



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

www.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

G. Construction Group, Inc.
dba G. Square Aluminum Products
3101 S.W. 25th Street, Unit 100
Pembroke Pines, Florida 33009

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Aluminum Glazed Railing

APPROVAL DOCUMENT: Drawing No. 09-085, titled " Glazed Railing ", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated June 02, 2009, last revision #1 dated June 02, 2009 signed and sealed by Walter A. Tillit Jr., P.E. on June 02, 2009, 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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 #08-0508.08** and 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
 08/12/2009

NOA No. 09-0615.05
Expiration Date: 08/07/2013
Approval Date: 08/12/2009

G. Construction Group, Inc.
dba G. Square Aluminum Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #08-0508.08

A. DRAWINGS

1. *Drawing No. 07-210, titled " Glazed Railing ", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated August 09, 2007, signed and sealed by Walter A. Tillit Jr., P.E. on July 07, 2008.*

B. TESTS

1. *Test Report No. 5572, by Fenestration Testing Laboratory, Inc., dated April 08, 2008, signed and sealed by Michael Wenzel, P.E.*

C. CALCULATIONS

1. *Calculation titled " Glazed Railing System in accordance with the Florida Building Code 2007 Edition High Velocity Hurricane Zone ", sheets 1 through 27 of 27, dated April 28, 2008, by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Report No. 190, by Perfiles Especiales LTDA. Flexes, for Plasticized Nitile Profiles for Aluminum Windows and Doors for sealing between aluminum profile and the glass.*

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 09-085, titled " Glazed Railing ", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated June 02, 2009, last revision #1 dated June 02, 2009 signed and sealed by Walter A. Tillit Jr., P.E. on June 02, 2009.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Henry A. Makar, P.E., M.S.
Senior Product Control Examiner

NOA No. 09-0615.05

Expiration Date: 08/07/2013

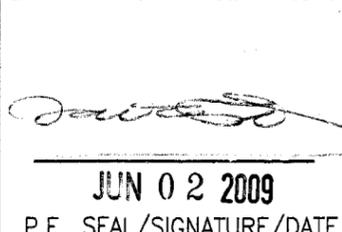
Approval Date: 08/12/2009

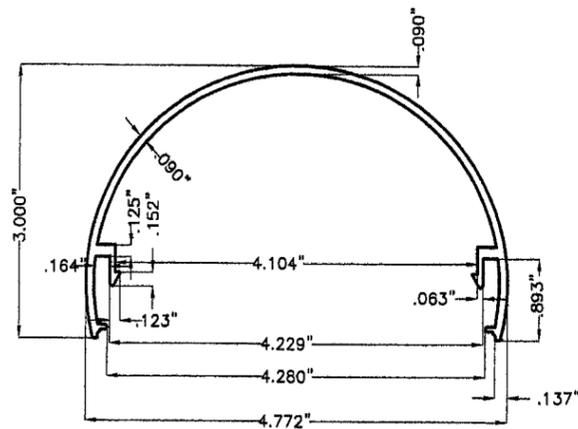
GENERAL NOTES:

1. THIS GLAZED RAILING ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS FOR RAILING SYSTEM ON A GIVEN JOB SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, AND SHALL NOT EXCEED THIS RAILING'S **MAXIMUM PRESSURE RATING OF ±120 p.s.f.** CALCULATED DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 6.5.15 OF ASCE 7-05 STANDARD. GLAZED RAILING CAPACITY TO SUSTAIN SAFEGUARD LOADS HAS BEEN VERIFIED AS PER SECTIONS 1618.4.6.1, 1618.4.6.2 AND 1612 OF THE FLORIDA BUILDING CODE.
2. GLASS CAPACITY FOR IMPACT (SAFETY GLAZING) AS WELL AS ASSEMBLY CAPACITY FOR WIND LOADS UNDER MAXIMUM PRESSURE RATING INDICATED ON NOTE 1 ABOVE HAS BEEN VERIFIED BY TESTING PERFORMED AT FENESTRATION TESTING LABORATORY, REPORT # 5572, AS PER SECTION 1618.4.6.3 (ANSI Z97.1), PROTOCOL TAS 202 WITH A SAFETY FACTOR OF 2.00 AND SECTION 1612 OF THE ABOVE MENTIONED CODE, RESPECTIVELY.
3. ALL ALUMINUM EXTRUSIONS TO BE AS INDICATED ON THIS DRAWING. THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON THIS DRAWING.
4. ALL SCREWS TO BE AISI 304 OR 316 SERIES STAINLESS STEEL WITH 50 ksi MINIMUM YIELD STRENGTH.
5. TEMPERED GLASS TO COMPLY WITH SECTION 2411.1.3 OF THE FLORIDA BUILDING CODE.
6. POST EMBEDMENT INTO EXISTING CONCRETE SLABS SHALL BE PERFORMED WITH HOLE SIZE AS SHOWN ON THIS DRAWING. INSTALLATION INTO EXISTING REINFORCED, PRESTRESSED OR POSTENSIONED SLABS SHALL BE CAREFULLY PERFORMED SO THAT THE EXISTING REBARS OR CABLES ARE NOT DAMAGED. PRESET HOLES ON CONCRETE ARE ALSO ALLOWED AS LONG AS THEY ARE PERFORMED WITH SIZES AS REQUIRED ON THIS DRAWING. ALL HOLES TO BE GROUTED WITH HYDRAULIC CEMENT COMPONENT "Q", AS PER BILL OF MATERIALS ON SHEET 3.
7. SEE REMAINING SPECS FOR GLAZED RAILING COMPONENTS ON BILL OF MATERIALS ON SHEET 3.
8. ALUMINUM MEMBERS IN CONTACT WITH CONCRETE SHALL BE PROTECTED WITH ALKALI-RESISTANT COATING, SUCH AS HEAVYBODIED BITUMINOUS PAINT OR WATER-WHITE METHACRYLATE LACQUER ACCORDING TO FLORIDA BUILDING CODE SECTION 2003.8.4.4.
9. THIS P.A.D. IS A GENERIC STRUCTURAL DRAWING AND DOES NOT CONSTITUTE AT ALL A SHOP DRAWING FOR THE DIRECT MANUFACTURING OF THIS RAILING. RAILING CONTRACTOR IS RESPONSIBLE FOR MEETING OR EXCEEDING ALL APPLICABLE RAILING REQUIREMENTS AS PER F.B.C., N.F.P.A. AND ADA MANUALS IN APPLYING THESE GENERIC DRAWINGS TO ACTUAL CONDITIONS PARTICULAR TO THIS PROJECT.
10. IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THAT THE EXISTING STRUCTURE CAN SUSTAIN THE SUPERIMPOSED LOADS.
11. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THIS P.A.D.
 - (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
 - (c) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
 - (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THIS P.A.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THIS P.A.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
 - (e) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

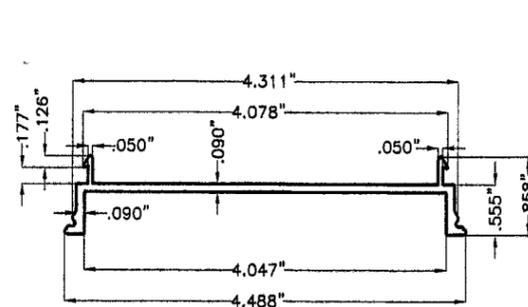
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 09-0615.05
 Expiration Date 08/07/2013
 By Helmy A. Mahr
 Miami Dade Product Control
 Division
 MIAMI-DADE COUNTY

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

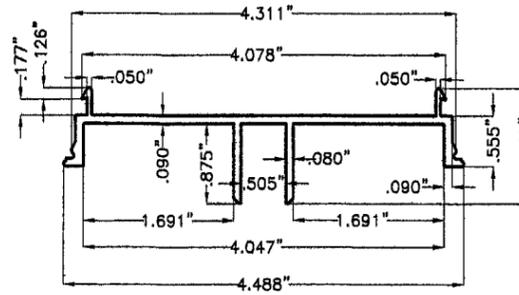
 <p>JUN 02 2009 P.E. SEAL/SIGNATURE/DATE</p>	<p>© 2009 TILTECO INC.</p>  <p>TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167</p>	<p>GLAZED RAILING</p> <p>G. CONSTRUCTION GROUP, INC. D/B/A G. SQUARE ALUMINUM PRODUCTS 3101 S.W. 25 STREET, SUITE 100 PEMBROKE PARK, FL 33009 PH: (954)364-4224 FAX: (954)364-4226</p>	<p>DRAWN BY: F.P.</p> <p>06/02/09 DATE</p> <p>09-085 DRAWING No</p> <p>SHEET 1 OF 6</p>																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV. NO</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD 07-210</td> <td>06/02/08</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>4</td> <td>-</td> <td>-</td> </tr> </tbody> </table>				REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 07-210	06/02/08	3	-	-	2	-	-	4	-	-
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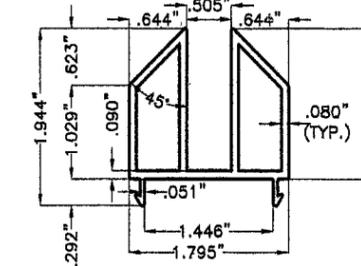
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ALUMINUM ALLOY 6063-T6



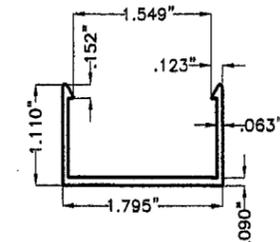
B TOP RAIL CAP SUPPORT W/O GLASS RETAINER
ALUMINUM ALLOY 6063-T6



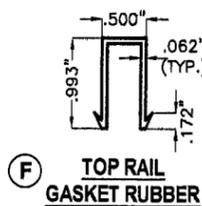
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ALUMINUM ALLOY 6063-T6



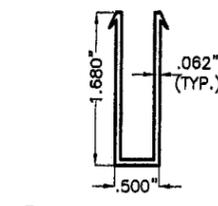
D INTERMEDIATE & BOTTOM RAIL
ALUMINUM ALLOY 6063-T6



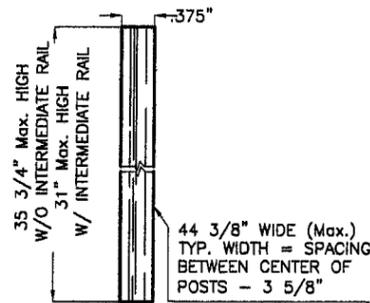
E INTERMEDIATE & BOTTOM RAIL CAP
ALUMINUM ALLOY 6063-T6



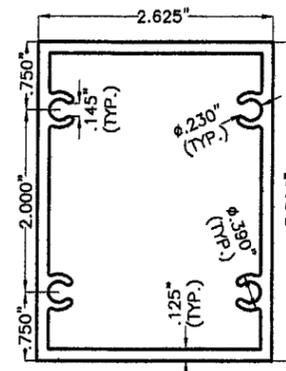
F TOP RAIL GASKET RUBBER



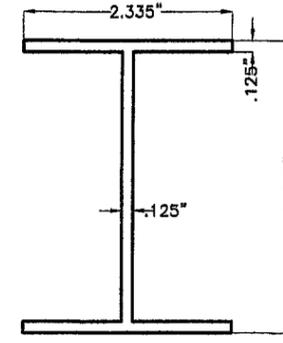
G INTERMEDIATE & BOTTOM RAIL GASKET RUBBER



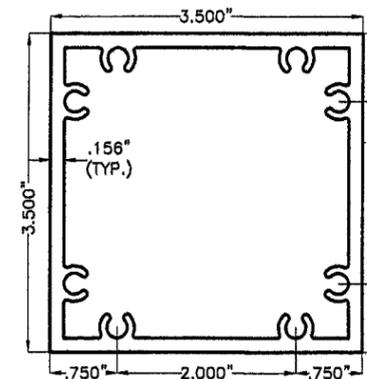
H TEMPERED GLASS



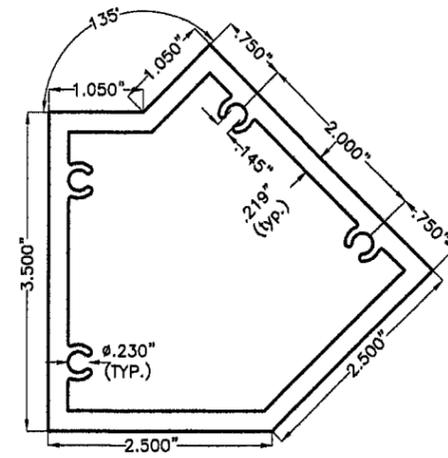
I POST
ALUMINUM ALLOY 6063-T6



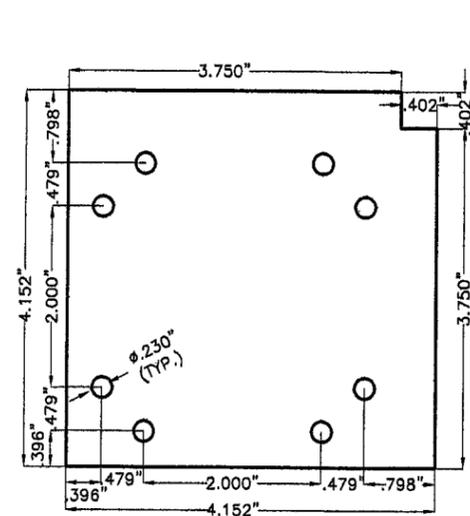
J INSERT FOR POST
ALUMINUM ALLOY 6063-T6



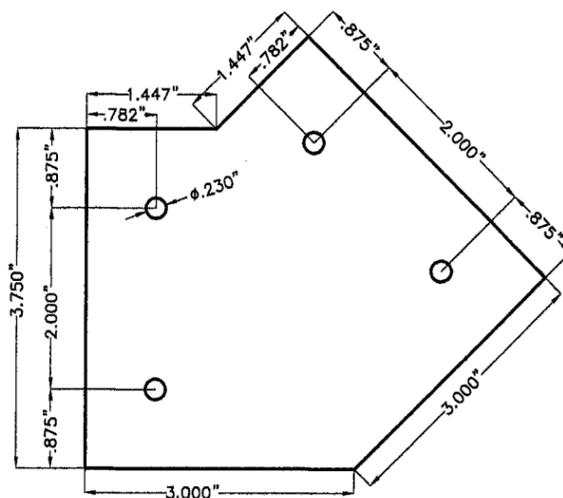
K CORNER POST, 90°
ALUMINUM ALLOY 6063-T6



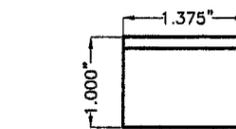
L CORNER POST, 135°
ALUMINUM ALLOY 6063-T6



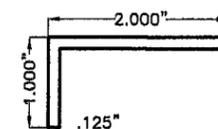
M CORNER CONNECTOR PLATE, 90°
ALUMINUM ALLOY 6063-T6, 1/8" THICK



N CORNER CONNECTOR PLATE, 135°
ALUMINUM ALLOY 6063-T6, 1/8" THICK



O INTERMEDIATE & BOTTOM RAIL BRACKET
ALUMINUM ALLOY 6063-T6, 1/8" THICK



P TOP RAIL CAP WALL BRACKET
ALUMINUM ALLOY 6063-T6, 1/8" THICK

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 09-0615.05
Expiration Date 08/07/2013
By *Helene A. Miller*
Miami Dade Product Control Division
MIAMI-DADE COUNTY

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

COMPONENTS
SCALE: 1/2" = 1"

 JUN 02 2009 P.E. SEAL/SIGNATURE/DATE	© 2009 TILTECO INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6305 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33168 Phone: (305)871-1830 Fax: (305)871-1831 EB-0006719 WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44187	GLAZED RAILING G. CONSTRUCTION GROUP, INC. D/B/A G. SQUARE ALUMINUM PRODUCTS 3101 S.W. 25 STREET, SUITE 100 PEMBROKE PARK, FL 33009 PH: (954)364-4224 FAX: (954)364-4226		DRAWN BY: F.P.
		REV. NO. DESCRIPTION DATE REV. No. DESCRIPTION DATE 1 OLD 07-210 06/02/09 3 - - 2 - - - 4 - -		06/02/09 DATE 09-085 DRAWING No SHEET 2 OF 6

BILL OF MATERIALS

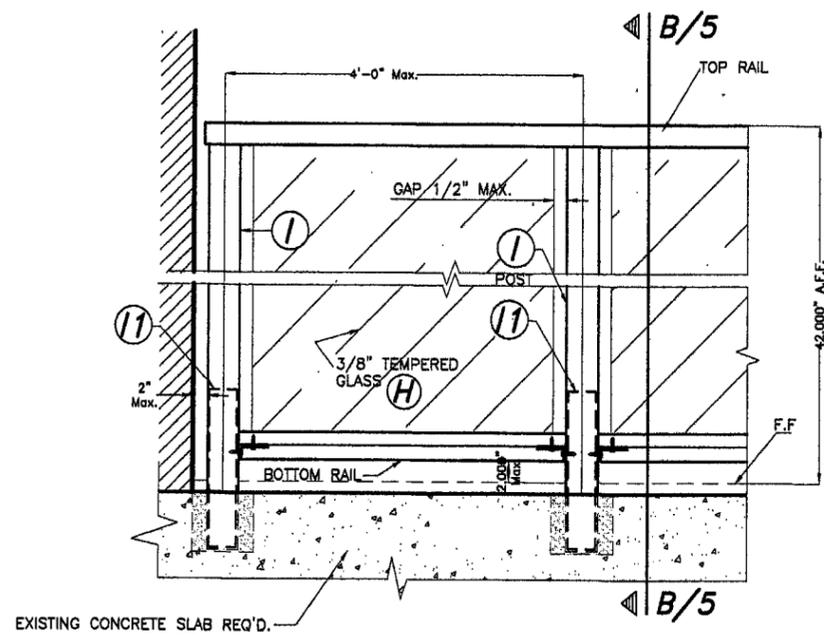
(SEE COMPONENTS ON SHEET 2 OF 6)

ITEM	DESCRIPTION	SIZE & QUANTITY	MATERIAL & REMARKS
A	TOP RAIL CAP	4.772" x 3.000" x 0.090" Min. thk. CONT.	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
B	TOP RAIL CAP SUPPORT W/O GLASS RETAINER	4.488" x 0.858" x 0.090" Min. thk. CONT.	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
C	TOP RAIL CAP SUPPORT W/ GLASS RETAINER	4.488" x 1.268" x 0.090" Min. thk. CONT.	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
D	INTERMEDIATE & BOTTOM RAIL	1.795" x 1.944" x 0.063" Min. thk. CONT.	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
E	INTERMEDIATE & BOTTOM RAIL CAP	1.795" x 1.110" x 0.063" Min. thk. CONT.	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
F	TOP RAIL GASKET RUBBER BY PERFILES ESPECIALES LTDA. FLEXES, BOGOTA, COLOMBIA	0.500" x 0.993" x 0.062" Min. thk. CONT.	1450 psi TENSILE STRENGTH, 580 psi YIELD STRENGTH & 55 HARDENESS PER ASTM D-2240
G	TOP RAIL GASKET RUBBER BY PERFILES ESPECIALES LTDA. FLEXES, BOGOTA, COLOMBIA	0.500" x 1.680" x 0.062" Min. thk. CONT.	1450 psi TENSILE STRENGTH, 580 psi YIELD STRENGTH & 55 HARDENESS PER ASTM D-2240
H	TEMPERED GLASS	0.375" thk. x 44 3/8" Max. WIDE x 31" to 35 3/4" HIGH Max.	TEMPERED GLASS
I	POST	2.625" x 3.500" x 0.125" Min. thk. @ 48" o.c. Max.	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
I1	INSERT FOR POST ① (AT BOTTOM)	2.335" x 3.210" x 0.125" Min. thk. @ 48" o.c. Max.	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi TOP OF INSERT MUST STOP 10" A.F.F.
J	CORNER POST, 90°	3.500" x 3.500" x 0.156" Min. thk. @ 90° CORNERS	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
K	CORNER POST, 135°	2.500" x 3.500" x 0.219" Min. thk. @ 135° CORNERS	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
L	CORNER CONNECTOR PLATE, 90° (AT TOP OF TOP RAIL CAP ②)	4.152" x 4.152" x 0.125" Min. thk. @ 90° CORNERS	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
M	CORNER CONNECTOR PLATE, 135° (AT TOP OF TOP RAIL CAP ②)	3.750" x 3.000" x 0.125" Min. thk. @ 135° CORNERS	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
O	INTERMEDIATE & BOTTOM RAIL BRACKET	1.000" x 2.00" x 0.125" Min. thk. x 1.375" LONG	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
P	TOP RAIL CAP WALL BRACKET	1.000" x 2.00" x 0.125" Min. thk. x 3.750" LONG	6063-T6 ALLOY EXTRUDED ALUMINUM W/ Min. Fy=25 ksi
Q	HARD-ROK™, HIGH STRENGTH EXTERIOR/INTERIOR ANCHORING CEMENT, NON-SHRINK QUICK CURE CEMENTITIOUS PRODUCT, MANUFACTURED BY ADHESIVES TECHNOLOGY CORP., POMPANO BEACH, FLORIDA 33064.	FILL ENTIRE HOLE OR PRE-SET HOLE. SHALL BE INSTALLED STRICTLY FOLLOWING ALL OF THE MANUFACTURER'S SPECIFICATIONS.	f'c=9 ksi @ 7 DAYS AND f'c=11.25 ksi @ 28 DAYS

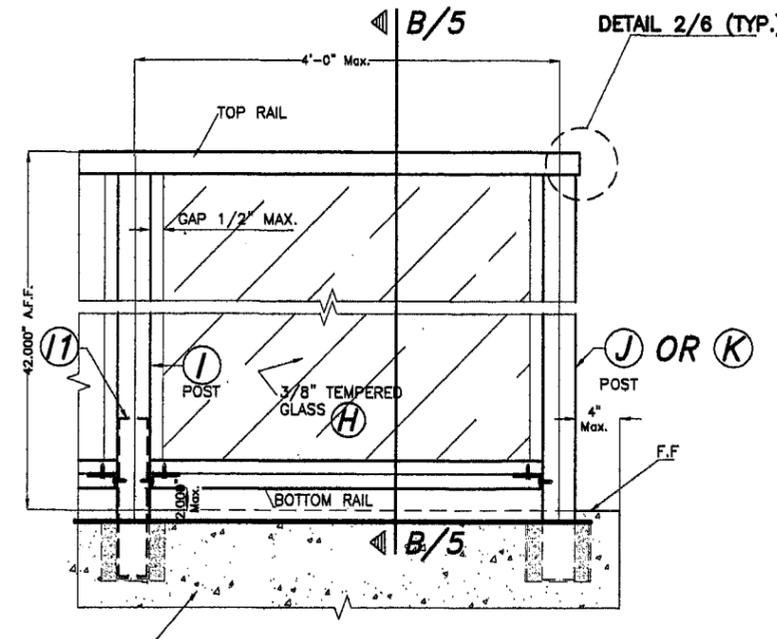
PRODUCT REVISED
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 By Helena A. Meli
 Miami Dade Product Control
 Division
 MIAMI-DADE COUNTY

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

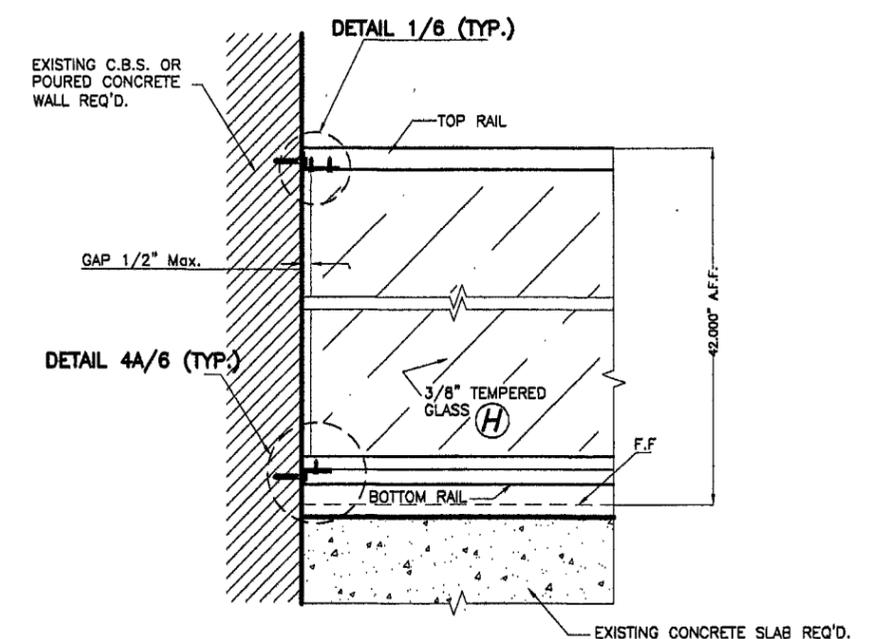
 JUN 02 2009 P.E. SEAL/SIGNATURE/DATE	<small>© 2009 TILTECO INC.</small> <small>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167</small>	GLAZED RAILING G. CONSTRUCTION GROUP, INC. D/B/A G. SQUARE ALUMINUM PRODUCTS <small>3101 S.W. 25 STREET, SUITE 100 PEMBROKE PARK, FL 33009 PH: (954)364-4224 FAX: (954)364-4226</small>	DRAWN BY: F.P. 06/02/09 DATE 09-085 DRAWING No SHEET 3 OF 6																		
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE																
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2	-	-	4	-	-																



END WALL CASE W/ POST



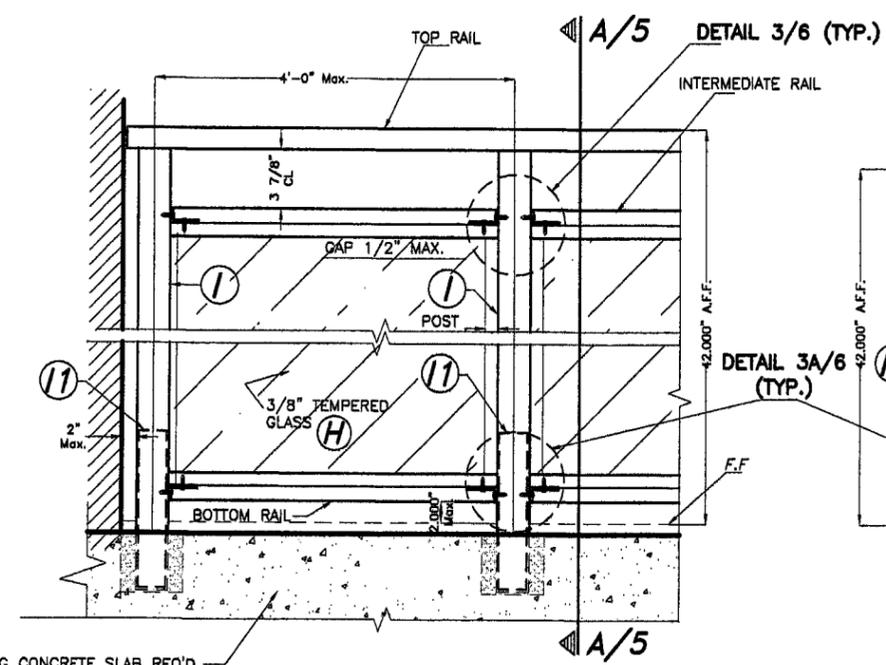
CORNER CASE



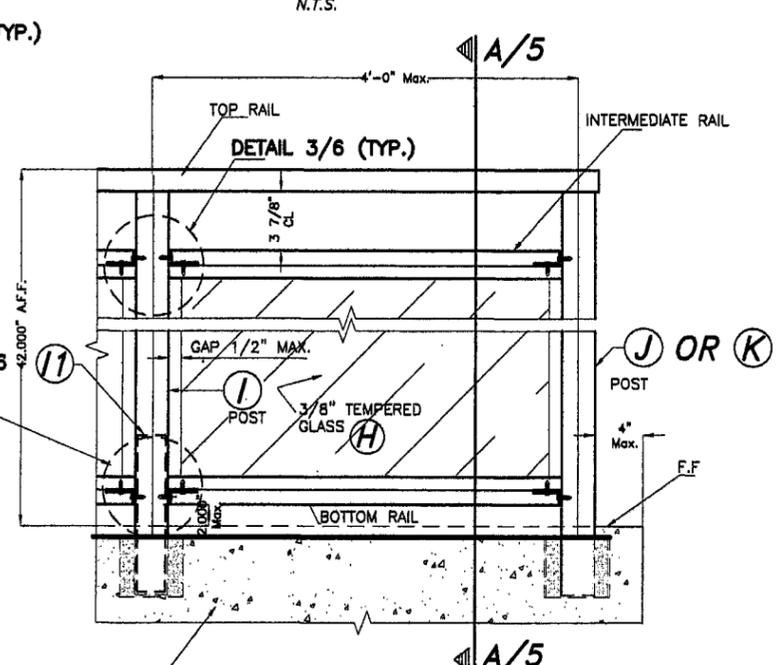
END WALL CASE W/O POST *

**ELEVATIONS:
W/ EMBEDDED POSTS INTO CONCRETE SLAB
W/O INTERMEDIATE RAIL**

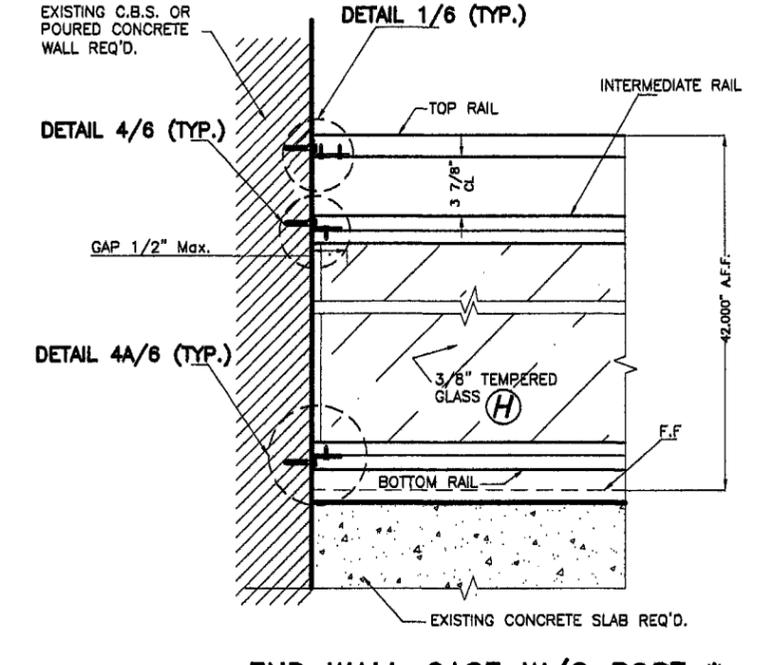
N.T.S.



END WALL CASE W/ POST



CORNER CASE



END WALL CASE W/O POST *

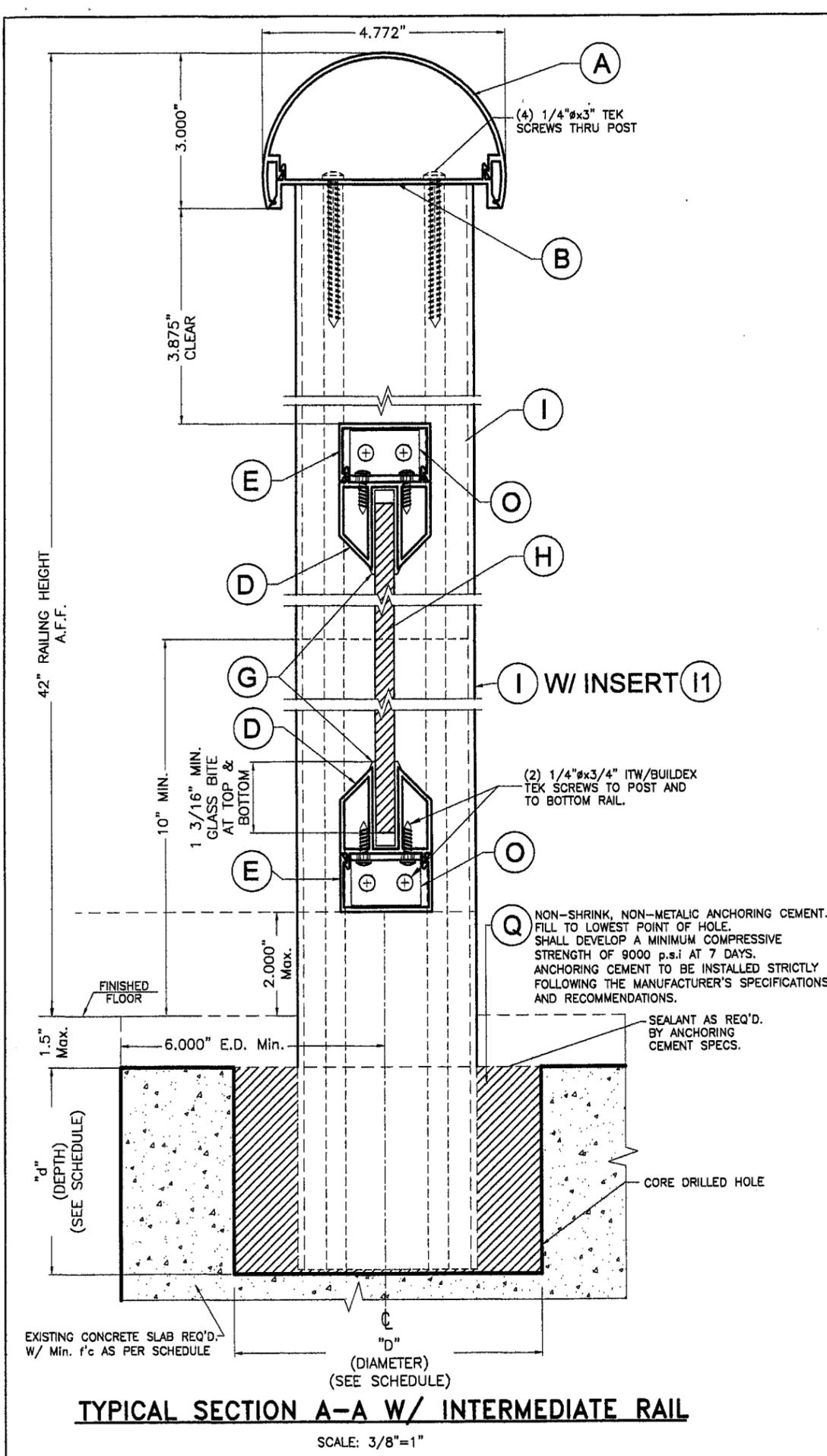
**ELEVATIONS:
W/ EMBEDDED POSTS INTO CONCRETE SLAB
W/ INTERMEDIATE RAIL**

N.T.S.

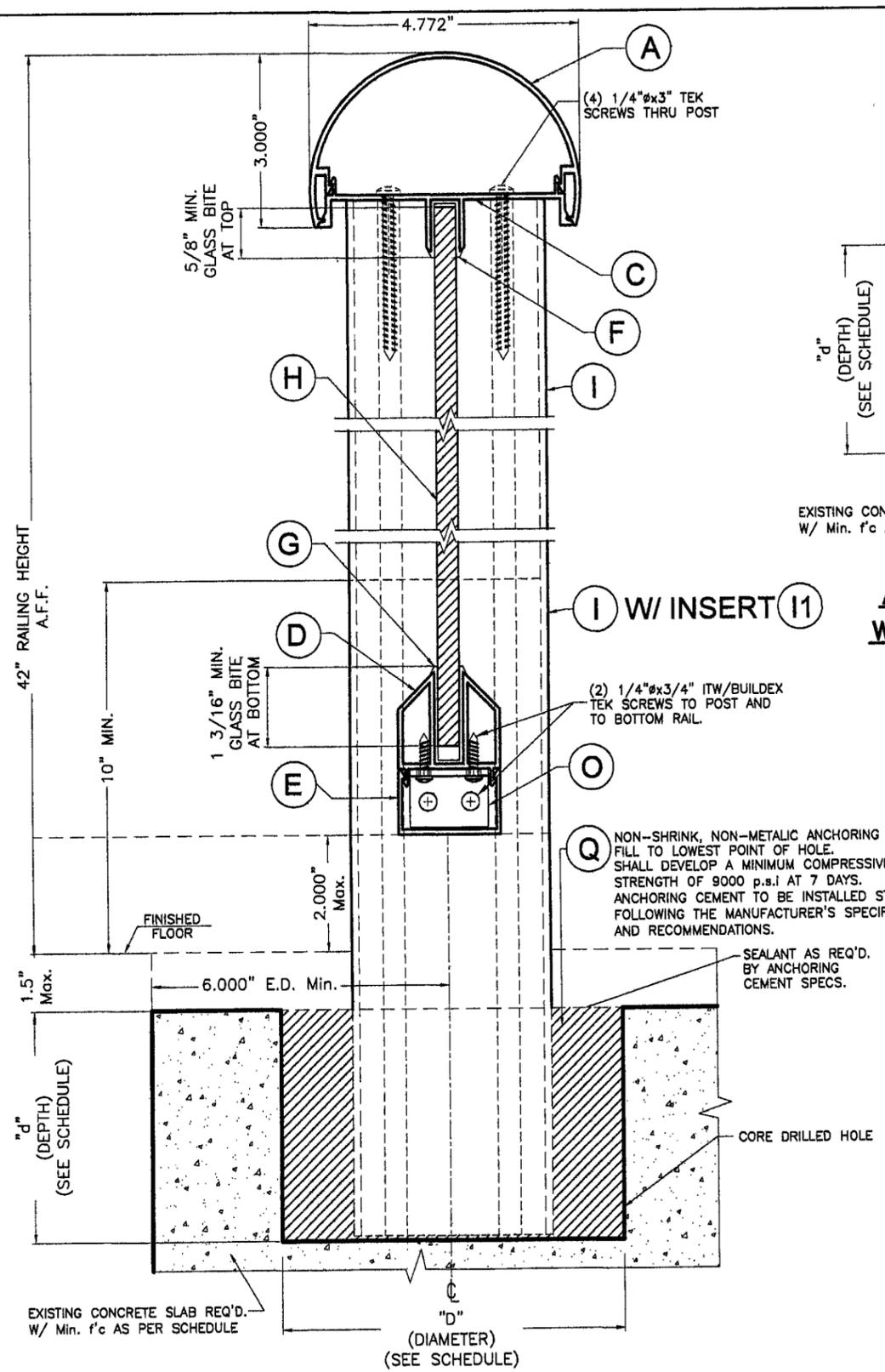
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0615.05
Expiration Date 08/07/2013
By *Helmy A. Maher*
Miami Dade Product Control
Division
MIAMI-DADE COUNTY

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

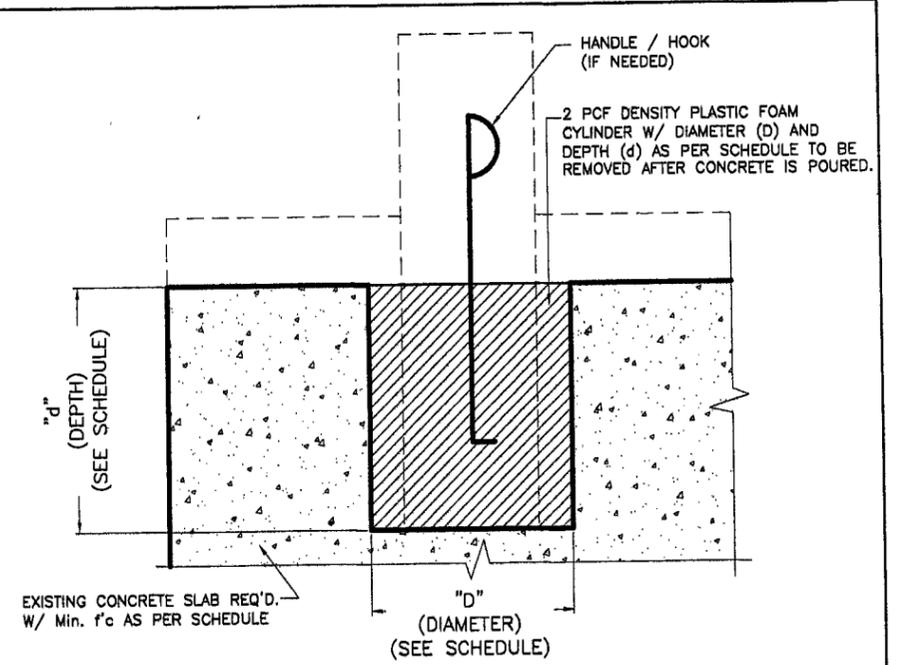
 JUN 02 2009 P.E. SEAL/SIGNATURE/DATE	© 2009 TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167	GLAZED RAILING G. CONSTRUCTION GROUP, INC. D/B/A G. SQUARE ALUMINUM PRODUCTS 3101 S.W. 25 STREET, SUITE 100 PEMBROKE PARK, FL 33009 PH: (954)364-4224 FAX: (954)364-4226		DRAWN BY: F.P.
		REV. NO DESCRIPTION DATE REV. No DESCRIPTION DATE 1 OLD 07-210 06/02/09 3 - - 2 - - 4 - -		06/02/09 DATE 09-085 DRAWING No SHEET 4 OF 6



TYPICAL SECTION A-A W/ INTERMEDIATE RAIL
SCALE: 3/8"=1"



TYPICAL SECTION B-B W/O INTERMEDIATE RAIL
SCALE: 3/8"=1"



ALTERNATE INSTALLATION OF POST INTO HOLE W/O CORE DRILLING CONCRETE BUT INSTALLING PRE-MOLDED FOAM CYLINDER
SCALE: 3/8"=1"

SCHEDULE:

f'c (psi)	D* (in)	d (in)
3000	5"	6 1/2"
4000	5"	5 1/2"
5000	5"	5"

* USE D= 6" AT 90° CORNER POSTS (J) OR 135° CORNER POSTS (K)

Q NON-SHRINK, NON-METALIC ANCHORING CEMENT. FILL TO LOWEST POINT OF HOLE. SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 9000 p.s.i. AT 7 DAYS. ANCHORING CEMENT TO BE INSTALLED STRICTLY FOLLOWING THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

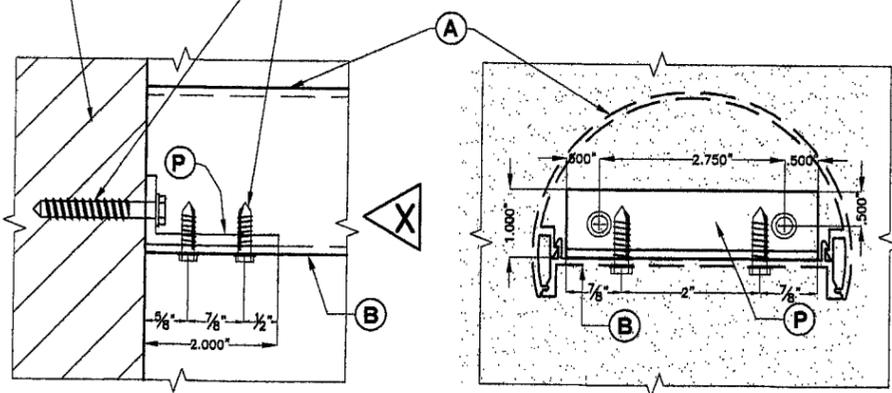
PRODUCT REVISED
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By *Helmy A. Helmy*
Miami Dade Product Control Division
MIAMI-DADE COUNTY

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		09-085 DRAWING No		06/02/09 DATE																	
<table border="1"> <thead> <tr> <th>REV. NO</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD 07-210</td> <td>06/02/09</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>4</td> <td>-</td> <td>-</td> </tr> </tbody> </table>		REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 07-210	06/02/09	3	-	-	2	-	-	4	-	-	SHEET 5 OF 6	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE																
1	OLD 07-210	06/02/09	3	-	-																
2	-	-	4	-	-																

EXISTING CONCRETE BLOCK OR POURED CONCRETE WALL REQ'D.

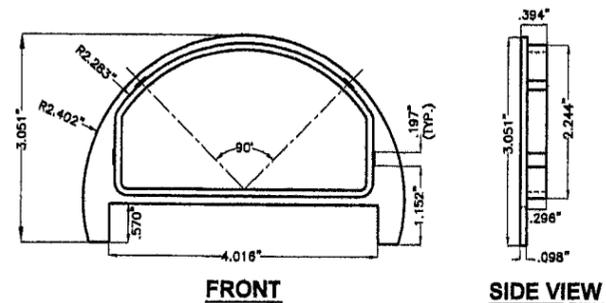
(2) 1/4"Ø ITW/BUILDEX TAPCON ANCHORS W/ 1 1/4" MIN. EMBEDMENT TO WALL BEYOND ANY WALL FINISH AND (2) 1/4"Øx3/4" ITW/BUILDEX TEK SCREWS TO TOP RAIL.



ELEVATION

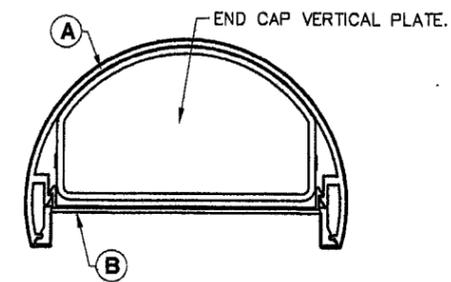
VIEW X

DETAIL 1
SCALE 3/8"=1"



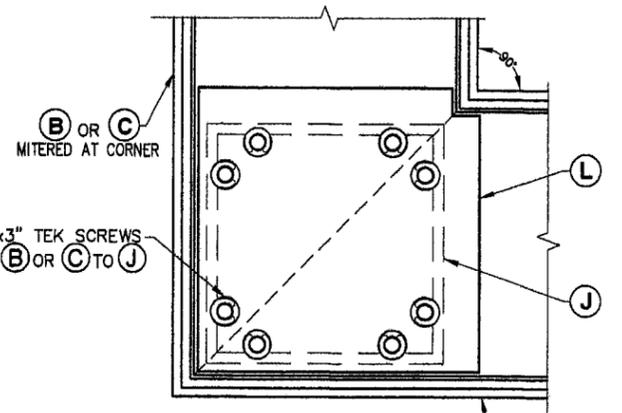
FRONT
END CAP VERTICAL PLATE
SCALE 3/8"=1"

SIDE VIEW

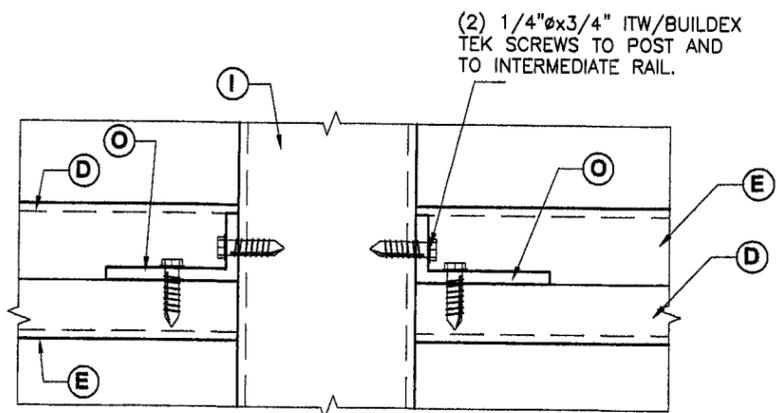


DETAIL 2
SCALE 3/8"=1"

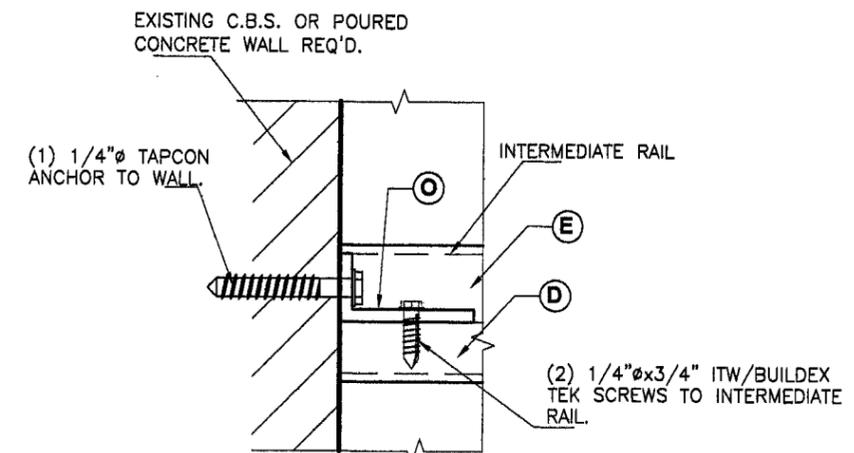
(4) 1/4"Øx3" TEK SCREWS THRU (L), (B) OR (C) TO (J)



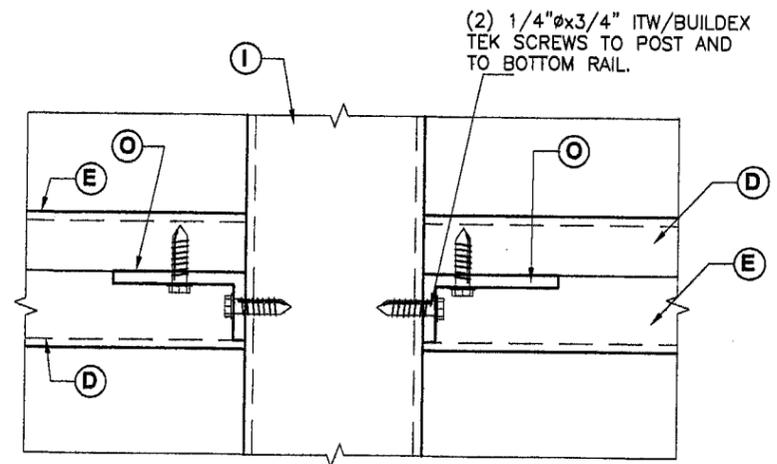
90° CORNER POST (PLAN)



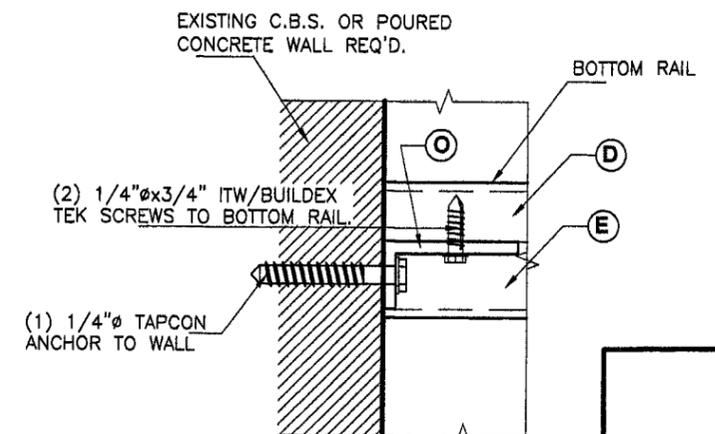
DETAIL 3
SCALE 3/8"=1"



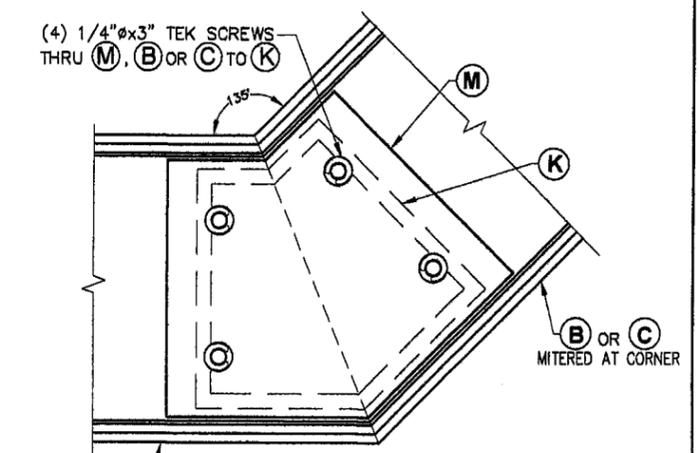
DETAIL 4
SCALE 3/8"=1"



DETAIL 3A
SCALE 3/8"=1"



DETAIL 4A
SCALE 3/8"=1"



135° CORNER POST (PLAN)

SPLICE PLATES AT CORNER POSTS

SCALE 3/8"=1"

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 09-0615.05 Expiration Date 08/07/2013 By *Helmy A. Matar* Miami Dade Product Control Division MIAMI-DADE COUNTY

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

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		REV. NO 1 2	DESCRIPTION OLD 07-210 -	DATE 06/02/09 -
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