



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  
www.miamidade.gov/buildingcode

**NOTICE OF ACCEPTANCE (NOA)**

**Quality Engineered Products, Co., Inc.**  
4506 Quality Lane  
Tampa, FL 33622

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

**DESCRIPTION: Series 16 ga Outswing glazed Commercial Steel Door w/ wo Panic Exit Devices-Impact**

**APPROVAL DOCUMENT:** Drawing No. QQ2, titled "16 GA Commercial Outswing glazed Steel Door", sheets 1 through 13 of 13, prepared by manufacturer, dated 07/08/08, signed and sealed by David M. Schonacher Jr. , 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 Resistant**

**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.

**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 # 04-0823.04, consists of this page, evidence sheet E-1 and E-2, as well as, approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



A  
7/11/18

NOA No 07-1017.10  
Expiration Date: July 11, 2013  
Approval Date: July 31, 2008  
Page 1

**Quality Engineered Products, Co., Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS (Transferred from file # 04-0823.04)**

1. Manufacturer's die drawings and sections.
2. Drawing No. **QQ2**, titled "16 GA Commercial Outswing glazed Steel Door", sheets 1 through 13 of 13, prepared by manufacturer, dated 07/08/08, signed and sealed by David M. Schonacher Jr., P. E.

**B. TESTS (Transferred from file # 04-0823.04)**

1. Test reports on
  - 1) Air Infiltration Test, per FBC TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
  - 3) Water Resistance Test per FBC, TAS 202-94 (Not Performed).
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings & installation diagram of Commercial Steel Doors w /Panic devices, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1276W**, dated Nov. 11, 2004 and **CTLA 976WA-2**, dated 07/12/04, both signed and sealed by Ramesh Patel, P. E.

(Note: This test report has been revised under Test Report No. **CTLA 1276WR**, re-issued on Feb 01, 2005 by Certified Testing Laboratories, signed and sealed by Ramesh Patel, P. E.)

2. Test reports (Transferred from file # 04-0823.04)

- 1) Air Infiltration Test, per FBC TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
- 3) Water Resistance Test per FBC, TAS 202-94
- 4) Large Missile Impact Test per FBC, TAS 201-94
- 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 6) Forced Entry Test, per FBC and TAS 202-94

Along with marked-up drawings and installation diagram of Single outswing Commercial Steel Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1238W**, dated 08/13/04, signed and sealed by Ramesh Patel, P. E

3. Additional test report **HTL-0050-0407-96** and **HTL-0050-0104-96** tested per SFBC, PA201, 202 and 203-94, issued by Hurricane testing laboratories, Inc. dated 04-17-96, and 01/15/96, both signed and sealed by Timothy S. Marshall, P. E. (Transferred from file # 00-0726.01/03-0708.02)

**C. CALCULATIONS (Transferred from file # 04-0823.04)**

1. Anchor verification calculations, dated 10-25-2005, prepared, signed and sealed by David M. Schonacher Jr., P.E
2. Glazing complies w/ASTME-1300-02

**D. QUALITY ASSURANCE BY:**

1. Miami Dade Building Code Compliance Office (BCCO).

*Ishaq I. Chanda*

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 07-1017.01

Expiration Date: July 11, 2013

Approval Date: July 30, 2008

**Quality Engineered Products, Co., Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITT**

**E. MATERIAL CERTIFICATIONS (Transferred from file # 04-0823.04)**

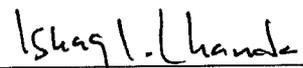
1. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 1023J (CTLA114W)**, tested per ASTM E-A370-97, dated December 02,2003, signed and sealed by Ramesh Patel, P. E.
2. Notice of Acceptance No. **07-1107.08** issued to Dyplast Product, LLC (former Apache Products Co) "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2012.
3. Notice of Acceptance No. **03-0514.15** issued to Old Castle Inc. for "Storm glass for laminated glass, expiring on 10/12/08.
4. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored Interlayer**", expiring on 05/21/11.

**F. STATEMENTS**

1. Statement letter of conformance and "no financial interest", dated July 08, 2008, signed and sealed by David M. Schonacher Jr. , P. E.
2. Statement letter of compliance, as a part of the above referenced test reports.

**G. OTHER**

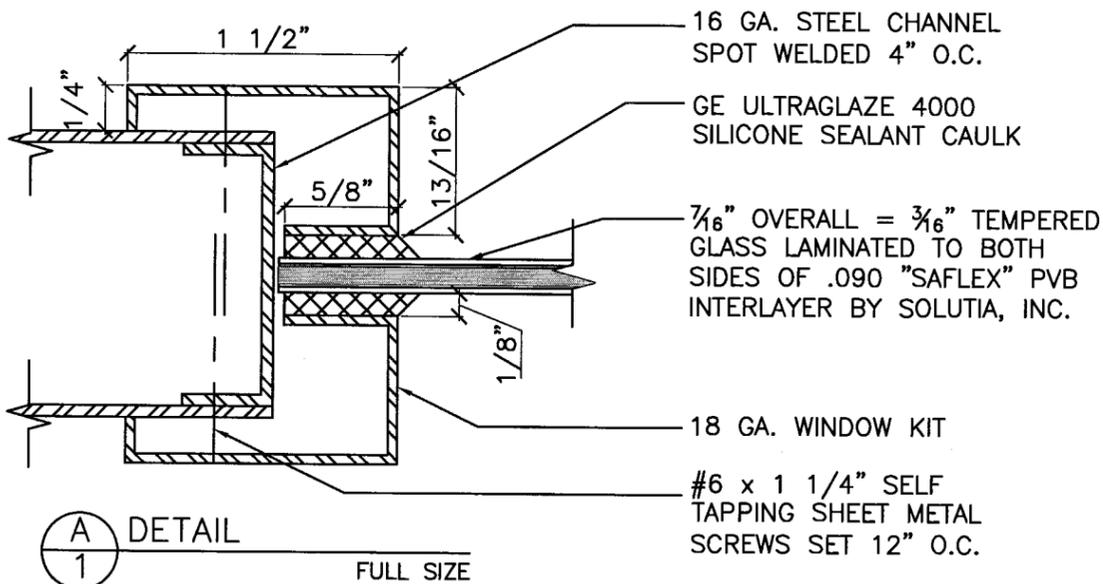
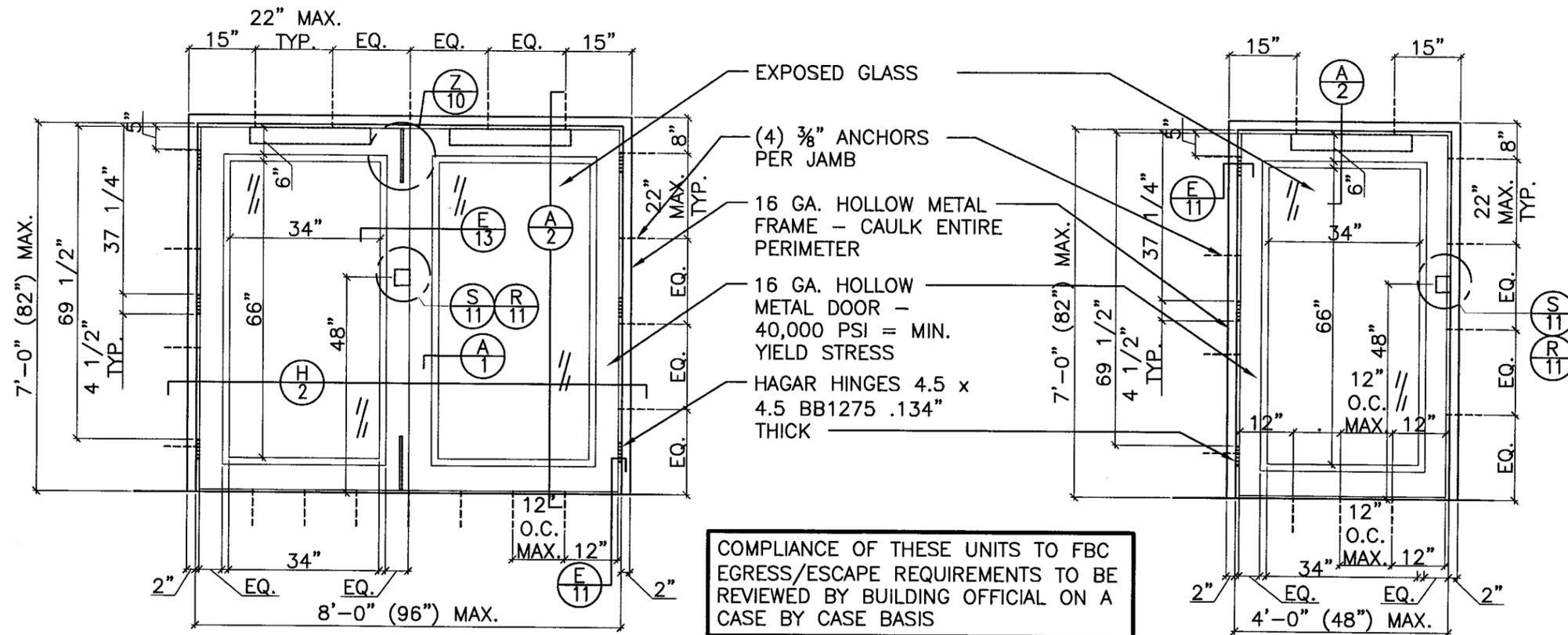
1. This **renews NOA # 04-0823.04**, expiring July 11, 2008
2. Previous associated files with this NOA(s) are # 03-0708.02 and 00-0726.01



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Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 07-1017.01  
Expiration Date: July 11, 2013  
Approval Date: July 30, 2008

# GLAZED STEEL DOOR WITH DEADLOCK



**NOTE:**  
ALL DOORS AND FRAMES ARE BONDERIZED AND GIVEN ONE COAT OF RED RUST INHIBITIVE PRIMER.

**LOCK FUNCTION TESTED:**  
ARROW SERIES  
D-41 DEADBOLT

**DESIGN PRESSURE RATING W/ DEADBOLT:**  
+ 40 PSF / - 50 PSF

**HURRICANE PROTECTION SHUTTERS ARE NOT REQUIRED**

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No 07-1017.10  
Expiration Date July 11, 2013  
By *Shing J. Chan*  
Miami-Dade Product Control Division

*DAVID M. SCHONACHER*  
JUL 08 2008  
DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)

**INDEX OF DRAWINGS:**

- GLAZED STEEL DOOR WITH DEADLOCK
- GLAZED STEEL DOOR WITH RIM EXIT DEVICE AND REMOVABLE MULLION
- GLAZED DOOR WITH MORTISE LOCK (SINGLE DOOR ONLY)
- GLAZED STEEL DOOR WITH "DORMA" RIM EXIT DEVICE AND REMOVABLE MULLION
- DOOR CONSTRUCTION, DOOR AND FRAME REINFORCEMENTS, ANCHOR DETAILS, AND COMMON DETAILS

**SHEETS:**

- 1 THRU 2
- 3 THRU 4
- 5 THRU 6
- 7 THRU 8
- 9 THRU 13

**16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR**

4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

*Quality Engineered Products Co., Inc.*

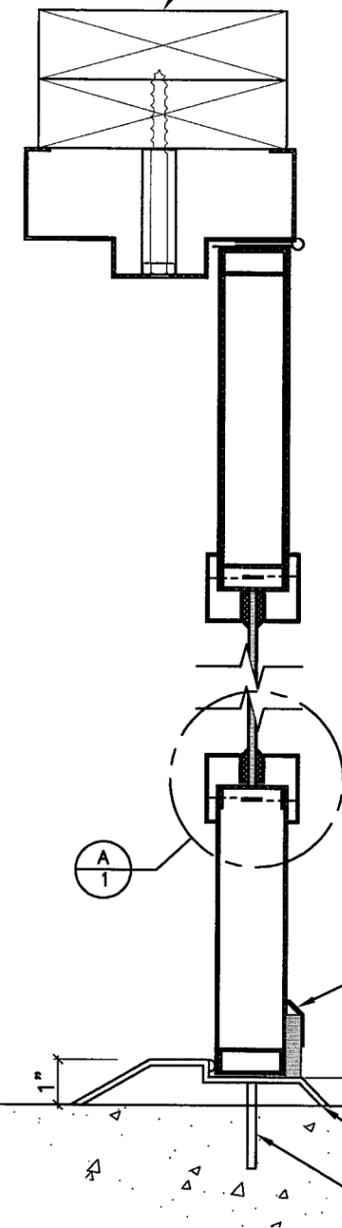
REVISIONS  
1 6-28-2000  
2 2-23-2005  
3 7-8-2008

**DRAWING NUMBER QQ2**

**HURRICANE TEST APPROVAL QQ2**

SHEET 1 OF 13  
DATE 7-8-08

(2) 2x6 WOOD BLOCKING  
w/ 3/8" x 5" LAG SCREWS  
IN 3/4" EMT PIPE SLEEVE



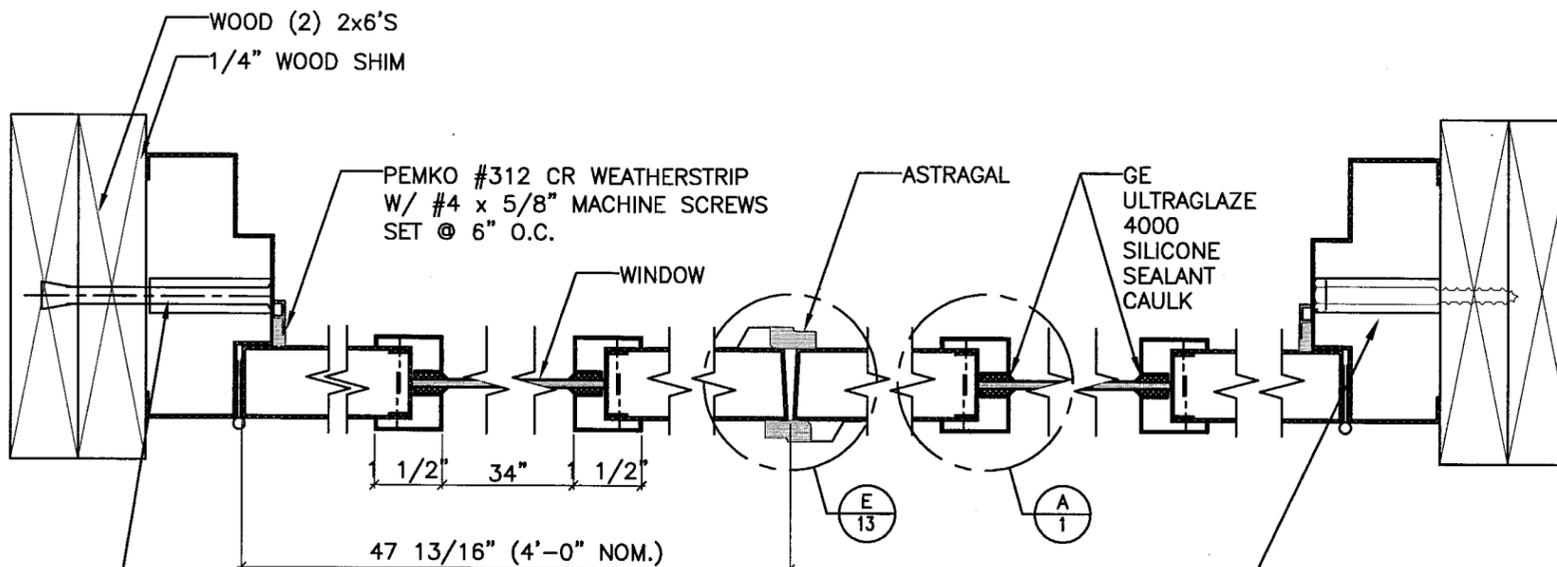
**A**  
2 VERTICAL SECTION  
3" = 1'-0"

EXTERIOR

PEMCO #368 CN SWEEP  
W/ #4 x 3/4" MACHINE  
SCREWS SET @ 12" O.C.

PEMCO #191 AAV THRESHOLD

#10 x 2" WOOD SCREWS WITH SHIELD SET  
AT 12" O.C. (EMBED INTO WOOD W/ 1.375"  
MIN. PENETRATION) OR 3/16" x 2" TAPCON  
SET AT 12" O.C. (EMBED INTO CONCRETE W/  
1" MIN. PENETRATION)



WOOD (2) 2x6'S  
1/4" WOOD SHIM  
PEMCO #312 CR WEATHERSTRIP  
W/ #4 x 5/8" MACHINE SCREWS  
SET @ 6" O.C.  
WINDOW  
1/2" 34" 1/2"  
47 13/16" (4'-0" NOM.)  
3/8" DIA. x 5" DYNABOLT SLEEVE  
ANCHOR BY ITW/REDHEAD INTO  
GROUT FILLED BLOCK OR CONCRETE  
w/ 2 1/2" MIN. EMBEDMENT

EXTERIOR

(2) 2x6 WOOD BLOCKING w/  
3/8" x 5" LAG SCREWS IN 3/4"  
EMT PIPE SLEEVE

DESIGN PRESSURE RATING  
W/ DEADBOLT:  
+ 40 PSF / - 50 PSF

**H**  
2 HORIZONTAL SECTION  
3" = 1'-0"

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 07-1017-10  
Expiration Date July 11, 2013  
By Ishag I. Chaudhry  
Miami Dade Product Control  
Division

JUL 08 2008  
DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)

**GLAZED STEEL DOOR WITH DEADLOCK**

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

DRAWING NUMBER QQ2

4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

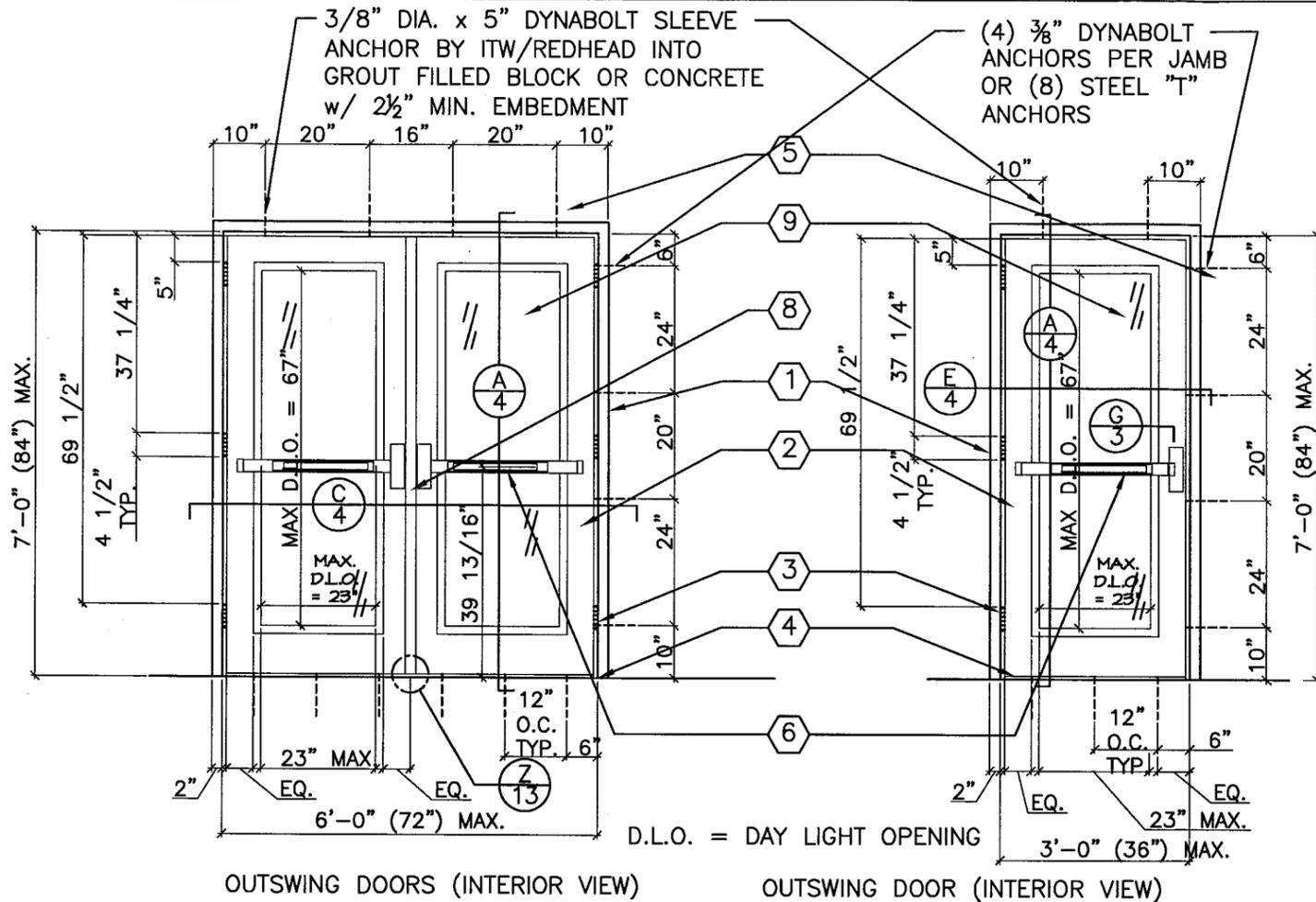
REVISIONS  
1 6-28-2000  
2 2-23-2005  
3 7-8-2008

HURRICANE TEST APPROVAL  
QQ2

SHEET 2 OF 13

DATE 7-8-08

Quality  
Engineered  
Products Co., Inc.

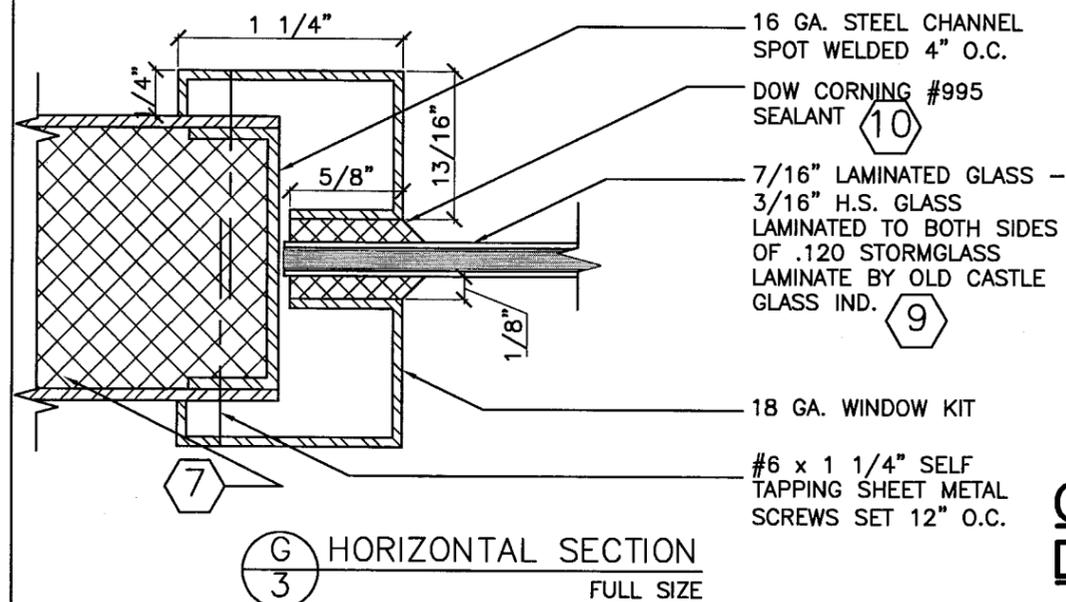


| ITEM # | QUANTITY | BILL OF MATERIALS  |
|--------|----------|--|
| 1      | 1        | 16 GA. MIN., 14 GA. MAX., STEEL HEAD/JAMB/SILL FRAME   |
| 2      | 2        | 16 GA. MIN., 14 GA. MAX., FULL GLASS STEEL DOOR - Fy MIN. 49,000 PSI   |
| 3      | 6        | HAGAR HINGES BB1279 4 1/2" x 4 1/2" x 0.134" THICK   |
| 4      | 1        | PEMKO 2005AV THRESHOLD   |
| 5      | 18       | 3/8" X 5" DYNABOLT SLEEVE ANCHOR BY ITW/REDHEAD w/ 3/4" EMT WELDED PIPE SLEEVE                               |
| 6      | 2        | SARGENT RIM EXIT DEVICE HC8800 OR VON DUPRIN RIM EXIT DEVICE 98/99 OR CORBIN RUSWIN RIM EXIT DEVICE ED5200   |
| 7      | AS REQ.  | EPS POLYSTYRENE FOAM CORE BY APACHE PRODUCTS   |
| 8      | 1        | PRECISION FL822 REMOVABLE MULLION  |
| 9      | AS REQ.  | 7/16" LAMINATED GLASS (3/16" HS + 0.120" STORMGLASS INTERLAYER BY OLD CASTLE + 3/16" HS) BY OLD CASTLE GLASS |
| 10     | AS REQ.  | PRECISION CORNING #995 STRUCTURAL SILICONE SEALANT   |

OUTSWING DOORS (INTERIOR VIEW)

OUTSWING DOOR (INTERIOR VIEW)

D.L.O. = DAY LIGHT OPENING



G 3 HORIZONTAL SECTION FULL SIZE

| DESIGN PRESSURE RATING VS. EXIT DEVICE PART #6 & PRECISION REMOVABLE MULLION FL822 | POSITIVE  | NEGATIVE |
|--|-----------|----------|
| SPEC #1 - PRECISION FL2100 RIM EXIT DEVICE OR                                      | +65 PSF * | -65 PSF  |
| SPEC #2 - PRECISION 1100 RIM EXIT DEVICE OR  | +65 PSF * | -65 PSF  |
| SPEC #3 - SARGENT RIM EXIT DEVICE HC8800 OR  | +70 PSF * | -70 PSF  |
| SPEC #4 - VON DUPRIN RIM EXIT DEVICE 98/99 OR                                      | +70 PSF * | -70 PSF  |
| SPEC #5 - CORBIN RUSWIN RIM EXIT DEVICE ED5200                                     | +65 PSF * | -65 PSF  |

\* = NOT RATED WHERE WATER INFILTRATION IS NEEDED.

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-1017-10  
 Expiration Date July 11, 2013  
 By Ishag J. Chande  
 Miami Code Product Control  
 Division

JUL 08 2008  
 DAVID M. SCHONACHER, P.E.  
 FLORIDA REG. # 63131  
 (NOT VALID WITHOUT SEAL)

## GLAZED STEEL DOOR WITH RIM EXIT DEVICE AND REMOVABLE MULLION

16 GA. OUTSWING GLAZED COMMERCIAL STEEL DOOR

REVISIONS

- 1 6-28-2000
- 2 2-23-2005
- 3 7-8-2008

DRAWING NUMBER QQ2

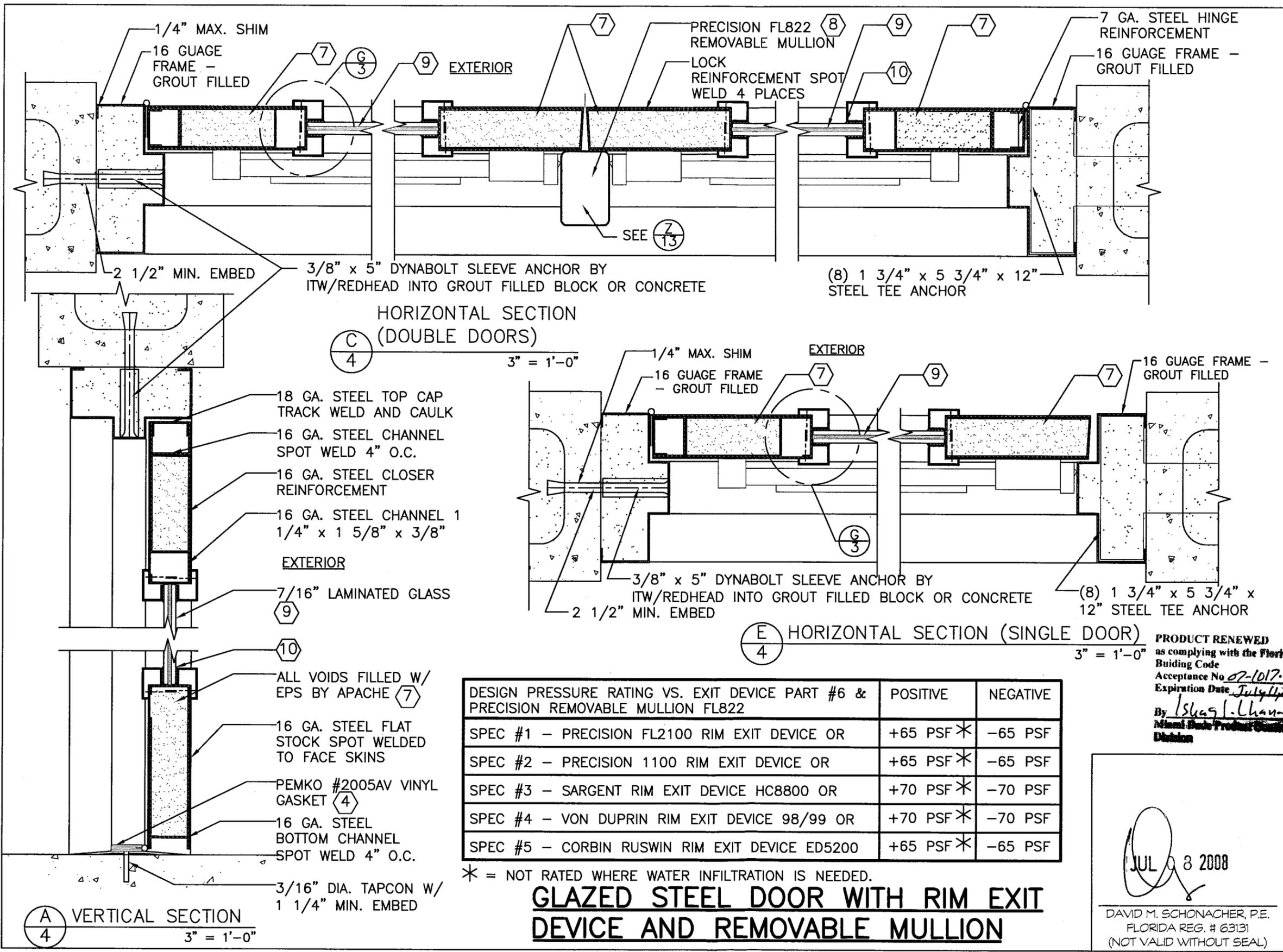
HURRICANE TEST APPROVAL  
 QQ2

SHEET 3 OF 13

DATE 7-8-08

4506 QUALITY LANE  
 TAMPA, FLORIDA 33634  
 (813) 885-1693

Quality Engineered Products Co., Inc.



| DESIGN PRESSURE RATING VS. EXIT DEVICE PART #6 & PRECISION REMOVABLE MULLION FL822 | POSITIVE  | NEGATIVE |
|--|-----------|----------|
| SPEC #1 - PRECISION FL2100 RIM EXIT DEVICE OR                                      | +65 PSF * | -65 PSF  |
| SPEC #2 - PRECISION 1100 RIM EXIT DEVICE OR  | +65 PSF * | -65 PSF  |
| SPEC #3 - SARGENT RIM EXIT DEVICE HC8800 OR  | +70 PSF * | -70 PSF  |
| SPEC #4 - VON DUPRIN RIM EXIT DEVICE 98/99 OR                                      | +70 PSF * | -70 PSF  |
| SPEC #5 - CORBIN RUSWIN RIM EXIT DEVICE ED5200                                     | +65 PSF * | -65 PSF  |

\* = NOT RATED WHERE WATER INFILTRATION IS NEEDED.

## GLAZED STEEL DOOR WITH RIM EXIT DEVICE AND REMOVABLE MULLION

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 07-1017-10  
 Expiration Date July 11, 2013  
 By Isaac L. Lhant  
 Miami Code Product Council  
 Division

**JUL 8 2008**

DAVID M. SCHONACHER, P.E.  
 FLORIDA REG. # 63131  
 (NOT VALID WITHOUT SEAL)

**16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR**

4506 QUALITY LANE  
 TAMPA, FLORIDA 33634  
 (813) 885-1693

*Quality Engineered Products Co., Inc.*

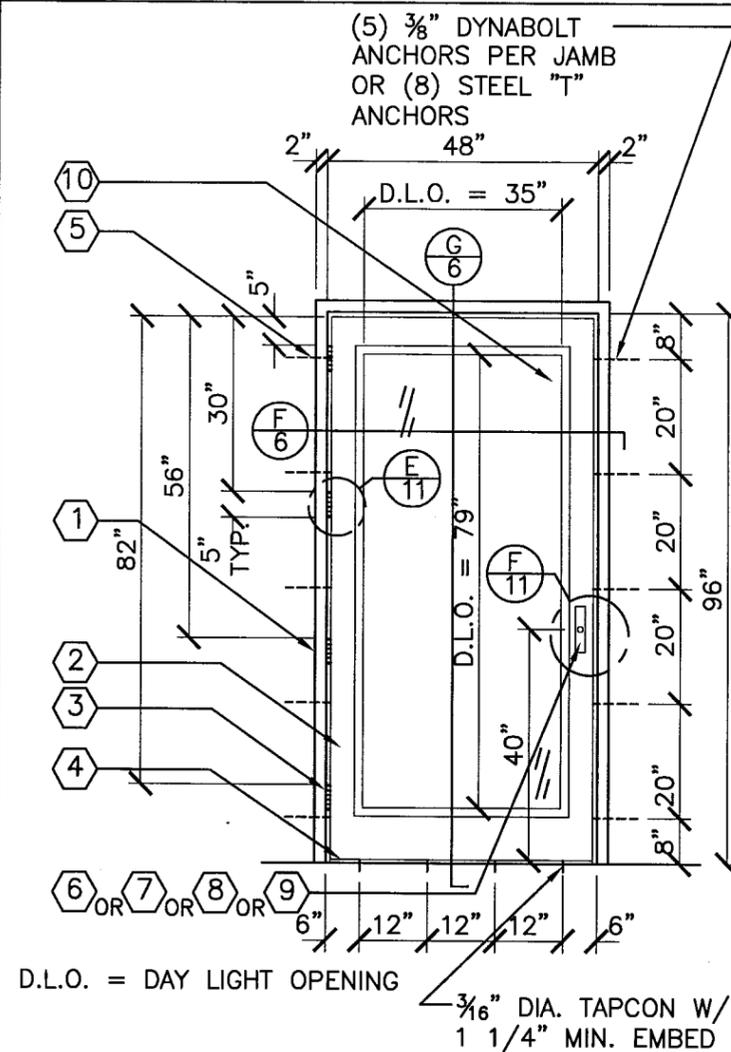
REVISIONS  
 1 6-28-2000  
 2 2-23-2005  
 3 7-8-2008

**DRAWING NUMBER QQ2**

**HURRICANE TEST APPROVAL QQ2**

SHEET **4** OF **13**  
 DATE **7-8-08**

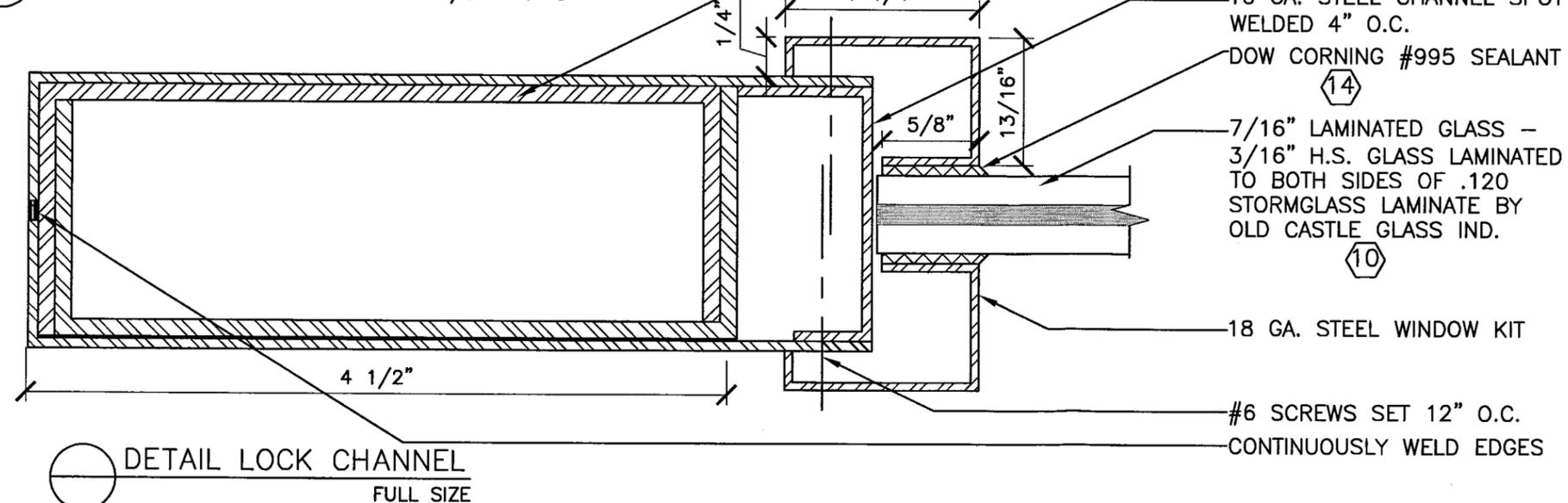
# GLAZED STEEL DOOR WITH MORTISE LOCK



| ITEM # | QUANTITY | BILL OF MATERIALS                            |
|--------|----------|--|
| 1      | 1        | 16 GA. MIN. 14 GA. MAX. H.M. FRAME           |
| 2      | 1        | 16 GA. MIN, 14 GA. MAX. FULL GLASS H.M. DOOR |
| 3      | 4        | HAGAR HINGES BB1279 4.5 x 4.5 .134" THICK    |
| 4      | 1        | PEMKO 2005AV THRESHOLD                       |
| 5      | 10       | 3/8" X 5" ANCHOR BOLTS (U.S. ANCHOR)         |
| 6      | 1        | CORBIN RUSWIN MI2200 MORTISE LOCK            |
| 7      | 1        | DORMA ML9953 MORTISE LOCK                    |
| 8      | 1        | SCHLAGE L9456 MORTISE LOCK                   |
| 9      | 1        | SARGENT 8243 MORTISE LOCK                    |
| 10     | 1        | 7/16" HS LAMINATED GLASS BY OLD CASTLE       |
| 11     | 1        | PEMKO 347A TOP DRIP                          |
| 12     | 2        | PEMKO 68A DOOR TOP WEATHERSTRIP              |
| 13     | 3        | PEMKO 303AS WEATHERSTRIP                     |
| 14     | AS REQ'D | DOW CORNING #995 STRUCTURAL SILICONE SEALANT |

| DESIGN PRESSURE RATING SINGLE DOOR W/ MORTISE LOCK (ITEM #6, 7, 8, & 9) |  |   |
|---|--|---|
|   | WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE AIR & WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| POSITIVE  | +90 PSF  | +90 PSF   |
| NEGATIVE  | -90 PSF  | -90 PSF   |

OUTSWINGING DOOR (INTERIOR VIEW)  
3/8" = 1'-0"



DETAIL LOCK CHANNEL  
FULL SIZE

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 07-101710  
Expiration Date July 1, 2013  
By [Signature]  
Miami-Dade Product Control  
Division

[Signature]  
JUL 08 2008  
DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

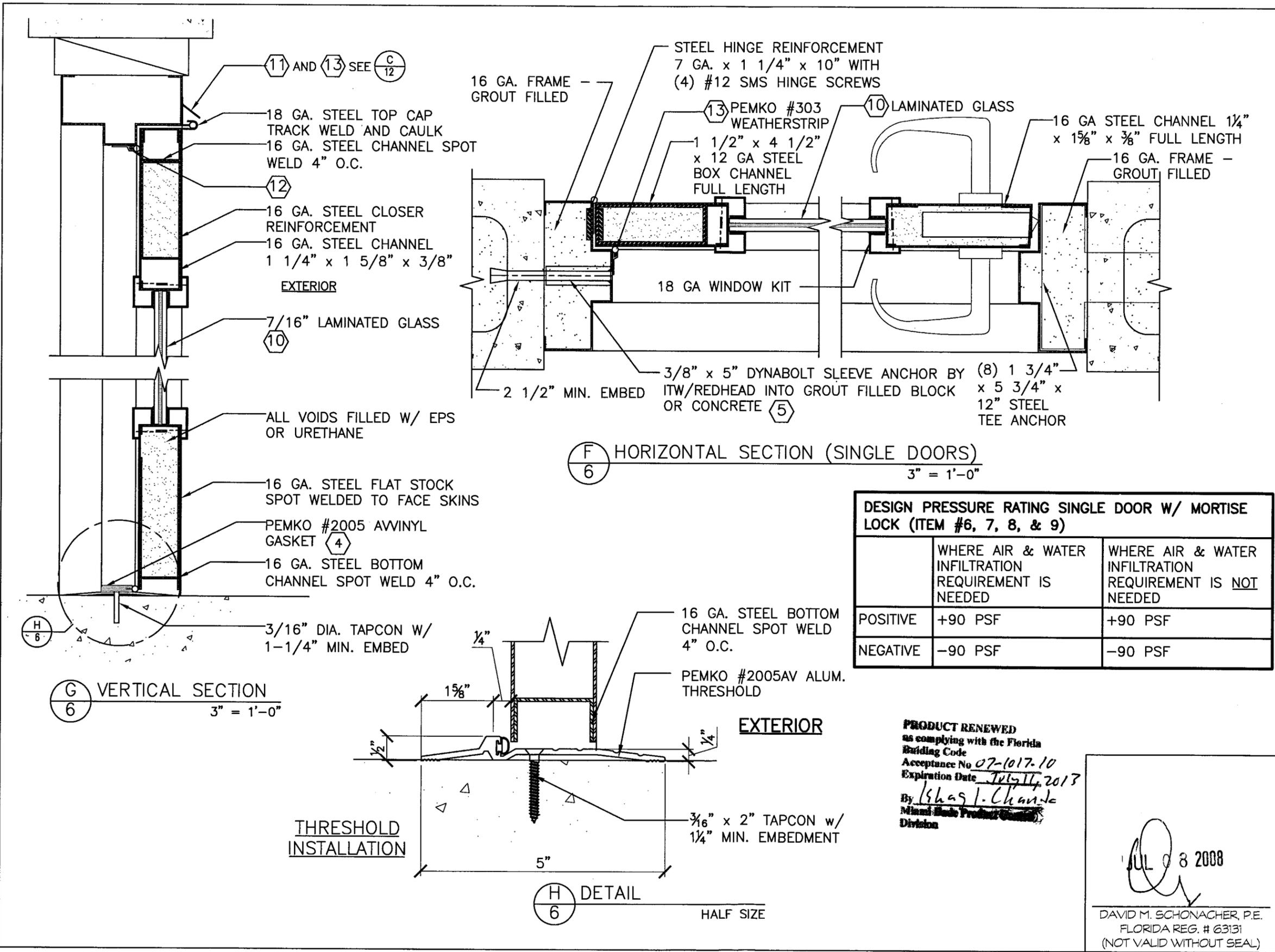
*Quality  
Engineered  
Products Co., Inc.*

REVISIONS  
1 6-28-2000  
2 2-23-2005  
3 7-8-2008

DRAWING NUMBER QQ2

HURRICANE TEST APPROVAL  
QQ2

SHEET 5 OF 13  
DATE 7-8-08



16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

*Quality Engineered Products Co., Inc.*

REVISIONS  
1 6-28-2000  
2 2-23-2005  
3 7-8-2008

DRAWING NUMBER QQ2

HURRICANE TEST APPROVAL  
QQ2

SHEET 6 OF 13  
DATE 7-8-08

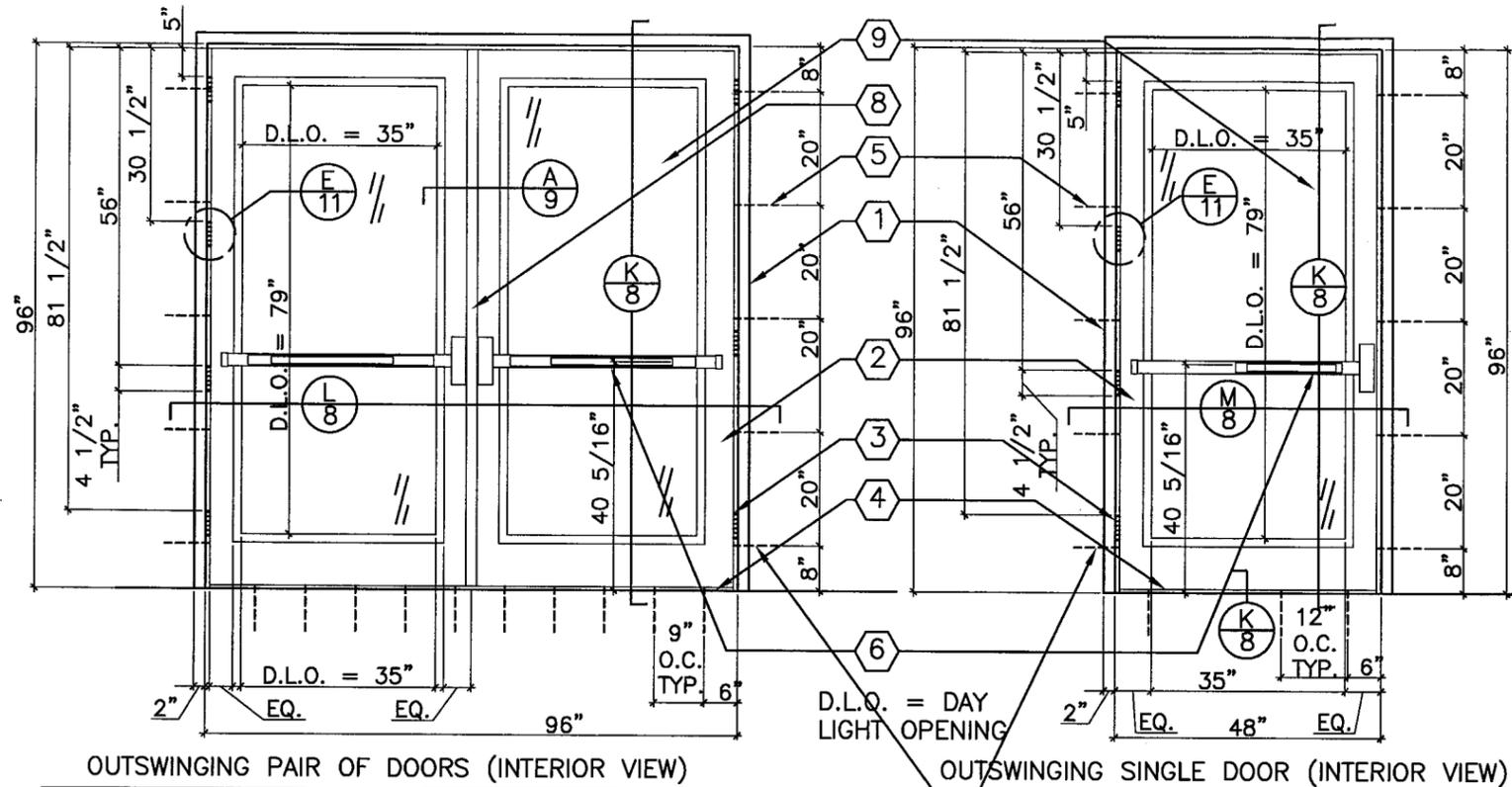
**DESIGN PRESSURE RATING SINGLE DOOR W/ MORTISE LOCK (ITEM #6, 7, 8, & 9)**

|          | WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE AIR & WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
|----------|--|---|
| POSITIVE | +90 PSF  | +90 PSF   |
| NEGATIVE | -90 PSF  | -90 PSF   |

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 07-1017-10  
Expiration Date July 11, 2013  
By *Ishag I. Chantle*  
Miami-Beach Product Control Division

JUL 8 2008  
*[Signature]*  
DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)

# GLAZED STEEL DOOR WITH "DORMA" RIM EXIT DEVICE & REMOVABLE MULLION



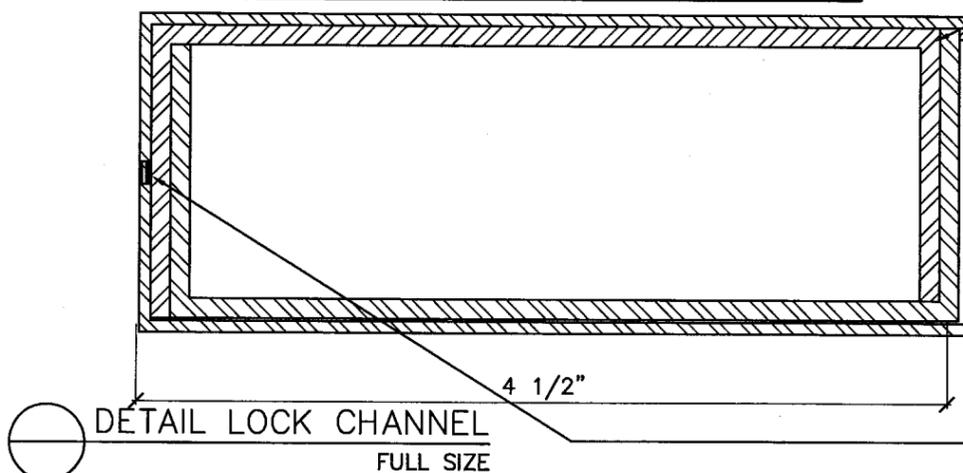
OUTSWINGING PAIR OF DOORS (INTERIOR VIEW)

OUTSWINGING SINGLE DOOR (INTERIOR VIEW)

### DESIGN PRESSURE RATING W/ DORMA RIM EXIT & DORMA 1300 REMOVABLE MULLIONS

|          | WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED |
|----------|--|--|
| POSITIVE | NOT APPROVED   | +80 PSF  |
| NEGATIVE | NOT APPROVED   | -80 PSF  |

(5) 3/8" SLEEVE ANCHORS PER JAMB OR (8) STEEL "T" ANCHORS



DETAIL LOCK CHANNEL  
FULL SIZE

| ITEM # | QUANTITY | BILL OF MATERIALS  |
|--------|----------|--|
| 1      | 1        | 16 GA. MIN. 14 GA. MAX. STEEL HEAD/JAMB/SILL FRAME                           |
| 2      | 2        | 16 GA. MIN, 14 GA. MAX. FULL GLASS STEEL DOOR - FY MIN. 49,000 PSI           |
| 3      | 8        | HAGAR HINGES 4.5 x 4.5 BB1279 .134" THICK                                    |
| 4      | 1        | PEMKO 2005AV THRESHOLD   |
| 5      | 10       | 3/8" X 5" EXPANSION BOLTS (U.S. ANCHOR) W/ 3/4" EMT WELDED PIPE SLEEVE       |
| 6      | 2        | DORMA EXIT DEVICE HCF9400 OR HCF9300 X YR08                                  |
| 7      | AS REQ'D | EPS POLYSTYRENE FOAM CORE BY APACHE PRODUCTS                                 |
| 8      | 1        | DORMA HC1300 REMOVABLE MULLION (DOUBLE DOORS)                                |
| 9      | AS REQ'D | 7/16" LAMINATED GLASS (3/16" HS + .120" INTERLAYER BY OLD CASTLE + 3/16" HS) |
| 10     | AS REQ'D | DOW CORNING #995 STRUCTURAL SILICONE SEALANT                                 |
| 11     | 2        | PEMKO 68A DOOR TOP WEATHERSTRIP  |
| 12     | 3        | NATIONAL GUARD #130SA WEATHERSTRIP   |
| 13     | 1        | PEMKO 347A TOP DRIP  |

- 1 1/2" x 4 1/2" 12 GA. STEEL BOX CHANNEL WELDED @6" O.C. FULL LENGTH
- 16 GA. STEEL CHANNEL SPOT WELDED 4" O.C.
- DOW CORNING #995 SEALANT (10)
- 7/16" LAMINATED GLASS - 3/16" H.S. GLASS LAMINATED TO BOTH SIDES OF .120 STORMGLASS LAMINATE BY OLD CASTLE GLASS IND. (9)
- 18 GA. STEEL WINDOW KIT
- #6 SCREWS SET 12" O.C. CONTINUOUSLY WELD EDGES

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 07-1017-10  
Expiration Date July 14, 2013  
By *Shaq L. Lhank*  
Miami Code Product Control  
Division

JUL 08 2008  
DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

*Quality Engineered Products Co., Inc.*

REVISIONS  
1 6-28-2000  
2 2-23-2005  
3 7-8-2008

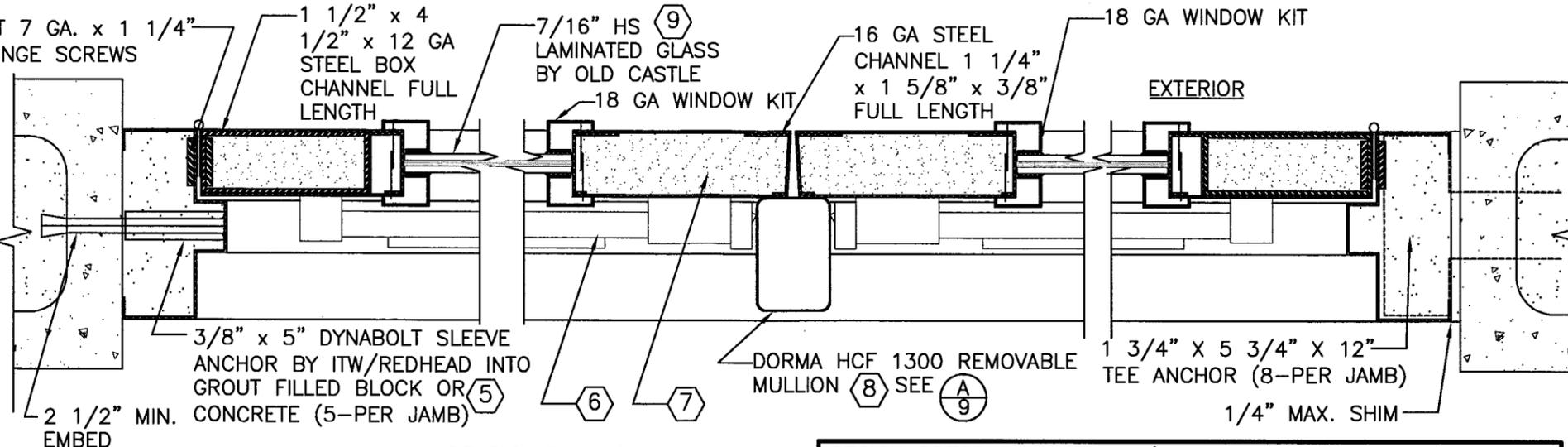
DRAWING NUMBER QQ2

HURRICANE TEST APPROVAL  
QQ2

SHEET 7 OF 13  
DATE 7-8-08

STEEL HINGE REINFORCEMENT 7 GA. x 1 1/4" x 10" WITH (4) #12 SMS HINGE SCREWS

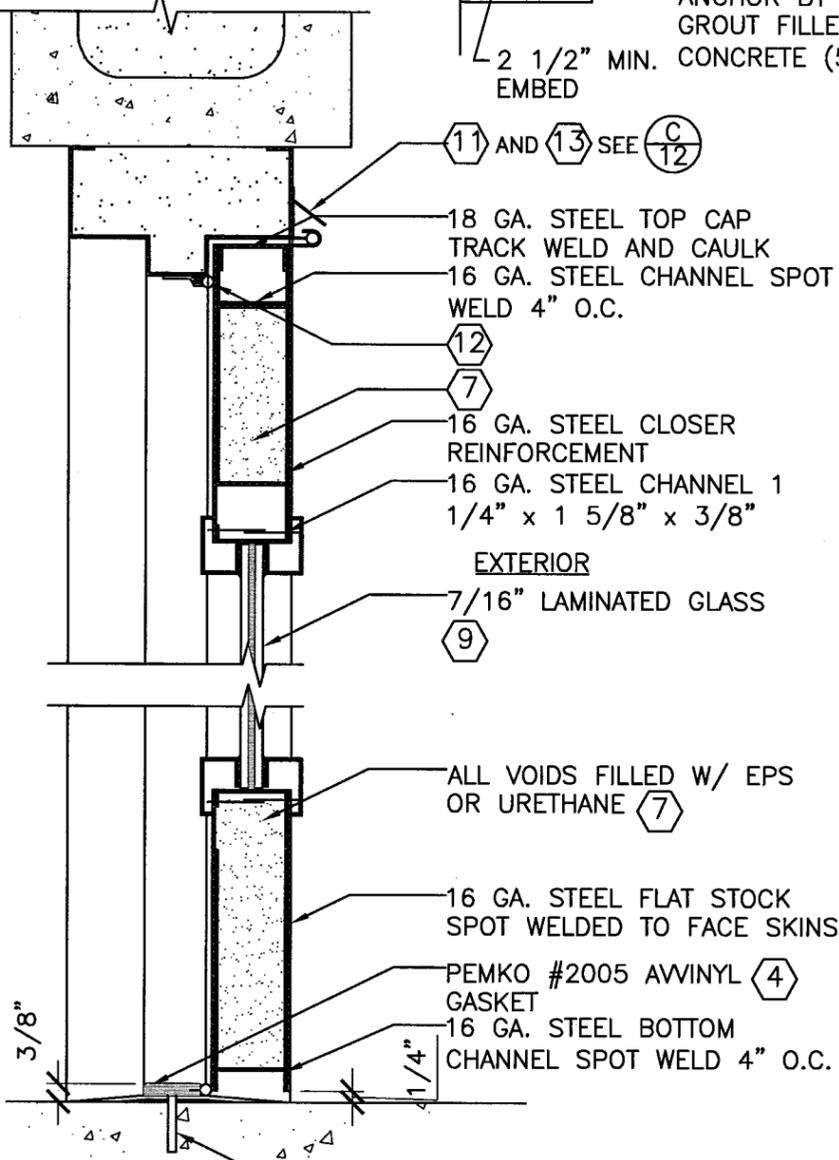
PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 07-1017-10  
Expiration Date July 17, 2013  
Iskhan I. Chaudhary



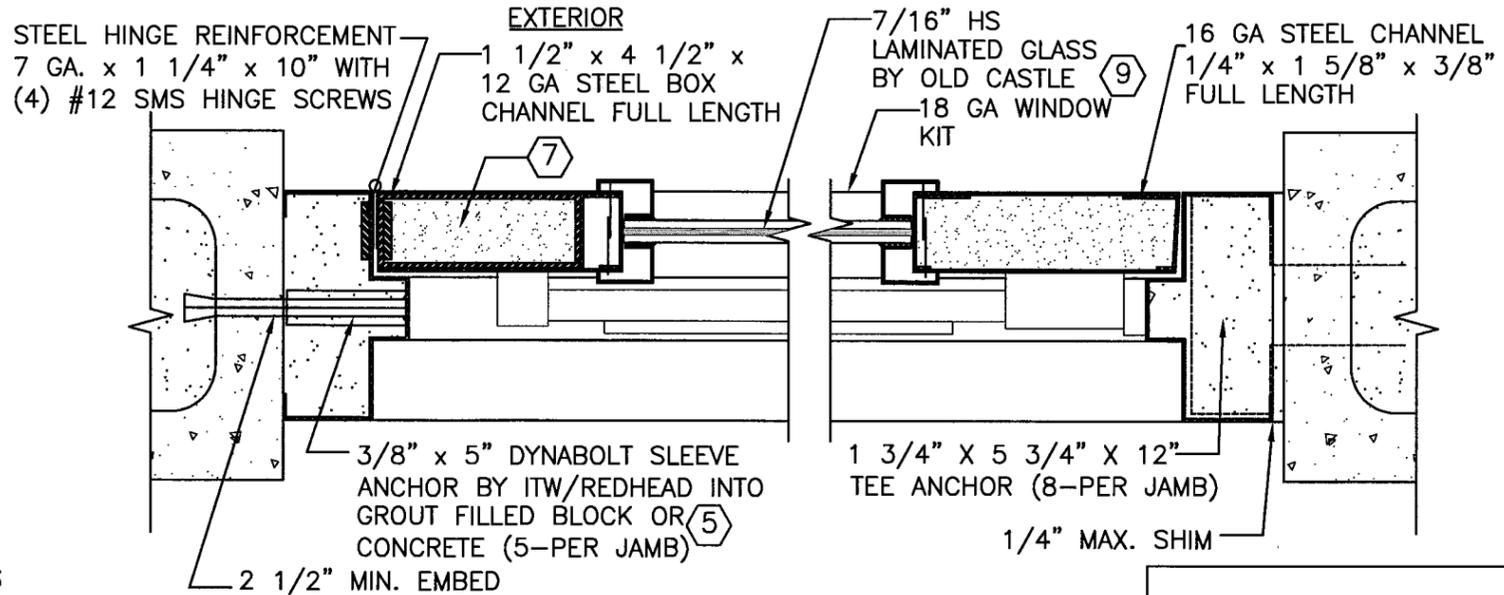
HORIZONTAL SECTION (DOUBLE DOOR)

(L) 8 3" = 1'-0"

| DESIGN PRESSURE RATING W/ DORMA RIM EXIT & DORMA 1300 REMOVABLE MULLIONS |  |  |
|--|--|--|
|  | WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED |
| POSITIVE   | NOT APPROVED   | +80 PSF  |
| NEGATIVE   | NOT APPROVED   | -80 PSF  |



(K) 8 VERTICAL SECTION MIN. EMBED @ 12" O/C 3" = 1'-0"



(M) 8 HORIZONTAL SECTION (SINGLE DOOR) 3" = 1'-0"

**GLAZED STEEL DOOR WITH "DORMA" RIM EXIT DEVICE & REMOVABLE MULLION**

JUL 08 2008  
DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)

DRAWING NUMBER QQ2

HURRICANE TEST APPROVAL QQ2

SHEET 8 OF 13

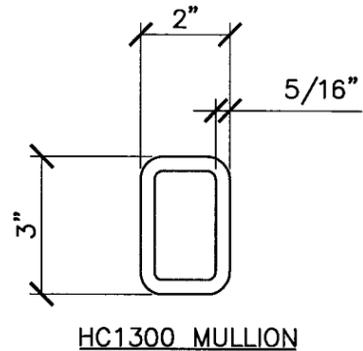
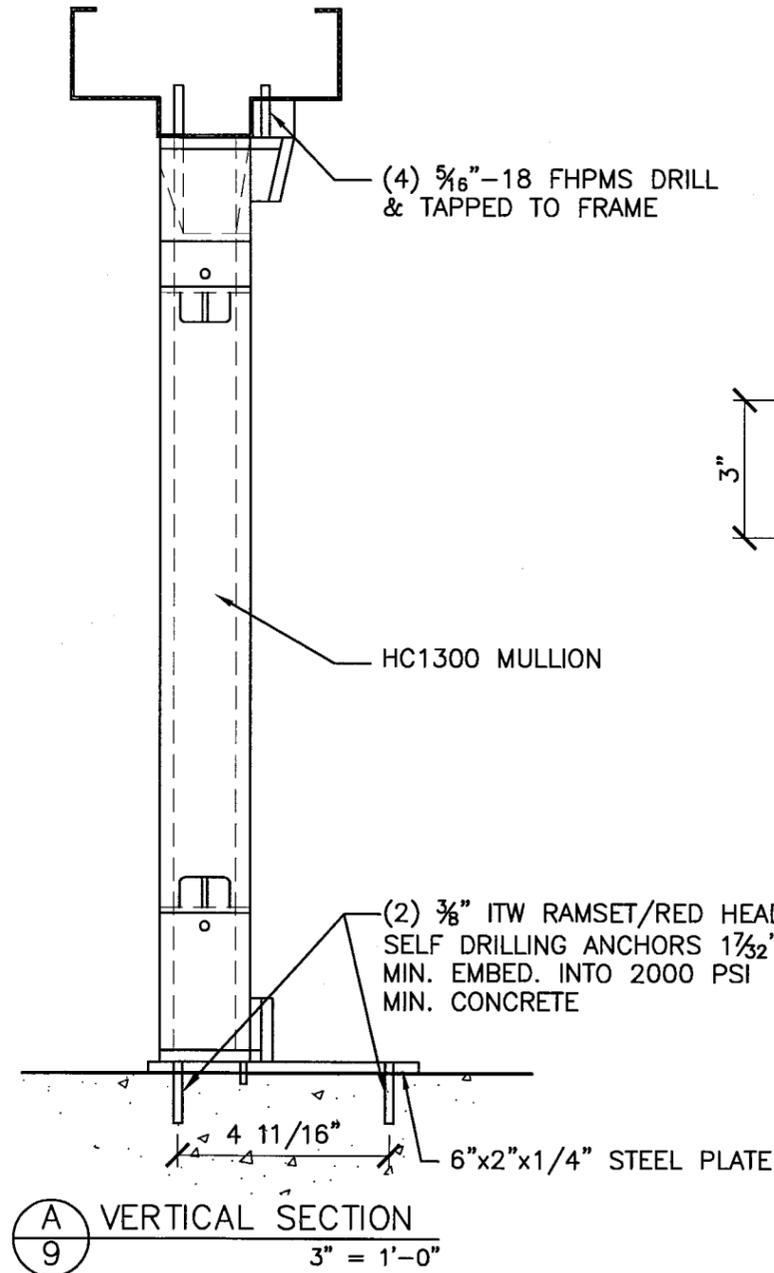
DATE 7-8-08

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

*Quality Engineered Products Co., Inc.*

REVISIONS  
1 6-28-2000  
2 2-23-2005  
3 7-8-2008



**PRODUCT REVIEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-1017-10  
 Expiration Date July 17, 2013  
 By *Kevin L. Chaneh*  
 Miami Code Product Control  
 Division

*JUL 08 2008*  
 DAVID M. SCHONACHER, P.E.  
 FLORIDA REG. # 63131  
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**DORMA HC-1300 REMOVABLE MULLION**

**16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR**

4506 QUALITY LANE  
 TAMPA, FLORIDA 33634  
 (813) 885-1693

*Quality  
 Engineered  
 Products Co., Inc.*

REVISIONS

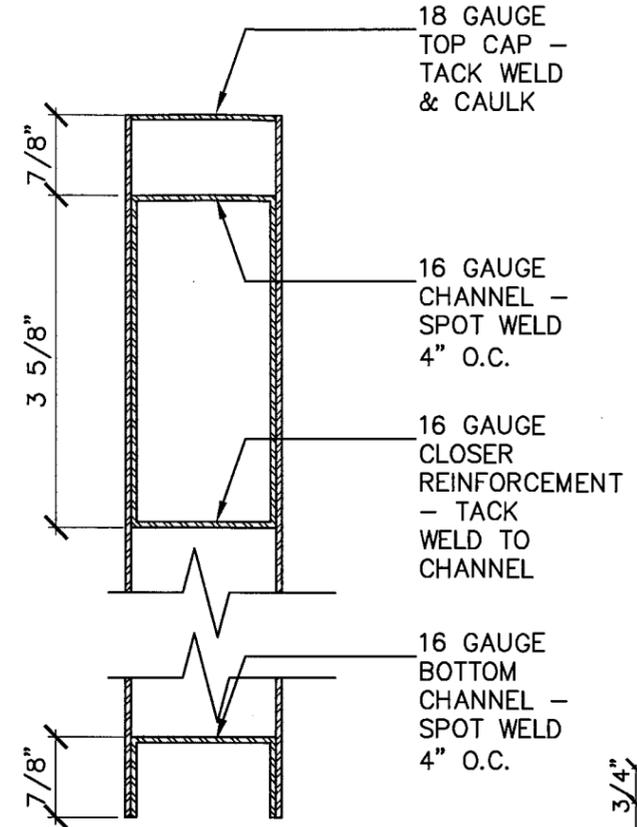
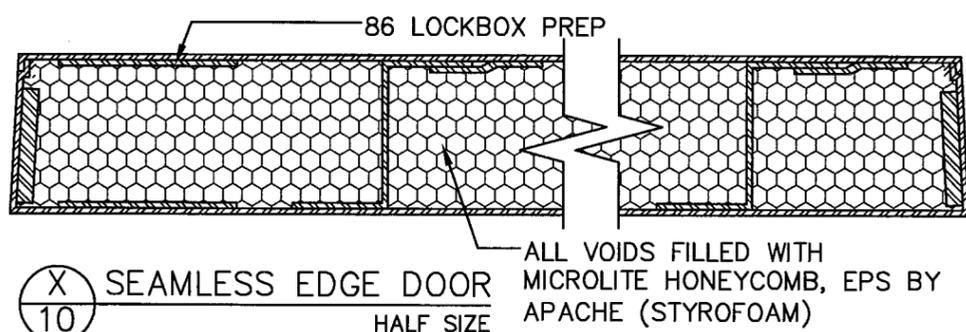
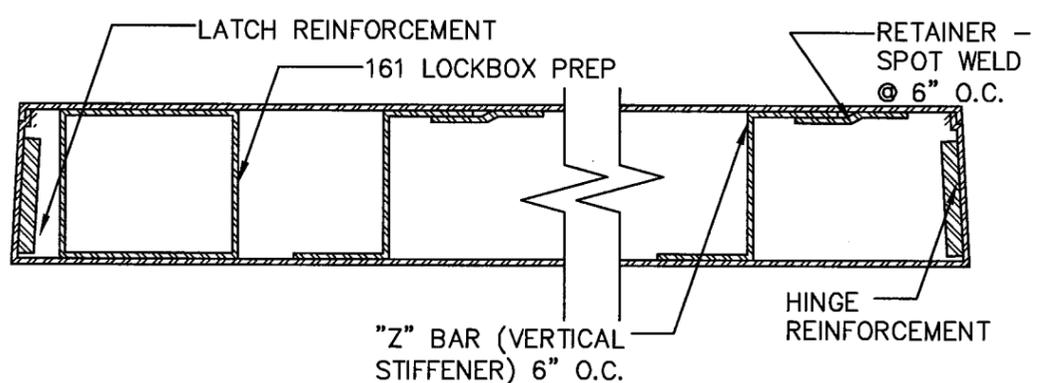
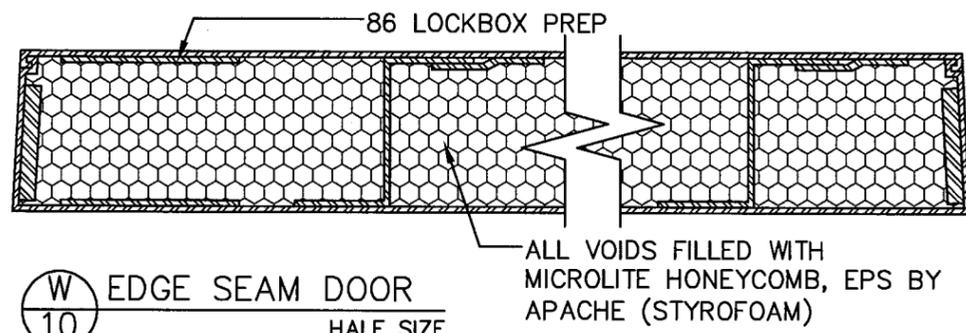
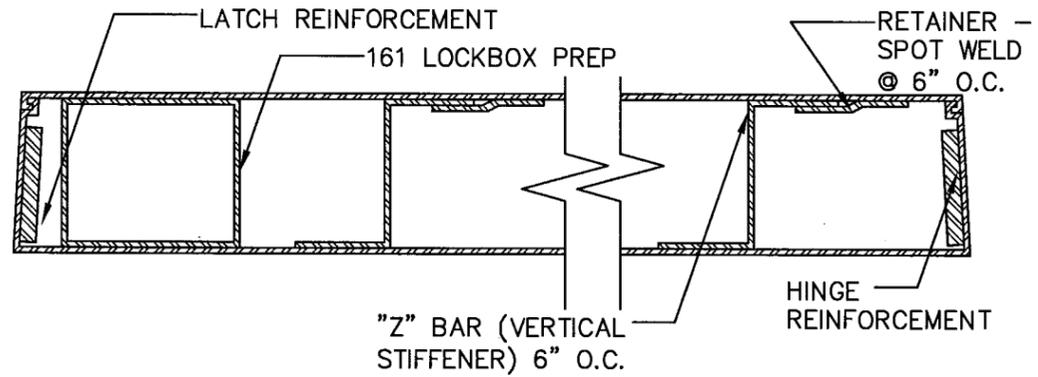
- 1 6-28-2000
- 2 2-23-2005
- 3 7-8-2008

DRAWING NUMBER **QQ2**

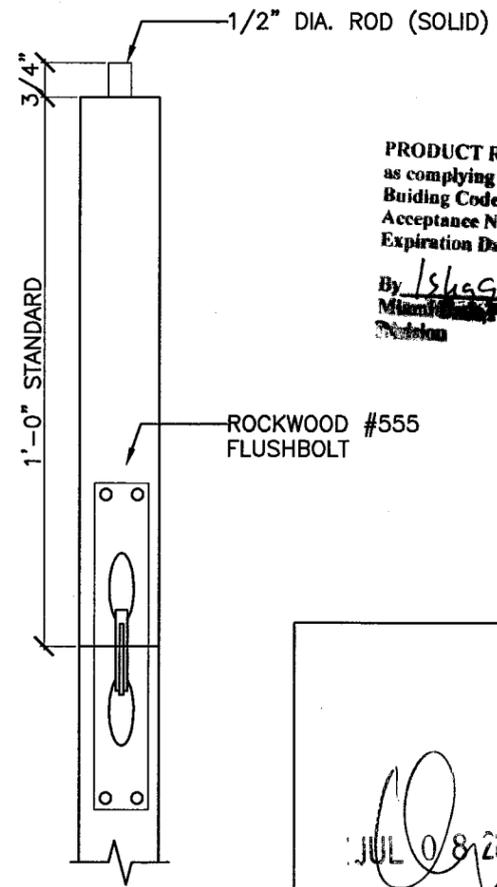
**HURRICANE TEST APPROVAL  
 QQ2**

SHEET **9** OF **13**

DATE **7-8-08**



Y VERTICAL DOOR SECTION  
10 HALF SIZE



Z DETAIL  
10 3\"/>

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 07-1017.10  
Expiration Date July 11, 2013  
By Ishag I. Chaudhry  
Miami Product Control  
Division

JUL 08 2008  
DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)

**DOOR PANEL CONSTRUCTION DETAILS**

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

DRAWING NUMBER QQ2

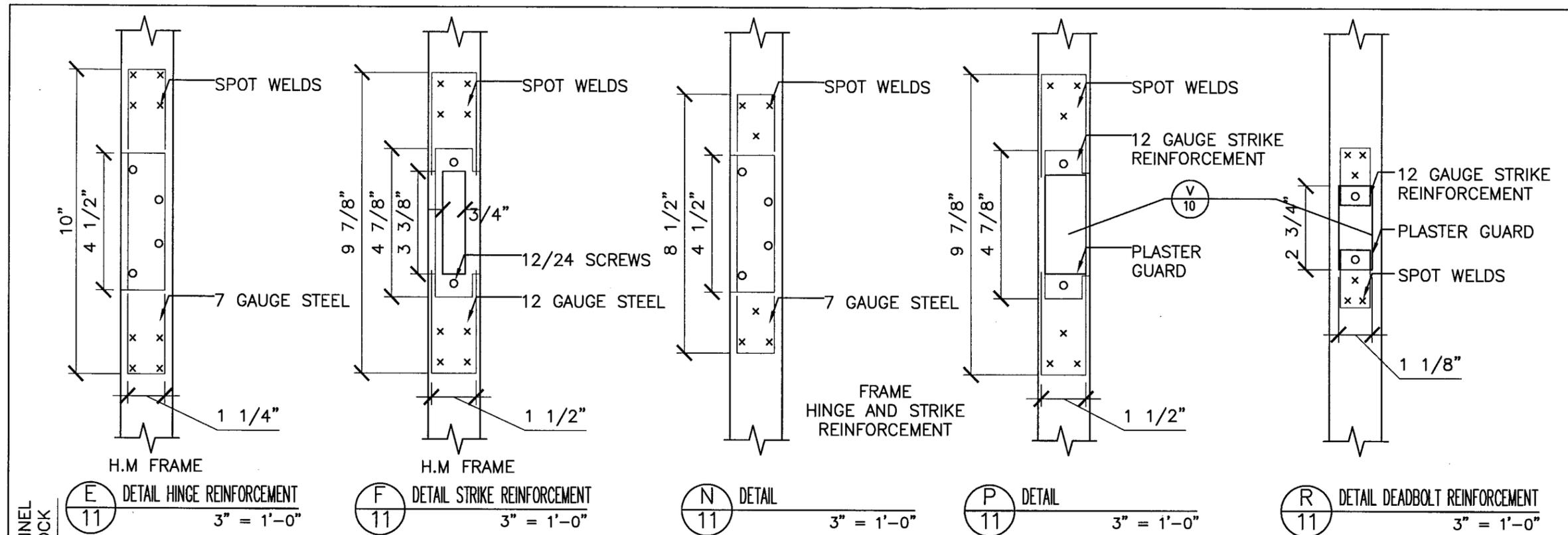
4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

REVISIONS  
1 6-28-2000  
2 2-23-2005  
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HURRICANE TEST APPROVAL  
QQ2

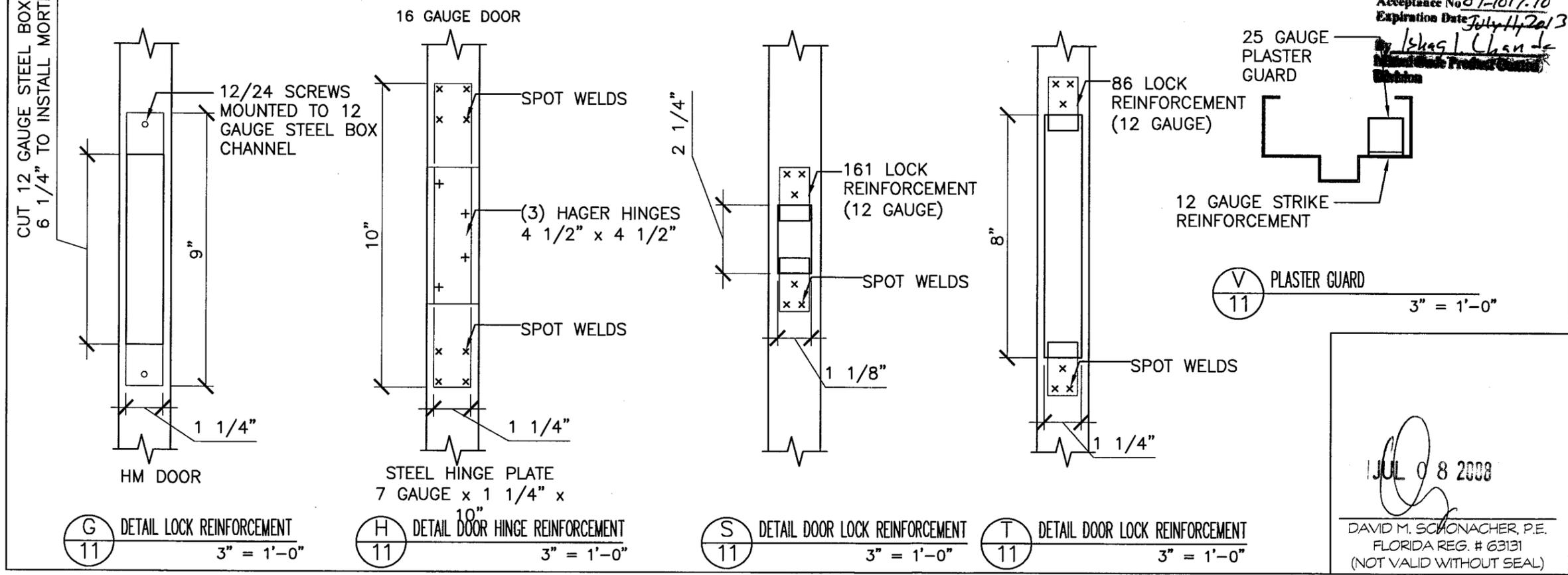
SHEET 10 OF 13  
DATE 7-8-08

*Quality Engineered Products Co., Inc.*



**DOOR & FRAME REINFORCEMENTS**

CUT 12 GAUGE STEEL BOX CHANNEL  
6 1/4" TO INSTALL MORTISE LOCK



PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 07-1017.10  
Expiration Date July 21, 2013  
by Ismael Chen  
Quality Engineered Products Co., Inc.

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

*Quality Engineered Products Co., Inc.*

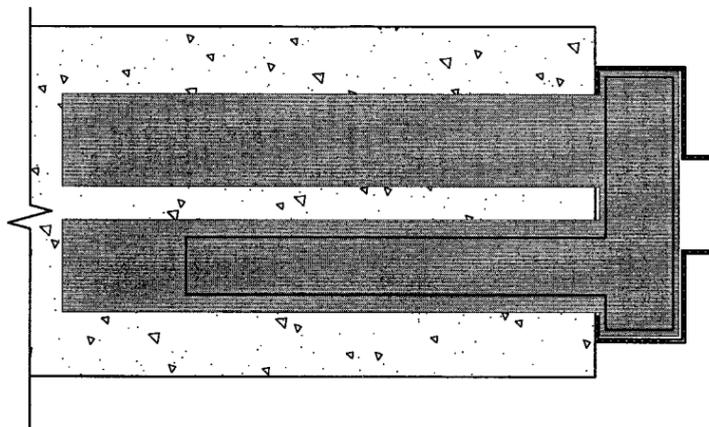
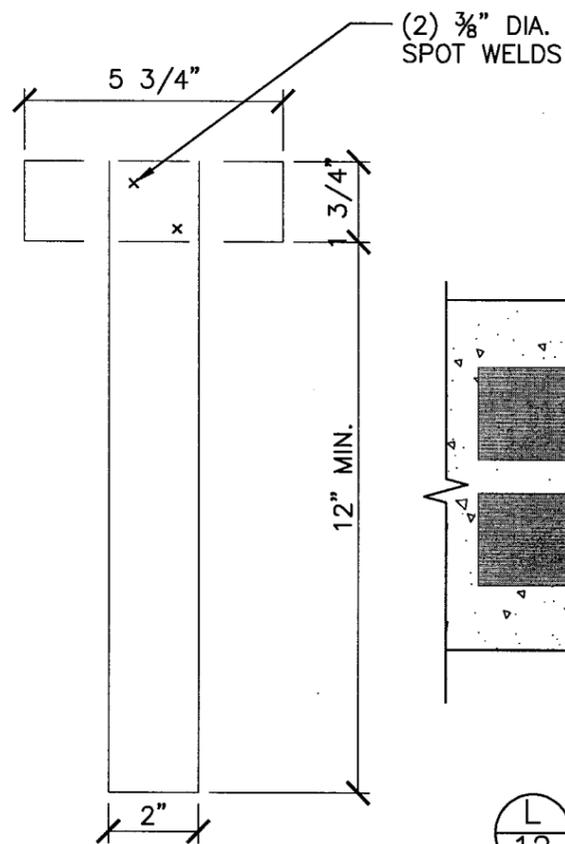
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DRAWING NUMBER QQ2

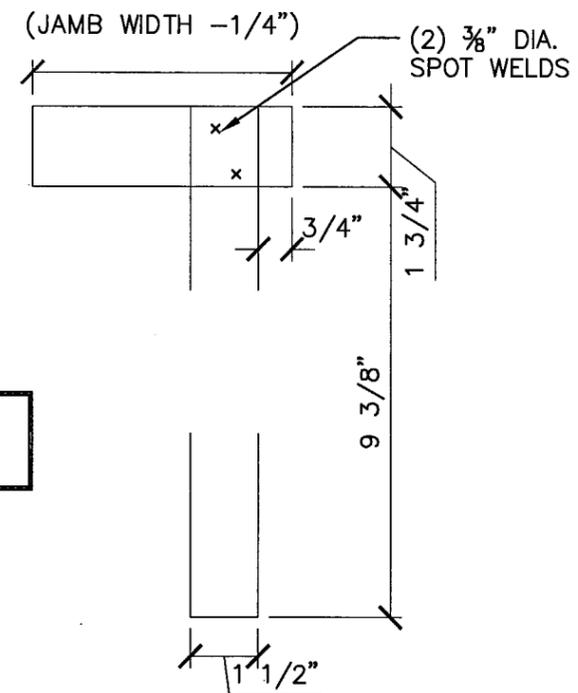
HURRICANE TEST APPROVAL  
QQ2

SHEET 11 OF 13  
DATE 7-8-08

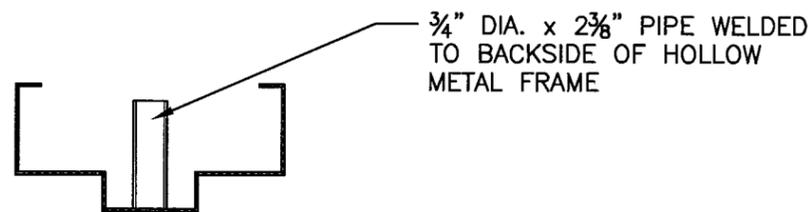
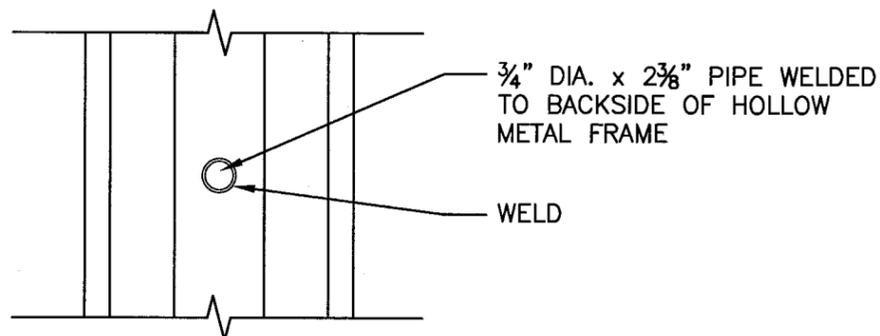
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DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)



**L** DETAIL NEW MASONRY ANCHORING  
12 3" = 1'-0"



OFFSET STEEL TEE ANCHOR



**M** PIPE SLEEVE DETAIL  
12 3" = 1'-0"

### 'T' ANCHOR DETAILS

(SEE APPLICABLE ELEVATION FOR NUMBER OF 'T' ANCHORS REQUIRED)

THICKNESS = 0.059" (16 GA.)  
F<sub>y</sub>MIN. = 30 KSI

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
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Expiration Date July 11, 2013  
By *Ishag I. Chavala*  
Miami Dade Product Control  
Division

JUL 08 2008

DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
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16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

REVISIONS

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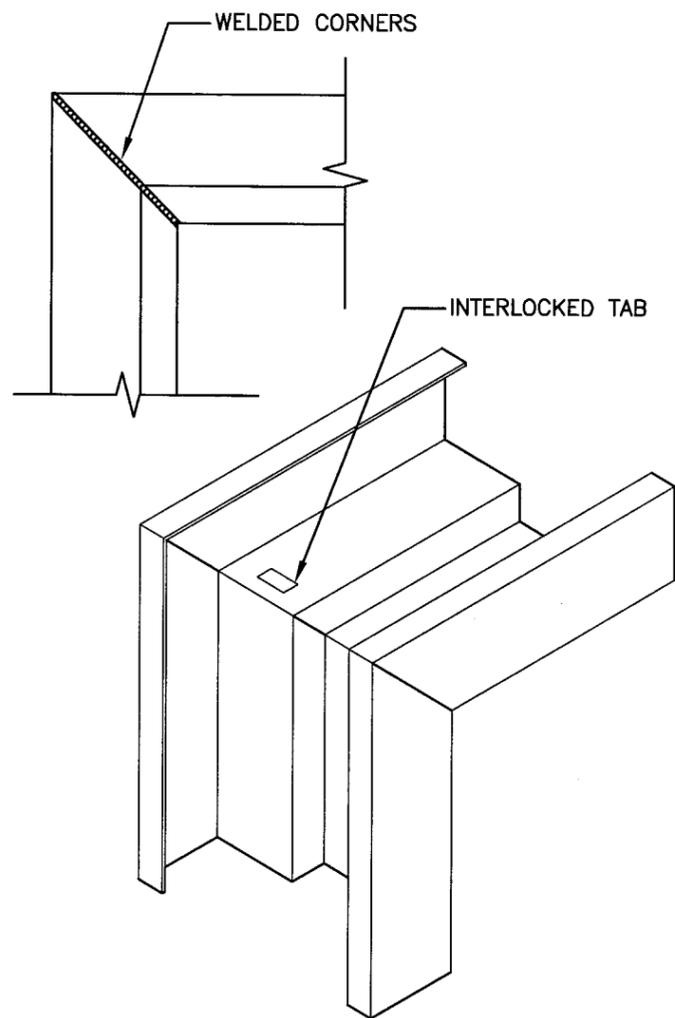
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DRAWING NUMBER QQ2

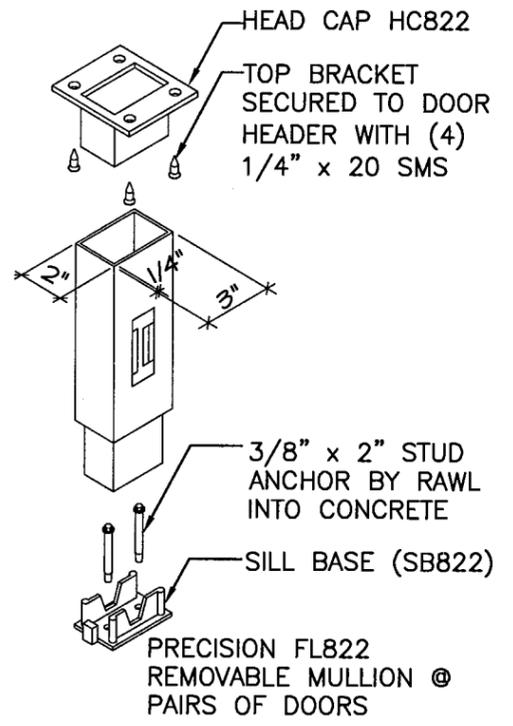
HURRICANE TEST APPROVAL  
QQ2

SHEET 12 OF 13

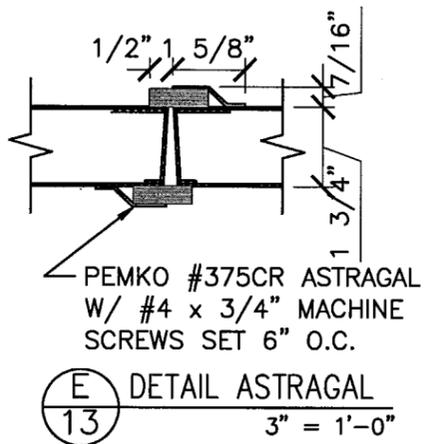
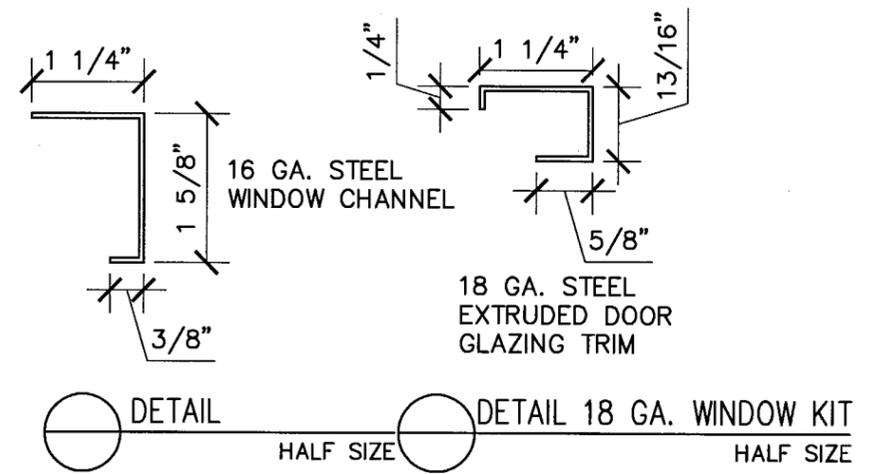
DATE 7-8-08



○ TYPICAL CORNER DETAIL  
3" = 1'-0"



Ⓩ DETAIL REMOVABLE MULLION  
13 1 1/2" = 1'-0"



PRODUCT RENEWED as complying with the Florida Building Code  
Acceptance No. 02-1017-10  
Expiration Date July 11, 2013  
By *Shag I. Chandel*  
Miami Dade Product Control Division

JUL 08 2008

DAVID M. SCHONACHER, P.E.  
FLORIDA REG. # 63131  
(NOT VALID WITHOUT SEAL)

|                |                                |   |   |
|----------------|--------------------------------|---|---|
| DRAWING NUMBER | QQ2                            | 16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR       | 4506 QUALITY LANE<br>TAMPA, FLORIDA 33634<br>(813) 885-1693<br><br><i>Quality Engineered Products Co., Inc.</i> |
|                | HURRICANE TEST APPROVAL<br>QQ2 | REVISIONS<br>1 6-28-2000<br>2 2-23-2005<br>3 7-8-2008 |   |
| SHEET          | 13 OF 13                       | DATE  | 7-8-08  |

**COMMON DETAILS**