



MIAMI-DADE COUNTY
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)

Overhead Door Corporation.
1900 Crown Drive.
Farmers Branch, Texas 75234

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 9'-0" Wide.

APPROVAL DOCUMENT: Drawing No. D410129 sheets 1 & 2 and D410128 sheet 1, titled "Windload 188, 60 PSF, 9'-0" Max Dade & Jamb Detail Residential Dade ", dated 05/14/03 with last revision on 06/19/03, prepared by Overhead Door, signed and sealed by L. G. Krupke, 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 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.

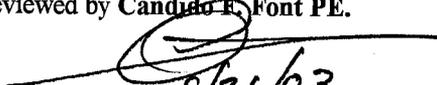
LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panels under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County approved laboratory selected and paid by the manufacturer. 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 50,000 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 consists of this page 1 as well as the approval document mentioned above.

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


 8/21/03



NOA No 03-0213.15
Expiration Date: August 21, 2008
Approval Date: August 21, 2003

Overhead Door Corporation.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA)

A. DRAWINGS

1. *Drawing prepared by Overhead Door Corporation, titled "Windload 188, 60 psf, 9'-0" Max Dade & Jamb Detail, Residential Dade", Drawing No.D-410129 sheet 1 & 2 and D410128 sheet 1, dated 05/14/03, with latest revision on 06/19/03, signed and sealed by L. G Krupke, PE.*

B. TESTS

1. *Test report of large missile impact test per PA 201 and cyclic wind pressure test per PA 203 on 9'w x 7'h Sectional Residential Door model 188, prepared by Hurricane Engineering & Testing, Inc, report No. HETI 02-1247B, dated 08/28/02, signed and sealed by R.E. Droz-Seda, PE.*
2. *Test report of uniform static air pressure test per PA 202 on 9w x -7"h Sectional Residential Door model 188, prepared by Hurricane Engineering & Testing, Inc report No. HETI 02-1247A, dated 08/27/02, signed and sealed by R. E. Droz-Seda, PE.*

C. CALCULATIONS
NONE

D. MATERIAL CERTIFICATIONS

1. *Tensile test report No. HETI 02-T074 ,on steel skin prepared by Hurricane Engineering & Testing Inc, dated 09/25/02, signed and sealed by R..E. Droz-Seda, PE.*
2. *Tensile test report No. HETI 02-T078, on HS struts steel material prepared by Hurricane Engineering & Testing Inc, dated 09/26/02, signed and sealed by R.E. Droz-Seda, PE.*

E. STATEMENTS.

1. *Letter of code compliance and No financial interest, prepared by Overhead Door Corporation. on 01/31/03 signed and sealed by L. Krupke, PE.*

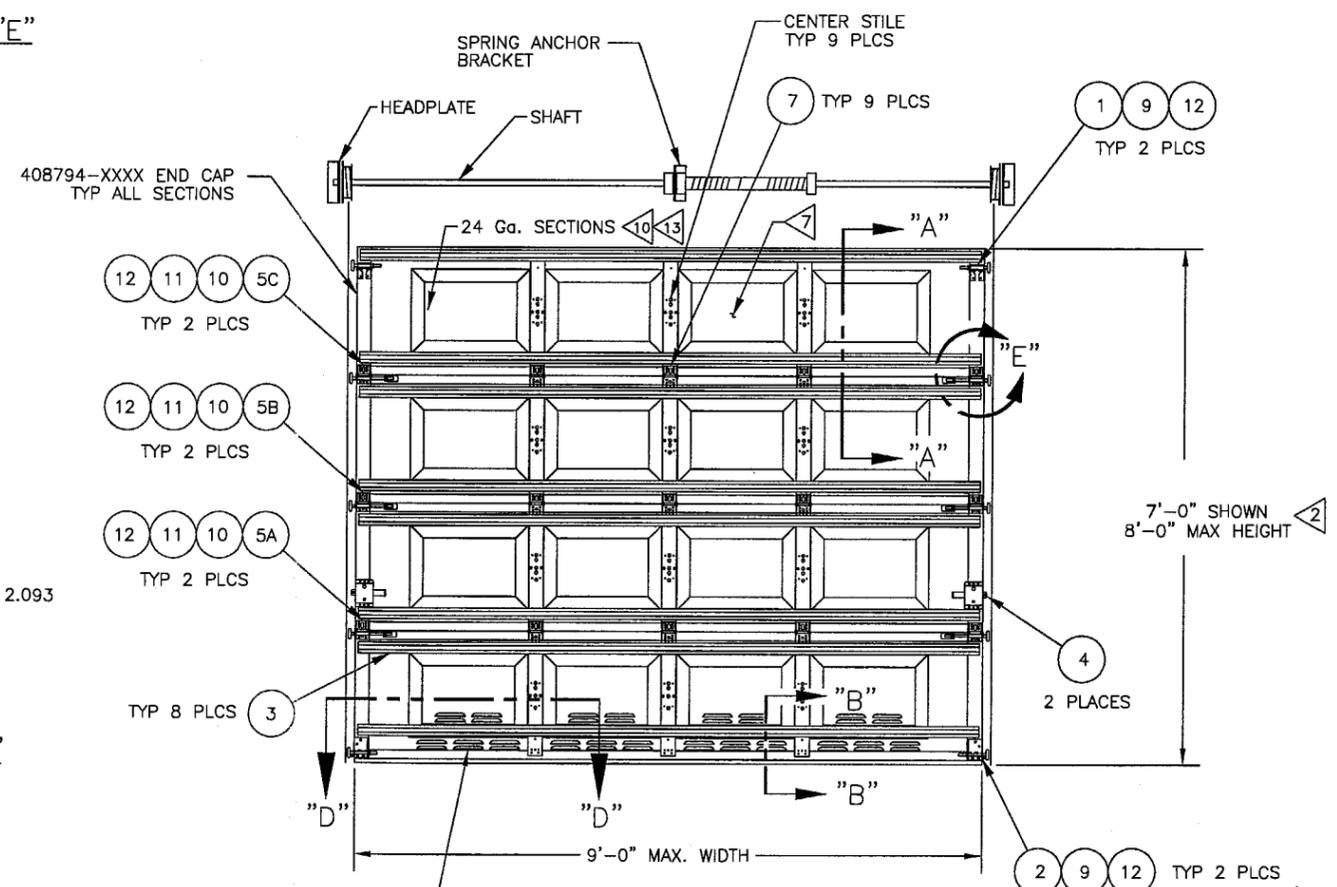
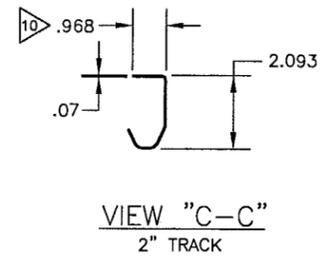
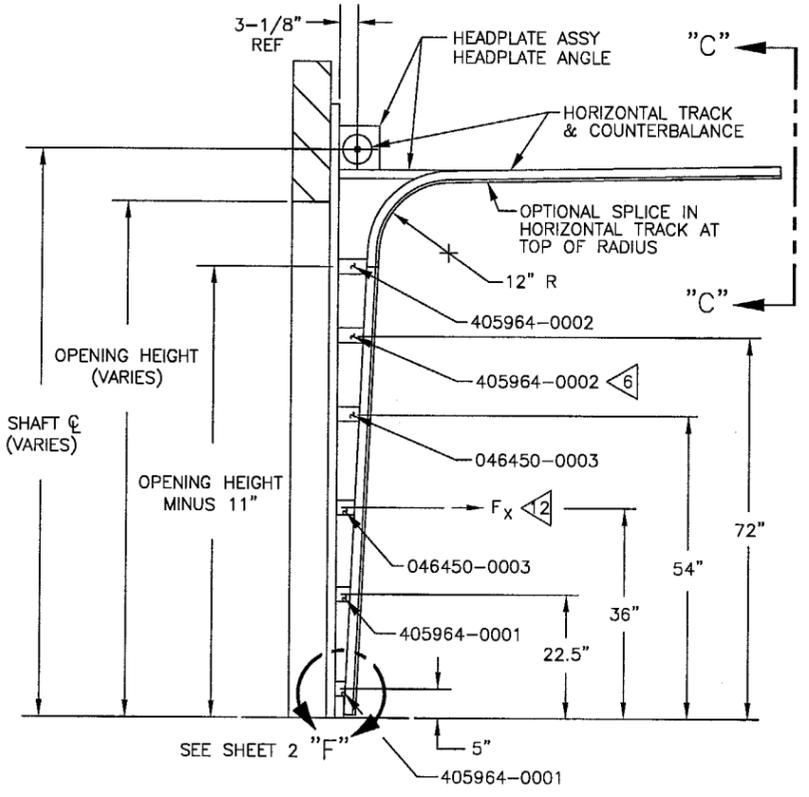
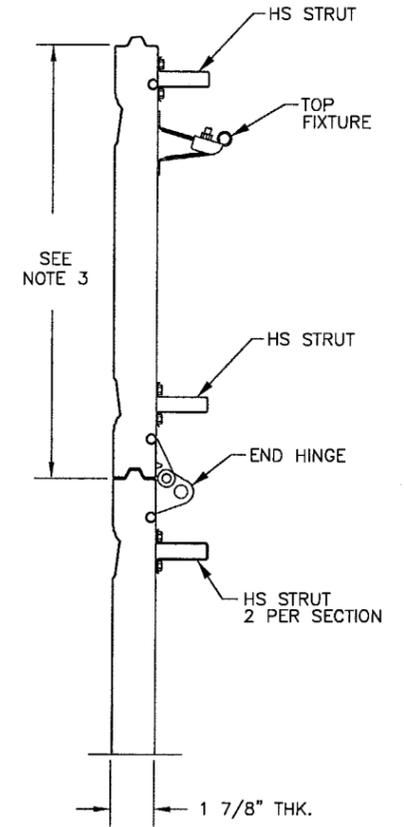
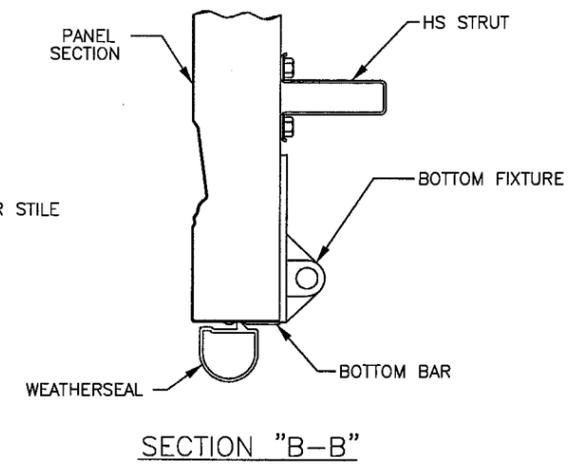
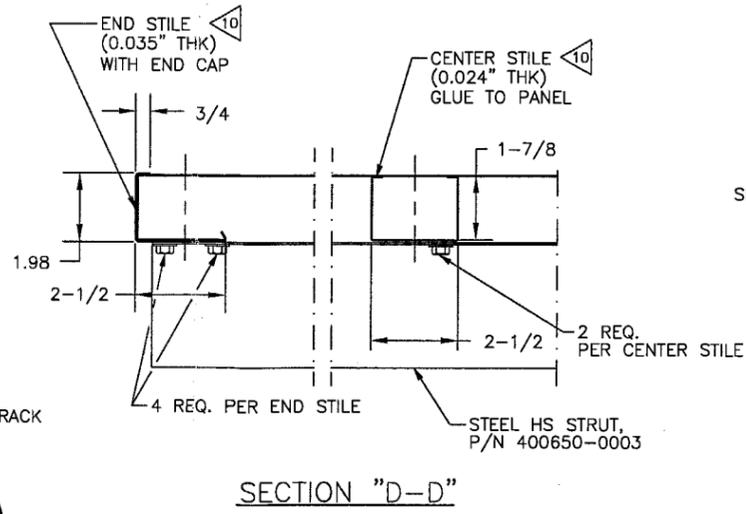
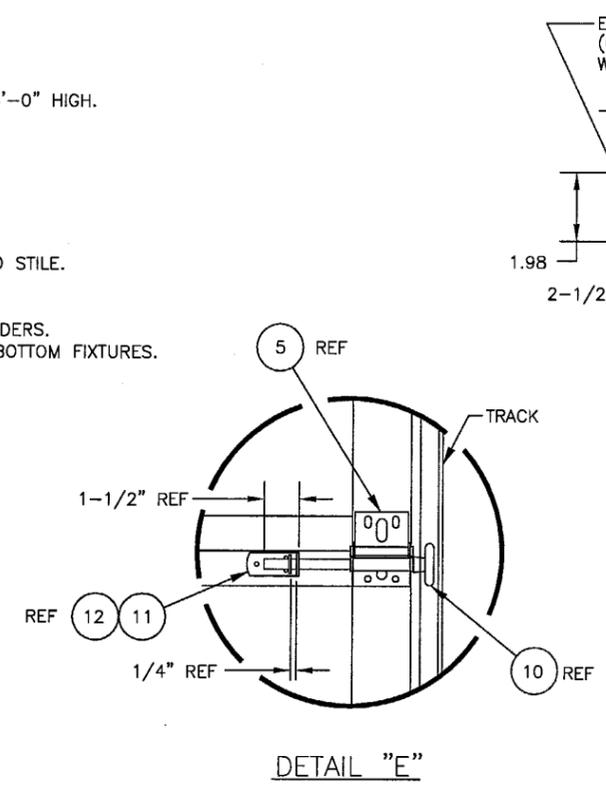


Candido F. Font, PE.
Senior Product Control Division
NOA No 03-0213.15
Expiration Date: August 21, 2008
Approval Date: August 21, 2003

NOTES

- DESIGNED AND TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE.
9' WIDE DOORS - 60 PSF DESIGN WIND LOAD / 270 LBS/FT JAMB LOAD
- ADDITIONAL INTERMEDIATE SECTIONS TO BE CONFIGURED THE SAME AS INTERMEDIATE SECTIONS SHOWN.
- SECTION HEIGHTS OF 20.88, 19.00, & 16.75 ARE AVAILABLE AND MAY BE USED IN COMBINATION TO ACHIEVE VARIOUS HEIGHT DOORS, NOT EXCEEDING 8'-0" HIGH.
- EMBOSSMENT PATTERN OF 14.5 X 20.4 SHOWN. ALTERNATE PATTERNS OF 12.5 X 20.4, AND 12.5 X 43.4 MAY BE USED. DOORS WITHOUT EMBOSSMENTS ALSO AVAILABLE.
- TORSION SPRINGS SHOWN.
- USE THIS BRACKET ON 8' HIGH DOORS ONLY.
- WINDOWS ARE NOT AVAILABLE.
- ATTACH STRUTS TO STILES WITH 2 SCREWS/CENTER STILE AND 4 SCREWS/END STILE. STRUT PLACEMENT ON SECTIONS MAY VARY +/- 2 INCHES.
TOP SECTION - DIRECTLY ABOVE TOP FIXTURES AND AT BOTTOM OF SECTION.
INTERMEDIATE SECTIONS - DIRECTLY BELOW AND DIRECTLY ABOVE ROLLER HOLDERS.
BOTTOM SECTION - DIRECTLY BELOW ROLLER HOLDERS AND DIRECTLY ABOVE BOTTOM FIXTURES.
- JAMB DETAIL TO BE IN ACCORDANCE WITH DRAWING 41012B.
JAMB/SCAB BRACKET ATTACHING HARDWARE SHALL BE AS FOLLOWS:
WOOD JAMB - LAG SCREW, 5/16 X 1-3/4
CONCRETE BLOCK - RAWL LOCK BOLT, 5/16 X 1-1/2 EMBEDMENT
- ASTM A-653 & A-924 (CS TYPE B) 30k - 55k PSI YIELD PER 605755.
- JAMB LOAD CALCULATIONS:
(1/2 DOOR WIDTH)(1 FOOT OF HEIGHT)(DESIGN LOAD)
(4.5 FT)(1 FT)(60.0 PSF)=270 lb/FT OF HEIGHT.
- JAMB FASTENER REQUIREMENT:
 $F_x = (1/2 \text{ DOOR WIDTH})(1.3 \text{ FEET})(\text{DESIGN LOAD})$
 $F_x = (4.5 \text{ FT})(1.3 \text{ FT})(60.0 \text{ PSF})=354.4 \text{ lbs}$
- DOOR SKIN MATL SHALL BE GALVANIZED (0.024" THK) ACCORDING TO ASTM A-525 TO G90 OR AN EQUIVALENT SURFACE COATING APPROVED BY DADE COUNTY BLDG. CODE COMPLIANCE OFFICE.
- TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS TAS 201, TAS 202, AND TAS 203.

| OHD/GENIE EQUIVALENCY CHART | | REVISIONS | | | |
|-----------------------------|-----------------------|-----------|------------------|---------|-------------|
| OHD DOOR SERIES No. | GENIE DOOR SERIES No. | LETTER | DESCRIPTION | DATE | APPROVAL |
| SERIES 188 | SERIES GDS300 | - | RFP PER EN 11401 | 6/19/03 | [Signature] |
| SERIES 189 | SERIES GDS30R | | | | |



SERIES 180 THRU 189 ARE EQUIVALENT CONSTRUCTION

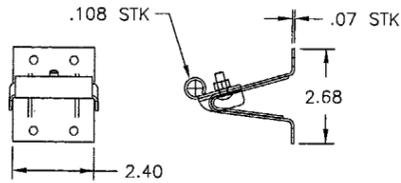
Approved as complying with the Florida Building Code
Date: 8/21/03
NOAM: 03-0213.15
Miami Dade Product Control Division
By: [Signature]
OVERHEAD DOOR CORPORATION
1900 CROWN DRIVE
FARMERS BRANCH, TEXAS 75234
LEROY G. KRUPKE, P.E. #36580

| DESIGN PRESSURE (PSF) | MAX. DOOR WIDTH (FEET) | CENTER STILES/SECTION | END STILE | ROLLER SHAFT BRACKET AT JOINT | STRUTS | ROLLER | VERTICAL TRACK GAGE | JAMB LOAD (LBS/FT OF HEIGHT AT DESIGN PRESSURE) | HARDWARE |
|-----------------------|------------------------|-----------------------|-----------|-------------------------------|--------|----------------|---------------------|---|----------|
| 60 | 9' | 3 | ENDCAPS | YES | HS3 | 2" X 7/16" TR3 | .068" | 270 | STD. |

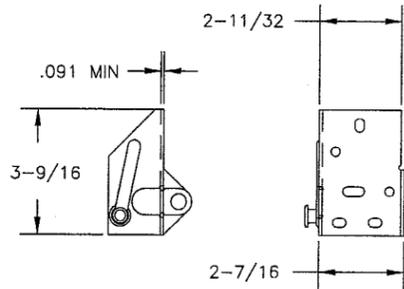
| UNLESS OTHERWISE SPECIFIED | | | OVERHEAD DOOR | | NAME | | DATE | |
|----------------------------|-----------------------|-------------------|---------------|-----------------|------------------|---------------------------------------|------|--|
| DECIMAL DIMENSIONS | HOLE DIAMETERS | ANGLES | DALLAS, TEXAS | DRAWN BY: | DATE | DRAWING TITLE: | | |
| 100+ ± .03 | UNDER .251+-.004-.003 | FRACTIONS ± 1/16" | | M. WOMACK | 05/14/03 | WINDLOAD, 188, 60 PSF, 9'-0" MAX DADE | | |
| 251 TO .500+-.006-.005 | OVER .500+-.008-.003 | | | G. ANEAS | 6/19/03 | DRAWING NUMBER D-410129 | | |
| 300+ ± .008 | | | | APPLIED FINISH: | UNIT OF MEASURE: | SCALE: 3/8 SHEET 1 OF 2 | | |
| | | | | NONE | EACH | | | |

NOTES

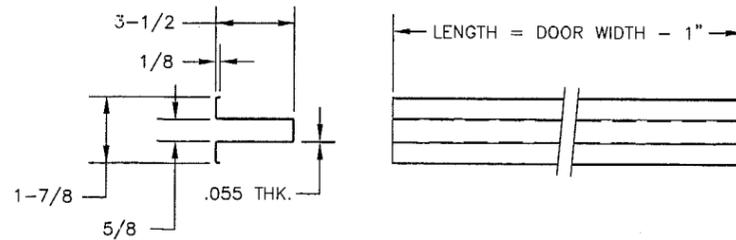
| REVISIONS | | | |
|-----------|------------------|---------|-------------|
| LETTER | DESCRIPTION | DATE | APPROVAL |
| - | RFP PER EN 11401 | 6/19/03 | [Signature] |



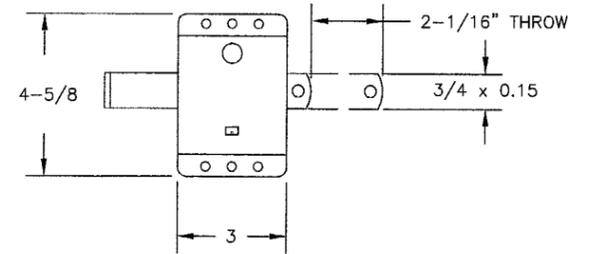
1 409808-0001, TOP FIXTURE
FASTENED TO END STILE W/(4) 1/4x3/4 SDS



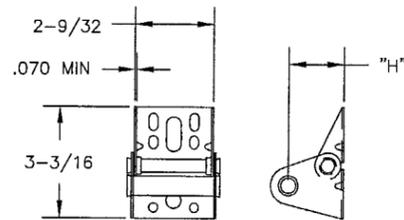
2 405771-0001 BOT. FIXTURE, LH
405771-0002 BOT. FIXTURE, RH
FASTENED TO END STILE W/(4) 1/4x3/4 SDS



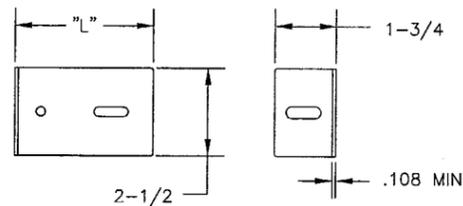
3 400650-XXX3 ROLLED HS-3 STRUT
FASTENED TO END STILE W/(4) 1/4x3/4 SDS
FASTENED TO INT STILE W/(2) 1/4x5/8 SMS



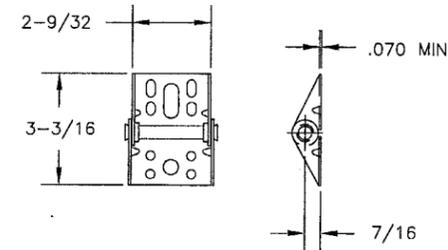
4 409334-0001 SLIDE LOCK ASSY
FASTENED TO END STILE W/(4) 1/4x3/4 SDS



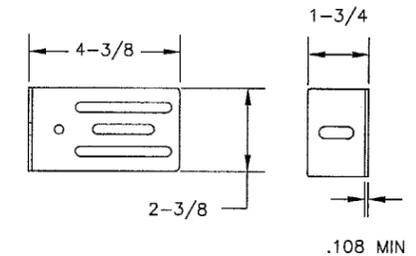
5 407605-000X END, HINGE
FASTENED TO END STILE W/(4) 1/4x3/4 SDS



6 405964 & 046450 BRACKET, SCAB
JOINED TO TRACK W/(1) 1/4-20 SS BOLT/FLANGE NUT



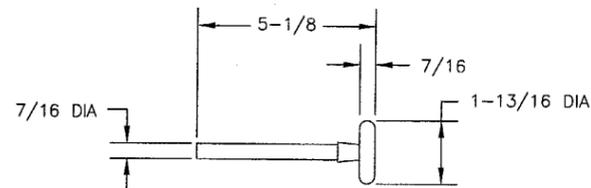
7 407603-0001 CENTER HINGE
FASTENED W/(4) 1/4x5/8 SMS



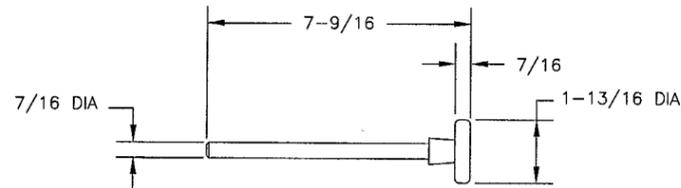
8 405964-0002 BRACKET, SCAB JOINT
JOINED TO TRACK W/(4) 1/4-20 SS BOLT/FLANGE NUT

| S | PART NUMBER | "H" |
|---|-------------|------|
| A | 407605-0002 | .85 |
| B | 407605-0003 | 1.10 |
| C | 407605-0004 | 1.35 |
| D | 407605-0005 | 1.60 |

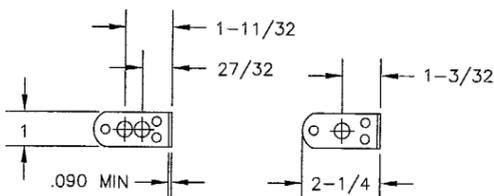
| PART NUMBER | "L" |
|-------------|-------|
| 405964-0001 | 3-1/4 |
| 046450-0003 | 4 |



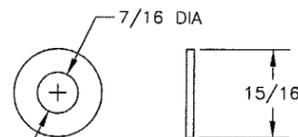
9 061166-0002 ROLLER ASSY, TR3



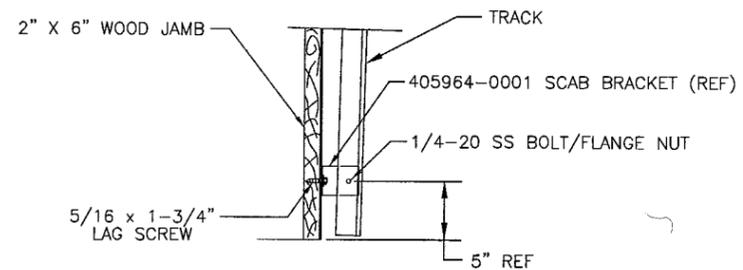
10 061166-0001 ROLLER ASSY, TR-3



11 405742-0001 BRACKET, ROLLER SHAFT
FASTENED W/(2) 1/4x5/8 SMS



12 608624-0001 PUSH NUT



DETAIL "F"
REF SHEET 1

[Signature]
7-17-03

Approved as complying with the
Florida Building Code
Date 8/21/03
NCAI 03-0213.15
Miami Dade Product Control
Division

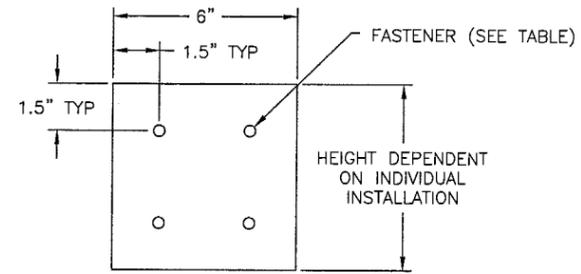
OVERHEAD DOOR CORPORATION
1900 CROWN DRIVE
FARMERS BRANCH, TEXAS 75234
LEROY G. KRUPKE, P.E. #36580

| UNLESS OTHERWISE SPECIFIED | | | OVERHEAD DOOR | | NAME | | DATE | | DRAWING TITLE: | |
|---|--|--|--------------------------|--|-----------------------|--|--------------------------|--|---------------------------------------|--|
| DIMENSIONS ARE IN INCHES/TOLERANCES ON DECIMAL DIMENSIONS | | | DALLAS, TEXAS | | DRAWN BY: M. WOMACK | | 05/14/03 | | WINDLOAD, 188, 60 PSF, 9'-0" MAX DADE | |
| HOLE DIAMETERS | | | the original since 1921 | | CHECKED BY: G. KRUPKE | | 6/19/03 | | DRAWING NUMBER D-410129 | |
| .001 ± .003 | | | UNDER .251 ± .004 - .003 | | MATERIAL: N/A | | APPLIED FINISH: NONE | | SCALE: NONE | |
| .002 ± .005 | | | .251 TO .500 ± .005 | | UNIT OF MEASURE: EACH | | APPROVED BY: [Signature] | | SHEET 2 OF 2 | |
| OVER .500 ± .005 | | | OVER .500 ± .005 | | FRACTIONS ± 1/16" | | DATE: 6/19/03 | | | |

NOTES

1. ALL LOADS FROM THE DOOR ARE TRANSFERRED TO THE VERTICAL JAMBS THROUGH THE TRACK (SPF STUD GRADE OR BETTER). NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB WITH "STRUT ONLY" WINDLOAD DESIGNS.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +2989 LB & -2989 LB.
3. ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. JAMB BRACKETS AND SCAB BRACKETS SHALL BE INSTALLED WITH 5/16" X 1-3/4" LAG SCREWS (ASTM A307, GRADE A) - ON SYP (S.G.=0.55). QUANTITY AND LOCATION ARE PRESENTED ON APPLICABLE WINDLOAD DOOR DRAWINGS.
5. SPRING ANCHOR BRACKETS SHALL BE INSTALLED WITH 5/16" X 2-1/2" LAG SCREWS (ASTM A307, GRADE A) ON SYP (S.G.=0.55). HEADER BRACKETS SHALL BE INSTALLED WITH 5/16" X 1-3/4" LAG SCREWS (ASTM A307, GRADE A) ON SYP (S.G.=0.55).

| REVISIONS | | | |
|-----------|------------------|---------|-------------|
| LETTER | DESCRIPTION | DATE | APPROVAL |
| - | RFP PER EN 11401 | 6/19/03 | [Signature] |



SPRING ANCHOR BRACKET PAD DETAIL

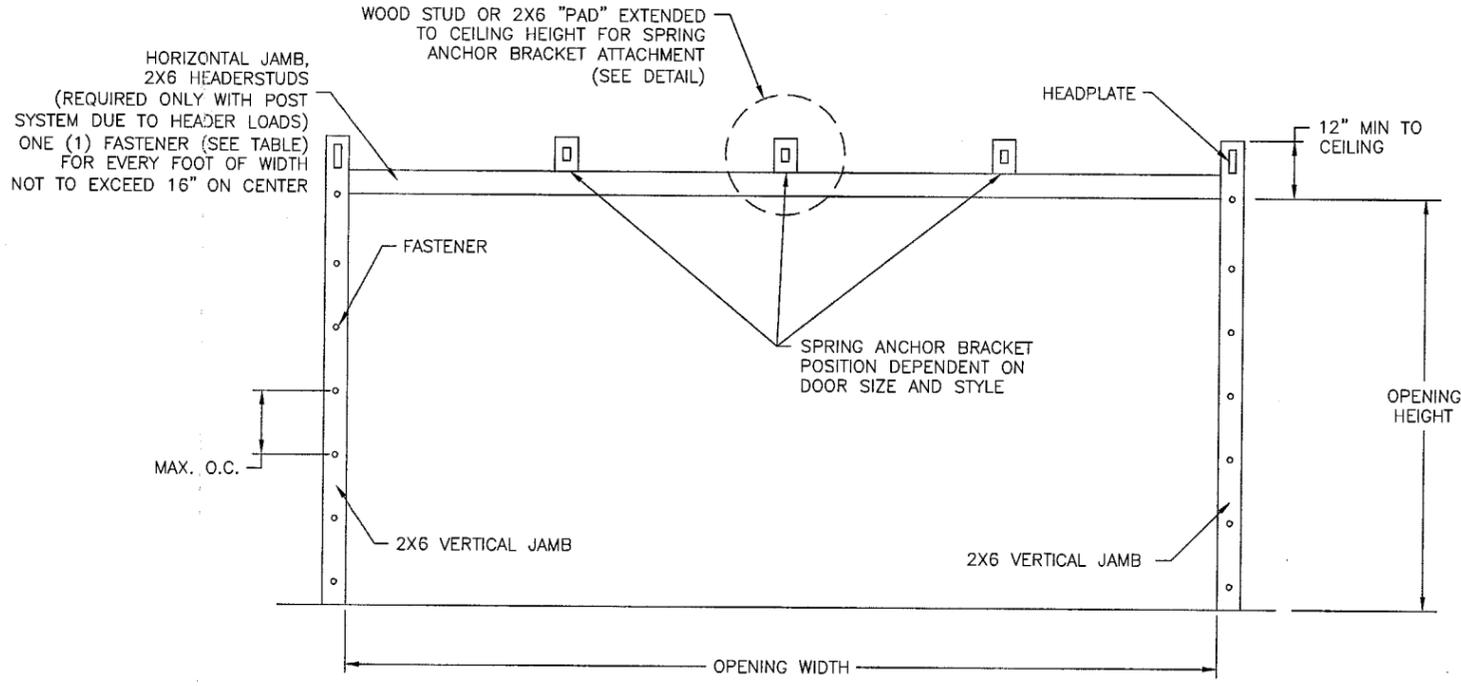
OPENING REQUIREMENTS

WOOD FRAME BUILDINGS

STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN 2 FULL LENGTH STUDS AND 2 HEADERSTUDS USING SPF STUD GRADE OR BETTER WOOD. STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS AND IN ACCORDANCE WITH FBC CHAPTER 23. INSTALLATION IN ACCORDANCE WITH DWG 409783 IS AN ACCEPTABLE ALTERNATIVE.

BLOCK WALL OR CONCRETE

2X6 MIN. WOOD JAMB AND 2X6 MIN. WOOD HEADERSTUD 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 THE BEAMS. (STRENGTH IS ASSUMED TO BE 2500 PSI). ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO THE FOOTING FOR BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY A BUILDING PROFESSIONAL OF RECORD AND IN ACCORDANCE WITH FBC CHAPTER 21.



JAMB REQUIREMENTS

2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS 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? | USE FOR SPRING ANCHOR BRACKET OR POST PAD? |
|------------------------------|---|---|---------|--|-------------------------|--|
| | | 7' HIGH | 8' HIGH | | | |
| WOOD FRAME (SPF) | 5/16" X 3" LAG SCREW (ASTM A307, GRADE A), 1-5/8" MIN. EMBED. | 10 | 12 | 12" | YES | YES |
| C-90 BLOCK (2,500 PSI GROUT) | 1/4" X 4" ITW TAPCON CONCRETE ANCHOR, 1-3/4" MIN. EMBED.* | 7 | 8 | 14" | YES | YES |
| C-90 BLOCK (2,500 PSI GROUT) | 3/8" X 4" RAWL LOK/BOLT ANCHOR BOLT, 1-5/8" MIN. EMBED.* | 7 | 8 | 16" | NO | YES |
| CONCRETE COLUMN (2,500 PSI) | 3/8" X 4" RAWL LOK/BOLT ANCHOR BOLT, 1-5/8" MIN. EMBED.* | 7 | 8 | 16" | NO | YES |
| 2000 PSI CONCRETE | 1/4" J-BOLT | 12 | 14 | 12" | YES | YES |
| 2000 PSI CONCRETE | 5/16" J-BOLT | 10 | 12 | 12" | YES | YES |
| 2000 PSI CONCRETE | 5/8" J-BOLT | 7 | 8 | 16" | YES | YES |

* - TAPCONS/ANCHOR BOLTS CAN BE INSTALLED DIRECTLY THROUGH TRACK BRACKETS/ANGLE IN LIEU OF 5/16" X 1-5/8" LAG SCREWS. RAWL LOK/BOLT SHALL BE TORQUED AS SPECIFIED BY THE RAWL DRILLING AND ANCHORING SYSTEMS DESIGN MANUAL.

Approved as complying with the Florida Building Code
 Date: 8/21/03
 NOAH 03/02/13.JS
 Miami-Dade District Control
 Division
 [Signature]
 7-17-03

| | | | | | | | | | |
|----------------------------|-----------------------|--|-----------------|--------------|----------|--------------------------------|--|----------------|--|
| UNLESS OTHERWISE SPECIFIED | | OVERHEAD DOOR the original since 1917 | | NAME | | DATE | | DRAWING TITLE: | |
| DECIMAL DIMENSIONS | HOLE DIAMETERS | ANGLES ± 0° 30' | MATERIAL: | DRAWN BY: | 05/14/03 | JAMB DETAIL, RESIDENTIAL, DADE | | | |
| XX ± .03 | UNDER .251+004-.003 | FRACTIONS ± 1/16" | N/A | CHECKED BY: | 6/19/03 | DRAWING NUMBER D- 410128 | | | |
| XXX ± .005 | .251 TO .260+006-.003 | OVER .260+006-.003 | APPLIED FINISH: | APPROVED BY: | 6/19/03 | SCALE: NONE SHEET 1 OF 1 | | | |
| | | | N/A | | | | | | |