MIAMI-DADE

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)

Collier a Division of System Design & Mfg. Inc.
48 Dalkeith Drive
Brantford, Ontario Canada N3P1N6

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: Insulated Overhead Sectional Garage Door 16' Wide.

APPROVAL DOCUMENT: Drawing No. D-CFL3WLP-168-IN, titled "Collier/Fortress Level 3 Wind Load Hardware Package" ", sheets 1 through 2, preparedly Collier, signed and sealed by F. A. Fore, P.E., dated 5/01/02 with no revisions, 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.

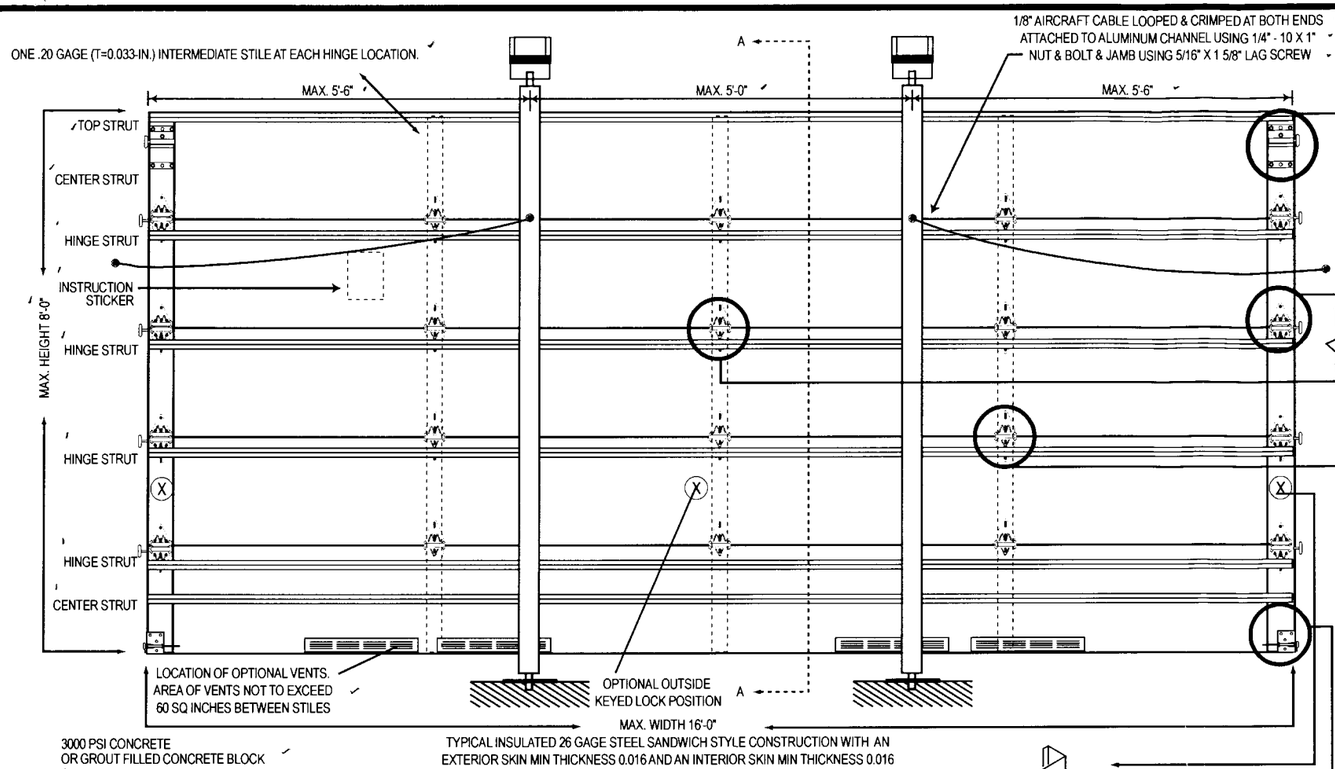
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

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.

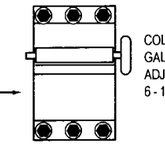
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Candido F. Font, PE.**

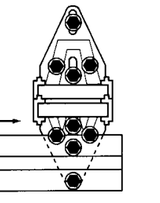
PRODUCT CONTROL ACCEPTED



TYPICAL INSULATED 26 GAGE STEEL SANDWICH STYLE CONSTRUCTION WITH AN EXTERIOR SKIN MIN THICKNESS 0.016 AND AN INTERIOR SKIN MIN THICKNESS 0.016 MIN GALV COAT G90 AS PER ASTM E-8 (YEILD KSI 37.1) WITH A POLYSTYRENE CORE SANDWICHED BETWEEN TWO WOOD GRAIN TEXTURE SKINS)

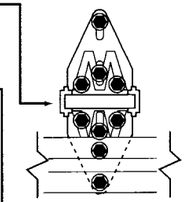


COLLIER RESIDENTIAL (T=0.060-IN.) GALV. STEEL EMBOSSED ADJUSTABLE TOP ROLLER BRACKET 6 - 1/4" X 3/4" SELF TAPPING SCREWS

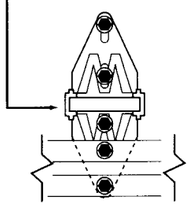


9 - 1/4" X 3/4" SELF TAPPING SCREWS INTO A COLLIER WIDE BODY EMBOSSED 14 GAGE (T=0.071-IN.) END HINGE

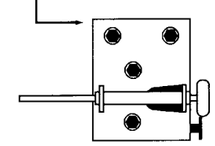
NOTE: 2-1/4" X DOOR WIDTH - 19 GAGE (T=0.044-IN.) STRUT TO BE FASTENED ON TOP OF BOTTOM HALF OF HINGES AS SHOWN AT EACH END STILE WITH 2 - 1/4" X 3/4" SELF TAPPING SCREWS



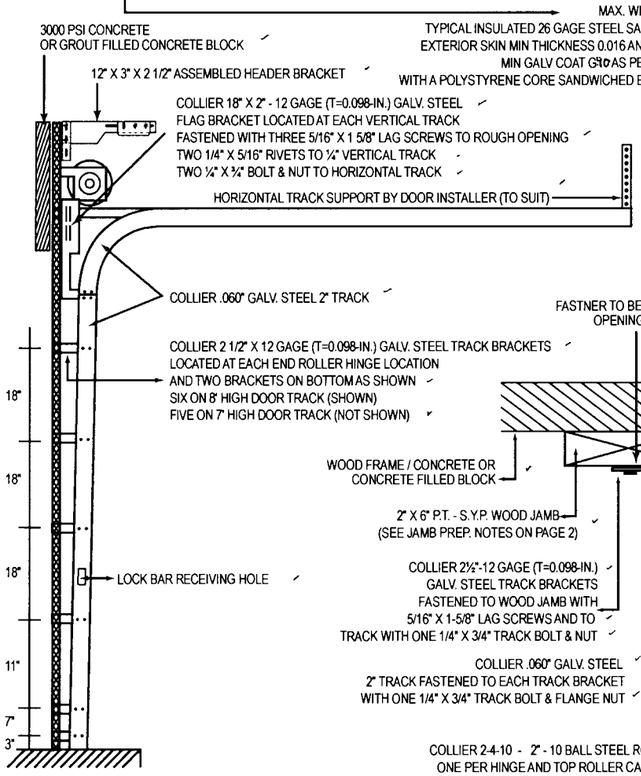
9 - 1/4" X 3/4" SELF TAPPING SCREWS INTO A COLLIER WIDE BODY EMBOSSED 18 GAGE (T=0.048-IN.) INTERMEDIATE HINGE

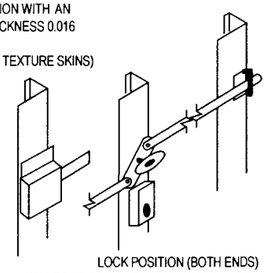


5 - 1/4" X 3/4" SELF TAPPING SCREWS INTO A COLLIER WIDE BODY EMBOSSED 18 GAGE (T=0.048-IN.) INTERMEDIATE HINGE



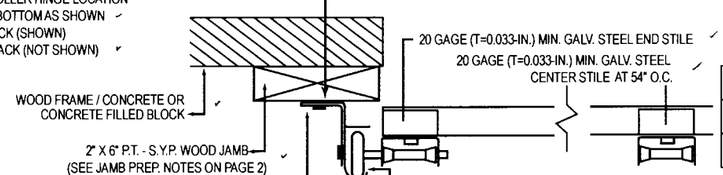
COLLIER RESIDENTIAL (T=0.083-IN.) GALV. STEEL BOTTOM BRACKET FASTENED WITH FOUR 1/4" X 3/4" SELF TAPPING SCREWS





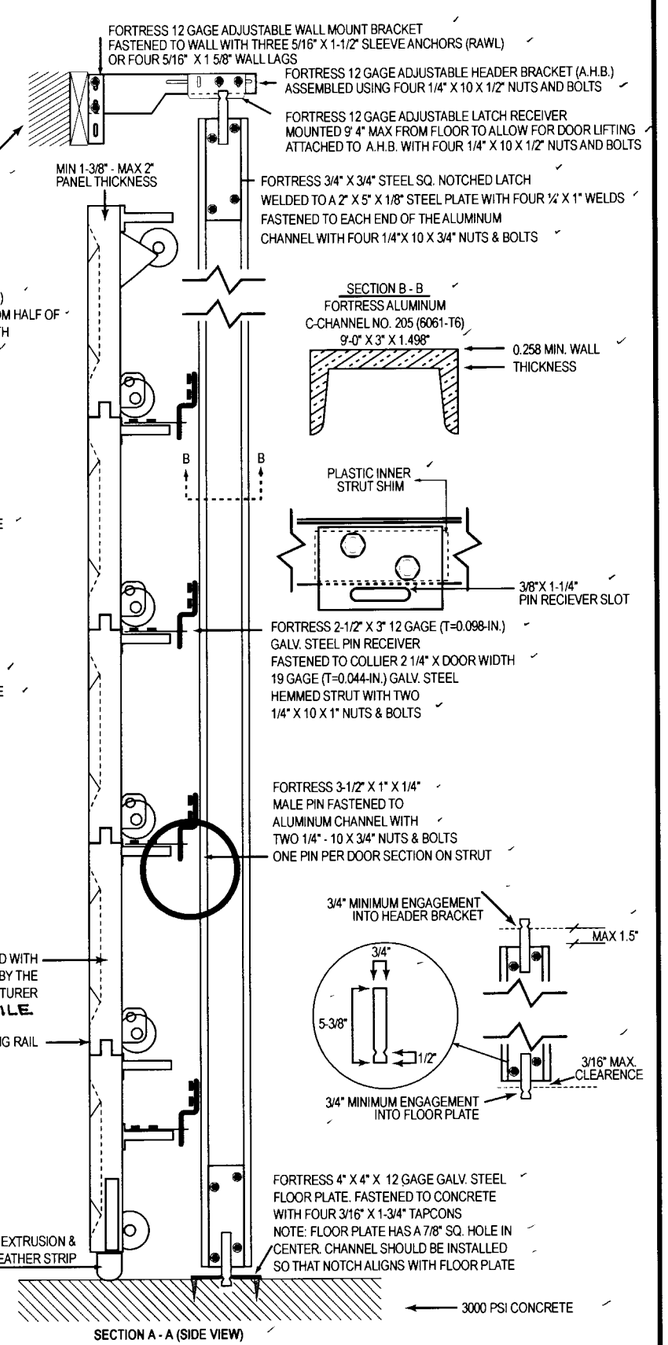
LOCK POSITION (BOTH ENDS)
TWO POINT LOCKING CONFORMS TO SFBC 3603.2 REGARDING GARAGE DOORS WITH 5/8" MIN. ENGAGEMENT. DOOR TESTED FOR FORCED ENTRY WITH BOTH OUTSIDE KEYED LOCK & INSIDE SLIDE BOLT LOCK OPTIONS.

DOOR HEIGHT	21" SEC	19" SEC	18" SEC	TRACK BRACKETS
6'-0"	-	-	4	5
6'-6"	2	-	2	5
7'-0"	4	-	-	5
7'-6"	-	-	5	6
8'-0"	2	-	3	6
8'-0"	-	5	-	6



Sizes	# of Posts	Design Load* (+)	Design Load* (-)
MIN 10' - 0" X 6' - 0"	2	52	52
MAX 16' - 0" X 8' - 0"	2	52	52

*All posts must be engaged to achieve design wind load



SECTION A - A (SIDE VIEW)

DESIGN LOAD +52 -52 PSF

5/8/02

Frank A. Fore, P.E.
042561

Approved as complying with the Florida Building Code
Date 9/26/02
NOA# 02-0207.03
Miami Dade County Central Division
By

COLLIER
A DIVISION OF SYSTEM DESIGN & MFG. INC.

FORTRESS STORM SECURITY BRACE™
U.S. PATENT NO. 5732758

Collier/Fortress Level 3 Wind Load Hardware Package

48 Dalkeith Drive
Brantford, Ontario N3P 1N6
Phone: 519-759-8090
Fax: 519-759-4912

4200 Westroads Drive
West Palm Beach, FL 33407
Phone: 561-863-0650
Fax: 561-881-5635

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Drawing Number
D-CFL3WLP-168-IN

5.1.02

Sheet No. 1 of 2

2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

A) APPROXIMATELY SEVENTY FIVE PERCENT OF THE WIND LOAD (**4992 LBS**) FROM THE DOOR IS TRANSFERRED TO THE FORTRESS ALUMINUM C-CHANNEL(S).
B) ONE-HALF OF THE COMBINED FORTRESS ALUMINUM C-CHANNEL(S) LOAD IS TRANSFERRED TO THE HEADER BRACKET(S) AND THEN FROM THE HEADER BRACKET(S) TO THE FASTENERS (SEE PAGE 1 OF THIS DRAWING)
C) THE REMAINING ONE-HALF OF THE FORTRESS ALUMINUM C-CHANNEL(S) LOAD IS TRANSFERRED TO THE FLOOR THROUGH THE FLOOR PLATE(S) AND THEN INTO THE FASTENER(S).
D) THE REMAINING TWENTY FIVE PERCENT OF THE WIND LOAD (**1664 LBS**) FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK AND FLAG BRACKETS AND THEN FROM THE TRACK TO THE 2X6 PRESSURE TREATED VERTICAL JAMBS (GRADE #2 OR BETTER YELLOW PINE).
E) THE FORTRESS HEADER BRACKET(S) SEES A MAXIMUM DESIGN LOAD OF **+1200 LB & -1284 LB** (**624 LB**. PER SLEEVE ANCHOR OR **312 LB.** PER WALL LAGS)
F) EACH FLOOR PLATE(S) SEES A MAXIMUM DESIGN LOAD OF **+1200 LB & -1284 LB** (**312 LB.** PER TAPCON)
G) EACH VERTICAL JAMB/TRACK SEES A MAXIMUM DESIGN LOAD OF **+800 LB & -832 LB** (**167 LB** PER WALL LAG)
H) ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

WOOD FRAME BUILDINGS

A) STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED GRADE #2 OR BETTER WOOD STUD OF A STRESS GRADE NOT LESS THAN **1200 PSI** NOMINAL EXTREME FIBER STRESS BENDING (Fb).
B) STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS AND IN ACCORDANCE WITH FBC SECTION 2308.1.

BLOCK WALL OR CONCRETE

A) 2x6 WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN.
B) BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING INTO FOOTING AND INTO TIE BEAMS.
C) ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN.
D) BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY BUILDING PROFESSIONAL OF RECORD AND IN ACCORDANCE WITH FBC SECTION 2121.2.

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED
WOOD FRAME (SYP)	½" x 3" EMBED LAG SCREW (ASTM A307, GRADE A)	16"	YES
BLOCK WALL OR CONCRETE	¼" x 1-¾" MIN. EMBED ITW TAPCON CONCRETE ANCHOR	10"	YES
BLOCK WALL OR CONCRETE	3/8" x 1-¾" MIN. EMBED RAWL-STUD EXPANSION ANCHOR (7400 SERIES)	19"	NO
BLOCK WALL OR CONCRETE	3/8" x 1-¾" MIN. EMBED RAWL LOK/BOLT ANCHOR BOLT (5000 SERIES)	16"	NO

*MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 3", EXCLUDING STUCCO THICKNESS.
COLLIER/FORTRESS DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.
WHEN USING RAWL-STUD; THE CONCRETE BLOCK MUST BE GROUT FILLED WITH 2000 PSI GROUT

JAMB PREPARATION NOTE

A) EACH TRACK AND FLAG BRACKET SHALL BE FASTENED TO PRESSURE TREATED 2x6 YELLOW PINE WOOD JAMBS WITH 5/16"x1-5/8" LAG SCREWS (9) LAG SCREWS PER SIDE UP TO 7'0" HIGH AND (10) LAG SCREWS PER SIDE UP TO 8'0" HIGH.
B) THE METHOD OF ATTACHMENT TO THE SUPPORTING STRUCTURE OF THE PRESSURE TREATED 2x6 WOOD JAMBS SHALL BE APPROVED BY THE PROFESSIONAL OF RECORD FOR THE STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.
C) PREPARATION OF JAMBS BY OTHERS.
D) ALL MOUNTING OF TRACK, ANGLES, HORIZONTAL TRACK SUPPORTS, AND ALL OTHER DOOR HARDWARE TO BE INSTALLED PER COLLIER/FORTRESS INSTALLATION INSTRUCTIONS SUPPLIED WITH DOOR SYSTEM UNLESS OTHERWISE NOTED.

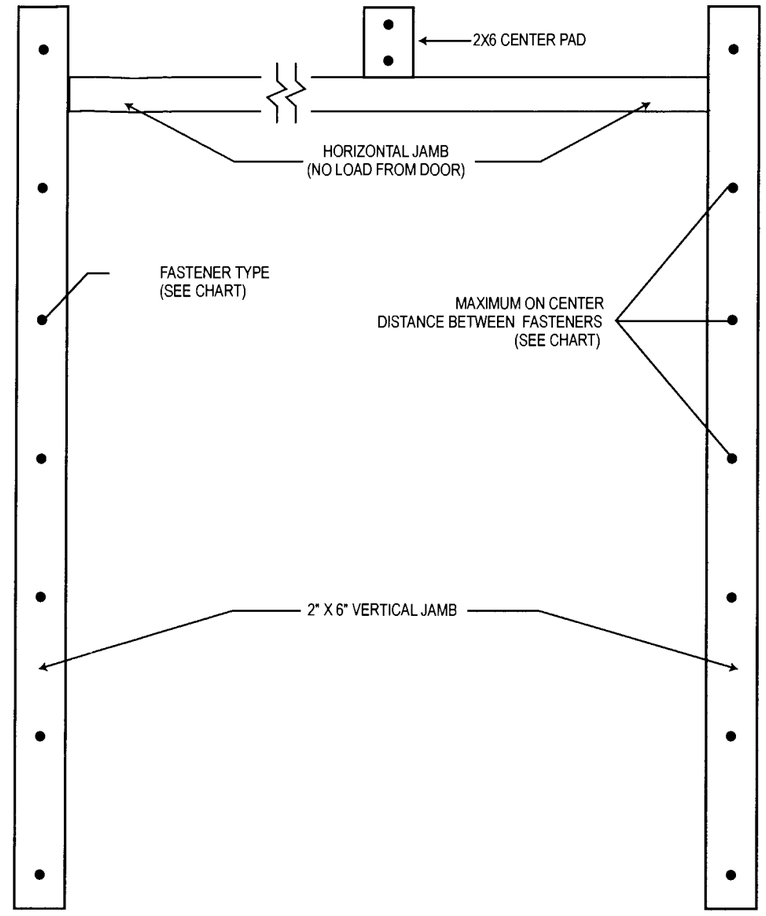
FORTRESS ALUMINUM C-CHANNEL(S) STORAGE

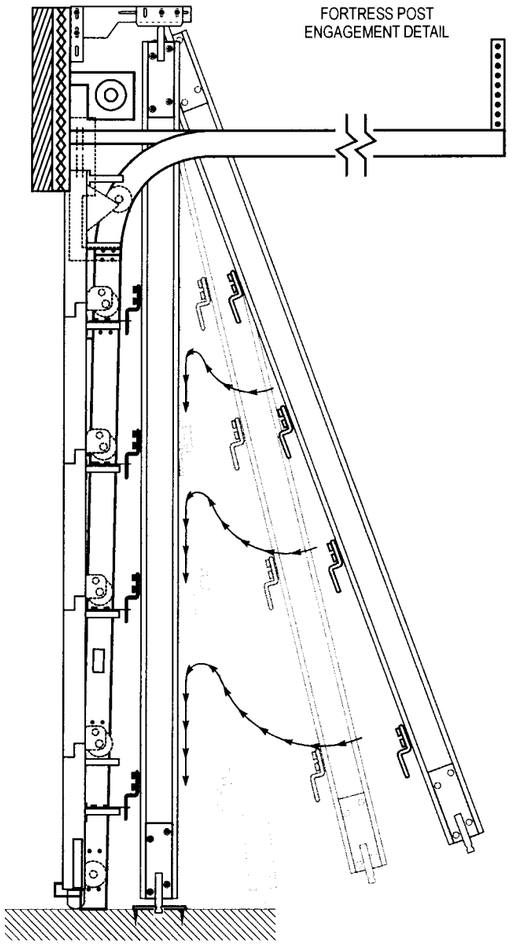
A) ALUMINUM FORTRESS ALUMINUM C-CHANNEL(S) SHALL BE STORED IN A CONSPICUOUS PLACE WITH EASY AND IMMEDIATE ACCESS SO THEY CAN BE REACHED AND INSTALLED ANY TIME HURRICANE WINDS ARE PRESENT.
B) THE DOOR WITHOUT THE FORTRESS ALUMINUM C-CHANNEL(S) DOES NOT PROVIDE PROTECTION AGAINST HURRICANE WINDS.
C) THE FORTRESS ALUMINUM C-CHANNEL(S) SHALL BE INSTALLED TO ACHIEVE DESIGN WIND LOADS.

GENERAL NOTES

A) MINIMUM EMBEDMENT OF CONCRETE ANCHORS - 1¾"
B) MINIMUM EMBEDMENT OF LAG SCREWS INTO WOOD - 1½"

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 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'S PRODUCTION FACILITIES. AND A NOTARIZED STATEMENT FROM THE MANUFACTURER THAT ONLY COIL WITH YIELD STRENGTH OF 37,100 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.





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Miami Dade Product Control
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By

DESIGN LOAD +52 -52 PSF

COLLIER
A DIVISION OF SYSTEM DESIGN & MFG. INC.
FORTRESS STORM SECURITY SINCE
U.S. PATENT NO. 5732758

Collier/Fortress Level 3 Wind Load Hardware Package

48 Dalkeith Drive
Brantford, Ontario N3P 1N6
Phone: 519-759-8090
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