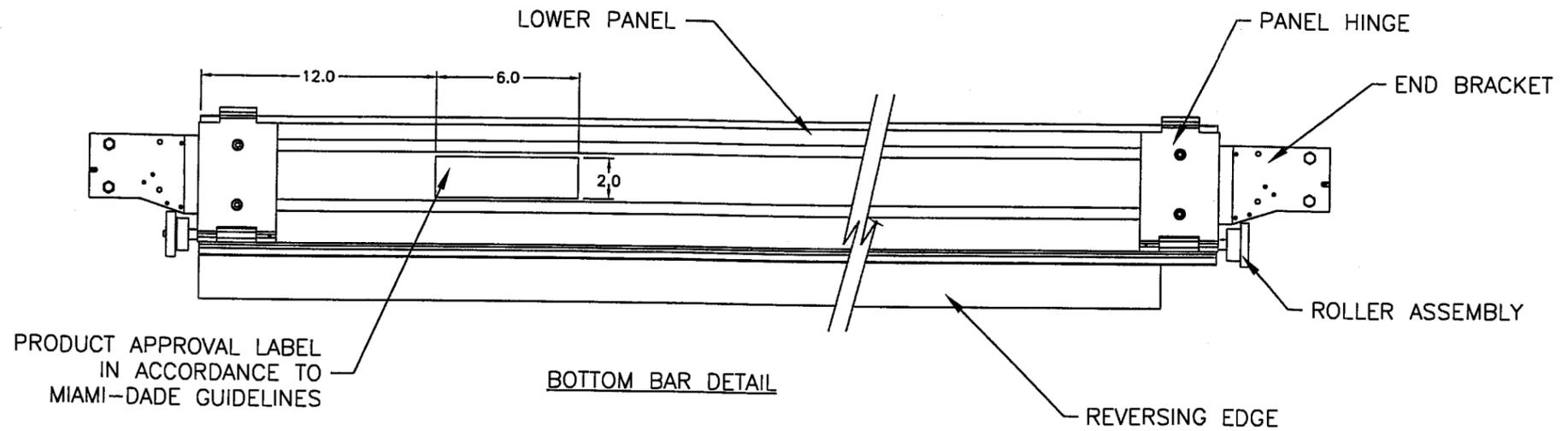
Sheet  
3 of 4



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-446
2	SIDE COLUMN, RH	1	GALVANIZED STEEL, ASTM A-446
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

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. DB-1024.03  
 Expiration Date 11/28/12  
 By M. H. Hall  
 Miami Dade Product Control  
 Division

Allen N. Reeves  
 3 DECEMBER 2008

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

Product:  
 SPIRAL ROLLUP DOOR  
 MODEL: SSN-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

Drawn By: DAS  
 Drawn Date: 10/2/06  
 Scale: Not to scale  
 Revised: 10/01/07

Drawing Number  
**9B963-R4**

Sheet  
 4 of 4