



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Aldora Aluminum & Glass Products, Inc.
11500 Miramar Parkway, Suite 300
Miramar, FL 33025

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "TCW-250 TS Reinforced SMI" Aluminum Window Wall System – S.M.I.

APPROVAL DOCUMENT: Drawing No. ACW-250TS.SMI.R, titled "TCW-250TS SMI (w/Reinforcing)", sheets 1 through 15 of 15, dated 11/12/13, with revision #1 dated 06/13/14, prepared by Bromley Cook Engineering, Inc., signed and sealed by William D. Cook, 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 Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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# 11-0531.10 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



Manuel Perez
6/27/14

NOA No. 13-1203.12
Expiration Date: October 20, 2016
Approval Date: July 03, 2014
Page 1

Aldora Aluminum & Glass Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **ACW-250TS.SMI.R**, titled "TCW-250TS SMI (w/Reinforcing)", sheets 1 through 15 of 15, dated 11/12/13, with revision #1 dated 06/13/14, prepared by Bromley Cook Engineering, Inc., signed and sealed by William D. Cook, P.E.

B. TESTS

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) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with installation diagram of a series TCW 250-TS aluminum curtain wall system, marked-up by Hurricane Test Laboratory, LLC Test Report No. **HTL-0062-1113-03**, dated 12/15/03, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA #05-0824.06)

C. CALCULATIONS

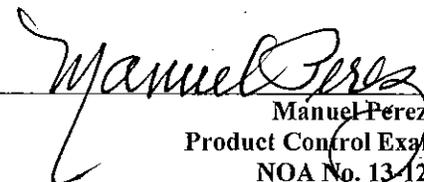
1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 06/13/14, prepared by Bromley-Cook Engineering, Inc., signed and sealed by William D. Cook, P.E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.



Manuel Perez, P.E.

Product Control Examiner

NOA No. 13-1203.12

Expiration Date: October 20, 2016

Approval Date: July 03, 2014

Aldora Aluminum & Glass Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

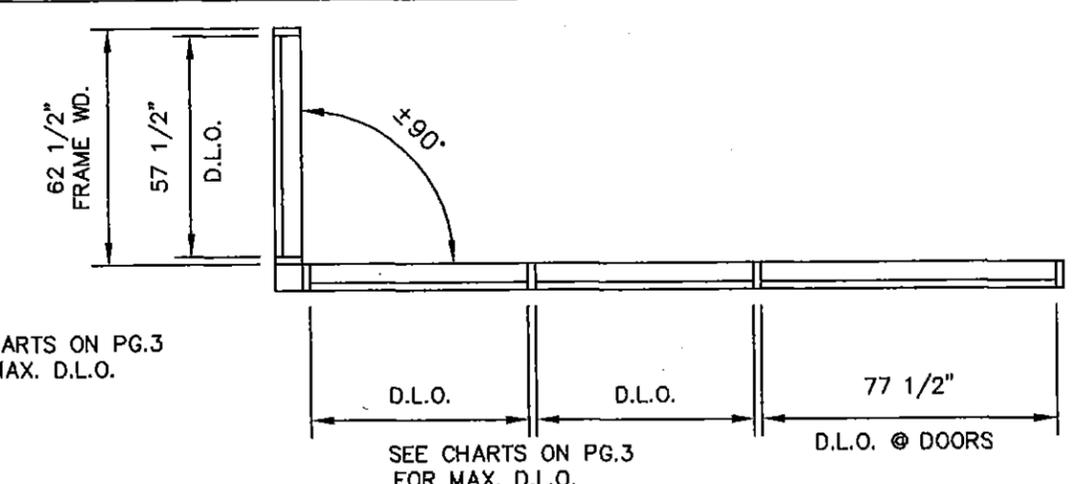
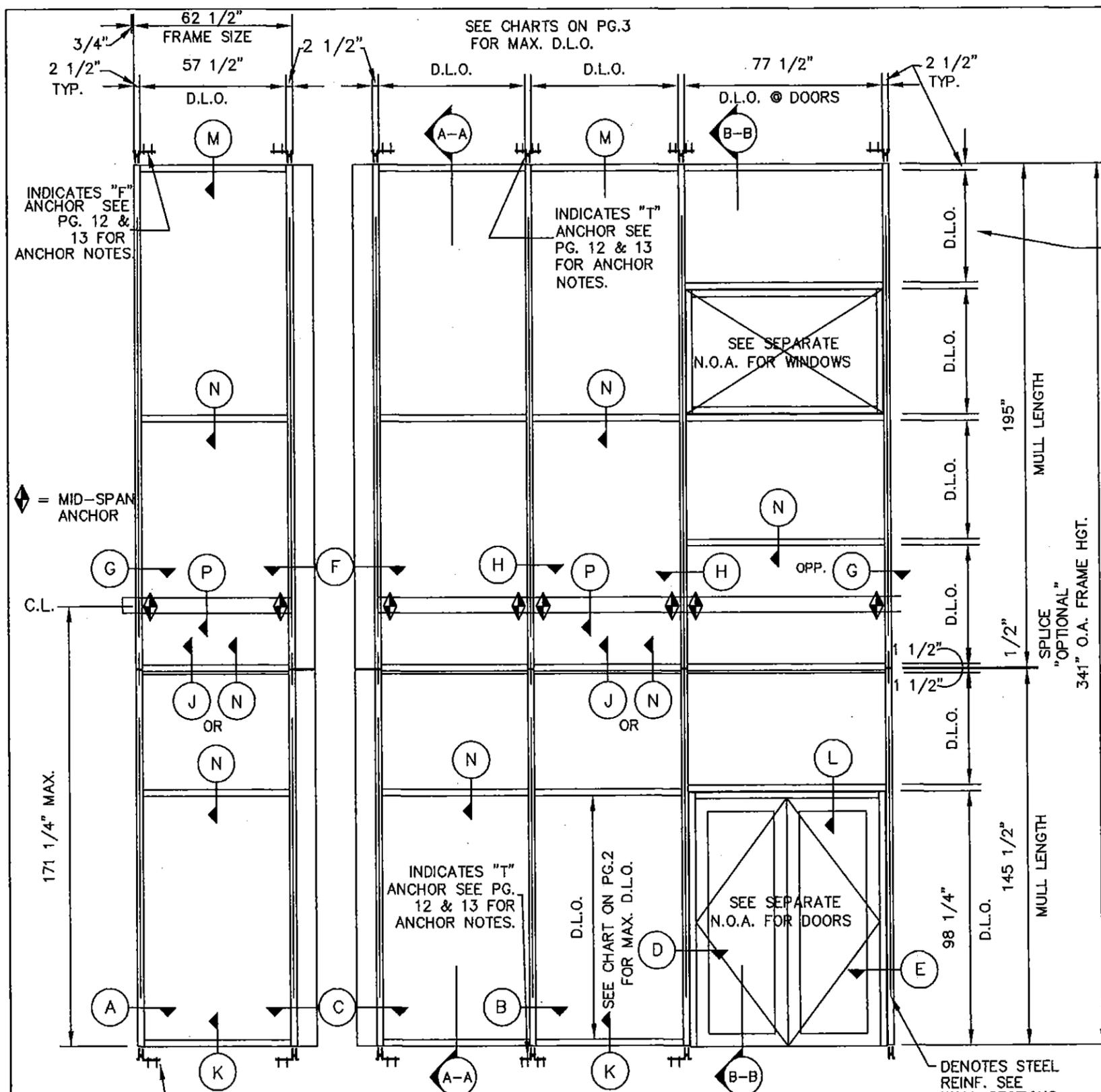
1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, dated June 13, 2014, issued by Bromley · Cook | Engineering, signed and sealed by William W. Cook, P.E.
2. Statement letter of no financial interest, dated June 13, 2014, issued by Bromley · Cook | Engineering, signed and sealed by William W. Cook, P.E.
3. Laboratory compliance letter for Test Report No. **HTL-0062-1113-03**, issued by Hurricane Test Laboratory, LLC, dated December 15, 2003, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA #05-0824.06)
4. Bill of Sales, asset purchase agreement dated April 19, 2013, signed by Mr. Edwin Trainor and Mr. Leon J. Silverstein.
5. Letter from owners of existing NOA stating that they have sold all assets to the applicant, that they no longer manufacture the product and relinquish their rights to the current NOA, dated April 15, 2013, signed by Mr. Ed Trainor.

G. OTHERS

1. Notice of Acceptance No. **11-0531.10**, issued to Trainor Glass Company for their Series "TCW-250 TS" Aluminum Curtain Wall System – S.M.I., approved on 08/11/11 and expiring on 10/20/16.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-1203.12

Expiration Date: October 20, 2016
Approval Date: July 03, 2014



FLOOR PLAN
TCW-250TS SERIES WINDOW WALL SYSTEM
W/ REINFORCED MULLIONS (SMALL MISSILE IMPACT)

INSTRUCTIONS:

- STEP 1- DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, AND WIND ZONE USING APPLICABLE STANDARDS FROM ASCE 7.
- STEP 2- USE CHARTS ON SHEETS 2 AND 3 TO DETERMINE DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND TYPE.
- STEP 3- USE CHARTS ON SHEET 4 TO DETERMINE ALLOWABLE DESIGN PRESSURE BASED ON GIVEN MULLION LENGTH AND ANCHOR SPACING. (THE MAXIMUM ALLOWABLE DESIGN PRESSURE SHOULD BE EQUAL TO OR GREATER THAN THE DESIGN PRESSURE DETERMINED FOR THE OPENING).
- STEP 4- USE DETAILS AND CHARTS ON SHEETS 12 AND 13 TO DETERMINE ANCHOR OPTIONS BASED ON SUBSTRATE AND LOADING

NOTES:

- 1.) THIS PRODUCT IS DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE 5TH EDITION (2014) INCLUDING THE HIGH VELOCITY HURRICANE ZONE
- 2.) ALUMINUM WINDOW WALL SYSTEM IS TESTED FOR SMALL MISSILE IMPACT. HURRICANE SHUTTERS ARE NOT REQUIRED.
- 3.) THIS SYSTEM MAY ONLY BE INSTALLED IN OPENINGS 30' ABOVE GRADE AND HIGHER.
- 4.) THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI-DADE COUNTY APPROVED ENTRANCE DOORS AND OR WINDOWS.
- 5.) CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
- 6.) WOOD BUCKS MUST BE ENGINEERED SEPERATELY BY THE ENGINEER OF RECORD AND SHALL BE ANCHORED TO THE STRUCTURE PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 7.) ALL ANCHORS SHALL BE AS LISTED IN ANCHOR NOTES & CHARTS AND SHALL BE LOCATED AS DETAILED HEREIN.
- 8.) ANCHOR EMBEDMENT INTO BASE MATERIAL (SUBSTRATE) SHALL BE THROUGH WALL DRESSING, WOOD BUCKS AND DR. STUCCO.
- 9.) ALL STEEL IN CONTACT WITH ALUMINUM OR CONC. SHALL BE PAINTED WITH ASPHALTIC/BITUMINUOUS COATING No 43904

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-1203.12
Expiration Date 02/02/2016
By Manuel Perez
Miami Dade Product Control

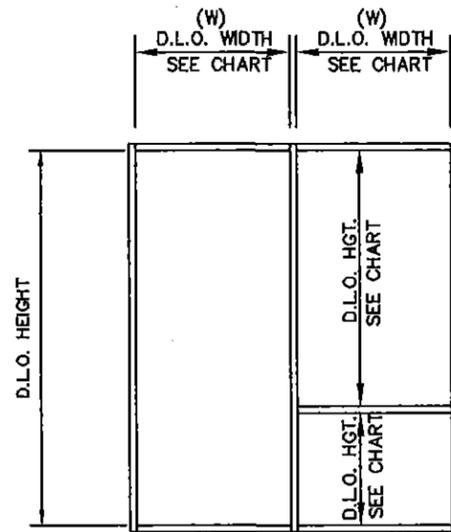
TYPICAL ELEVATIONS

| | | | | | |
|--|-------------------|------------------------------------|---|---------|-------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | REV. # | | DATE | DESCRIPTION |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | 1 | 8/13/14 | COMMENTS |
| SHT. 1 OF 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |

Aldora
Aluminum & Glass
Products, Inc.
11500 MIRAMAR PKWY, SUITE 300 MIRAMAR, FL 33025
PHONE: (954) 784-8900 FAX: (954) 784-8901

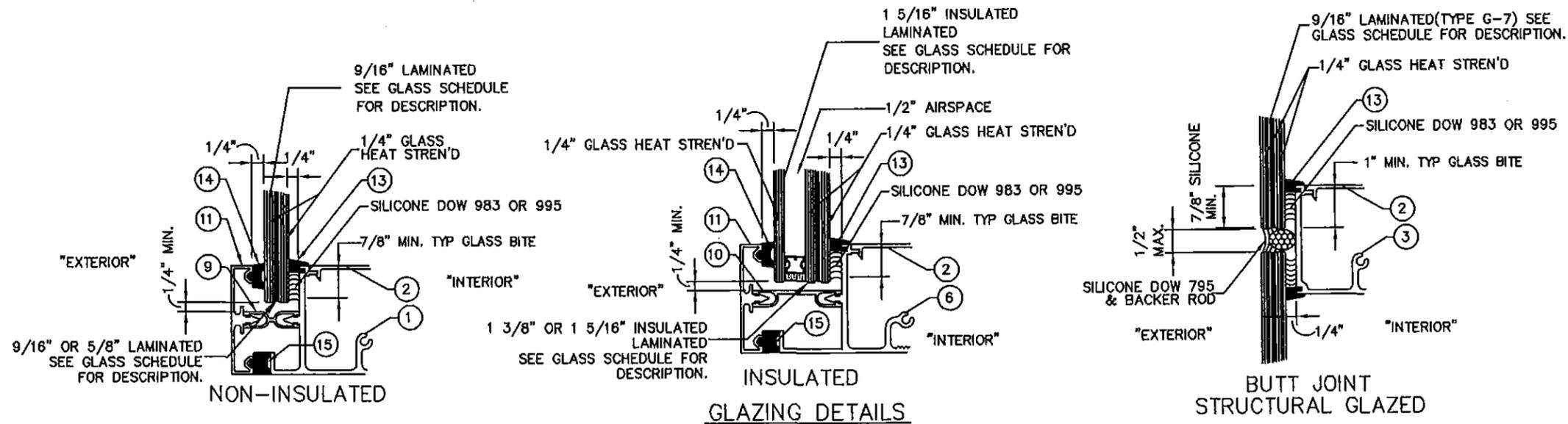
PROFESSIONAL SEAL
STATE OF FLORIDA
JUN 13 2014
WILLIAM D. COOK, P.E.
P.L. # 43904

BROMLEY COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4824 FAX: (954) 772-4634



| GLASS SCHEDULE (S.M.I.) | | | | |
|-------------------------|-------------------|---------------------------|---|--------------|
| TYPE | NOMINAL THICKNESS | DESCRIPTION | | MISSILE TYPE |
| G-7 | 9/16" | LAMINATED GLASS | 1/4" HS OUTBOARD- 0.060" DUPONT BUTACITE INTERLAYER- 1/4" HS INBOARD | SMALL |
| G-8 | 1 5/16" | INSULATED LAMINATED GLASS | 1/4" HS OUTBOARD- 1/2" AIRSPACE 1/4" HS- 0.060" DUPONT BUTACITE INTERLAYER- 1/4" HS INBOARD | SMALL |

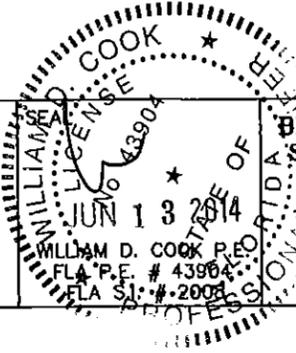
OPTIONAL: 6mm THK. COMPOSITE ALUMINUM PANEL IN LIEU OF GLAZING.
(COMPOSITION: 030" ALUM. SHEET - 3/16" PLYWOOD - .030" ALUM. SHEET)



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-1203.12
Expiration Date 03.10.2016
By *Manuel Perez*
Miami Dade Product Control

| | | | | | |
|--|------------------------------------|------------------------------------|-----------------|-------------------------|--|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | DRAWING NUMBER: ACW-250TS.SMI.R | | SHT. 2 OF 15 | |
| DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # 1 | DATE 6/13/14 | DESCRIPTION COMMENTS | |
| SCALE: N.T.S. | DATE: 11/12/13 | | | | |

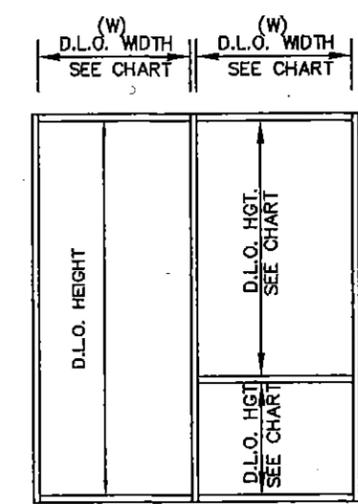
Aldora
Aluminum & Glass
Products, Inc.
11500 MIRAMAR PKWY, SUITE 300 MIRAMAR, FL. 33025
PHONE: (954) 784-6900 FAX: (954) 784-6901



BROMLEY COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
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TEL: (954) 772-4624 FAX: (954) 772-4634

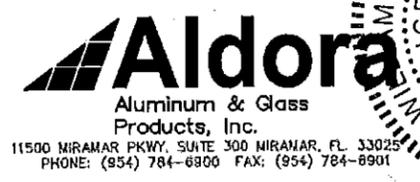
| GLASS LOAD CAPACITY (S.M.I.) - P.S.F. | | | | | |
|---------------------------------------|---------------|------------------------------------|----------|--|----------|
| NOMINAL DIM'S. | | LAMINATED GLASS GLASS TYPE: G-7 | | LAMINATED/INSULATED GLASS GLASS TYPE: G8 | |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT. (+) | EXT. (-) | EXT. (+) | EXT. (-) |
| 42" | 81" | 80 | 90 | 80 | 95 |
| 45" | | | | | |
| 48" | | | | | |
| 51" | | | | | |
| 54" | | | | | |
| 57" | | | | | |
| 60" | | | | | |
| 63" | | | | | |
| 66" | | | | | |
| 39" | 84" | | | | |
| 42" | | | | | |
| 45" | | | | | |
| 48" | | | | | |
| 51" | | | | | |
| 54" | | | | | |
| 57" | | | | | |
| 60" | | | | | |
| 64" | | | | | |
| 39" | 87" | | | | |
| 42" | | | | | |
| 45" | | | | | |
| 48" | | | | | |
| 51" | | | | | |
| 54" | | | | | |
| 57" | | | | | |
| 60" | | | | | |
| 62" | | | | | |
| 36" | 90" | | | | |
| 39" | | | | | |
| 42" | | | | | |
| 45" | | | | | |
| 48" | | | | | |
| 51" | | | | | |
| 54" | | | | | |
| 57" | | | | | |
| 60" | | | | | |
| 36" | 93" | | | | |
| 39" | | | | | |
| 42" | | | | | |
| 45" | | | | | |
| 48" | | | | | |
| 51" | | | | | |
| 54" | | | | | |
| 58" | | | | | |
| | | 80 | 90 | 80 | 95 |

| GLASS LOAD CAPACITY (S.M.I.) - P.S.F. | | | | | | |
|---------------------------------------|---------------|-----------------------------------|----------|--|----------|----|
| NOMINAL DIM'S. | | LAMINATED GLASS GLASS TYPE: G7 | | LAMINATED/INSULATED GLASS GLASS TYPE: G8 | | |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT. (+) | EXT. (-) | EXT. (+) | EXT. (-) | |
| 39" | 95" | 80 | 90 | 80 | 95 | |
| 42" | | | | | | |
| 45" | | | | | | |
| 48" | | | | | | |
| 51" | | | | | | |
| 54" | | | | | | |
| 56" | | | | | | |
| 36" | | 99" | | | | |
| 39" | | | | | | |
| 42" | | | | | | |
| 45" | | | | | | |
| 48" | | | | | | |
| 51" | | | | | | |
| 54" | | | | | | |
| 36" | 102" | | | | | |
| 39" | | | | | | |
| 42" | | | | | | |
| 45" | | | | | | |
| 48" | | | | | | |
| 51" | | | | | | |
| 53" | | | | | | |
| 36" | | 105" | | | | |
| 39" | | | | | | |
| 42" | | | | | | |
| 45" | | | | | | |
| 48" | | | | | | |
| 51" | | | | | | |
| 51" | | | | | | |
| 36" | 108" | | | | | |
| 39" | | | | | | |
| 42" | | | | | | |
| 45" | | | | | | |
| 48" | | | | | | |
| 50" | | | | | | |
| 36" | | 111" | | | | |
| 39" | | | | | | |
| 42" | | | | | | |
| 45" | | | | | | |
| 48" | | | | | | |
| 36" | 114" | | | | | |
| 39" | | | | | | |
| 42" | | | | | | |
| 45" | | | | | | |
| 47" | | | | | | |
| | | | 80 | 90 | 80 | 95 |

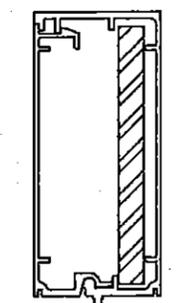
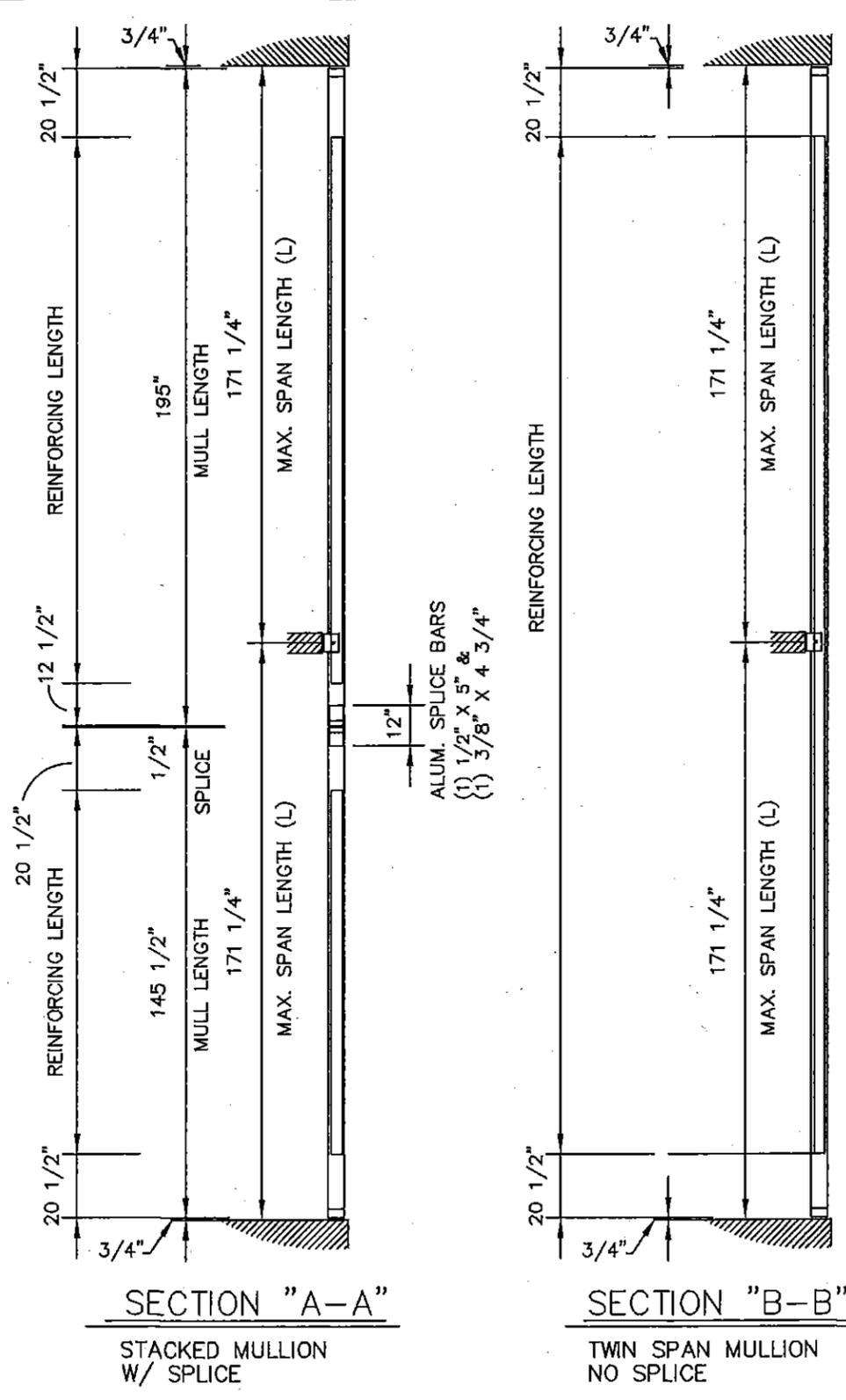


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-1203.12
Expiration Date Oct 20, 2016
By *Manuel Perez*
Miami Dade Product Control

| | | | | | |
|---|-------------------|------------------------------------|-------------|-----------------|-------------------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # 1 | DATE 6/13/14 | DESCRIPTION COMMENTS |
| SHT. 3 of 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |



BROMLEY COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
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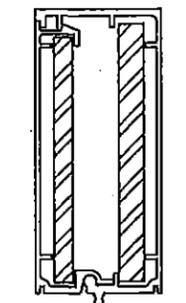


JAMB MULLION
IGF-201/202

REINFORCING: 1/2" X 5" STEEL BAR (A36)

ALUMINUM: I_{xx} = 9.33 in⁴
S_{xx} = 3.39 in³

STEEL: I_{xx} = 5.21 in⁴
S_{xx} = 2.08 in³
(NOT CONVERTED)

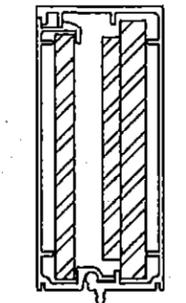


MULLION
IGF-201/202

REINFORCING: 1/2" X 5" & 3/8" X 4 3/4" STEEL BAR (A36)

ALUMINUM: I_{xx} = 9.33 in⁴
S_{xx} = 3.39 in³

STEEL: I_{xx} = 8.56 in⁴
S_{xx} = 3.49 in³
(NOT CONVERTED)



MULLION
IGF-201/202

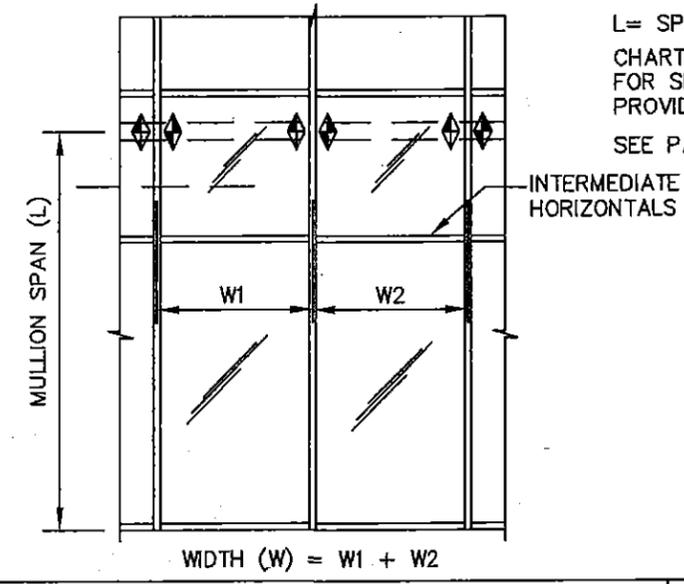
REINFORCING: 1/2" X 5" W/ 1/4" X 3 1/2" (WELDED) & 3/8" X 4 3/4" STEEL BAR (A36)

ALUMINUM: I_{xx} = 9.33 in⁴
S_{xx} = 3.39 in³

STEEL: I_{xx} = 9.45 in⁴
S_{xx} = 4.00 in³
(NOT CONVERTED)

JAMB & MULLION LOAD CAPACITY - P.S.F.
(REINFORCED MULLIONS)

| NOMINAL DIM'S. | | 1 TWIN SPAN JAMB | | 1 STACKED JAMB | | 2 TWIN SPAN MULLION | | 2 STACKED MULLION | | 3 TWIN SPAN MULLION | | 3 STACKED MULLION | | |
|----------------|------------------|------------------|----------|----------------|----------|---------------------|----------|-------------------|----------|---------------------|----------|-------------------|----------|----|
| WIDTH (W) | MULLION SPAN (L) | EXT. (+) | EXT. (-) | EXT. (+) | EXT. (-) | EXT. (+) | EXT. (-) | EXT. (+) | EXT. (-) | EXT. (+) | EXT. (-) | EXT. (+) | EXT. (-) | |
| 48" | 171 1/4" MAX. | 80 | 95 | 80 | 95 | 80 | 91.5 | 80 | 95 | 80 | 95 | 80 | 95 | |
| 54" | | | | | | 80 | 81.5 | 80 | 95 | 80 | 87.5 | | | |
| 60" | | | | | | 73.5 | 73.5 | 80 | 95 | 79 | 79 | | | |
| 62" | | | | | | 70.5 | 70.5 | 80 | 92 | 76 | 76 | | | |
| 68" | | | 80 | 93 | | | 64.5 | 64.5 | 80 | 84 | 69.5 | 69.5 | | |
| 74" | | | 80 | 85 | | | 59 | 59 | 77 | 77 | 67 | 67 | | 90 |
| 80" | | | 79.5 | 79.5 | 80 | 95 | 55 | 55 | 71.5 | 71.5 | 62 | 62 | 80 | 85 |



L = SPAN BETWEEN SUPPORTS/ANCHOR POINTS
 CHART DATA IS BASED ON MAXIMUM TESTED LENGTH.
 FOR SHORTER SPANS, ENGINEERED CALCULATIONS SHALL BE PROVIDED ON A JOB SPECIFIC BASIS.
 SEE PAGE 12 & 13 FOR ANCHOR TYPES & OPTIONS.

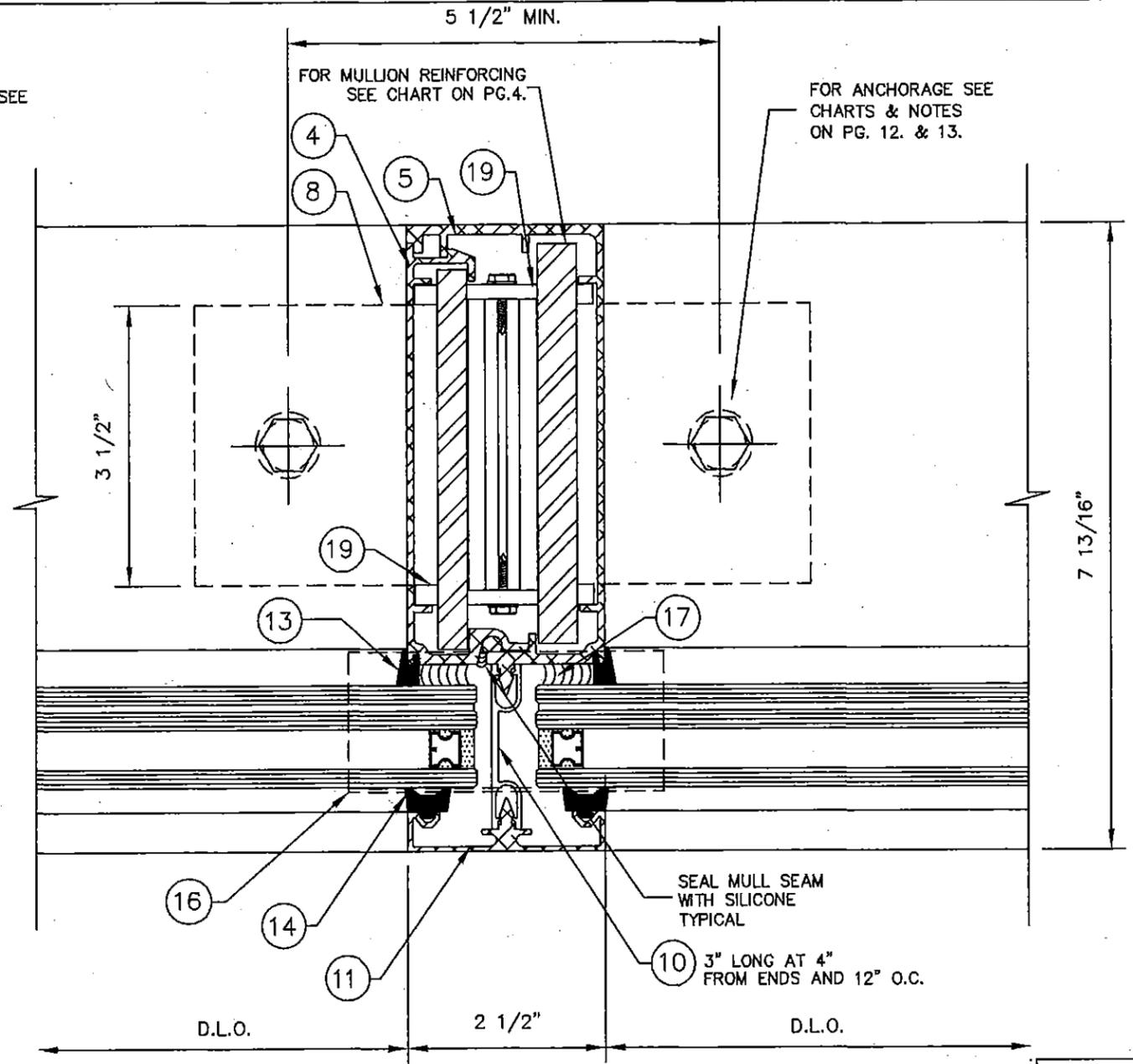
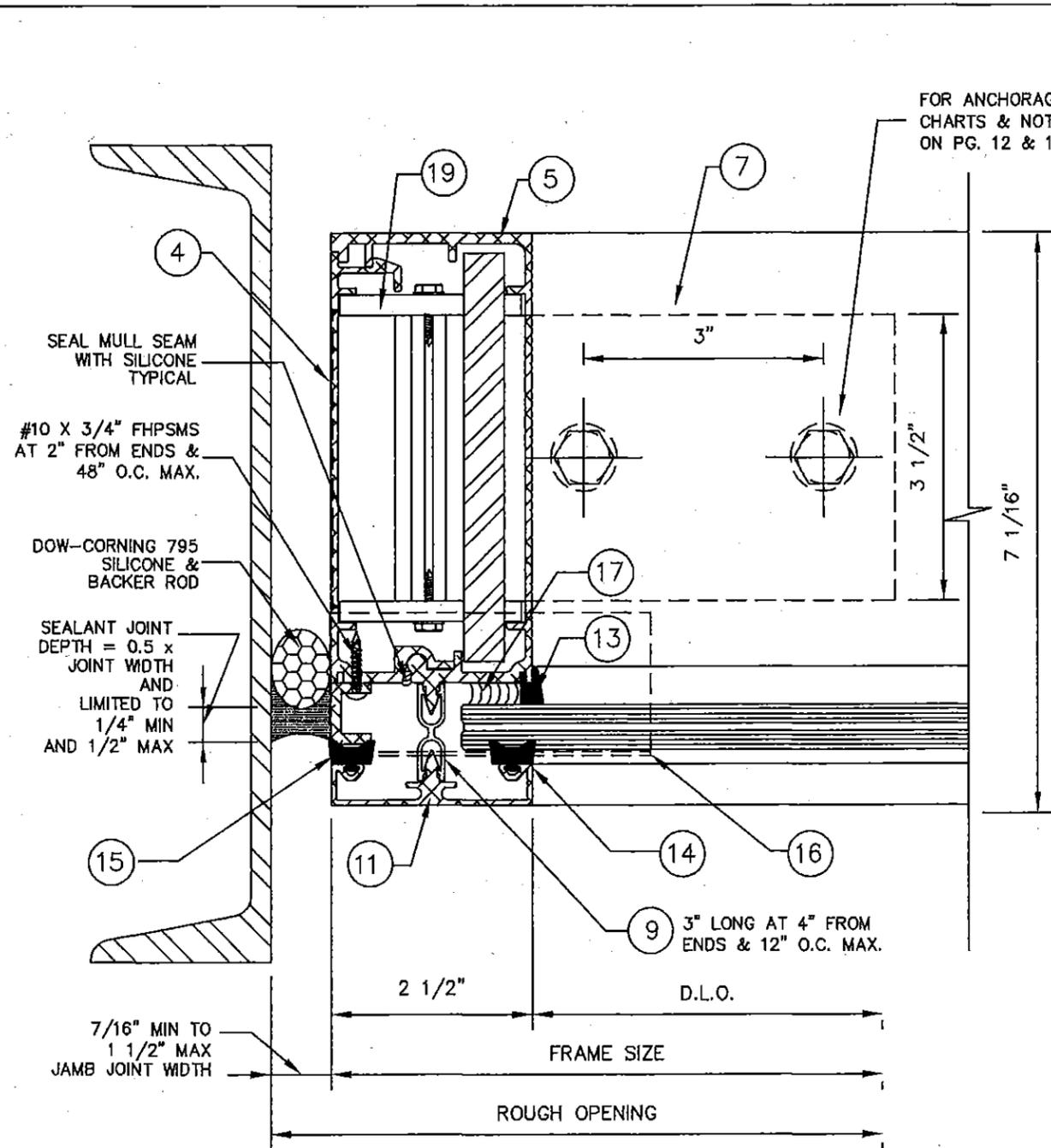
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 13-1203.12
 Expiration Date 02.20.2016
 By *Manuel Ruiz*
 Miami Trade Product Control

| | | | | | | |
|--|-------------------|------------------------------------|--|-------------------|-----------------|-------------------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | EXTRUSION NO. AND LOCATION: N/A | | REV. # 1 | DATE 6/13/14 | DESCRIPTION COMMENTS |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | SCALE: N.T.S. | | DATE: 11/12/13 | | |
| SHT. 4 of 15 | | | | | | |

Aldora
 Aluminum & Glass Products, Inc.
 11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL 33025
 PHONE: (954) 784-6900 FAX: (954) 784-6901

BROMLEY COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD AVENUE SUITE 100
 FORT LAUDERDALE, FLORIDA 33309
 TEL: (954) 772-4624 FAX: (954) 772-4634

Professional Engineer Seal: WILLIAM D. COOK, No. 43904, STATE OF FLORIDA, JUN 13 2014, P.E. # 43804



(A) JAMB

(B) MULLION

JAMB SEALANT NOTES:

PERIMETER SEALANT OPTIONS:
DOW-CORNING 795 SILICONE

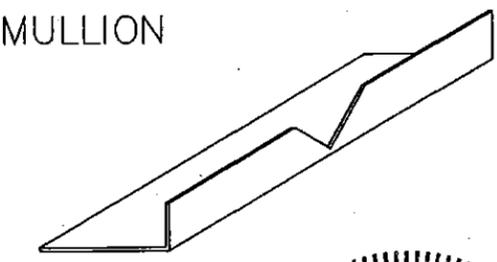
ALTERNATE SEALANTS AND JAMB GAPS:
TO BE APPROVED BY DESIGN
PROFESSIONAL OF RECORD AND
SEALANT MANUFACTURER

SEALANT NOTES:

GLAZING BEAD AT FRAME SEALED
TO GLASS WITH DOW CORNING
983/995

FRAME PERIMETER TO STRUCTURE
SEALED WITH DOW CORNING 795

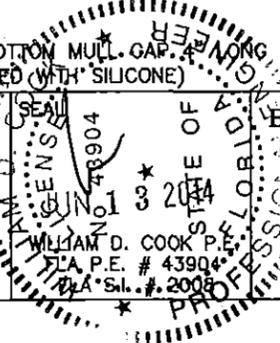
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-1203.12
Expiration Date OCT 20, 2016
By *Manuel Paz*
Professional Seal



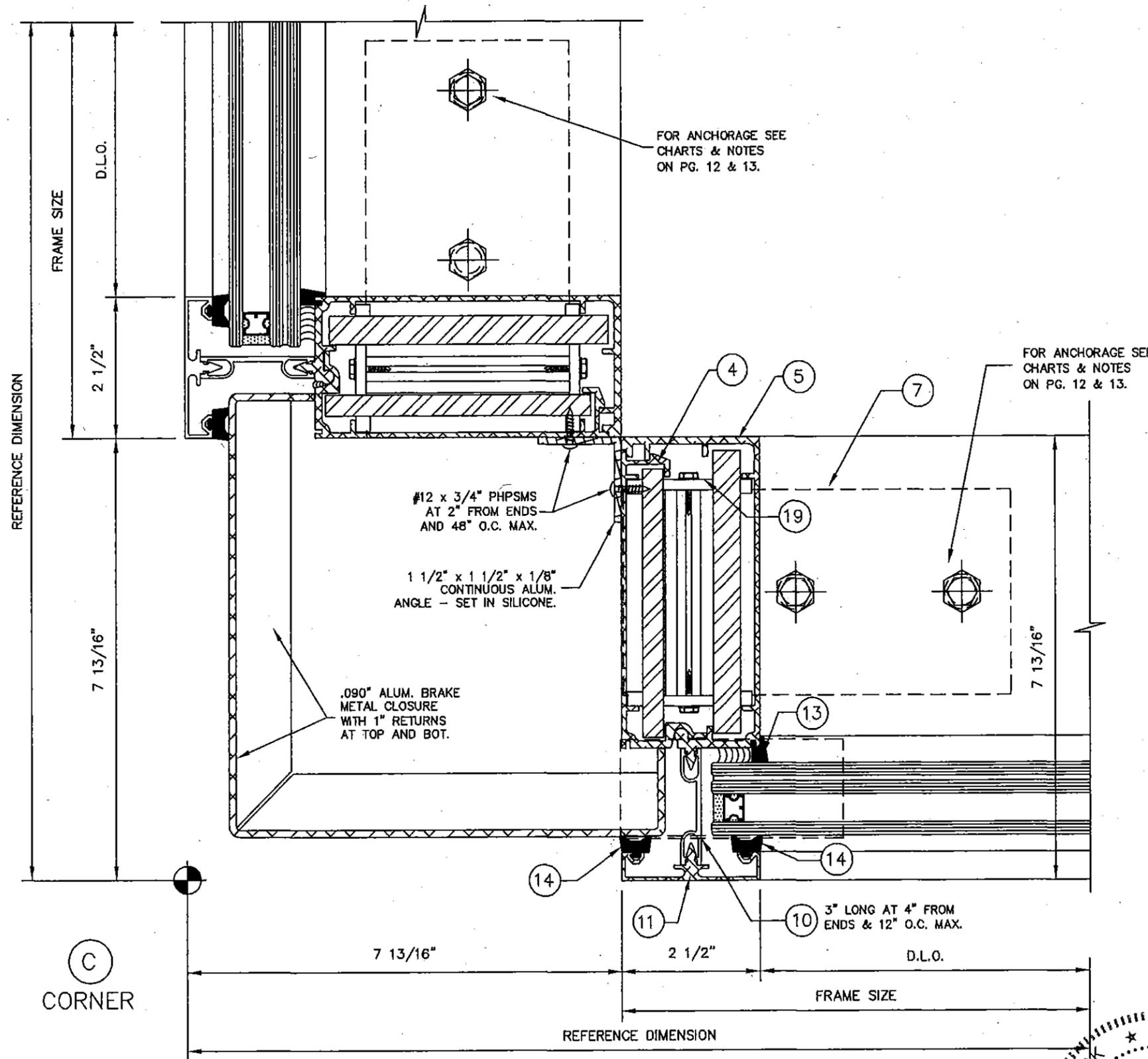
(16) .040" ALUM. BOTTOM MULL. GAP. (ATTACHED WITH SILICONE)

| | | | | | |
|---|-------------------|------------------------------------|-------------|-----------------|-------------------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # 1 | DATE 6/13/14 | DESCRIPTION COMMENTS |
| SHT. 5 of 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |

Aldora
Aluminum & Glass
Products, Inc.
11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL 33025
PHONE: (954) 784-8900 FAX: (954) 784-8901



BROMLEY COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634



FOR ANCHORAGE SEE CHARTS & NOTES ON PG. 12 & 13.

FOR ANCHORAGE SEE CHARTS & NOTES ON PG. 12 & 13.

#12 x 3/4" PHSMS AT 2" FROM ENDS AND 48" O.C. MAX.

1 1/2" x 1 1/2" x 1/8" CONTINUOUS ALUM. ANGLE - SET IN SILICONE.

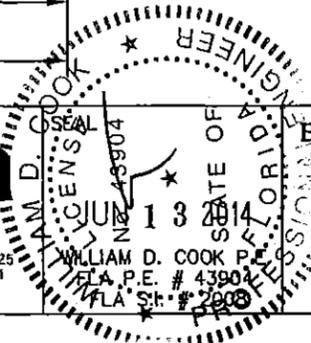
.090" ALUM. BRAKE METAL CLOSURE WITH 1" RETURNS AT TOP AND BOT.

3" LONG AT 4" FROM ENDS & 12" O.C. MAX.

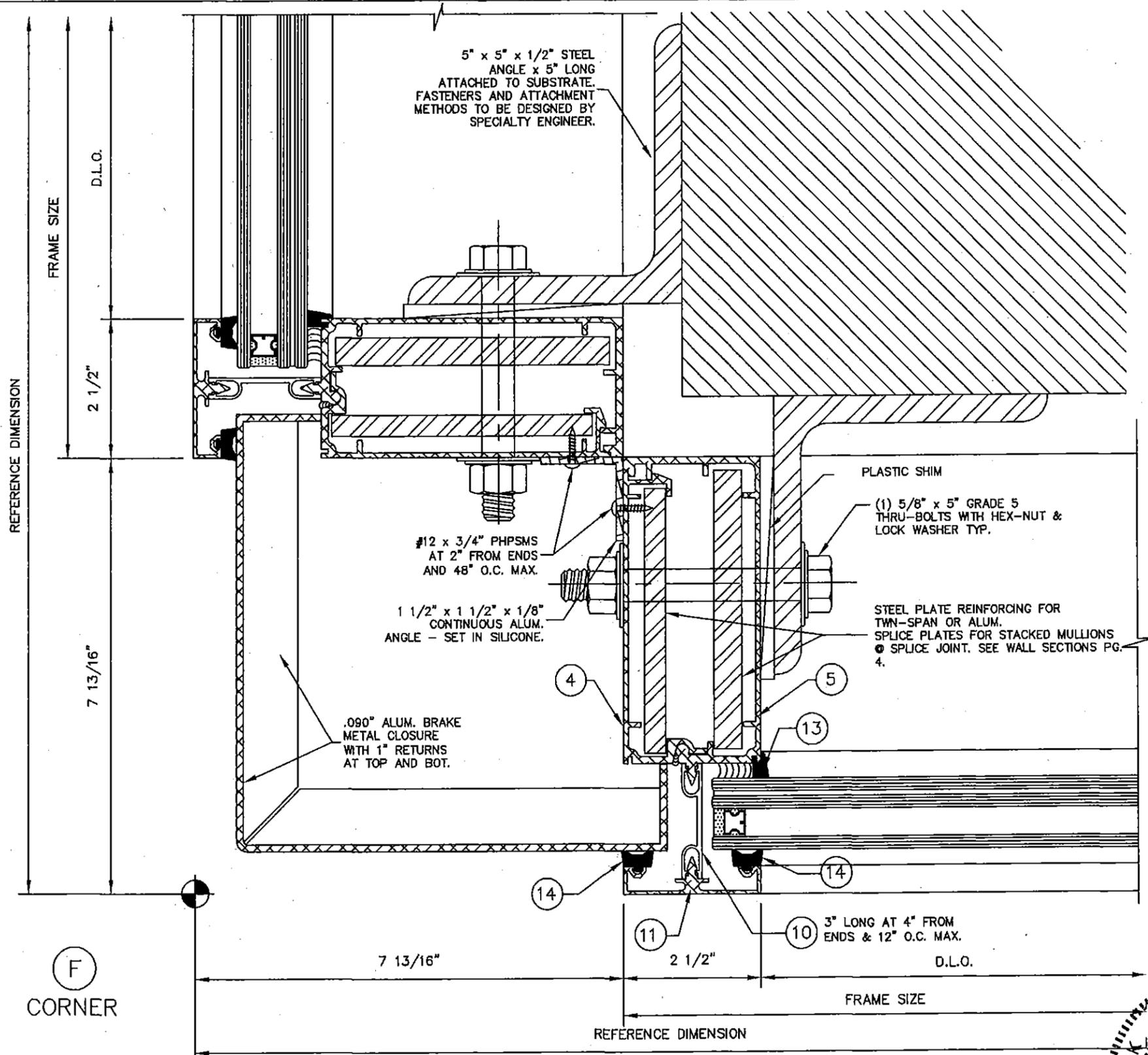
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 13-1203-12 Expiration Date Oct 10, 2016 By Manuel Perez Miami Dade Product Control

| | | | | | | |
|--|-------------------|------------------------------------|--|--------|---------|-------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | EXTRUSION NO. AND LOCATION: N/A | | REV. # | DATE | DESCRIPTION |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | | | 1 | 6/13/14 | COMMENTS |
| SHT. 6 OF 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | | |

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FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634



PRODUCT REVISED as complying with the Florida Building Code Acceptance No 13-103J2 Expiration Date Oct 10, 2016

By *Manuel Perez*
Miami Trade Product Control



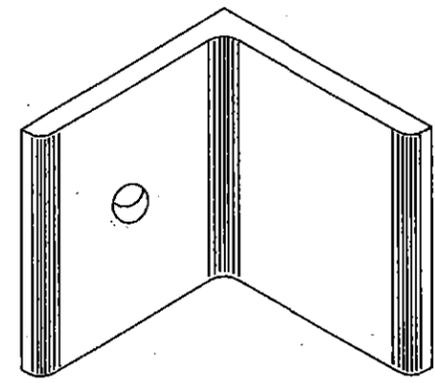
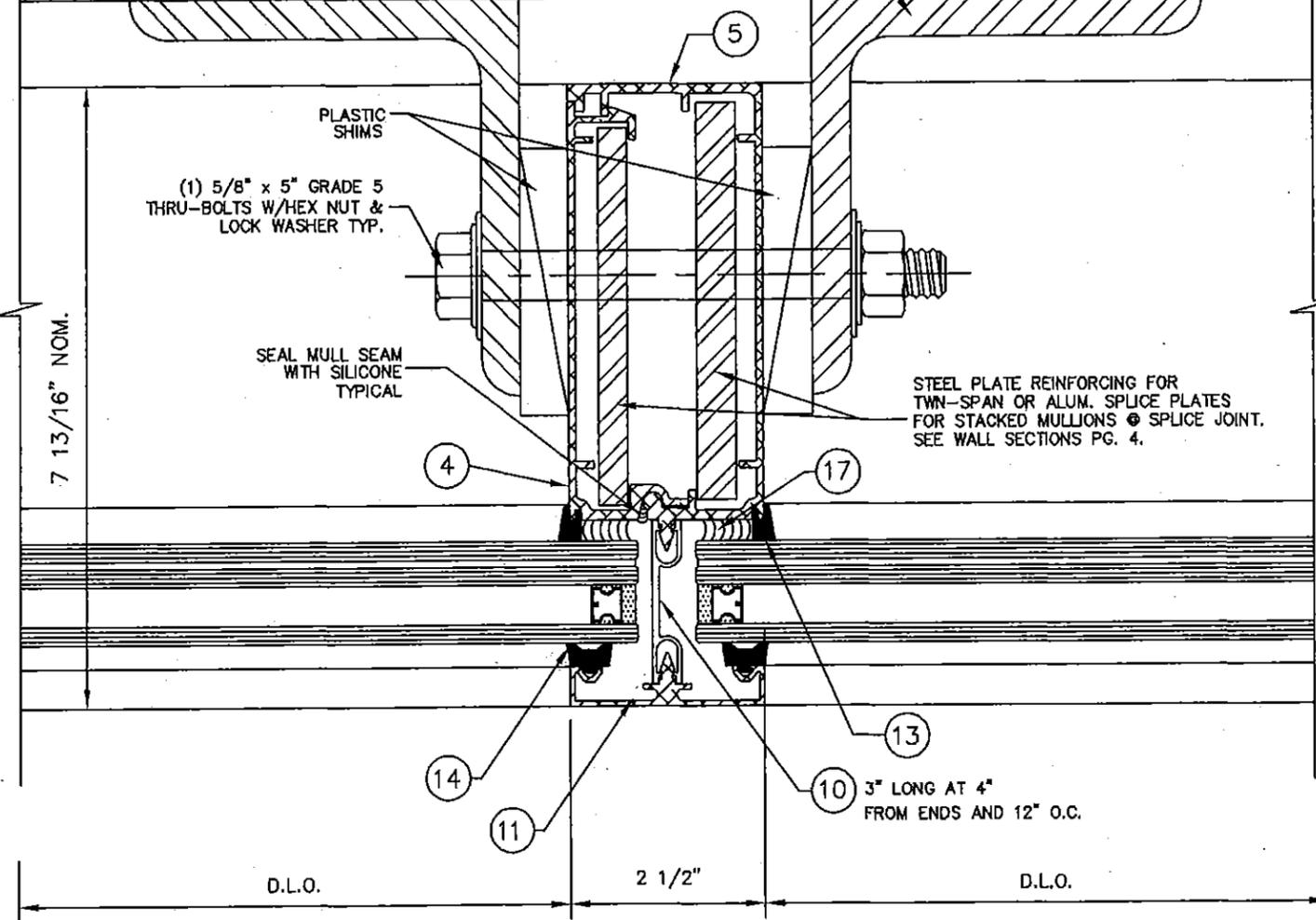
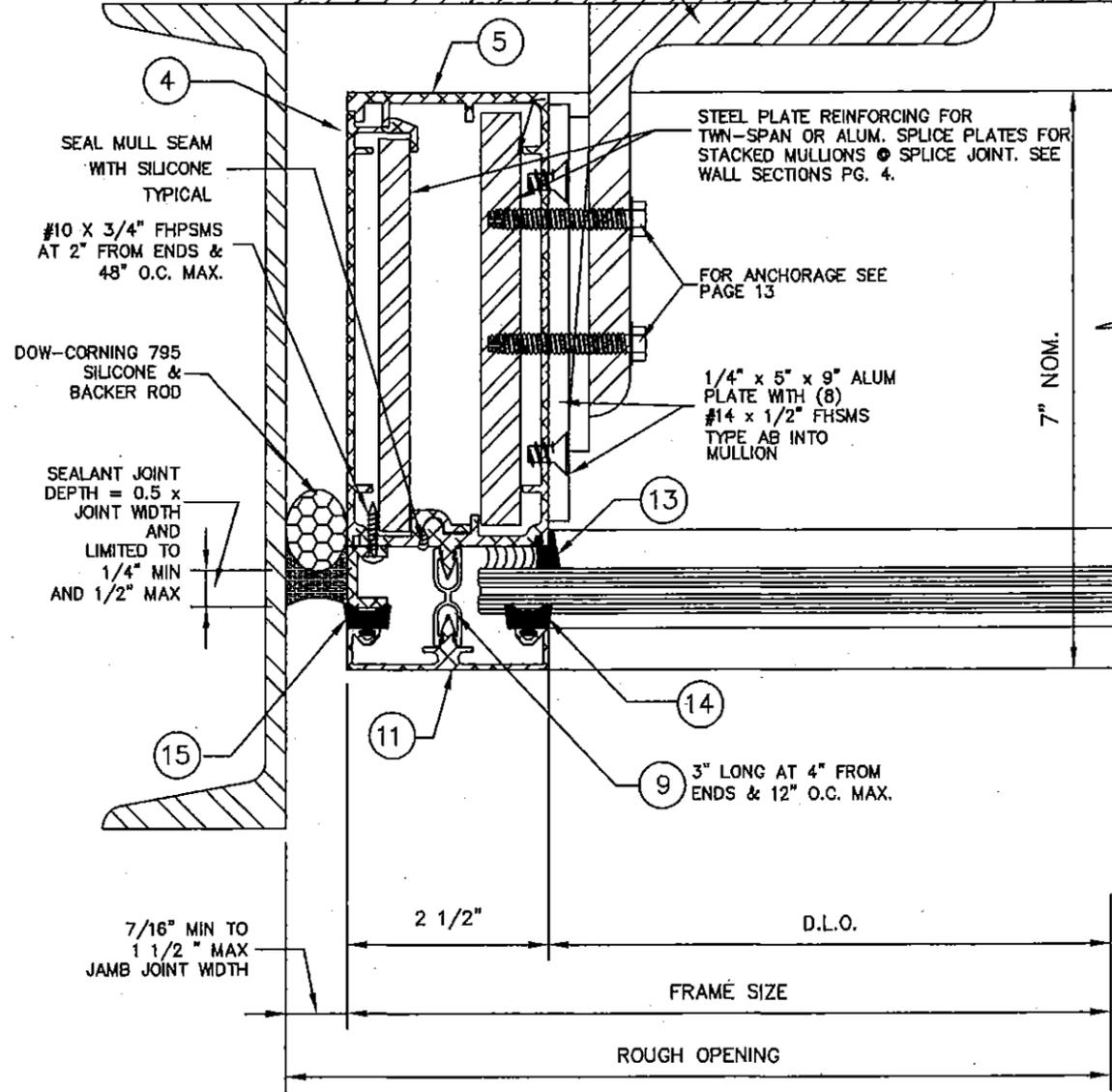
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| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # | DATE | DESCRIPTION |
| SHT. 8 of 15 | SCALE: N.T.S. | DATE: 11/12/13 | 1 | 6/13/14 | COMMENTS |

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Aluminum & Glass Products, Inc.
11500 MIRAMAR PKWY, SUITE 300 MIRAMAR, FL 33025
PHONE: (954) 764-8900 FAX: (954) 764-6901

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STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634

5" x 5" x 1/2" STEEL ANGLE x 5" LONG ATTACHED TO SUBSTRATE. FASTENERS AND ATTACHMENT METHODS TO BE DESIGNED BY SPECIALTY ENGINEER.

5" x 5" x 1/2" STEEL ANGLE x 5" LONG ATTACHED TO SUBSTRATE. FASTENERS AND ATTACHMENT METHODS TO BE DESIGNED BY SPECIALTY ENGINEER.



STEEL ANCHOR CLIP ISOMETRIC VIEW

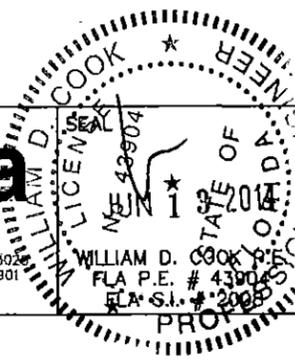
(H) MULLION

(G) JAMB

JAMB SEALANT NOTES:
 PERIMETER SEALANT OPTIONS:
 DOW-CORNING 795 SILICONE
 ALTERNATE SEALANTS AND JAMB GAPS:
 TO BE APPROVED BY DESIGN PROFESSIONAL OF RECORD AND SEALANT MANUFACTURER

SEALANT NOTES:
 GLAZING BEAD AT FRAME SEALED TO GLASS WITH DOW CORNING 983/995
 FRAME PERIMETER TO STRUCTURE SEALED WITH DOW CORNING 795

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 13-1703-12 Expiration Date Oct. 20, 2016
 By *Manuel Perez*
 Miami Made Product Control

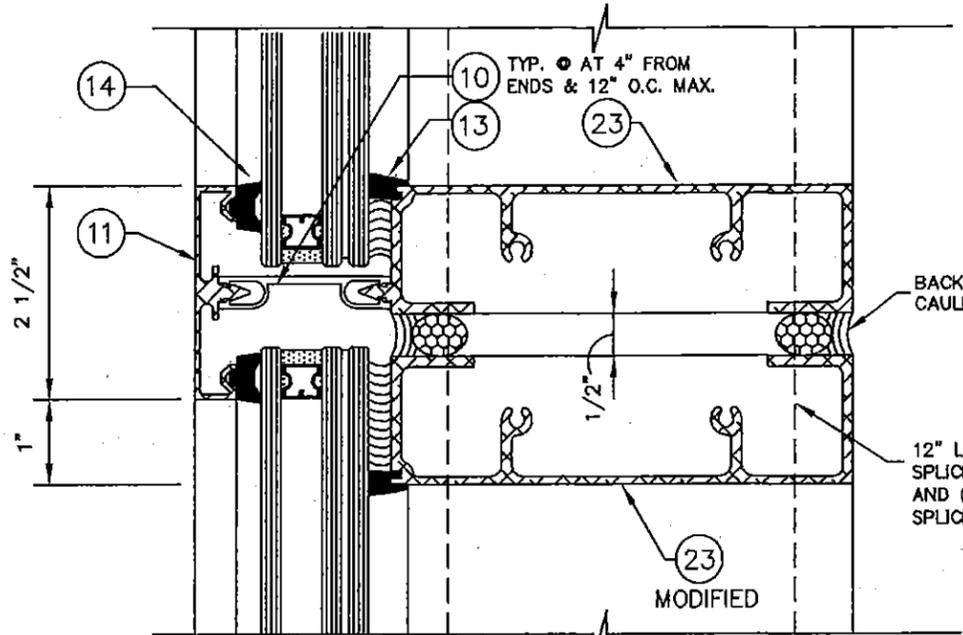


| | | | | | |
|---|----------------|---------------------------------|----------|--------------|----------------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # 1 | DATE 6/13/14 | DESCRIPTION COMMENTS |
| SHT. 9 of 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |

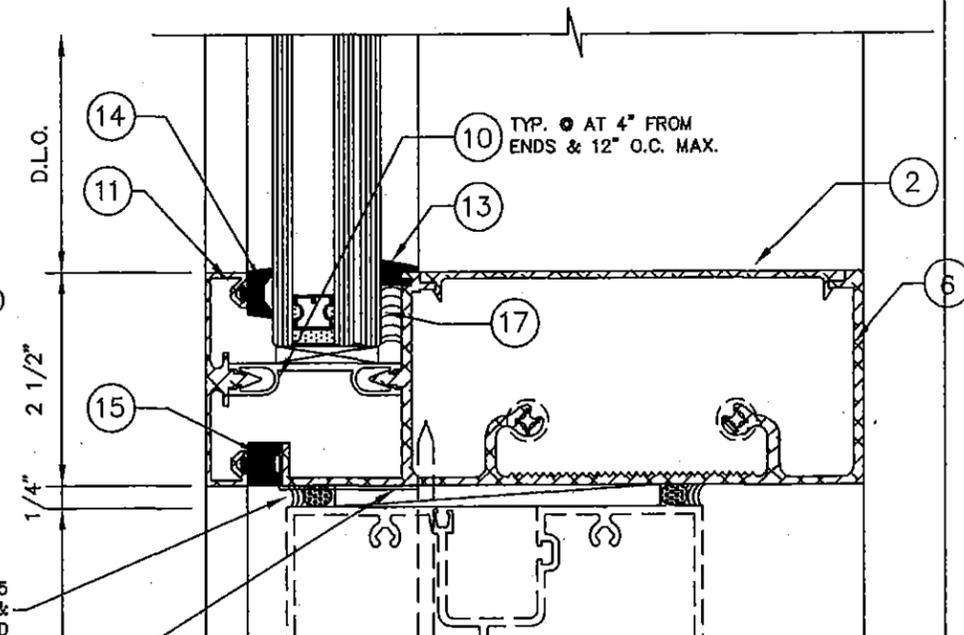
Aldora
 Aluminum & Glass Products, Inc.
 11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL 33025
 PHONE: (954) 784-6900 FAX: (954) 784-6901

BROMLEY COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD AVENUE SUITE 100
 FORT LAUDERDALE, FLORIDA 33309
 TEL: (954) 772-4624 FAX: (954) 772-4634

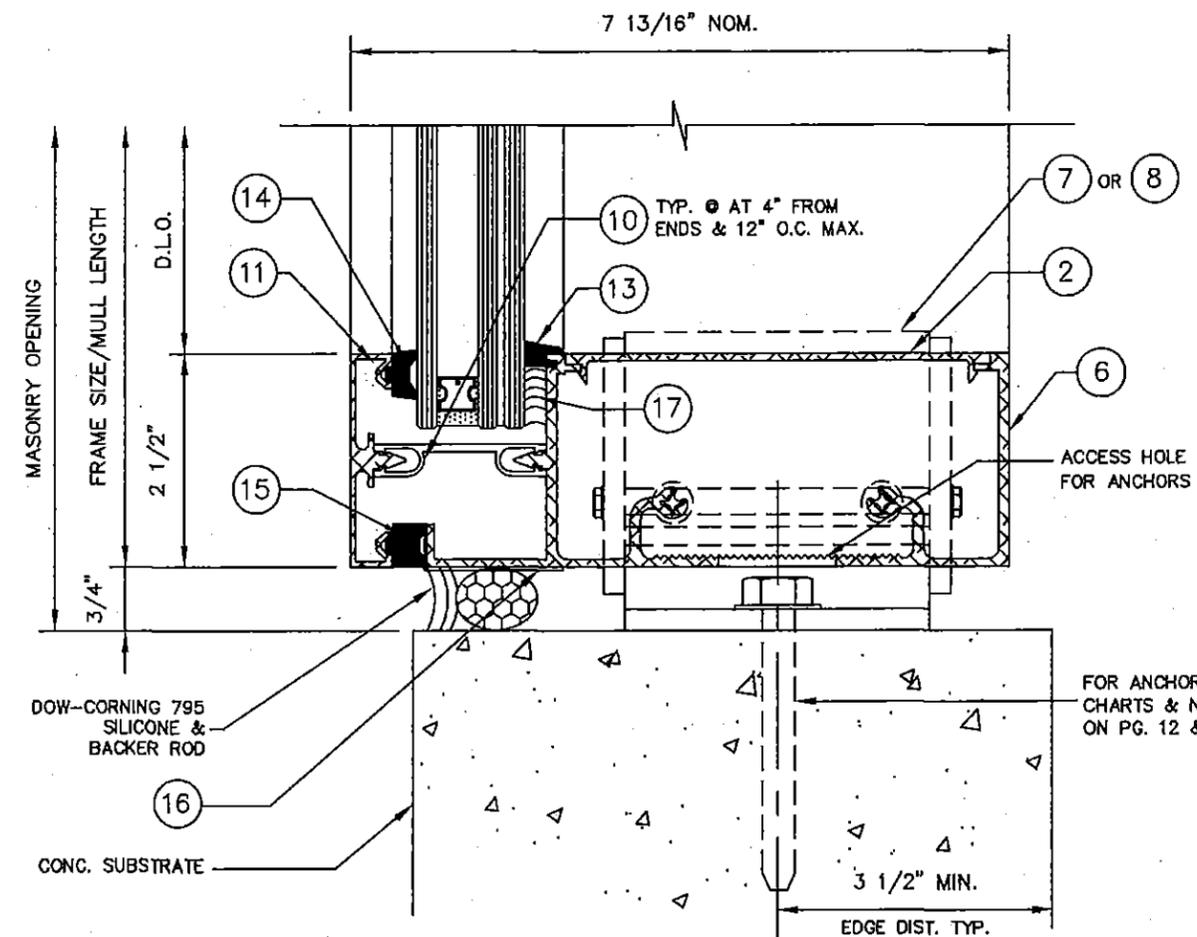
J
HORIZONTAL
AT STACK JT.



L
HORIZONTAL
AT DOOR HEAD



K
SILL



DOW-CORNING 795
SILICONE &
BACKER ROD

IMPACT RESISTANT
STOREFRONT DOOR
SEE SEPERATE N.O.A.

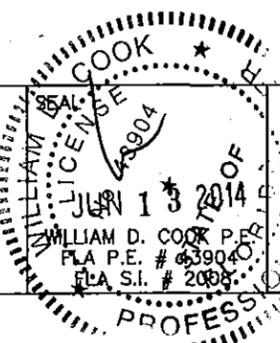
SEALANT NOTES:
GLAZING BEAD AT FRAME SEALED
TO GLASS WITH DOW CORNING
983/995
FRAME PERIMETER TO STRUCTURE
SEALED WITH DOW CORNING 795

FOR ANCHORAGE SEE
CHARTS & NOTES
ON PG. 12 & 13

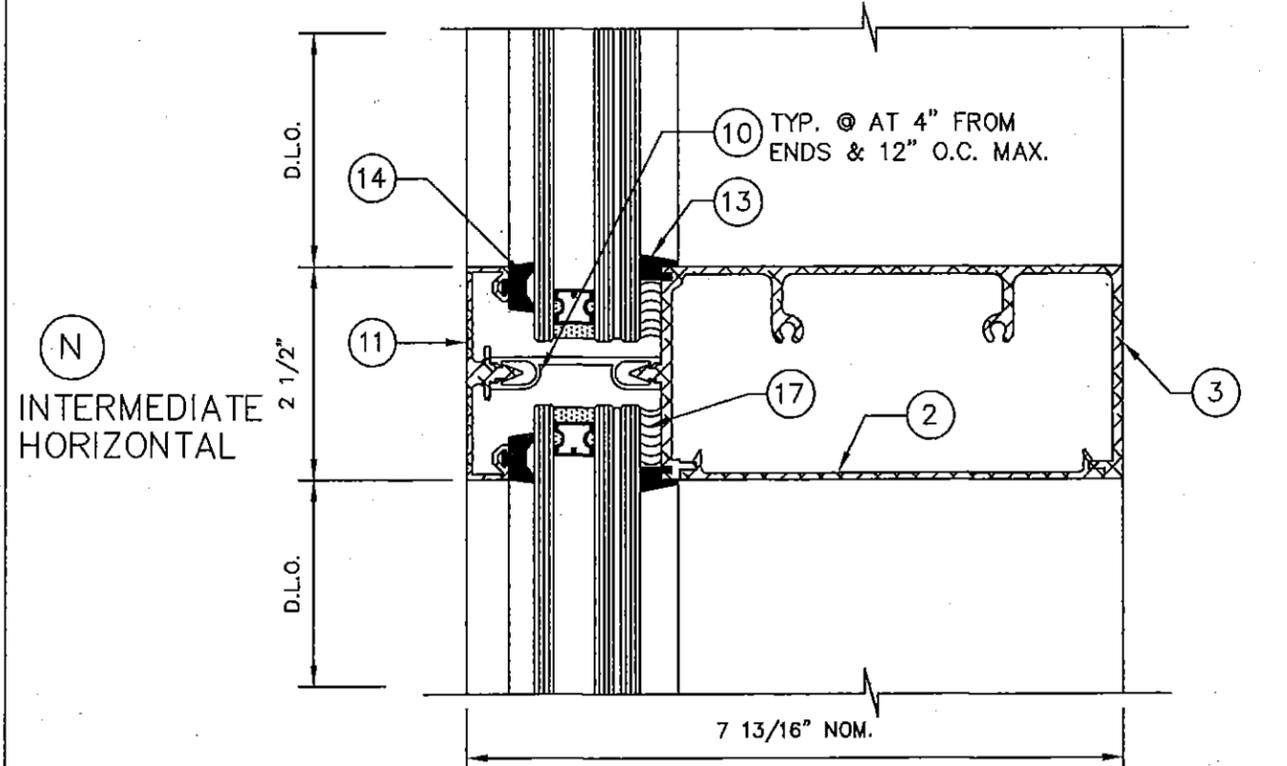
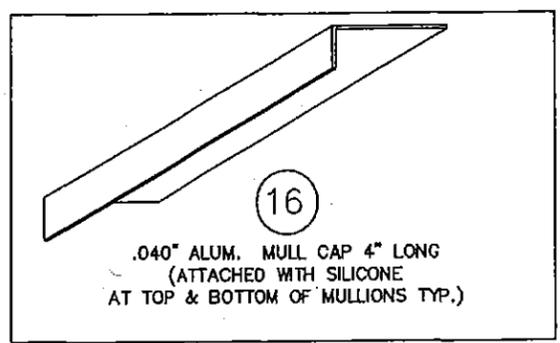
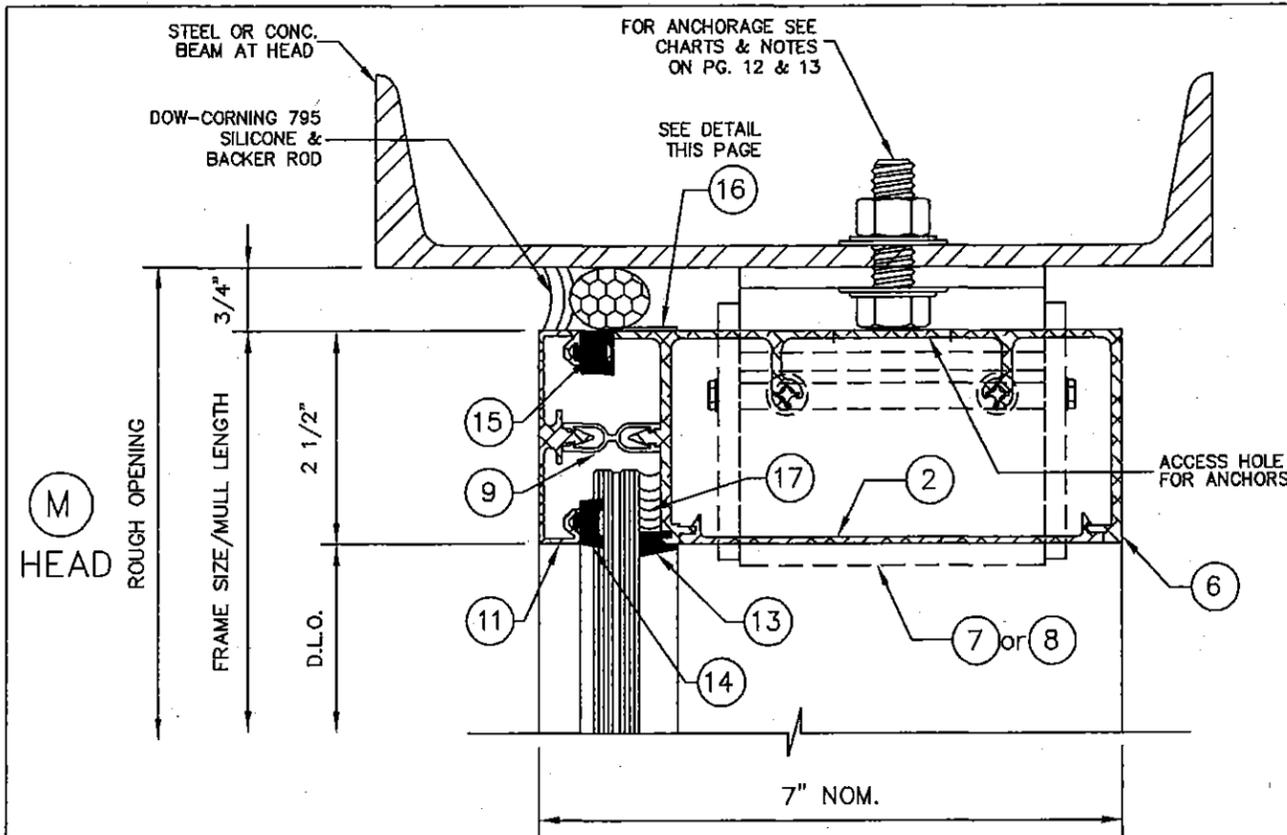
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-1203.12
Expiration Date 02.20.2016
By Manuel Perez
Miami Dade Product Control

| | | | | | |
|--|-------------------|------------------------------------|-------------|-----------------|-------------------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # 1 | DATE 6/13/14 | DESCRIPTION COMMENTS |
| SHT. 10 OF 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |

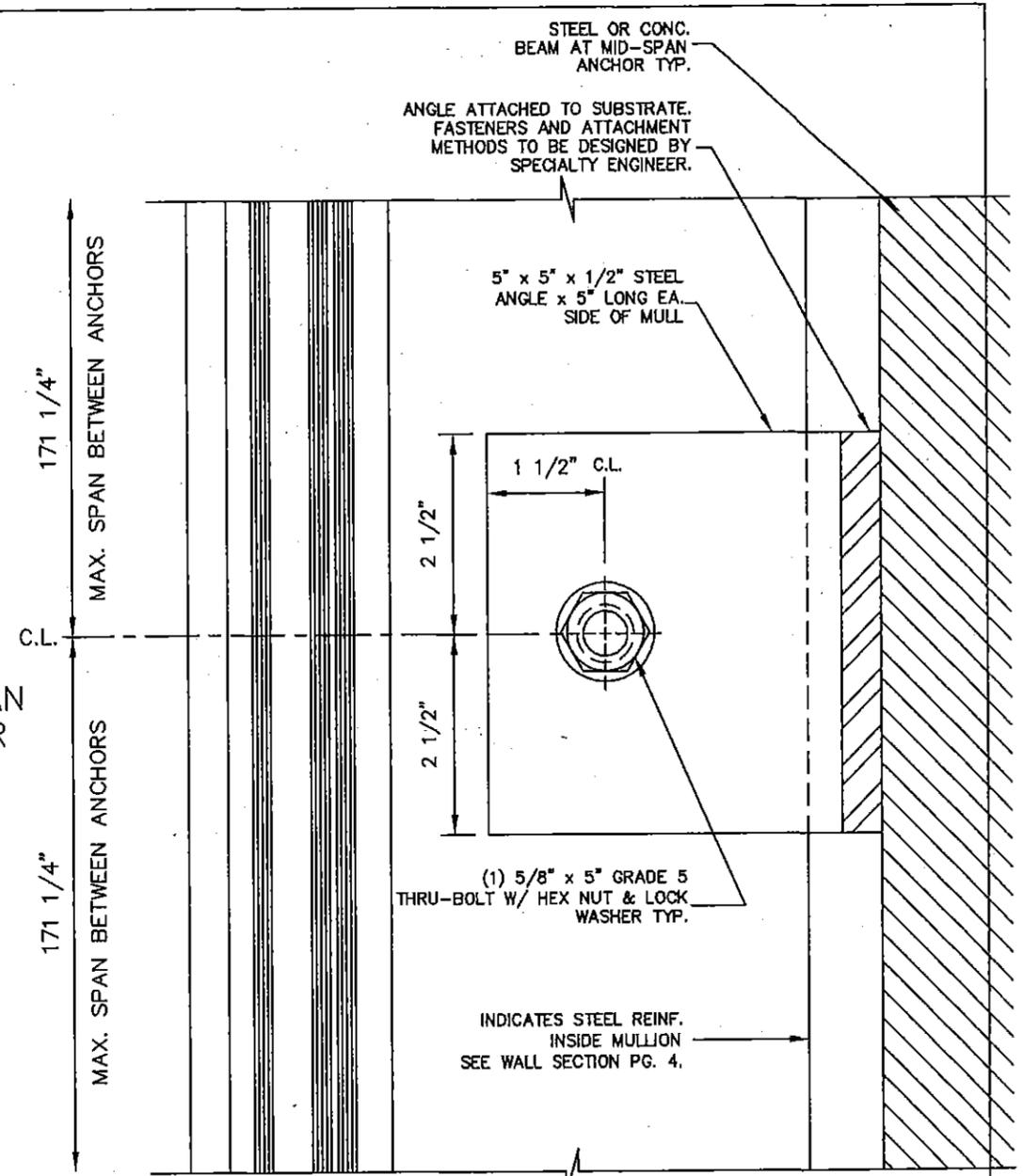
Aldora
Aluminum & Glass
Products, Inc.
11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL. 33025
PHONE: (954) 784-8800 FAX: (954) 784-6901



BROMLEY COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33308
TEL: (954) 772-4624 FAX: (954) 772-4634



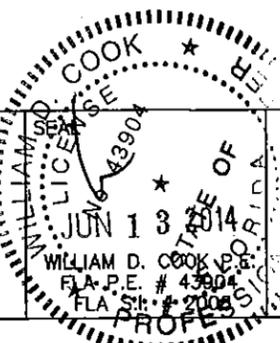
(P) MID-SPAN ANCHOR



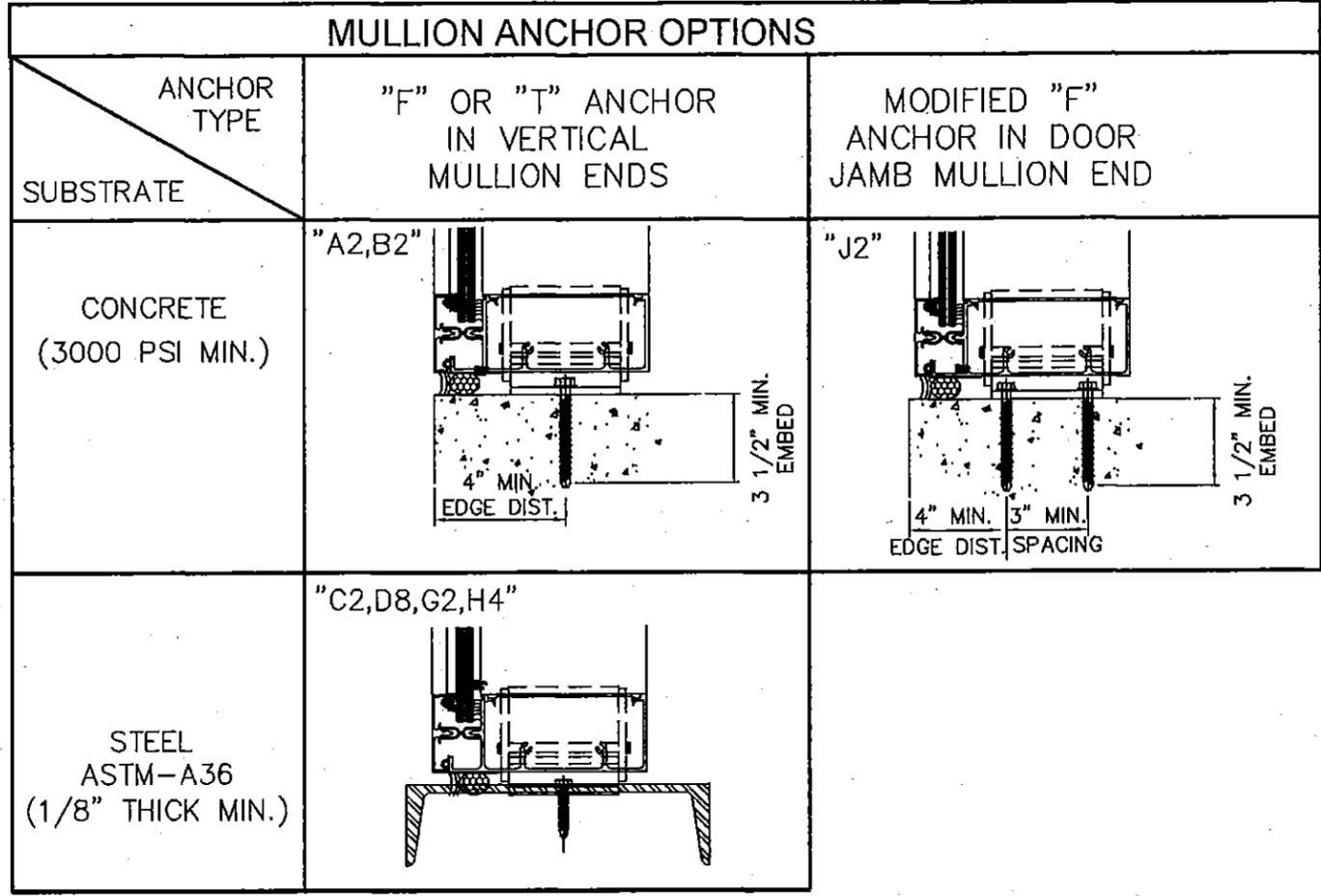
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 13-1703.12
 Expiration Date 05.20.2016
 By *Manuel Perez*
 Miami Dade Product Control

| | | | | | |
|---|-------------------|------------------------------------|-------------|-----------------|-------------------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # 1 | DATE 8/13/14 | DESCRIPTION COMMENTS |
| SHT. 11 of 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |

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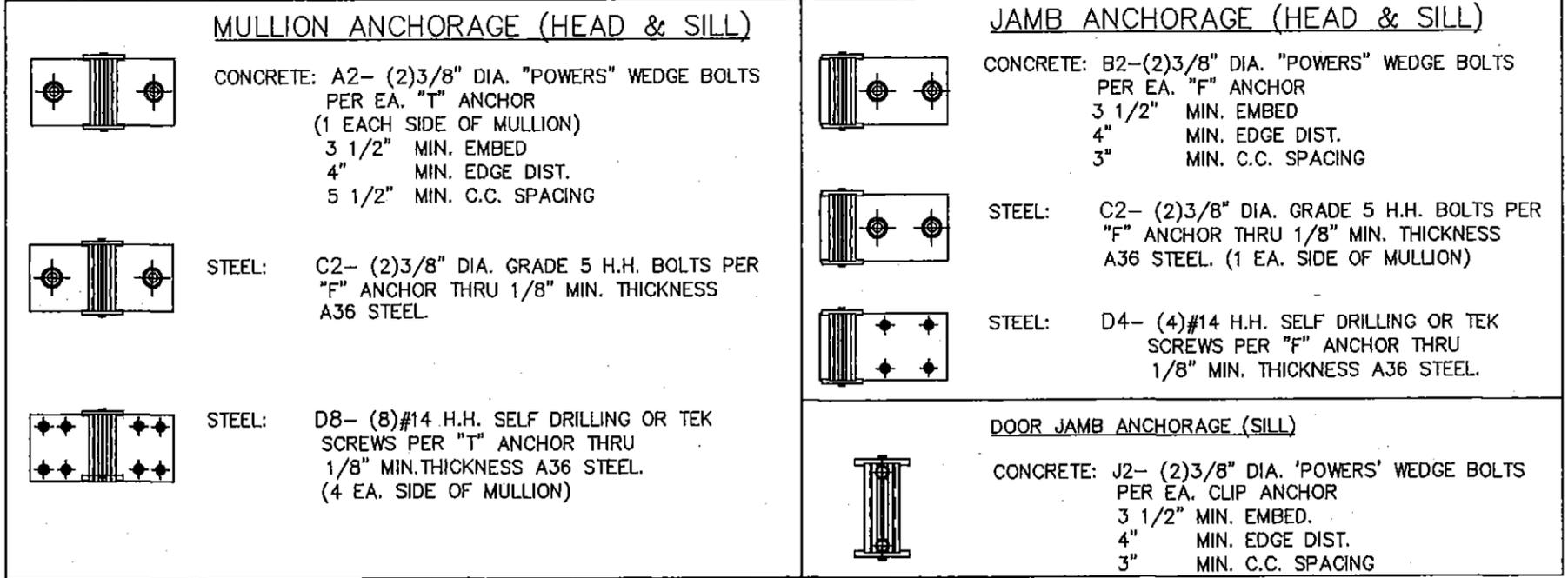
BROMLEY COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD AVENUE SUITE 100
 FORT LAUDERDALE, FLORIDA 33309
 TEL: (954) 772-4624 FAX: (954) 772-4634



FRAME ANCHOR LOAD CHART

| WIDTH (W) | LENGTH (L) | ALLOWABLE WIND LOAD (PSF) | | | | | | | |
|-----------|------------|---------------------------|------|------|---------|-------|---------|------|--|
| | | CONCRETE | | | | METAL | | | |
| | | MULLION | JAMB | JAMB | MULLION | JAMB | MULLION | JAMB | |
| | | A2 | B2 | J2 | C2 | C2 | D8 | D4 | |
| | | SUBSTRATE | | | | | | | |
| 48" | 171 1/4" | 95 | 95 | 95 | 95 | 110 | 95 | 79 | |
| 54" | | 95 | 86 | 86 | | 110 | | 70 | |
| 60" | | 88 | 77 | 77 | | 110 | | 63 | |
| 62" | | 85 | 75 | 75 | | 110 | | 61 | |
| 68" | | 77 | 68 | 68 | | 109 | | 55 | |
| 74" | | 71 | 62 | 62 | | 100 | | 51 | |
| 80" | | 66 | 58 | 58 | | 93 | | 47 | |
| 48" | 159 1/4" | 95 | 95 | 95 | | 110 | | 86 | |
| 54" | | 95 | 94 | 94 | | 110 | | 76 | |
| 60" | | 95 | 84 | 84 | | 110 | | 69 | |
| 62" | | 93 | 82 | 82 | | 110 | | 67 | |
| 68" | | 85 | 74 | 74 | | 110 | | 61 | |
| 74" | | 78 | 68 | 68 | | 108 | | 56 | |
| 80" | | 72 | 63 | 63 | | 100 | | 52 | |
| 48" | 147 1/4" | 95 | 95 | 95 | | 110 | | 93 | |
| 54" | | 95 | 95 | 95 | | 110 | | 83 | |
| 60" | | 95 | 91 | 91 | | 110 | | 74 | |
| 62" | | 95 | 88 | 88 | | 110 | | 72 | |
| 68" | | 91 | 80 | 80 | | 110 | | 66 | |
| 74" | | 84 | 74 | 74 | | 110 | | 60 | |
| 80" | | 78 | 68 | 68 | 95 | 108 | 95 | 56 | |

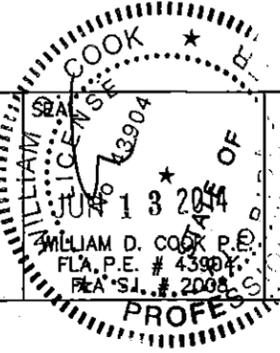
NOTE: INTERMEDIATE THRU-BOLT ANCHORS ARE ADEQUATE FOR FULL LOAD CAPACITY OF SYSTEM.



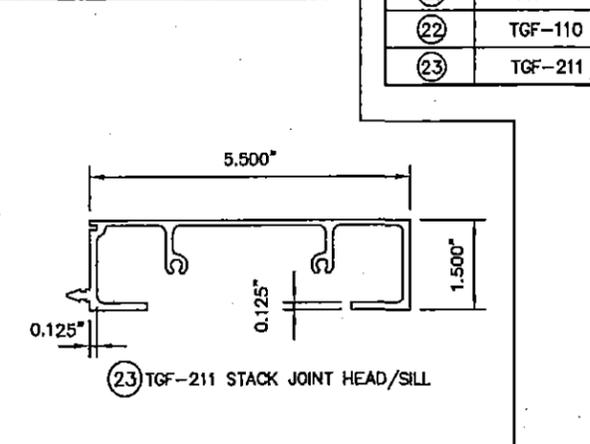
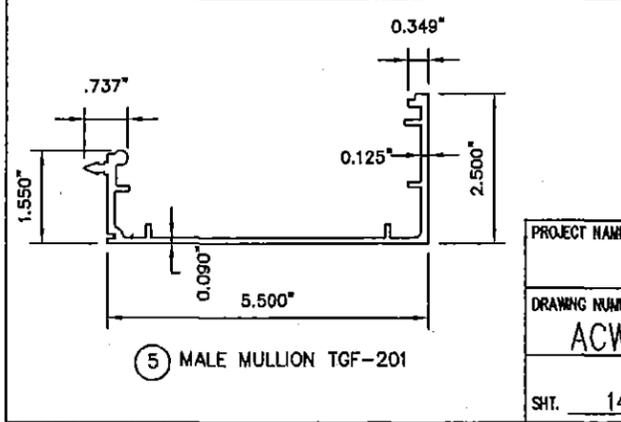
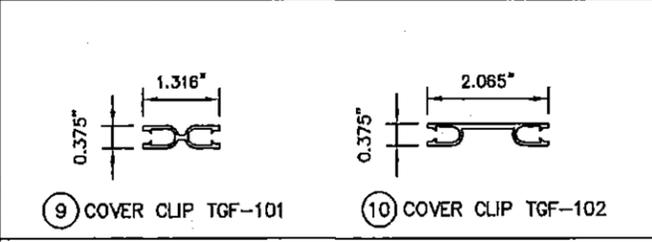
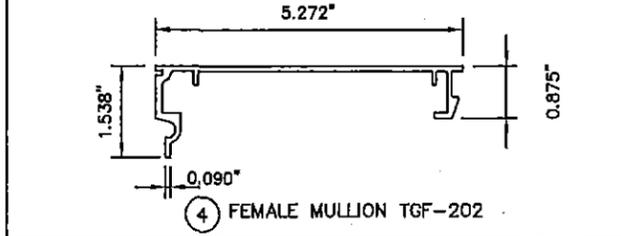
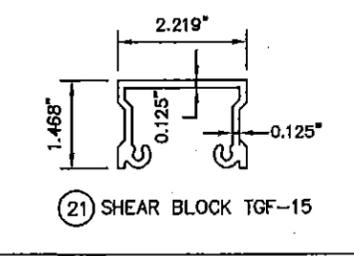
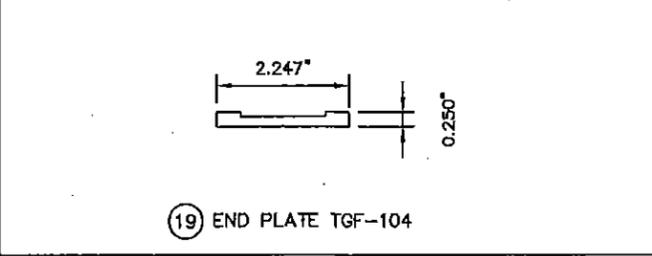
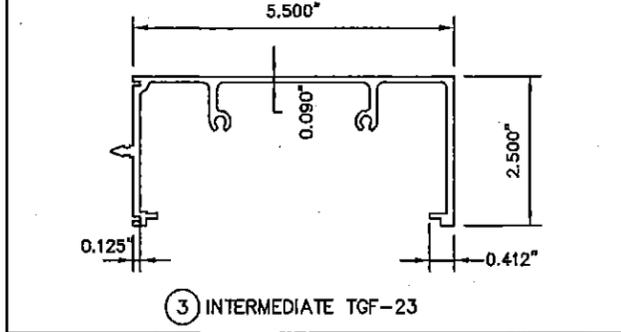
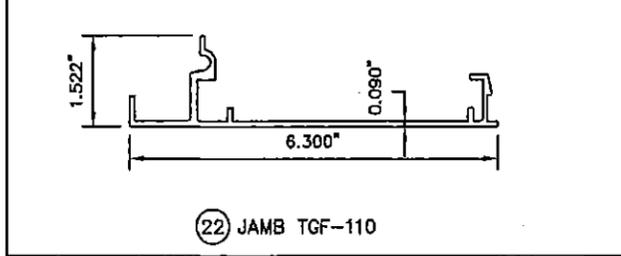
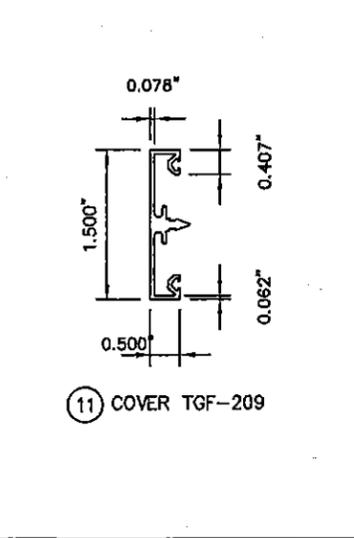
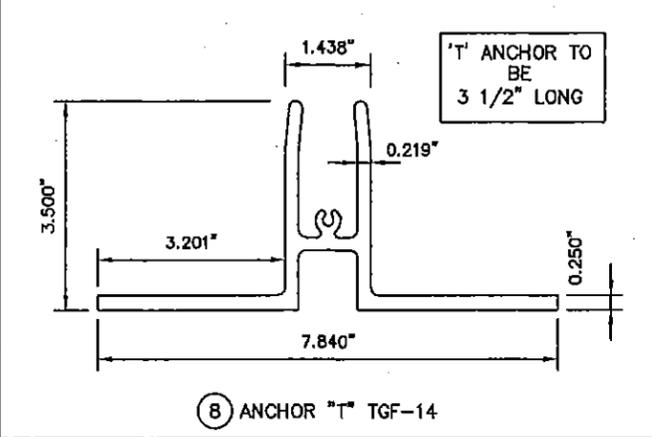
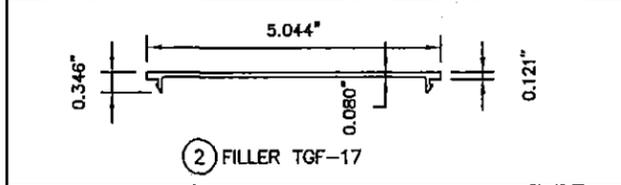
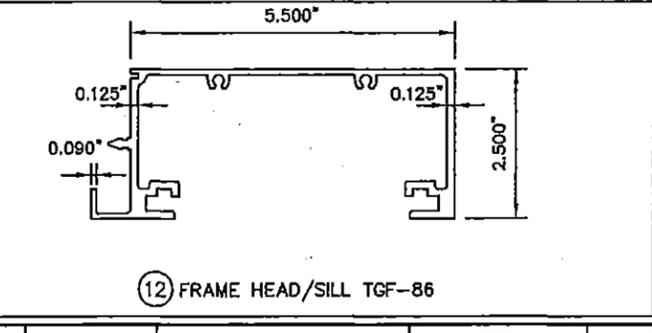
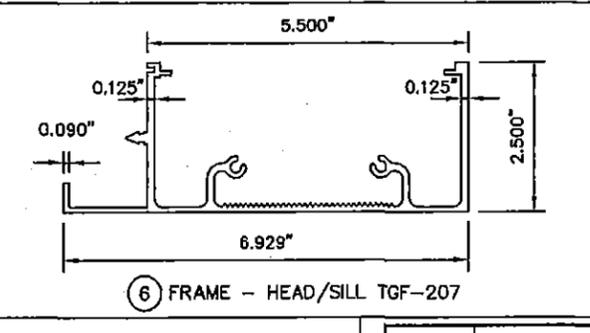
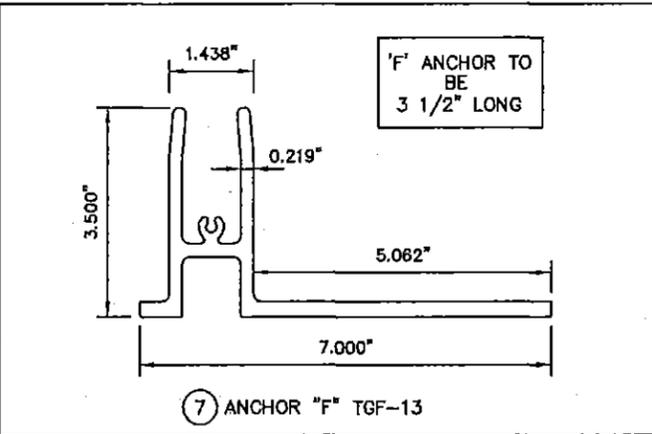
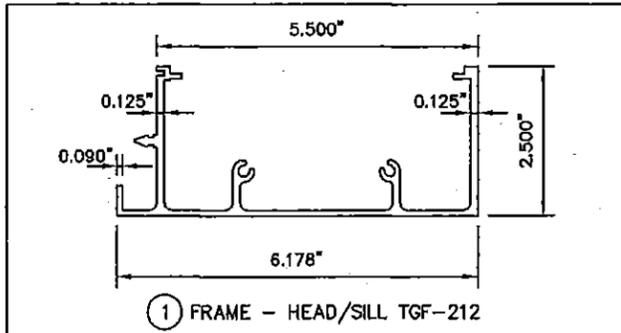
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 13-1203.12
Expiration Date Oct. 20, 2016
By *Manuel Perez*
Miami Dade Product Control

| | | | | | |
|---|----------------|---------------------------------|--------|---------|-------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # | DATE | DESCRIPTION |
| | | | 1 | 6/13/14 | COMMENTS |
| SHT. 12 OF 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |

Aldora
Aluminum & Glass Products, Inc.
11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL. 33025
PHONE: (954) 784-6900 FAX: (954) 784-6601



BROMLEY COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
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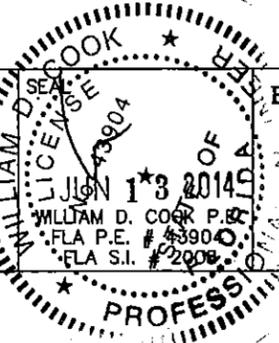


| ITEM # | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANUF./SUPPLIER/REMARKS |
|--------|---------|--------------|----------------------------|---------------|------------------------------|
| ① | TGF-212 | AS REQ'D | FRAME HEAD/SILL | ALUM. 6063-T5 | ALDORA |
| ② | TGF-17 | AS REQ'D | FILLER | ALUM. 6063-T5 | ALDORA |
| ③ | TGF-23 | AS REQ'D | INT. HORIZONTAL | ALUM. 6063-T5 | ALDORA |
| ④ | TGF-202 | AS REQ'D | FEMALE MULLION | ALUM. 6063-T6 | ALDORA |
| ⑤ | TGF-201 | AS REQ'D | MALE MULLION | ALUM. 6063-T6 | ALDORA |
| ⑥ | TGF-207 | AS REQ'D | FRAME HEAD/SILL | ALUM. 6063-T5 | ALDORA |
| ⑦ | TGF-13 | 1/JAMB | "F" ANCHOR AT JAMBS | ALUM. 6063-T5 | ALDORA |
| ⑧ | TGF-14 | 1/MULLION | "T" ANCHOR AT MULLIONS | ALUM. 6063-T5 | ALDORA |
| ⑨ | TGF-101 | AS REQ'D | COVER CLIP | ALUM. 6063-T5 | ALDORA |
| ⑩ | TGF-102 | AS REQ'D | COVER CLIP | ALUM. 6063-T5 | ALDORA |
| ⑪ | TGF-209 | AS REQ'D | COVER | ALUM. 6063-T5 | ALDORA |
| ⑫ | TGF-86 | AS REQ'D | FRAME HEAD/SILL/JAMB | ALUM. 6063-T6 | ALDORA |
| ⑬ | TR-5796 | AS REQ'D | BLOW OUT GASKET | VINYL | TREMCO (SILICONE COMPATIBLE) |
| ⑭ | TR-6049 | AS REQ'D | GLAZING GASKET | NEOPRENE | TREMCO |
| ⑮ | TR-6050 | AS REQ'D | GLAZING GASKET | NEOPRENE | TREMCO |
| ⑯ | N/A | 1/ EA. END | MULLION END CAP | .040 ALUM. | ALDORA |
| ⑰ | 983/995 | AS REQ'D | GLAZING COMPOUND | SILICONE | DOW-CORNING |
| ⑱ | N/A | | | | |
| ⑲ | TGF-104 | 2/"F" OR "T" | END PLATE | ALUM. 6063-T5 | ALDORA |
| ⑳ | - | AS REQ'D | 1/2" X 1 1/2" X 1/2" CHAN. | ALUM. 6063-T5 | ALDORA (1/8" WALL) |
| ㉑ | TGF-15 | AS REQ'D | SHEAR BLOCK | ALUM. 6063-T5 | ALDORA |
| ㉒ | TGF-110 | AS REQ'D | JAMB MEMBER | ALUM. 6063-T6 | ALDORA |
| ㉓ | TGF-211 | AS REQ'D | STACK JT. HEAD/SILL | ALUM. 6063-T6 | ALDORA |

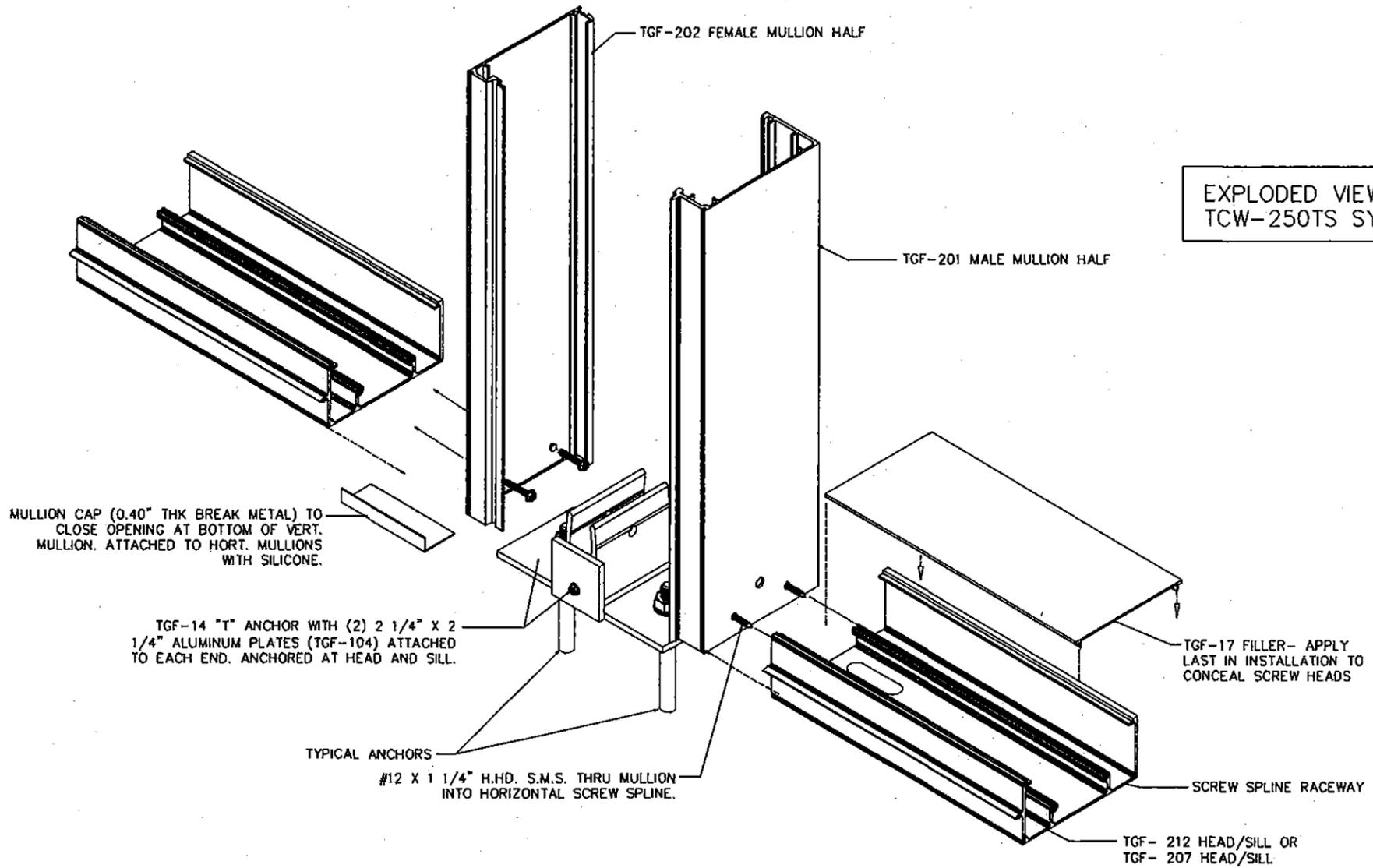
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 13-1203.12
 Expiration Date 05.20.2016
 By *Wmuel Perez*
 Miami Dade Product Control

| | | | | | |
|---|-------------------|------------------------------------|-------------|-----------------|-------------------------|
| PROJECT NAME: TCW-250TS LMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.LMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # 1 | DATE 6/13/14 | DESCRIPTION COMMENTS |
| SHT. 14 OF 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |

Aldora
 Aluminum & Glass
 Products, Inc.
 11500 MIRAMAR PKWY, SUITE 300 MIRAMAR, FL 33027
 PHONE: (954) 784-6900 FAX: (954) 784-6901



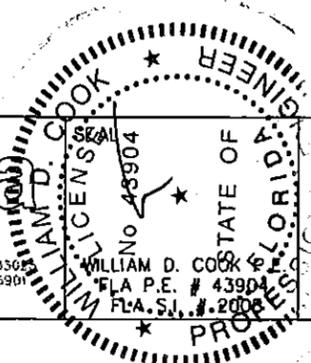
BROMLEY COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD AVENUE SUITE 100
 FORT LAUDERDALE, FLORIDA 33309
 TEL: (954) 772-4624 FAX: (954) 772-4634



PRODUCT REVISED as complying with the Florida Building Code Acceptance No 13-1203.12 Expiration Date 03.20.2016
 By *Manuel Perez*
 Miami Dade Product Control

| | | | | | |
|---|-------------------|------------------------------------|-------------|-----------------|-------------------------|
| PROJECT NAME: TCW-250TS SMI (W/REINFORCING) | | | | | |
| DRAWING NUMBER: ACW-250TS.SMI.R | DRAWN BY: M.G. | EXTRUSION NO. AND LOCATION: N/A | REV. # 1 | DATE 6/13/14 | DESCRIPTION COMMENTS |
| SHT. 15 OF 15 | SCALE: N.T.S. | DATE: 11/12/13 | | | |

Aldora
 Aluminum & Glass Products, Inc.
 11500 MIRAMAR PKWY. SUITE 300 MIRAMAR, FL 33068
 PHONE: (954) 784-6900 FAX: (954) 784-6901



BROMLEY COOK ENGINEERING, INC.
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