



MIAMI-DADE COUNTY
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) 372-6339

www.miamidade.gov/buldingcode

NOTICE OF ACCEPTANCE (NOA)

Clopay Building Products Company
8585 Duke Boulevard
Mason, OH 45040

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Steel Sectional Garage Door up to 12'-2" wide w/ Optional Impact Resistant Lites

APPROVAL DOCUMENT: Drawing No. 101705, titled "Commercial EPS Door, +52/-58 psf Design Load", sheet 1 of 1, dated 11/02, with last revision 03, dated 05/09, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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 39900 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 revises and renews NOA # 08-0821.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
8/3/09

NOA No 09-0608.17
Expiration Date: September 14, 2013
Approval Date: August 26, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **101705**, titled "Commercial EPS Door, +52/-58 psf Design Load", sheet 1 of 1, dated 11/02, with last revision 03, dated 05/09, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E.

B. TESTS

1. Test reports on
 - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
 - 5) Tensile Test per ASTM E8

Along with marked-up drawings and installation diagram of Clopay 12'-2"x 8', 24 ga. steel garage door, Model 3200 with windows, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0107.01-09**, dated 02/02/09, signed and sealed by David W. Johnson, P.E.

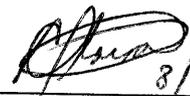
2. Test report on Salt Spray per ASTM B117 of painted G40 galvanized coated panels, prepared by Stork Materials Technology, Test Report No. **30160-04-63365**, dated 01/26/05, signed by John D. Lee, P.E.

C. CALCULATIONS

1. Anchoring calculations, prepared by Clopay Building Products Company, dated 05/26/09, signed and sealed by Scott Hamilton, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

 8/3/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 09-0608.17

Expiration Date: September 14, 2013

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E. MATERIAL CERTIFICATIONS

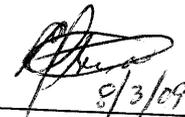
1. Test report on Accelerated Weathering Using Xenon Arc Light Apparatus per ASTM G155 of Lexan SLX2432T Clear Polycarbonate, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-06-A002**, dated 12/04/06, signed by Rafael E. Droz-Seda, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929, Rate of Burn per ASTM D635, and Smoke Density per ASTM D2843 of the Lexan Plastic, prepared by ETC Laboratories, Test Report No. **ETC-06-1024-17496.0**, dated 05/26/06, signed by Joseph L. Doldan, P.E.
3. Test report on Surface Burning Characteristics of Building Materials per ASTM E84 of Type I EPS, prepared by Intertek Testing Services, NA, Inc, Test Report No. **3094867SAT-001**, dated 04/13/06, signed by C. Anthony Penalzoa.
4. Test report on Standard Test Method for Determining Ignition Properties of Plastics per ASTM D1929 of Type I EPS, prepared by Intertek Testing Services, NA, Inc, Test Report No. **3094867SAT-002**, dated 04/04/06, signed by C. Anthony Penalzoa.

F. STATEMENTS

1. Statement letter of conformance issued by Clipay Building Products Company, dated 05/26/09, signed and sealed by Scott Hamilton, P.E.
2. Statement letter of no financial interest issued by Clipay Building Products Company, dated 05/26/09, signed and sealed by Scott Hamilton, P.E.

G. OTHER

1. Notice of Acceptance No. **08-0821.04**, issued to Clipay Building Products Company, approved on 11/27/08 and expiring on 09/14/09.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 09-0608.17
Expiration Date: September 14, 2013
Approval Date: August 26, 2009

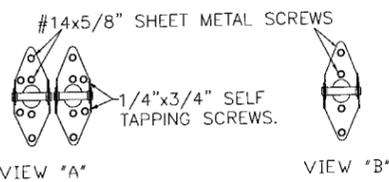
UP TO 12'-2" WIDE X 18'-0" HIGH (MAX. SIZE)

PAGE 1 OF 1

REVISIONS

REV. NO.	ZONE	DATE	ECN NO.	APPVD.	DESCRIPTION
02	--	10/07/08	--	--	ADDED FBC COMPLIANCE NOTE TO COMPLY WITH M-D REQUEST.
03	-	05/2009	-	SH	ADDED IMPACT RESISTANT LITES; UPDATED JAMB ATTACHMENTS.

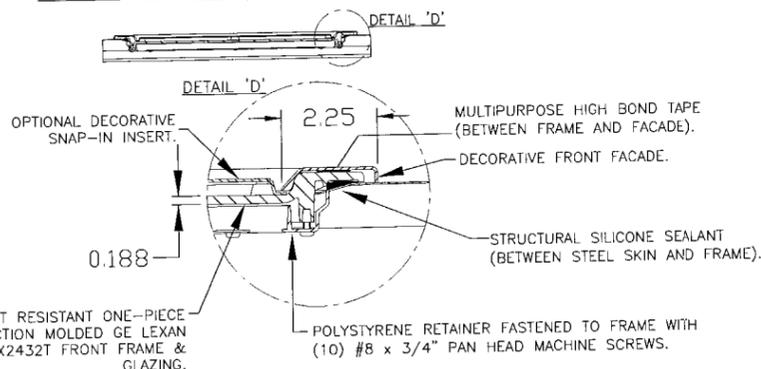
MODELS AVAILABLE
 CLOPAY MODEL 3200 (24 GA MIN EXT SKIN WITH MINOR RIBS).
 CLOPAY MODEL 3205 (24 GA MIN EXT SKIN FLUSH).
 CLOPAY MODEL 3220 (20 GA MIN EXT SKIN WITH MINOR RIBS).
 HOLMES MODEL 240 (24 GA MIN EXT SKIN WITH MINOR RIBS).



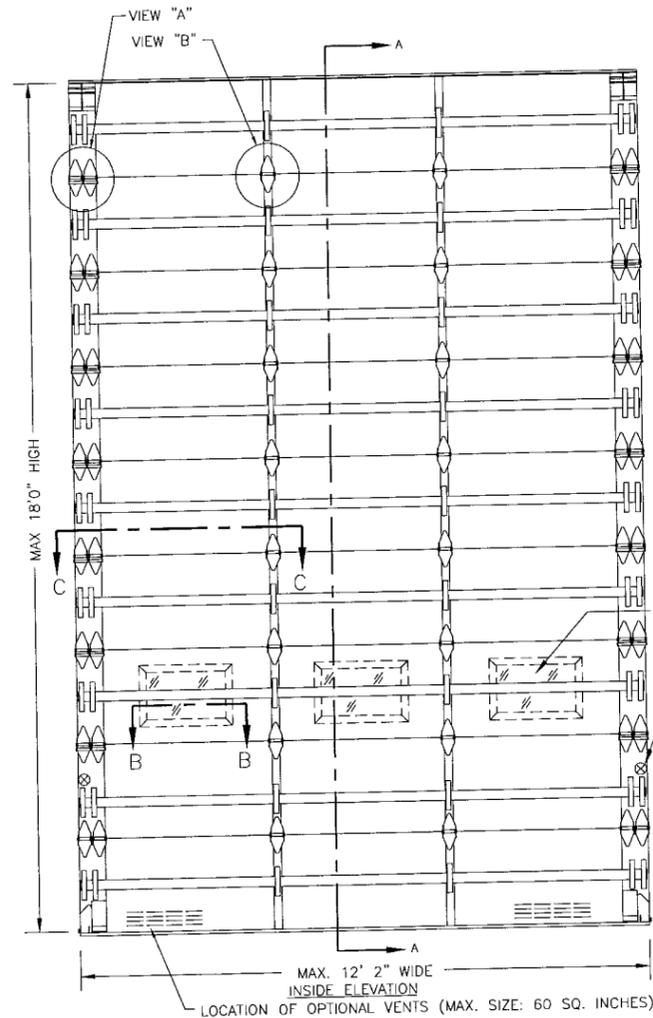
VIEW "A"
 14 GA. DOUBLE END HINGES ATTACH ON EACH HINGE AS SHOWN (4) #14 X 5/8" LG. SHT. MTL. SCREWS AND (2) 1/4"x3/4" SELF-TAPPING SCREWS.

VIEW "B"
 14 GA. INTERMEDIATE HINGE ATTACH ON EACH HINGE AS SHOWN WITH (4) 1/4" X 5/8" SHEET METAL SCREWS.

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



DOOR HEIGHT 'A'	NUMBER OF SECTIONS
8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9



***PRODUCT REVISED**
 as complying with the Florida Building Code
 Acceptance No. 09-0608-17
 Expiration Date 09/14/2013
 By: [Signature]
 Miami Dade Product Control Division

THIS DOOR MEETS THE REQUIREMENTS OF THE LARGE MISSILE IMPACT AND CYCLIC TESTING.

DESIGN LOADS: +52.0 P.S.F. & -58.0 P.S.F.

Unless Stated Otherwise TOLERANCES are
 .0 = ±.031
 .00 = ±.015
 .000 = ±.005
 .0000 = ±.001
 Degrees = ±1/2'

Clopay
 Building Products Company

8585 Duke Boulevard
 Mason, OH 45040 USA
 Tel. No. 513-770-4800
 Fax No. 513-770-4853

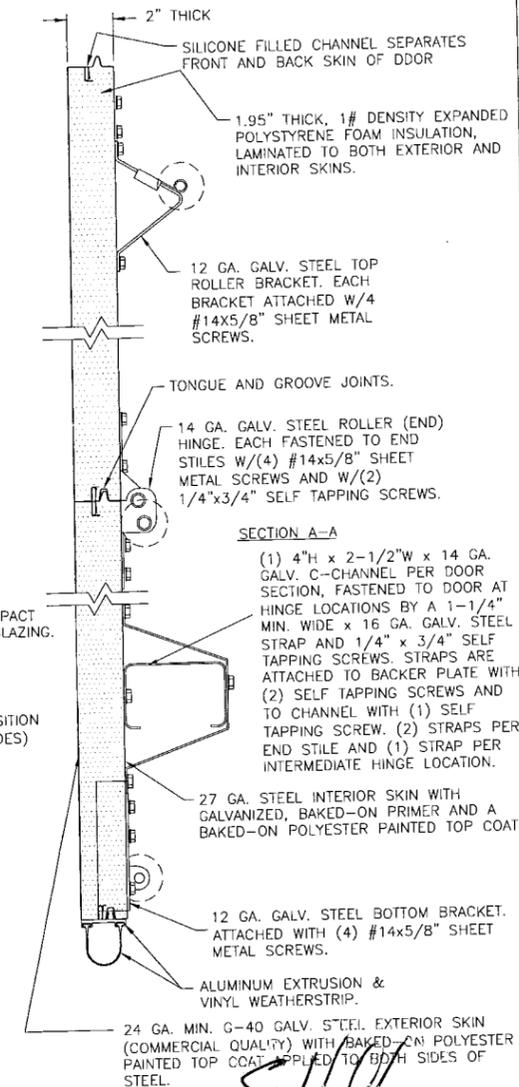
DESCRIPTION: COMMERCIAL EPS DOOR, +52/-58 PSF DESIGN LOAD

DRAWN BY: RJK DATE: 11/13/02 SCALE: NTS
 CHECKED BY: MWW DATE: 11/02 SHEET 1 OF 1 DWG. NO.: 101705 VER: MD

WINDLOAD RATING W8

ATTENTION: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS ARE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

SECTION A-A



SECTION A-A
 (1) 4"H x 2-1/2"W x 14 GA. GALV. C-CHANNEL PER DOOR SECTION, FASTENED TO DOOR AT HINGE LOCATIONS BY A 1-1/4" MIN. WIDE x 16 GA. GALV. STEEL STRAP AND 1/4" x 3/4" SELF TAPPING SCREWS. STRAPS ARE ATTACHED TO BACKER PLATE WITH (2) SELF TAPPING SCREWS AND TO CHANNEL WITH (1) SELF TAPPING SCREW. (2) STRAPS PER END STILE AND (1) STRAP PER INTERMEDIATE HINGE LOCATION.

27 GA. STEEL INTERIOR SKIN WITH GALVANIZED, BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT.

12 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH (4) #14x5/8" SHEET METAL SCREWS.
 ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.
 24 GA. MIN. G-40 GALV. STEEL EXTERIOR SKIN (COMMERCIAL QUALITY) WITH BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL.

SCOTT HAMILTON, P.E.
 FLORIDA P.E. #63286
 6/2/09

MANUFACTURING PRODUCT CODE: MPC: C-PAN-1E448

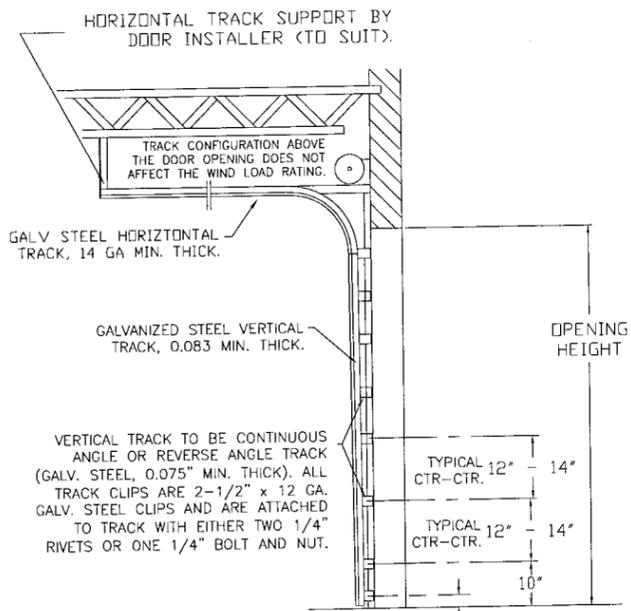
PART NO.: N/A

WINDLOAD RATING W8

DESCRIPTION: COMMERCIAL EPS DOOR, +52/-58 PSF DESIGN LOAD

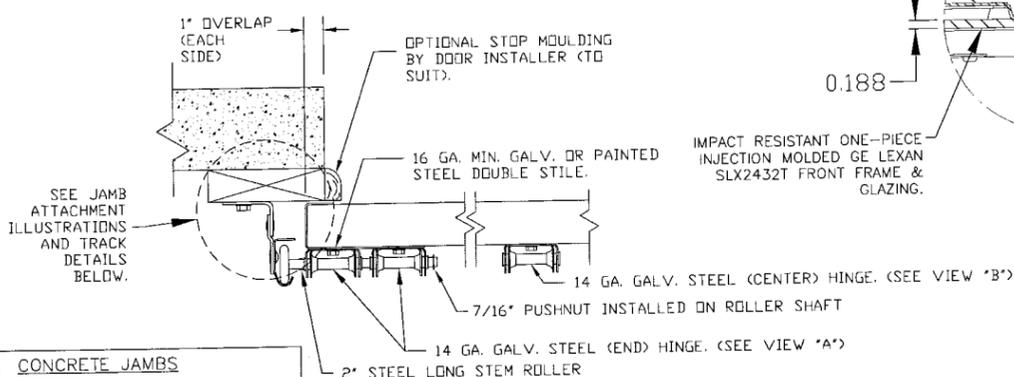
DRAWN BY: RJK DATE: 11/13/02 SCALE: NTS
 CHECKED BY: MWW DATE: 11/02 SHEET 1 OF 1 DWG. NO.: 101705 VER: MD

WINDLOAD RATING W8



STANDARD-LIFT TRACK DETAILS

SECTION C-C



CONCRETE JAMBS
 2,000 PSI CONCRETE.
 3/16"x1-3/4" MIN. EMBED TAPCON CONCRETE ANCHOR. 12" MAX. O.C. TO SECURE ANGLE TO CONCRETE. 1-7/8" MIN. EDGE DIST. (SHOWN) OR 3/8" DIA. x 1-3/4" MIN. EMBED ANKR-TITE CONCRETE ANCHOR 12" MAX. O.C. TO CONCRETE. 2-1/2" MIN. EDGE DIST. (NOT SHOWN).

ANCHOR NOTE: FIRST (BOTTOM) ANCHOR SHALL BE INSTALLED AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR SHALL BE INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

CMU BLOCK JAMBS

90 CMU BLOCK. BLOCK CELLS MAY BE BACK-FILLED WITH CONCRETE BUT NOT REQ'D.
 1/4" DIA. x 1" MIN. EMBED TAPCON CONCRETE ANCHOR. 7-1/2" MAX. O.C. TO CONCRETE. 2" MIN. EDGE DIST.
 CONTINUOUS OR REVERSE ANGLE MOUNT TRACK FASTENED DIRECTLY TO JAMB.

WOOD JAMB ON CONCRETE

2,000 PSI CONCRETE.
 3/8" DIA. x 1-3/4" EMBED MIN. ANKR-TITE CONCRETE ANCHOR. 12" MAX. O.C. TO SECURE WOOD TO CONCRETE. C'SINK IF NEEDED.
 2-1/2" MIN. EDGE DIST.
 CONTINUOUS OR REVERSE ANGLE MOUNT TRACK FASTENED TO 2x6 #2 OR BETTER YELLOW PINE JAMB WITH ONE 5/16"x1-5/8" LG. LAG SCREW 12" MAX. O.C.

STEEL JAMBS (3/16" MIN.)

MAY BE BACK-FILLED WITH CONCRETE, BUT NOT REQUIRED FOR SELF TAPPING SCREW.
 3/16" MIN. STEEL JAMB.
 5/16"x1" SELF TAPPING SCREW. 12" MAX. O.C. TO SECURE ANGLE TO STEEL JAMB. 1/2" MIN. EDGE DIST.
 CONTINUOUS OR REVERSE ANGLE MOUNT TRACK FASTENED DIRECTLY TO JAMB.

WOOD JAMBS

1/2"x1-5/8" MIN. EMBED LAG SCREW
 1-1/8" WASHER REQ'D. 20" MAX. O.C. TO SECURE 2x6 WOOD JAMB TO WOOD STRUCTURE. C'SINK IF NEEDED.
 CONTINUOUS OR REVERSE ANGLE MOUNT TRACK FASTENED TO 2x6 #2 OR BETTER YELLOW PINE JAMB WITH ONE 5/16"x1-5/8" LG. LAG SCREW 12" MAX. O.C.