



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Poma & Sons, Inc.
2049 S.W. Poma Drive
Palm City, Florida 34990

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: "G-602" Aluminum Glazed Railing System

APPROVAL DOCUMENT: Drawing No. 010-0005(F), titled "Aluminum Glazed Railing", sheets 1 through 4 of 4, prepared by Poma & Sons, Inc., dated June 14, 2012, signed and sealed by Timothy C. Boudah, P.E., on June 18, 2012, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

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 the 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. The structural adequacy of the supporting structures is not part of this approval & shall be reviewed by the corresponding Building Dept.

This NOA consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
09/20/2012

NOA No. 10-1012.04
Expiration Date: 09/20/2017
Approval Date: 09/20/2012

Poma & Sons, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 010-0005(F), titled " Aluminum Glazed Railing ", sheets 1 through 4 of 4, prepared by Poma & Sons, Inc., dated June 14, 2012, signed and sealed by Timothy C. Boudah, P.E., on June 18, 2012.*

B. TESTS

1. *Test per ANSI Z 97.1 and TAS 202, Report No. 6090, by Fenestration Testing Laboratory, Inc., dated June 14, 2010, signed and sealed by Jorge A. Causo, P.E.*
2. *Test per ANSI Z 97.1 and TAS 202, Report No. 6047, by Fenestration Testing Laboratory, Inc., dated June 10, 2010, signed and sealed by Jorge A. Causo, P.E.*
3. *Test per ANSI Z 97.1, Report No. 6535, by Fenestration Testing Laboratory, Inc., dated August 12, 2011, signed and sealed by Marlin D. Brinson, P.E.*

C. CALCULATIONS

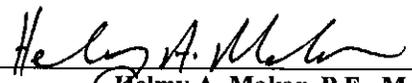
1. *Calculation titled " Aluminum Glazed Railing Style G-602 ", dated September 30, 2010, by Timothy C. Boudah, P.E., signed and sealed by Timothy C. Boudah, P.E.*

D. QUALITY ASSURANCE

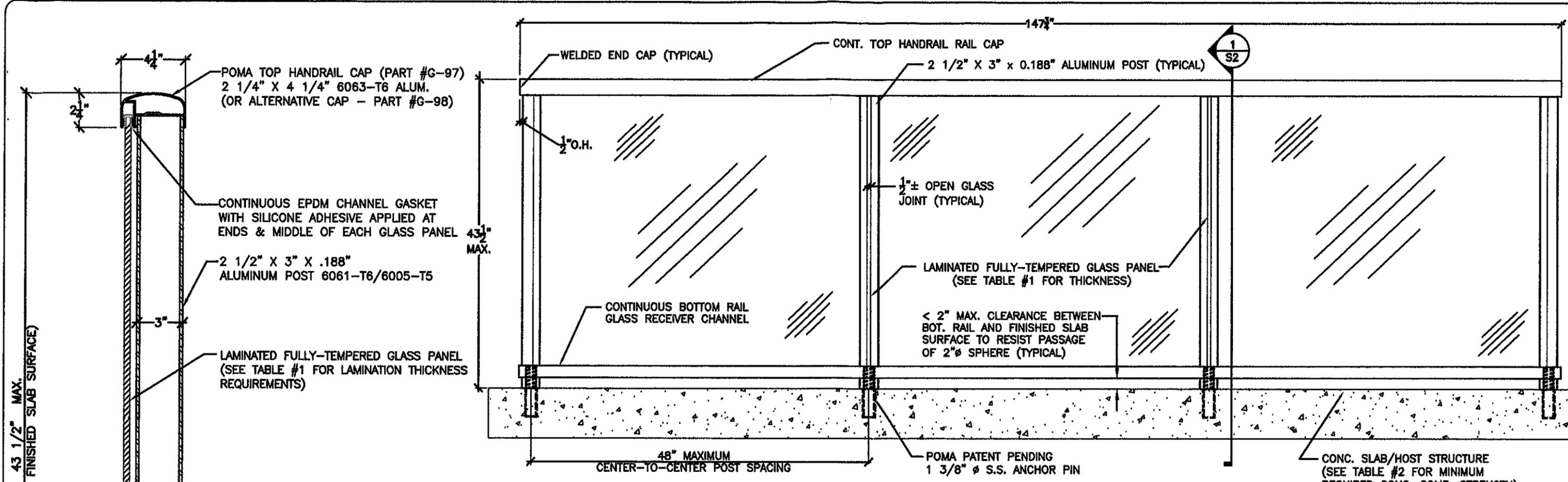
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

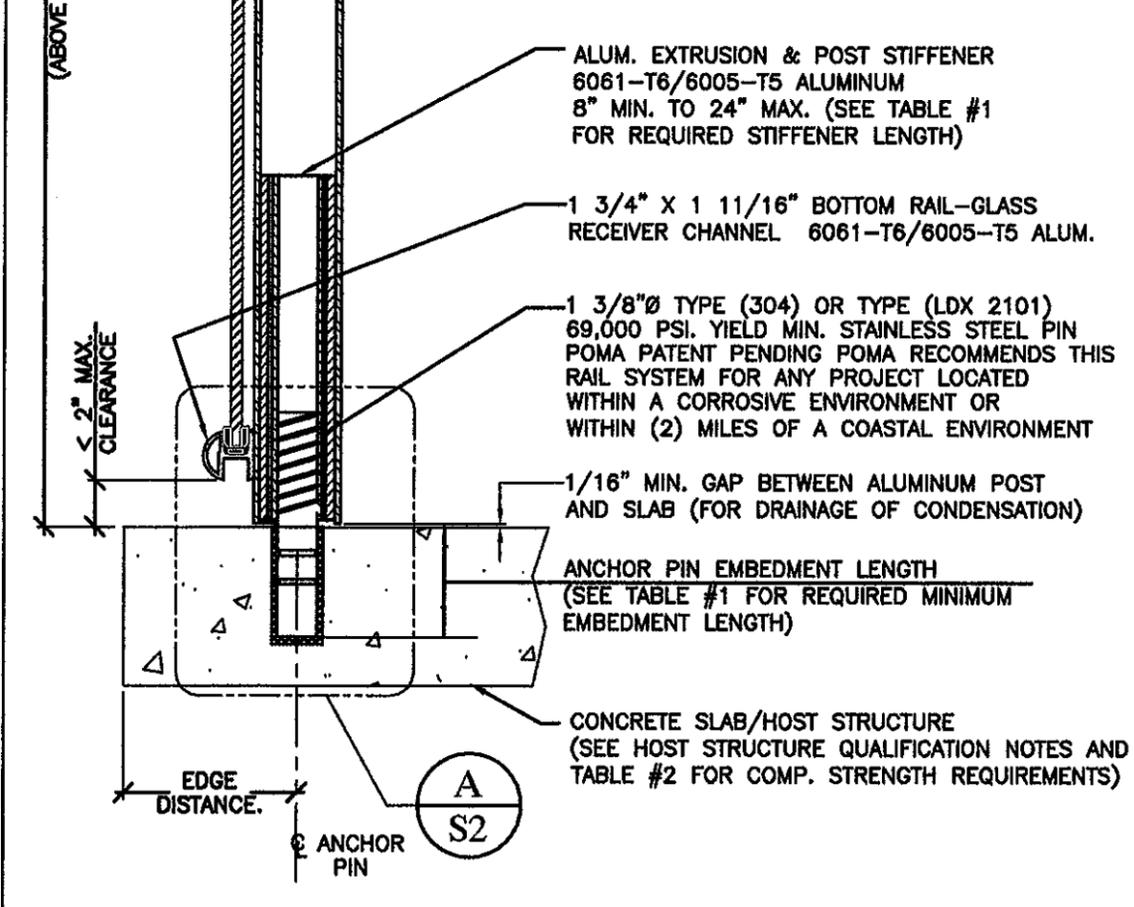
1. *None.*



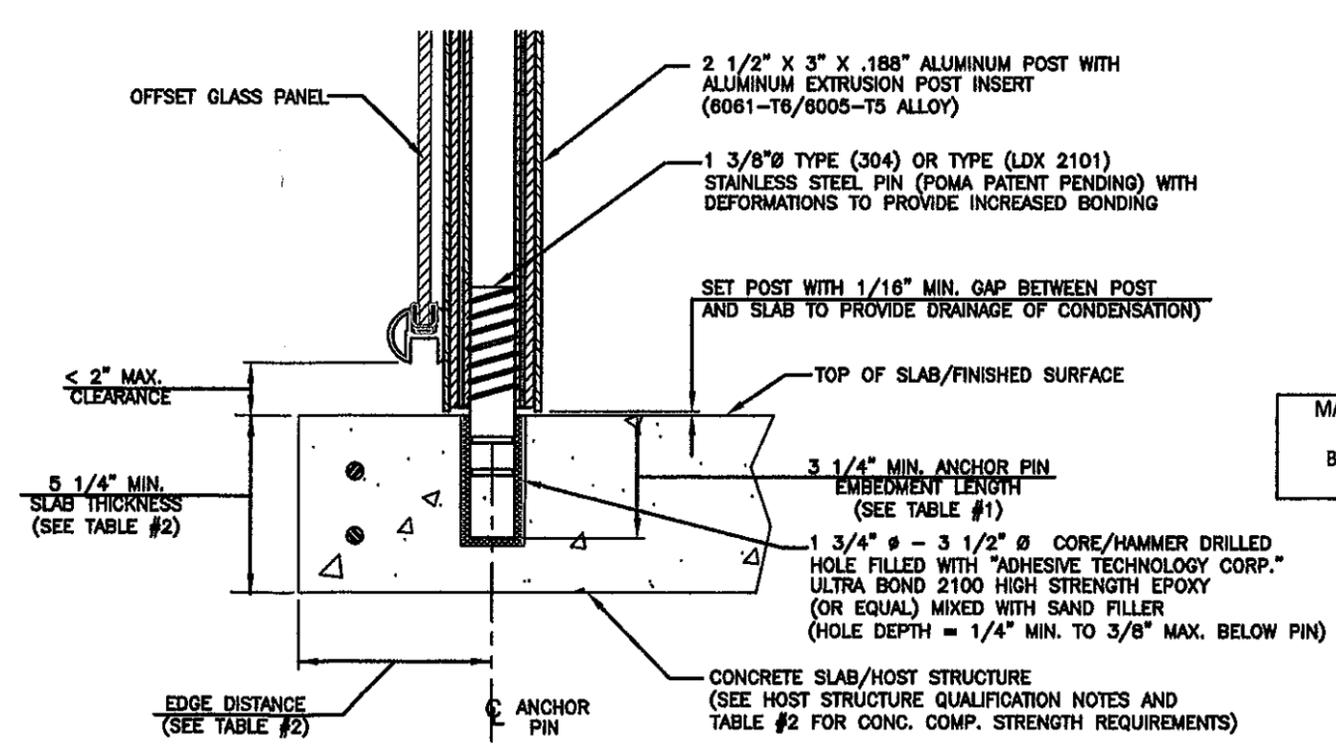
Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 10-1012.04
Expiration Date: 09/20/2017
Approval Date: 09/20/2012



2 OFFSET GLASS GUARDRAIL PROFILE
NTS



1 OFFSET GLASS GUARDRAIL POST INSTALLATION DETAIL
NTS



A ANCHOR PIN INSTALLATION DETAIL
NTS

Approved as complying with the
Florida Building Code
Date 09/20/2012
NOA# 10-1012-04
Miami Dade Product Control
By *Healy A. M...*

MAXIMUM ALLOWABLE WIND DESIGN
PRESSURE = +146 PSF & -146 PSF
BASED ON PARAMETERS SHOWN IN
TABLE 1 & 2 ON SHEET 4 OF 4

Timothy C. Boudah
Date: 06/18/2012
Timothy C. Boudah, P.E.
State of Florida Registration No. 63179

ENGINEER
TIMOTHY C. BOUDAH, P.E.
CIVIL ENGINEERING
STRUCTURAL DESIGN SERVICES
140 S.W. 22nd Ave., Suite 200, Ft. Lauderdale, FL 33304
Phone: (754) 349-0000 Fax: (754) 349-0001

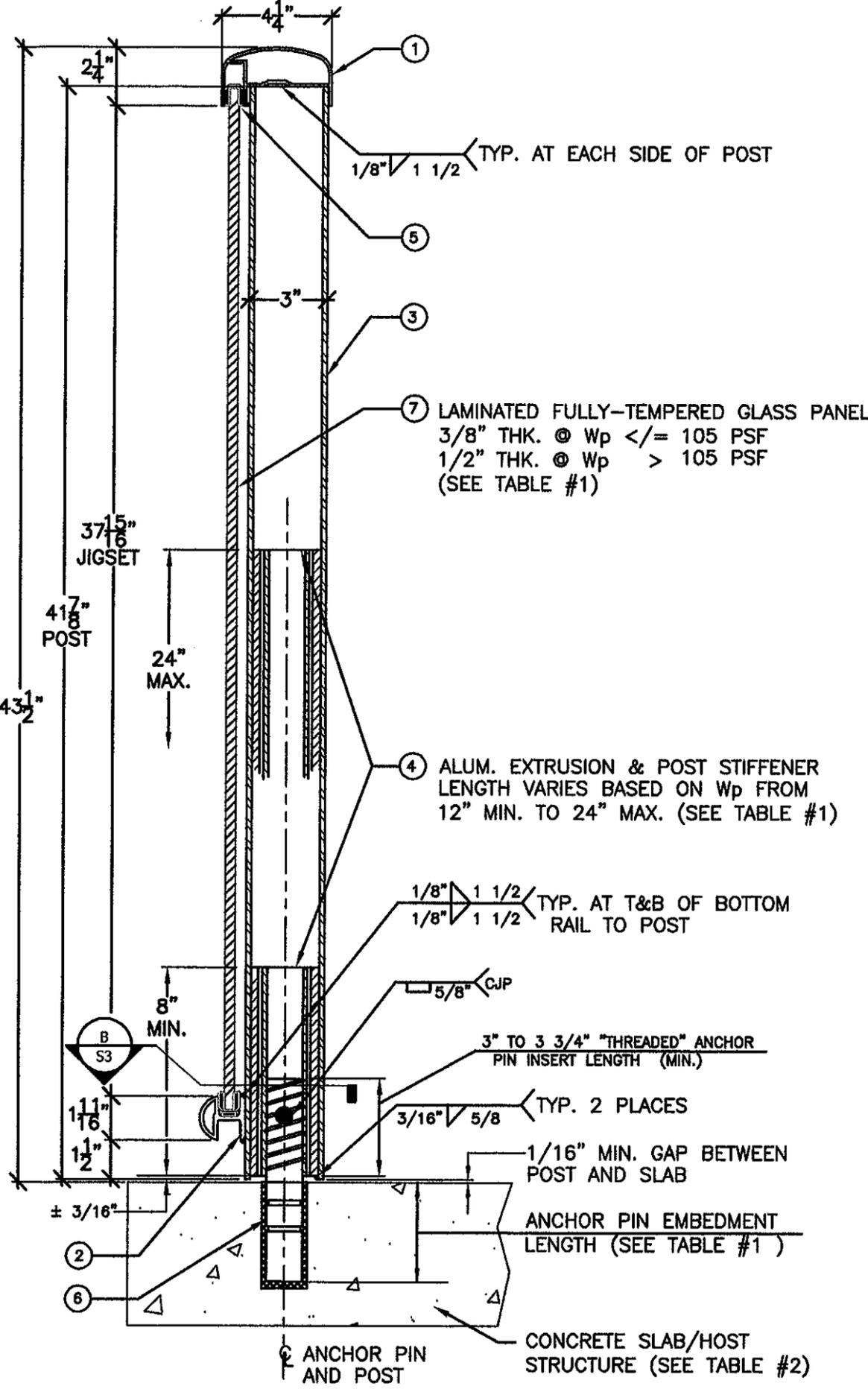
| REVISIONS | No. | Date | By | Description |
|-----------|-----|------|----|-------------|
| | | | | |

ALUMINUM GLAZED RAILING
POMA RAILING STYLE G-602

POMA & SONS, INC.
2049 S.W. POMA DRIVE
PALM CITY, FL 34990
OFFICE (772) 283-0099
FAX: (772) 283-7540

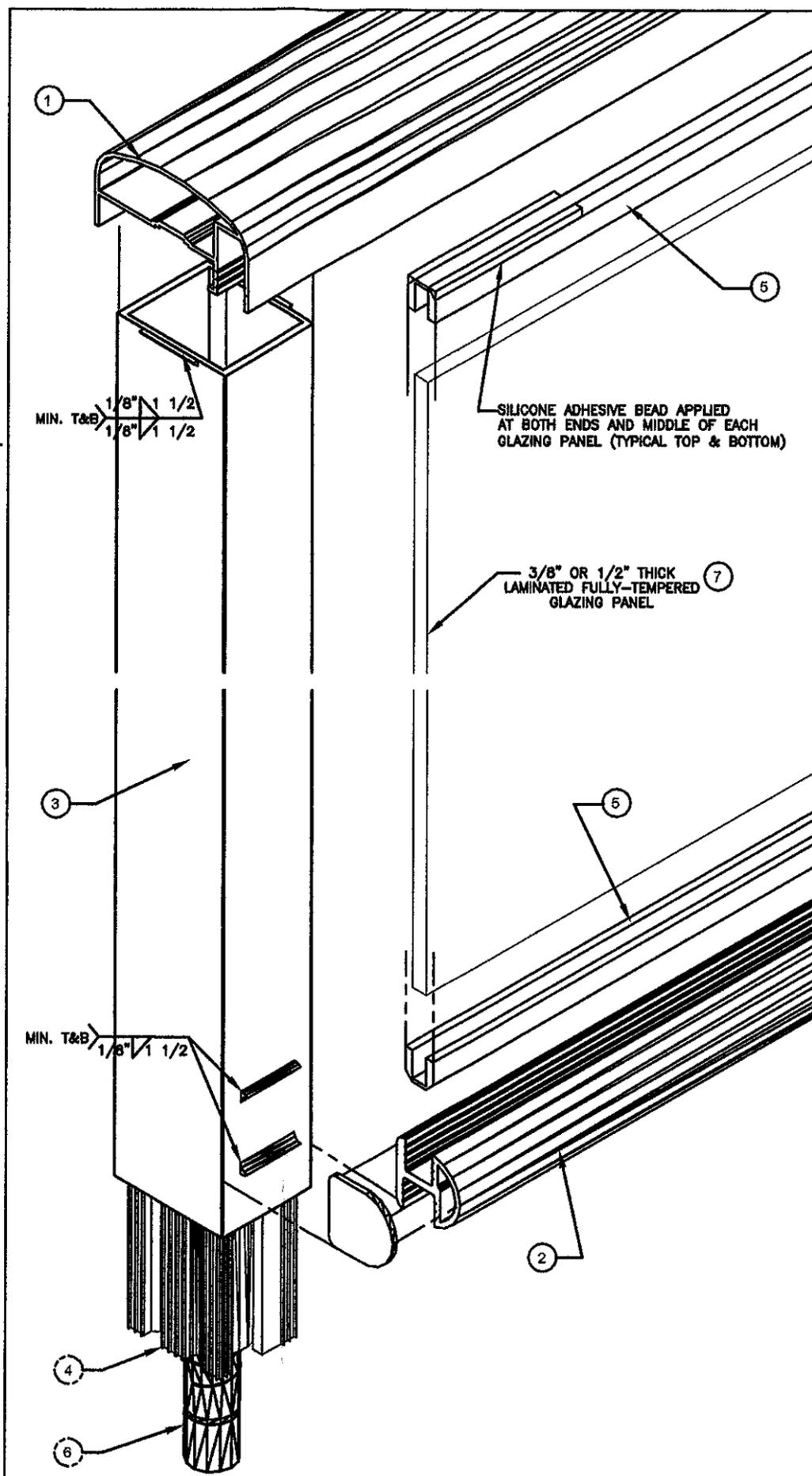
CONSTRUCTION BUREAU
Build on Our Experience

Drawn Date: 10-10-2011
Drawn By: JGP/TCB
Scale: AS NOTED
Drawing No. 010-0005(P)
SHEET 2 OF 4

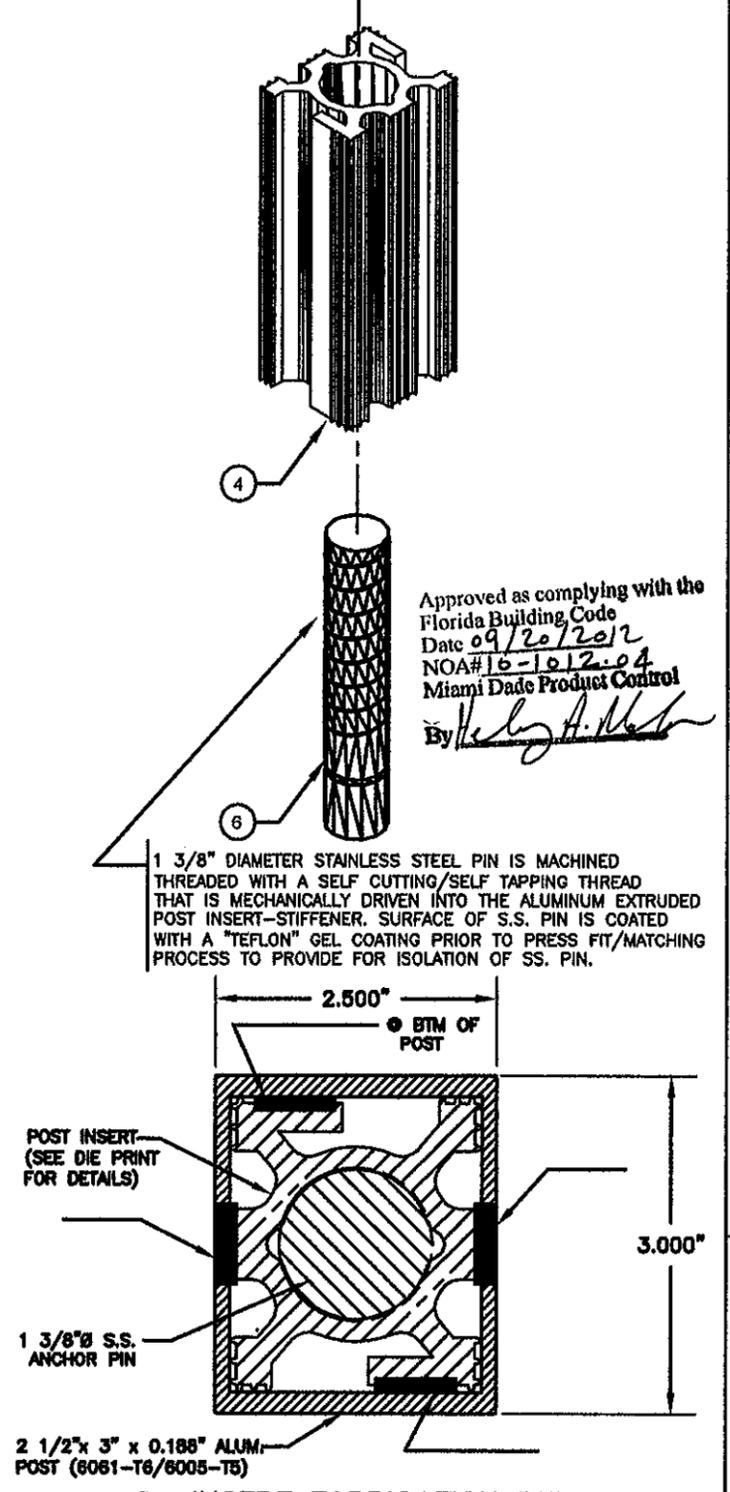


OFFSET GLASS GUARDRAIL POST FABRICATION DETAIL

NTS



ISOMETRIC OFFSET GLASS GUARDRAIL ASSEMBLY DETAILS



B INSERT FABRICATION DETAIL NTS

MAXIMUM ALLOWABLE WIND DESIGN
 PRESSURE = +146 PSF & -146 PSF
 BASED ON PARAMETERS SHOWN IN
 TABLE 1 & 2 ON SHEET 4 OF 4

Timothy C. Boudah
 Date: 6/18/2012
 Timothy C. Boudah, P.E.
 State of Florida Registration No. 63179

ENGINEER: **TIMOTHY C. BOUDAH, P.E.**
 CIVIL ENGINEERING &
 STRUCTURAL DESIGN SERVICES
 140 S.E. 14TH ST., SUITE 200, MIAMI, FL 33139
 PHONE: 772-253-7540 FAX: 772-253-7540

| REVISIONS | No. | Date | By | Description |
|-----------|-----|------|----|-------------|
| | | | | |

ALUMINUM GLAZED RAILING
POMA RAILING STYLE G-602

POMA & SONS, INC.
 2049 S.W. POMA DRIVE
 PALM CITY, FL 34990
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 FAX: (772) 283-7540



| | |
|--------------|-------------|
| Drawn Date: | 10-10-2011 |
| Drawn By: | JGP/TCB |
| Scale: | AS NOTED |
| Drawing No.: | 010-0005(F) |

TABLE 1: RAILING STYLE G-602 FABRICATION VARIABLES

| RAILING FABRICATION VARIABLE | MAXIMUM DESIGN WIND PRESSURES, Wp (NEG. OR POS.) | | | | | | | |
|---|--|--------|---------|---------|---------|---------|---------|---------|
| | <=81.5PSF | 90 PSF | 100 PSF | 110 PSF | 120 PSF | 130 PSF | 140 PSF | 146 PSF |
| POST INSERT STIFFENER LENGTH (MIN.) | 12 INCHES | 12 | 12 | 12 | 14 | 16 | 20 | 24 |
| ANCHOR PIN EMBEDMENT LENGTH (MIN.) | 3 1/4 INCHES | 3 1/2 | 3 3/4 | 3 3/4 | 4 | 4 | 4 1/4 | 4 1/4 |
| ANCHOR PIN "THREADED" INSERT LENGTH (MIN.) | 3 INCHES | 3 | 3 | 3 | 3 | 3 3/4 | 3 3/4 | 3 3/4 |
| ANCHOR PIN LENGTH (MIN.) | 6 1/2 INCHES | 6 3/4 | 7 | 7 | 7 1/4 | 8 | 8 1/4 | 8 1/4 |
| LAMINATED GLASS PANEL THICKNESS (SEE NOTE #3) (NOMINAL) | 3/8 INCHES | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |

- TABLE 1 NOTES:**
- INTERPOLATION BETWEEN DESIGNATED WIND DESIGN PRESSURES IS NOT ALLOWED. USE HIGHEST WIND DESIGN PRESSURE BETWEEN ANY TWO DESIGNATED PRESSURE VALUES.
 - MINIMUM REQUIRED ALLOWABLE YIELD STRENGTH (F'y) OF 1 3/8" DIAMETER STAINLESS STEEL ANCHOR PIN:

| | |
|----------------------|-----------|
| WIND DESIGN PRESSURE | F'y (PSI) |
| <= 105 PSF | 75,000 |
| > 105 PSF | 81,080 |

Approved as complying with the Florida Building Code
 Date 09/20/2012
 NOA# 10-1012.04
 Miami Dade Product Control
 By *Healy A. Melon*

TABLE 2: ANCHOR PIN & CONCRETE SLAB GUIDELINES

| MAXIMUM DESIGN WIND PRESSURE, Wp (NEG. OR POS.) PSF | ANCHOR PIN EMBEDMENT LENGTH (He) (IN) | ANCHOR PIN EDGE DISTANCE (Ce) (IN) | SLAB THICKNESS (Ha) (IN) | CONCRETE COMPRESSIVE STRENGTH (F'c) (PSI) |
|---|---------------------------------------|------------------------------------|--------------------------|---|
| <= 81.5 | 3 1/4 INCHES | 6 INCHES | 5 3/4 INCHES | 4,800 PSI |
| 90 | 3 1/2 | 6 | 6 | 4,800 |
| 100 | 3 3/4 | 6 | 6 1/4 | 4,400 |
| 110 | 3 3/4 | 6 | 6 1/2 | 4,900 |
| 120 | 4 | 6 | 6 1/2 | 4,900 |
| 130 | 4 | 6 | 6 7/8 | 5,150 |
| 140 | 4 1/4 | 6 | 6 7/8 | 5,100 |
| 146 | 4 1/4 | 6 | 7 1/8 | 5,200 |

- TABLE 2 NOTES:**
- ALL DIMENSIONS AND CONCRETE COMPRESSIVE STRENGTH NOTED IN TABLE 2 REPRESENT MINIMUM VALUES.
 - TABLE 2 IS PROVIDED ONLY AS A GUIDELINE, TO SHOW REQUIRED RELATIONSHIP BETWEEN ANCHOR PIN EMBEDMENT LENGTH, ANCHOR PIN EDGE DISTANCE, SLAB THICKNESS, AND SLAB COMPRESSIVE STRENGTH AT THE DESIGN WIND PRESSURE.
 - EXISTING CONDITIONS OF THE HOST STRUCTURE/BALCONY SLAB AND THE ACTUAL CONCRETE COMPRESSIVE STRENGTH MUST BE DETERMINED BY THE GENERAL CONTRACTOR, E.O.R., OR OTHERS, AND PROVIDED TO POMA BEFORE ANCHOR PIN EMBEDMENT LENGTH AND MINIMUM EDGE DISTANCE CAN BE DETERMINED.
 - INTERPOLATION BETWEEN DESIGNATED WIND DESIGN PRESSURES IS NOT ALLOWED. USE HIGHEST WIND DESIGN PRESSURE BETWEEN ANY TWO DESIGNATED PRESSURE VALUES.

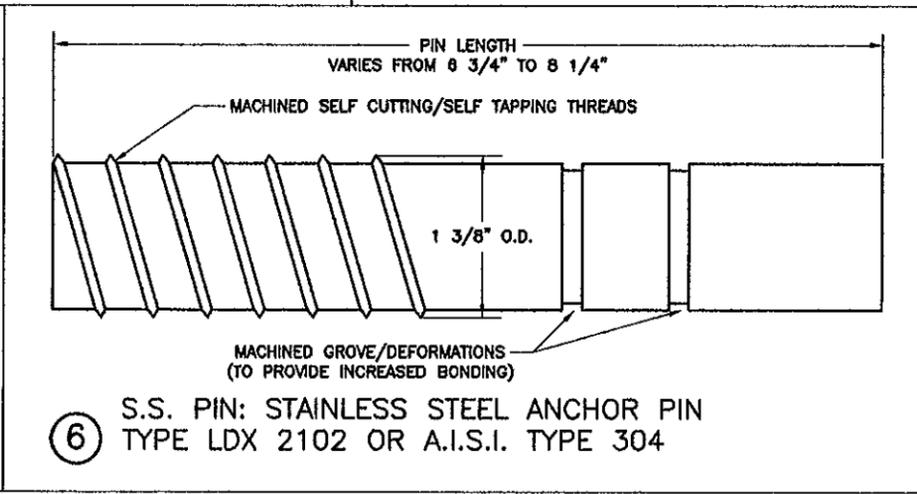
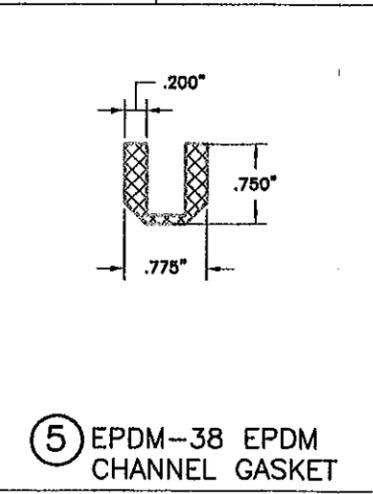
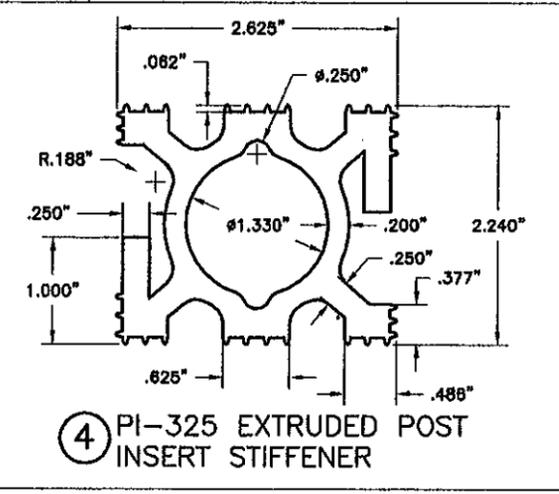
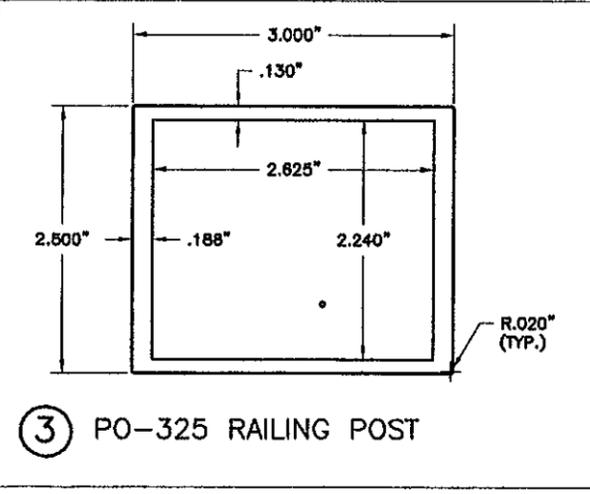
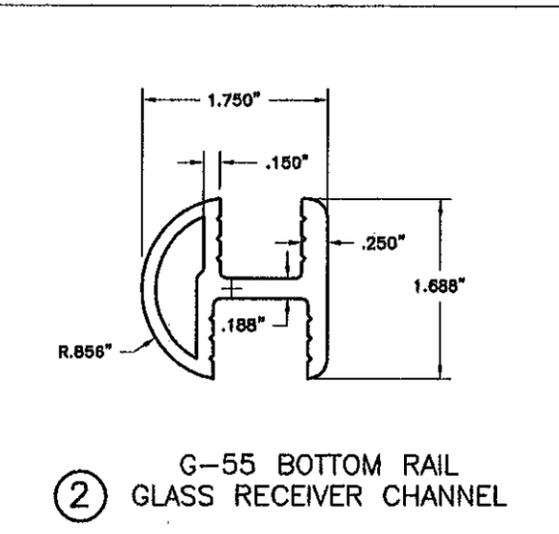
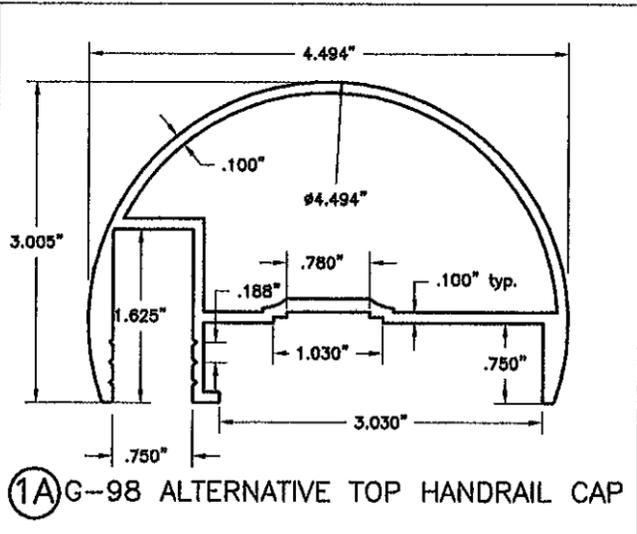
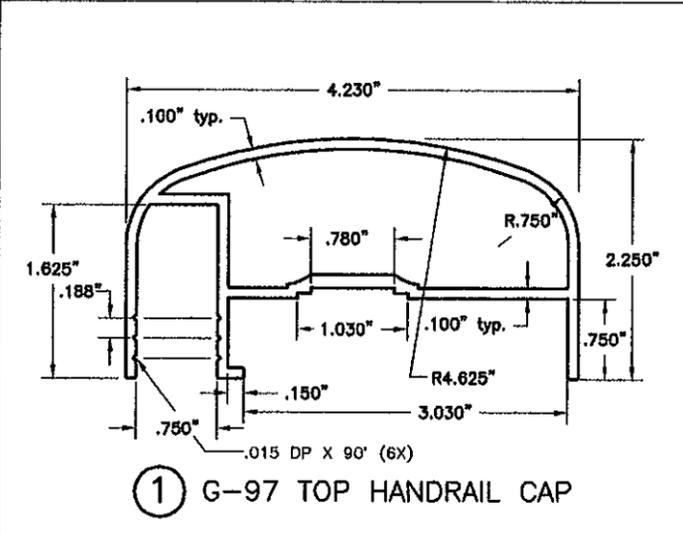
RAILING FABRICATION REQUIREMENT NOTES:

- THE ALUMINUM GLAZED RAILING STYLE G-602 AS PRESENTED IN THIS PRODUCT APPROVAL DOCUMENT HAVE BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE-BUILDING (AS AMENDED THROUGH JULY 2009) BY TESTING PERFORMED AT FENESTRATION TESTING LABORATORY, INC., REPORT FILE #09-596 AND FILE #10-596.
- STRUCTURAL CALCULATIONS USED TO VERIFY CAPACITY OF THE RAILING STYLE G-602 ALUMINUM FRAMING ELEMENTS AND THEIR ATTACHMENTS ARE BASED ON ALLOWABLE STRESS DESIGN (ASD) PRINCIPLES IN ACCORDANCE WITH PART 1-A OF THE 2005 ALUMINUM DESIGN MANUAL (ADM), AUTHORED BY THE ALUMINUM ASSOCIATION, INC., ARLINGTON, VIRGINIA.
- ALLOWABLE STRESSES OF ALUMINUM FRAMING MEMBERS HAVE BEEN DETERMINED IN ACCORDANCE WITH THE ADM, PART VII. NO INCREASE IN ALLOWABLE STRESSES HAVE BEEN APPLIED CONSISTENT WITH THE USE OF THE ASD LOAD COMBINATIONS PER ASCE/SEI 7-05, SECTION 2.4.
- GLAZED PANELS CONSIST OF LAMINATED FULLY-TEMPERED GLASS MANUFACTURED IN COMPLIANCE WITH CPSC 16 CFR 1201, CATEGORY CLASSIFICATION II, AS REQUIRED BY THE 2007 FBC-BUILDING, SECTION 2407.1. AND TESTED FOR DYNAMIC IMPACT LOADING IN ACCORDANCE WITH ANSI Z97.1, TO MEET SAFETY GLAZING REQUIREMENTS AS SPECIFIED IN SECTION 1618.4.6.3, OF THE 2010 FBC-BUILDING CODE, EFFECTIVE MARCH 15, 2012.

MAXIMUM ALLOWABLE WIND DESIGN PRESSURE = +146 PSF & -146 PSF BASED ON PARAMETERS SHOWN IN TABLE 1 & 2 ON SHEET 4 OF 4

FABRICATION PARTS LIST

| ITEM NUMBER | PART NUMBER | PART NAME | ALLOY | REMARKS |
|-------------|-------------|------------------------------------|----------------------|--|
| ① | G-97 | TOP HANDRAIL CAP | 6063-T6 | |
| ①A | G-98 | TOP HANDRAIL CAP | 6063-T6 | ALTERNATIVE CAP |
| ② | G-55 | BOTTOM RAIL-GLASS RECEIVER CHANNEL | 6061-T6 (OR) 6005-T5 | |
| ③ | PO-325 | RAILING POST | 6061-T6 (OR) 6005-T5 | |
| ④ | PI-325 | EXTRUDED POST INSERT-STIFFENER | 6061-T6 (OR) 6005-T5 | |
| ⑤ | EPDM 38 | EPDM CHANNEL GASKET | N/A | |
| ⑥ | S.S. PIN | 1 3/8" ANCHOR PIN | N/A | SEE TABLE #1 FOR TENSILE YIELD STRENGTH REQUIREMENTS |
| ⑦ | GLASS PANEL | LAMINATED FULLY TEMPERED GLASS | N/A | SEE TABLE #1 FOR MINIMUM GLASS THICKNESS |



Timothy C. Boudah
 Date: 06/18/2012
 Timothy C. Boudah, P.E.
 State of Florida Registration No. 63179

REVISIONS

| No. | Date | Description |
|-----|------|-------------|
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ALUMINUM GLAZED RAILING

POMA RAILING STYLE G-602

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Drawn Date: 10-10-2011
 Drawn By: JGP/TCB
 Scale: AS NOTED
 Drawing No. 010-005(F)
 SHEET 4 OF 4