



**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)

**Clopay Building Products Co.
8585 Duke Blvd.
Mason City, Ohio 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: Single Car Steel Pan Garage Door with Impact Lites

APPROVAL DOCUMENT: Drawing No. 103547, dated 10/23/06, titled "Single Car W8 Pan Door with Impact Resistant Lites", sheets 1 of 1, prepared by Clopay Building Products Company signed and sealed by Scott Hamilton 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.

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, evidence page E1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Mohammed Iqbal Shaikh, P.E.**



**NOA No 06-1107.02
Expiration Date: February 21, 2012
Approval Date: February 22 2007
Page 1**

Clopay Building Products

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING:

Drawing No. 103547, dated 10/23/06, titled "Single Car W8 Pan Door with Impact Resistant Lites", sheets 1 of 1, prepared by Clopay Building Products Company signed and sealed by Scott Hamilton P.E.,

B TEST:

1. Test report # ATLNC 0808.01-06 on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203 Uniform Static Air Pressure Test per TAS 202, , dated 10/12/06 prepared by American Test Lab, Inc. signed and sealed by Daniel Johnson , P.E. and Tensile Test report # HETI -06-T566, HETI -06-T634 per ASTM E8, dated 7/14/06 & 11/8/06 prepared by Hurricane Engineering & Testing Inc., signed and sealed by Rafael E. Droz-Seda, P.E.
2. Test report # ETC-06-1024-17496.0 on Self Ignition Temperature, Rate Of Burn , and Smoke Density Tests of Plastic Materials per ASTM D2843, ASTM D635 & ASTM D1929 prepared by ETC Laboratories, dated 05/26/06 and signed by Joseph Labora Doldan, P.E.
3. Test report # HETI -06 -A002 on Accelerated Weathering Using Xenon Arc Light Apparatus Test per ASTM G155 on Clear Polycarbonate, prepared by Hurricane Engineering & Testing Inc., signed and sealed by Rafael E. Droz-Seda, P.E.

C CALCULATIONS:

1. Anchoring Calculations dated 10/24/06 prepared by Clopay Building Products Company, sheets 1 & 2 signed and sealed by Scott Hamilton, P.E.

D QUALITY ASSURANCE:

1. Building Code Compliance Office.

E. STATEMENTS:

1. Code compliance letter dated December 13, 2006 issued by Clopay Building Products Company, sheets 1 & 2 signed and sealed by Scott Hamilton, P.E.
2. No interest letter issued dated October 26, 2006 issued by Clopay Building Products Company, sheets 1 & 2 signed and sealed by Scott Hamilton, P.E.



Mohammed Iqbal Shaikh, P.E.
Sr. Building Code Compliance Specialist
NOA No 06-1107.02
Expiration Date: February 21, 2012
Approval Date: February 22, 2007

CLOPAY MODELS 84A, 94, 98, H94
 IDEAL MODELS: 4RST, H4ST, 4F
 HOLMES MODELS: 48

END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM AND #8-18x1/2" SELF TAPPING SCREWS OR 3/16" RIVETS. END STILES HAVE (2) TOG-L-LOC CLINCHES AT TOP AND (2) AT BOTTOM, ALONG THE FRONT FACE. 21" SECTIONS HAVE (6) TOG-L-LOC CLINCHES AND (7) SCREWS OR RIVETS. 18" SECTIONS HAVE (4) TOG-L-LOC CLINCHES AND (5) SCREWS OR RIVETS. FASTENERS ACROSS THE FACE OF EACH STILE ARE EVENLY DISTRIBUTED.

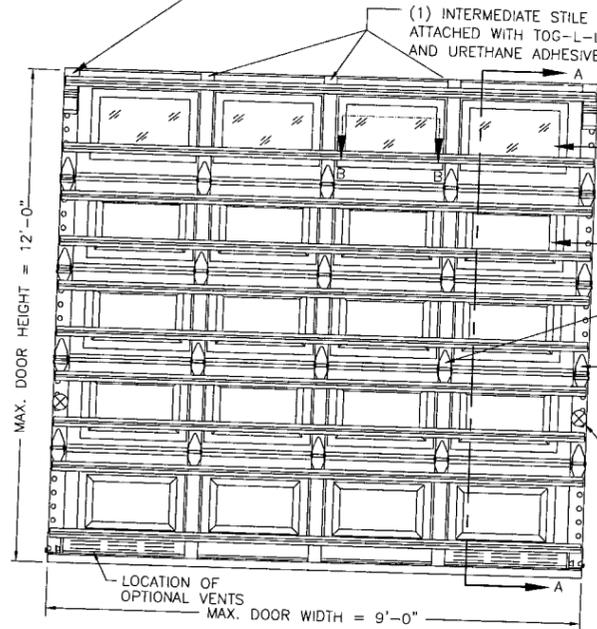
(1) INTERMEDIATE STILE BETWEEN EACH EMBOSS, ATTACHED WITH TOG-L-LOC [(2) AT TOP & BOTTOM] AND URETHANE ADHESIVE (ALONG CENTER).

ONE ROW OF IMPACT-RESISTANT GLAZING IN EITHER TOP SECTION (SHOWN) OR NEXT-TO-THE-TOP SECTION (NOT SHOWN). MAX. GLAZING SIZE IS 18-1/2" x 11". GLAZING IS INJECTION MOLDED GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606. SEE SECTION B-B FOR ASSEMBLY DETAILS.

SEE INTERMED. HINGE DETAIL.

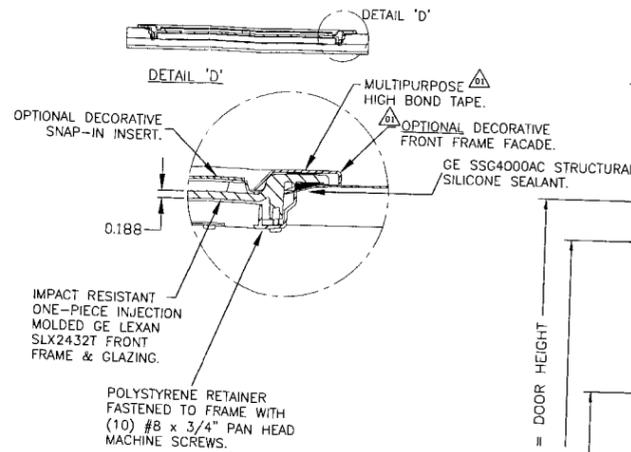
SEE END HINGE DETAIL.

LOCK POSITION (BOTH SIDES). SEE LAYOUT OF EACH LOCK FOR DETAILS.

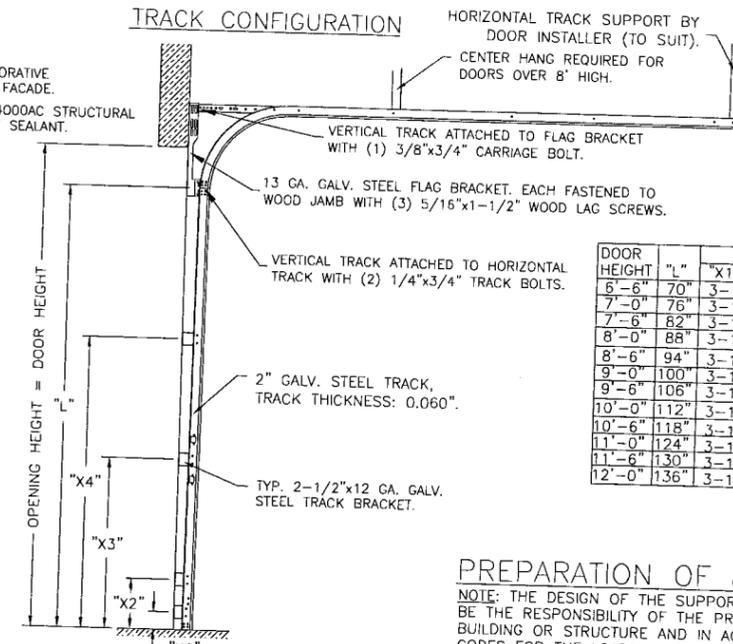


INSTALLER MODEL	RETAIL MODEL	DESCRIPTION
94, H94, 4RST, H4ST	84A, 48	WOODGRAIN TEXTURE, RAISED PANEL, GALV. INTER. STILES
98, 4F	-	WOODGRAIN TEXTURE, FLUSH PANEL, GALV. INTER. STILES

SECTION B-B



TRACK CONFIGURATION



DOOR HEIGHT	BRACKET PLACEMENTS					
	"L"	"X1"	"X2"	"X3"	"X4"	"X6"
6'-6"	70"	3'-1/2"	10"	35"	60"	-
7'-0"	76"	3'-1/2"	10"	38"	66"	-
7'-6"	82"	3'-1/2"	10"	34"	58"	-
8'-0"	88"	3'-1/2"	10"	34"	58"	-
8'-6"	94"	3'-1/2"	10"	34"	58"	82"
9'-0"	100"	3'-1/2"	10"	34"	58"	82"
9'-6"	106"	3'-1/2"	10"	34"	58"	82"
10'-0"	112"	3'-1/2"	10"	34"	58"	82"
10'-6"	118"	3'-1/2"	10"	34"	58"	82"
11'-0"	124"	3'-1/2"	10"	34"	58"	106"
11'-6"	130"	3'-1/2"	10"	34"	58"	106"
12'-0"	136"	3'-1/2"	10"	34"	58"	106"

PREPARATION OF JAMBS BY OTHERS
 NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE 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.

JAMB TO SUPPORTING STRUCTURE ATTACHMENT

- NOTES:
- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL JAMB. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
 - ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
 - A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

WOOD FRAME BUILDINGS
 STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED SYP (GRADE #2 OR BETTER) WOOD STUDS OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING (F_b). STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS.

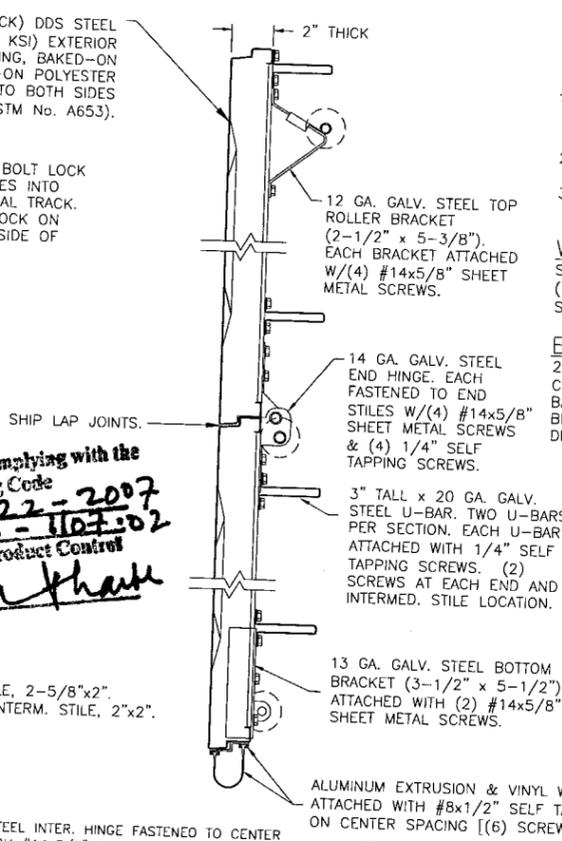
BLOCK WALL OR CONCRETE
 2x6 SYP (GRADE #2 OR BETTER) WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH REINFORCING BARS EXTENDING INTO THE FOOTING AND INTO THE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT (NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS)

BUILDING TYPE	FASTENER TYPE	MAXIMUM * ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
C-90 BLOCK (HOLLOW OR GROUTED)	1/4" x 3" (1-1/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	10-1/2"	1" O.D.
3,000 PSI MIN. CONCRETE	1/4" x 4" (1-3/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	24"	1" O.D.
3,000 PSI MIN. CONCRETE	1/2" x 4" (2-1/4" EMBED) SIMPSON STRONG-TIE WEDGE-ALL WEDGE ANCHOR (2" MIN. EDGE DISTANCE)	21-1/2"	INCLUDED
WOOD FRAME	1/2" x 4" (1-5/8" EMBED) LAG SCREW (ASTM A307, GRADE A) (2-1/2" MIN. EDGE DISTANCE)	24"	1" O.D.
2,000 PSI MIN. CONCRETE	1/2" x 4" (2-1/2" EMBED) WEJ-IT SLEEVE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	24"	INCLUDED

* - FIRST ANCHOR/SCREW STARTING FROM BOTTOM AT NO MORE THAN HALF OF MAXIMUM ON CENTER DISTANCE. HIGHEST ANCHOR/SCREW INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING HEIGHT.

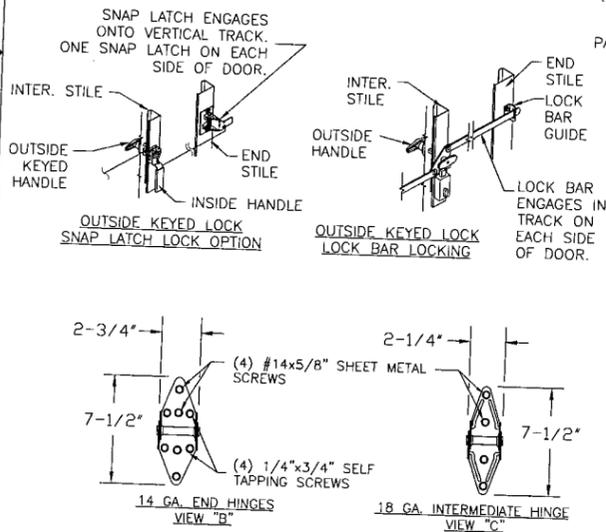
SECTION A-A



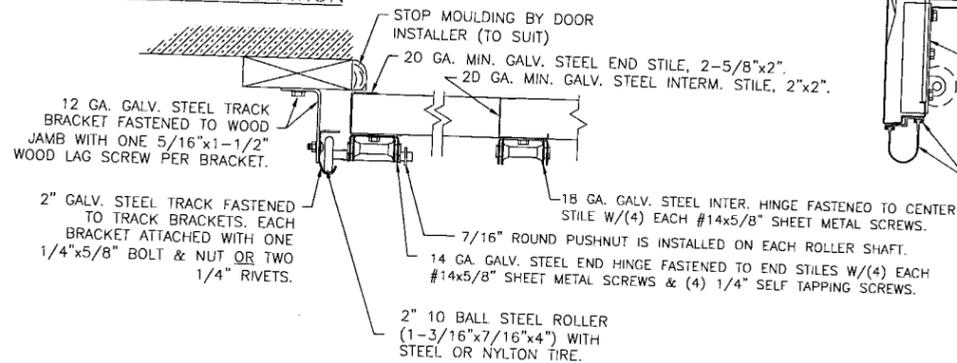
24 GA. (0.0239" MIN. THICK) DDS STEEL (MIN. YIELD STRENGTH: 31.2 KSI) EXTERIOR SKIN WITH G-40 GALVANIZING, BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN. (ASTM No. A653).

Approved as complying with the Florida Building Code
 Date: 02-22-2007
 NOAR: 06-1107-02
 Miami Dade Product Control Division
 By: M. Khan

INSIDE ELEVATION



JAMB CONFIGURATION



Clopay
 Building Products
 Company

TOLERANCES		SCALE:		PAGE:	
Unless Stated Otherwise	.00 = ±.03 .000 = ±.015 .0000 = ±.007 Degrees = ±1/2"	NOTED	2/12/17	1 OF 1	MAX. SIZE
CLOPAY BUILDING PRODUCTS 8585 DUKE BLVD. MASON, OHIO 45040 (513) 770-4800				9'0"W x 12'0"H	
DRAWN BY: SH CHECKED BY: SH				DESCRIPTION: SINGLE CAR W8 PAN DOOR WITH IMPACT RESISTANT LITES	
DATE: 10/23/06				DRAWING NUMBER: B 103547	
DESIGN LOADS: +48.0 PSF & -54.0 PSF.				VER: MD	