



**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)

**Amarr Garage Doors.
165 Carriage Court
Winston Salem NC 27105**

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: Sectional Garage Door 16'- 0" Wide.

APPROVAL DOCUMENT: Drawing No. IRC-9516-169-26, titled "Model 950 Heritage w/DuraSafe Short Panel, Long Panel and Flush Panel", drawn on 03/12/03 and checked on 03/14/03 with no revisions, sheets 1 and 2, prepared by Amarr Garage Doors, signed and sealed by T.L. Shelmerdine, P.E., 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.

LIMITATION: 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 specimen were selected from coils at the manufacturer production facilities. And a notarized statement from the manufacturer that only coils with yield strength of 32000 psi or more shall be used to make door panels for Dade County under this Notice of Acceptance

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 1 as well as the approval document mentioned above.

The submitted documentation was reviewed by **Candida R. Font PE.**

[Handwritten signature]
09/04/03



**NOA No 03-0502.04
Expiration Date: September 04, 2008
Approval Date: September 04, 2003
Page 1**

Amarr Garage Doors.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA)

A. DRAWINGS

1. *Drawing prepared by Amarr Garage Door, titled "Model 950 Heritage w/DuraSafe Short Panel, Long Panel and Flush Panel", Drawing No. IRC-9516-169-26, drawn on 03/12/03, checked on 03/14/03 with no revision on, sheets 1 and 2, signed and sealed by T. L. Shelmerdine, PE.*

B. TESTS

1. *Test report of uniform static air pressure per PA 202, large missile impact test per PA 201 and cyclic wind pressure test per PA 203 on 16' x 7' Model 950D Heritage with DuraSafe, prepared by American Test Lab Inc, report No. # 0311.01-03, dated 04/15/03, signed and sealed by W. F. Wescott, PE.*

C. CALCULATIONS

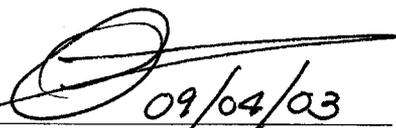
1. *Wood Jamb Attachment to Structure Calculations prepared by Structural Solutions PA dated 04/23/03; pages 1, signed and sealed by T. L. Shelmerdine, PE.*

D. MATERIAL CERTIFICATIONS

1. *Tensile test report No. 3DM-297, prepared by Q. C. Metallurgical Inc., dated 04/09/03, signed and sealed by F. E. Grate Jr, PE.*
2. *Salt Spray Exposure test report No. AMR-1, prepared by Subtropical Testing Service dated 04/06/97, signed and sealed by M. Mosbat, PE.*

E. STATEMENTS.

1. *Letter of No Interest prepared by Structural Solutions PA on 04/22/03, signed and sealed by T.L. Shelmerdine PE and notarized by A.A. Waranch on 04/23/03.*
2. *Letter of code compliance prepared by Structural Solutions PA. on 04/30/03 signed and sealed by T. L. Shelmerdine, PE.*


09/04/03

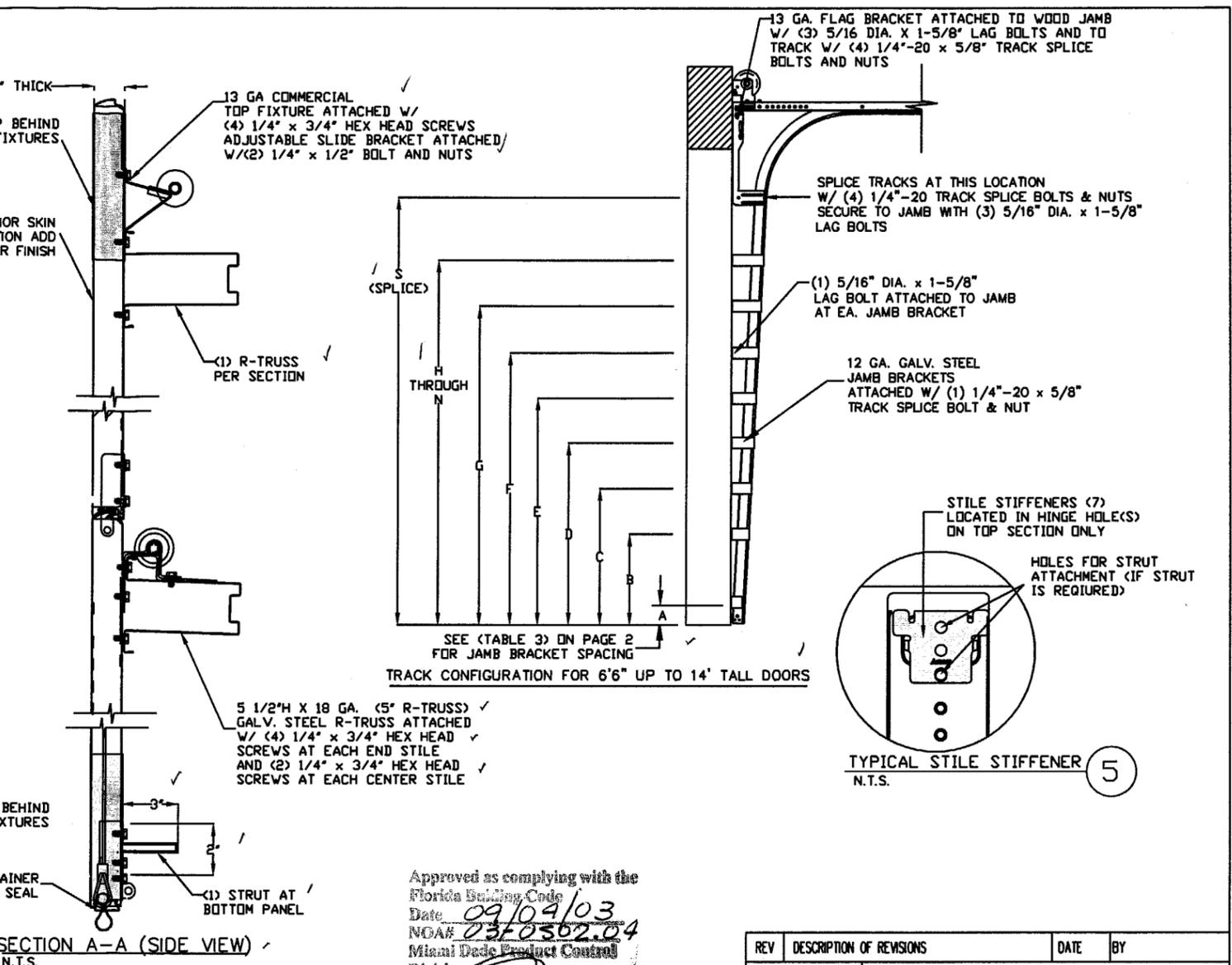
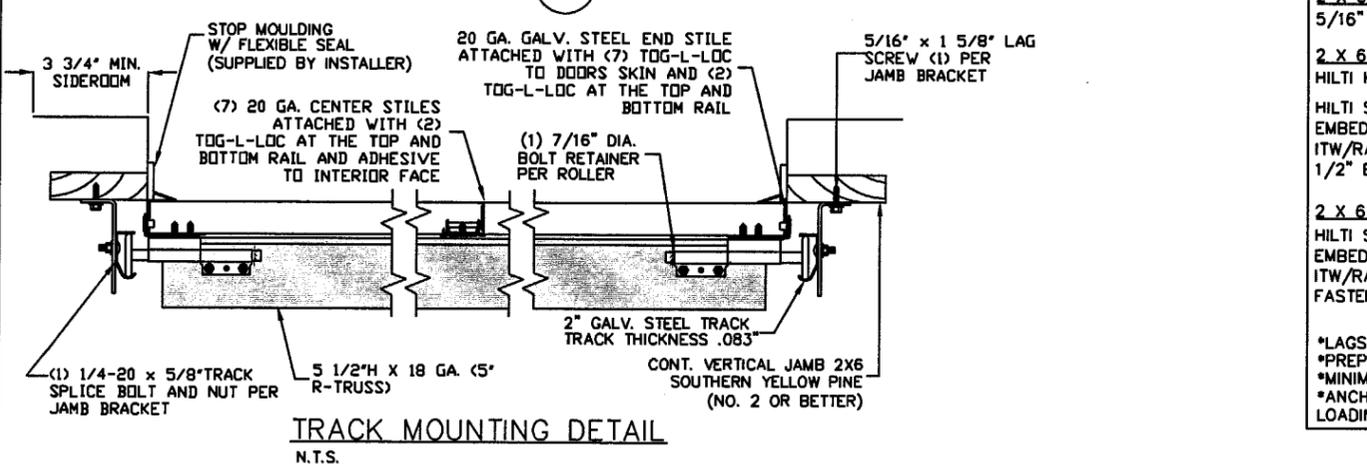
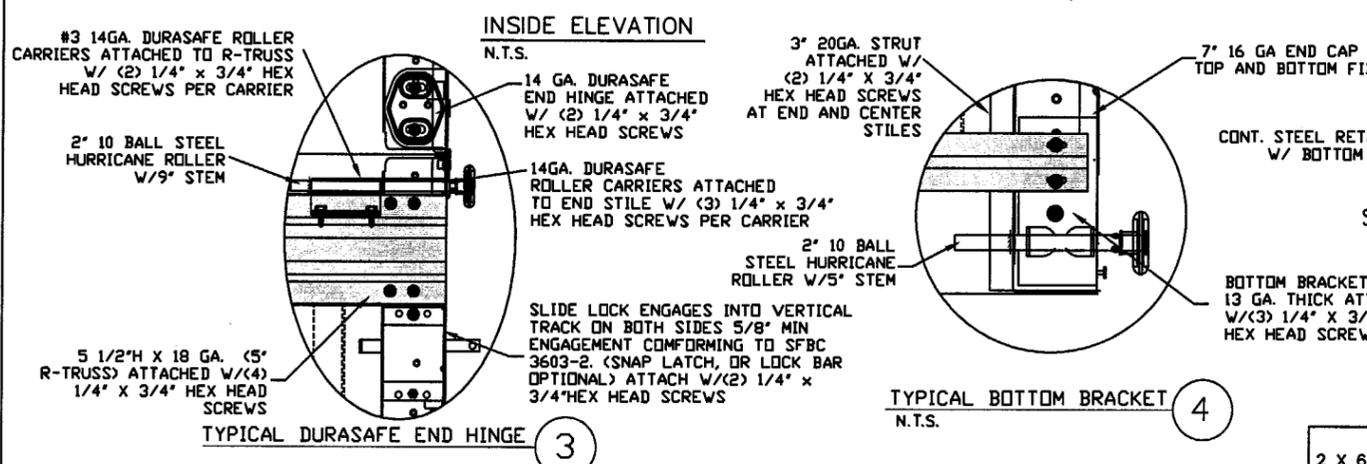
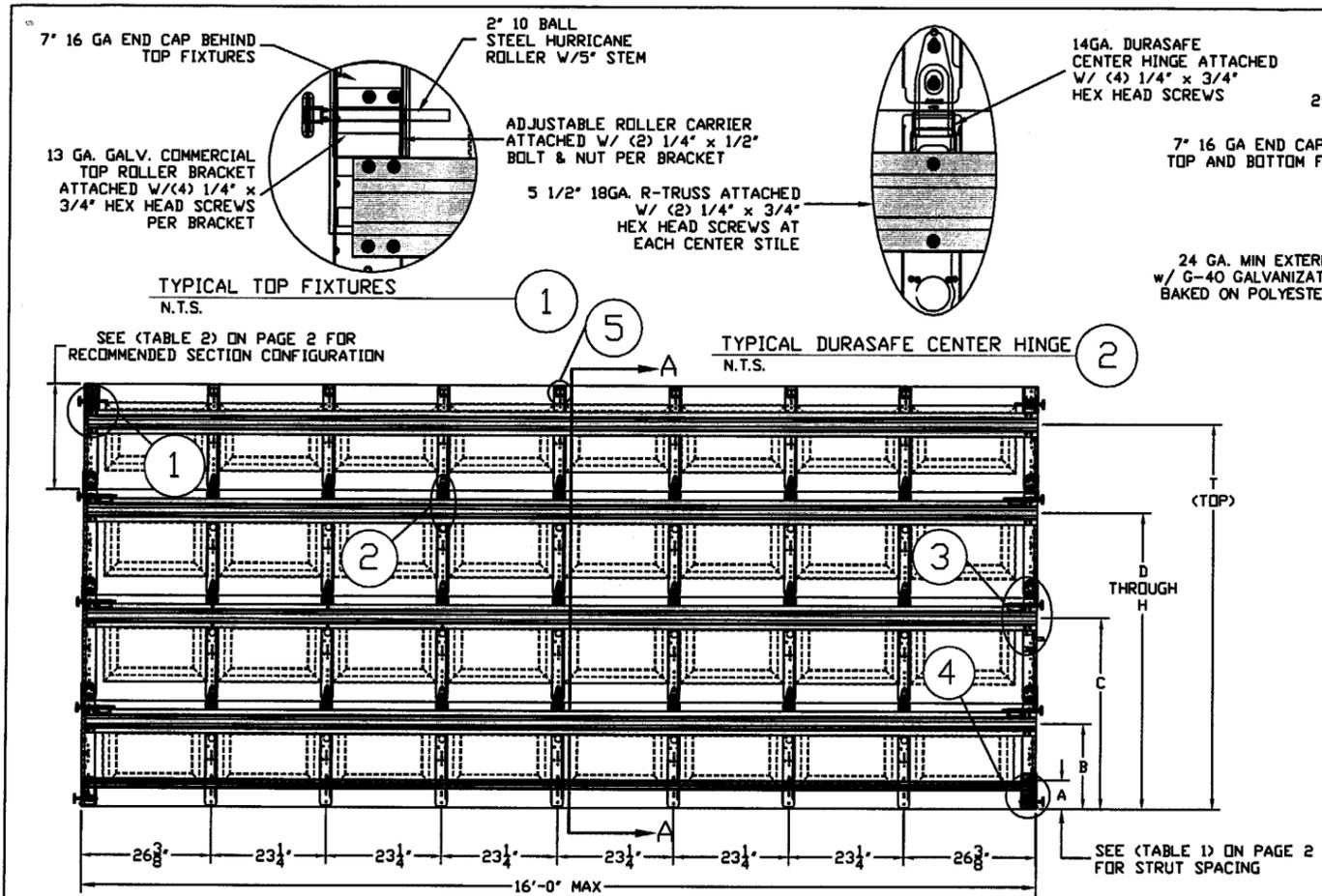
Candido F. Font, PE.

Senior Product Control Division

NOA No 03-0502.04

Expiration Date: September 04, 2008

Approval Date: September 04, 2003



WOOD JAMB ATTACHMENT TO STRUCTURE

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" x 3" LAG SCREWS STARTING 6" FROM ENDS THEN 12" O.C. (1 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" x 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" x 2-3/4" STARTING 6" FROM ENDS THEN 16" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" x 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" x 2-3/4" STARTING 6" FROM ENDS THEN 12" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET TAPCON 1/4" x 2-3/4" STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 12" O.C. (1 1/4" EMBEDMENT)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS
*MINIMUM ANCHOR EDGE DISTANCE 2-3/4"
*ANCHOR ALLOWABLE LOAD HAS BEEN INCREASED BY 33% DUE TO SHORT TIME DURATION LOADING

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 16' x 14'		
	DESIGN LOADS +45.8 PSF -49.3 PSF		
	LARGE MISSILE IMPACT RESISTANCE		

Amarr GARAGE DOORS
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

MODEL 950 HERITAGE w/DuraSafe Short Panel, Long Panel, and Flush Panel

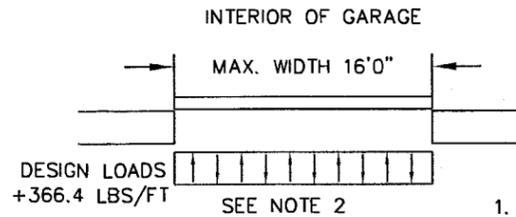
SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	DLJ	03/12/03	IRC-9516-169-26
	AE	03/14/03	

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

AUG 14 2003

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)								TOP
	A	B	C	D	E	F	G	H	
6' 6"	4 1/2"	17 1/2"	35 1/2"	53 1/2"					70 1/2"
7'	4 1/2"	17 1/2"	38 1/2"	59 1/2"					76 1/2"
7' 6"	4 1/2"	14 1/2"	32 1/2"	50 1/2"	68 1/2"				82 1/2"
8'	4 1/2"	17 1/2"	35 1/2"	53 1/2"	71 1/2"				88 1/2"
8' 6"	4 1/2"	17 1/2"	38 1/2"	59 1/2"	77 1/2"				94 1/2"
9'	4 1/2"	14 1/2"	32 1/2"	50 1/2"	68 1/2"	86 1/2"			100 1/2"
9' 6"	4 1/2"	17 1/2"	35 1/2"	53 1/2"	71 1/2"	89 1/2"			106 1/2"
10'	4 1/2"	17 1/2"	38 1/2"	59 1/2"	77 1/2"	95 1/2"			112 1/2"
10' 6"	4 1/2"	17 1/2"	38 1/2"	59 1/2"	80 1/2"	101 1/2"			118 1/2"
11'	4 1/2"	17 1/2"	35 1/2"	53 1/2"	71 1/2"	89 1/2"	107 1/2"		124 1/2"
11' 6"	4 1/2"	17 1/2"	38 1/2"	59 1/2"	77 1/2"	95 1/2"	113 1/2"		130 1/2"
12'	4 1/2"	17 1/2"	38 1/2"	59 1/2"	80 1/2"	101 1/2"	119 1/2"		136 1/2"
12' 6"	4 1/2"	17 1/2"	35 1/2"	53 1/2"	71 1/2"	89 1/2"	107 1/2"	125 1/2"	142 1/2"
13'	4 1/2"	17 1/2"	38 1/2"	59 1/2"	77 1/2"	95 1/2"	113 1/2"	131 1/2"	148 1/2"
13' 6"	4 1/2"	17 1/2"	38 1/2"	59 1/2"	80 1/2"	101 1/2"	119 1/2"	137 1/2"	154 1/2"
14'	4 1/2"	17 1/2"	38 1/2"	59 1/2"	80 1/2"	101 1/2"	122 1/2"	143 1/2"	160 1/2"



SPECIFICATIONS AND 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: +366.4 LBS/FT & -394.4 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.024) MIN. EXTERIOR SKIN ROLLED FORMED, G-40 GALVANIZATION W/ BAKED ON POLYESTER FINISH
5. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 5" R-TRUSS PER SECTION
6. DOORS OVER (4) SECTIONS REFER TO TABLES 1 AND 3 ON PAGE 2
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
8. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN ASTM E330-90, ASCE 7-98, AND FLA.. BUILDING CODE PROTOCOLS TAS 201, 202, 203 WIND LOAD DESIGN CRITERIA.
9. 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 LAB SELECTED AND PAID BY THE MANUFACTURER. EVERY 3 MONTHS, 4 TIMES A YEAR, THE MANUFACTURER SHALL MAIL TO THIS OFFICE: A COPY OF THE TEST 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.

Approved as complying with the Florida Building Code
 Date 09/04/03
 NOA# 03-050204
 Miami Dade Product Control Division
 By [Signature]

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N		
6' 6"	3"	14"	27"	38"	46"	56"	64"									70"
7'	3"	14"	27"	38"	46"	56"	68"									76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"								82"
8'	3"	14"	27"	38"	46"	56"	68"	78"								88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"							94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"							100"
9' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"						106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"						112"
10' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"					118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"					124"
11' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"				130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"				136"
12' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"			142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"			148"
13' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"		154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"		160"

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 16' x 14'		
	DESIGN LOADS +45.8 PSF -49.3 PSF		
	LARGE MISSILE IMPACT RESISTANCE		
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			
MODEL 950 HERITAGE w/DuraSafe Short Panel, Long Panel, and Flush Panel			
SIZE	DRAWN BY DLJ	DATE 03/12/03	DRAWING NUMBER
B	CHECKED BY AAE	DATE 03/14/03	IRC-9516-169-26
ENGINEER: THOMAS L. SHILMERDINE P.E. LIC. No. 0048579			SHEET 2 OF 2

AUG 14 2003