

**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

APPROVAL DOCUMENT: Drawing No. 9B963-R2, titled Spiral Rollup Door Model: SST-HZ, sheets 1 & 2 of 2, prepared by HR Engineering, Inc., signed sealed by Allen N. Reeves, P.E., dated 10/02/06 with last revision on 10/01/07, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 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.**



**NOA No. 06-1017.07
Expiration Date: November 08, 2012
Approval Date: November 08, 2007
Page 1**

Rytec Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

Drawing No. 9B963-R2, titled Spiral Rollup Door Model: SST-HZ, sheets 1 & 2 of 2, prepared by HR Engineering, Inc., signed sealed by Allen N. Reeves, P.E., 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 10/02/07, 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. 06-1017.07
Expiration Date: November 08, 2012
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GENERAL NOTES

1) THE RYTEC SPIRAL DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004. 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 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.

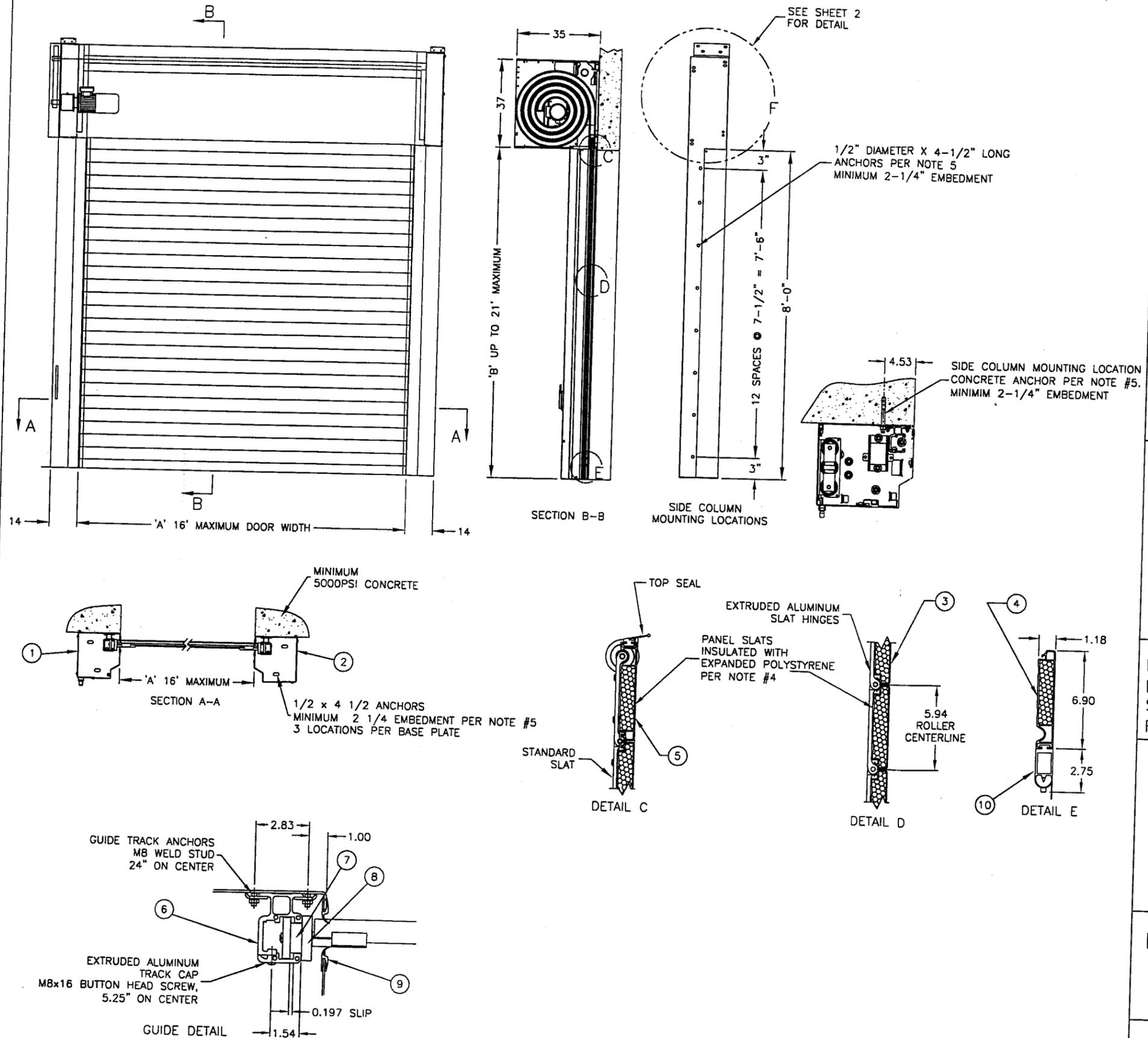
4) OPTIONAL PANEL SLAT INSULATION TO BE EPS - EXPANDED POLYSTYRENE FOAM. MANUFACTURED BY DYNAPLAST PRODUCTS, NOA#01-1108.09

5) CONCRETE ANCHORS TO BE 1/2" DIAMETER x 4-1/2" LONG RED HEAD 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 5000PSI 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.



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

Approved as complying with the
 Florida Building Code
 Date 11/28/07
 NOA# 06-1017-07
 Miami Dade Product Control
 Division
 By *[Signature]*

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

Drawing Number
 9B963-R2

Sheet
 1 of 2

Allen N. Reeves
 2 OCTOBER 2007

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 SPIRAL ROLLUP DOOR
 MODEL: SST-HZ

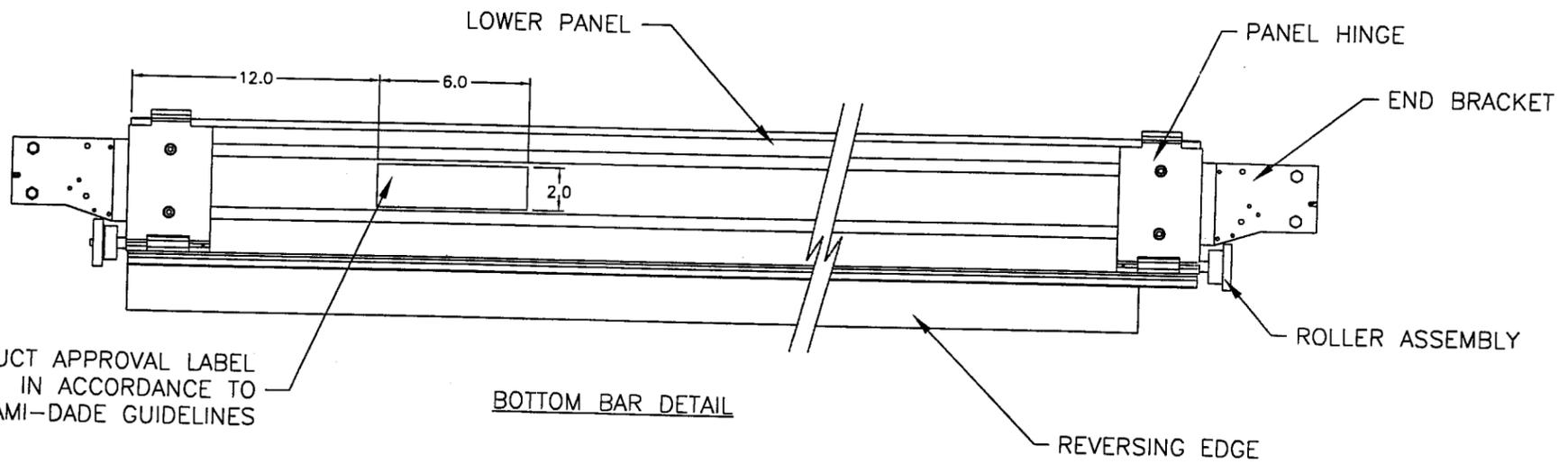
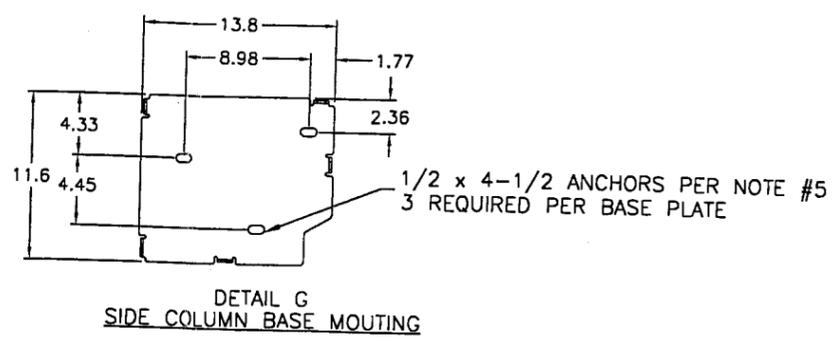
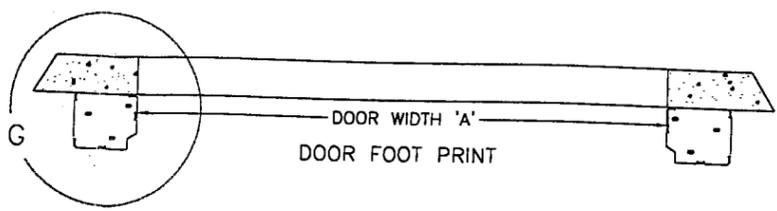
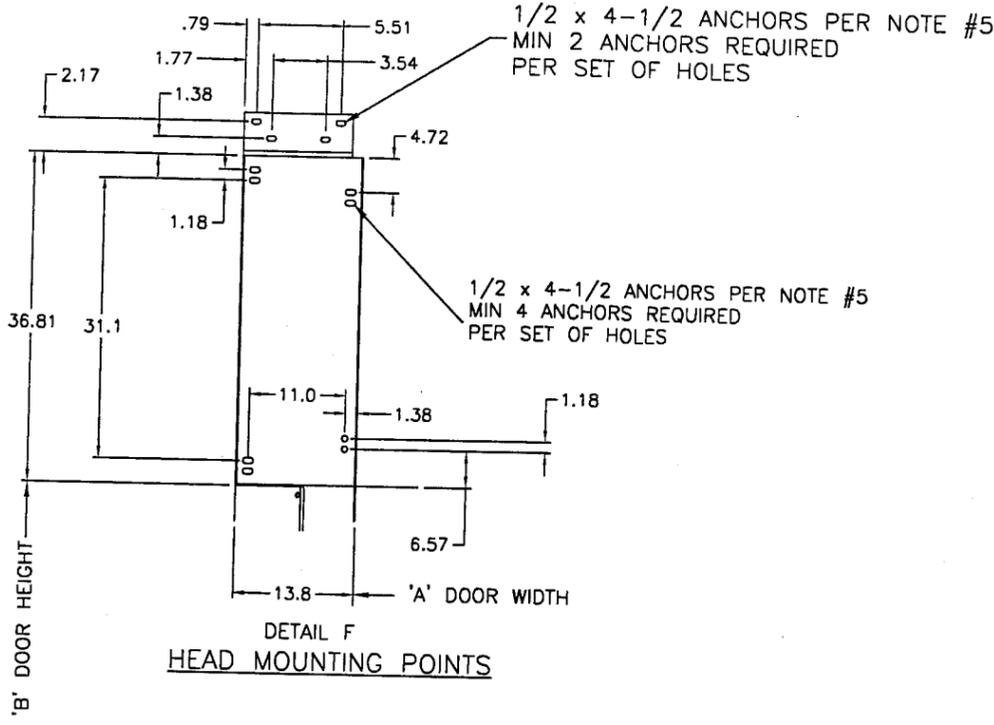
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Drawing Number
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Sheet
 2 of 2



| 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
 2 OCTOBER 2007