



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

Amarr Garage Doors
5931 Grassy Creek Blvd.
Winston-salem ,NC 27105

Your application for Notice of Acceptance (NOA) of:

24 GA. Steel Sectional Door 16' Wide

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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 00-0614.06
EXPIRES: 10/09/2003

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: 08/24/2000

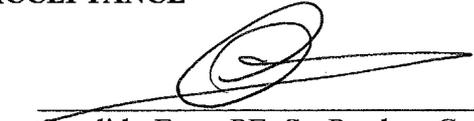
Amarr Garage Doors.

ACCEPTANCE No. : 00-0614.06
APPROVED : AUG 24 2000
EXPIRES : 10/09/2003

NOTICE OF ACCEPTANCE: SPECIFIC 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 Approval", 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 profession.
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 purposes.
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 time. The engineer needs 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 Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



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

Amarr Garage Doors.

ACCEPTANCE No. : 00-0614.06
APPROVED : AUG 24 2000
EXPIRES : 10/09/2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This renews the Notice of Acceptance No. 97-0114.03 that was issued on 10/09/97. It approves a sectional steel garage door 16'-0" wide x 7'-0" through 8'-0" high, as described in Section 2 of this Notice of Acceptance (NOA), designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County. For the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

The **Amarr 16' wide Sectional Garage Door** and its components shall be constructed in strict compliance with the following documents: Drawing No. SFC-590-001, titled "Model #950 "Heritage III" Short Panel and Flush" prepared by Amarr Garage Doors, drawn & checked on 10//07/96 with last revision on 05/15/00, sheet 1 and 2 of 2. They bear 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

This approval requires the manufacturer to do testing of all coils used to fabricate door panels under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimens were selected from coils at the manufacturer production facilities. And a notarized statement from the manufacturer that only coils with yield strength of 32,000 psi or more shall be used to make door panels for Dade County under this Notice of Acceptance.

4. INSTALLATION

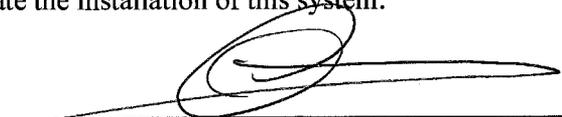
- 4.1 The sectional steel garage door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 The installation of this door does **not require** a hurricane protection system.
- 4.3 Units with dimensions equal to or smaller than those shown in the approved drawing shall qualify under this approval.

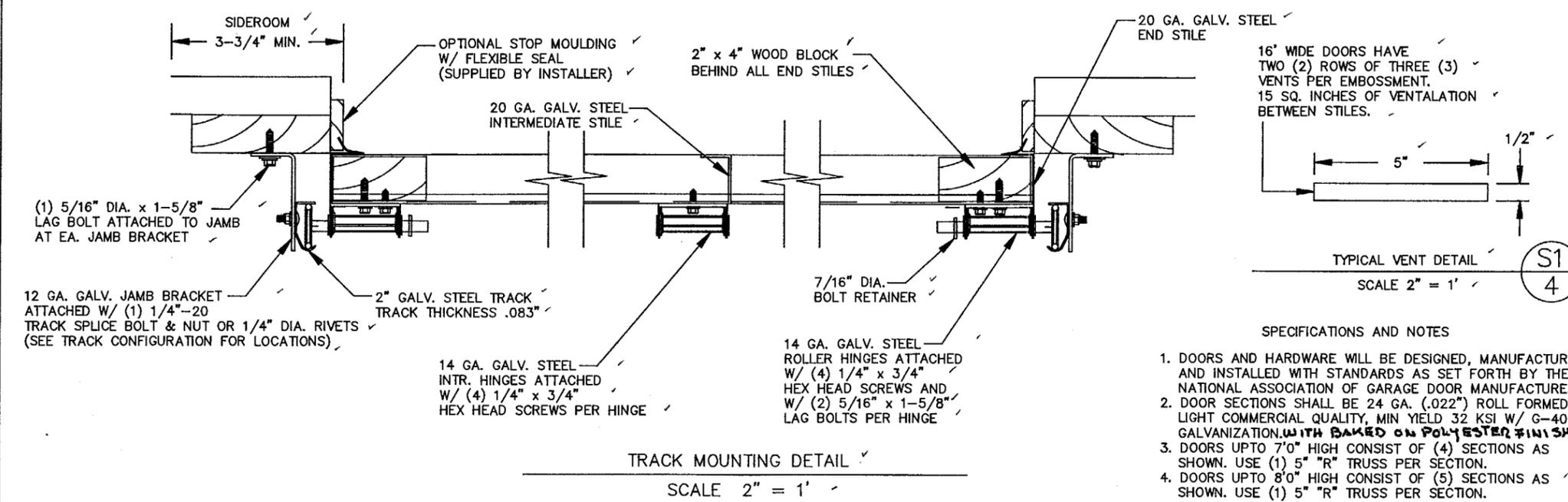
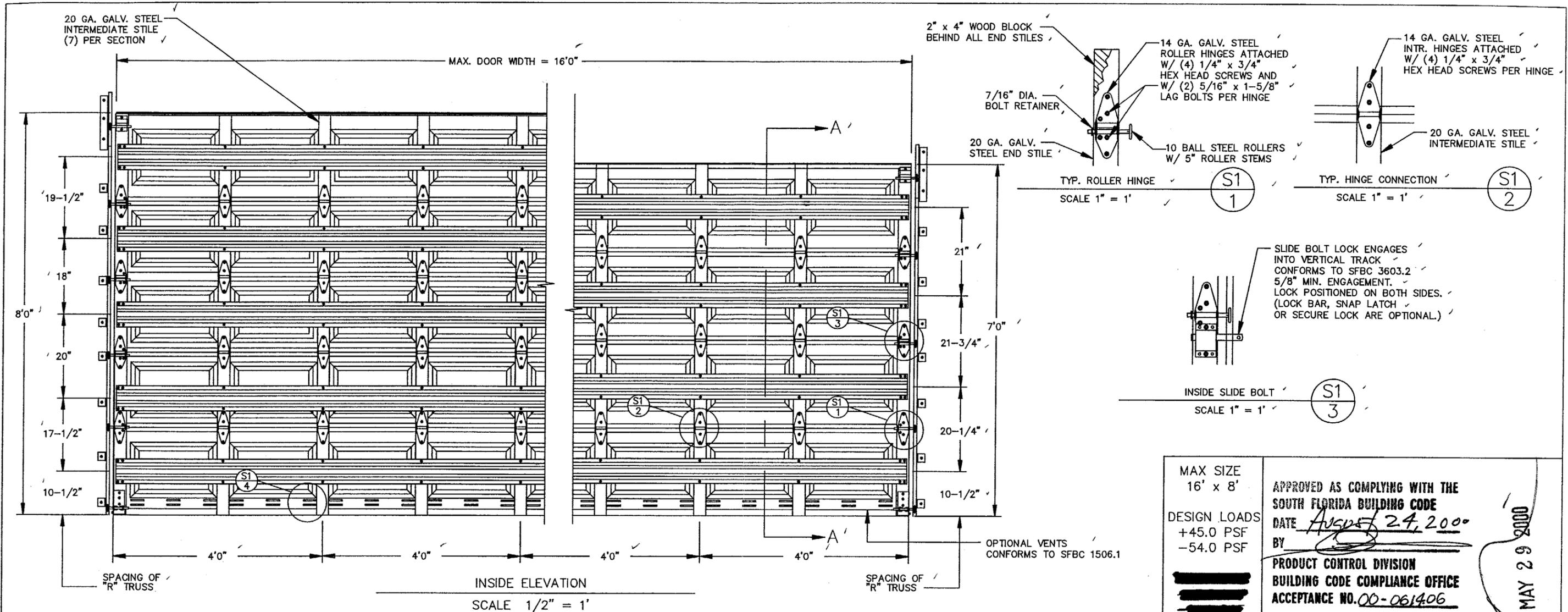
5. LABELING

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

6. 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 of this NOA, clearly marked to show the components selected for the proposed installation.
 - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


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



- SPECIFICATIONS AND NOTES
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY THE NATIONAL ASSOCIATION OF GARAGE DOOR MANUFACTURERS.
 - DOOR SECTIONS SHALL BE 24 GA. (.022") ROLL FORMED LIGHT COMMERCIAL QUALITY, MIN YIELD 32 KSI W/ G-40 GALVANIZATION WITH BAKED ON POLYESTER FINISH.
 - DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 5" "R" TRUSS PER SECTION.
 - DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN. USE (1) 5" "R" TRUSS PER SECTION.

MAX SIZE 16' x 8'	APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>August 24, 2000</u>	MAY 29 2000
DESIGN LOADS +45.0 PSF -54.0 PSF	BY <u>[Signature]</u>	
	PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-061406</u>	

REV	DESCRIPTION OF REVISIONS	DATE	BY
D	REMOVED HEADER AND SPRING PAD BOLTS.	05/15/00	RWS
C	MIN. YIELD CHANGED FROM 26 KSI TO 32 KSI.	07/23/97	AAE
B	QTY OF (4) LAGS ATTACHING R TRUSS TO END STILE (pg 2)	10/24/96	AAE
A	NEW DRAWING	10/07/96	AAE

Amarr
GARAGE DOORS

5931 GRASSY CREEK BLVD. WINSTON-SALEM, N.C. 27105

MODEL #950 "HERITAGE III"
Short Panel and Flush

SIZE	DRAWN BY	AAE	DATE	10/07/96	DRAWING NUMBER
B	CHECKED BY	RJZ	DATE	10/07/96	SFC-590-001

ENGINEER: THOMAS L. SHELMEYER P.E. LIC No. 0048579 SHEET 1 OF 2

24 GA. MIN EXTERIOR SKIN
(MIN YIELD 32 KSI) W/ G-40 GALV.
BAKED-ON POLYESTER TOP COAT.

2"

13 GA. GALV. COM. TOP ROLLER BRACKET
ATTACHED W/ (2) 5/16" x 1-5/8"
LAG BOLTS PER BRACKET AND
(2) 1/4" x 3/4" HEX HEAD SCREWS.
ADJUSTABLE SLIDE BRACKET ATTACHED
W/ (1) 1/4" x 1/2" BOLT & NUT PER BRACKET.

5" x 6" x 18 GA.
GALV. STEEL "R" TRUSS
ATTACHED W/ (4) 5/16" x 1-5/8"
LAG BOLTS AT EA. END STILE AND
W/ (2) 1/4" x 3/4" HEX HEAD
SCREWS AT EA. INTERMEDIATE STILE

2" x 4" WOOD BLOCK
BEHIND ALL END STILES

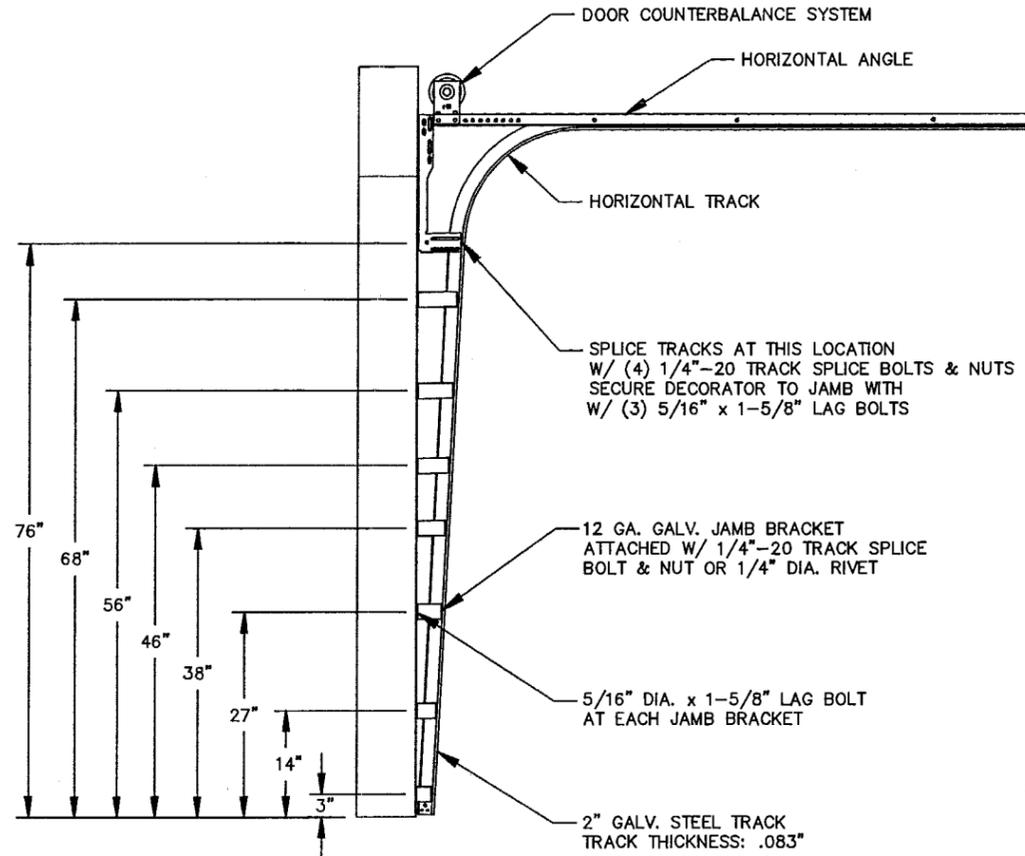
14 GA. GALV. STEEL
ROLLER HINGE ATTACHED
W/ (4) 1/4" x 3/4"
HEX HEAD SCREWS AND
W/ (2) 5/16" x 1-5/8"
LAG BOLTS PER ROLLER HINGE

13 GA. GALV. STEEL
BOTTOM BRACKET
ATTACHED W/ (2) 1/4" x 3/4"
HEX HEAD SCREWS AND
W/ (1) 5/16" x 1-5/8"
LAG BOLT

CONT. ALUM. EXTRUSION
W/ CONT. VINYL ASTRAGAL

SECTION A-A (SIDE VIEW)

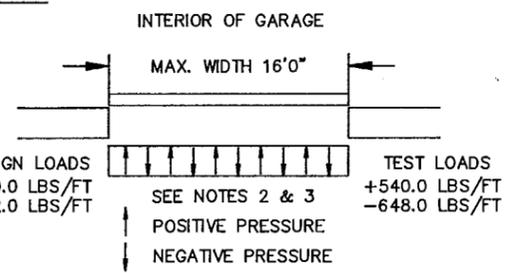
SCALE 2" = 1'



7'0" HIGH DOORS REQUIRE 7 JAMB BRACKETS
8'0" HIGH DOORS REQUIRE 8 JAMB BRACKETS
(8'0" DOORS HAVE ADDITIONAL JAMB BRACKET AT 78")

TRACK CONFIGURATION

SCALE 1/2" = 1'



- NOTES:
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
 2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +360.0 LBS/FT & -432.0 LBS/FT
 3. EACH VERTICAL JAMBS RECEIVES MAXIMUM TEST LOADS OF: +540.0 LBS/FT & -648.0 LBS/FT
 4. ALL FASTENERS USED TO SECURE JAMBS MAY BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
 5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

NOTE:
SEE WOOD JAMB
ATTACHMENT TO
STRUCTURE.

JAMB AND HEADER CONFIGURATION

SCALE 1/8" = 1'

WOOD JAMB ATTACHMENT TO STRUCTURE

FOR ATTACHMENT OF JAMBS TO CAST IN PLACE CONCRETE, USE 3/8" DIAMETER KWIK BOLTS BY HILTI. INSTALL BOLTS A MAXIMUM OF 6" FROM EACH END AND AT 24" ON CENTER. ANCHORS MUST HAVE A MINIMUM OF 2-1/2" EMBEDMENT INTO CONCRETE. ANCHORS BY OTHER MANUFACTURES ARE ACCEPTABLE PROVIDED MINIMUM PULLOUT CAPACITY IS 4500 POUNDS ULTIMATE (1200 POUNDS ALLOWABLE) IN $f'_c = 2000$ PSI CONCRETE.

FOR ATTACHMENT TO HOLLOW BLOCK, USE 1/4" DIAMETER TAPCON ANCHORS BY ITW BUILDEX. INSTALL A PAIR OF ANCHORS A MAXIMUM OF 6" FROM EACH END, AND A PAIR AT 12" ON CENTER. THE PAIR OF ANCHORS SHOULD BE APPROXIMATELY 3" CENTER TO CENTER. ANCHORS MUST HAVE A MINIMUM OF 1-1/4" EMBEDMENT INTO HOLLOW BLOCK. ANCHORS BY OTHER MANUFACTURES ARE ACCEPTABLE PROVIDED MINIMUM PULLOUT CAPACITY IS 615 POUNDS ULTIMATE (154 POUNDS ALLOWABLE).

FOR ATTACHMENT TO WOOD, USE 5/16" DIAMETER LAG BOLTS. INSTALL BOLTS A MAXIMUM OF 6" FROM EACH END, AND AT 12" ON CENTER. ANCHORS MUST HAVE A MINIMUM OF 1-1/2" EMBEDMENT INTO WOOD STRUCTURE.

ALL BOLTS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURE'S INSTRUCTIONS.

MAX SIZE 16' x 8'	APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>August 24, 2000</u> BY <u>[Signature]</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-0614.06</u>
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MAY 29 2000

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ENGINEER: THOMAS L. SHELMDINE P.E LIC No. 0048579					SHEET 2 OF 2