



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Clopay Building Products Co.
4800 Interstate Drive
Cincinnati, OH 45246

Your application for Notice of Acceptance (NOA) of:
2" EPS Sectional Door To 16'-2" Wide

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0430.06
EXPIRES: 09/26/2002

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 07/26/2001



NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This revises the Notice of Acceptance No. 99-0126.01 that was issued on 05/13/99. It approves a sectional steel garage door as described in Section 2 of this Notice of Acceptance (NOA), designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County. For the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

The **Clopay Garage Door** and its components shall be constructed in strict compliance with the following documents: Drawing No. 101488, titled "M/N 2400, HDGL, 66, 67, 68, 2401, 4300, 4301, 4310, 4400, 4401, HDG" prepared by Clopay Building Products Co., drawn on 06/07/95 with latest revision on 06/2001, sheet 1 through 4 of 4. They bear 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

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 specimens 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.

4. INSTALLATION

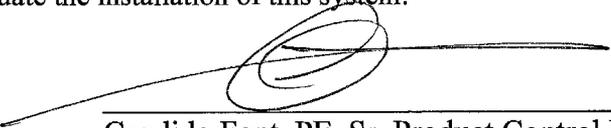
- 4.1 The sectional steel garage door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 The installation of this door does **not require** a hurricane protection system.
- 4.3 Units with dimensions equal to or smaller than those shown in the approved drawing shall qualify under this approval.

5. LABELING

Each door shall bear a **permanent** label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 This Notice of Acceptance.
 - 6.1.2 Duplicate copies of the approved drawings as identified in Section 2 of this NOA, clearly marked to show the components selected for the proposed installation.
 - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Candido Font, PE. Sr. Product Control Examiner
Product Control Division

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



Candido Font, PE. Sr. Product Control Examiner
Product Control Division

Clopay Building Products Company.

ACCEPTANCE No: 01-0430.06

APPROVED: JUL 26 2001

EXPIRES: 09/26/2002

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. *Drawing prepared by Clopay 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 of large missile impact test per PA 201, cyclic wind pressure test per PA 203 and uniform static air pressure test per PA 202 on "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. Mangnall, PE.*
4. *Surface Burning Characteristics letter reference No. R6705, 96NK12530, prepared by Underwriters Laboratories, Inc., dated 05/24/96, signed by J. D. Marzullo.*

E. STATEMENTS.

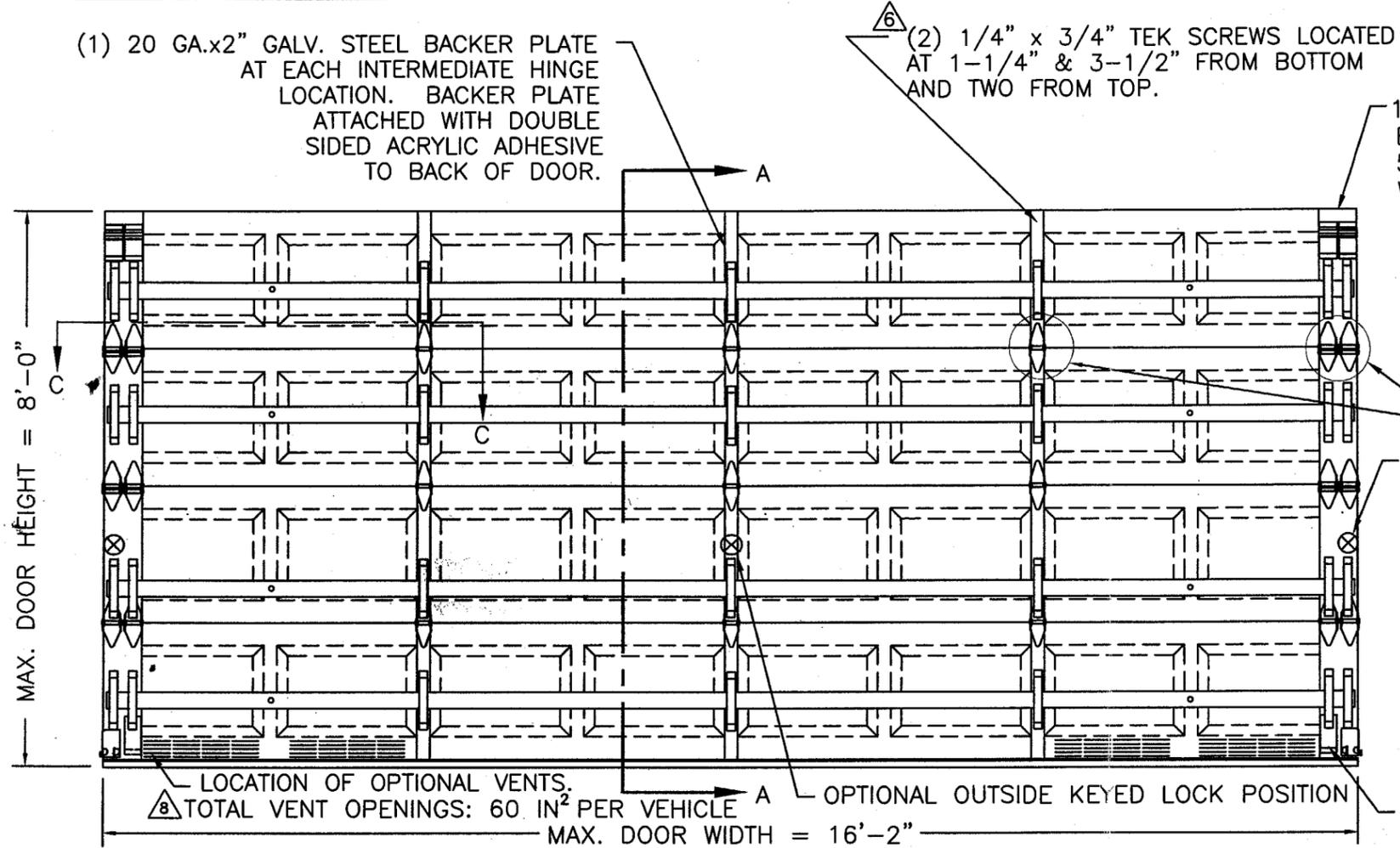
1. *Affidavit of minimum yield strength compliance prepared by R. D. Shifflett employed by Clopay Building Products Company, signed by R. D. Shifflett and notarized by S. E. Rodenhauser on 03/29/01.*
2. *Letter of code compliance prepared by Clopay Building Products Co. on 04/06/99, signed and sealed by M. W. Westerfield PE.*



Candido Font, PE. Sr. Product Control Examiner
Product Control Division

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"x2-1/8"x3/8" ATTACHED
 WITH ONE #8x1/2" WAFER SCREW.

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".

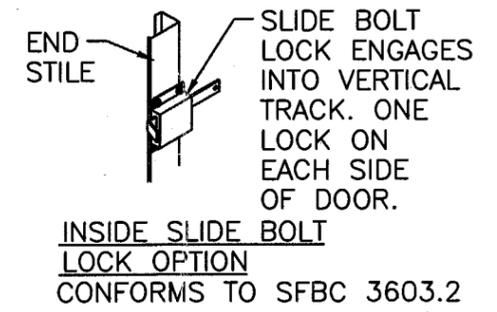
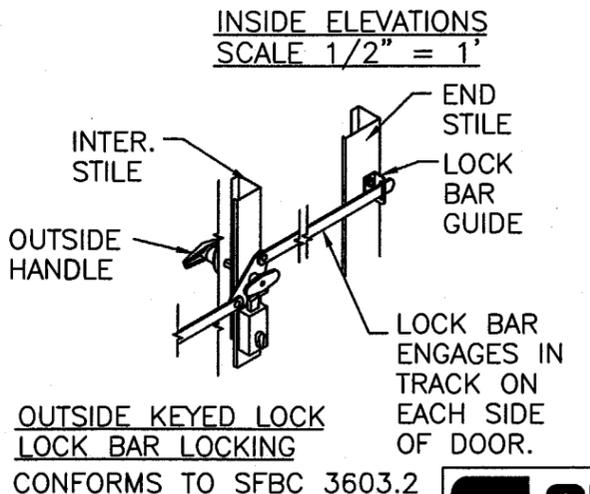
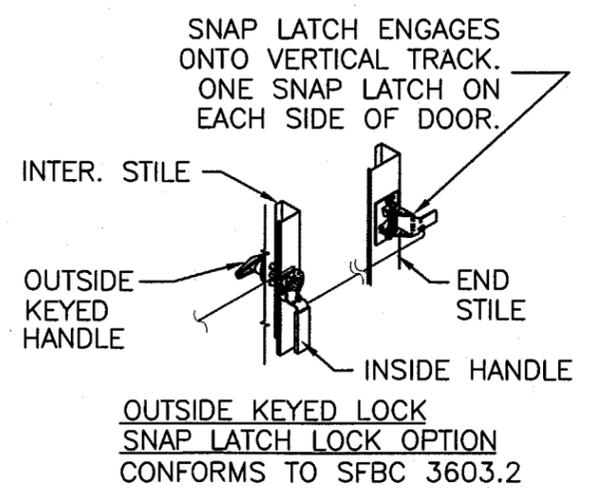
NOTE 2: SUPPORTING STRUCTURAL
 ELEMENTS SHALL BE DESIGNED BY A
 REGISTERED PROFESSIONAL ENGINEER FOR
 WIND LOADS SHOWN ON THIS DRAWING.

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.



APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE **JUL 26 2001**
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0430.06

[Signature] 6/18/2001
 PAGE 1 OF 4

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



CLOPAY BUILDING PRODUCTS COMPANY
 312 WALNUT STREET, SUITE 1600
 CINCINNATI, OHIO 45202
 (513) 381-4800

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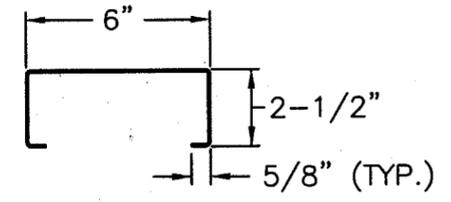
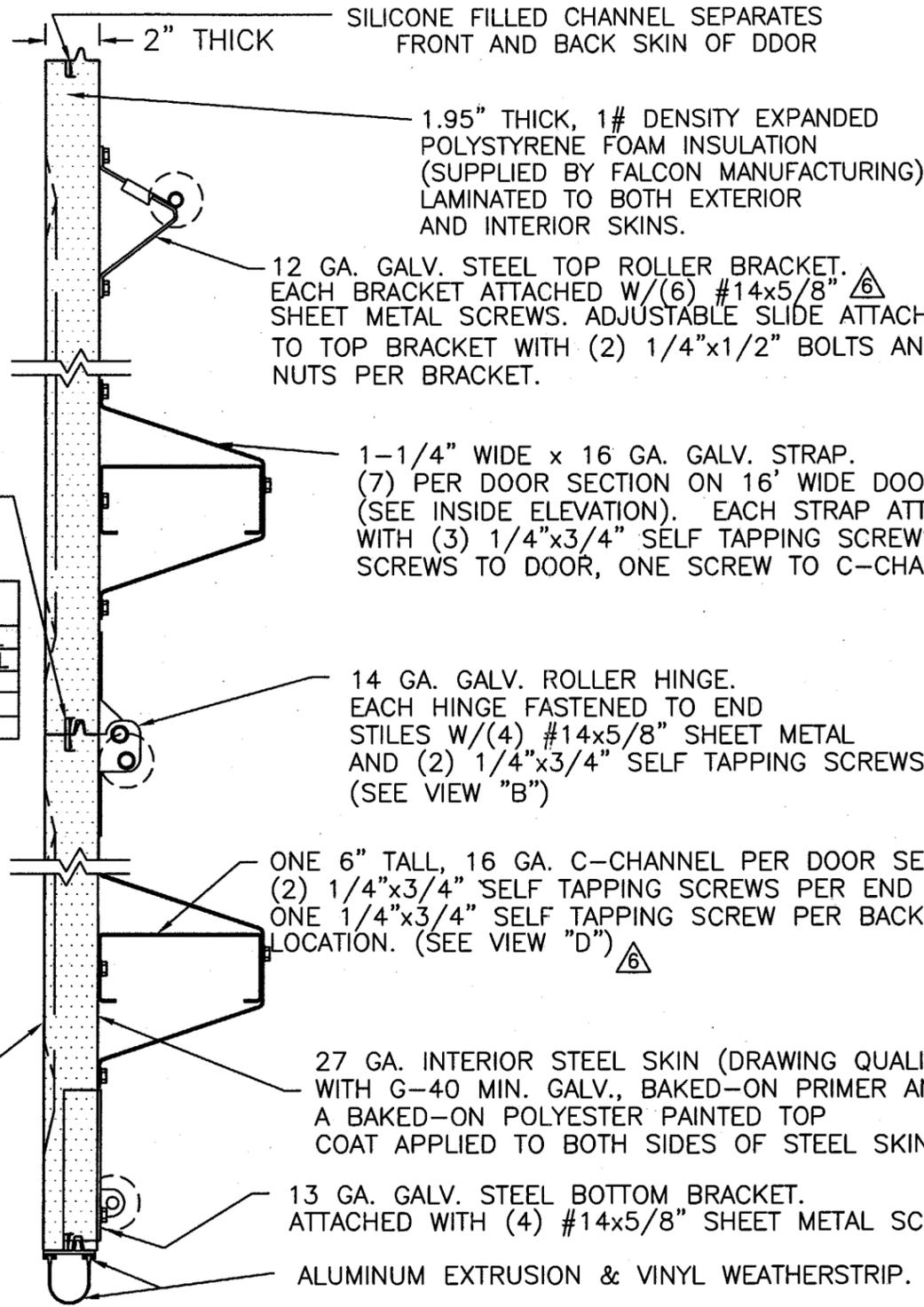
SCALE: NOTED
 DATE: 6/7/95
 DRAWN BY: KFH
 CHECKED BY:

PLDT: 1=24	MAX DOOR SIZE: 16'2"W x 8'0"H
DESCRIPTION: M/N 2400, HDGL, 66, 67, 68, 2401, 4300, 4301, 4310, 4400, 4401, HDG	
DRAWING NUMBER: B 101488	REV: 8

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

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.

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

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUL 26 2001
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0430.06

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

Mark Westerfield 6/18/2001



CLOPAY BUILDING PRODUCTS COMPANY
 312 WALNUT STREET, SUITE 1600
 CINCINNATI, OHIO 45202
 (513) 381-4800

SCALE: NOTED

DATE: 7/6/95

DRAWN BY: KFH

CHECKED BY:

PLOT: 1=24

MAX DOOR SIZE:
 16'2"W x 8'0"H

DESCRIPTION: M/N 2400, HDGL, 66, 67, 68,
 2401, 4300, 4301, 4310, 4400, 4401, HDG

DRAWING NUMBER: B 101488

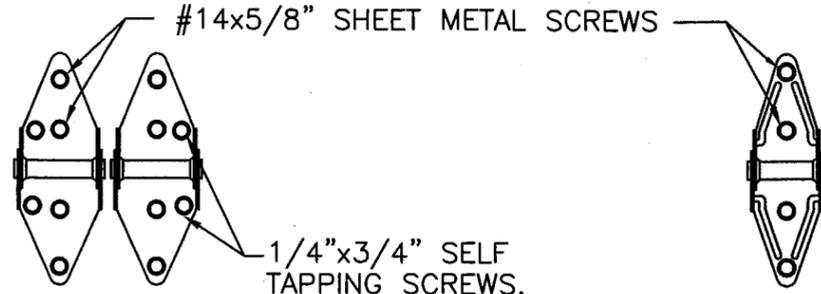
REV: 8

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*

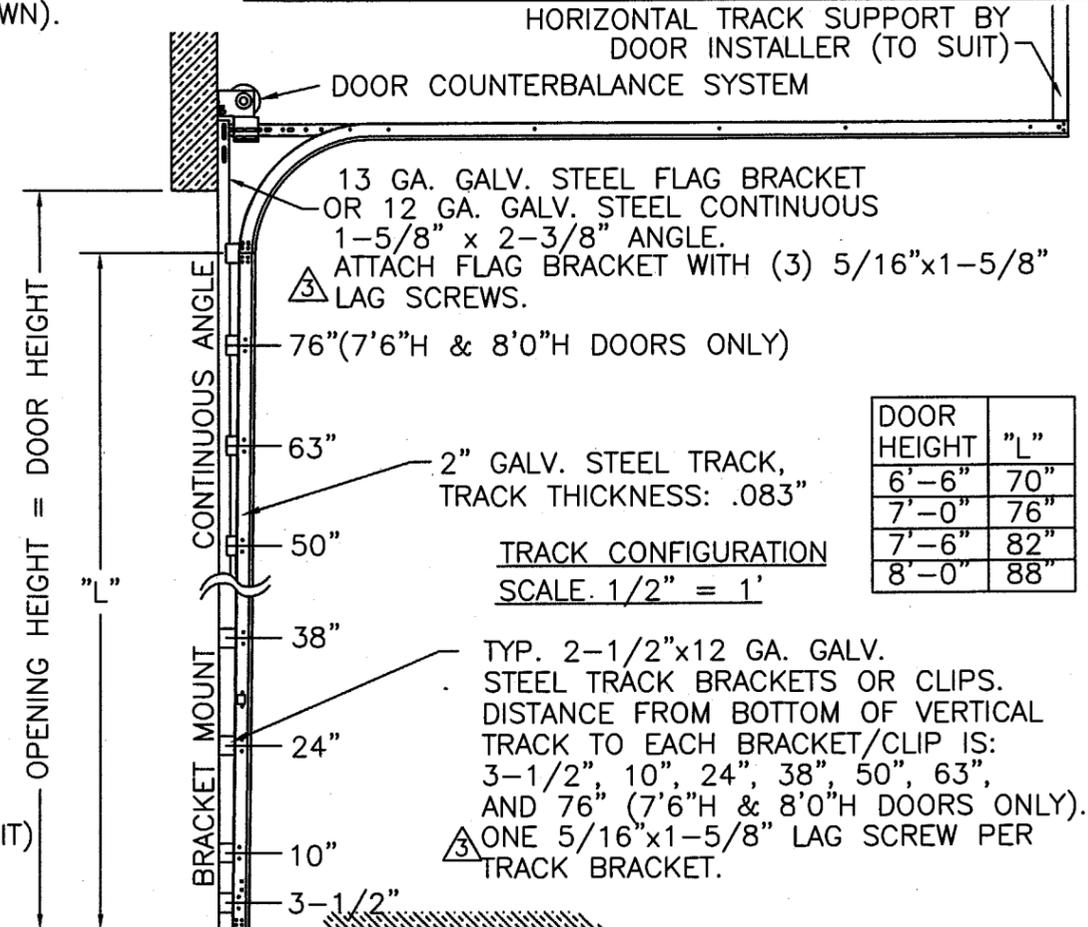
SCALE 2" = 1'

VIEW "C"

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

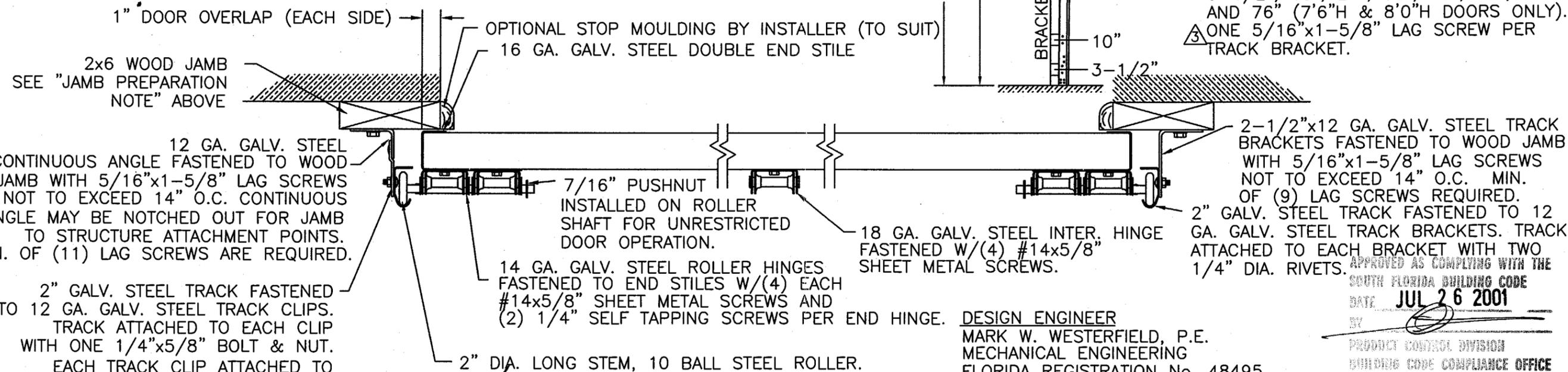
JAMB PREPARATION NOTE

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 MASONRY FASTENERS. Δ



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

TRACK CONFIGURATION SCALE 1/2" = 1'



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

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUL 26 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0430.00

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
312 WALNUT STREET, SUITE 1600
CINCINNATI, OHIO 45202
(513) 381-4800

SCALE: NOTED
DATE: 6/7/95
DRAWN BY: MWW
CHECKED BY:

PLOT: 1=24	MAX DOOR SIZE: 16'2"W x 8'0"H
DESCRIPTION: M/N 2400, HDGL, 66, 67, 68, 2401, 4300, 4301, 4310, 4400, 4401, HDG	DRAWING NUMBER: 101488
REV: 8	

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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.

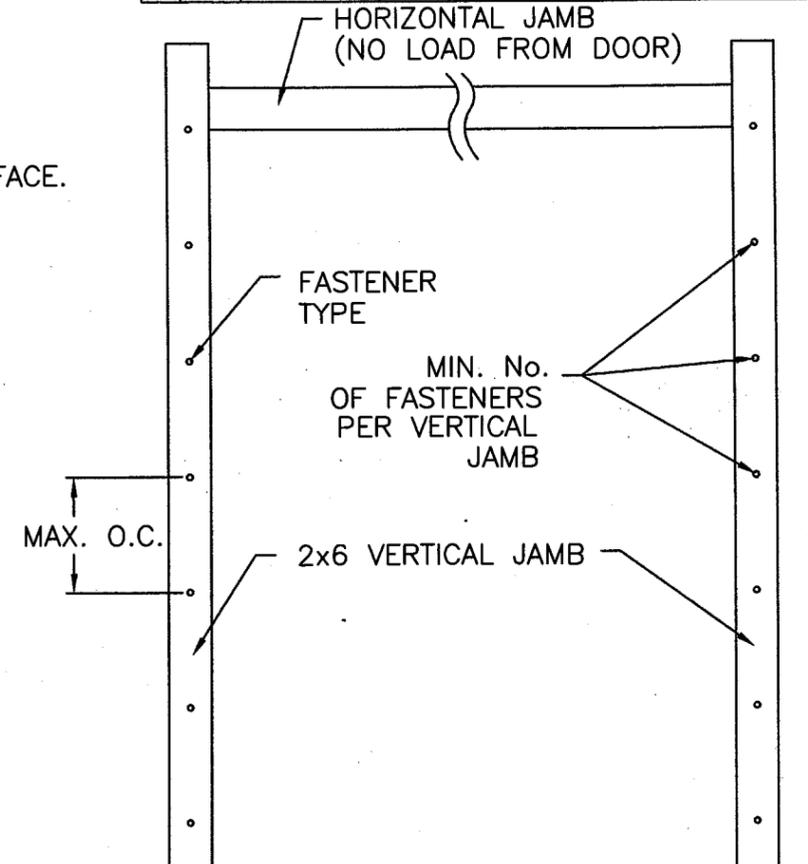
BLOCK WALL OR CONCRETE

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.

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

[△] APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE JUL 26 2001
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0930.06

PAGE 4 OF 4

Mark Westerfield
 6/18/2001

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



CLOPAY BUILDING PRODUCTS COMPANY
 312 WALNUT STREET, SUITE 1600
 CINCINNATI, OHIO 45202
 (513) 381-4800

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SCALE: NOTED	PLDT: 1=24	MAX DOOR SIZE: 16'2"W x 8'0"H
DATE: 7/6/95	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:		