



MIAMI-DADE COUNTY  
 PRODUCT CONTROL SECTION  
 11805 SW 26 Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
 BOARD AND CODE ADMINISTRATION DIVISION  
**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 and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: 2” EPS Ins. W8 Steel Sectional Garage Door up to 18’-2” Wide w/ Optional Impact Resistant Lites (DP +46, -50 PSF)**

**APPROVAL DOCUMENT:** Drawing No. **104752**, titled “W8 DP 46 2” EPS Ins. Doors to 18’ 2””, sheet 1 and 3 of 3, dated 11/09/2012, 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 Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer’s name or logo, Troy, OH, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading ‘Miami-Dade County Product Control Approved’ is to be located on the door’s side track, bottom angle, or inner surface of a panel.

**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 and evidence page E-1, as well as approval document mentioned above.

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



*[Signature]*  
 02/05/2013

NOA No 12-1204.10  
 Expiration Date: February 14, 2018  
 Approval Date: February 14, 2013  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **104752**, titled "W8 DP 46 2" EPS Ins. Doors to 18'2", sheet 1 and 3 of 3, dated 11/09/2012, 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 18'2"x 8', 27ga steel garage door Model 4300W8 with windows, prepared by American Test Lab, Inc., Test Report No. **ATLNC 1009.01-12R**, dated 11/20/2012, 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 01/26/2005, signed by John D. Lee, P.E.

**C. CALCULATIONS**

1. Jamb anchor calculations prepared by Clopay Building Products Company, dated 11/12/2012, signed and sealed by Scott Hamilton, P.E.

**D. QUALITY ASSURANCE**

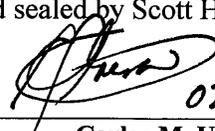
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **08-0305.02** issued to SABIC Innovative Plastics for their Lexan Sheet Products, approved on 04/24/2008, expiring on 07/17/2013.
2. Test report on Surface Burning Characteristics, per ASTM E84 of Type I EPS, Test Report No. **3082960-500**, prepared by Intertek Testing Services, NA, Inc., dated 10/04/2005, signed by Javier Trevino.
3. Test report on Ignition Properties of Plastics per ASTM D1929 of Type I EPS, Test Report No. **3082959-500**, prepared by Intertek Testing Services, NA, Inc., dated 09/16/2005, signed by C. Anthony Peñaloza.

**F. STATEMENTS**

1. Statement letters of code conformance to 2010 FBC and no financial interest, issued by Clopay Building Products Company, dated 11/13/2012, signed and sealed by Scott Hamilton, P.E.

 02/05/2013

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 12-1204.10

Expiration Date: February 14, 2018  
Approval Date: February 14, 2013

MODELS	24 GA SHORT	27 GA SHORT	27 GA FLUSH	27 GA LONG
CLOPAY	4400, 4401	4300, HDG	4301, HDGF	4310, HDGL
HOLMES	--	66, 66G, 6200	68, 6201	67, 67G, 6203
IDEAL	--	SP200	SF200	SE200

SHEET:  
1 OF 3

REVISIONS					DESCRIPTION
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	
00	-	11/8/12	-	SH	BASED ON 103028; REVISED REINFORCEMENT.

OPTIONAL ROW OF IMPACT-RESISTANT GLAZING.  
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.  
(GLAZING SHOWN IN INTERMEDIATE SECTION.)

**IMPACT-RESISTANT CONSTRUCTION:**

SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL INJECTION-MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606.  
THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND IS LARGE- AND SMALL-MISSILE IMPACT RESISTANT.

(1) 20 GA. BACKER PLATE BETWEEN EACH EMBOSS LOCATION THAT CONTAINS A CENTER HINGE. ATTACHED WITH DOUBLE SIDED ACRYLIC ADHESIVE TO BACK OF DOOR.

STRUT AND TOP BRACKET ARRANGEMENT WITH STANDARD ENDSTILE AND TOP SECTION SOLID OR GLAZED (SHOWN).

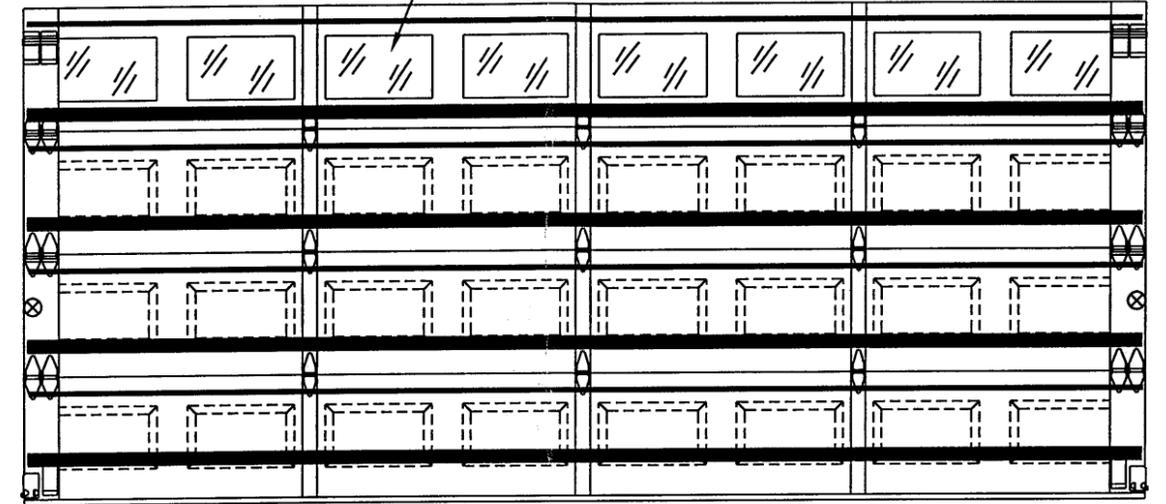
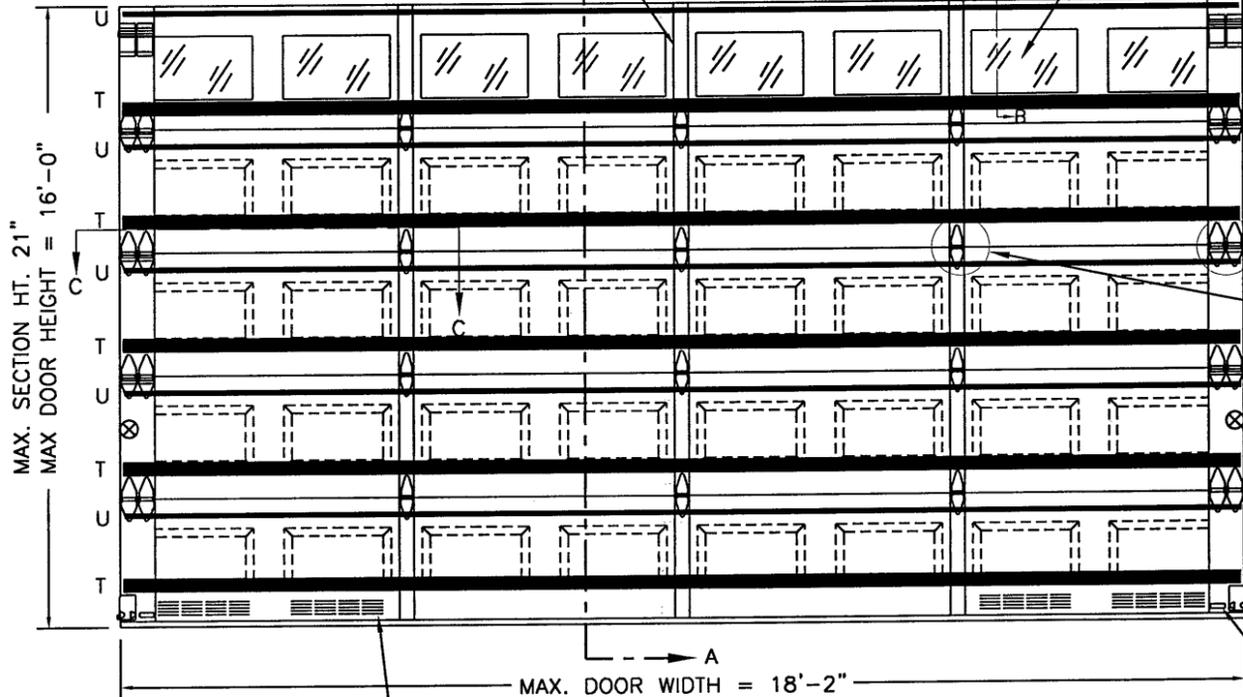
16 GA. DOUBLE END STILES. MAY BE NOTCHED FOR LITES.

VIEW "B" (SEE SHEET TWO).  
VIEW "C" (SEE SHEET TWO).

TWO POINT LOCKING INTO TRACK.  
U-BAR.

T-STRUT.  
(1) 3-IN ROLLER CARRIER (P/N 0120394) USED WITH 3" TRACK. ATTACH WITH (3) 1/4"x3/4" SELF TAPPING SCREWS.

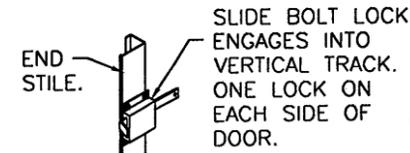
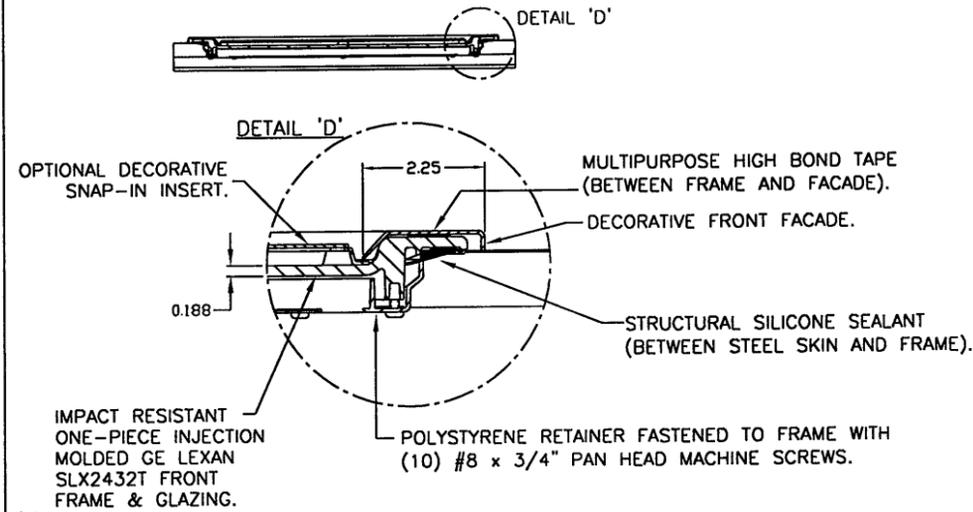
STRUT AND TOP BRACKET ARRANGEMENT WITH STANDARD ENDSTILE AND LITES IN TOP SECTION.



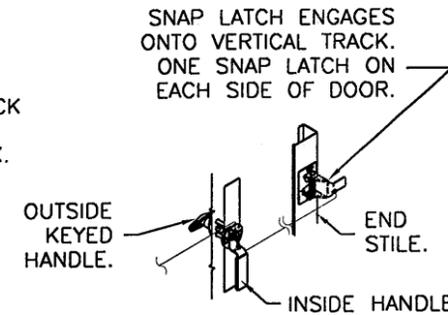
DOOR HEIGHT	# OF SECTIONS
UP TO 7'0"	4
7'3" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10
MAX SECTION HEIGHT: 21'	

LOCATION OF OPTIONAL VENTS. TOTAL VENT OPENINGS: 60 IN<sup>2</sup> PER VEHICLE.  
VENTS SHALL BE IN ACCORDANCE WITH CLOPAY DRAWING 101845.

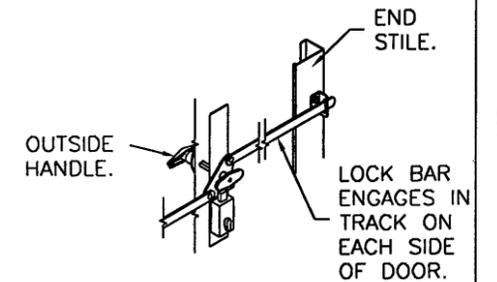
**SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)**



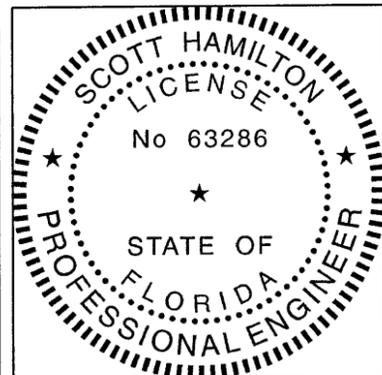
INSIDE SLIDE BOLT LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.



DESIGN ENGINEER:  
SCOTT HAMILTON, P.E.  
FLORIDA LICENSE No. 63286

Approved as complying with the Florida Building Code  
Date 02/19/2013  
NOA# 12-1204-10  
Miami Dade Product Control

By *[Signature]*

DESIGN LOADS: +46.0 P.S.F. & -50.0 P.S.F.

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

Unless Stated Otherwise  
DIMENSIONS ARE IN INCHES.



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

PART NO.: N/A

WINDLOAD RATING  
W8 DP46

DESCRIPTION: 2" EPS INS. DOORS TO 18'2" (SEE TABLE FOR MODELS)

DRAWN BY: SH	DATE: 11/8/12	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 11/9/12	SHEET 1 OF 3	
DWG. NO.: 104752		VER: MD	

MODELS	24 GA SHORT	27 GA SHORT	27 GA FLUSH	27 GA LONG
CLOPAY	4400, 4401	4300, HDG	4301, HDGF	4310, HDGL
HOLMES	--	66, 66G, 6200	68, 6201	67, 67G, 6203
IDEAL	--	SP200	SF200	SE200

SHEET:  
2 OF 3

REVISIONS					DESCRIPTION
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	
00	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

### JAMB TO SUPPORTING STRUCTURE ATTACHMENT

**NOTES:**

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +414 LB & -468 LB. PER LINEAR FOOT OF JAMB.
3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. 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<sub>b</sub>) FOR DOORS UP TO 8'0" HIGH OR (4) 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<sub>b</sub>) FOR DOORS UP TO 16'0" HIGH. STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS.

**BLOCK WALL OR CONCRETE**

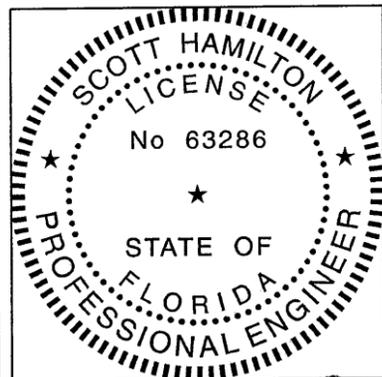
2x6 SYP (GRADE #2 OR BETTER) WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH REINFORCING BARS EXTENDING INTO THE FOOTING AND INTO TIE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER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

### 2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

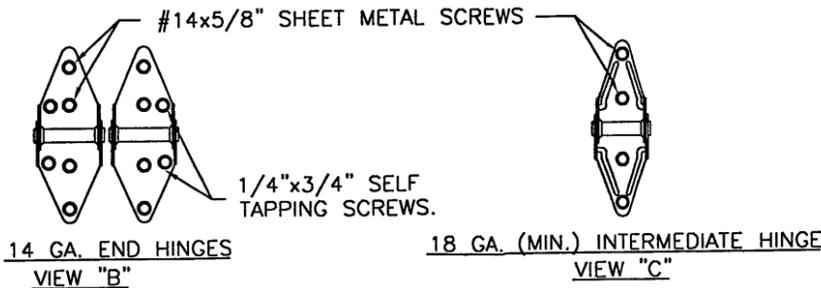
BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
BLOCK WALL	1/4" x 1-1/4" MIN. EMBED TAPCON CONCRETE ANCHOR	5-1/2"	1" O.D.
3000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	6"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	12"	INCLUDED
4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	13"	1" O.D.

\* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.  
CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.  
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO THICKNESS.



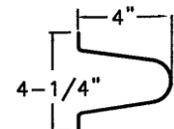
Approved as complying with the Florida Building Code  
Date: 02/14/2013  
NOA# 12-1204-10  
Miami Dept. Product Control  
By: [Signature]

DESIGN ENGINEER:  
SCOTT HAMILTON, P.E.  
FLORIDA LICENSE No. 63286



1.95" THICK, 1# DENSITY EXPANDED POLYSTYRENE FOAM INSULATION LAMINATED TO BOTH EXTERIOR AND INTERIOR SKINS. FOAM MANUFACTURED BY PREMIER INDUSTRIES, INC. OR FALCON FOAM.

TONGUE AND GROOVE JOINTS.



VIEW "D"  
4" TALL TAPER STRUT.  
MIN. 0.062" GALV. STEEL,  
MIN. 80 KSI.

27 GA (0.016" MIN.) EXTERIOR STEEL SKIN (MIN. YIELD STRENGTH: 37.4 KSI, DRAWING QUALITY) WITH G-40 MIN. GALV. BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

SILICONE FILLED CHANNEL SEPARATES FRONT AND BACK SKIN OF DOOR.

TOP SECTION WITH LITES: (2) 18 GA. GALV. STEEL TOP ROLLER BRACKETS (2-7/16" x 3-3/4"). EACH BRACKET ATTACHED W/(4) #14x5/8" SHEET METAL SCREWS.  
SOLID TOP SECTION: (2) 12 GA. GALV. STEEL TOP ROLLER BRACKETS (2-1/2" x 5-3/8"). EACH BRACKET ATTACHED W/(4) #14x5/8" SHEET METAL SCREWS. ADJUSTABLE SLIDE ATTACHED TO TOP BRACKET WITH (2) 1/4"x1/2" BOLTS AND NUTS PER BRACKET.

27 GA. (0.016" MIN.) INTERIOR STEEL SKIN (DRAWING QUALITY) WITH G-40 MIN. GALV., BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

14 GA. GALV. ROLLER HINGE. EACH HINGE FASTENED TO END STILES WITH (4) #14x5/8" SHEET METAL AND (2) 1/4"x3/4" SELF TAPPING SCREWS. SEE VIEW "B".

3" TALL X 20 GA. GALV. STEEL U-BARS. ONE U-BAR AT THE TOP OF EACH SECTION. ATTACH WITH TWO 1/4"x3/4" SELF TAPPING SCREWS PER HINGE.

ONE 4" T-STRUT PER SECTION (SEE VIEW "D"). EACH T-STRUT ATTACHED AT EACH HINGE LOCATION WITH (2) 1/4"x3/4" SELF TAPPING SCREWS.

13 GA. GALV. STEEL BOTTOM BRACKET ATTACHED WITH (2) #14x5/8" SHEET METAL SCREWS.

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

### SECTION A-A (SIDE VIEW)

DESIGN LOADS: +46.0 P.S.F. & -50.0 P.S.F.

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

Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

**Clopay** Building Products Company  
8585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-770-4800  
Fax No. 513-770-4853

DESCRIPTION: 2" EPS INS. DOORS TO 18'2" (SEE TABLE FOR MODELS)

DRAWN BY: SH DATE: 11/8/12 SCALE: NTS DWG. SIZE: B  
CHECKED BY: SH DATE: 11/9/12 SHEET 2 OF 3

DWG. NO.: 104752 VER: MD

PART NO.: N/A

WINDLOAD RATING  
**W8 DP46**

4

3

2

1

MODELS	24 GA SHORT	27 GA SHORT	27 GA FLUSH	27 GA LONG
CLOPAY	4400, 4401	4300, HDG	4301, HDGF	4310, HDGL
HOLMES	--	66, 66G, 6200	68, 6201	67, 67G, 6203
IDEAL	--	SP200	SF200	SE200

SHEET:  
3 OF 3

REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD.	DESCRIPTION
00	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

D

D

C

C

B

B

A

A

**3" TRACK CONFIGURATION  
(ALL SIZES).**

NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.

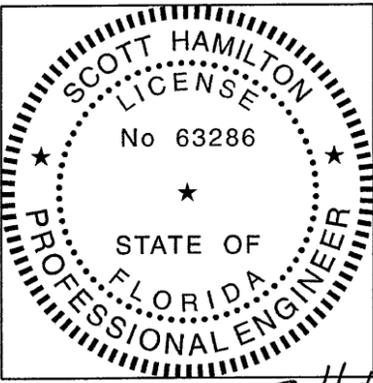
**JAMB CONFIGURATION  
(ALL SIZES).**

LHR BRACKET (2-1/2" x 5-3/4" x 12GA) ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING SCREWS. NOTE THAT LHR BRACKETS ARE ALSO USED WITH "DOUBLE END STILE" AS SHOWN IN ZONE B-3 SHEET 1.

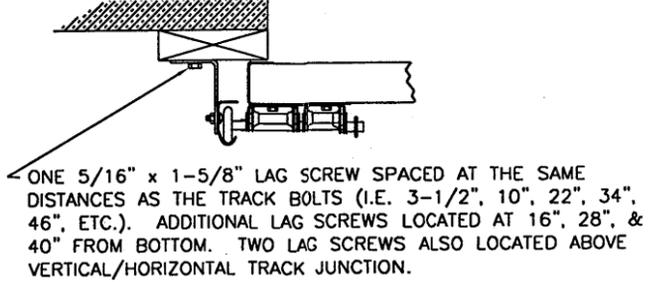
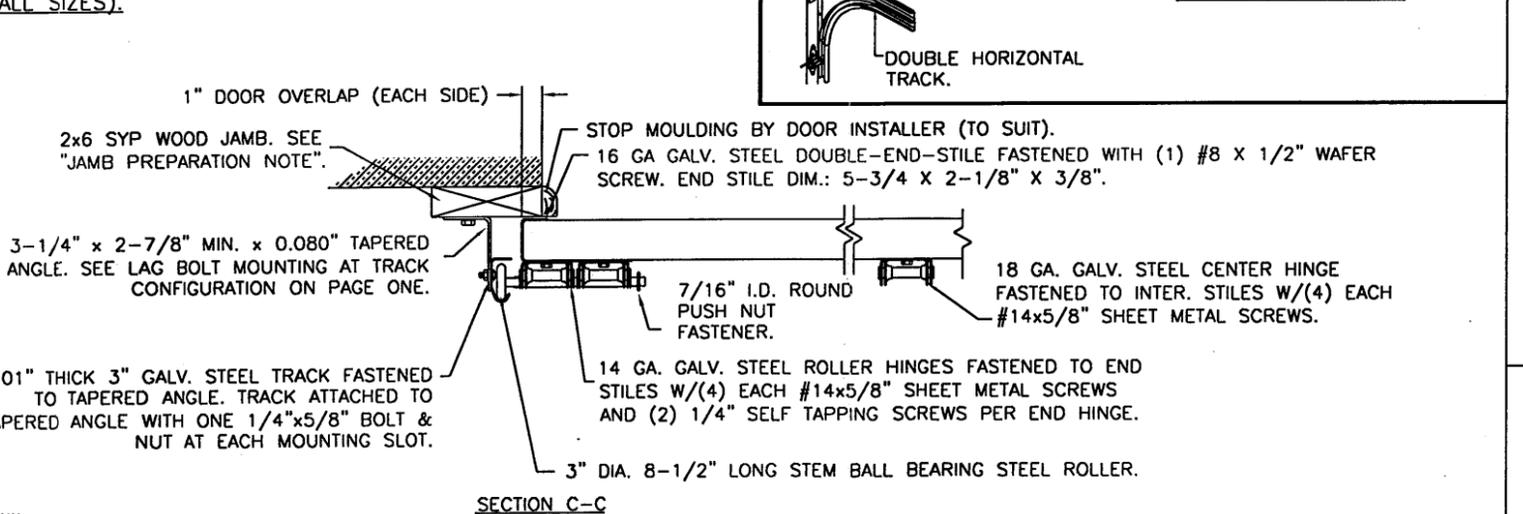
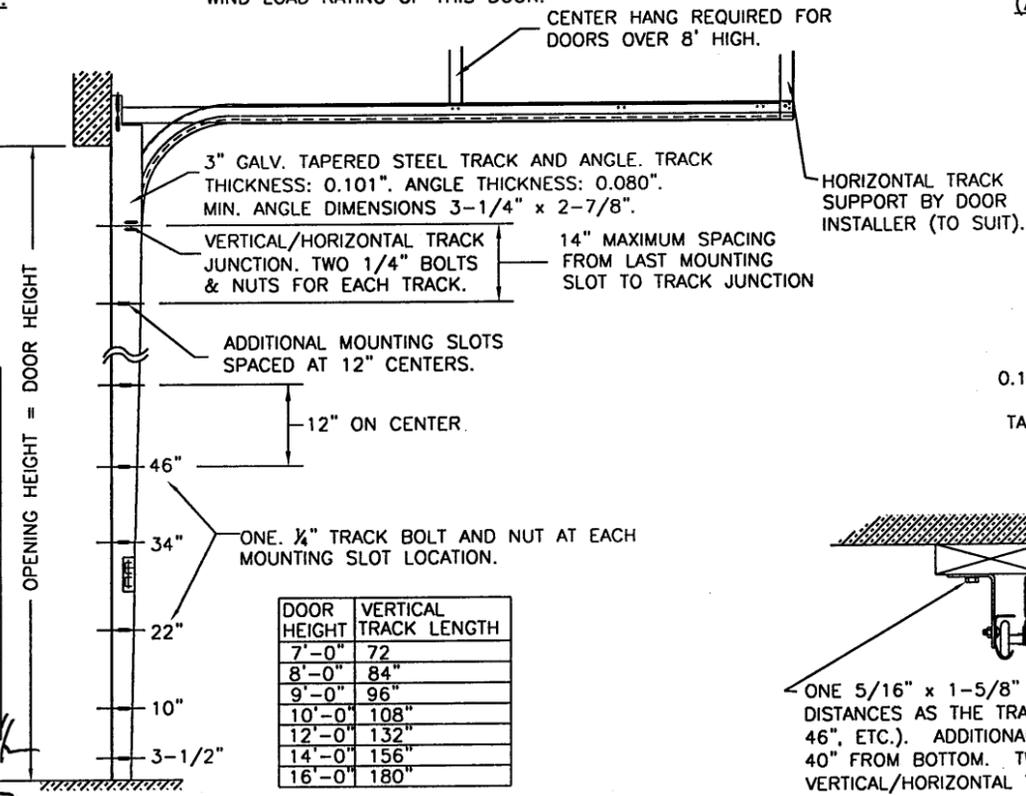
**DOUBLE TRACK LOW HEADROOM OPTION**

DOUBLE HORIZONTAL TRACK.

Approved as complying with the Florida Building Code  
Date 02/14/2013  
NOA# 12-1204-10  
Miami Dade Product Control  
By *[Signature]*



DESIGN ENGINEER: *[Signature]*  
SCOTT HAMILTON, P.E.  
FLORIDA LICENSE No. 63286



DESIGN LOADS: +46.0 P.S.F. & -50.0 P.S.F.	PART NO.: N/A
Unless Stated Otherwise TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2"	 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853 WINDLOAD RATING <b>W8 DP46</b>
DESCRIPTION: 2" EPS INS. DOORS TO 18'2" (SEE TABLE FOR MODELS)	DWG. NO.: 104752
DRAWN BY: SH	DATE: 11/8/12
CHECKED BY: SH	DATE: 11/9/12
SCALE: NTS	SHEET 3 OF 3
VER: MD	SIZE B

4

3

2

1