



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

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Alpine Overhead Doors, Inc.
309 Nassau Avenue
Brooklyn ,NY 11222

Your application for Notice of Acceptance (NOA) of:

20' Wide Rolling Steel Door

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0821.08
EXPIRES: 12/07/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 09/20/2001



NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1.0 SCOPE:

1.1 This renews the Notice of Acceptance No. 98-1117.04 which was issued on 02/05/99. It approves a roll up door as described in section 2 of this Notice of Acceptance. It is designed to comply with the South Florida Building Code, 1994 edition for Miami-Dade County (S.F.B.C.) for the locations where the pressure requirements, as determined by the S.F.B.C. chapter 23, do not exceed the design pressure rating values indicated on the approved drawings.

2.0 PRODUCT DESCRIPTION:

2.1 The **Alpine Roll –Up 20’-8” Wide Door** and its components shall be built in strict compliance with the following documents: Drawing No. ALP-01/3 through ALP 03/3, prepared by Alpine Overhead Doors Inc., dated 04/24/95, with latest revision on 11/02/95. The drawing shall bear the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3.0 LIMITATION:

3.1 Units with dimensions equal to or smaller than those shown on the approved drawing shall qualify under this approval, as long as all components are exactly as described in this approval.

4.0 INSTALLATION:

4.1 The Roll-Up Door and its components shall be installed in strict compliance with the approved drawings.
4.2 The installation of this door does **not require** a hurricane protection system.

5.0 LABELLING

5.1 Each door shall bear a permanent label with the manufacturer’s name or logo, city, state and the following statement “Miami Dade County Product Control Approved”

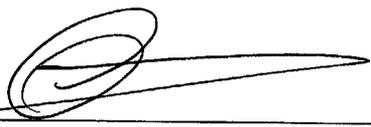
6.0 BUILDING PERMIT REQUIREMENTS.

6.1 Application for Building Permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings as identified in section 2; clearly marked to show the Components selected for the proposed installation.

6.1.3 Any other document required by the building Official or the S.F.B.C. in order to properly evaluate the installation of this system.


Candido Font, PE, Sr. Product Control Examiner
Product Control Division

Alpine Overhead Doors, Inc.

ACCEPTANCE NO: 01-0821.08

APPROVED: SEP 20 2001

EXPIRES: 12/07/2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A DRAWINGS:

1. Drawing prepared by Alpine Overhead Doors, Inc., Drawing No. ALP-01/3 through ALP-03/3, dated 04/24/95 with latest revision on 11/02/95, signed and sealed by F.P. Degiovanni PE.

B TEST:

1. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on a "Steel Rolling Garage Door", prepared by Architectural Testing Inc., report # ATI-14980, dated 05/10/95, signed and sealed by A. N. Reeves PE.
2. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test on a "Steel Rolling Garage Door", prepared by Architectural Testing Inc., report # 01-31479.01, dated 10/22/98, signed and sealed by A. N. Reeves PE.

C CALCULATIONS:

1. Calculations for the Attachment of Guide Angles to Wall or Jamb, dated 08/29/95, pages ALP-ADEM-1 through ALP-ADEM-4, (For deflection, F mount, Z mount and E mount), signed and sealed by F. Costanzo PE.
2. Revision 1, changed dimension G from 1-3/8" to 1-5/8", dated 08/29/95, pages ALP-ADEM-3, signed and sealed by F. Costanzo. PE.

D STATEMENTS:

1. Test Compliance letter issued by Architectural Testing, Inc. on 10/26/98, signed and sealed by A. N. Reeves.
2. No Change letter issued by Alpine Overhead Doors, Inc. on 06/15/01 and signed by S. Magro.


Candido Font, PE, Sr. Product Control Examiner
Product Control Division

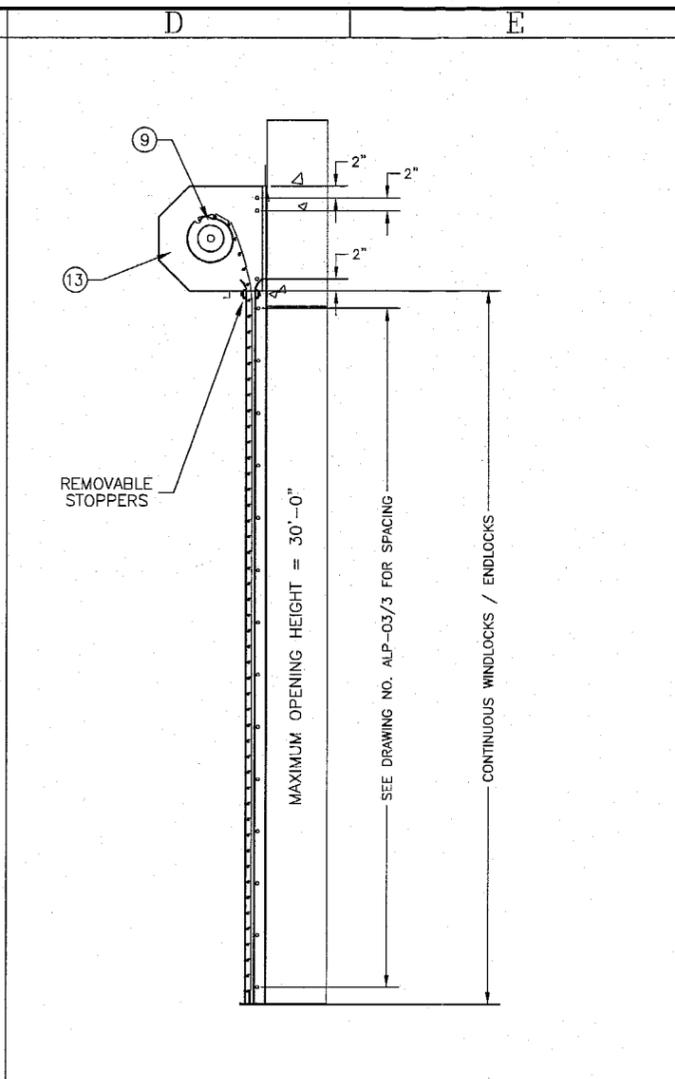
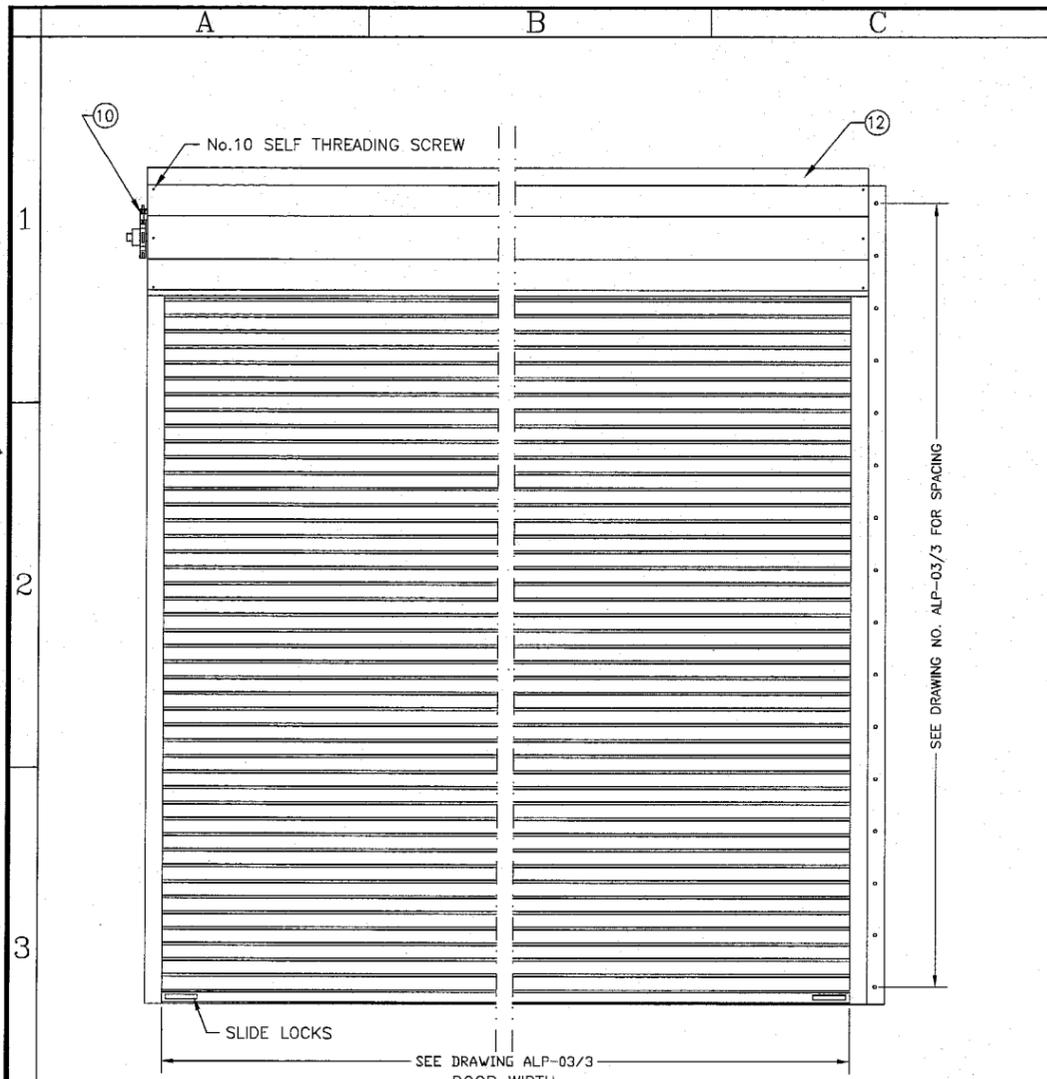
NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering professions.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process;
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1, 2, and this last page 3.



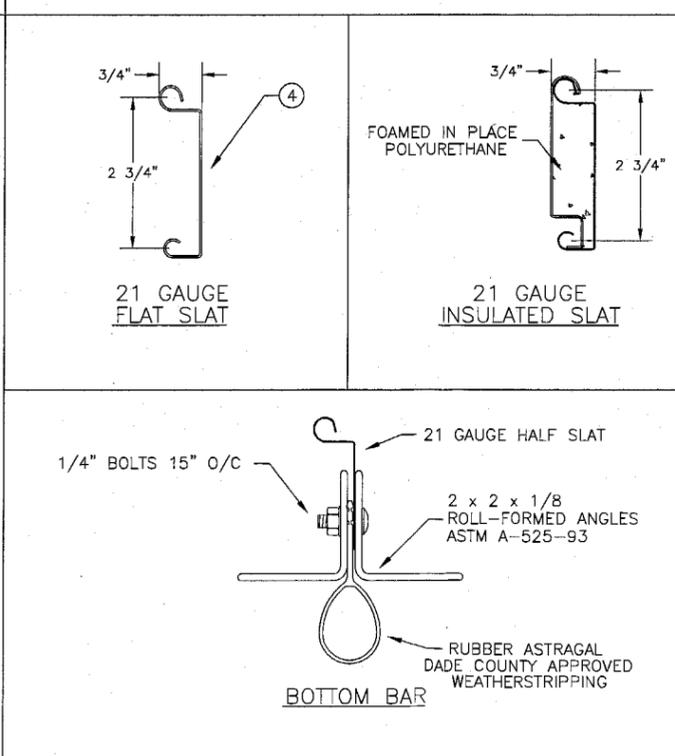
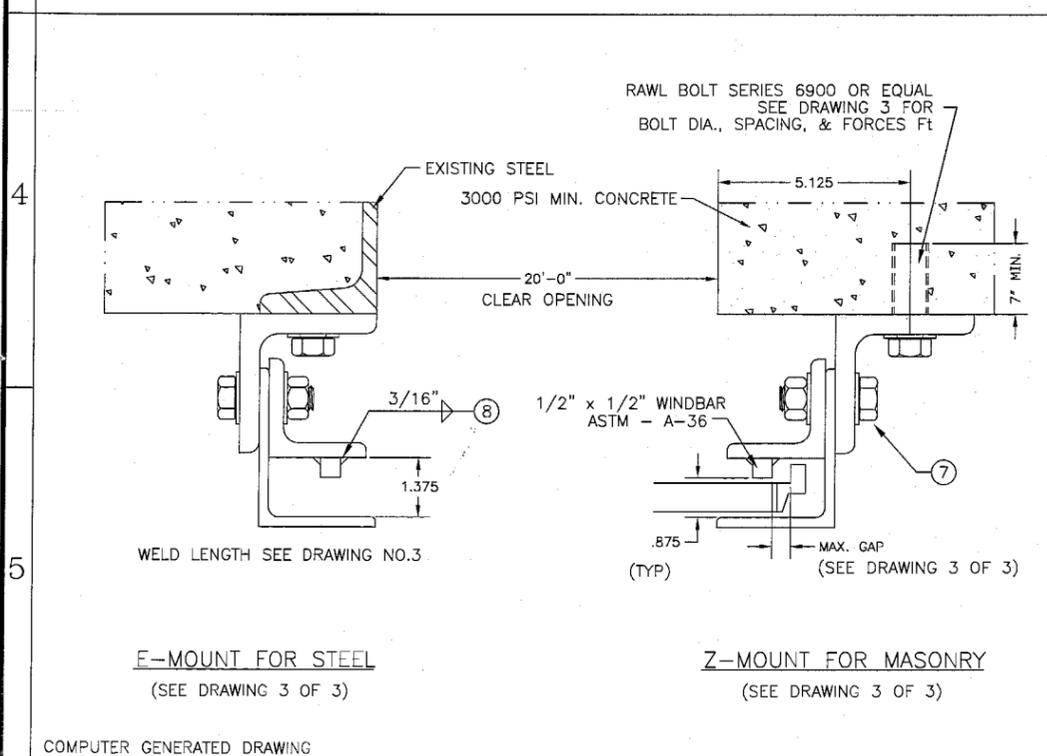
Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



GENERAL NOTES

- THIS DOOR WAS DESIGNED ACCORDING TO THE 1994 EDITION OF THE SOUTH FLORIDA BUILDING CODE, AND THE BROWARD COUNTY 1994 EDITION
- CALCULATIONS ON POSITIVE AND NEGATIVE DESIGN PRESSURE ARE PERFORMED IN ACCORDANCE WITH ASCE 7-88 (MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES)
- THE DETAILS AND SPECIFICATIONS SHOWN WITHIN THESE SET OF DRAWINGS REPRESENT THE PRODUCTS TESTED FOR IMPACT, CYCLIC AND STATIC AIR PRESSURE ACCORDING TO DADE COUNTY PROTOCOLS PA 201, 202, AND 203 AT BASE DESIGN LOADS OF 60 PSF POSITIVE AND NEGATIVE.
- SLATS TO BE ASTM A-446 GRADE C WITH G-90 GALVANIZING OR STAINLESS STEEL WITH MINIMUM $F_y = 40$ KSI
- ALL STEEL ANGLES AND WINDBAR TO BE SHOP PRIMED.
- WINDLOCKS TO BE DUCTILE IRON WITH MINIMUM $F_y = 42$ KSI
- ALL ASSEMBLY BOLTS TO BE ASTM - A 449 / SAE GRADE 5 OR STAINLESS STEEL-304
- ALL WELDING TO BE IN ACCORDANCE WITH AWS LATEST EDITION AND SOUTH FLORIDA BUILDING CODE. WELDING TO BE DONE BY CERTIFIED WELDERS USING 70XX ELECTRODES
- SPRING COUNTERBALANCE TO BE HOUSED IN A STEEL PIPE OF DIAMETER AND WALL THICKNESS TO RESTRICT MAXIMUM DEFLECTION OF 0.03" PER FOOT OF DOOR WIDTH.
- CHARGE WHEEL FOR APPLYING SPRING TORQUE FOR COUNTERBALANCE ASSEMBLY AND FUTURE ADJUSTMENTS
- RIVETS FOR WINDLOCKS/ENDLOCKS ARE TO BE SEMI-TUBULAR 0.246/0.252 DIA. 0.437 MUSHROOM HEAD x 7/16", ASTM A-31.
- HOOD IS TO BE 24 GAUGE ASTM - 525 WITH G-90 GALVANIZING
- BRACKETS ARE STEEL PLATES NOT LESS THAN 1/4" THICK. BALL BEARING AT ROTATING SUPPORT POINTS. BOLTED TO MOUNTING ANGLE, SUPPORTS COUNTERBALANCE ASSEMBLY AND FORMS END ENCLOSURES. SIZED TO CONFORM SMOOTH OPERATION.



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE SEP 10 2001

BY [Signature]

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0821.08

PATENT PENDING

THIS DRAWING IS PROPERTY OF ALPINE OVERHEAD DOORS, INC. DO NOT REPRODUCE WITHOUT WRITTEN CONSENT.

11/2	4	REVISED BOLT DIMENSIONS	S.A.M	DRAWN	CHECK
9/29	3	REVISED DIMENSIONS	S.A.M		
5/23	2	SPACE ADDED TO TITLE BLOCK	S.A.M		
4/25	1	REVISED NOTE #4	S.A.M		
		REVISION RECORD			

APPLICATION# 94-1101.06

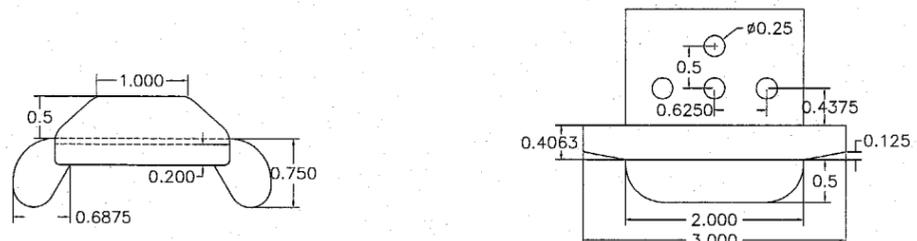
ALPINE
OVERHEAD DOORS, INC.
309 NASSAU AVENUE, BROOKLYN, N.Y. 11222
TEL: (718)384-6100 FAX: (718)486-6324
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PROFESSIONAL ENGINEER
FLORIDA LICENSE NUMBER 55071

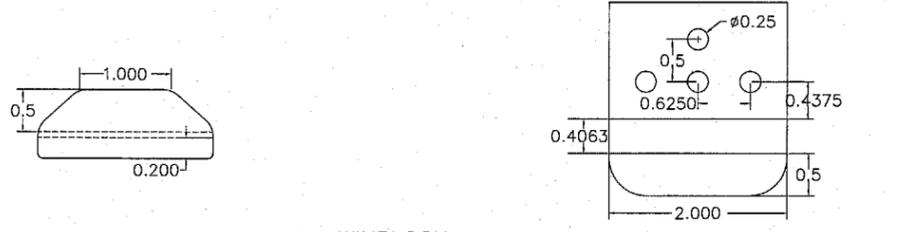
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DATE 4-24-95
DRAWN BY S.A.M.
APPR. BY [Signature]
DRAWING# ALP-01/3 REV. 4

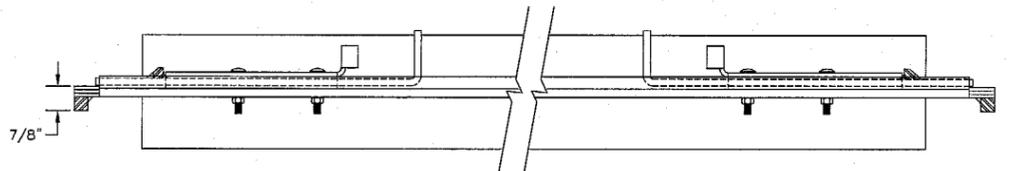
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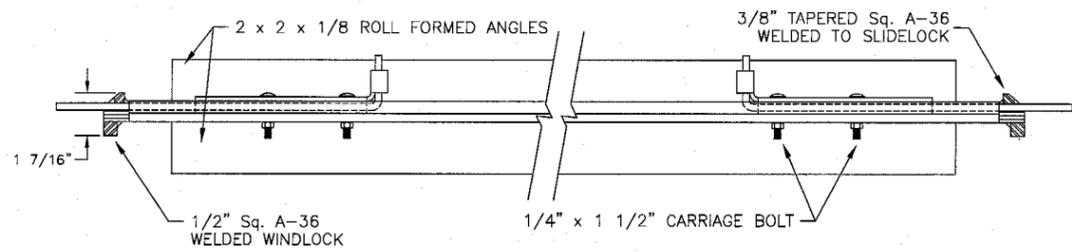
WINDLOCK / ENDLOCK



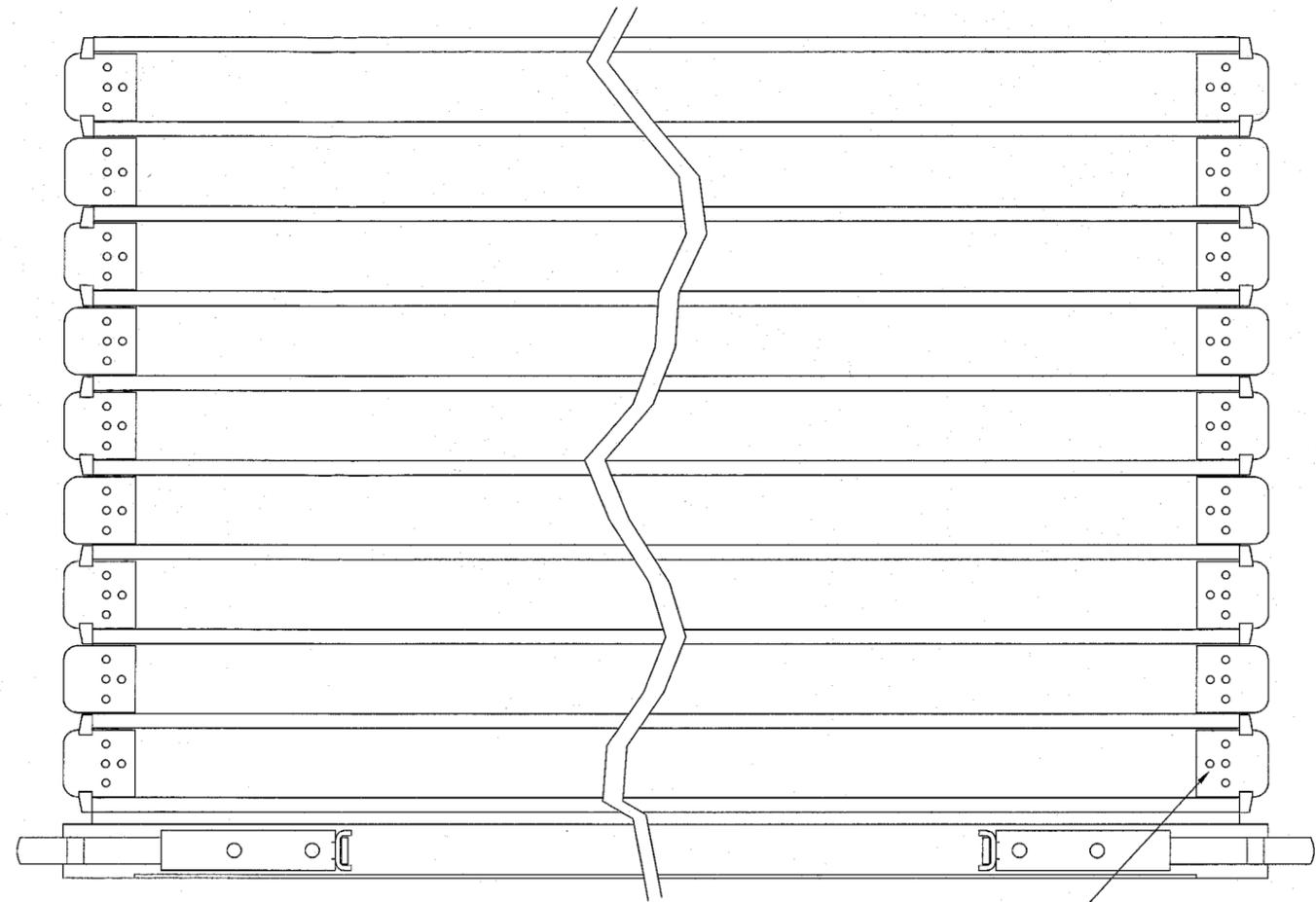
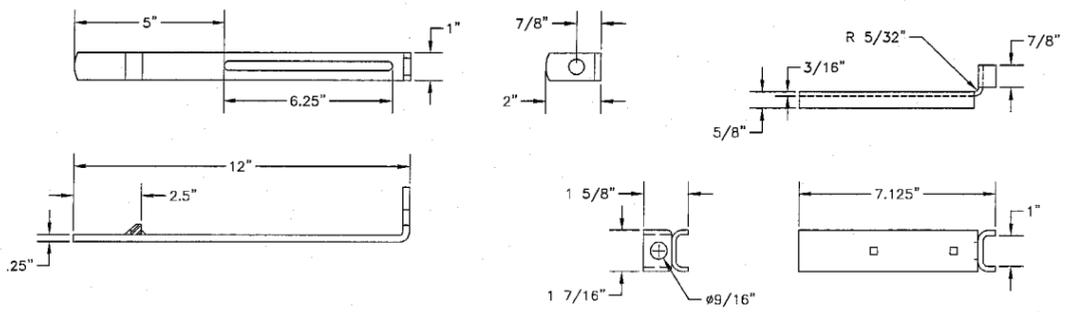
WINDLOCK



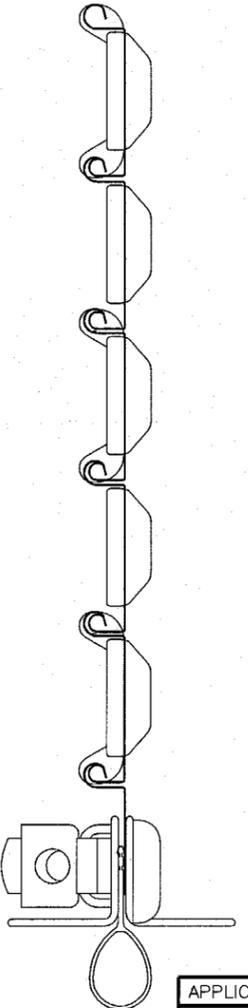
UNLOCKED POSITION



LOCKED POSITION
SLIDE LOCK
PATENT PENDING



NUMBER OF SLATS TO ACCOMMODATE OPENING HEIGHT



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APPLICATION# 94-1101.06

PROFESSIONAL ENGINEER
FLORIDA LICENSE NUMBER 55071
DATE **SEP 20 2001**
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0821.08**

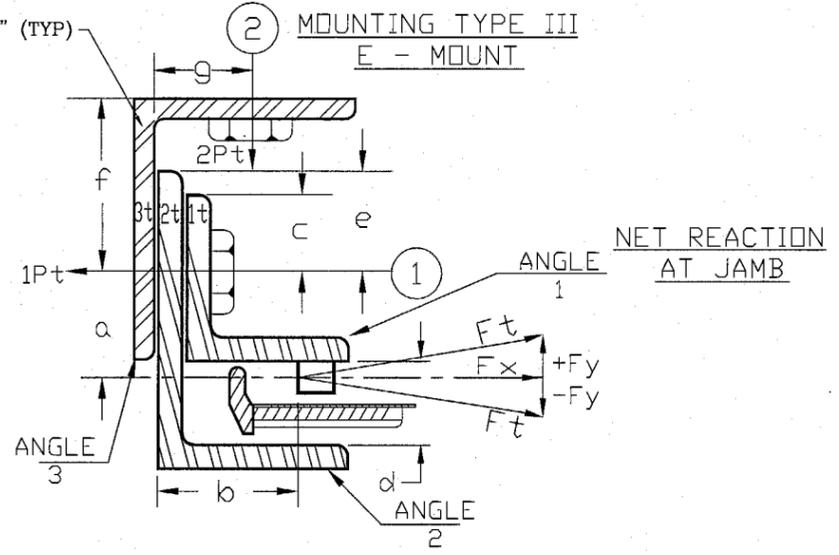
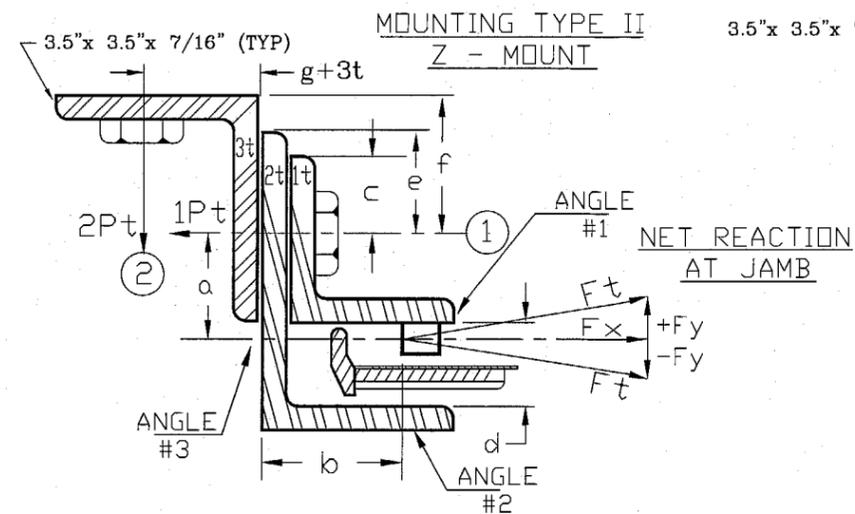
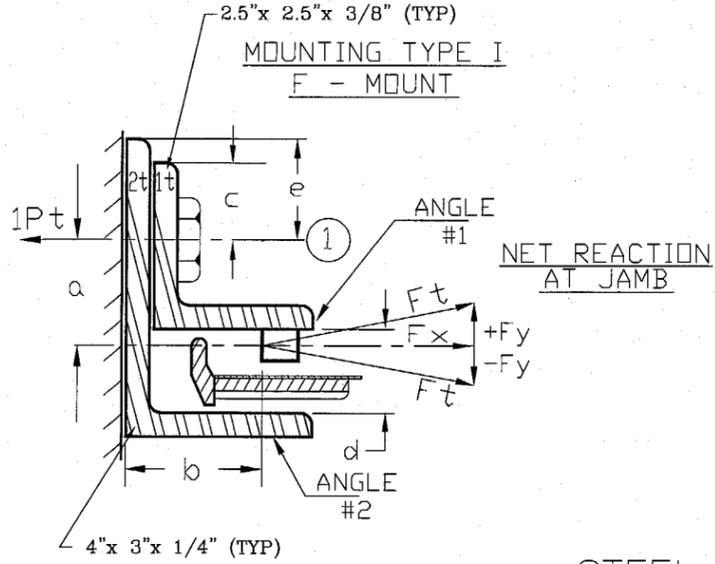
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 20 2001**
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0821.08**

DATE	4-24-95
DRAWN BY	S.A.M.
APPR. BY	
DRAWING#	ALP-02/3
REV.	1

PATENT PENDING

DATE	5/23	NO.	1
REVISION RECORD	SPACE ADDED TO TITLE BLOCK		
DRAWN	S.A.M.	CHECK	

1. THE FOLLOWING CALCULATIONS ARE BASED ON ACTUAL TESTING RESULTS ON THE SLAT DEFLECTION CURVE ASSUMING THE SHAPE OF A CATENARY AS SOON AS THE WINDLOCKS ENGAGE THE GUIDES. THE WINDLOCKS LIMIT THE SLAT DEFLECTION AND BENDING STRESS AND ARE DESIGNED TO ENGAGE THE GUIDES PRIOR TO THE SLATS ATTAINING MAXIMUM ALLOWABLE DEFLECTIONS AND BENDING STRESS WITHOUT RESTRAINTS
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR / OWNER TO VERIFY THAT THE STRUCTURE IS DESIGNED TO SUPPORT FORCES F_x AND F_y AT BOTH JAMBS
3. BOLTS TO BE AS PER ASTM A449 EXCEPT BOLTS MOUNTED TO CONCRETE JAMBS WHICH WILL BE RAWL SERIES 6900 OR EQUAL



STEEL ANGLES TO BE ASTM A-36 DESIGNATION

F-MOUNT TYPE FOR MOUNTING BETWEEN STRUCTURAL STEEL JAMBS OR TUBES SUITABLE TO ACCEPT FORCES

DOOR WIDTH	SLAT THK.	MOUNTING DIMENSIONS (SEE MOUNTING CONDITIONS)								MAX. GAP	D = BOLT DIA., S = SPACING(IN) Pt = BOLT TENSION FORCE, Ps = BOLT SHEAR FORCE								DEFL. IN.	W'BAR THK.	RIVETS NO/DIA.	WELD LEN.	NET REACT FORCE /FT	
		a	b	c	d	e	f	g	1D		1S	1Pt	1Ps	2D	2S	2Pt	2Ps	Fx					Fy	
		20'-0"	.0355"	1.75	1.75	1.00	1.375	.875	N/A		N/A	.875	.625	9	6617	452	N/A	N/A					N/A	N/A
16'-0"	.0355"	1.75	1.75	1.00	1.375	.875	N/A	N/A	.5	.625	9	6158	361	N/A	N/A	N/A	N/A	8.49	.5	4/.25	13/16	2723	481	
12'-0"	.0355"	1.75	1.75	1.00	1.375	.875	N/A	N/A	.219	.625	9	5914	271	N/A	N/A	N/A	N/A	4.86	.5	4/.25	13/16	2671	361	

Z-MOUNT TYPE FOR MOUNTING TO FACE OF MASONRY JAMBS OR TUBES SUITABLE TO ACCEPT FORCES

DOOR WIDTH	SLAT THK.	MOUNTING DIMENSIONS (SEE MOUNTING CONDITIONS)								MAX. GAP	D = BOLT DIA., S = SPACING(IN) Pt = BOLT TENSION FORCE, Ps = BOLT SHEAR FORCE								DEFL. IN.	W'BAR THK.	RIVETS NO/DIA.	WELD LEN.	NET REACT FORCE /FT	
		a	b	c	d	e	f	g	1D		1S	1Pt	1Ps	2D	2S	2Pt	2Ps	Fx					Fy	
		20'-0"	.0355"	1.75	1.75	1.00	1.375	.875	1.563		1.375	.875	.625	9	6617	452	.750	8					3902	1923
16'-0"	.0355"	1.75	1.75	1.00	1.375	.875	1.563	1.375	.5	.625	9	6158	361	.750	8	3627	1815	8.49	.5	4/.25	13/16	2723	481	
12'-0"	.0355"	1.75	1.75	1.00	1.375	.875	1.563	1.375	.219	.625	9	5914	271	.750	8	3487	1781	4.86	.5	4/.25	13/16	2671	361	

E-MOUNT TYPE FOR MOUNTING TO FACE OF STEEL JAMBS OR TUBES SUITABLE TO ACCEPT FORCES

DOOR WIDTH	SLAT THK.	MOUNTING DIMENSIONS (SEE MOUNTING CONDITIONS)								MAX. GAP	D = BOLT DIA., S = SPACING(IN) Pt = BOLT TENSION FORCE, Ps = BOLT SHEAR FORCE								DEFL. IN.	W'BAR THK.	RIVETS NO/DIA.	WELD LEN.	NET REACT FORCE /FT	
		a	b	c	d	e	f	g	1D		1S	1Pt	1Ps	2D	2S	2Pt	2Ps	Fx					Fy	
		20'-0"	.0355"	1.75	1.75	1.00	1.375	.875	2.063		1.375	.875	.625	9	6617	452	.625	9					5231	2160
16'-0"	.0355"	1.75	1.75	1.00	1.375	.875	2.063	1.375	.5	.625	9	6158	361	.625	9	4895	2042	8.49	.5	4/.25	13/16	2723	481	
12'-0"	.0355"	1.75	1.75	1.00	1.375	.875	2.063	1.375	.219	.625	9	5914	271	.625	9	4736	2003	4.86	.5	4/.25	13/16	2671	361	

PATENT PENDING

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BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0821.08

FRANCESCO DE GIOVANNI
PROFESSIONAL ENGINEER
FLORIDA LICENSE NUMBER 55071

DATE	
DRAWN BY	S.A.M.
APPR. BY	
DATE	4-24-95
DRAWING#	ALP-03/3
REV.	4

NO.	DATE	REVISION RECORD
11/24		REVISED NOTE 3; REVISED CALCS
9/29/3		ADDED NOTE 3; REVISED CALCS
7/12/2		REVISED CALCULATIONS
5/23/1		SPACE ADDED TO TITLE BLOCK
		DRAWN
		CHECK