



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)

www.miamidade.gov/buildingcode

TRACO Security Windows & Doors, Inc.
71 Progress Avenue
Cranberry Township, PA 16166

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 the High Velocity Hurricane Zone.

DESCRIPTION: Series "Doral-3" Outswing Aluminum Door w/wo Sidelites-N.I.

Limitation: 1. Lower capacity of Doors or Mullion shall control when Sidelites mulled with Snap or Tube mullion

APPROVAL DOCUMENT: Drawing No. **04-113-0007**, titled "Series Doral 3 Outswing Aluminum Patio Door", Sheets 1 thru 6 of 6, prepared by Engineering Express, dated 04/02/09, signed by sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None. Approved Hurricane Protection Devices, complying w/ FBC, required.

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 revises NOA # **06-0629.01** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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

5/14/19



NOA No 08-1020.07
Expiration Date: September 14, 2011
Approval Date: June 03, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS** (transferred from file # **06-0629.01**)
1. Manufacturer's die drawings and sections.
 2. Drawing No. **04-113-0007**, titled "Series Doral 3 Outswing Aluminum Patio Door", Sheets 1 thru 6 of 6, prepared by Engineering Express, dated 04/02/09, signed and sealed by Frank L. Bennardo, P.E.
- B. TESTS** (transferred from file # **06-0629.01**)
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Force Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of a patio door, prepared by Hurricane Test Laboratory, Inc., Test Report No. HTL 0021-0502-03 dated 4/28-6/19/03, signed and sealed by Vinu J. Abraham, P.E.
 2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Force Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of a patio door, prepared by Architectural Testing Test Report No. **ATI 01-50138.01** dated 03/31-04/13/04 and **ATI 50138.02-122-18**, dated 09/21/04, both signed and sealed by Steven M. Urich, P.E.
- C. CALCULATIONS**
1. Anchor Calculations and structural analysis prepared by Engineering Express, dated 09/12/08 and last revised on 04/02/09, signed and sealed by Frank Bennardo, P.E.
 2. Glazing complies w/ ASTM E-1300-02 & -04
- D. QUALITY ASSURANCE**
1. Miami-Dade County Building Code Compliance Office.
- E. MATERIAL CERTIFICATIONS**
1. None
- F. STATEMENTS**
1. Statement letter of conformance to FBC 2007 and no financial interest, dated 09/18/08, signed and sealed by Frank Bennardo, P.E.
 2. Laboratory compliance letters as part of above referenced test reports.
- G. OTHER**
1. This NOA **revises** NOA # **06-0629.01**, expiring 09/14/11.
 2. Previous NOA(s) related to this NOA are # **05-1003.11** & **04-0611.02**

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 08-1020.07
Expiration Date: September 14, 2011
Approval Date: June 03, 2009

CLUSTER OF ANCHORS (MINIMUM QUANTITY SHOWN) REQUIRED AT EACH MULLION/ASTRAGAL AT HEAD AND SILL. MINIMUM SPACING BETWEEN CLUSTER ANCHORS PER ANCHOR SCHEDULE.

"DORAL 3" OUTSWING DOOR, WITH SIDELITES NON-IMPACT RESISTANT

GENERAL NOTES:

1. THE SWING DOOR SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN COMPLIANCE WITH THE HIGH VELOCITY HURRICANE ZONE REQUIREMENTS OF THE 2001 FLORIDA BUILDING CODE, AND MIAMI-DADE COUNTY PROTOCOL TAS 202.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS DOOR SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE DOOR SYSTEM DETAILED HEREIN HAS BEEN TESTED PER MIAMI-DADE COUNTY PROTOCOL TAS-202 AS REFERENCED IN TEST REPORTS #34-532 BY MIAMI TESTING LABORATORY (MTL), #0021-0502-03 BY HURRICANE TEST LABORATORY (HTL), & #01-50138.01 BY ARCHITECTURAL TESTING, Inc (ATI).
5. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT OUTSIDE THE HVHZ. WITHIN THE HVHZ, DEVIATION FROM THIS NOA REQUIRES A ONE TIME NOA FROM THE MIAMI-DADE BULDIN CODE COMPLIANCE OFFICE.
6. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (NOT BY TRACO) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
7. DOOR AND SIDELITE PANELS GLAZED WITH 3/16" TEMPERED GLASS OR WITH 1/2" INSULATED GLASS ARE NOT IMPACT RESISTANT AND SHALL BE PROTECTED WITH MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS FOR ALL INSTALLATIONS.
8. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.

FRANK L. BENNARDO, P.E.
PE0046549
04/02/2009
ENGINEERING EXPRESS
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGINEERINGEXPRESS.COM
CERT. OF AUTH. #9885
A FRANK L. BENNARDO, P.E., INC. INNOVATION

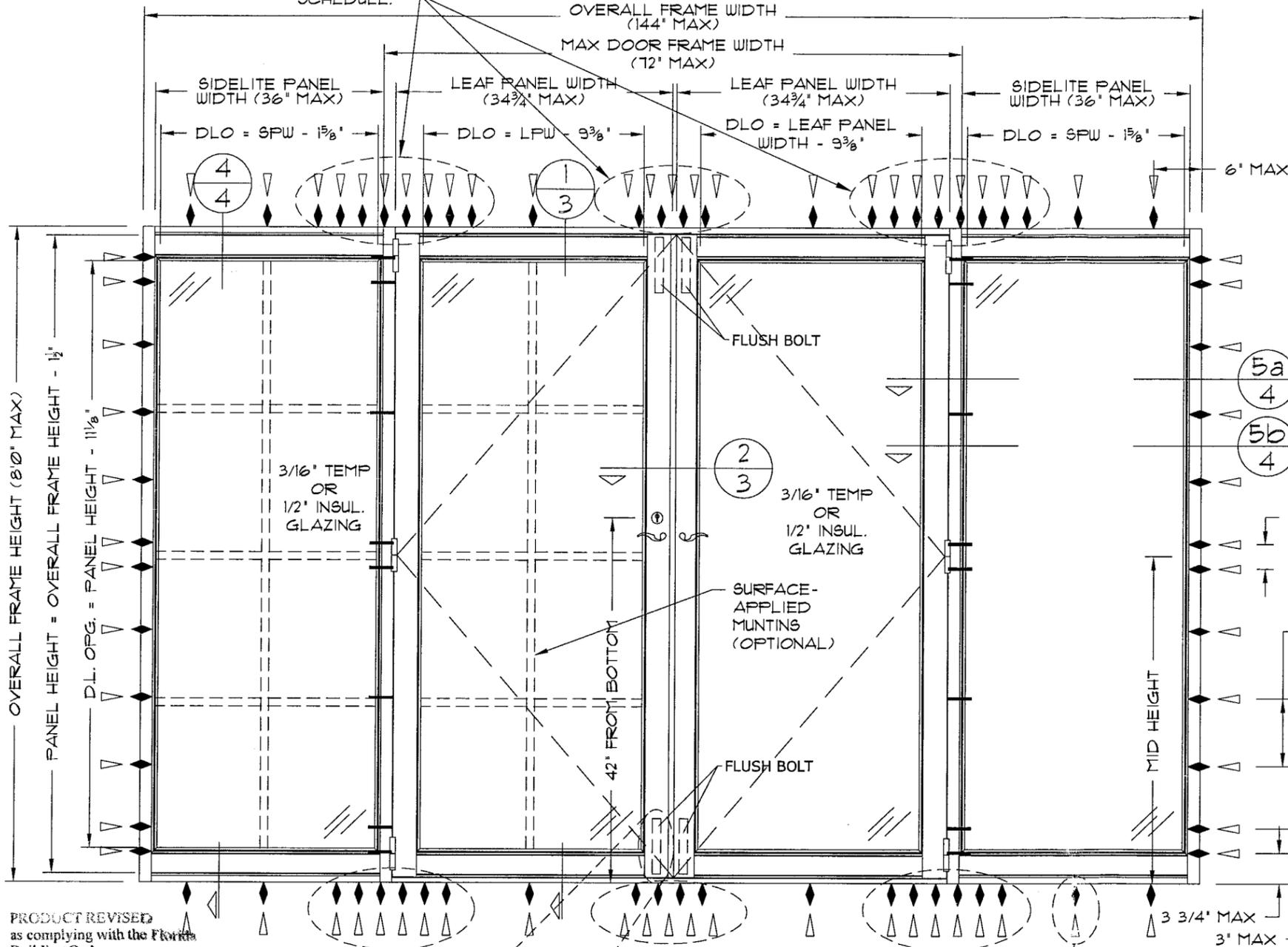


TABLE 1
DOORS WITH SIDELITES (3/16" TEMP or 1/2" INSUL)

| MULLION | SINGLE PANEL DIMENSIONS | | DESIGN LOAD CAPACITY - PSF | | |
|------------------------------|-------------------------|--------------|----------------------------------|------------------------------|-------|
| | PANEL WIDTH | FRAME HEIGHT | POSITIVE | | NEG |
| | | | WHERE WATER * INFILTR. NOT REQ'D | WHERE WATER * INFILTR. REQ'D | |
| SNAP MULLION | 2'-6" | 6'-8" | 72.0 | 50.0 | -69.9 |
| | 2'-8" | | 67.5 | 50.0 | -65.4 |
| | 2'-10 3/4" | 60.0 | 50.0 | -58.2 | |
| | 2'-6" | 8'-0" | 41.9 | 50.0 | -41.9 |
| | 2'-8" | | 39.5 | 50.0 | -39.5 |
| | 2'-10 3/4" | | 36.7 | 50.0 | -36.7 |
| 2"x4" MULLION W/ FRAME JAMBS | 2'-6" | 6'-8" | 72.0 | 50.0 | -69.9 |
| | 2'-8" | | 67.5 | 50.0 | -65.4 |
| | 2'-10 3/4" | 60.0 | 50.0 | -58.2 | |
| | 2'-6" | 8'-0" | 57.7 | 50.0 | -56.1 |
| | 2'-8" | | 54.8 | 50.0 | -53.2 |
| | 2'-10 3/4" | | 50.0 | 50.0 | -48.5 |

TABLE 1 NOTES:
1. "PANEL WIDTH" DENOTES MAX PANEL WIDTH (LEAF PANEL WIDTH OR SIDELITE PANEL WIDTH) FOR EACH OPENING IN HOST STRUCTURE.
2. TABLE 1 APPLIES TO DOORS & SIDELITES GLAZED WITH 3/16" TEMP GLASS OR WITH 1/2" INSULATED GLASS.
* WATER INFILTRATION REQUIREMENTS APPLY WHERE ROOF OVERHANG IS LESS THAN WALL HEIGHT AT DOOR LOCATION.

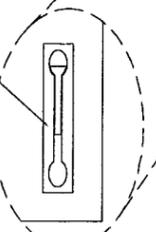
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 08-1020.07 Expiration Date SEPT. 14, 2011

By Ishag J. Chanda
Miami Dade Product Control Division

LEGEND:
▽ WOOD ANCHORS (1" O.C. SPACING FOR ANCHOR CLUSTERS)
◆ CONC./MASONRY ANCHORS (3" O.C. SPACING FOR ANCHOR CLUSTERS)

A EXTERIOR ELEVATION
AS SHOWN, OR OXX, XXO, XOX, XO, OX, or XX CONFIG (N.T.S.)

FLUSH BOLT ON INTERIOR OF ACTIVE AND INACTIVE PANELS AT TOP AND BOTTOM



ALLOWABLE ANCHORS:
TO 2x WOOD BUCK OR WOOD STRUCTURE:
- #14 WOOD SCREW OR 1/4" ITW TAPCONS WITH 1 1/2" MINIMUM EMBEDMENT, 3/4" MINIMUM EDGE DISTANCE, AND 1" MINIMUM SPACING.
TO CONCRETE OR MASONRY:
(DIRECTLY OR THRU 1x OR 2x WOOD BUCK)
- 1/4" ITW TAPCONS WITH 1/4" MINIMUM EMBEDMENT, 2 1/2" MINIMUM EDGE DISTANCE, AND 3" MINIMUM SPACING.

ANCHOR NOTES:
1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. ANCHOR EMBEDMENT SHALL BE INTO BASE MATERIAL, EXCLUDING STUCCO OR OTHER WALL FINISH.
3. BASE MATERIAL SHALL BE WOOD (G=0.55 OR GREATER SPECIFIC GRAVITY), GROUT-FILLED BLOCK (MIN 2000 PSI COMPRESSIVE STRENGTH FOR GROUT), OR CONCRETE (MIN 3000 PSI).
4. SEE EXTERIOR ELEVATIONS FOR ANCHOR LOCATIONS AND SPACING.

F:\01 Project Files\Traco (TRA)\2004 Jobs\04-113-0007 Doral 3 Patio Door (Non Impact)\04-113-0007_04p Doral 3 Patio Door, Non-Impact (NOA).dwg
04/02/2009 - 1:20pm
rbarlett

TRACO
Windows & Doors Inc.
71 Progress Avenue
Carnberry Township, PA 16166
SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR
MIAMI-DADE PRODUCT APPROVAL

| REMARKS | DATE |
|------------------|----------|
| COUNTY COMMENTS | 03/20/09 |
| CHANGE/ADD. DIM. | 08/19/04 |
| D.L.O. DIM EONS | 10/06/04 |
| 2004 FBC | 09/06/05 |
| 2007 FBC | 09/12/08 |

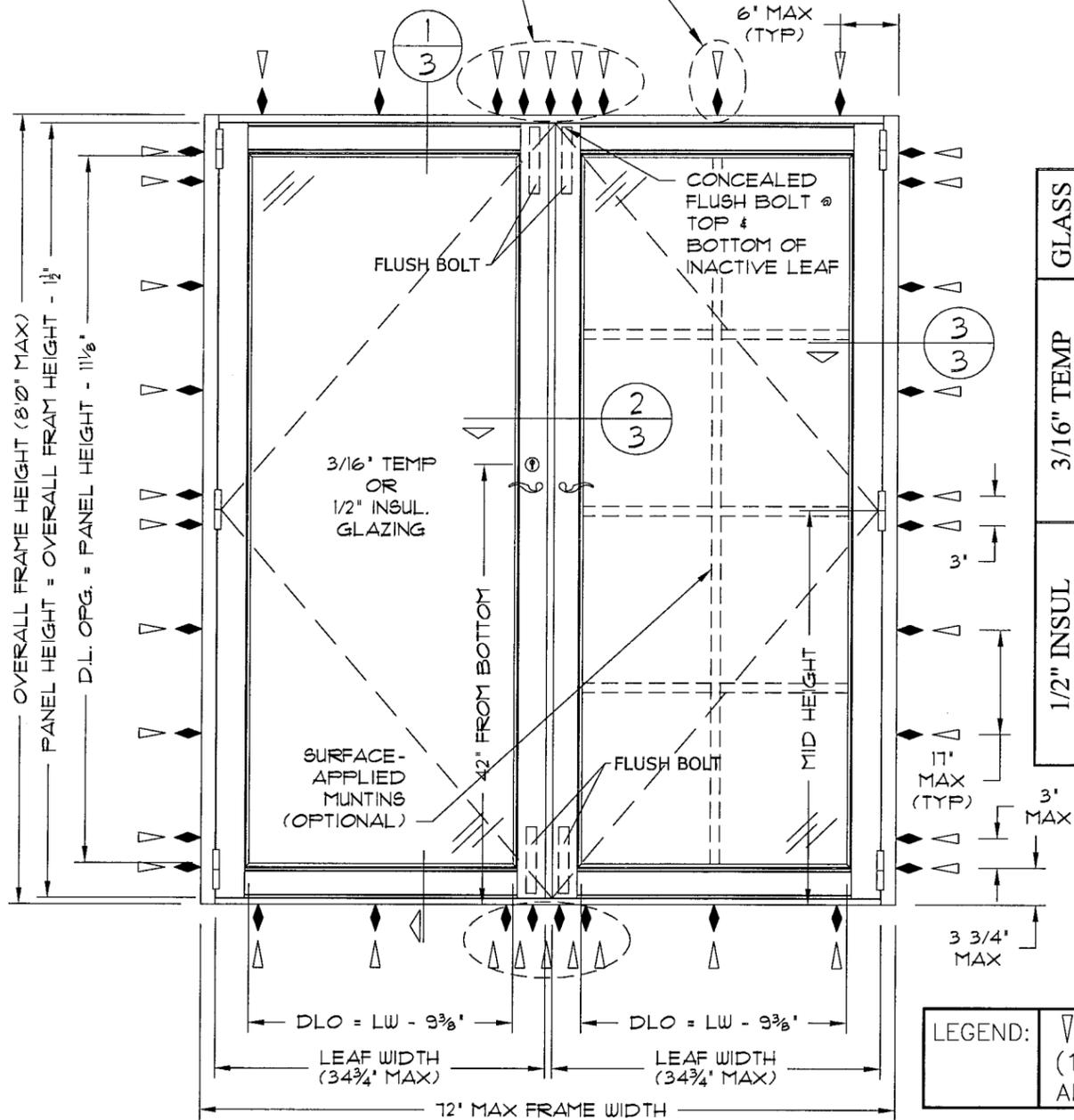
04-113-0007
SCALE: 1/4"
PAGE DESCRIPTION:

04/02/2009 - 1:20pm rbartlett F:\01 Project Files\Traco (TRA)\2004 Jobs\04-113-0007 Doral 3 Patio Door (Non Impact)\04-113-0007_04b Doral 3 Patio Door, Non-impact (NOA).dwg

CLUSTER OF ANCHORS (MINIMUM QUANTITY SHOWN) REQUIRED AT EACH MULLION/ASTRAGAL AT HEAD AND SILL. MINIMUM SPACING BETWEEN CLUSTER ANCHORS PER ANCHOR SCHEDULE.

NON-IMPACT OUTSWING DOOR, NO SIDELITES

(1) ANCHOR REQUIRED AT CENTER OF EACH PANEL



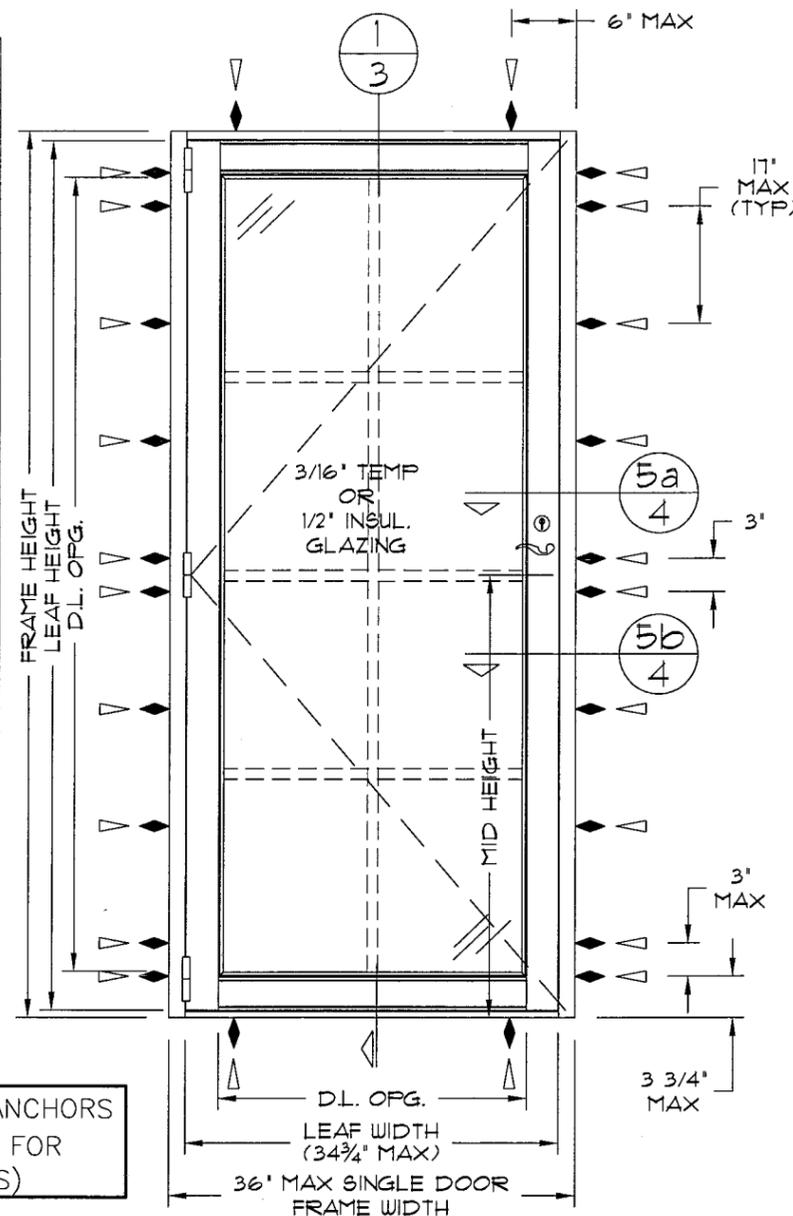
B EXTERIOR ELEVATION AS SHOWN (N.T.S.)

TABLE ②
DOORS ONLY (NO SIDELITES)
DESIGN LOAD CAPACITY - PSF

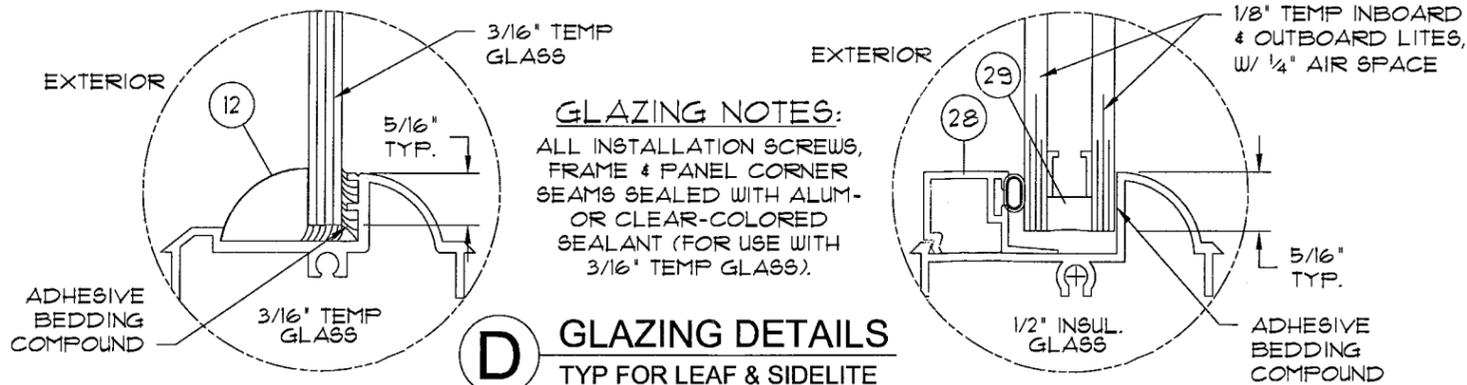
| GLASS | SINGLE PANEL DIMENSIONS | | POSITIVE | | NEG |
|------------|-------------------------|--------------|-------------------------------|---------------------------|-------|
| | PANEL WIDTH | FRAME HEIGHT | WHERE WATER INFILT. NOT REQ'D | WHERE WATER INFILT. REQ'D | |
| 3/16" TEMP | 2'-6" | 6'-8" | 72.0 | 50.0 | -69.9 |
| | 2'-8" | | 68.5 | 50.0 | -65.4 |
| | 2'-10 3/4" | | 62.9 | 50.0 | -58.2 |
| 1/2" INSUL | 2'-6" | 8'-0" | 57.1 | 50.0 | -56.1 |
| | 2'-8" | | 54.8 | 50.0 | -53.2 |
| | 2'-10 3/4" | | 50.0 | 50.0 | -48.5 |

TABLE 2 NOTES:
1. "PANEL WIDTH" DENOTES MAX PANEL WIDTH (LEAF PANEL WIDTH OR SIDELITE PANEL WIDTH) FOR EACH OPENING IN HOST STRUCTURE.
2. TABLE 2 APPLIES TO DOORS GLAZED WITH 3/16" TEMP GLASS OR WITH 1/2" INSULATED GLASS.
* WATER INFILTRATION REQUIREMENTS APPLY WHERE ROOF OVERHANG IS LESS THAN WALL HEIGHT AT DOOR LOCATION.

| | | |
|----------------|---|--|
| LEGEND: | ▽ WOOD ANCHORS (1" O.C. SPACING FOR ANCHOR CLUSTERS) | ◆ CONC./MASONRY ANCHORS (3" O.C. SPACING FOR ANCHOR CLUSTERS) |
|----------------|---|--|



C EXTERIOR ELEVATION AS SHOWN (N.T.S.)



D GLAZING DETAILS TYP FOR LEAF & SIDELITE

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. **08-1020.07** Expiration Date **SEPT. 14, 2011**
By *Isaac I. Chanda*
Miami Dade Product Control Division

FRANK L. BENNARDO, P.E.
#PE0046549

04/02/2009

ENGINEERING EXPRESS®

160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGEXP.COM

CERT. OF AUTH. #9885
A FRANK L. BENNARDO, P.E., INC. INNOVATION

TRACO
Windows & Doors Inc.
71 Progress Avenue
Carnberry Township, PA 16166

SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR
MIAMI-DADE PRODUCT APPROVAL

| DATE | DRWN | CHKD | REMARKS |
|----------|------|------|------------------|
| 03/20/09 | RKB | CL | COUNTY COMMENTS |
| 08/19/04 | | | CHANGE/ADD. DIM. |
| 10/06/04 | | | D.L.O. DIM EQNS |
| 09/08/05 | | | 2004 FBC |
| 09/12/08 | | | 2007 FBC |

04-113-0007

SCALE: 1/4" = 1'-0"

PAGE DESCRIPTION: 04

2

04/02/2009 - 1:20pm rbartlett F:\01 Project Files\Traco (TRA)\2004 Jobs\04-113-0007 Doral 3 Patio Door (Non-Impact)\04-113-0007_04b Doral 3 Patio Door, Non-Impact (NOA).dwg

FRANK L. BENNARDO, P.E.
PE0046549

04/02/2009

ENGINEERING EXPRESS
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #8885
A FRANK L. BENNARDO, P.E., INC. INNOVATION

TRACO
Windows & Doors Inc.
71 Progress Avenue
Carnberry Township, PA 16166
SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR
MIAMI-DADE PRODUCT APPROVAL

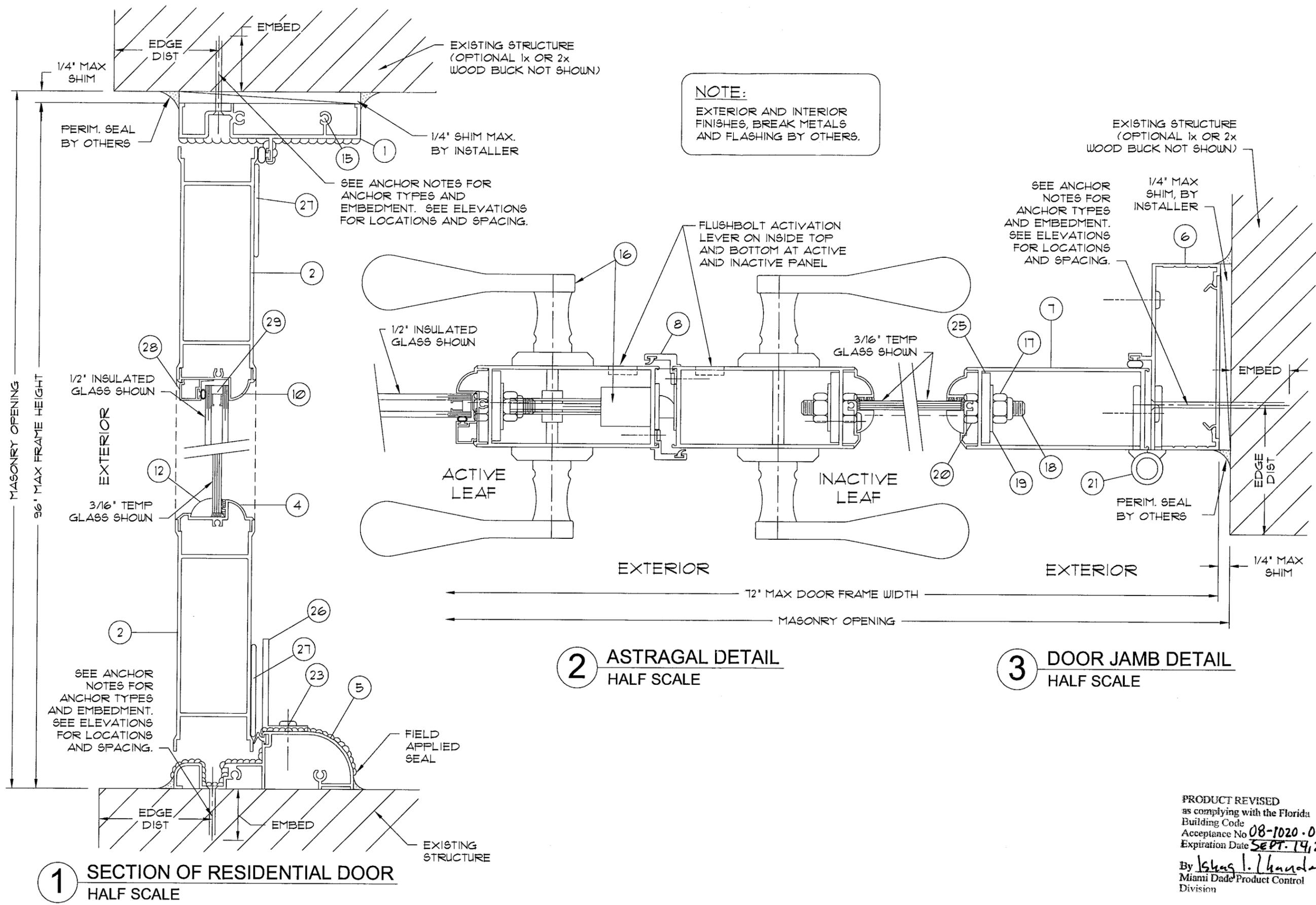
| REMARKS | DRWN | CHKD | DATE |
|------------------|------|------|----------|
| COUNTY COMMENTS | RKB | CL | 03/20/09 |
| CHANGE/ADD. DIM. | | | 08/19/04 |
| D.L.O. DIM EQNS | | | 10/06/04 |
| 2004 FBC | | | 09/06/05 |
| 2007 FBC | | | 09/12/08 |

04-113-0007

SCALE: 1/4"

PAGE DESCRIPTION:

3

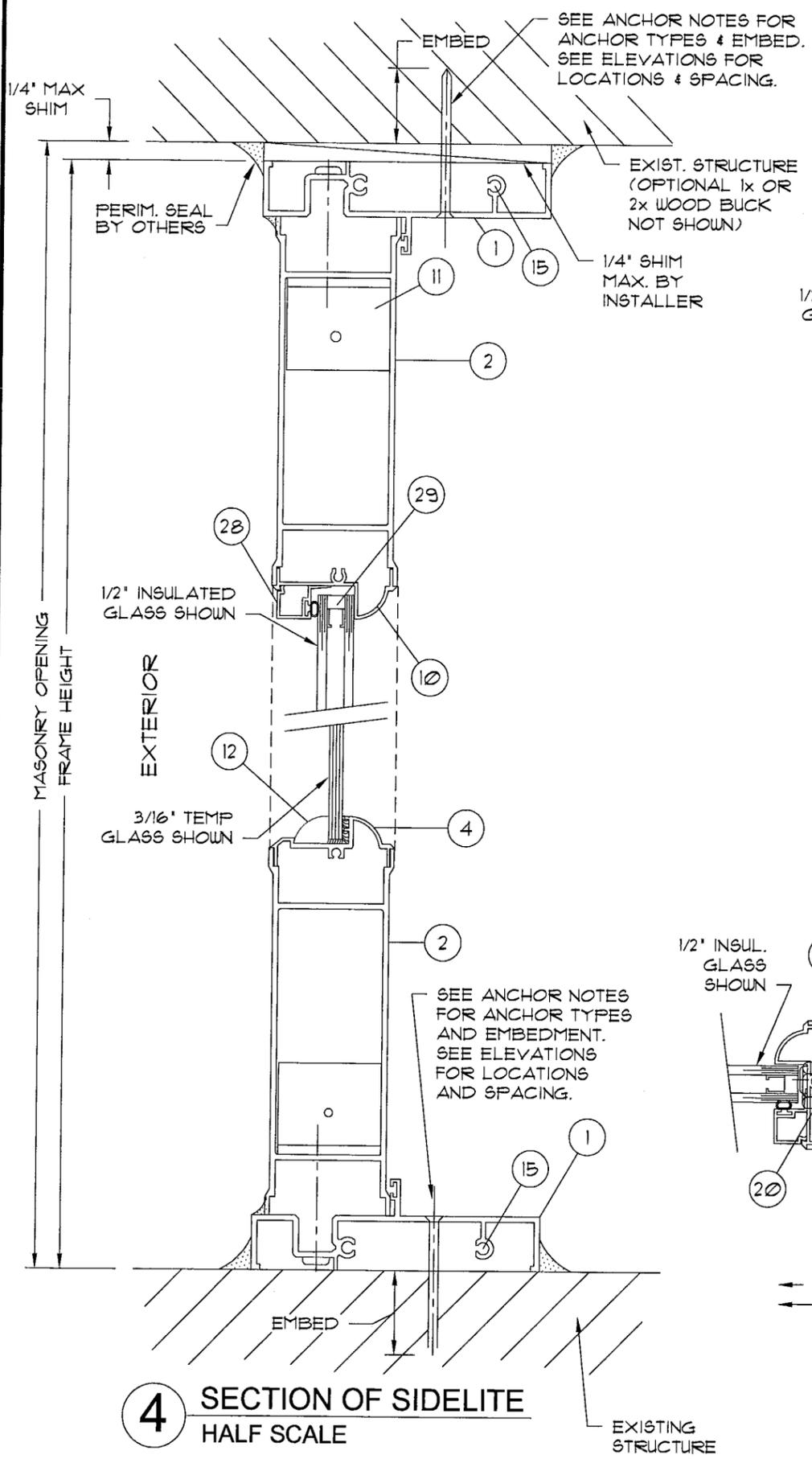


NOTE:
EXTERIOR AND INTERIOR FINISHES, BREAK METALS AND FLASHING BY OTHERS.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No **08-1020.07**
Expiration Date **SEPT. 14, 2011**
By *Frank L. Bennardo*
Miami Dade Product Control Division

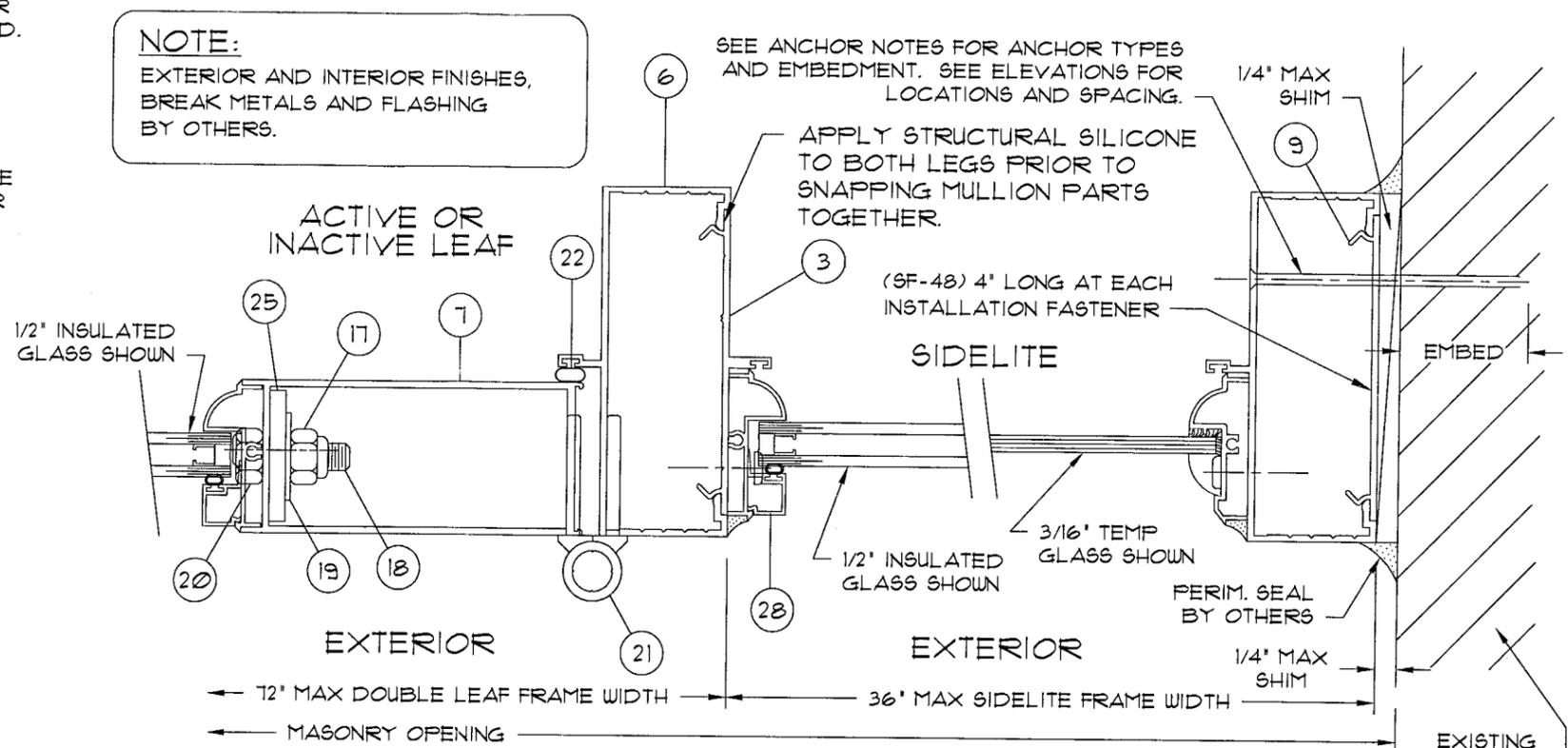
F:\01 Project Files\Traco (TRA)\2004_Jobs\04-113-0007 Dorral 3 Patio Door (Non Impact)\04-113-0007_04b Dorral 3 Patio Door, Non-Impact (NOA).dwg

04/02/2009 - 1:20pm tbarlett

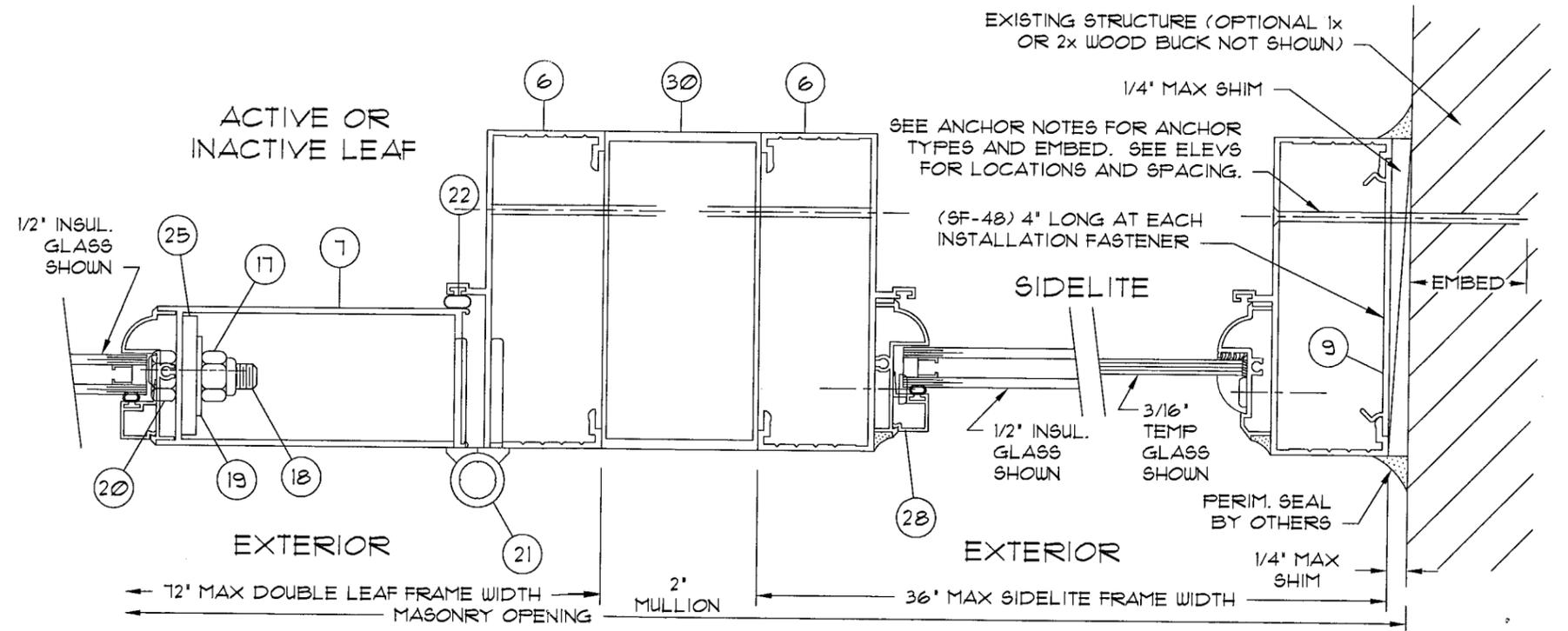


4 SECTION OF SIDELITE
HALF SCALE

NOTE:
EXTERIOR AND INTERIOR FINISHES,
BREAK METALS AND FLASHING
BY OTHERS.



5a SECTION OF DOOR JAMB & SIDELITE (SNAP MULLION)
HALF SCALE



5b SECTION OF DOOR JAMB & SIDELITE (2" TUBE MULLION)
HALF SCALE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-1020.07
Expiration Date SEPT. 14, 2011
By *(Signature)*
Miami Dade Product Control
Division

FRANK L. BENNARDO, P.E.
PE0046549

04/02/2009

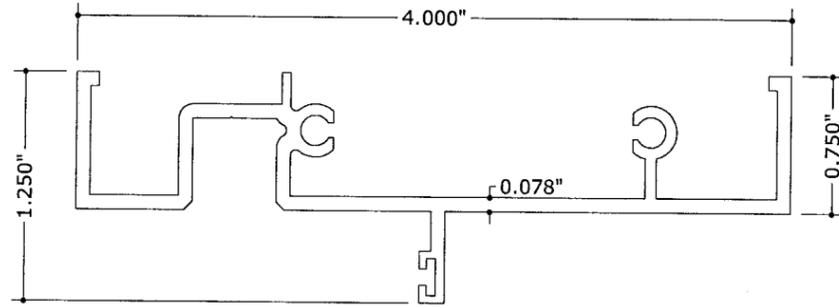
ENGINEERING EXPRESS
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #8865
A FRANK L. BENNARDO, P.E., INC. INNOVATION

TRACO
Windows & Doors Inc.
71 Progress Avenue
Camberry Township, PA 16166
SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR
MIAMI-DADE PRODUCT APPROVAL

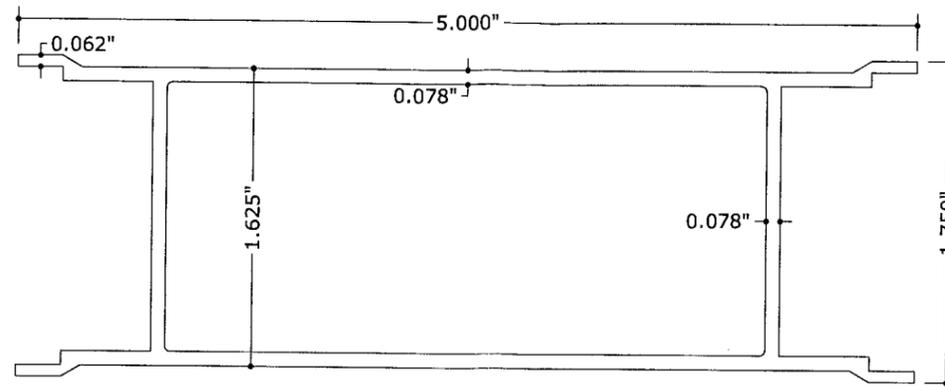
| REMARKS | DRWN | CHKD | DATE |
|------------------|------|------|----------|
| COUNTY COMMENTS | RKB | CL | 03/20/09 |
| CHANGE/ADD. DIM. | | | 08/19/04 |
| D.L.O. DIM EONS | | | 10/06/04 |
| 2004 FBC | | | 08/06/05 |
| 2007 FBC | | | 08/12/06 |

04-113-0007
SCALE: 1/4"
PAGE DESCRIPTION:

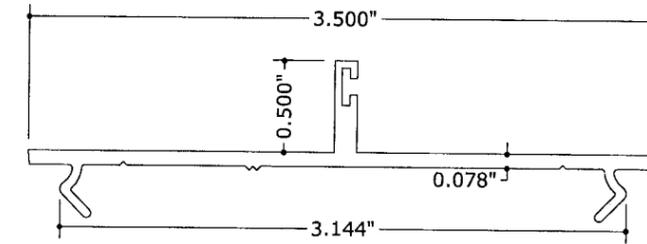
04/02/2009 - 1:20pm rbartlett F:\01 Project Files\Traco (TRA)\2004 Jobs\04-113-0007 Doral 3 Patio Door (Non Impact)\04-113-0007 Doral 3 Patio Door, Non-Impact (NOA).dwg



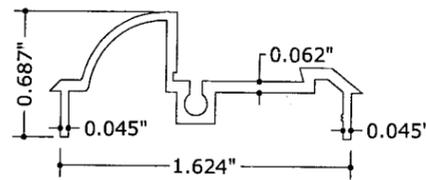
1 DOOR FRAME HEAD
SIDELITE FRAME HEAD/SILL
1'-0" = 1'-0" 6063-T6



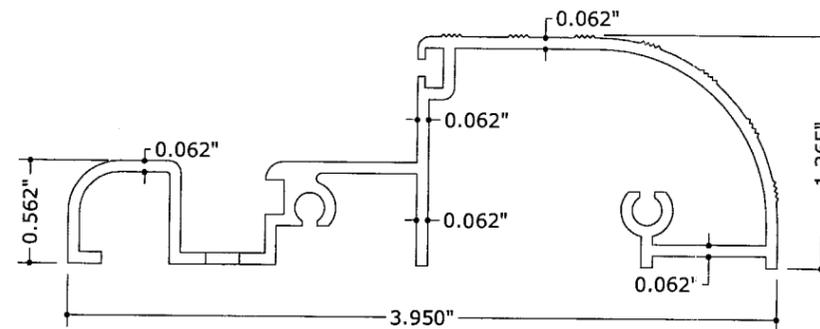
2 PANEL TOP AND BOTTOM RAIL
1'-0" = 1'-0" 6063-T5



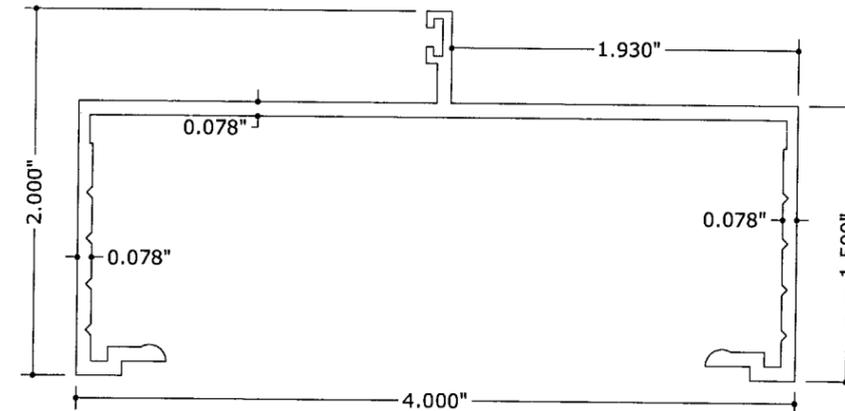
3 SNAP CANTILEVER
1'-0" = 1'-0" 6063-T5



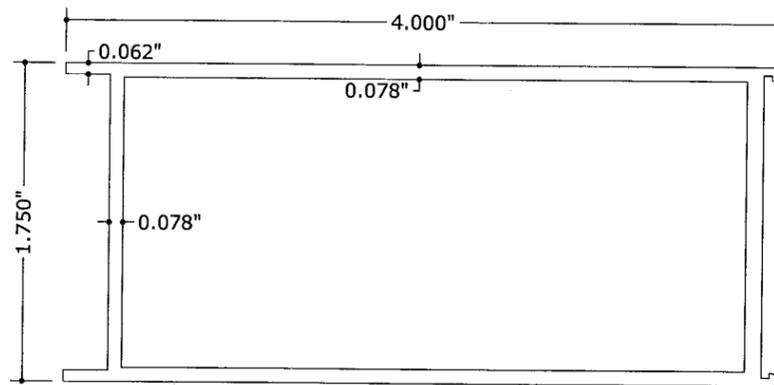
4 GLAZING SUBFRAME
1'-0" = 1'-0" 6063-T6



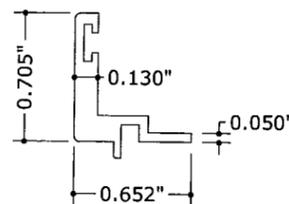
5 THRESHOLD
1'-0" = 1'-0" 6063-T5



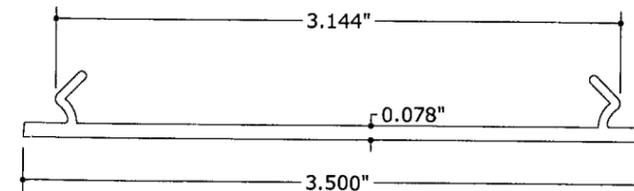
6 FRAME JAMB
1'-0" = 1'-0" 6063-T5



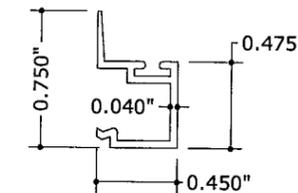
7 PANEL STILE
1'-0" = 1'-0" 6063-T5



8 GAP CLOSURE
1'-0" = 1'-0" 6063-T5



9 INSTALLATION CLIP
1'-0" = 1'-0" 6063-T5



28 GLAZING BEAD
1'-0" = 1'-0" 6063-T5

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-1020-07
Expiration Date SEPT. 14, 2011
By Ishag I. Chande
Miami Dade Product Control
Division



FRANK L. BENNARDO, P.E.
PE0046549
160 SW 12th AVENUE, # 106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGEXP.COM
CERT. OF AUTH. #8885
A FRANK L. BENNARDO, P.E., INC. INNOVATION



71 Progress Avenue
Camberly Township, PA 16166

SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR
MIAMI-DADE PRODUCT APPROVAL

| REMARKS | DRWN | CHKD | DATE |
|------------------|------|------|----------|
| COUNTY COMMENTS | RKB | CL | 03/20/09 |
| CHANGE/ADD. DIM. | | | 08/19/04 |
| D.L.O. DIM EQNS | | | 10/06/04 |
| 2004 FBC | | | 09/06/05 |
| 2007 FBC | | | 09/12/08 |

04-113-0007

SCALE: 04
PAGE DESCRIPTION:

MATERIAL LIST

| ITEM No. | PART No. | QUANTITY | DESCRIPTION | MAT'L | MFR/SUPPLIER/REMARKS |
|----------|-------------|------------------------|---|----------|-----------------------|
| 1 | S-1133 | 1/DOOR 2/SIDELITE | ATRIUM FRAME HEAD | 6063-T6 | TRECO |
| 2 | H-1129 | 2/ LEAF | DOOR LEAF TOP & BOTTOM RAIL | 6063-T5 | TRECO |
| 3 | S-1131 | 1/ SIDELITE | SNAP CANTILEVER | 6063-T5 | TRECO |
| 4 | S-1140 | 4/ GLASS LITE | GLAZING SUB FRAME (3/16" GLASS) | 6063-T5 | TRECO |
| 5 | S-1128 | 1 * DOOR | THRESHOLD | 6063-T5 | TRECO |
| 6 | S-1127 | 2/ DOOR 1/ SIDELITE | ATRIUM FRAME JAMB | 6063-T5 | TRECO |
| 7 | H-1130 | 2/ LEAF | RESIDENTIAL DOOR PANEL VERTICAL STILE | 6063-T5 | TRECO |
| 8 | S-1131 | 1/ LEAF | GAP CLOSURE | 6063-T5 | TRECO |
| 9 | 50-0128 | AS REQD. | INSTALLATION CLIP (4' LG.) AT ANCHORS | 6063-T5 | TRACO |
| 10 | S-1121 | 4/ GLASS LITE | GLAZING SUB-FRAME (INSULATED GLASS) | 6063-T5 | TRECO |
| 11 | 50-0127 | AS REQD. | ANGLE GUSSET | ALUMINUM | TRACO |
| 12 | 006-10-009 | AS REQD. | ROLL FORMED GLAZING BEAD | - | - |
| 13 | 012-02-610 | AS REQD. | 3/8" X 1" PPH. SMS. | - | - |
| 15 | 012-02-130 | 8/ FRAME | 1/2" X 1" DOOR FRAME ASSEMBLY SCREW | - | - |
| 16 | - | AS REQD. | DOOR HANDLE W/ THROW-BOLT LOCK | - | BY INGERSOLL RAND |
| 17 | 013-00-009 | 4/ LEAF | NYLON INSERT LOCKNUT | STEEL | - |
| 18 | 015-00-053 | 2/ LEAF | THREADED ROD | STEEL | - |
| 19 | 013-00-004 | 4/ LEAF | 1/2" FLAT WASHER | STEEL | - |
| 20 | 013-00-005 | 4/ LEAF | HEX NUT | - | - |
| 21 | 007-10-081 | 3/ LEAF | LEFT HINGE | - | RH HINGE (007-10-082) |
| 22 | 047-10-0141 | 2/ LEAF | 0.360 H X 0.181 B FINSEAL | - | - |
| 23 | 15-0056 | 4 | 3/8" X 1/2" PPH. TEK | - | - |
| 25 | 50-0726 | 4/ LEAF | SHEAR BLOCK | - | TRACO |
| 26 | S-1118 | 1 | OPTIONAL SILL RISER | ALUMINUM | TRECO |
| 27 | 048-10-004 | 1/ LEAF | 1" X 0.50" ALUM BAR (BETWEEN VERTICALS) | ALUMINUM | COILSTOCK |
| 28 | S-1135 | AS REQD. | GLAZING BEAD FOR INSULATED GLAZING | ALUMINUM | W/ GASKET |
| 29 | - | AS REQD. | CONTINUOUS METAL SPACER | - | - |
| 30 | H-1006 | AS REQD. | 2" X 4" ALUMINUM TUBE MULLION | 6063-T5 | TRECO |

ADDITIONAL SYSTEM NOTES

SEALANTS:

ALL FRAME AND LEAF CORNERS, INSTALLATION SCREW HEADS (AT SILL & JAMBS), AND BOTTOM GLAZING BEAD SEALED WITH SCHEE MOREHEAD 3504 SEALANT

HINGES:

4' LONG ALUM. BUTT HINGES WITH 3/2" DIA X 2-1/2" ALUM PIN, BRASS SPACER AND NYLON CAPS AT 3 1/2" FROM TOP & BOTTOM AND AT MIDSPAN

LOCKS:

STANDARD STEEL THROW BOLT LOCK, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR 39 1/2" FROM BOTTOM AT ACTIVE LEAF LOCK STILE.

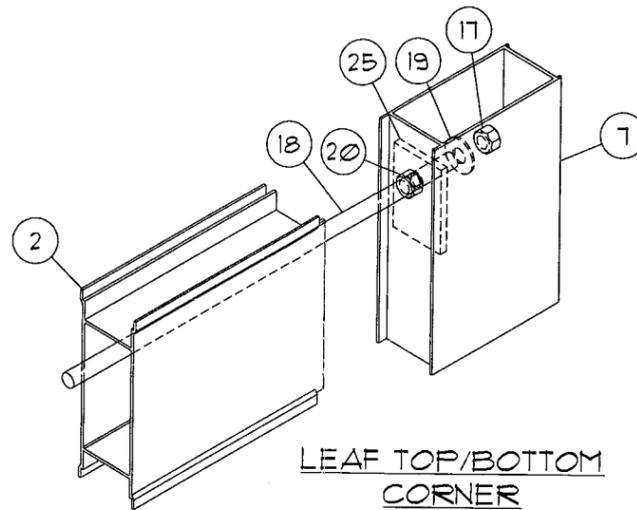
CONVENTIONAL LOCKSET WITH LEVER TYPE OPERATOR HANDLE AT ACTIVE LEAF LOCK STILE NEAR MIDSPAN.

STANDARD FLUSH BOLTS, MANUALLY OPERATED AT TOP AND BOTTOM OF EACH ACTIVE AND INACTIVE LEAF.

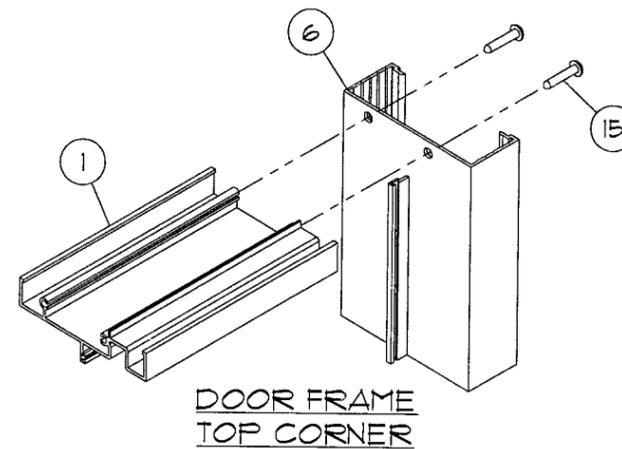
WEATHER-STRIPPING CONFIGURATIONS

| | HEAD | JAMBS (2) | MEETING RAIL (2) | SILL |
|---|------|--------------|---------------------|------|
| 1 | a | a | a | a |
| 2 | c | c | a | d |
| 3 | c | c | b | d |

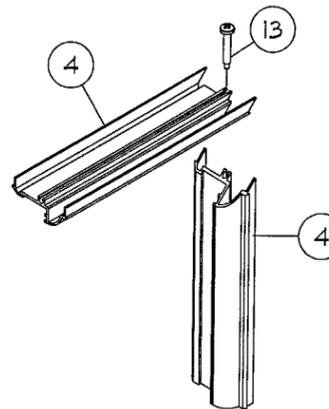
- a  FIN SEAL
- b  VINYL FLAP
- c  VINYL BULB
- d  FOAM-TITE LEAF



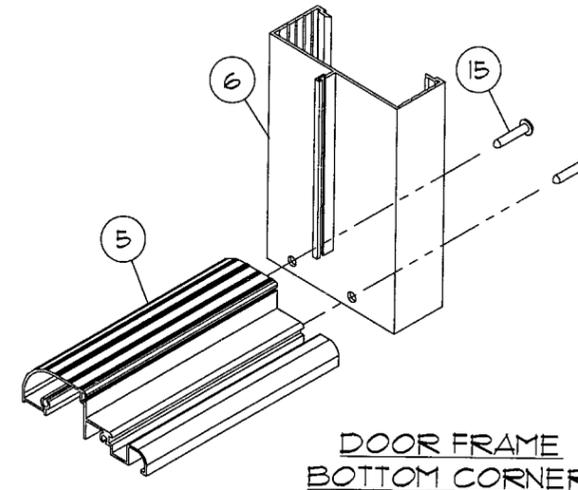
LEAF TOP/BOTTOM CORNER



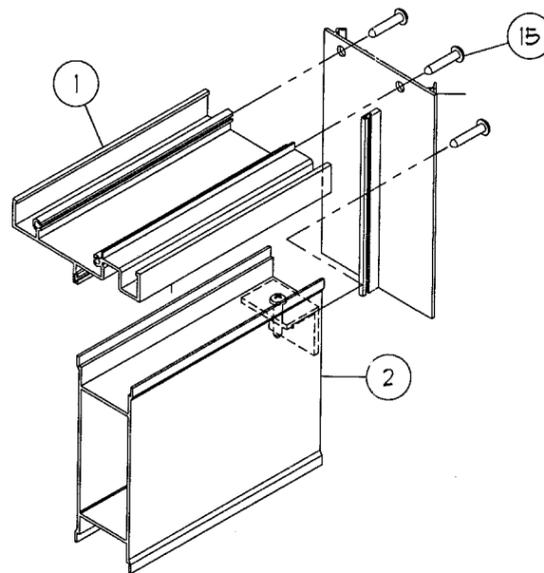
DOOR FRAME TOP CORNER



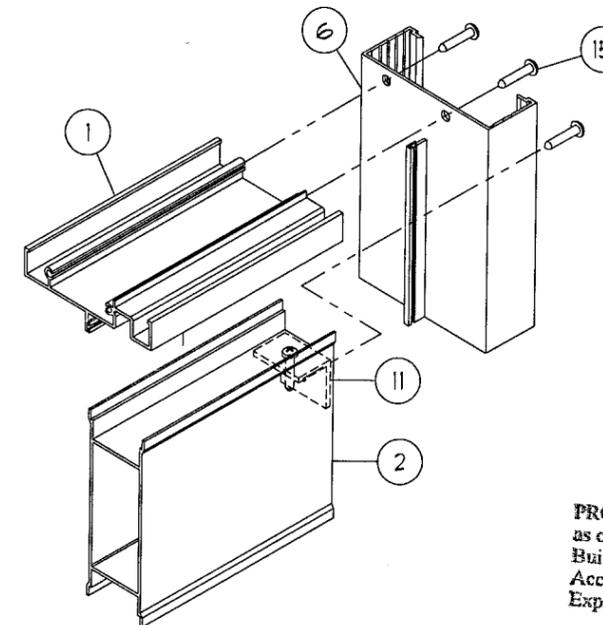
GLAZING INSERT CORNER



DOOR FRAME BOTTOM CORNER



SIDELITE FRAME TOP & BOTTOM CORNER AT MULLION



SIDELITE FRAME TOP AND BOTTOM CORNER

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-1020.07
Expiration Date SEPT. 14, 2011

By *Frank L. Bennardo*
Miami Dade Product Control
Division

FRANK L. BENNARDO, P.E.
PE0046549

04/02/2009

ENGINEERING EXPRESS

160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443

WWW.ENGEXP.COM
CERT. OF AUTH. #9885

A FRANK L. BENNARDO, P.E., INC. INNOVATION

TRACO
Windows & Doors Inc.

71 Progress Avenue
Carnberry Township, PA 16166

SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR
MIAMI-DADE PRODUCT APPROVAL

| REMARKS | DRWN | CHKD | DATE |
|------------------|------|------|----------|
| COUNTY COMMENTS | RKB | CL | 03/20/09 |
| CHANGE/ADD. DIM. | | | 08/19/04 |
| D.L.O. DIM EQNS | | | 10/06/04 |
| 2004 FBC | | | 09/06/05 |
| 2007 FBC | | | 09/12/08 |

04-113-0007

SCALE: 1/4"
PAGE DESCRIPTION:

6