



**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 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Sectional Garage Door 16' Wide.

APPROVAL DOCUMENT: Drawing No. 101488, titled "M/N 2400, HDGL, 66, 67, 68, 2401, 4300, 4301, 4310, 4400, 4401, HDG", dated 06/07/95 with last revision on 06/2001, sheets 1 through 4 of 4, prepared by Clopay Building Products Company, signed and sealed by M. W. Westerfield, P.E., bearing the Miami-Dade County Product Control Renewal 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

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 27,000 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 renews NOA # 01-0430.06, consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**



**NOA No 02-0618.02
Expiration Date: September 26, 2007
Approval Date: August 29, 2002
Page 1**

Clipay Building Products Co.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Drawing prepared by Clipay Building Products Company, titled " M/N 2400, HDGL, 66, 67, 68, 2401, 4300, 4301, 4310, 4400, 4401, HDG", drawing No. 101488, dated 06/07/95, with latest revision on 06/2001, sheets 1 through 4 of 4, signed and sealed by M. W. Westerfield, PE.

B. TESTS

1. Test report on Large Missile Impact Test per PA 201, Cyclic Wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 on a 16'-2' x 8' door model 4300, prepared by American Test Lab of South Florida, report No. ATL 98-0213.05, dated 01/11/99, signed and sealed by W. Mehner, PE,

C. CALCULATIONS

1. Calculations prepared by M. W. Westerfield, sheets 1 through 3 signed and sealed by M. W. Westerfield, PE. on 05/22/96.

D. MATERIAL CERTIFICATIONS

1. Tensile test report No. 8KM-2840 prepared by Q. C. Metallurgical, Inc, dated 11/17/98, signed and sealed by F. Grate, PE.
2. Salt Spray Exposure test report No. 29198, prepared by Applied Research Laboratories, dated 12/15/93, signed and sealed by C. A. Hamon, PE.
3. Ignition Properties test report No. 118052, prepared by SGS U.S. Testing Company, Inc. dated 05/17/96, signed and sealed by D. H. Mangall, PE.
4. Surface Burning Characteristics letter reference No. R6705, 96NK12530, prepared by Underwriters Laboratories, Inc. dated 05/24/96 and signed by J. D. Marzullo.

E. STATEMENTS

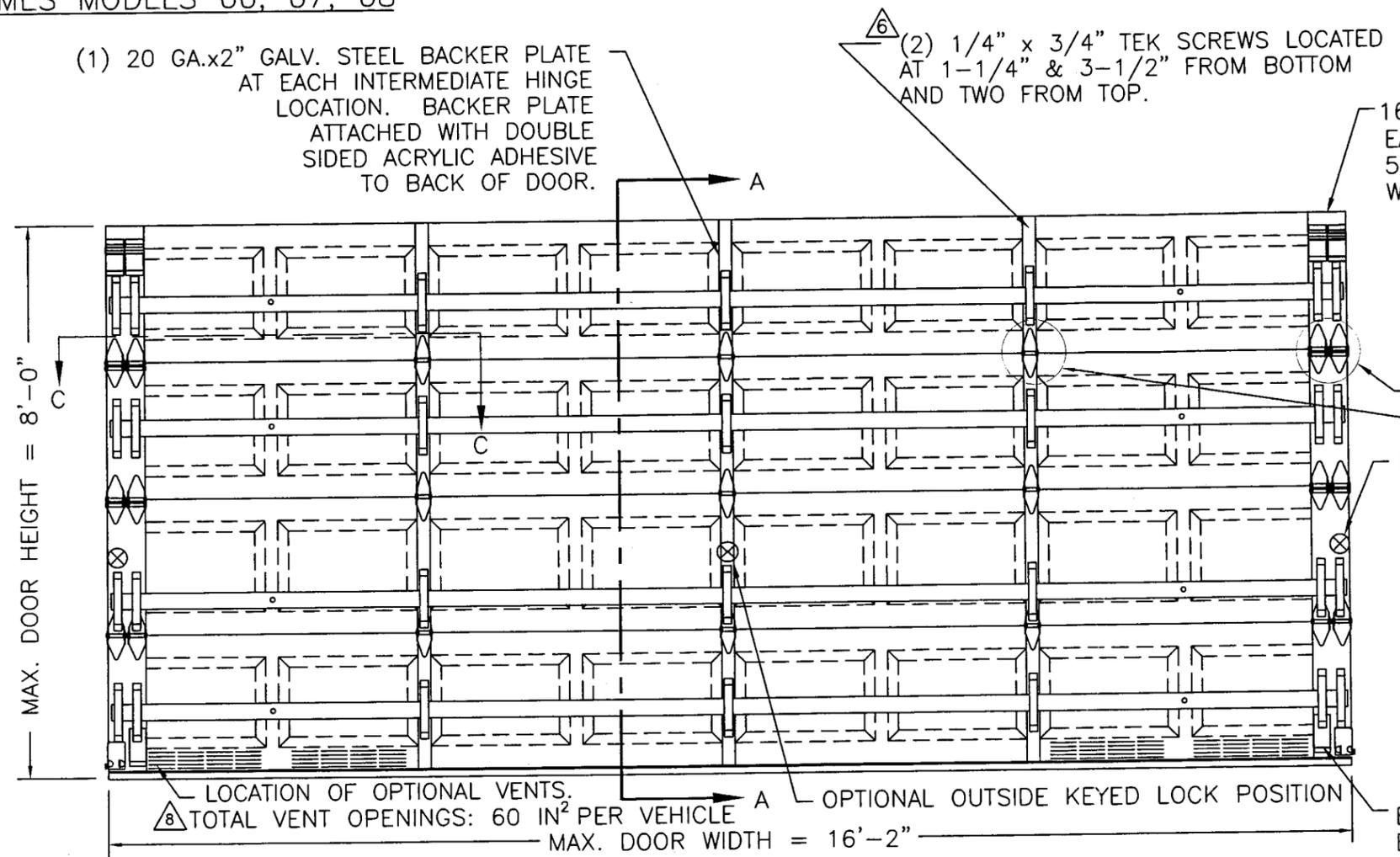
1. Code Compliance letter issued by Clipay Building Products Co. on 04/06/99, signed and sealed by M. W. Westerfield, PE.
2. Affidavit of minimum yield strength compliance prepared by R. D. Shifflett employed by Clipay Building Products Company, signed by R. D. Shifflett and notarized By S. E. Rodenhauser on 03/29/01.
3. No change letter issued by Clipay Building Products Co. on 07/15/02 and signed by M. Westerfield, PE.
4. Tensile test report and strength compliance affidavit, signed by M. Westerfield and notarized by S. E. Rodenhauser on 06/06/02.



Candido F. Font, PE.
Product Control Division
NOA No 02-0618.02
Expiration Date: September 26, 2007
Approval Date: August 29, 2002

CLOPAY MODELS 2400, 2401, 4300, 4301, 4310, 4400, 4401, HDG, HDGL
 HOLMES MODELS 66, 67, 68

REV	DATE	DESCRIPTION
4	9/96	ADD MODELS 2400 & 2401
5	12/98	DELETE M/N 2200, 2201, 4200; ADD M/N 2310
6	4/99	SCREW NOTE REV. ON PAGE 1
7	4/2001	ADD HOLMES M/N & HDGL; DEL. 2300/01/10
8	6/2001	CHANGE VENT NOTE



16 GA. DOUBLE END STILE
 EACH END STILE MEASURES
 5-3/4" x 2-1/8" x 3/8" ATTACHED
 WITH ONE #8x1/2" WAFER SCREW. \triangle

NOTE 1:
 DOORS 6'6" HIGH CONSIST OF (4)
 SECTIONS; (2) OF 21" & (2) OF 18".
 DOORS 7'0" HIGH CONSIST OF (4)
 SECTIONS; (4) OF 21".
 DOORS 7'6" HIGH CONSIST OF (5)
 SECTIONS; (5) OF 18".
 DOORS 8'0" HIGH CONSIST OF (5)
 SECTIONS; (2) OF 21" & (3) OF 18".

NOTE 2: SUPPORTING STRUCTURAL
 ELEMENTS SHALL BE DESIGNED BY A
 REGISTERED PROFESSIONAL ENGINEER FOR
 WIND LOADS SHOWN ON THIS DRAWING.

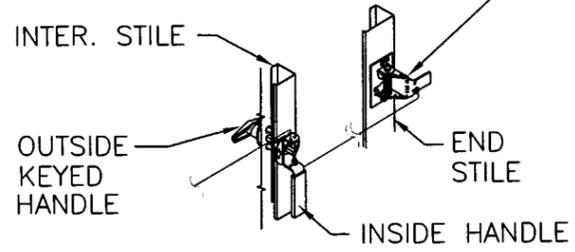
NOTE 3: LOCKING DEVICE TO CONFORM
 TO SOUTH FLORIDA BUILDING CODE.
 (SEE INSIDE ELEVATION FOR POSITION
 ON DOOR.)

LOCK POSITION
 (BOTH SIDES)
 TWO POINT LOCKING
 CONFORMS TO SFBC
 3603.2 REGARDING
 GARAGE DOORS WITH
 5/8" MIN.
 ENGAGEMENT.
 FOR BOTH OUTSIDE
 KEYED LOCKS AND
 INSIDE SLIDE BOLT
 LOCK OPTIONS, SEE
 LAYOUT OF EACH.

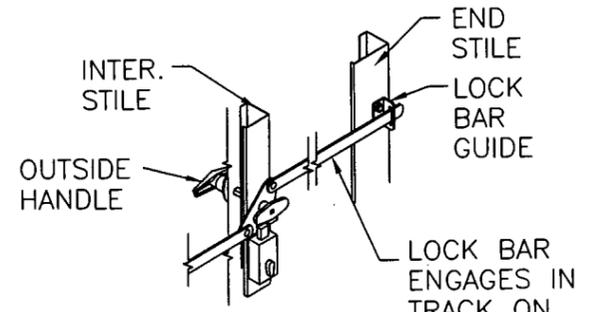
BRACKET USED FOR
 BOTTOM DOUBLE
 END STILE.

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

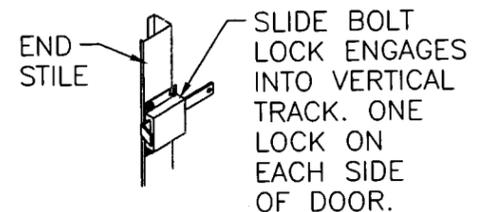
SNAP LATCH ENGAGES
 ONTO VERTICAL TRACK.
 ONE SNAP LATCH ON
 EACH SIDE OF DOOR.



OUTSIDE KEYED LOCK
 SNAP LATCH LOCK OPTION
 CONFORMS TO SFBC 3603.2



OUTSIDE KEYED LOCK
 LOCK BAR LOCKING
 CONFORMS TO SFBC 3603.2



INSIDE SLIDE BOLT
 LOCK OPTION
 CONFORMS TO SFBC 3603.2

Mark Westerfield
 8/8/02

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 According to Florida
 Experiment Station
 Report No. 02-0615-02
 09/26/07
 Miami Code Product Control
 Division

PAGE 1 OF 4

DESIGN ENGINEER
 MARK W. WESTERFIELD, P.E.
 MECHANICAL ENGINEERING
 FLORIDA REGISTRATION No. 48495



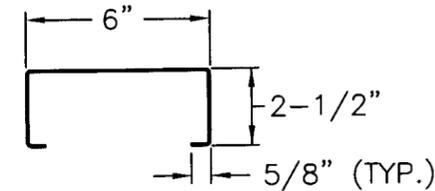
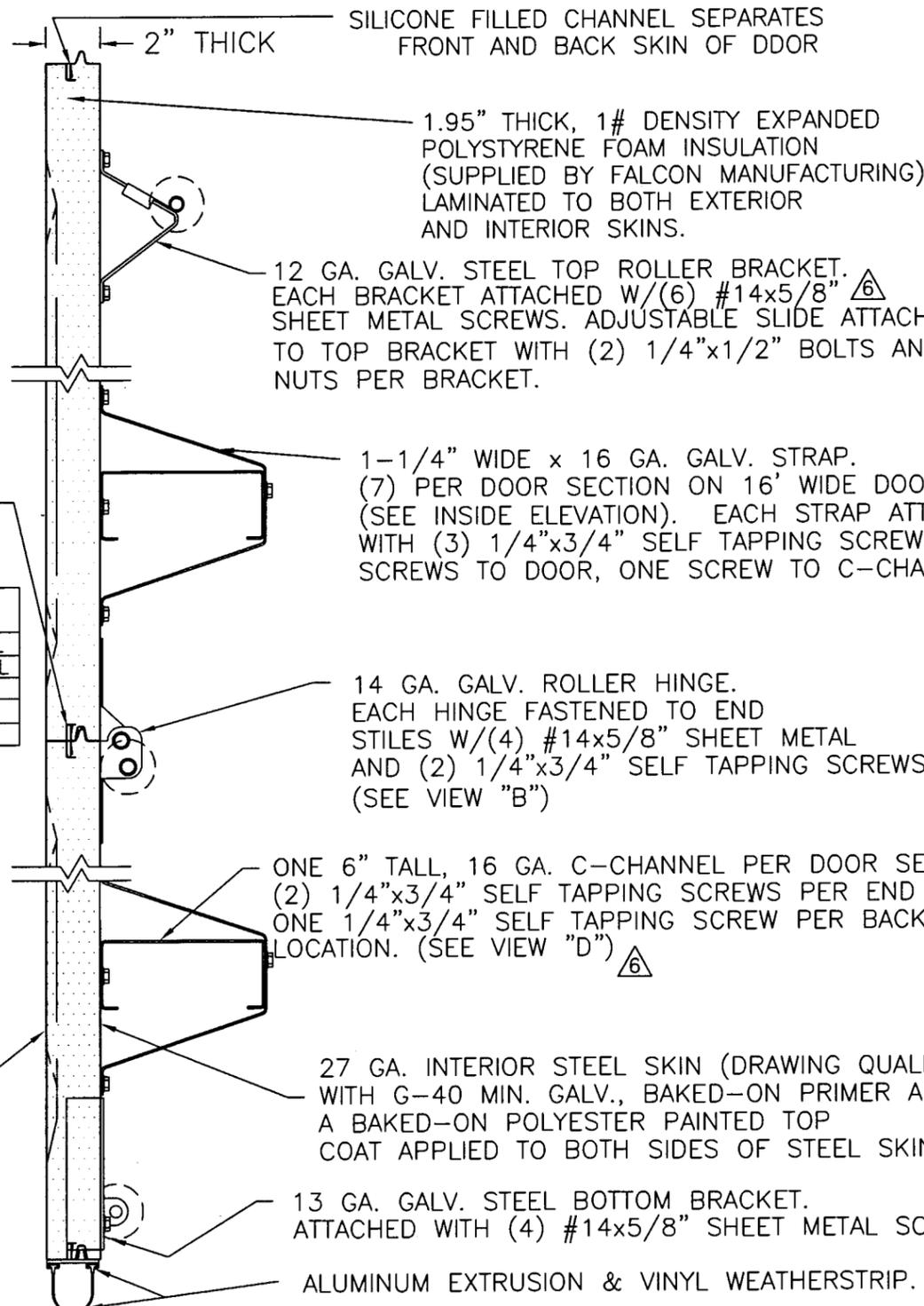
CLOPAY BUILDING PRODUCTS COMPANY
 8585 DUKE BLVD.
 MASON, OH 45040
 (513) 770-4800
 Clopay Corporation All Rights Reserved.

SCALE: NOTED	PLDT: 1=24	MAX DOOR SIZE: 16'2"W x 8'0"H
DATE: 6/7/95	DESCRIPTION: M/N 2400, HDGL, 66, 67, 68 2401, 4300, 4301, 4310, 4400, 4401, HDG	
DRAWN BY: KFH	DRAWING NUMBER: B 101488	REV: 8
CHECKED BY:		

CLOPAY MODELS 2400, 2401, 4300, 4301, 4310, 4400, 4401, HDG, HDGL
 HOLMES MODELS 66, 67, 68

REV	DATE	DESCRIPTION
2	7/96	GENERAL REVISIONS
3	8/96	CLARIFY MODEL NUMBERS
4	9/96	ADD MODELS 2400 & 2401
5	12/98	YIELD WAS 33 KSI; ADD 2310 DEL. 2200/01, 4200
6	4/99	SCREW QTY. CHANGE ON PAGE 2
7	4/2001	ADD HOLMES M/N & HDGL; DEL. 2300/01/10; G-40 MIN. WAS G-60; NEW M/N CHART
8	6/2001	CHANGES TO PAGES 1 & 4

SECTION A-A (SIDE VIEW)
 SCALE 2" = 1'



VIEW "D"
 6" TALL C-CHANNEL
 16 GA. GALV. STEEL

INSTALLER MODEL	RETAIL MODEL	DESCRIPTION
4300	HDG, 66	27 GA. EXT. SKIN; SHORT RAISED PANEL
4400	2400	24 GA. EXT. SKIN; SHORT RAISED PANEL
4401	2401	24 GA. EXT. SKIN; FLUSH PANEL
4301	68	27 GA. EXT. SKIN; FLUSH PANEL
4310	HDGL, 67	25 GA. EXT. SKIN; WIDE RAISED PANEL

TONGUE AND GROOVE JOINTS.

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

27 GA. 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.

13 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH (4) #14x5/8" SHEET METAL SCREWS.

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

DESIGN ENGINEER
 MARK W. WESTERFIELD, P.E.
 MECHANICAL ENGINEERING
 FLORIDA REGISTRATION No. 48495

Mark Westerfield
 8/18/02

PRODUCT RENEWED
 in compliance with the Florida
 Building Code
 Amendment No. 02-0618.02
 Expiration Date 09/26/07
 By: *[Signature]*
 Miami Dade Product Control
 Division

PAGE 2 OF 4

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

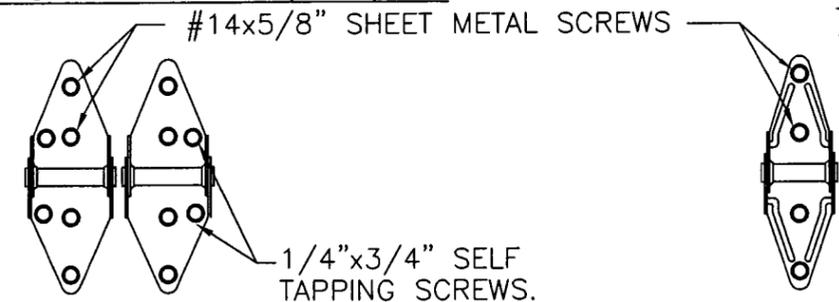
	CLOPAY BUILDING PRODUCTS COMPANY 8585 DUKE BLVD. MASON, OH 45040 (513) 770-4800		SCALE: NOTED	PLOT: 1=24	MAX DOOR SIZE: 16'2"W x 8'0"H	
	Clopay Corporation All Rights Reserved.		DATE: 7/6/95	DESCRIPTION: M/N 2400, HDGL, 66, 67, 68, 2401, 4300, 4301, 4310, 4400, 4401, HDG		
			DRAWN BY: KFH	B	DRAWING NUMBER: 101488	REV: 8
			CHECKED BY:			

CLOPAY MODELS 2400, 2401, 4300, 4301, 4310, 4400, 4401, HDG, HDGL

HOLMES MODELS 66, 67, 68

REV	DATE	DESCRIPTION
7	4/2001	ADD HOLMES M/N & HDGL; DEL. 2300/01/10
8	6/2001	CHANGES TO PAGES 1 & 4

NOTE: EITHER BRACKET MOUNT OR CONTINUOUS ANGLE TRACK MAY BE INSTALLED (AS SHOWN).



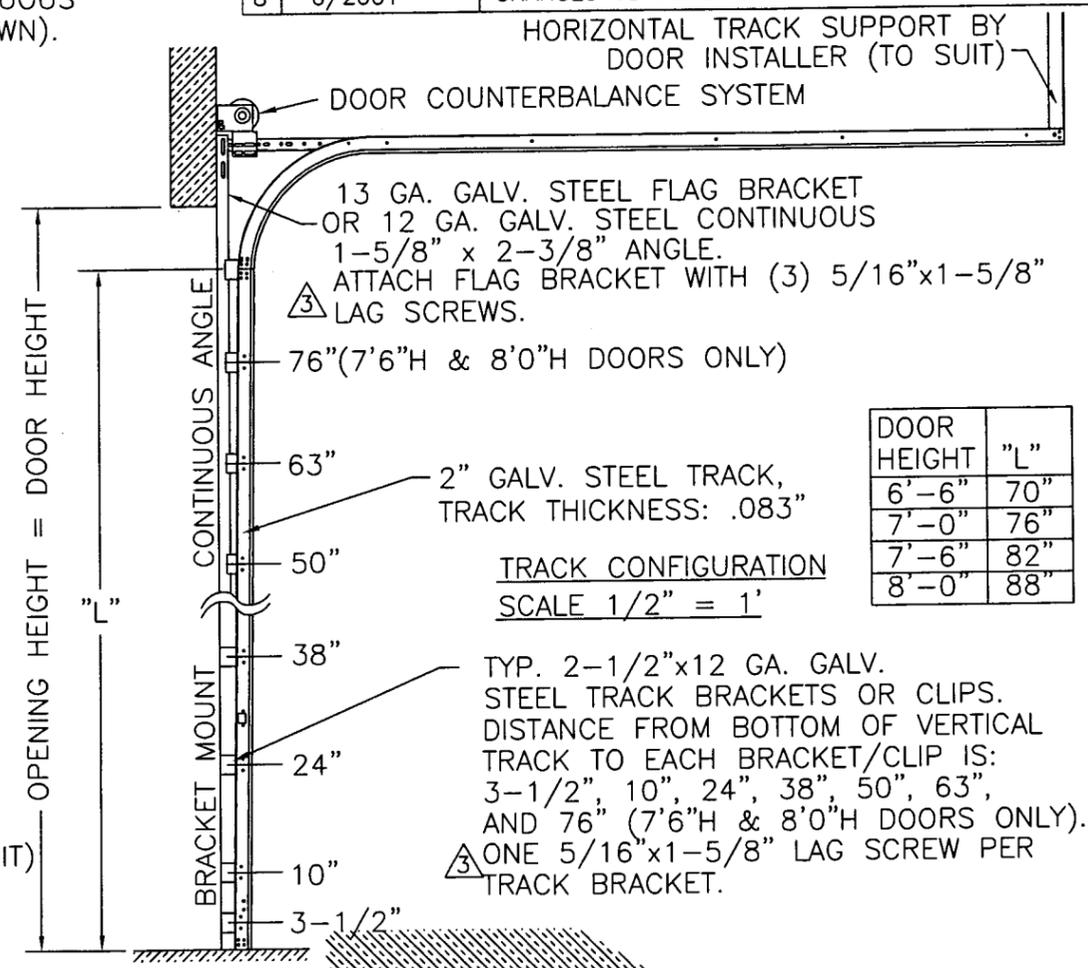
14 GA. END HINGES
SCALE 2" = 1'
VIEW "B"

18 GA. INTERMEDIATE HINGE *
SCALE 2" = 1'
VIEW "C"

* - 14 GA. INTER. HINGES USED ON 24 GA. EXTERIOR SKIN DOOR MODELS.

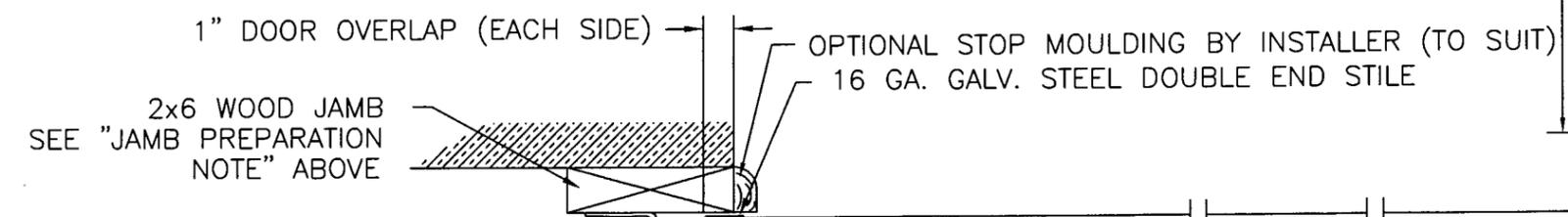
JAMB PREPARATION NOTE

TRACK SHALL BE FASTENED TO 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). PREPARATION OF JAMBS BY OTHERS. TRACK BRACKETS OR ANGLES MAY BE MOUNTED DIRECTLY TO CONCRETE USING APPROVED MASONARY FASTENERS. Δ



DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"

TRACK CONFIGURATION
SCALE 1/2" = 1'



12 GA. GALV. STEEL CONTINUOUS ANGLE FASTENED TO WOOD JAMB WITH 5/16"x1-5/8" LAG SCREWS NOT TO EXCEED 14" O.C. CONTINUOUS ANGLE MAY BE NOTCHED OUT FOR JAMB TO STRUCTURE ATTACHMENT POINTS. MIN. OF (11) LAG SCREWS ARE REQUIRED.

2" GALV. STEEL TRACK FASTENED TO 12 GA. GALV. STEEL TRACK CLIPS. TRACK ATTACHED TO EACH CLIP WITH ONE 1/4"x5/8" BOLT & NUT. EACH TRACK CLIP ATTACHED TO CONTINUOUS ANGLE WITH (2) 1/4" DIA. RIVETS PER CLIP.

7/16" PUSHNUT INSTALLED ON ROLLER SHAFT FOR UNRESTRICTED DOOR OPERATION.

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

18 GA. GALV. STEEL INTER. HINGE FASTENED W/(4) #14x5/8" SHEET METAL SCREWS.

2-1/2"x12 GA. GALV. STEEL TRACK BRACKETS FASTENED TO WOOD JAMB WITH 5/16"x1-5/8" LAG SCREWS NOT TO EXCEED 14" O.C. MIN. OF (9) LAG SCREWS REQUIRED.

2" GALV. STEEL TRACK FASTENED TO 12 GA. GALV. STEEL TRACK BRACKETS. TRACK ATTACHED TO EACH BRACKET WITH TWO 1/4" DIA. RIVETS.

DESIGN ENGINEER
MARK W. WESTERFIELD, P.E.
MECHANICAL ENGINEERING
FLORIDA REGISTRATION No. 48495

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-0618-02
Expiration Date 09/26/07
By: [Signature]
Miami Dade Product Control
Division

PAGE 3 OF 4

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

JAMB CONFIGURATION
SCALE 2" = 1'



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

SCALE: NOTED	PLOT: 1=24	MAX DOOR SIZE: 16'2"W x 8'0"H
DATE: 6/7/95	DESCRIPTION: M/N 2400, HDGL, 66, 67, 68, 2401, 4300, 4301, 4310, 4400, 4401, HDG	
DRAWN BY: MWW	DRAWING NUMBER: B 101488	REV: 8
CHECKED BY:	Clopay Corporation All Rights Reserved.	

CLOPAY MODELS 2400, 2401, 4300, 4301, 4310, 4400, 4401, HDG, HDGL
 HOLMES MODELS 66, 67, 68

2x6 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 JAMBS (GRADE 2 OR BETTER YELLOW PINE). NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
- 2) EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +2,982.4 LB & -3,328 LB. [△]
- 3) ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

WOOD FRAME BUILDINGS

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 IN BENDING (F_b). STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS AND IN ACCORDANCE WITH SFBC SECTION 2905.1.

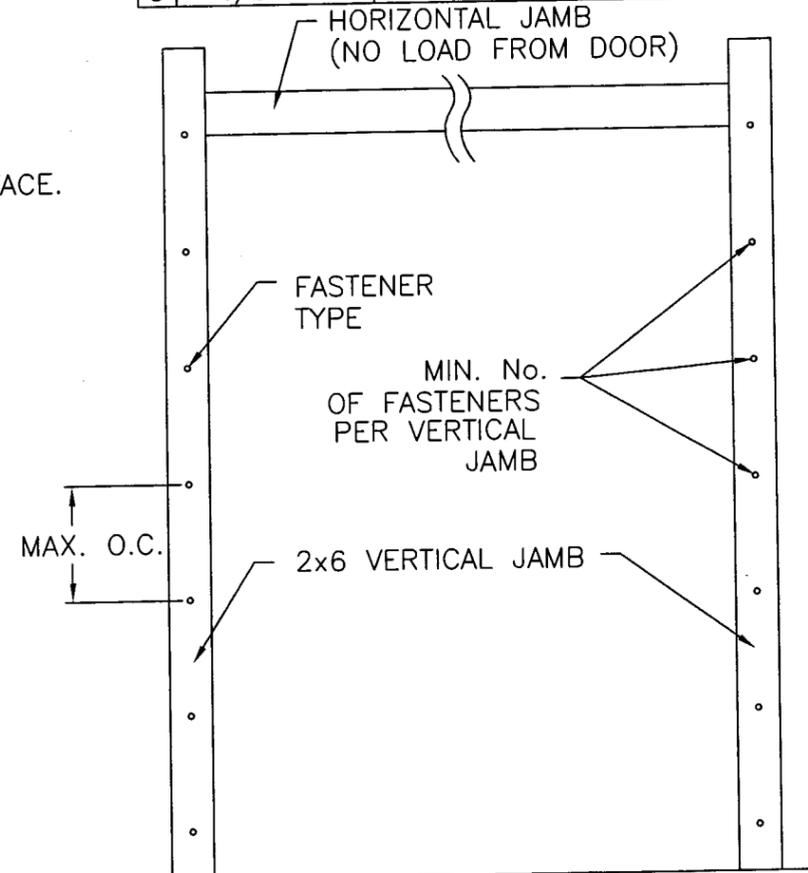
BLOCK WALL OR CONCRETE

2x6 WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH #5 BAR 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 BUILDING PROFESSIONAL OF RECORD AND IN ACCORDANCE WITH SFBC SECTION 2704.2.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

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

REV	DATE	DESCRIPTION
4	9/96	ADD MODELS 2400 & 2401
5	12/98	ADD M/N 2310; DELETE M/N 2200, 2201, 4200
6	4/99	NO CHANGES ON PAGE 4
7	4/2001	ADD HOLMES M/N & HDGL; DEL. 2300/01/10
8	6/2001	REVISED VERTICAL JAMB DESIGN LOAD NOTE 2.



BUILDING TYPE	FASTENER TYPE	MIN. No. OF FASTENERS PER VERTICAL JAMB		MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
		7'H	8'H		
WOOD FRAME (SOUTHERN PINE)	5/16" x 3" LAG SCREW (ASTM A307, GRADE A). 1-5/8" MIN. EMBED	10	11	10"	YES
C-90 BLOCK (2,000 PSI GROUT)	1/4" x 4" ITW TAPCON CONCRETE ANCHOR. MIN. 1-3/4" EMBED #	10	11	10"	YES
C-90 BLOCK (2,000 PSI GROUT)	3/8" x 4" RAWL LOK/BOLT ANCHOR BOLT (5000 SERIES). 1-5/8" EMBED #	9	10	11"	NO
CONCRETE COLUMN (2,000 PSI)	3/8" x 4" RAWL LOK/BOLT ANCHOR BOLT (5000 SERIES). 1-5/8" EMBED #	9	10	11"	NO

- TAPCONS/ANCHOR BOLTS CAN BE INSTALLED DIRECTLY THROUGH TRACK BRACKETS/ANGLE IN LIEU OF 5/16"x1-5/8" LAG SCREWS (SEE PAGE 3).
 RAWL LOK/BOLT SHALL BE TORQUED AS SPECIFIED BY THE RAWL PLUG COMPANY.

[△]

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 02-0616.02 Expiration Date 09/26/07
 By: [Signature] Miami Dade Product Control Division

DESIGN ENGINEER
 MARK W. WESTERFIELD, P.E.
 MECHANICAL ENGINEERING
 FLORIDA REGISTRATION No. 48495

PAGE 4 OF 4

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

[Signature] 8/18/02



CLOPAY BUILDING PRODUCTS COMPANY
 8585 DUKE BLVD.
 MASON, OH 45040
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SCALE: NOTED	PLDT: 1=24	MAX DOOR SIZE: 16'2"W x 8'0"H
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