



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 October 30, 2024, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration 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 revises NOA #22-0901.02 and consists of this page 1, evidence submitted pages E-1, E-2 & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
12/26/24

NOA No. 24-1203.03
Expiration Date: 09/20/2027
Approval Date: 12/26/2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #10-1212.04

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.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #16-0418.13

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 March 24, 2016.*

B. TESTS

1. *None.*

C. CALCULATIONS


1. *Calculation titled "Poma Aluminum Glazed Railing Style G-602", dated March 24, 2016, 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 Section Supervisor
NOA No. 24-1203.03
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- 3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-0807.25**
- A. DRAWINGS**
1. *None.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*
- E. MATERIAL CERTIFICATIONS**
1. *None.*
- F. STATEMENTS**
1. *Florida Building Code, 2014 Edition and 2017 Edition Compliance Letter prepared by Timothy C. Boudah, P.E., dated July 25, 2017, signed and sealed by Timothy C. Boudah, P.E., on July 25, 2017.*
- 4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #21-0219.05**
- 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 April 23, 2022.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*
- E. MATERIAL CERTIFICATIONS**
1. *None.*
- F. STATEMENTS**
1. *FBC, 2020 Edition Compliance Letter prepared by Timothy C. Boudah, P.E., dated 04/26/22, signed and sealed by Timothy C. Boudah, P.E., on 04/26/22.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #22-0901.02**
- A. DRAWINGS**
1. *None.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*
- E. MATERIAL CERTIFICATIONS**
1. *None.*
- F. STATEMENTS**
1. *FBC, 2020 Edition Compliance Letter prepared by Timothy C. Boudah, P.E., dated 04/26/22, signed and sealed by Timothy C. Boudah, P.E., on 04/26/22.*
- 6. NEW 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 October 30, 2024.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*
- E. MATERIAL CERTIFICATIONS**
1. *None.*
- F. STATEMENTS**
1. *FBC, 2023 Edition Compliance Letter prepared by Timothy C. Boudah, P.E., dated 10/30/24, signed and sealed by Timothy C. Boudah, P.E., on 10/30/24.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-1203.03
Expiration Date: 09/20/2027
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RAILING STYLE: G-602

GENERAL NOTES:

MATERIALS:

A. ALUMINUM FRAMING ELEMENTS TO CONSIST OF ALLOY 6061, 6005, 6063 (TEMPER T5 OR T6) WITH MINIMUM MECHANICAL PROPERTIES SPECIFIED IN TABLE A.4.3 OF THE 2020 ALUMINUM DESIGN MANUAL AS PUBLISHED BY THE ALUMINUM ASSOCIATION, INC., ARLINGTON, VIRGINIA.



B. MECHANICAL FASTENERS TO BE TYPE 304, 316 OR 410 STAINLESS STEEL UNLESS OTHERWISE NOTED.

C. WELD FILLER ALLOYS SHALL MEET AWS A5.10 STANDARDS, AND AS A MINIMUM, SHALL CONSIST OF ALUMINUM ALLOY 4043 (100% Ar) PER AWS D1.2 TABLE 4.2.

ALUMINUM FINISHES

A. ALL ALUMINUM RAILINGS/GUARDRAILS TO RECEIVE BAKED-ON PAINTED FINISH OVER FULL PRETREATMENT SYSTEM OR WHEN SPECIFIED TO BE NATURAL/MILL FINISH OR WHEN ANODIZING IS SPECIFIED.

NOTE: ANODIZING IS NOT RECOMMENDED FOR WELDED RAILINGS DUE TO THE LIKELIHOOD OF DISCOLORATION FROM: 1) DISSIMILAR ALLOYS, 2) DISSIMILAR TEMPER, 3) OXIDATION, 4) WELDING FILLER METALS, 5) WELD HEAT ZONES, 6) MARRING CAUSED DURING FABRICATION AND HANDLING.

B. PRETREATMENT PROCESS: A MULTISTAGE PRETREATMENT PROCESS IS REQUIRED PRIOR TO APPLICATION OF PAINT SYSTEM.

1. THE PRODUCT SHALL BE DIPPED OR SPRAYED IN A CONCENTRATED HEATED ACIDIC CLEANER. THIS PROCESS PROVIDES CLEANING, DEGREASING AND DEEP ETCHING OF THE MATERIAL SURFACE.
2. THEN RINSED IN CLEAR WATER.
3. THE PRODUCT SHALL THEN BE DIPPED OR SPRAYED IN A CONCENTRATED ACIDIC TREATMENT TO DEOXIDIZE, DESMUT AND NEUTRALIZE THE SURFACE.
4. THE PRODUCT SHALL THEN BE SPRAYED DIPPED OR SPRAYED IN A VIRGIN R.O. WATER RINSE (ELIMINATES THE POSSIBILITY OF THE ACIDIC CLEANER DRYING UP ON THE ALUMINUM SURFACE WHICH CAN BE HARMFUL TO THE PRETREATMENT PROCESS).
5. THE PRODUCT SHALL THEN BE DIPPED OR SPRAYED IN NON-CHROME CONVERSION COATING TO ACT AS A BOND COATING FOR PAINT ADHESION.
6. THE PRODUCT MUST BE COMPLETELY DRY PRIOR TO PAINTING.

ONE OF THE FOLLOWING ELECTROSTATIC SPRAY PAINTING (E.S.P.) SYSTEMS SHALL BE APPLIED.

- ☐ 1. E.S.P. APPLIED SUPERDURABLE POLYESTER THERMOSETTING RESIN OVER PRETREATMENT BOND COATING. PAINT TO BE 1.5 - 3 MILS. PAINT SHALL BE BAKED ON AT 400 DEGREES FOR A MIN. DURATION OF 10 MINUTES. PAINT TO BE "TIGER DRYLAC" SERIES 38 SUPERDURABLE POLYESTER THERMOSETTING RESIN OR EQUAL.

NOTE: POWDER COATINGS AVAILABLE IN POMA CONSTRUCTION CORP. STANDARD COLORS AND MANUFACTURERS STANDARD COLORS. "TIGER DRYLAC" SERIES 38 SYSTEM OR EQUAL MEET **AAMA 2604** SPECIFICATIONS AND HAVE A 5 YEAR DURABILITY RATING.

- ☐ 2. E.S.P. APPLIED HIGH PERFORMANCE FLUOROPOLYMER (PVDF) "KYNAR" FINISH. ALUMINUM RAILINGS SHALL BE CLEANED WITH INHIBITED CHEMICALS AND THE SURFACE SHALL BE CHEMICALLY CONVERTED TO AMORPHOUS CHROMIUM PHOSPHATE TO CONFORM WITH ASTM D 1730. TYPE B, METHOD 5, PRIOR TO COATING. APPLY MANUFACTURERS 2-COAT THERMOCURED SYSTEM COMPOSED OF SPECIALLY FORMULATED INHIBITED PRIMER AND FLUOROPOLYMER COLOR COAT WITH COLOR COAT CONTAINING NOT LESS THAN 70% POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT. PAINT TO HAVE 1.0 -1.2 MILS DRY FILM THICKNESS. PAINT SHALL BE BAKED ON AT 475 DEGREES FOR A DURATION OF 10 MINUTES. SUBSTRATE TEMPERATURE SHALL REACH 450 DEGREES FOR A DURATION OF 5 MINUTES. PAINT TO BE "PPG'S" DURANAR HIGH PERFORMANCE PVDF SYSTEM OR EQUAL MEET **AAMA 2604** SPECIFICATIONS AND HAVE A 5 YEAR DURABILITY RATING.

NOTE: HIGH PERFORMANCE FLUOROPOLYMER (PVDF) "KYNAR" FINISHES ARE AVAILABLE IN POMA CONSTRUCTION CORP. STANDARD COLORS AND MANUFACTURERS STANDARD COLORS. PAINT TO BE "PPG'S" DURANAR HIGH PERFORMANCE PVDF SYSTEM OR EQUAL WHICH MEET **AAMA 2604** SPECIFICATIONS AND HAVE A 5 YEAR DURABILITY RATING.

- ☐ 3. E.S.P. APPLIED HIGH PERFORMANCE FLUOROPOLYMER (PVDF) "KYNAR" FINISH WITH XL COATING. ALUMINUM RAILINGS SHALL BE CLEANED WITH INHIBITED CHEMICALS AND THE SURFACE SHALL BE CHEMICALLY CONVERTED TO AMORPHOUS CHROMIUM PHOSPHATE TO CONFORM WITH ASTM D 1730. TYPE B, METHOD 5, PRIOR TO COATING. APPLY MANUFACTURERS STANDARD 3-COAT THERMOCURED SYSTEM COMPOSED OF SPECIALLY FORMULATED INHIBITED PRIMER, FLUOROPOLYMER COLOR COAT AND FLUOROPOLYMER TOP COAT WITH COLOR COAT AND TOP COAT CONTAINING NOT LESS THAN 70% POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT. PAINT TO HAVE 1.6-1.8 MILS DRY FILM THICKNESS. PAINT SHALL BE BAKED ON AT 475 DEGREES FOR A DURATION OF 10 MINUTES. SUBSTRATE TEMPERATURE SHALL REACH 450 DEGREES FOR A DURATION OF 5 MINUTES. PAINT TO BE "PPG'S" DURANAR HIGH PERFORMANCE PVDF SYSTEM OR EQUAL MEET **AAMA 2605** SPECIFICATIONS AND HAVE A 10 YEAR DURABILITY RATING.

NOTE: HIGH PERFORMANCE FLUOROPOLYMER (PVDF) "KYNAR" FINISHES ARE AVAILABLE IN POMA CONSTRUCTION CORP. STANDARD COLORS AND MANUFACTURERS STANDARD COLORS. PAINT TO BE "PPG'S" DURANAR HIGH PERFORMANCE PVDF SYSTEM WITH XL COATING OR EQUAL WHICH MEET **AAMA 2605** SPECIFICATIONS AND HAVE A 10 YEAR DURABILITY RATING.

ADDITIONAL NOTES: UPON REQUEST FIVE, TEN AND (IN CERTAIN GEOGRAPHICAL LOCATIONS) 15 YEAR WARRANTIES ARE OBTAINABLE AT ADDITIONAL COSTS. ADDITIONALLY, CUSTOM COLORS ARE OBTAINABLE AT ADDITIONAL COSTS.

CONSTRUCTION:

SHOP FABRICATION AND ASSEMBLY SHALL BE DONE IN ACCORDANCE WITH POMA CONSTRUCTION CORP. STANDARDS WITH THE DETAILS SPECIFICALLY AS SHOWN AND NOTED ON THESE DRAWINGS. SHOP CONNECTIONS SHALL BE DONE IN A NEAT, WORKMANLIKE MANNER UTILIZING THE MIG AND/OR TIG WELDING PROCESSES. HORIZONTAL CHANNELS SHALL BE PUNCHED TO RECEIVE PICKETS AND ALL WELDS IN THIS APPLICATION SHALL BE CONCEALED FROM NORMAL VIEW WHEN POSSIBLE. EXPOSED WELDS WILL BE GROUND ONLY AS NOTED ON THESE DRAWINGS. ANY WELDS NOT SPECIFICALLY SHOWN OR NOTED WILL BE SIZED AND LOCATED BY POMA CONSTRUCTION CORP. TO ENSURE PROPER FABRICATION. ALL POSTS SHALL BE FIRMLY ATTACHED TO THE HORIZONTAL MEMBERS TO ASSURE FIXED FASTENING FOR THE LIFE OF THE RAILING SYSTEM. CORNERS SHALL BE HAIRLINE FITTED AND WELDED TO INSURE MAXIMUM STRENGTH DURING USAGE AND NORMAL BUILDING EXPANSION AND CONTRACTION. THESE WELDS WILL BE GROUND SMOOTH IF EXPOSED.

DELIVERY:

DELIVER AND STORE ALL RAILING SECTIONS AND COMPONENTS IN A DRY AND SAFE LOCATION PROVIDED BY THE GENERAL CONTRACTOR OR OWNER. HANDLE RAILINGS WITH EXTREME CARE TO AVOID MARRING THE FINISHED PRODUCT.

INSTALLATION:

BALCONY RAILINGS AND GUARDRAILS SHOULD BE INSTALLED FROM THE TOP FLOOR DOWN AND ONLY WHEN ALL PAINTING AND MASONRY WORK IS COMPLETED. SET EACH RAILING POST IN CORE/HAMMER DRILLED, SLEEVED OR BLOCKED OUT HOLES AND SECURE WITH A NON SHRINK, NON METALLIC, STRUCTURAL GROUT, OR ENGINEER APPROVED ALTERNATE, OR BY POMA CONSTRUCTION CORP.'S STAINLESS STEEL ANCHOR PIN INSERT, WHICH WILL BE INSTALLED BY MEANS OF HAMMER DRILLING OR CORE DRILLING A 1 3/4" MINIMUM TO 3 1/2" MAXIMUM DIAMETER HOLE, NOT LESS THAN 1/4" DEEPER THAN THE REQUIRED ANCHOR PIN EMBEDMENT DEPTH, AS DETAILED AND NOTED IN THESE DRAWINGS.

CLEAN HOLE OF ANY LOOSE MATERIAL, PLACE ALUMINUM RAILING POST WITH STAINLESS STEEL ANCHOR PIN INSERT IN HOLE AND FILL SPACE WITH HIGH STRENGTH EPOXY AND SAND FILLER, MIXED AND PLACED TO COMPLY WITH ANCHORING MATERIAL MANUFACTURER'S DIRECTIONS.

NOTE: THIS IS THE RECOMMENDED METHOD OF INSTALLATION OF POMA RAILING STYLE G-602 RAILING OR GUARDRAIL SYSTEM FOR ANY HIGH RISE BUILDING CONSTRUCTION, AND MORE IMPORTANTLY, ALL STRUCTURES LOCATED NEAR OR WITHIN A CORROSIVE ENVIRONMENT.

FIELD SPlice LOCATIONS OF TOP AND BOTTOM RAILS SHALL BE DETERMINED BY POMA CONSTRUCTION CORP. TO BEST ACCOMMODATE FABRICATION, PAINTING, SHIPPING AND INSTALLATION. FIELD SPICES SHALL BE ACCOMPLISHED BY BUTTING THE TOP CAP OF ONE SECTION TO ANOTHER, USING AN INTERIOR SLEEVE INSERT OR CONCEALED TAB CONNECTION AND FURTHER SECURED BY MEANS OF STAINLESS STEEL FASTENERS, OR NON FERROUS, SELF EXPANDING RIVETS. IT SHOULD BE NOTED THAT, ALTHOUGH ALL FIELD SPICES WILL BE DONE IN A WORKMAN LIKE MANNER, THESE JOINTS WILL BE VISIBLE UPON COMPLETION AND WILL REQUIRE A MIN. GAP OF 1/8" PER TWENTY FOOT SECTION OF TOP OR BOTTOM RAIL, TO ALLOW FOR EXPANSION AND CONTRACTION OF RAILINGS AND/OR STRUCTURE.

EXISTING HOST STRUCTURE QUALIFICATION NOTES:

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING BACKING IF AND WHERE NECESSARY FOR INSTALLATION OF RAILINGS TO BUILDING SUBSTRATE.
2. IT IS ASSUMED THAT THE GENERAL CONTRACTOR HAS VERIFIED THE EXISTING HOST STRUCTURE HAS BEEN DESIGNED AND CONSTRUCTED TO SAFELY SUPPORT THE LOADS IMPOSED BY THE RAILING SYSTEM.
3. IT IS RECOMMENDED THAT THE GENERAL CONTRACTOR REVIEW AS-BUILT CONSTRUCTION RECORDS FOR THE EXISTING HOST STRUCTURE AND/OR VERIFY IF EXISTING SLABS ARE PROVIDED WITH ADEQUATE SLAB REINFORCING STEEL.
4. POMA RECOMMENDS THAT IN-SITU CONCRETE SAMPLING AND CORE TESTS BE PERFORMED BY LICENSED CONCRETE TESTING FIRM, TO DETERMINE ACTUAL CONCRETE COMPRESSIVE STRENGTH OF EXISTING CONCRETE BALCONY SLABS.
5. SEE TABLE NO. 2 FOR GENERAL GUIDELINES BETWEEN WIND DESIGN PRESSURE LIMITS AND MINIMUM REQUIRED CONCRETE COMPRESSIVE STRENGTH (F'c), FOR DESIGNATED RAILING INSTALLATION CONDITIONS.

CLEANING AND PROTECTION:

A. ON DELIVERY ALL RAILING / GUARDRAILS WILL HAVE A PROTECTIVE COVERING OVER THE TOP HANDRAIL CAP ONLY. IMMEDIATELY UPON COMPLETION OF INSTALLATION OF RAILING, INSTALLER SHALL REMOVE PROTECTIVE COVER AND CLEAN ALL WORK FOR INSPECTION AND APPROVAL.

B. AFTER INSTALLATION GENERAL CONTRACTOR OR OWNER SHALL BE RESPONSIBLE FOR PROTECTING RAILINGS DURING BALANCE OF CONSTRUCTION.

C. PAINTED ALUMINUM SURFACES SHALL BE CLEANED WITH PLAIN WATER CONTAINING A MILD SOAP OR DETERGENT. NO ABRASIVE AGENTS OR HARSH CHEMICALS ARE TO BE USED.

NOTE: ALL RAILINGS REQUIRE PERIODIC MAINTENANCE ESPECIALLY THOSE SUBJECT TO OCEAN SALT AIR OR HARMFUL CHEMICAL ENVIRONMENTS (WITHIN ½ MILE), WHICH REQUIRE WASHING A MINIMUM OF ONCE EVERY (6) MONTHS. APPLICATION OF AN APPROVED UV PROTECTANT AFTER WASHING IS RECOMMENDED.

APPLICABLE GOVERNING BUILDING CODES:



ALL RAILINGS AND GUARDRAILS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT ARE SHOP FABRICATED AND ASSEMBLED TO WITHSTAND LOADS REQUIRED BY THE 8TH EDITION, 2023 FLORIDA BUILDING CODE-BUILDING, AS THEY PERTAIN TO VARIOUS RAILING AND GUARDRAIL LOADING CONDITIONS CONSISTENT WITH SECTION 1607.9.1, AND

A. SECTION 1618.4.6.3 SAFETY GLAZING: GLASS PANEL ASSEMBLY CAPACITY AT TWO TIMES (2x) MAXIMUM DESIGN WIND PRESSURE (AS REQUIRED BY MIAMI-DADE BCCO CHECKLIST #0460) HAS BEEN VERIFIED BY TESTING PERFORMED AT FENESTRATION TESTING LABORATORY, INC. (FTL), REPORT FILE #09-596 AND FILE #10-596, IN ACCORDANCE WITH TEST APPLICATION STANDARD TAS 202. GLAZING DYNAMIC IMPACT LOADING (ANSI Z97.1) TESTS FOR LAMINATED GLASS PANELS HAVE BEEN PERFORMED BY FTL, REPORT FILE #11-596 (LAB. #6535) REMAIN IN CONFORMANCE WITH 2023 FLORIDA BUILDING CODE-BUILDING, FOR HVHZ SPECIAL LOAD CONSIDERATIONS.

ENGINEER

TIMOTHY C. BOUDAH, P.E.

CIVIL ENGINEERING

&

STRUCTURAL DESIGN SERVICES

514 S.W. PORT ST. LUCE BLD., PORT ST. LUCE, FL 34853

PHONE: (772)398-0342 Email: TOBEN@outlook.com

REVISIONS	No	Date	By	Description
				UPDATE CODE REFERENCES TO 2014 FBCB, AND ADDED STRUCT ADHESIVE BONDING TO POST INSERT
	1	3/23/2016	TB	UPDATE CODE REFERENCES TO 2020 FBCB
	2	4/23/2020	TB	UPDATE CODE REFERENCES TO 2023 FBCB
	3	10/30/2024	TB	

ALUMINUM GLAZED RAILING

POMA RAILING STYLE G-602

POMA & SONS, INC.

2049 S.W. POMA DRIVE

PALM CITY, FL 34990

OFFICE: (772) 283-0099

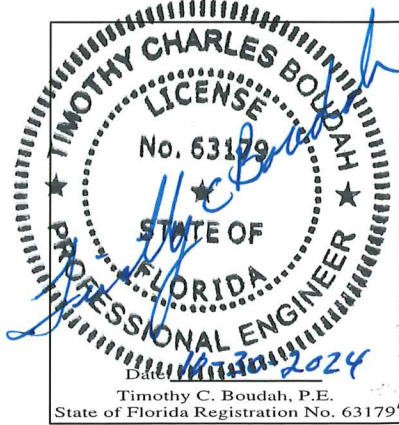
FAX: (772) 283-7540

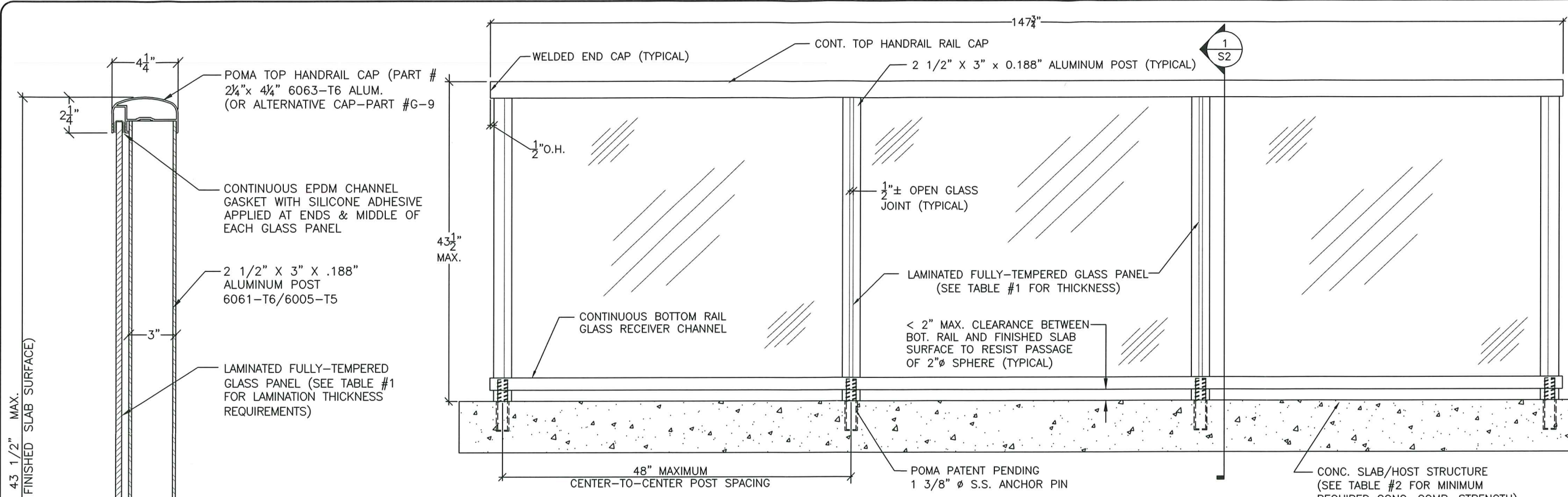


Drawn Date:	06-14-2012
Drawn By:	JGP / TCB
Scale:	NO SCALE
Drawing No.	010-0005(F)
SHEET 1 OF 4	

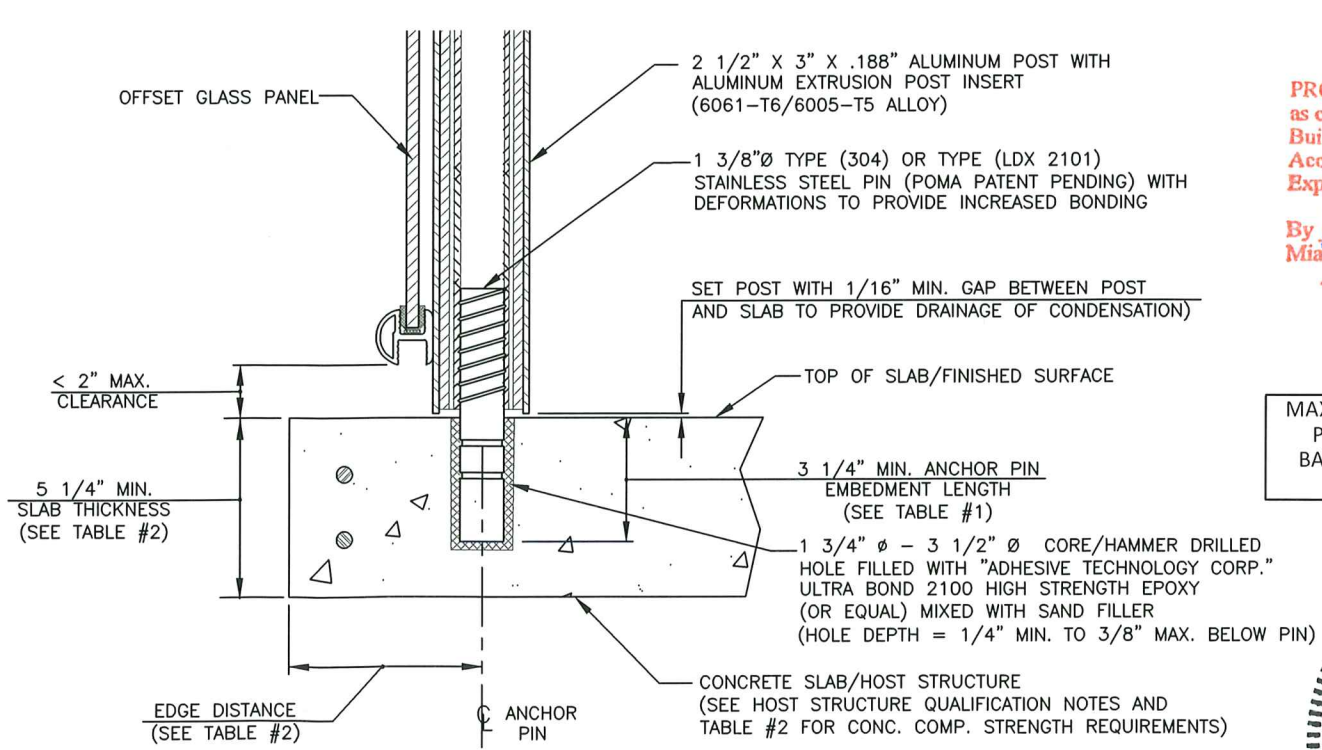
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-1203.03
Expiration Date 09/30/2027
By H. G. A. M. M.
Miami Dade Product Control

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





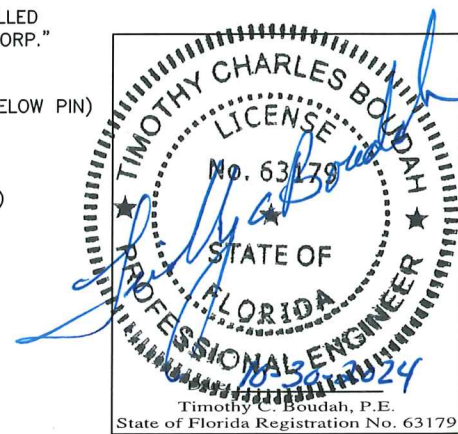
2 OFFSET GLASS GUARDRAIL PROFILE
NTS



A ANCHOR PIN INSTALLATION DETAIL
NTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-1203.03
Expiration Date 04/2027
By *Handwritten Signature*
Miami Data Product Control

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



ENGINEER:
TIMOTHY C. BOUDAH, P.E.
CIVIL ENGINEERING
&
STRUCTURAL DESIGN SERVICES
514 S.W. PORT ST. LUCE BLVD., PORT ST. LUCE, FL 34953
PHONE (772) 398-0342 Email: TCBOUDAH@outlook.com

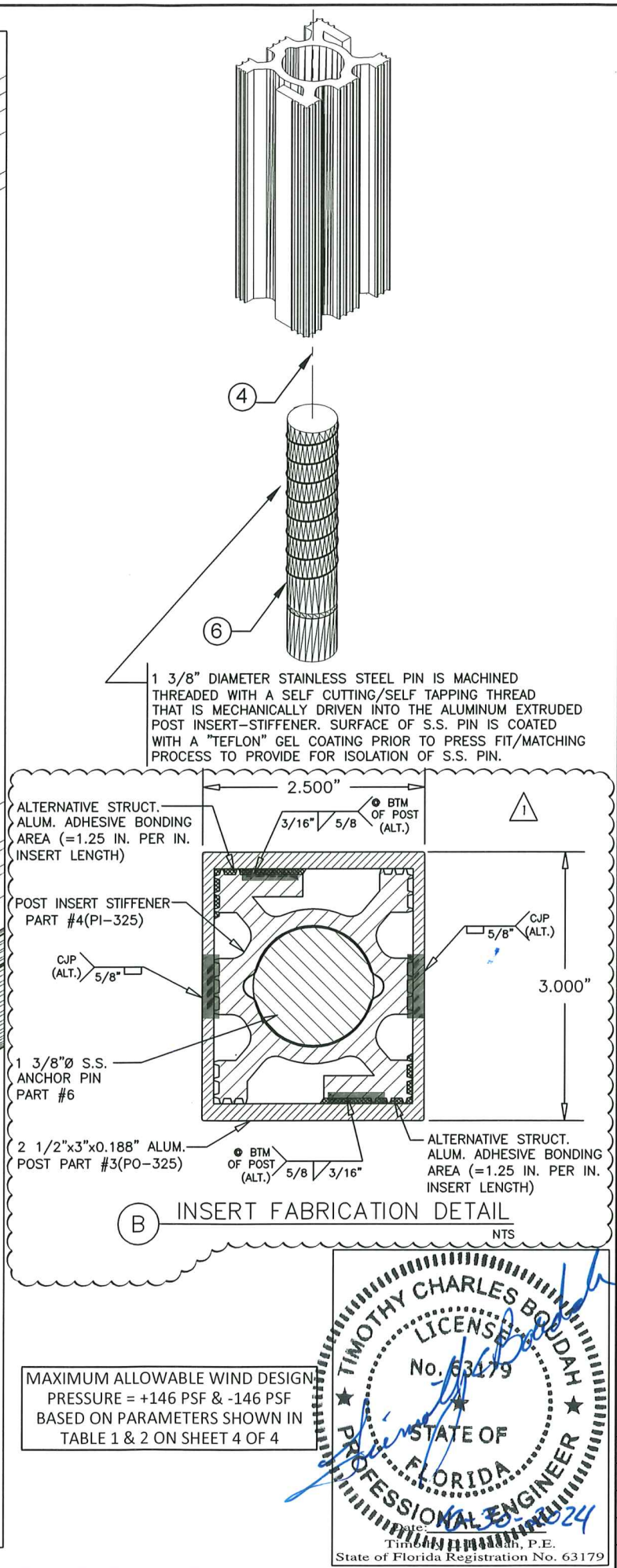
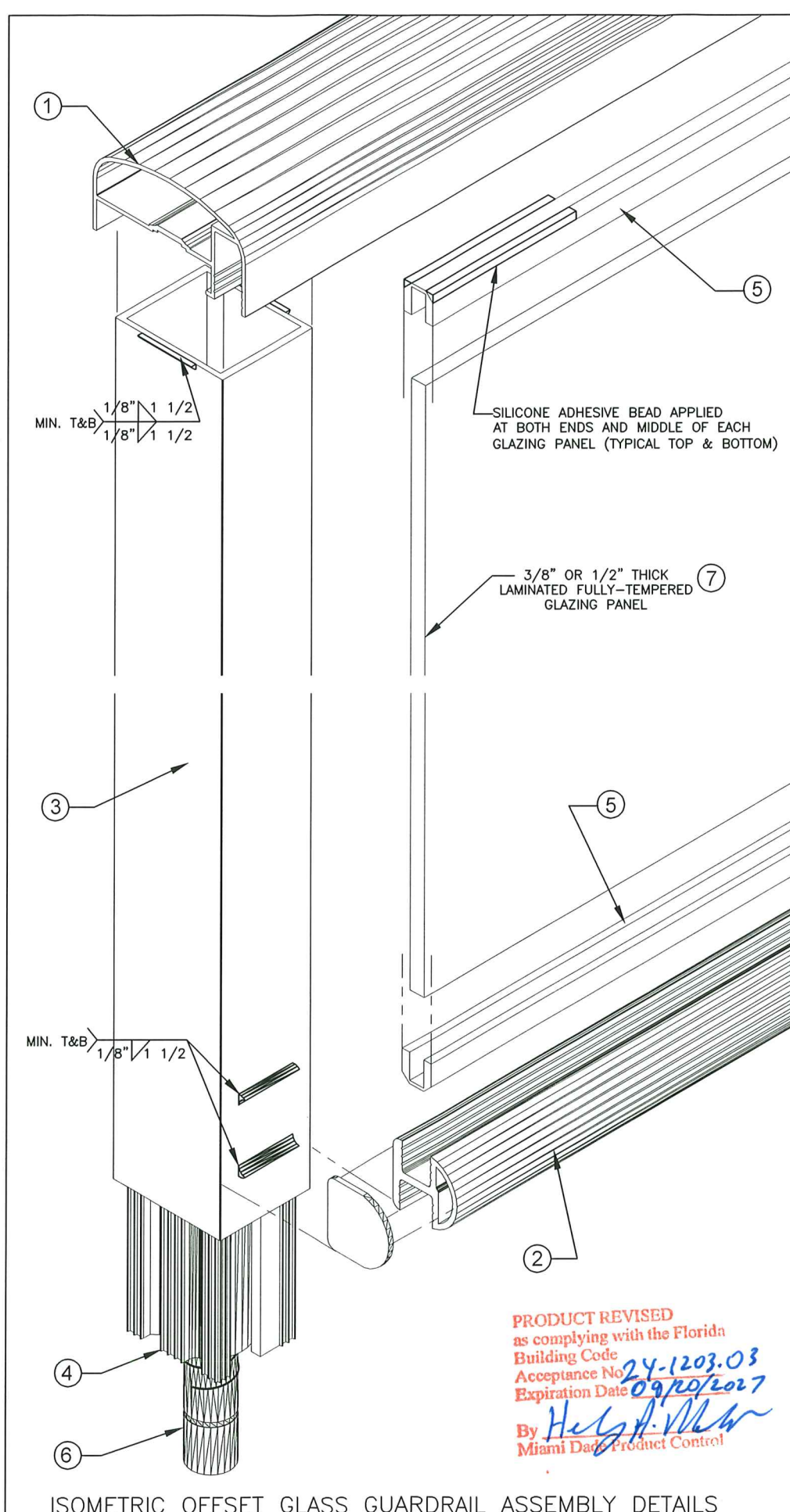
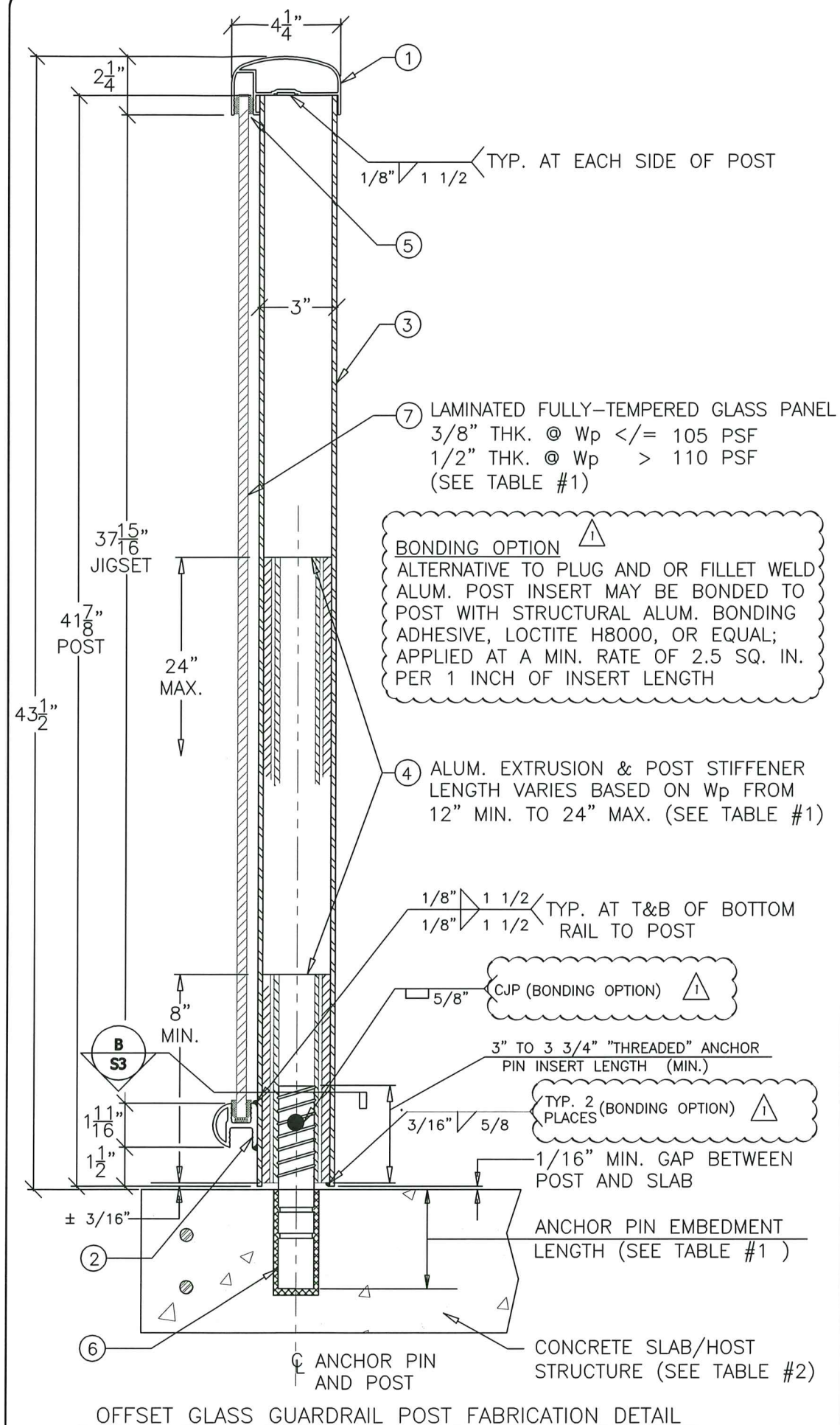
REVISIONS	No.	Date	By	Description

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



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



PRODUCT REVISED
as complying with the Florida
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MAXIMUM ALLOWABLE WIND DESIGN
PRESSURE = +146 PSF & -146 PSF
BASED ON PARAMETERS SHOWN IN
TABLE 1 & 2 ON SHEET 4 OF 4



Date: 12-15-2024
 Timothy Bouday, P.E.
 State of Florida Registration No. 63179

	POMA & SONS, INC. 2049 S.W. POMA DRIVE PALM CITY, FL. 34990 OFFICE: (772) 283-0099 FAX: (772) 283-7540		<div> <div>ALUMINUM GLAZED RAILING</div> <div>POMA RAILING STYLE G-602</div> </div>		ENGINEER: TIMOTHY C. BOUDAH, P.E. CIVIL ENGINEERING & STRUCTURAL DESIGN SERVICES 514 S.W. PORT ST. LUCIE, FL. 34853 PHONE: (772)398-0342 Email: TCBBEN@outlook.com			
	REVISIONS							
	No	Date			By	Description		
	1	3/23/2016			T.B	UPDATE CODE REFERENCES TO 2014 FBCB AND ADDED STRUCT. ADHESIVE BONDING TO POST INSERT		
Drawn Date: <u>10-10-2011</u> Drawn By: <u>JGP / TCB</u> Scale: <u>AS NOTED</u> Drawing No: 010-0005(F)		SHEET 3 OF 4						

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

MAXIMUM DESIGN WIND PRESSURE, Wp (NEG. OR POS.) PSF	ANCHOR PIN EMBEDMENT LENGTH (HeF)	ANCHOR PIN EDGE DISTANCE (Co1)	SLAB THICKNESS (Ha)	CONCRETE COMPRESSIVE STRENGTH (F'c)
=/ < 81.5	3 1/4 INCHES	6 INCHES	5 3/4 INCHES	4,800 PSI
90	3 1/2	6	6	4,600
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

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	P0-325	RAILING POST	6061-T6 (OR) 6005-T5	
④	P1-325	EXTRUDED POST INSERT-STIFFENER	6061-T6 (OR) 6005-T5	
⑤	EPDM 38	EPDM CHANNEL GASKET	N/A	
⑥	S.S. PIN	1 3/8"Ø 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



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