



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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/pera/

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 PERA -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. PERA 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: Steel Garage Door up to 16'-2" Wide w/ Optional Impact Resistant Lites

APPROVAL DOCUMENT: Drawing No. **101300**, titled "Double Car W8 Hurricane Pan Door", Sheets 1 through 3 of 3, dated 02/15/1995, with last revision 15, dated 01/06/2012, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, 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 revises NOA # **11-0217.01** 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.**



Carlos M. Utrera
03/28/2012

NOA No 12-0125.20
Expiration Date: March 26, 2016
Approval Date: April 5, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **101300**, titled "Double Car W8 Hurricane Pan Door", Sheets 1 through 3 of 3, dated 02/15/1995, with last revision 15, dated 01/06/2012, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E.

B. TESTS "Submitted under NOA # 08-0624.03"

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 16'-2"x 8', 24 ga. steel garage door Model 94W8 with windows, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0327.01-08**, dated 05/13/2008, signed and sealed by David W. Johnson, P.E.

"Submitted under NOA # 07-0807.14"

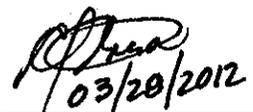
2. Test reports on
 - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of Clopay 16'-2"x 8', 24ga. steel garage door Model 94, prepared by American Test Lab, Inc., Test Report No. **ATLNC 1102.01-05**, dated 11/22/2005, signed and sealed by David W. Johnson, P.E.

3. 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

Along with marked-up drawings and installation diagram of Clopay 16'-2"x 8', 24ga. steel garage door Model 94, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0118.01-06**, dated 03/07/2006, signed and sealed by David W. Johnson, P.E.

4. 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.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 12-0125.20

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B. TESTS (Continued) “Submitted under NOA # 07-0807.14”

5. Test report on Tensile Test per ASTM E 8, prepared by Q.C. Metallurgical, Inc, Report No. **7KM-1086**, dated 11/22/2005, signed and sealed by F. Grate, P.E.

C. CALCULATIONS “Submitted under NOA # 07-0807.14”

1. Jamb anchor calculations, complying with FBC-2004, prepared by Clopay Building Products Company, dated 05/25/2006, signed and sealed by Scott Hamilton, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS “Submitted under NOA # 07-0807.14”

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 12/04/2006, 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 05/26/2006, signed by Joseph L. Doldan, P.E.

F. STATEMENTS

1. Statement letter of code conformance to 2007 and 2010 FBC, dated 01/19/2012, signed and sealed by Scott Hamilton, P.E.

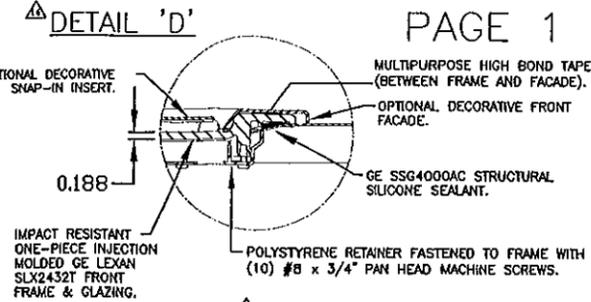
“Submitted under NOA # 11-0217.01”

2. Statement letter of no financial interest issued by Clopay Building Products Company, dated 02/09/2011, signed and sealed by Scott Hamilton, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 12-0125.20
Expiration Date: March 26, 2016
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CLOPAY MODELS 84A, 94, 98, H94
 IDEAL MODELS 4F, 4RST, H4ST
 HOLMES MODEL 48



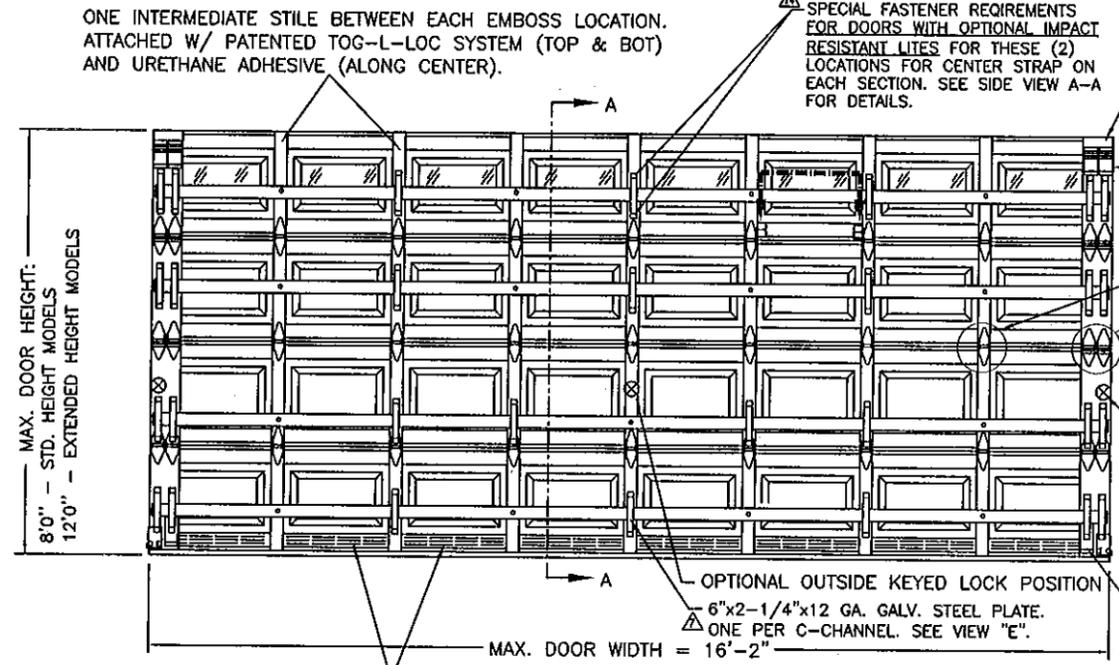
| REV | DATE | DESCRIPTION |
|-----|------------|---|
| 9 | 12/7/2005 | MIN YIELD WAS 38KSI. ADDED BRACKET LOCATIONS. |
| 10 | 12/7/2005 | ADDED 1 PIECE DOUBLE END STILE |
| 11 | 05/19/2006 | MIN YIELD WAS 37.2KSI; REVISED LOCK NOTE; DWG WAS (2) SHEETS; DESIGN ENGINEER WAS M. WESTERFIELD. |
| 12 | 09/11/2006 | UPDATED PER M-D COMMENTS |
| 13 | 12/13/2006 | REVISED MIN YIELD PER M-D COMMENTS (WAS 34.6KSI) |
| 14 | 06/16/2008 | ADDED OPTIONAL IMPACT RESISTANT LITES. |
| 15 | 01/06/2012 | AFFIRMED COMPLIANCE WITH FBC 2010. |

SECTION B-B
 OPTIONAL IMPACT RESISTANT GLAZING

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.

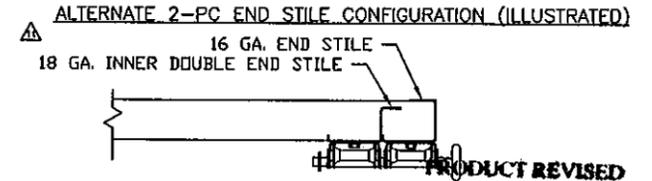
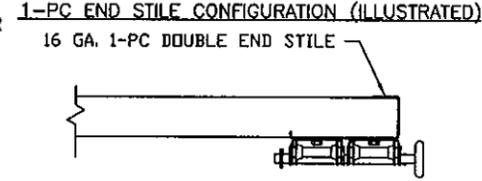
| DOOR HEIGHT | NUMBER OF SECTIONS* |
|----------------|---------------------|
| 6'0" TO 7'0" | 4 |
| 7'6" TO 8'9" | 5 |
| 9'0" TO 10'6" | 6 |
| 10'9" TO 12'0" | 7 |

* - SECTIONS ARE EITHER 18" OR 21" HIGH



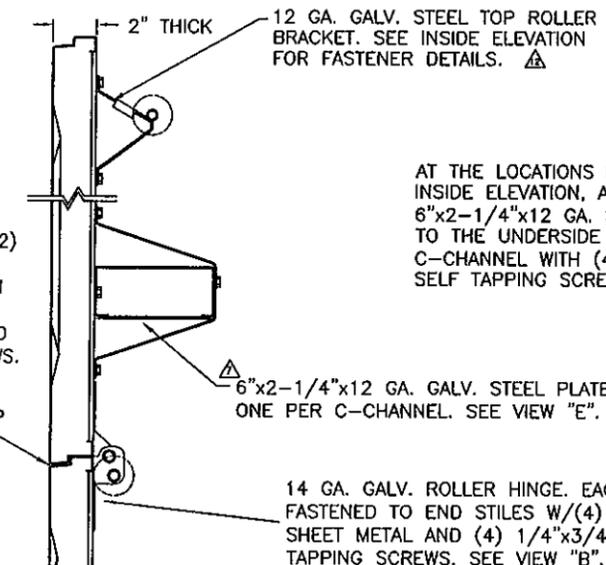
1-PC END STILE CONFIGURATION: (SEE ILLUSTRATION BELOW)
 16 GA. GALVANIZED 1-PC DOUBLE END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM, (2) AT TOP INSIDE, (2) BOTTOM INSIDE, (4) ALONG OUTSIDE EDGE OF 18" SECTIONS & (6) ALONG OUTSIDE EDGE OF 21" SECTIONS.

ALTERNATE 2-PC END STILE CONFIGURATION: (SEE ILLUSTRATION BELOW)
 16 GA. GALVANIZED END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM [(2) AT TOP INSIDE, (2) BOTTOM INSIDE, (4) ALONG OUTSIDE EDGE OF 18" SECTIONS & (6) ALONG OUTSIDE EDGE OF 21" SECTIONS] AND SEPARATE 18 GA. GALV. INNER DOUBLE END STILES ATTACHED TO TOP AND BOTTOM RAIL WITH PATENTED TOG-L-LOC SYSTEM.



(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.

LOCK POSITION (BOTH SIDES). TWO POINT LOCKING REQUIRED. LOCKS HAVE 5/8" MIN. ENGAGEMENT. SEE LAYOUT OF EACH LOCK OPTION BELOW.



12 GA. GALV. STEEL TOP ROLLER BRACKET. SEE INSIDE ELEVATION FOR FASTENER DETAILS.

AT THE LOCATIONS NOTED ON INSIDE ELEVATION, ATTACH THE 6"x2-1/4"x12 GA. STEEL PLATE TO THE UNDERSIDE OF THE THE C-CHANNEL WITH (4) 1/4"x3/4" SELF TAPPING SCREWS.

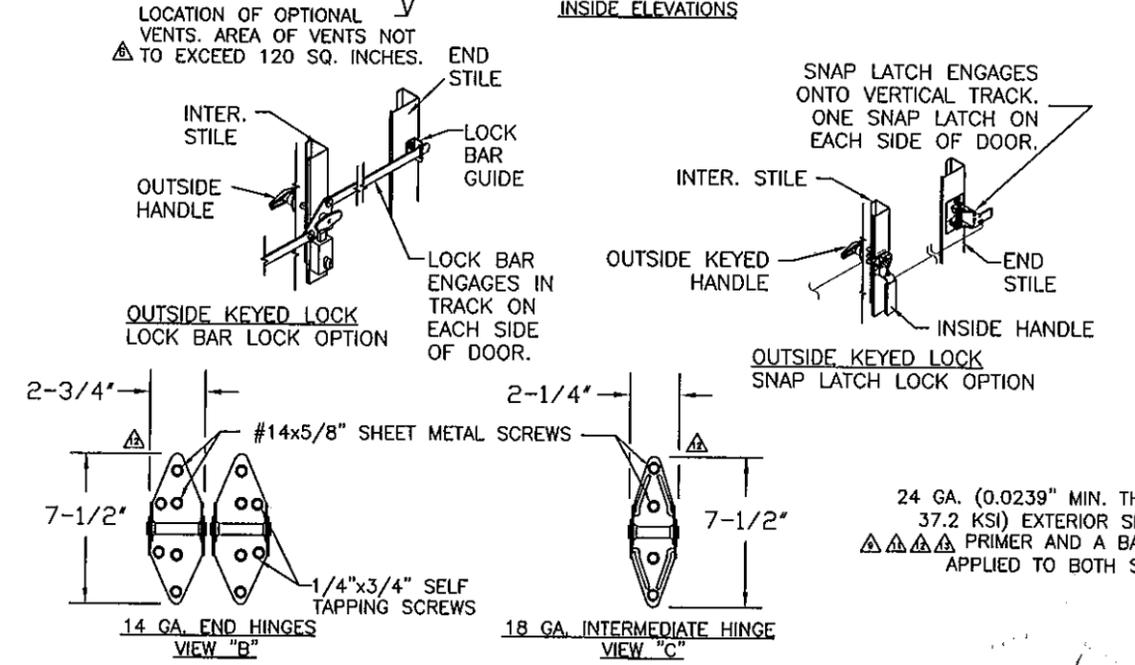
14 GA. GALV. ROLLER HINGE. EACH HINGE FASTENED TO END STILES W/(4) #14x5/8" SHEET METAL AND (4) 1/4"x3/4" SELF TAPPING SCREWS. SEE VIEW "B".

ONE 6" TALL C-CHANNEL PER DOOR SECTION. (SEE VIEW "D") C-CHANNEL ATTACHED AT EACH STILE LOCATION WITH (1) 1/4"x3/4" SELF TAPPING SCREW.

1-1/4" WIDE x 16 GA. GALV. STRAP. (7) PER DOOR SECTION. OPTIONAL: (8) STRAPS ON 2ND (LOCK) SECTION (SEE INSIDE ELEVATION). EACH STRAP ATTACHED WITH (3) 1/4"x3/4" SELF TAPPING SCREWS (TWO SCREWS TO DOOR, ONE SCREW TO C-CHANNEL). SPECIAL REQUIREMENTS FOR DOORS WITH OPTIONAL IMPACT RESISTANT LITES: FOR STRAPS AT CENTER OF DOOR, TOP AND BOTTOM SCREWS SHALL BE REPLACED BY 1/4"-20x5/8 AND FASTENED WITH (1) 1/4" NUT EACH. A CLEARANCE HOLE (9/32" DIA.) MAY BE DRILLED FOR EACH FASTENER.

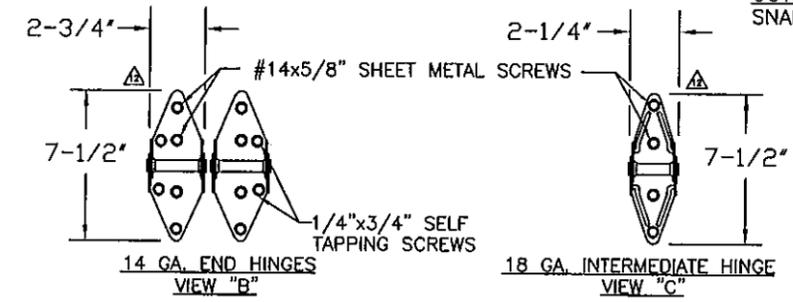
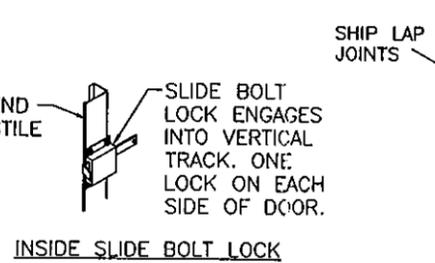
12 GA. GALV. STEEL BOTTOM BRACKET (3-1/2" x 5-1/2") ATTACHED WITH (2) #14x5/8" SHEET METAL SCREWS.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0125-20 Expiration Date 03/26/2016 By Miami Dade Product Control



DOORS WITH 2" TRACK USE (2) STACKED LHR BRACKETS (2-1/2"x5"x 12 GA.) AS INNER BOTTOM BRACKET ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS.

DOORS WITH 3" TRACK USE USE (1) 3-IN ROLLER CARRIER (1-1/8"x2-1/4" x 12 GA.) AS INNER BOTTOM BRACKET ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS.



24 GA. (0.0239" MIN. THICK) DDS STEEL (MIN. YIELD STRENGTH: 37.2 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).

THIS PRODUCT CONFORMS TO THE REQUIREMENTS OF THE 2007 AND 2010 FBC.

| 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 |

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

DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F.

Clopay
 Building Products
 Company

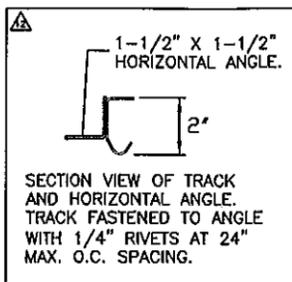
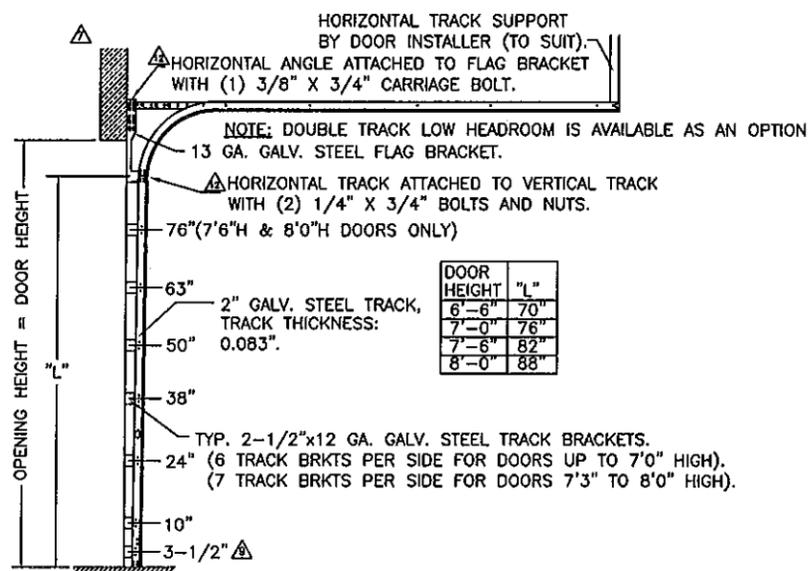
TOLERANCES
 Unless Stated Otherwise
 .00 = ±.03
 .000 = ±.015
 .0000 = ±.007
 Degrees = ±1/2'

CLOPAY BUILDING PRODUCTS
 8585 DUKE BLVD.
 MASON, OHIO 45040
 (513) 770-4800

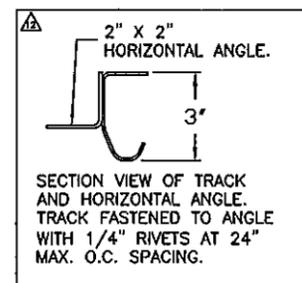
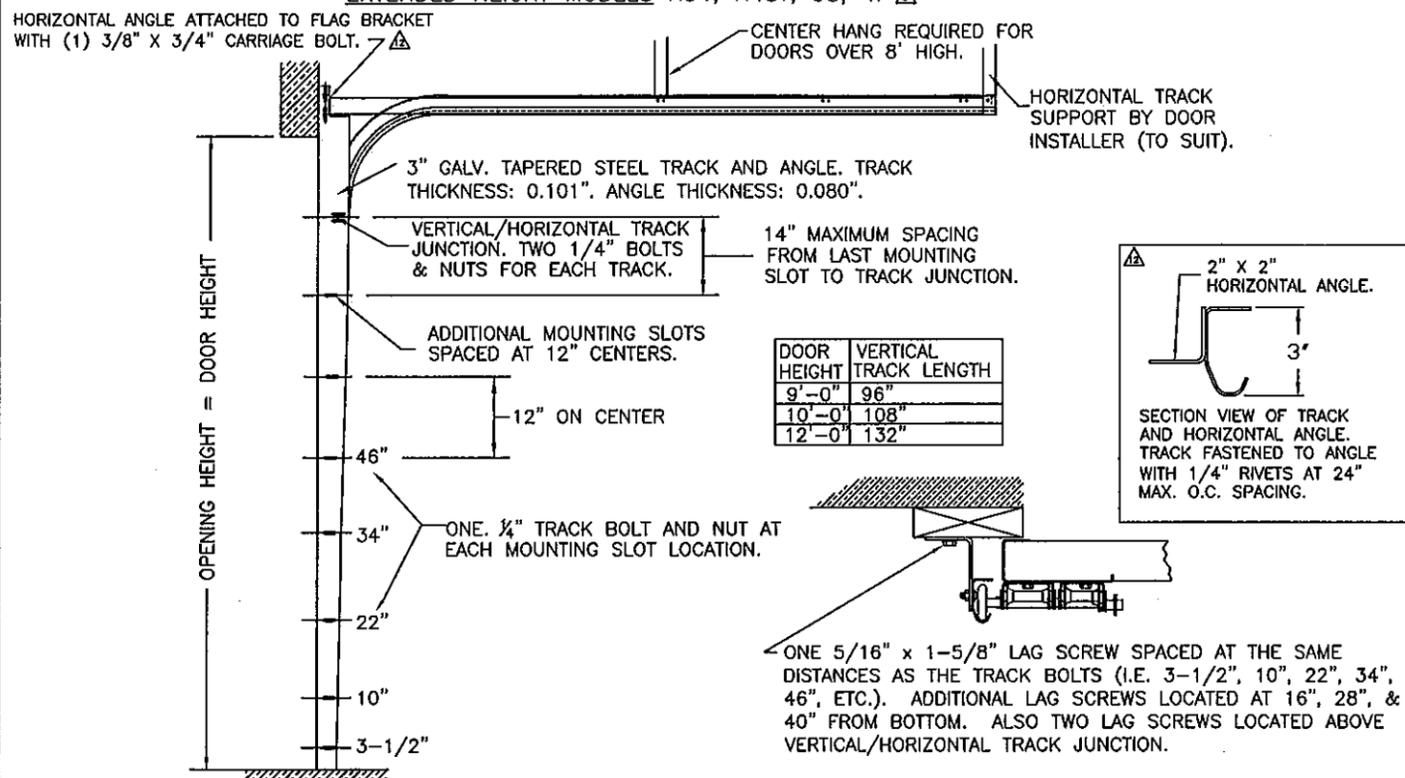
| SCALE: | PAGE: | MAX. SIZE |
|----------------|--|-----------------|
| NOTED | 1 OF 3 | 16'2"W x 12'0"H |
| DATE: 2/15/95 | DESCRIPTION: DOUBLE CAR W8 HURRICANE PAN DOOR | |
| DRAWN BY: MWW | DRAWING NUMBER: 101300 | VER: MD |
| CHECKED BY: SH | | |

TRACK AND JAMB CONFIGURATION

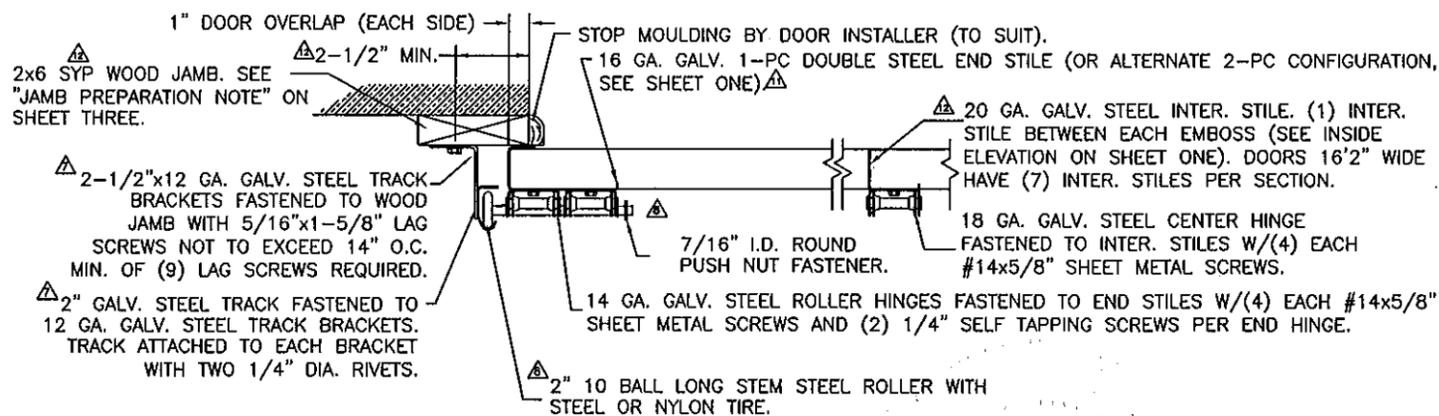
TRACK CONFIGURATION: DOORS UP TO 8'0" HIGH
 STANDARD HEIGHT MODELS 48, 84A, 94, 98, 4RST, 4F



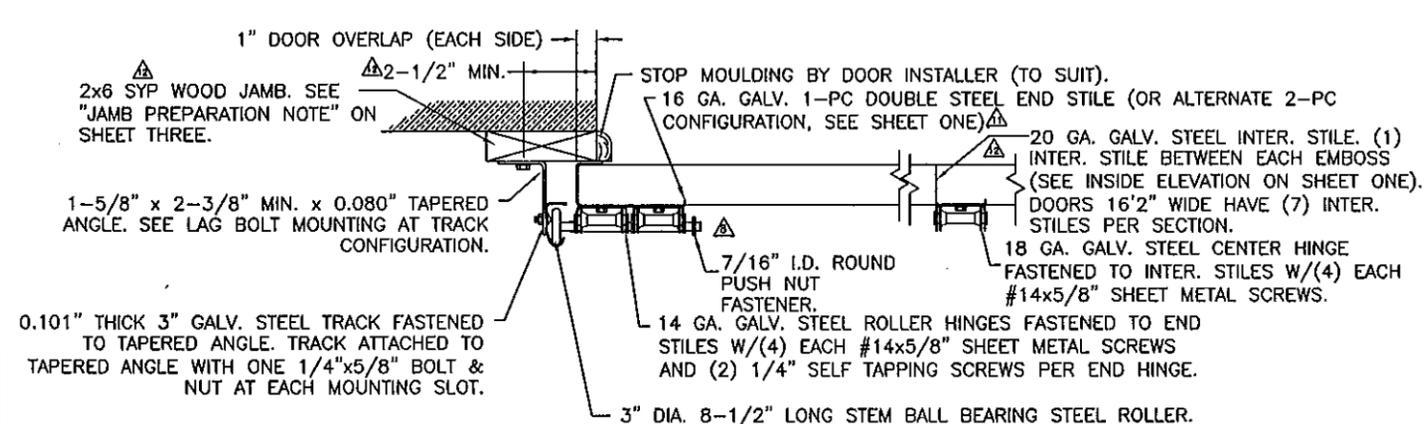
TRACK CONFIGURATION: DOORS 8'3" TO 12'0" HIGH
 EXTENDED HEIGHT MODELS H94, H4ST, 98, 4F



JAMB CONFIGURATION: DOORS UP TO 8'0" HIGH
 STANDARD HEIGHT MODELS 48, 84A, 94, 98, 4RST, 4F



JAMB CONFIGURATION: DOORS 8'3" TO 12'0" HIGH
 EXTENDED HEIGHT MODELS H94, H4ST, 98, 4F



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0125-20
 Expiration Date 03/26/2016
 By [Signature]
 Miami Dade Product Control

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

DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F.

Clopay
 Building Products
 Company

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 .0000 = ±.007
 Degrees = ±1/2'

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 8585 DUKE BLVD.
 MASON, OHIO 45040
 (513) 770-4800

SCALE: NOTED
 DATE: 2/15/95
 DRAWN BY: MWW
 CHECKED BY: SH

| | |
|---|----------------------------|
| PAGE: 2 OF 3 | MAX. SIZE: 16'2"W x 12'0"H |
| DESCRIPTION: DOUBLE CAR W8 HURRICANE PAN DOOR | |
| B | VER: MD |

