



**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'- 2" Wide.

APPROVAL DOCUMENT: Drawing No. 102066, titled "Holmes Models 48W8 & 49W8 Max Size: 16'2" x 8'0""", dated 12/06/99 & 01/25/00 with last revision on January 2001, sheets 1 and 2, prepared by Clopay Building Products, signed and sealed by M. 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 38,000 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 revises NOA # 01-0130.13 consists of this page 1 as well as the approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font PE.**



**NOA No 03-0114.01
Expiration Date: April 21, 2008
Approval Date: March 27, 2003
Page 1**

Clopay Building Products Co.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. *Drawing prepared by Clopay Building Products Company, titled "Holmes Door Brand", Drawing No.102066, dated 12/06/99 & 01/25/00, with last revision on 01/2001, sheets 1 through 2 of 2, signed and sealed by M. W. Westerfield, PE.*

B. TESTS

1. *Test report of large missile impact test PA 201 and cyclic wind pressure test PA 203 on "24 GA Steel Garage Door", prepared by Hurricane Engineering & Testing, Inc., report No. HETI 99-408, dated 01/25/95, signed and sealed by H. M. Medina, PE.*
2. *Test report of uniform static air pressure test PA 202 on a "24 GA. sectional garage door", prepared by Hurricane Engineering & Testing, Inc., report No HETI-99-407, dated 01/24/95, signed and sealed by H. M. Medina, PE.*
3. *Test report of force entry test on " 24 GA Steel Garage Door", prepared by Hurricane Engineering & Testing, Inc., report No. HETI 95-407f, dated 01/25/95, signed and sealed by H. M. Medina, PE.*

C. CALCULATIONS

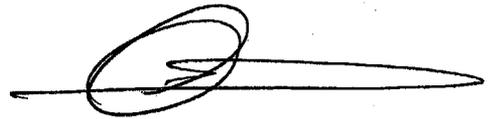
1. *Calculations dated 01/20/95; pages 1 through 2, prepared by M. W. Westerfield, signed and sealed by M. W. Westerfield, PE.*
2. *Calculations dated 02/24/95; page 1 of 1, prepared by M. W. Westerfield, signed and sealed by M. W. Westerfield, PE.*

D. MATERIAL CERTIFICATIONS

1. *Tensile test report No. HETI 94-T59, prepared by Hurricane Engineering & Testing, Inc., dated 02/06/95, signed and sealed by H. M. Medina, PE.*
2. *Salt Spray Exposure test report No. MTS 258592, prepared by Celotex Corporation Testing Services, dated 08/17/98, signed and sealed by R. G. Miller, PE.*
3. *Salt Spray Exposure test report No. 9EM-1144, prepared by Q.C. Metallurgical, Inc., dated 08/03/99, signed and sealed by F. E. Grate, PE.*

E. STATEMENTS.

1. *Letter confirming that the Holmes brand door and Clopay brand door have the same design and both are manufacturer by Clopay Building Products Company. The letter is issued by Clopay Building Products Company, dated 01/27/00 and signed by M. Westerfield, PE.*
2. *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 B. H. Schuler y on 01/11/01*
3. *No change letter issued by Clopay Building Products Co. on 01/06/03 signed and sealed by M. Westerfield, PE.*



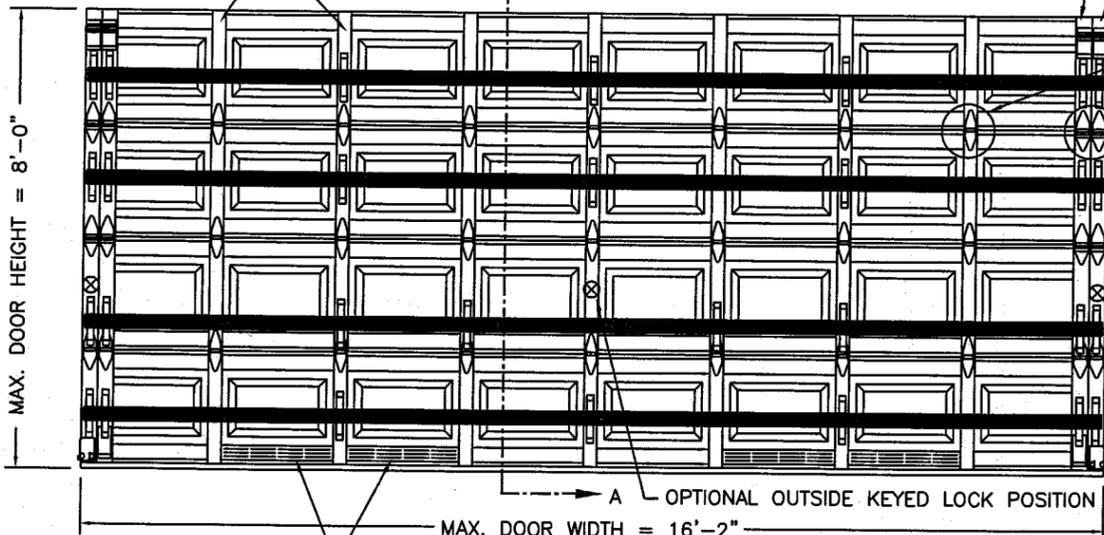
Candido F. Font, PE.
Senior Product Control Division
NOA No 03-0114.01
Expiration Date: April 21, 2008
Approval Date: March 27, 2003

HOLMES MODELS 48W8 & 49W8

18 GA. GALV. DOUBLE END STILES ATTACHED TO TOP AND BOTTOM RAIL WITH PATENTED TOG-L-LOC SYSTEM.

ONE INTERMEDIATE STILE BETWEEN EACH EMBOSS LOCATION. ATTACHED W/ PATENTED TOG-L-LOC SYSTEM (TOP & BOT) AND URETHANE ADHESIVE (ALONG CENTER)

16 GA. PAINTED END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM & CENTER).



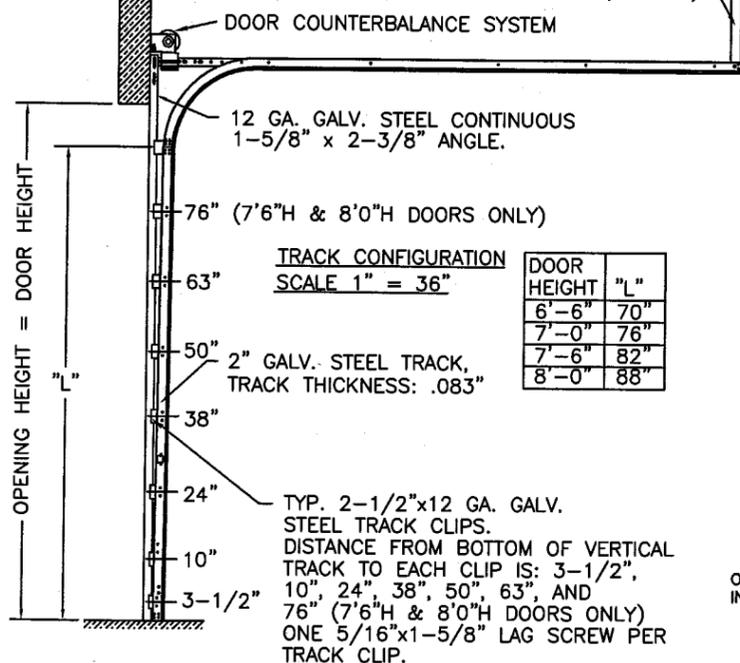
LOCATION OF OPTIONAL VENTS AREA OF VENTS NOT TO EXCEED 60 SQ. INCHES BETWEEN STILES

MAX. DOOR WIDTH = 16'-2"
INSIDE ELEVATIONS
SCALE 1" = 18"

DEALER MODEL	RETAIL MODEL	DESCRIPTION
49W8	48W8	WOODGRAIN TEXTURE, RAISED PANEL, PAINTED/GALV. INTER. STILES

NOTE: DOORS UP TO 7'-0" HIGH CONSIST OF (4) SECTIONS (SHOWN). DOORS OVER 7'-0" HIGH CONSIST OF (5) SECTIONS (NOT SHOWN).

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT)



TRACK CONFIGURATION SCALE 1" = 36"

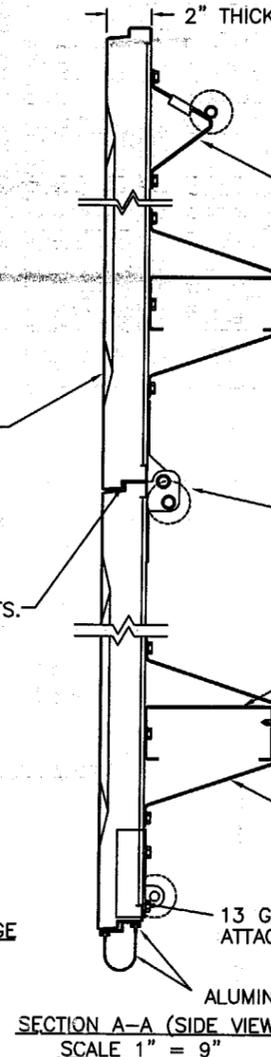
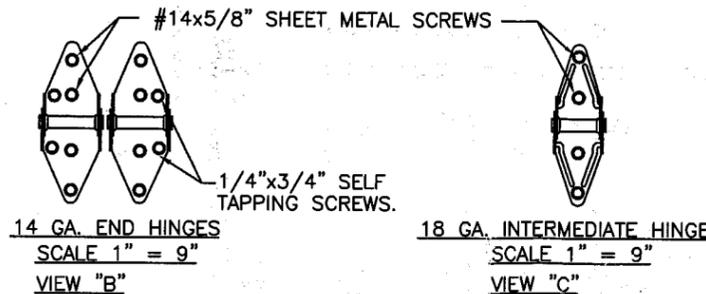
DOOR HEIGHT "L"	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"

TYP. 2-1/2"x12 GA. GALV. STEEL TRACK CLIPS. DISTANCE FROM BOTTOM OF VERTICAL TRACK TO EACH CLIP IS: 3-1/2", 10", 24", 38", 50", 63", AND 76" (7'6"H & 8'0"H DOORS ONLY) ONE 5/16"x1-5/8" LAG SCREW PER TRACK CLIP.

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

24 GA. DDS STEEL (MIN. YIELD STRENGTH: 38 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).

SHIP LAP JOINTS.



12 GA. GALV. STEEL TOP ROLLER BRACKET. 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.

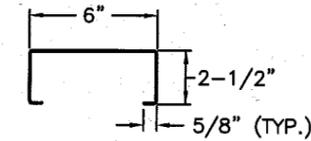
14 GA. GALV. ROLLER HINGE. EACH HINGE FASTENED TO END STILES W/(4) #14x5/8" SHEET METAL AND (4) 1/4"x3/4" SELF TAPPING SCREWS. (SEE VIEW "B")

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, EXCEPT (8) STRAPS ON 2ND 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).

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

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.



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

PRODUCT RENEWED as complying with the Florida Building Code
Amendments No. 03-014.01
Expiration Date 04/21/2008
By: [Signature]
Miami Dade Product Control Division

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

MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495
NORTH CAROLINA P.E. #23832

Third Angle Projection

Unless Stated Otherwise TOLERANCES are

.0	= ±.03
.00	= ±.015
.000	= ±.005
.0000	= ±.001
Degrees	= ±1/2°

Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

CLOPAY BUILDING PRODUCTS COMPANY	8585 DUKE BLVD. MASON, OH 45040 (513) 770-4800	HOLMES DOOR BRAND	
DESCRIPTION: HOLMES MODELS 48W8 & 49W8 MAX SIZE: 16'2" x 8'0"			
DRAWN BY: NJE	DATE: 12/6/99	SCALE:	DWG. SIZE B
CHECKED BY: MWW	DATE: 01/25/00	SHEET 1 OF 2	
DWG. NO.: 102066	REV. NO. 1		

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

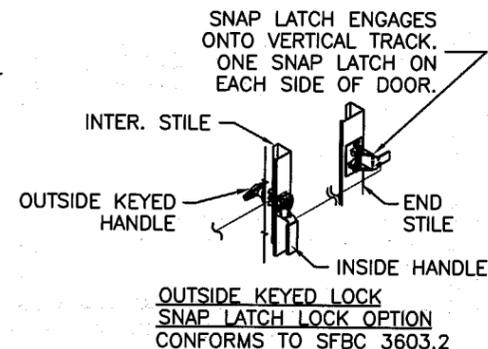
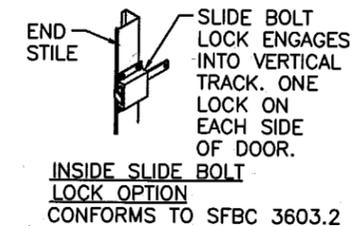
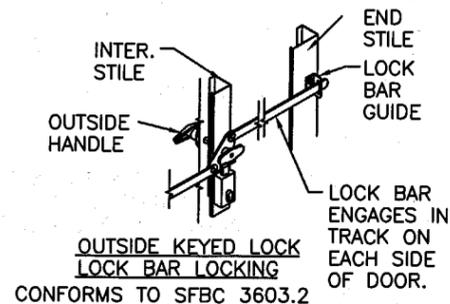
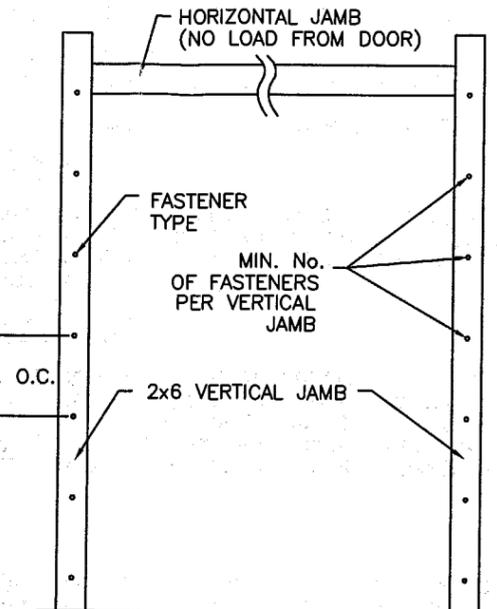
2x6 WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING INTO THE FOOTING AND INTO TIE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN. BLOCK 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 ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MIN. No. OF FASTENERS PER VERTICAL JAMB	MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
WOOD FRAME	1/2" x 3" EMBED LAG SCREW (ASTM A307, GRADE A)	6	16"	YES
BLOCK WALL OR CONCRETE	1/4" x 1-3/4" MIN. EMBED TAPCON CONCRETE ANCHOR	9	10"	YES
BLOCK WALL OR CONCRETE	3/8" x 1-3/4" MIN. EMBED RAWL-STUD EXPANSION ANCHOR (7400 SERIES)	5	19"	NO
BLOCK WALL OR CONCRETE	3/8" x 1-3/4" MIN. EMBED RAWL LOK/BOLT ANCHOR BOLT (5000 SERIES)	6	16"	NO

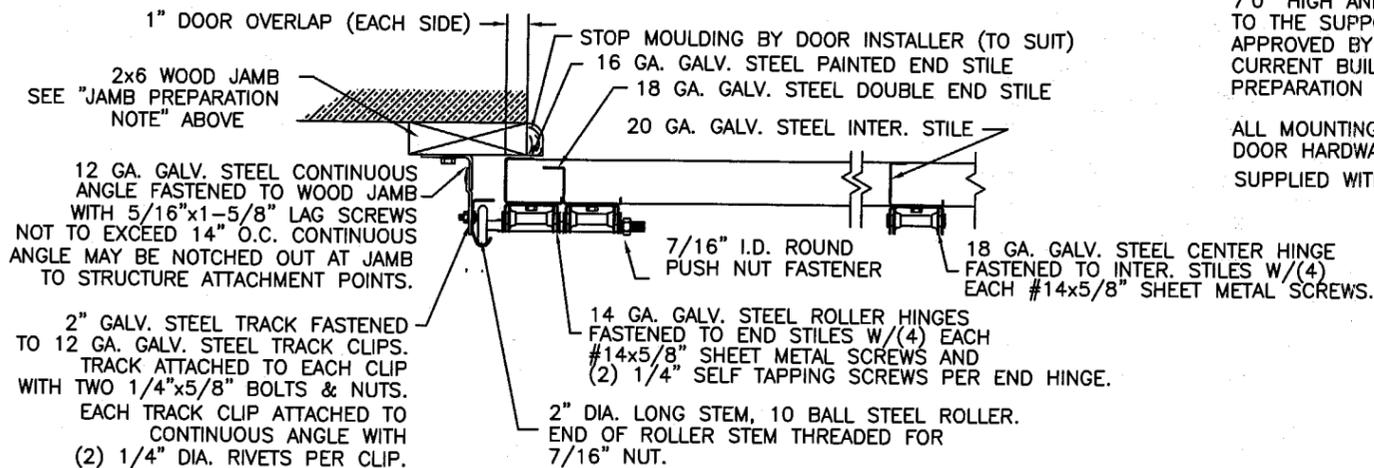
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 3", EXCLUDING STUCCO THICKNESS. CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.



JAMB PREPARATION NOTE

EACH CONTINUOUS ANGLE TRACK SHALL BE FASTENED TO PRESSURE TREATED 2x6 YELLOW PINE WOOD JAMBS WITH 5/16"x1-5/8" LAG SCREWS (12) LAG SCREWS PER SIDE UP TO 7'0" HIGH AND (13) LAG SCREWS PER SIDE UP TO 8'0" HIGH). THE METHOD OF ATTACHMENT TO THE SUPPORTING STRUCTURE OF THE PRESSURE TREATED 2x6 WOOD JAMBS SHALL BE APPROVED BY THE PROFESSIONAL OF RECORD FOR THE STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING. PREPARATION OF JAMBS BY OTHERS.

ALL MOUNTING OF TRACK, ANGLES, HORIZONTAL TRACK SUPPORTS, AND ALL OTHER DOOR HARDWARE TO BE INSTALLED PER CLOPAY INSTALLATION INSTRUCTIONS SUPPLIED WITH DOOR SYSTEM UNLESS OTHERWISE NOTED.



JAMB CONFIGURATION

ORIGINAL DRAWINGS ARE SIGNED IN BLUE INK WITH A RAISED SEAL (EMBOSS).

MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495
NORTH CAROLINA P.E. #23832

Third Angle Projection

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DWG. NO.: 102066	REV. NO. 1		

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

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 03-0114.01 Expiration Date 04/21/2008 By [Signature] Miami Dade Product Control Division

[Signature] 1/6/03