MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI–DADE COUNTY, FLORIDA
METRO–DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130–1563
(305) 375–2902 FAX (305) 372–6339
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

SABIC Innovative Plastics U.S., LLC
dba/ Insulgard Security Products
1291 Rickett Road
Brighton, MI 48116

SCOPE:

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

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

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

DESCRIPTION: Series "44/300 DC" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **DCS–01**, titled "Series 44/ 300 Framing System", sheets 1 through 18 of 18, dated 08/06/09 with the latest revision dated 12/04/09, prepared by Triteq, Inc., signed and sealed by Robert L. Weible, P. E., bearing the Miami–Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami–Dade County Product Control Division.

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 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 consists of this page 1 and evidence pages E–1, E–2 and E–3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon 12/30/09

SABIC Innovative Plastics U.S., LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **DCS–01**, titled "Series 44/ 300 Framing System", sheets 1 through 18 of 18, dated 08/06/09 with the latest revision dated 12/04/09, prepared by Triteq, Inc., signed and sealed by Robert L. Weible, 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) Large Missile Impact Test per FBC, TAS 201–94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202–94

   along with marked–up drawings and installation diagram of fixed window, prepared by Architectural Testing, Inc. Test Report No. **ATI 89734.01–109–18**, dated April 22 and December 03, 2009, both signed and sealed by Michael D. Stremmel, P. E.

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with FBC–2007, dated May 22, 2009, prepared by Triteq, Inc., dated December 04, 2009, signed and sealed by Robert L. Weible, P.E.
   Complies with ASTM E1300–98/ 04

D. QUALITY ASSURANCE

1. Miami–Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex IIIG Clear or colored interlayer**" dated 05/04/06, expiring on 05/21/11.
2. Notice of Acceptance No. **08-0305.02** issued to SABIC Innovative Plastics U.S., LLC. for their "**Lexan Sheet Products**" dated 04/24/08, expiring on 07/17/13.
3. DS Brown Part No. **G001, G005 and 40–5007–29** neoprene's exterior glazing gaskets and setting blocks (See below item "G").

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated May 26, 2009, signed and sealed by Robert L. Weible, P. E.

Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 09–0610.07
Expiration Date: December 30, 2014
Approval Date: December 30, 2009

F. STATEMENTS (CONTINUED)

2. Laboratory compliance letter for Test Report No. **ATI 89734.01–109–18**, issued by Architectural Testing, Inc., dated April 22, 2009, signed and sealed by Michael D. Stremmel, P. E.
3. Laboratory addendum letter for Test Report No. **ATI 89734.01–109–18**, issued by Architectural Testing, Inc., dated August 12, 2009, signed and sealed by Michael D. Stremmel, P. E.
4. Laboratory addendum letter for Test Report No. **ATI 89734.01–109–18**, issued by Architectural Testing, Inc., dated November 11, 2009, signed and sealed by Michael D. Stremmel, P. E.

G. OTHERS

1. Test reports on: 1.) ASTM C864 Option II exceptions;
   2.) ASTM D412C Tensile Test 30HRS passed 2350 PSI and 2130PSI;
   3.) ASTM D395B Compression Set 22 HRS with 100°F passed 21 % and 28% $\leq$ 30%;
   4.) ASTM D2240 Shore A Hardness passed 76A $\leq$ 80 ($\pm$5) durometer;
   5.) ASTM D1149 Ozone Resistance 100 HR/ 40°F/ 20% strain/ 100 pphm NO Cracks;
   6.) ASTM D573 Heat Resistance 70 HR/ 100°C passed: Tensile -1% $\leq$ 15%, Elongation -38% $\leq$ 40%, Hardness 8 $\leq$ 10 and 7PSI $\leq$ 10PSI;
   7.) ASTM D624C Tear Test passed 181 pli $\geq$ 100 pli;
   8.) ASTM D746/ C509 Low Temperature Brittleness at - 40°C passed NO Cracks;
   9.) ASTM D925 Migration Staining 7 day's exposure passed None Migration;
   10.) ASTM D1025 Compression Deflection Stress at 25 % 27 Psi $\geq$ 13–24 PSI;
   11.) ASTM C509 Dimensional Stability 70 HRS/ 100°C passed: Length -1% $\leq$ 4% and Width -1% $\leq$ 4%;
   12.) ASTM 1083 Water absorption 24 HRS/ 24°C passed 2.1% < 5.0%;

   along with marked–up drawings and installation diagram of neoprene's wedge, sponge and setting blocks, prepared by Smithers Scientific Services, Inc., Test Report No. **SMITHERS 098–19209R**, dated October 14, 2009, signed by Jeffrey J. Wible and by Bruce D. Lambillotte (A2LA No.'s 0363.01 and 0363.02).

Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 09–0610.07
Expiration Date: December 30, 2014
Approval Date: December 30, 2009

G. OTHERS (CONTINUED)

2. Test reports on: 1) Impact Test per FBC, ANSI Z97.1–04/ 16 CFR 1201,
2) Automotive Test AS–1 per FBC, ANSI Z26.1–04,
3) "Standard Test Method for Rate of Burning and/or Extent & time of Burning of Plastics in a Horizontal Position" per ASTM D635–06,
4) "Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics" per ASTM D 2843–99 (2004) e1,
5) "Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus" per ASTM C1363–05,
6) "Standard Test Method for Determining Ignition Temperature of Plastics" per ASTM D1929 – 96 (2001) e1,
7) "Standard Test Method for Tensile Properties of Plastics" per ASTM D638–08,
8) "Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non–Metallic Materials" per ASTM G155–05a,
9) Bullet Resistance Test per UL 752
along with marked–up drawings and installation diagram of BALULN25, prepared by Piedmont Chemical Industries, LLC., Test Report No. **F–170801 A**, dated 07/14/08, signed by Stephanie Matthews.

Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 09–0610.07
Expiration Date: December 30, 2014
Approval Date: December 30, 2009

44/300 DC FRAMING SYSTEM

MIAMI - DADE COUNTY

INDEX SHEET

SHEET	DESCRIPTION
1	GENERAL NOTES
2	STEEL TUBE SUBSTRATE – ELEVATION
3	STEEL TUBE SUBSTRATE – HEAD AND SILL DETAILS
4	STEEL TUBE SUBSTRATE – JAMB DETAILS
5	ALL SUBSTRATES – MULLION DETAIL, GLAZING ASSEMBLY & CORNER ANGLE DETAIL
6	STEEL STUD SUBSTRATE – ELEVATION
7	STEEL STUD SUBSTRATE – HEAD AND SILL DETAILS
8	STEEL STUD SUBSTRATE – JAMB DETAILS
9	CMU PANEL SUBSTRATE – ELEVATION
10	CMU PANEL SUBSTRATE – HEAD AND SILL DETAILS
11	CMU PANEL SUBSTRATE – JAMB DETAILS
12	PRE-CAST PANEL SUBSTRATE – ELEVATION
13	PRE-CAST PANEL SUBSTRATE – HEAD AND SILL DETAILS
14	PRE-CAST PANEL SUBSTRATE – JAMB DETAILS
15	WOOD STUD SUBSTRATE – ELEVATION
16	WOOD STUD PANEL SUBSTRATE – HEAD AND SILL DETAILS
17	WOOD STUD PANEL SUBSTRATE – JAMB DETAILS
18	EXTRUSION DETAILS

STRUCTURAL ENGINEER

Robert L. Weible, P.E.
Florida License #42875
Expiration Date Feb. 28, 2011
Triteq, Inc.
11132 S. Towne Square, Ste. 104
St. Louis, Mo 63123

STRUCTURAL ENGINEER STAMP

ROBERT L. WEIBLE LICENSE No. 42875 STATE OF FLORIDA PROFESSIONAL ENGINEER

DADE COUNTY STAMP

Approved as complying with the Florida Building Code
Date 12/30/2009
NOA# 07-0610.07
Miami Dade Product Control Division
By

SHEET NUMBER: 1 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS:
NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

SCALE: N/A
DRAWN BY: NRK
DATE: 08.06.09

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

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PARTS LIST

ITEM	NAME	DESCRIPTION	MATERIAL	MANUF.
1	10-1327	FRAME BASE	6105-T5	AACOA
2	10-1328	CHANNEL GLAZING	6105-T5	AACOA
3	10-1329	SNAP CLOSURE	6105-T5	AACOA
4	10-1330	RISER	6105-T5	AACOA
5	10-1550	CORNER L ANGLE 4"x4"x3/16"	6105-T5	AACOA
6		SPACER BLOCK 1"x1"x2" LONG	STYROFOAM	UNIVERSAL PACKAGING
7	G001	SPONGE - NEOPRENE IN COMPLIANCE WITH ASTM C509-08	NEOPRENE DUROMETER 34.3	DS BROWN
8	G005	WEDGE - NEOPRENE IN COMPLIANCE WITH ASTM C864-08	NEOPRENE DUROMETER 80	DS BROWN
9	AF841	ELCO DRIL FLEX 1/4-14X1 1/2 HWH #3 POINT (FOR USE W/ STEEL TUBE & STEEL STUD SUBSTRATES)	SPECIAL ALLOY STEEL	ELCO
		TAPCON CONCRETE ANCHORS W/ ADVANCED THREADFORM TECHNOLOGY, ¼" X 2¼" HWH (FOR USE W/ CMU AND PRE-CAST PANEL SUBSTRATES)	410 S.S.	ITW BUILDEX
		#14 x 2½" SLOTTED ROUND HEAD WOOD SCREW (FOR USE W/ WOOD STUD SUBFRAME)	18-8 S.S.	PARTS INDUSTRIES
10		#12-24x3/8" PHPMS	18-8 S.S.	PARTS INDUSTRIES
11		1/4-20x1 1/2" HEX W/HD SLOT MS	18-8 S.S.	PARTS INDUSTRIES
12		#10-24x5/16" FHPMS U/C	18-8 S.S.	PARTS INDUSTRIES
13		1/4-20 HEAVY HEX NUT	18-8 S.S.	PARTS INDUSTRIES
14		1/4" HEAVY LOCKWASHER	18-8 S.S.	PARTS INDUSTRIES
15		SHIMS	HIPS POLYMER	PARTS INDUSTRIES
16		2"x4"x1/8" STEEL TUBE (BY OTHERS)	1/8" WALL STEEL	BY OTHER
		STEEL STUDS (BY OTHERS)	20 GA GALVANIZED (STRUCTURAL) = 0.346"	BY OTHER
		8" CONCRETE MASONRY UNITS (BY OTHERS)	MEDIUM WEIGHT CMU, ASTM C90 (MIN. CAPACITY OF 1.9 KSI	BY OTHER
		PRE-CAST PANEL 6"D (BY OTHERS)	CONCRETE, 3000 PSI MIN.	BY OTHER
		2"x4" WOOD STUDS (BY OTHERS)	SPRUCE-PINE-FIR OR BETTER. MINIMUM SPECIFIC GRAVITY G=0.42	BY OTHER
17	40-5007-29 MODIFIED	SETTING BLOCKS - NEOPRENE IN COMPLIANCE WITH ASTM C864-08	NEOPRENE DUROMETER 80-90	DS BROWN
18		GLAZING 56 1/2"W x 51 7/8"H	BALULN25	GLOBAL PLASTICS
19		GLAZING 51 7/8"W x 56 1/2"H	BALULN25	GLOBAL PLASTICS
20		5/8" DIA. BACKER ROD	STD CCPE	WILLIAMS PROD.
21		SEALANT	SILICONE	MOMENTIVE PERFORMANCE MATERIALS
22		WEEP BAFFLE 1" x 1/2"	30PPI CHARCOAL Z	UNITED FOAM
23		WEEP BAFFLE 1/2" x 1/2"	30PPI CHARCOAL Z	UNITED FOAM
24		CONT. 1/8" THICK SPACER W/ (2) 1/16" X 1" DBL SIDED TAPE	UHMW SPACER & FOAM TAPE	QUADRANT
25		CONT. 1/4" X 2 1/2" MULLION SPACER	ALUMINUM	AACOA
26		NAMEPLATE	.032" ANODIZED ALUMINUM	DETROIT NAMEPLATE ETCHING CO.

GENERAL NOTES:

1. ALL ALUMINUM EXTRUSIONS SHALL BE EQUAL TO 6105-T5 ALLOY AND TEMPER HAVING A TENSILE STRENGTH -ksi OF ULTIMATE 38 AND YIELD 35.
2. PROJECT FINISH SHALL BE 204-R1 ANODIZED OR 70% KYNAR PAINTED.
3. GLAZING SHALL BE SABIC INNOVATIVE PLASTICS U.S., LLC BALULN25 WITH A MINIMUM 3/4" PERIMETER GLASS BITE TYPICAL.
4. ANCHOR LOCATIONS WILL BE AS SHOWN ON THE ELEVATIONS. ANCHORS SHALL BE PER THE PARTS LIST PER SUBSTRATE BEING USED.
5. ALL ASSEMBLY FASTENERS SHALL BE 18-8 STAINLESS STEEL.
6. ALL ASSEMBLY FASTENER HEADS EXPOSED TO WATER SHALL BE SEALED.
7. ALL WINDOW UNITS SHALL BE MODULAR, FACTORY FABRICATED, ASSEMBLED AND GLAZED. ANY UNITS NEEDING REPLACEMENT SHALL BE REPLACED WITH ANOTHER FACTORY ASSEMBLED AND GLAZED UNIT.
8. FOR CLARITY, HEAD, JAMB AND SILL DETAILS DO NOT SHOW GLAZING ASSEMBLY SCREWS, ONLY ANCHORAGE TO SUBSTRATE. REFER TO DETAIL F FOR GLAZING ASSEMBLY FASTENERS.
9. ALL FRAMING SHALL HAVE MITERED CORNERS WITH EXTRUDED 4" x 4" x 3/16" THICK CORNER SPLINES RECESSED FLUSH. REFER TO DETAIL G.
10. WINDLOAD REQUIREMENTS SHALL BE FOR AN ABSOLUTE MAXIMUM WIND PRESSURE OF POSITIVE & NEGATIVE 70.0 PSF, BASED ON A 30FT MAXIMUM BUILDING HEIGHT, 150 MPH BASIC WIND SPEED, EXPOSURE CATEGORY C. ANYTHING ABOVE THIS RATING CAN USE A MIAMI DADE COUNTY APPROVED SHUTTER SYSTEM.
11. IN ACCORDANCE WITH 2007 FBC SECTIONS 2003 AND 2326, ALL MATERIALS THAT ARE SUPPLIED BY INSULGARD SECURITY PRODUCTS WILL CONFORM TO THE APPLICABLE REQUIREMENTS AS SET FORTH IN ABOVE REFERENCED BUILDING CODE.
12. FOR ALL SCREW CONNECTIONS TO STEEL TUBE OR STEEL STUD SUBSTRATES, A MINIMUM OF THREE (3) THREADS MUST PENETRATE COMPLETELY THROUGH THE SUBSTRATE MATERIAL. FOR ALL OTHER SUBSTRATES, A MINIMUM OF THREE (3) THREADS FOR EMBEDMENT.

STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER 12-30-09	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0610.07 Miami Dade Product Control Division By

SHEET NUMBER: 1 of 18

JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

DESCRIPTION: DUROMETER

REVISIONS: NO.	DATE	DESCRIPTION
1	12.02.09	DUROMETER

LOCATION: ENG/ENG/ALUFAB/44300 DC

SCALE: N/A

DRAWN BY: NRK

DATE: 08.06.09

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

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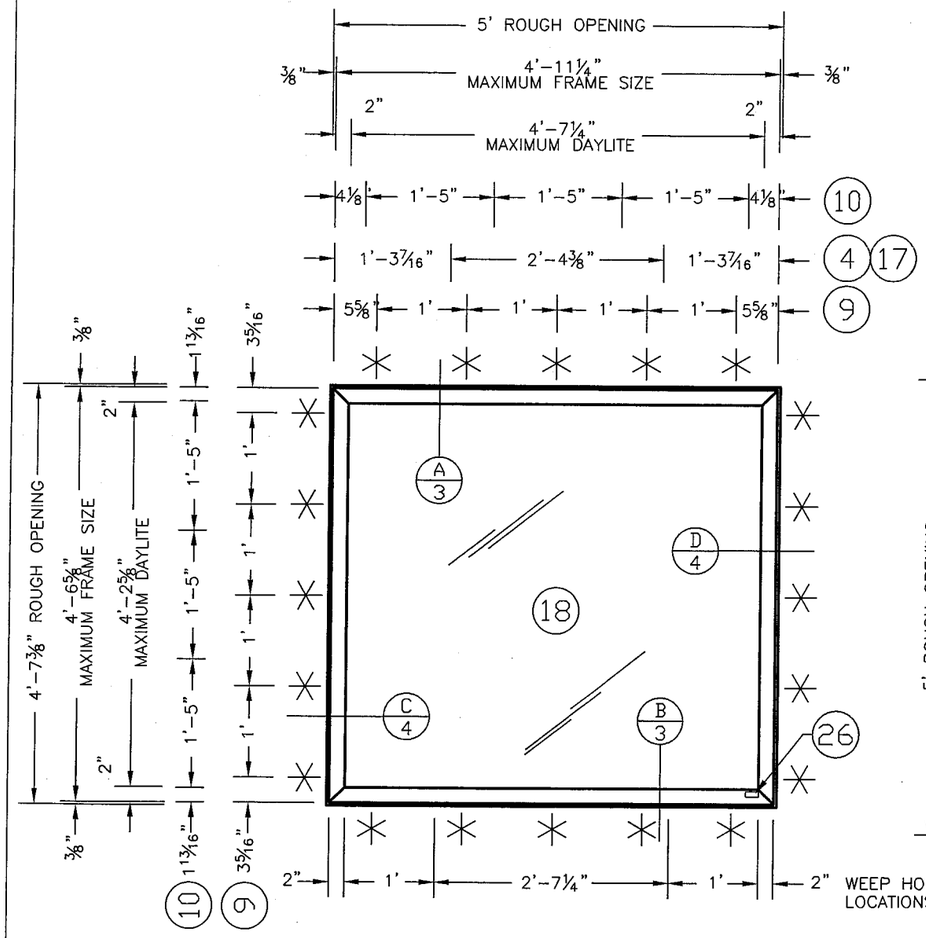
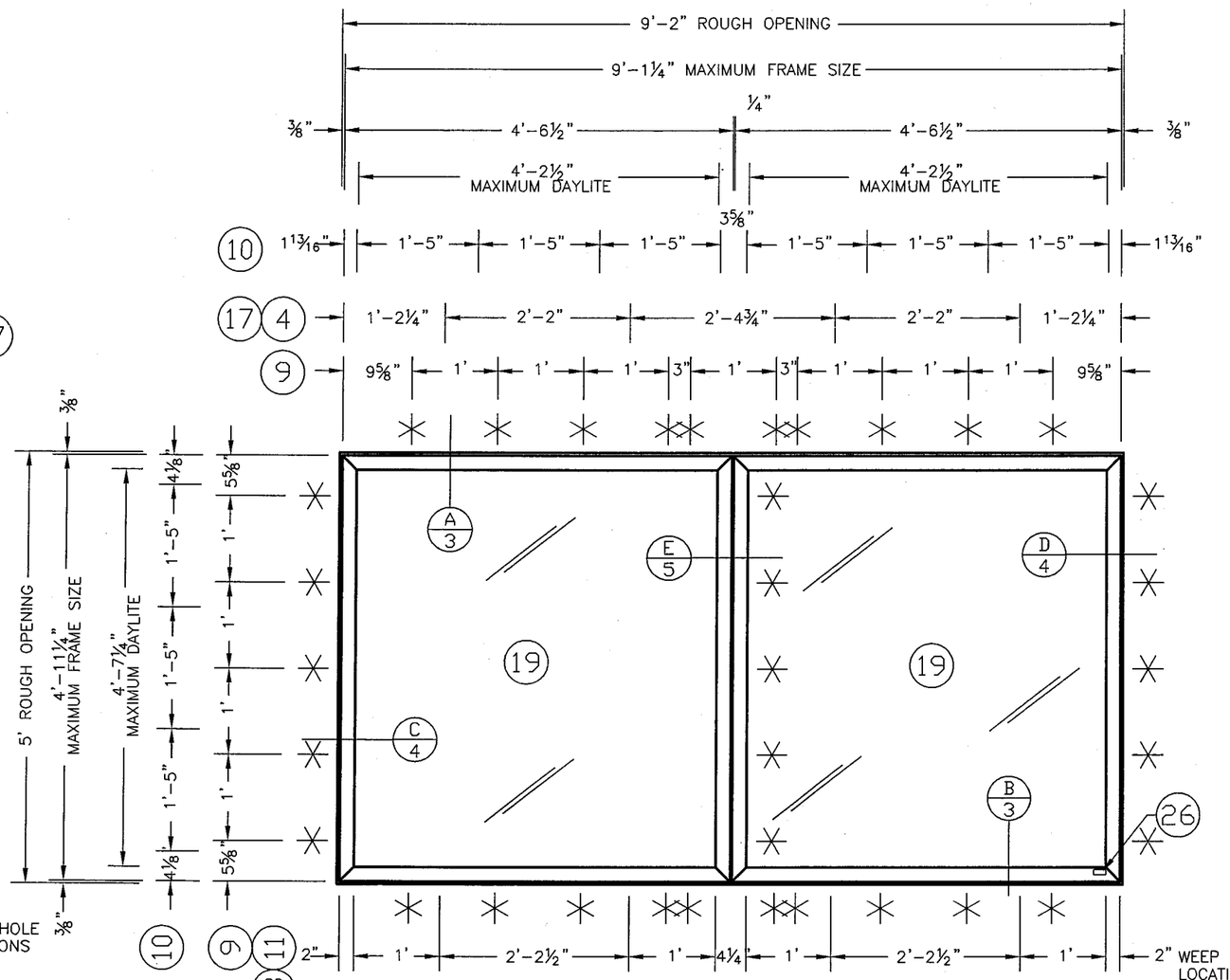


EXTERIOR ELEVATION OF SINGLE UNIT
(STEEL TUBE SUBFRAME)
THREAT SIDE



EXTERIOR ELEVATION OF DOUBLE UNIT
(STEEL TUBE SUBFRAME)
THREAT SIDE

NOTE:
THESE ARE APPROVED MAXIMUM DIMENSIONS AND PRESSURES, FOR ACTUAL WINDOW DIMENSIONS, SEE SPECIFIC SHOP DRAWINGS FOR EACH JOB.

STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0616.07 Miami Dade Product Control Division By

SHEET NUMBER: 2 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS:
NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

SCALE: N/A
DRAWN BY: NRK
DATE: 08.06.09

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard SECURITY PRODUCTS
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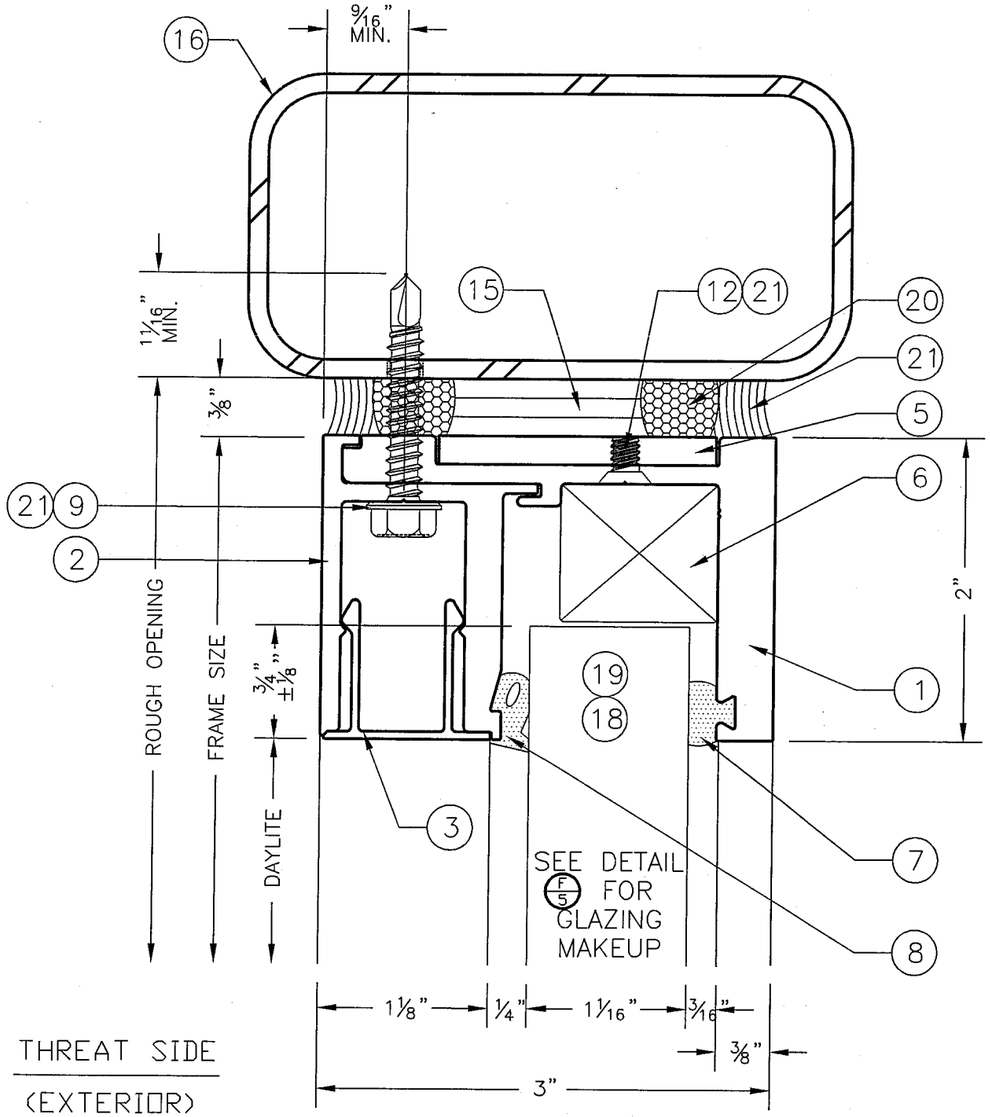
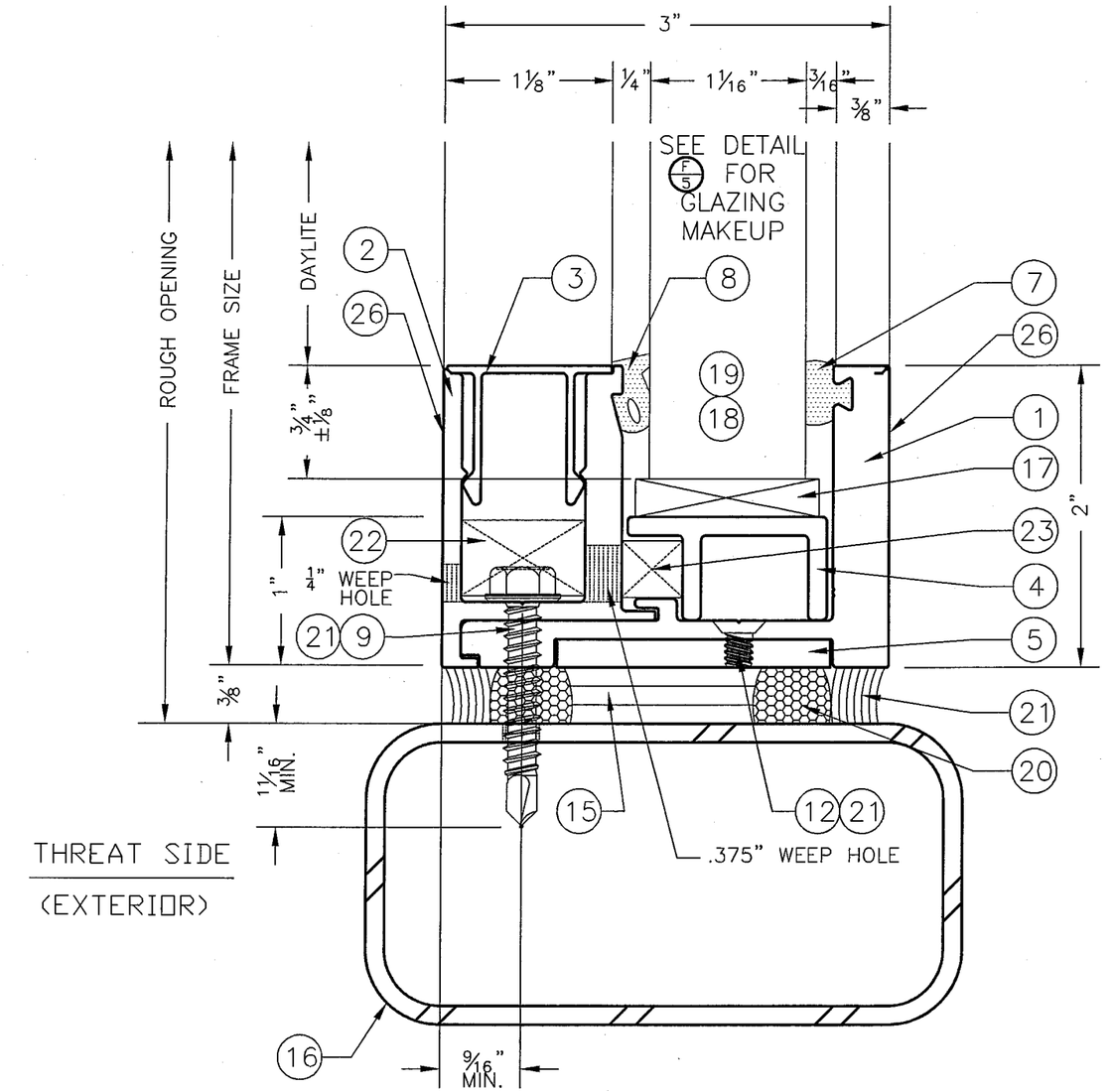


A HEAD



B SILL

NOTES:
FOR ALL METAL SCREW CONNECTIONS, A MINIMUM OF THREE (3) THREADS MUST PENETRATE COMPLETELY THRU THE SUBSTRATE MATERIAL.

STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0210.07 Miami Dade Product Control Division By

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

REVISIONS: NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

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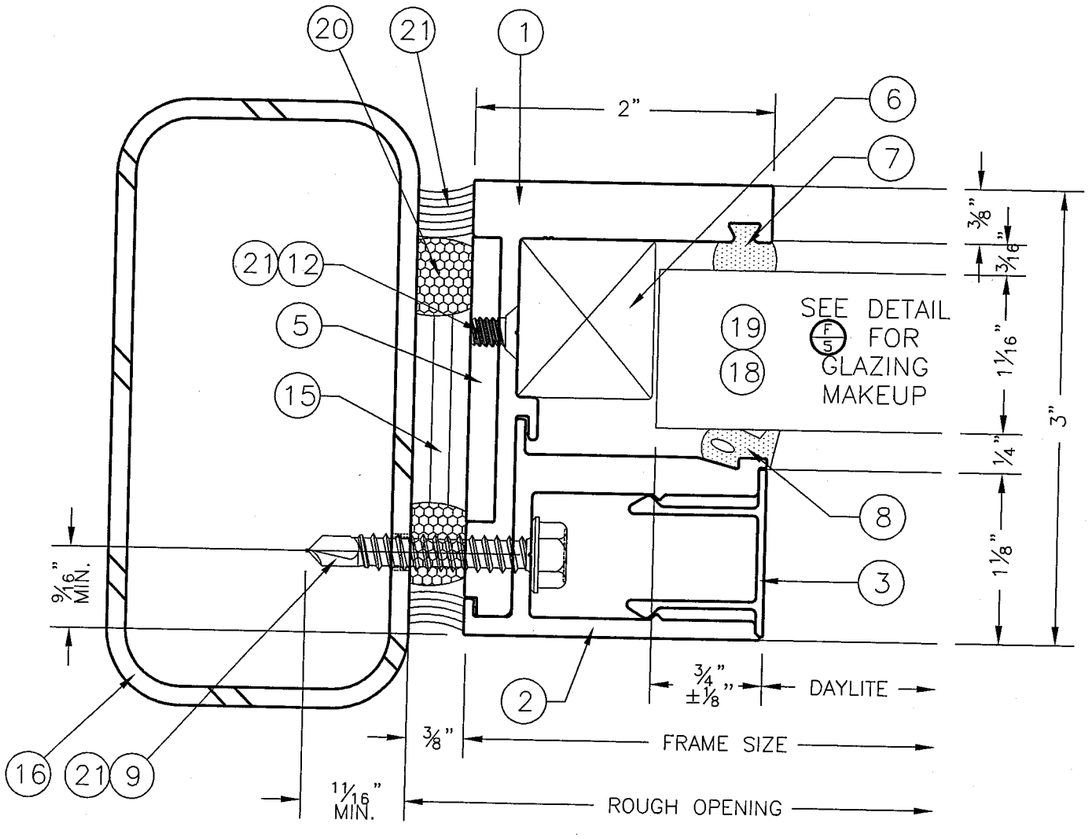
44/300 DC FRAMING SYSTEM

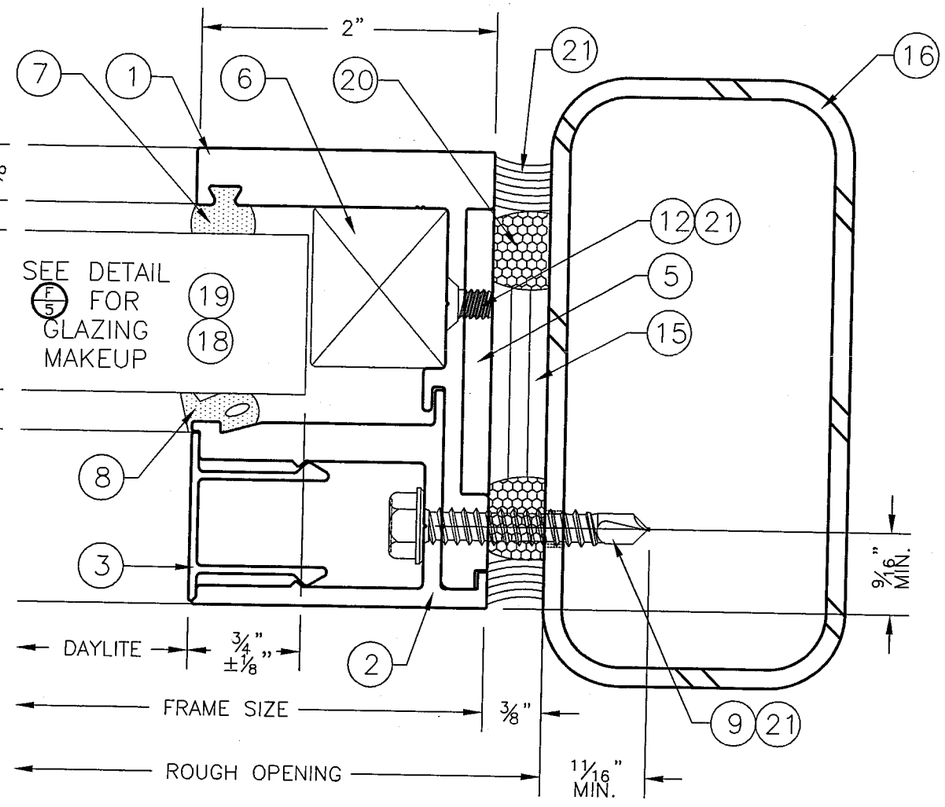
SHEET NUMBER: 3 of 18
JOB NUMBER: DCS-01

NOTES:
FOR ALL METAL SCREW CONNECTIONS, A MINIMUM OF THREE (3) THREADS MUST PENETRATE COMPLETELY THRU THE SUBSTRATE MATERIAL.



THREAT SIDE
(EXTERIOR)

C JAMB



THREAT SIDE
(EXTERIOR)

D JAMB

STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No. 42875 STATE OF FLORIDA PROFESSIONAL ENGINEER 8 Dec 09	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0611.07 Miami Dade Product Control Division By

SHEET NUMBER: 4 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS: NO. DATE DESCRIPTION

LOCATION: ENG/ALUFAB/44300 DC

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

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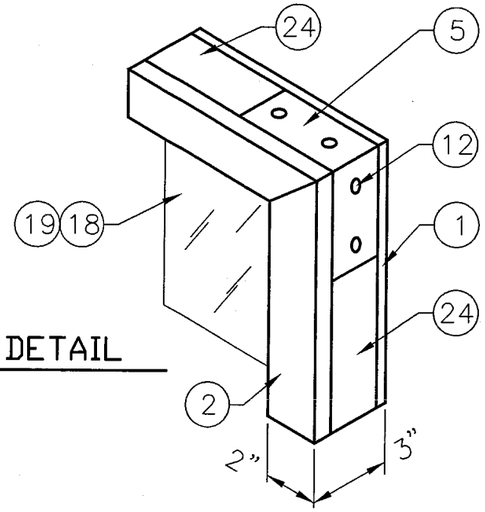
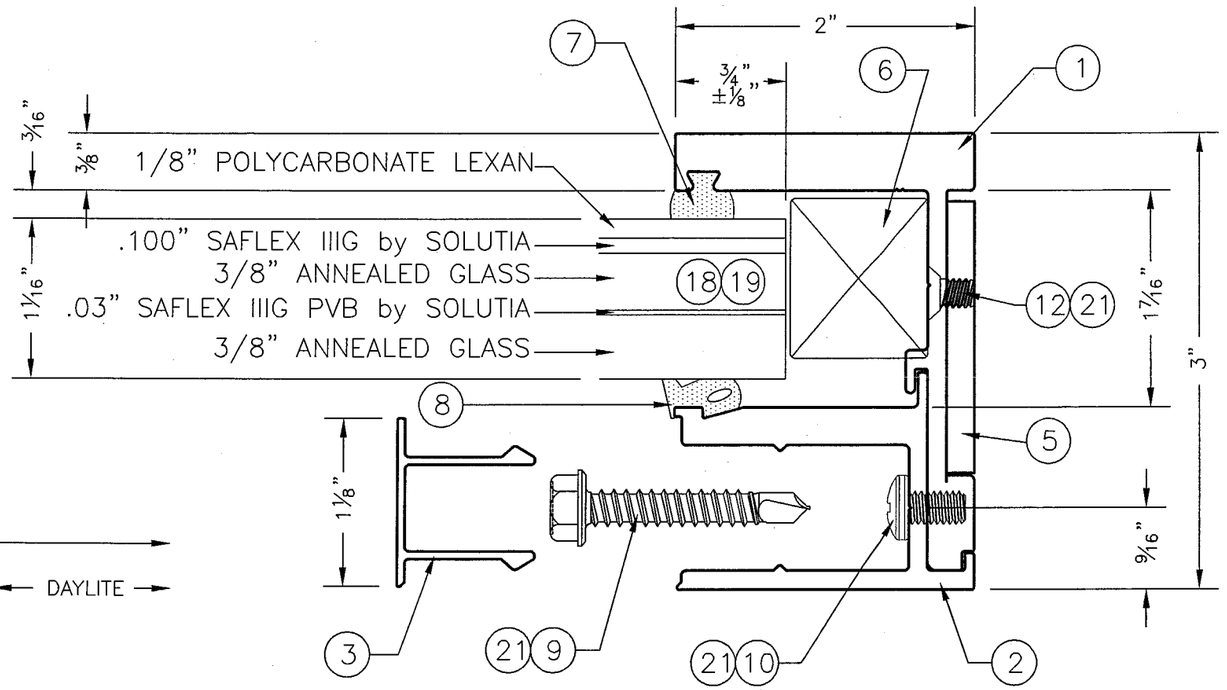
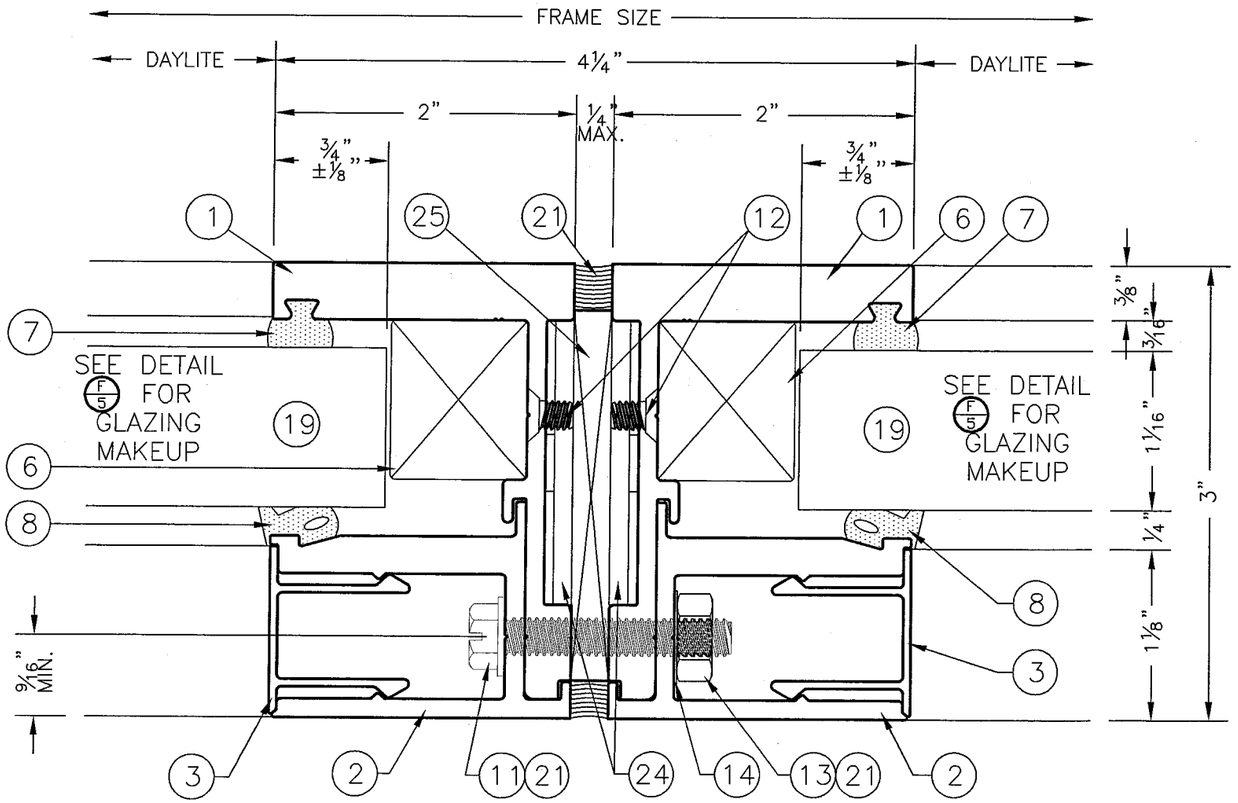


G CORNER ANGLE DETAIL



THREAT SIDE
(EXTERIOR)

F SHOP GLAZING ASSEMBLY ATTACHMENT



THREAT SIDE
(EXTERIOR)

E MULLION

NOTES:
FOR ALL SCREW CONNECTIONS TO STEEL TUBE OR STEEL STUD SUBSTRATES, A MINIMUM OF THREE (3) THREADS MUST PENETRATE COMPLETELY THRU THE SUBSTRATE MATERIAL. FOR ALL OTHER SUBSTRATES, A MINIMUM OF THREE (3) THREADS FOR EMBEDMENT.

STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No. 42875 STATE OF FLORIDA PROFESSIONAL ENGINEER	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0820.07 Miami Dade Product Control Division By

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

REVISIONS: NO.	DATE	DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

44/300 DC FRAMING SYSTEM

SHEET NUMBER: 5 of 18
JOB NUMBER: DCS-01

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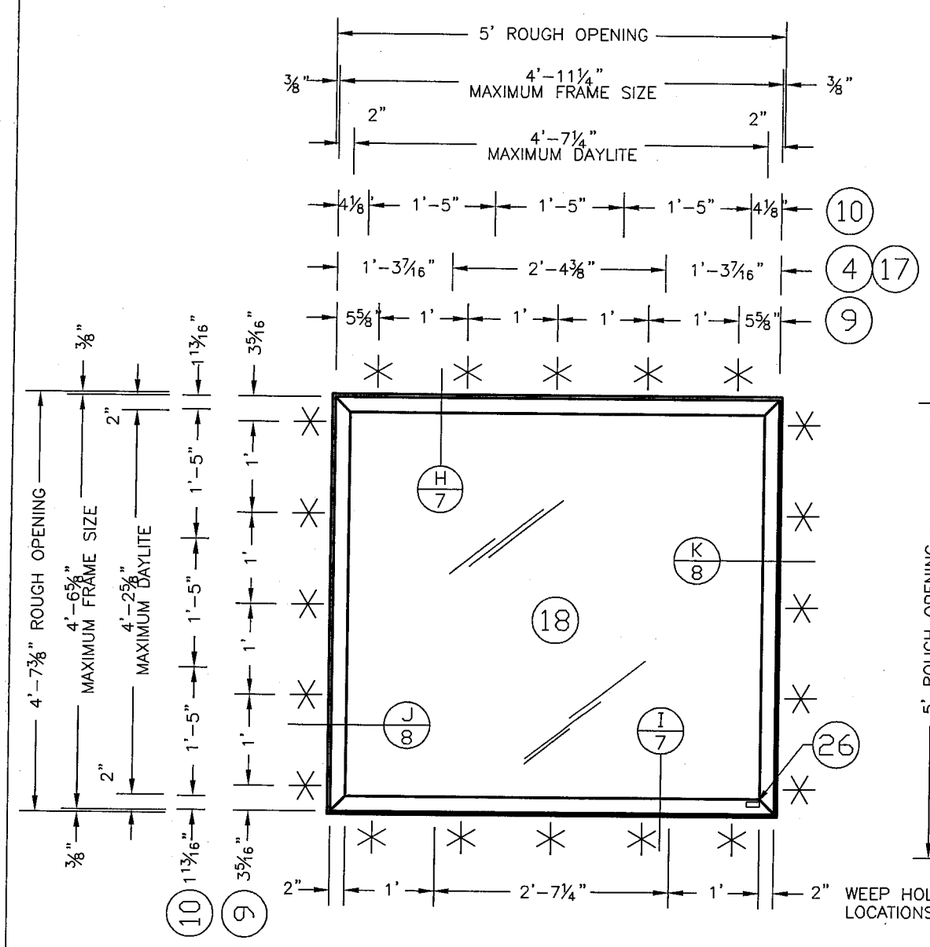
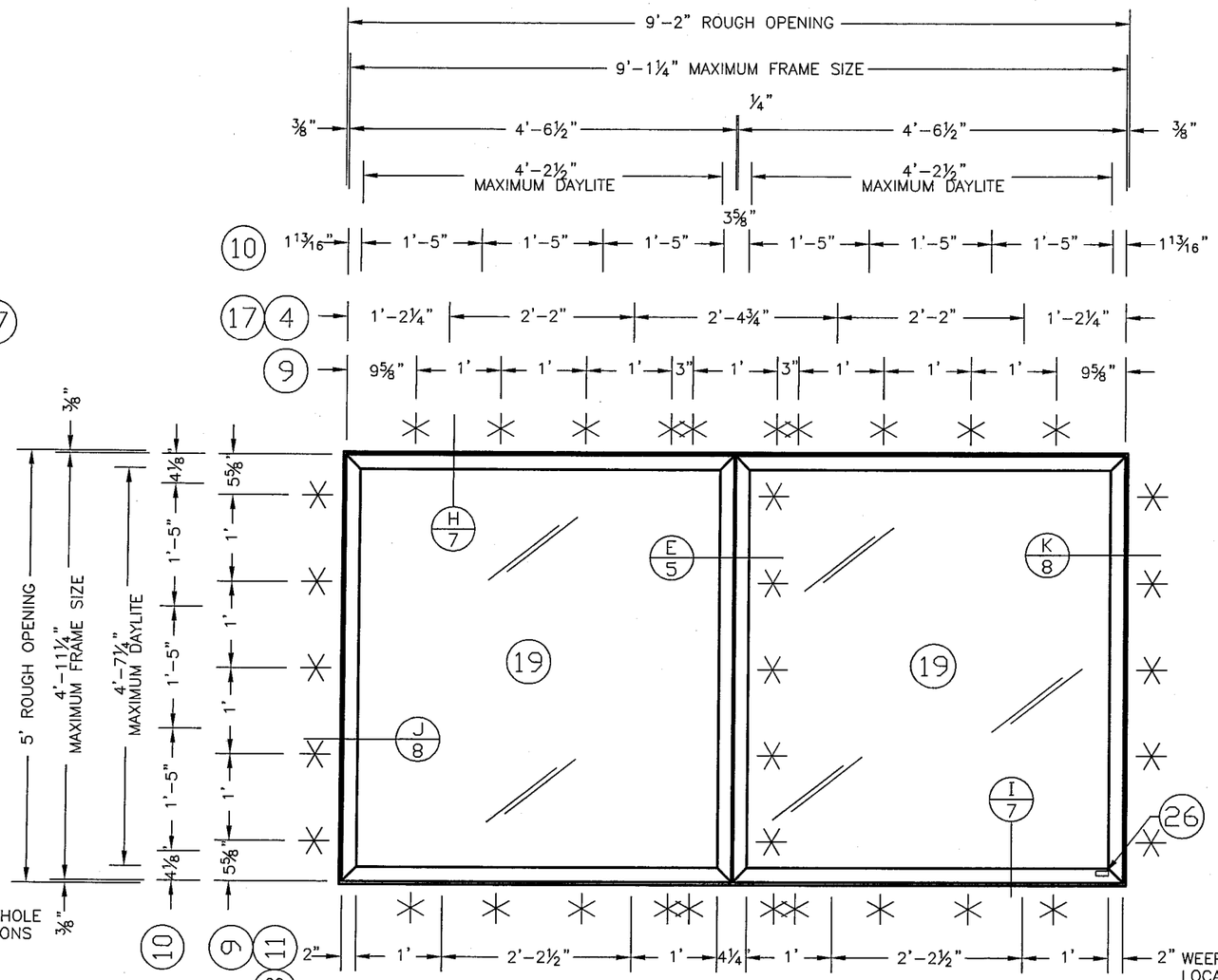


EXTERIOR ELEVATION OF SINGLE UNIT

(STEEL STUD SUBSTRATE)

THREAT SIDE



EXTERIOR ELEVATION OF DOUBLE UNIT

(STEEL STUD SUBSTRATE)

THREAT SIDE

NOTE:
THESE ARE APPROVED MAXIMUM DIMENSIONS AND PRESSURES, FOR ACTUAL WINDOW DIMENSIONS, SEE SPECIFIC SHOP DRAWINGS FOR EACH JOB.

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Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No. 42875 STATE OF FLORIDA PROFESSIONAL ENGINEER Robert L. Weible 08 Dec 09	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0610.07 Miami Dade Product Control Division By

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1291 RICKETT ROAD
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FAX (810) 844 - 0920

SCALE: N/A
DRAWN BY: NRK
DATE: 08.06.09

REVISIONS:
NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

SHEET NUMBER: 6 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

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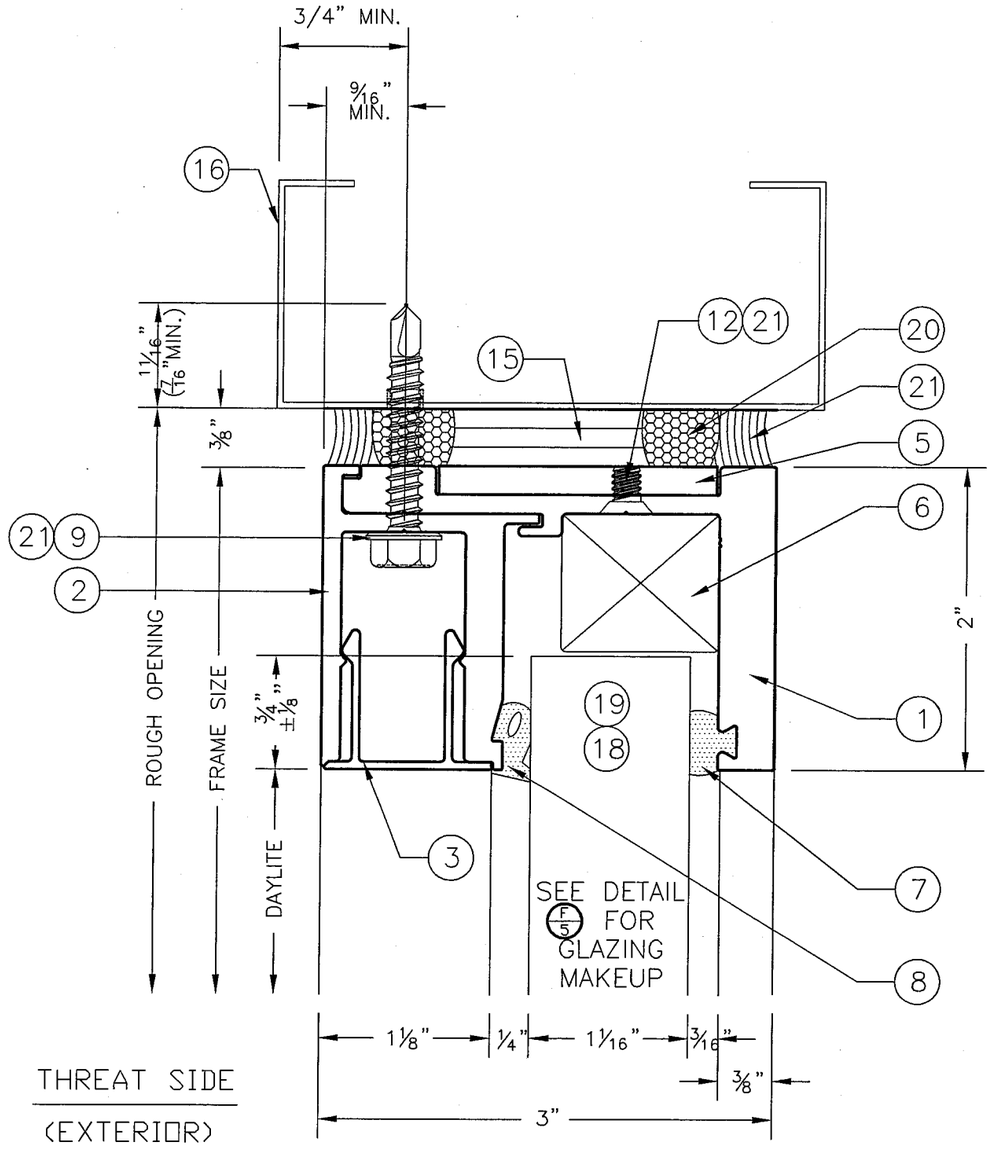
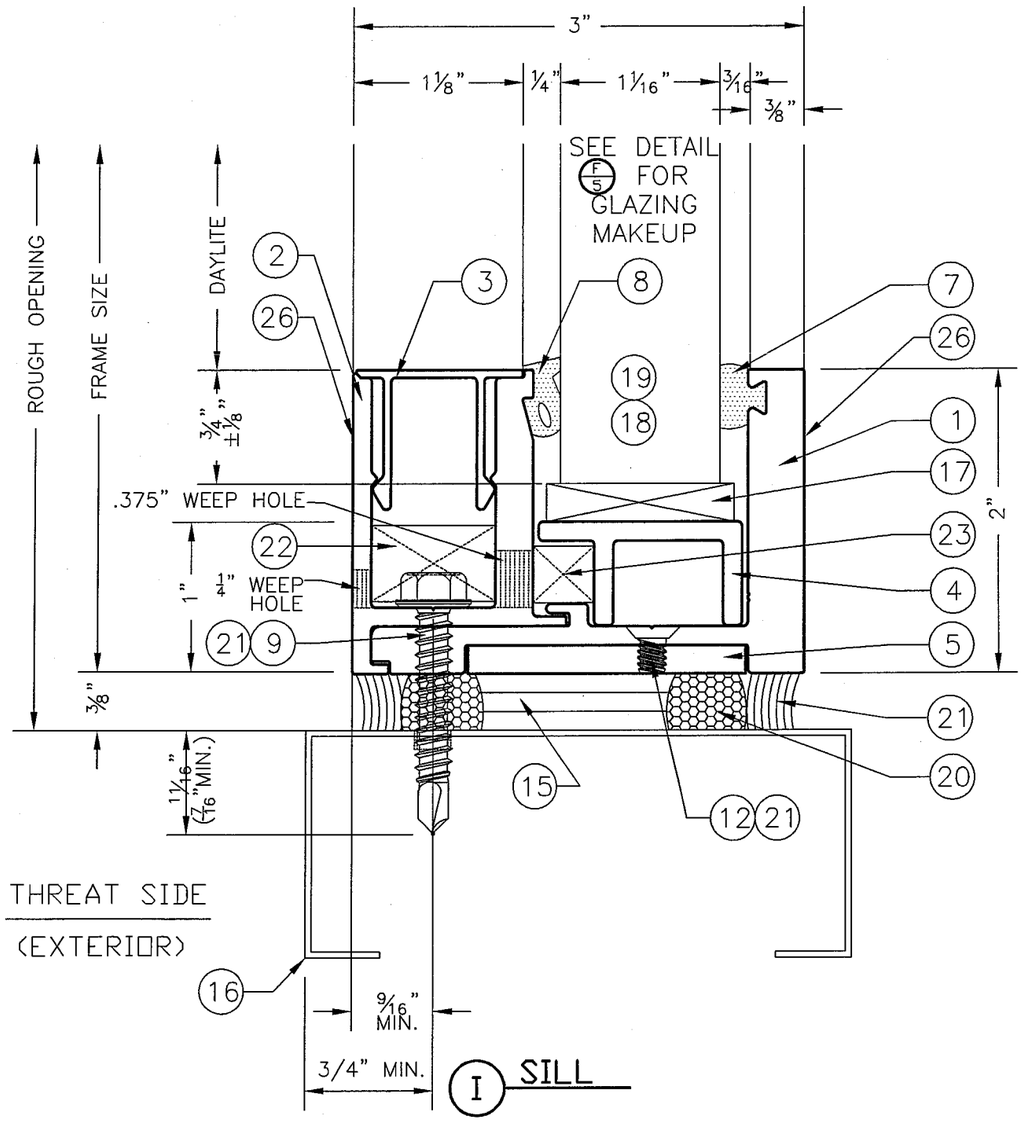


THREAT SIDE
(EXTERIOR)

H HEAD



THREAT SIDE
(EXTERIOR)

I SILL

NOTES:
FOR ALL METAL SCREW CONNECTIONS, A MINIMUM OF THREE (3) THREADS MUST PENETRATE COMPLETELY THRU THE SUBSTRATE MATERIAL.

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Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No. 42875 STATE OF FLORIDA PROFESSIONAL ENGINEER	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0610.07 Miami Dade Product Control Division By

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1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

REVISIONS:
NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

44/300 DC FRAMING SYSTEM

SHEET NUMBER: 7 of 18
JOB NUMBER: DCS-01

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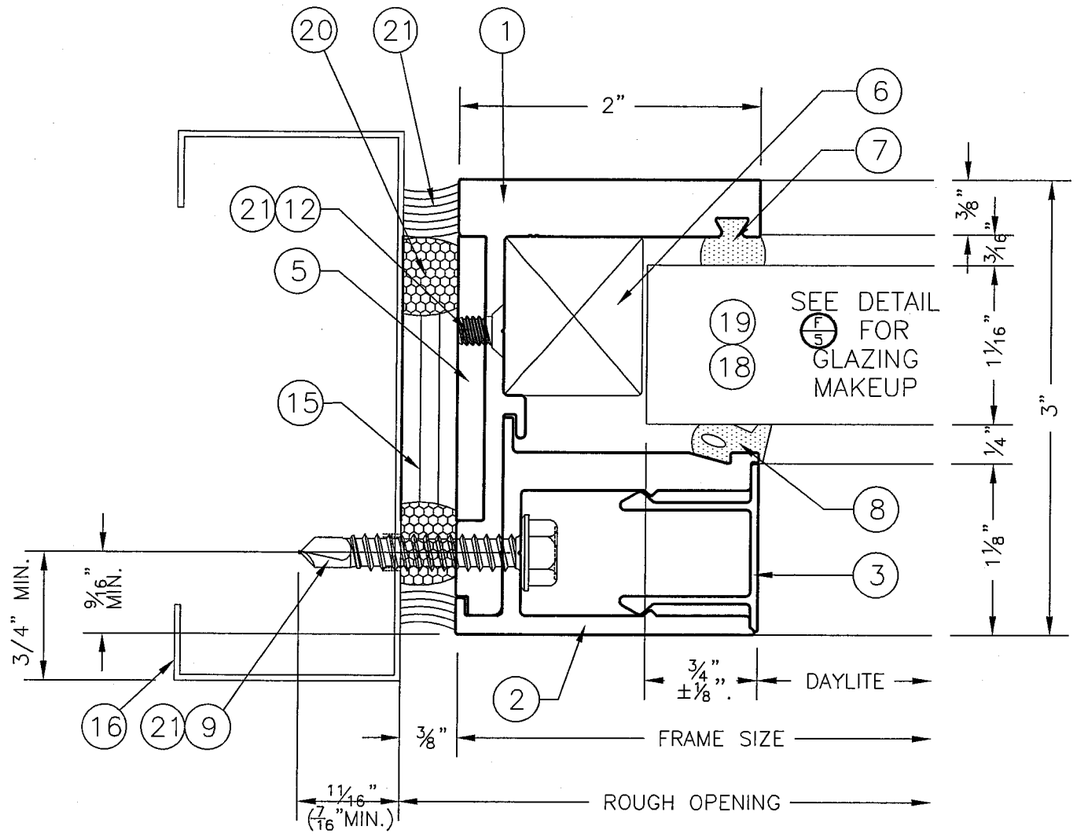
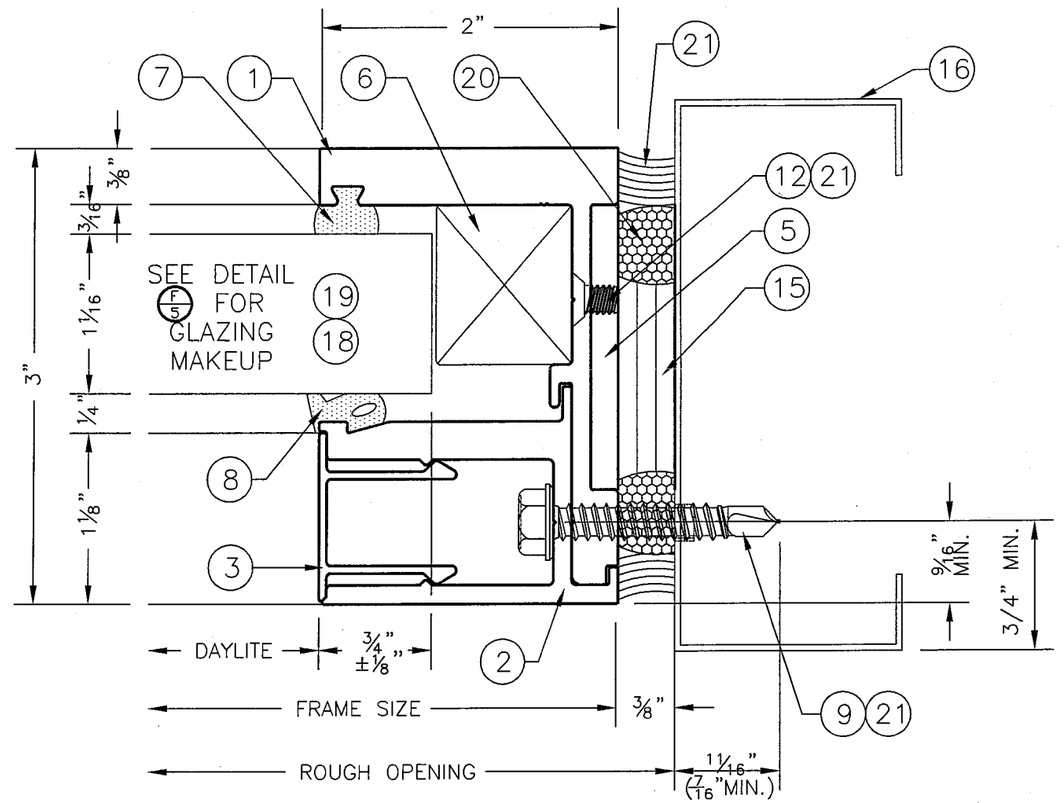


THREAT SIDE
(EXTERIOR)

J JAMB



THREAT SIDE
(EXTERIOR)

K JAMB

STRUCTURAL ENGINEER

Robert L. Weible, P.E.
Florida License #42875
Expiration Date Feb. 28, 2011

Triteq, Inc.
11132 S. Towne Square, Ste. 104
St. Louis, Mo 63123

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Approved as complying with the Florida Building Code
Date 12/30/2009
NOA# 09-0610.07
Miami Dade Product Control Division
By

SHEET NUMBER: 8 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS:
NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC
SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

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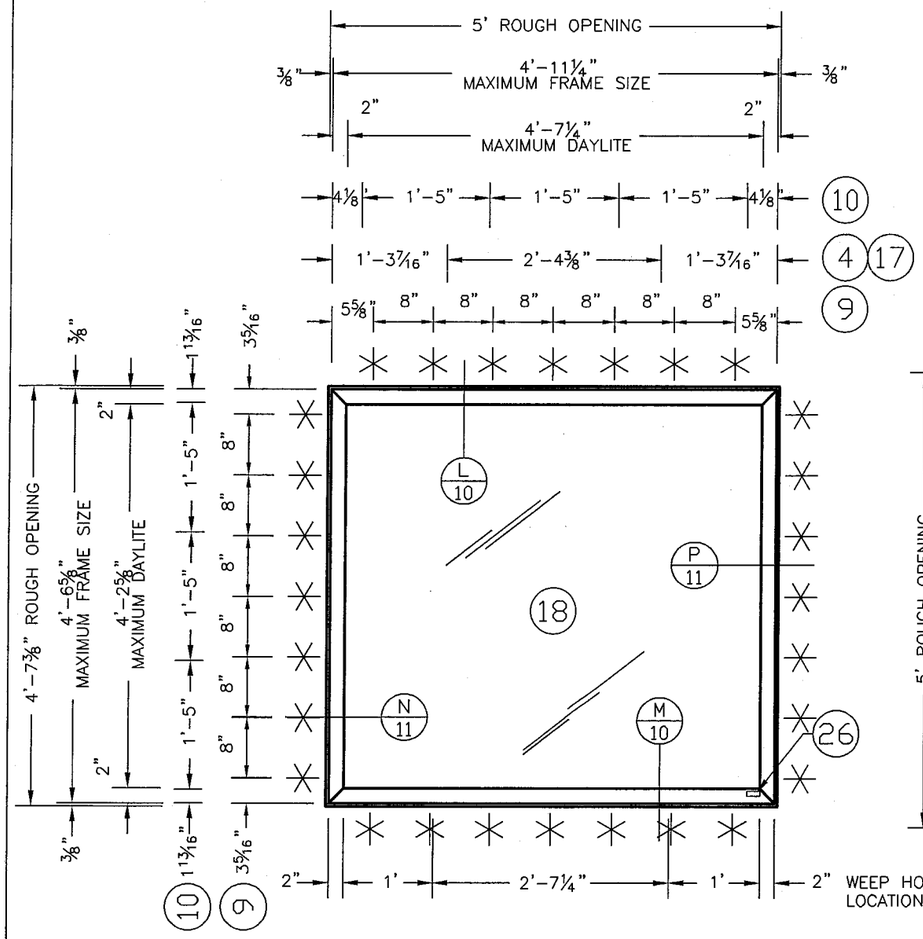
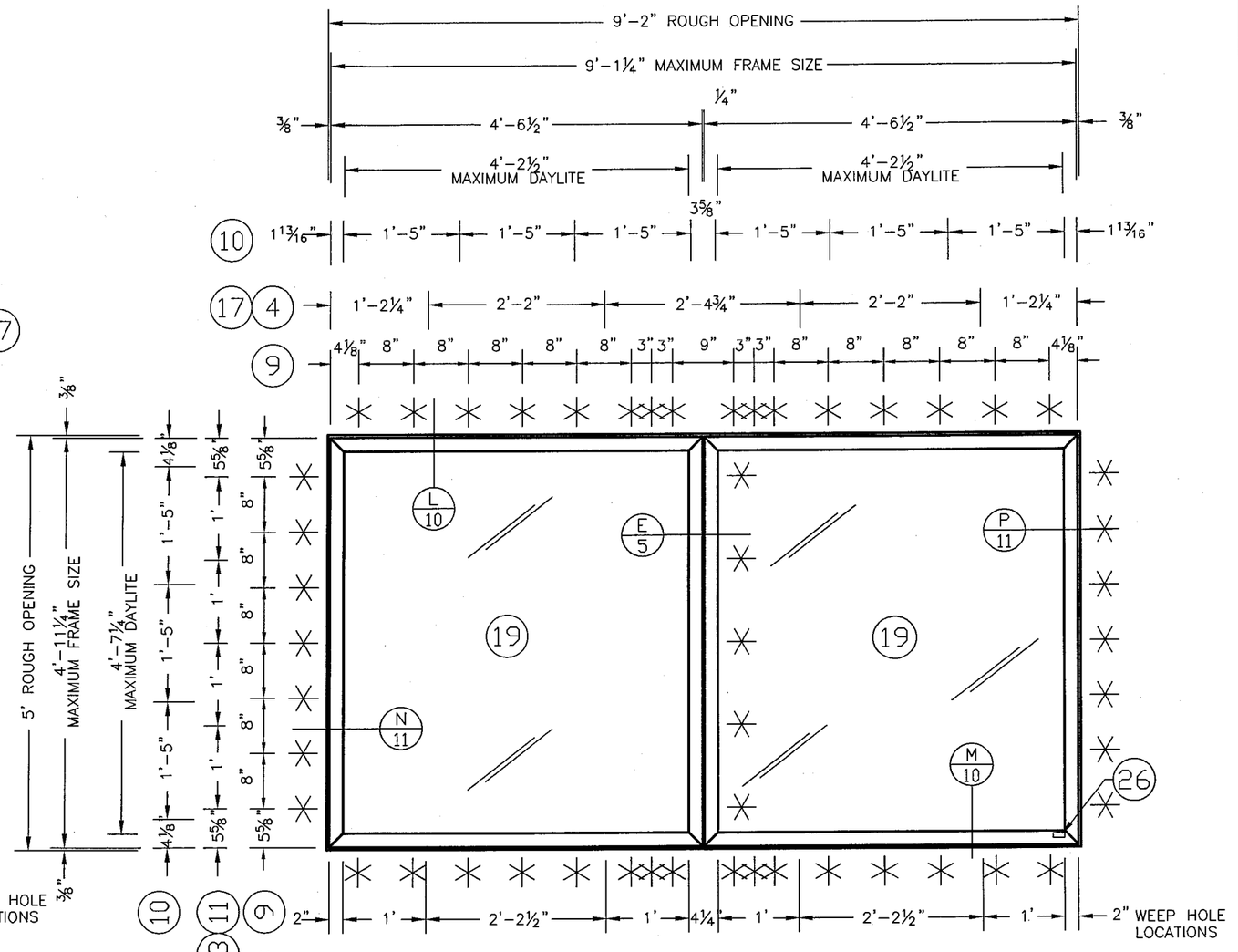


EXTERIOR ELEVATION OF SINGLE UNIT

(CMU SUBSTRATE)

THREAT SIDE



EXTERIOR ELEVATION OF DOUBLE UNIT

(CMU SUBSTRATE)

THREAT SIDE

NOTE:
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STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
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SHEET NUMBER: 9 of 18

JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS: NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

SCALE: N/A

DRAWN BY: NRK

DATE: 08.06.09

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
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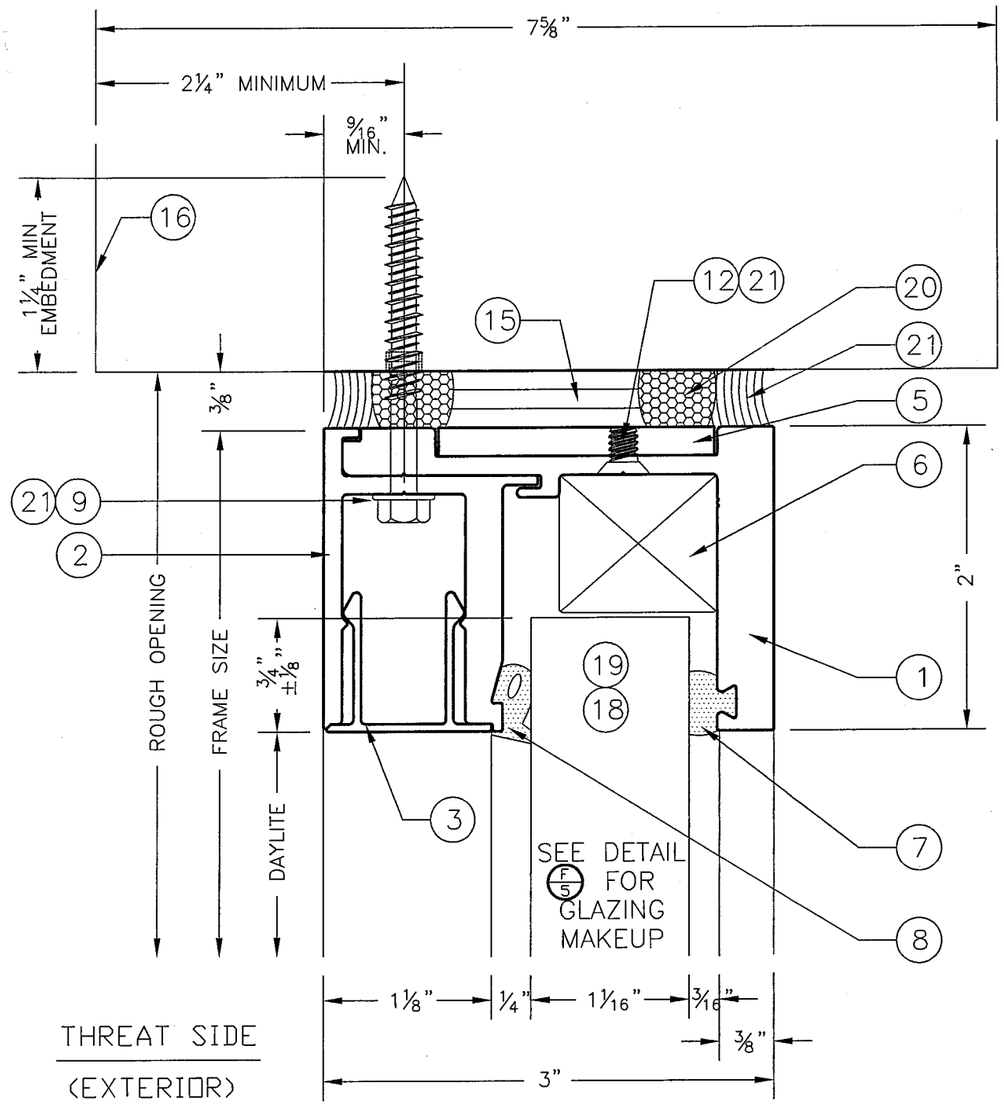
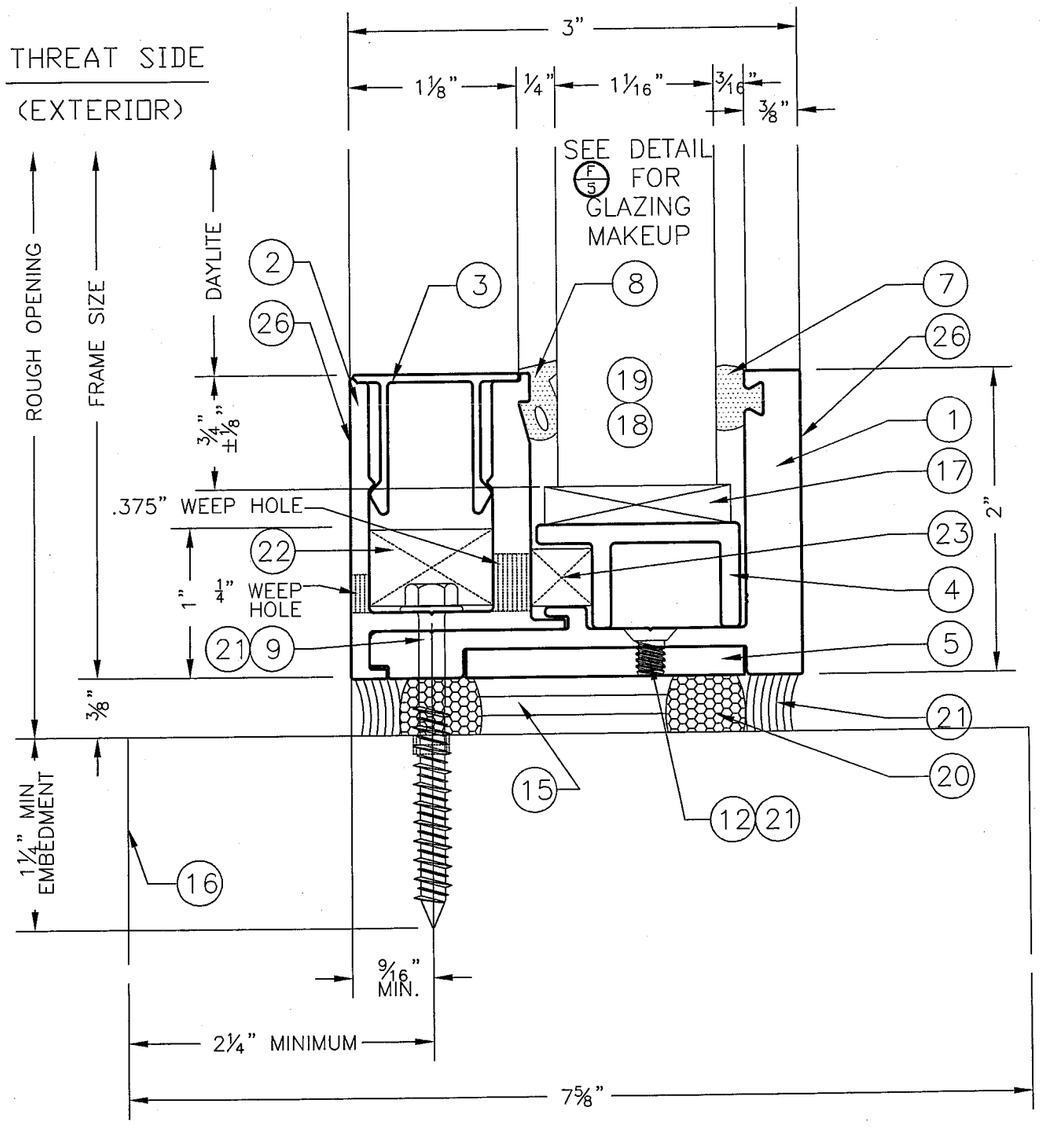


L HEAD



M SILL

NOTES:
FOR ALL METAL SCREW CONNECTIONS, A MINIMUM OF THREE (3) THREADS FOR EMBEDMENT IS REQUIRED.

STRUCTURAL ENGINEER

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Florida License #42875
Expiration Date Feb. 28, 2011
Triteq, Inc.
11132 S. Towne Square, Ste. 104
St. Louis, Mo 63123

STRUCTURAL ENGINEER STAMP

ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER
04 Dec 09

DADE COUNTY STAMP

Approved as complying with the Florida Building Code
Date 12/30/2009
NOA# 09-0610.07
Miami Dade Product Control Division
By

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

REVISIONS: NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

44/300 DC FRAMING SYSTEM

SHEET NUMBER: 10 of 18
JOB NUMBER: DCS-01

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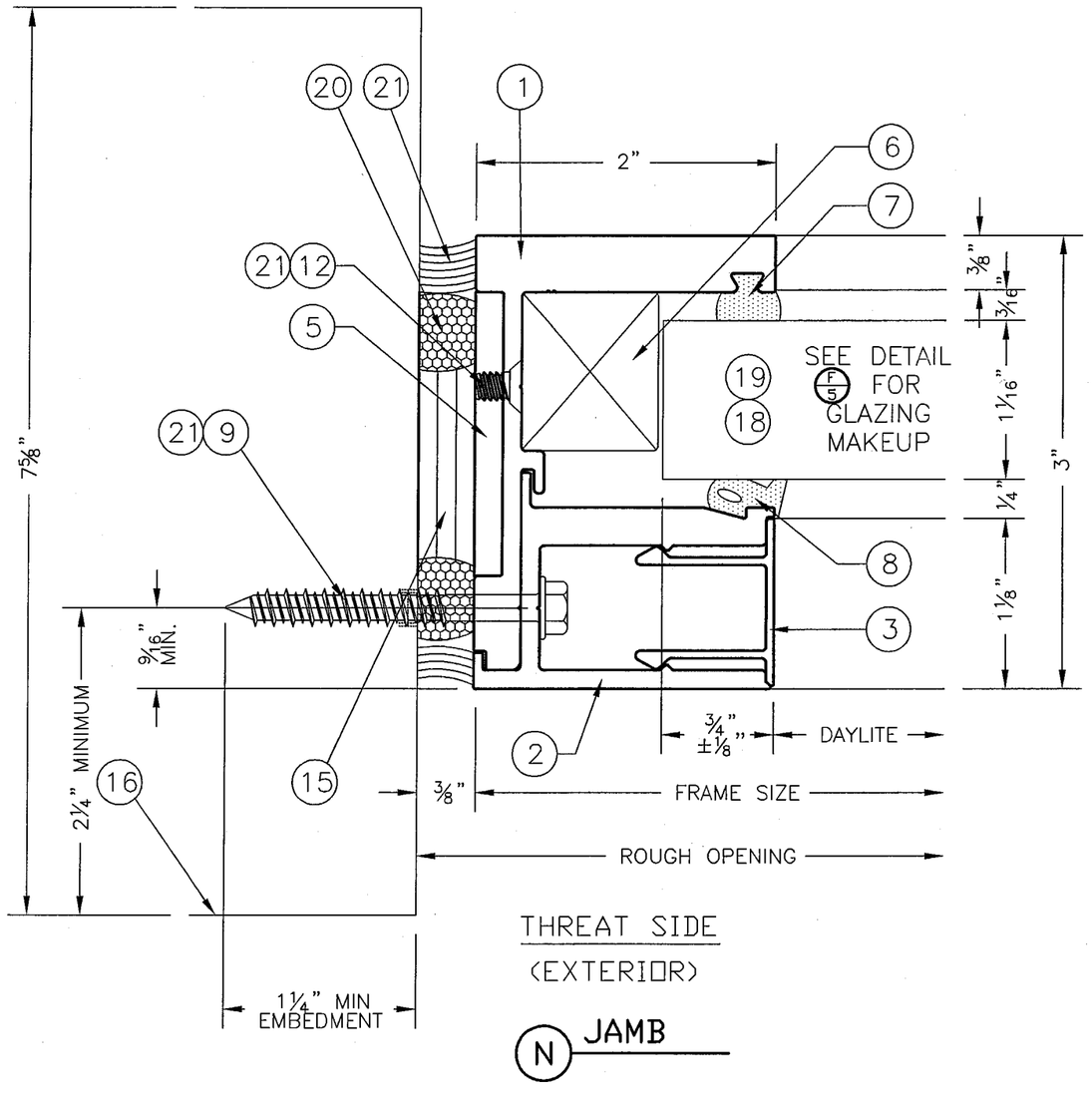
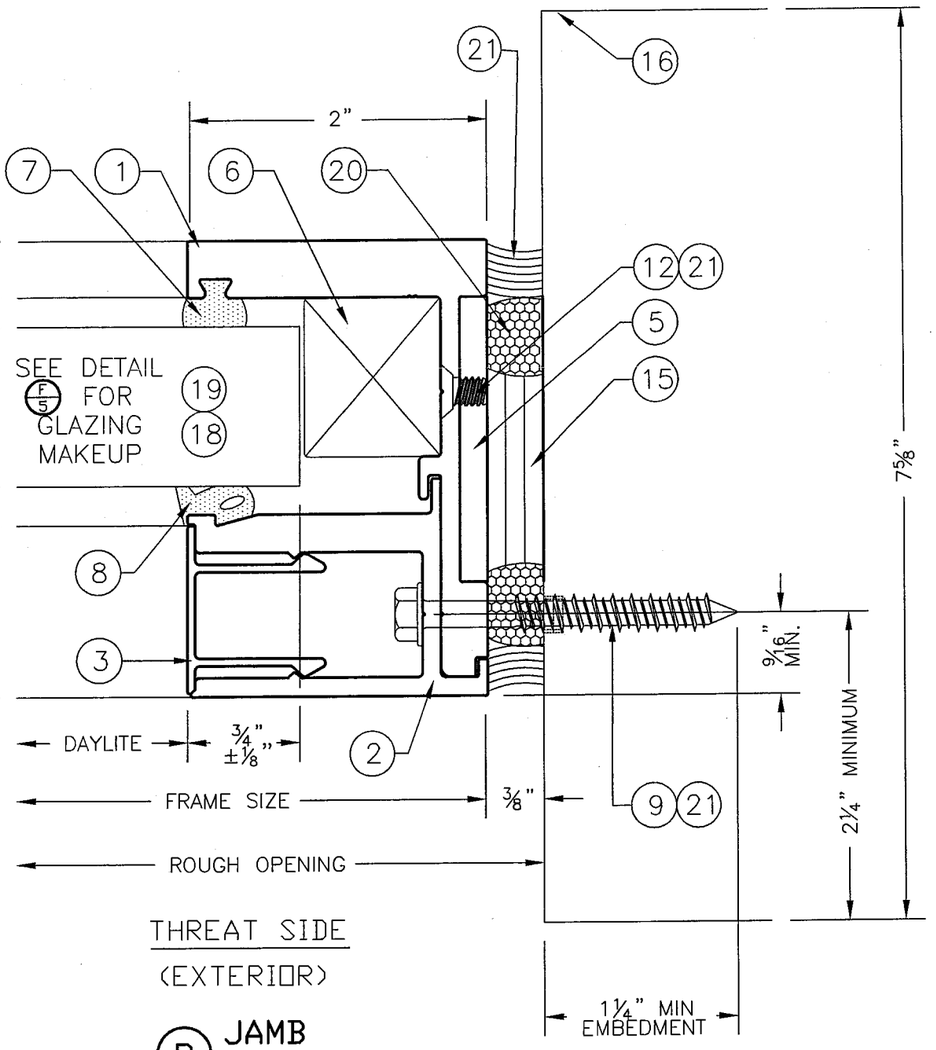


THREAT SIDE
(EXTERIOR)

N JAMB



THREAT SIDE
(EXTERIOR)

P JAMB

STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0610.07 Miami Dade Product Control Division By

SHEET NUMBER: 11 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS: NO. DATE DESCRIPTION

LOCATION: ENG/ALUFAB/44300 DC

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

SABIC Innovative Plastics U.S., LLC - DBA
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1291 RICKETT ROAD BRIGHTON, MI 48116
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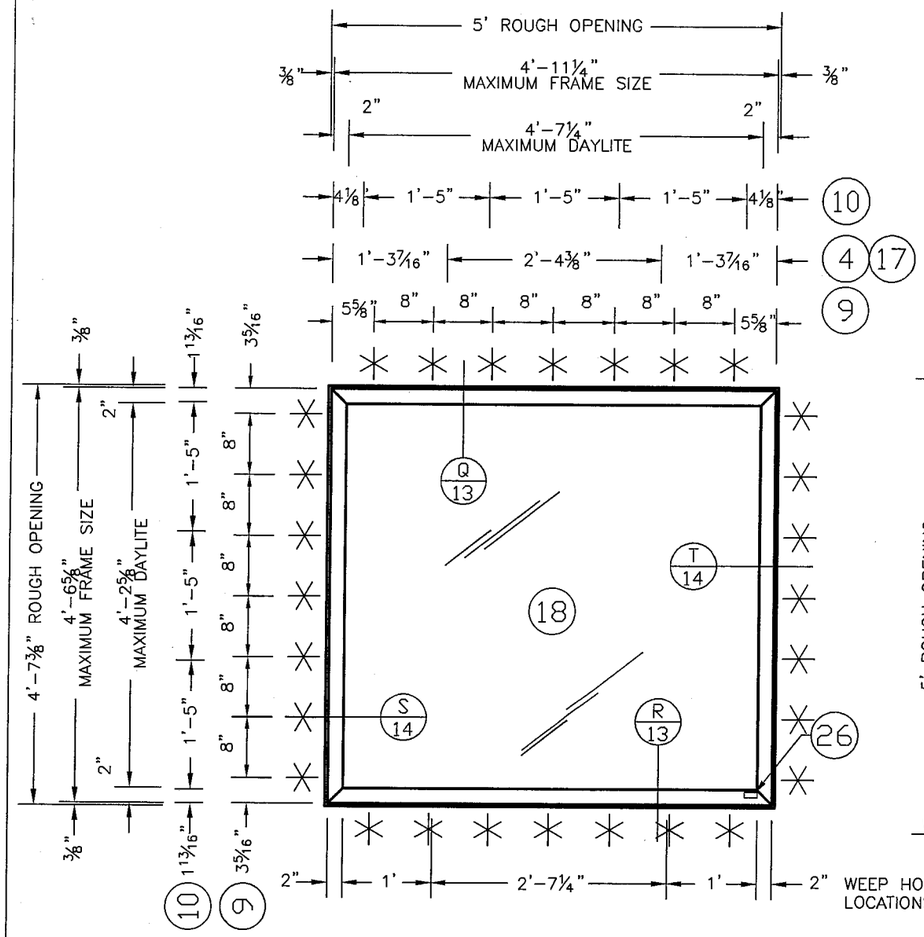
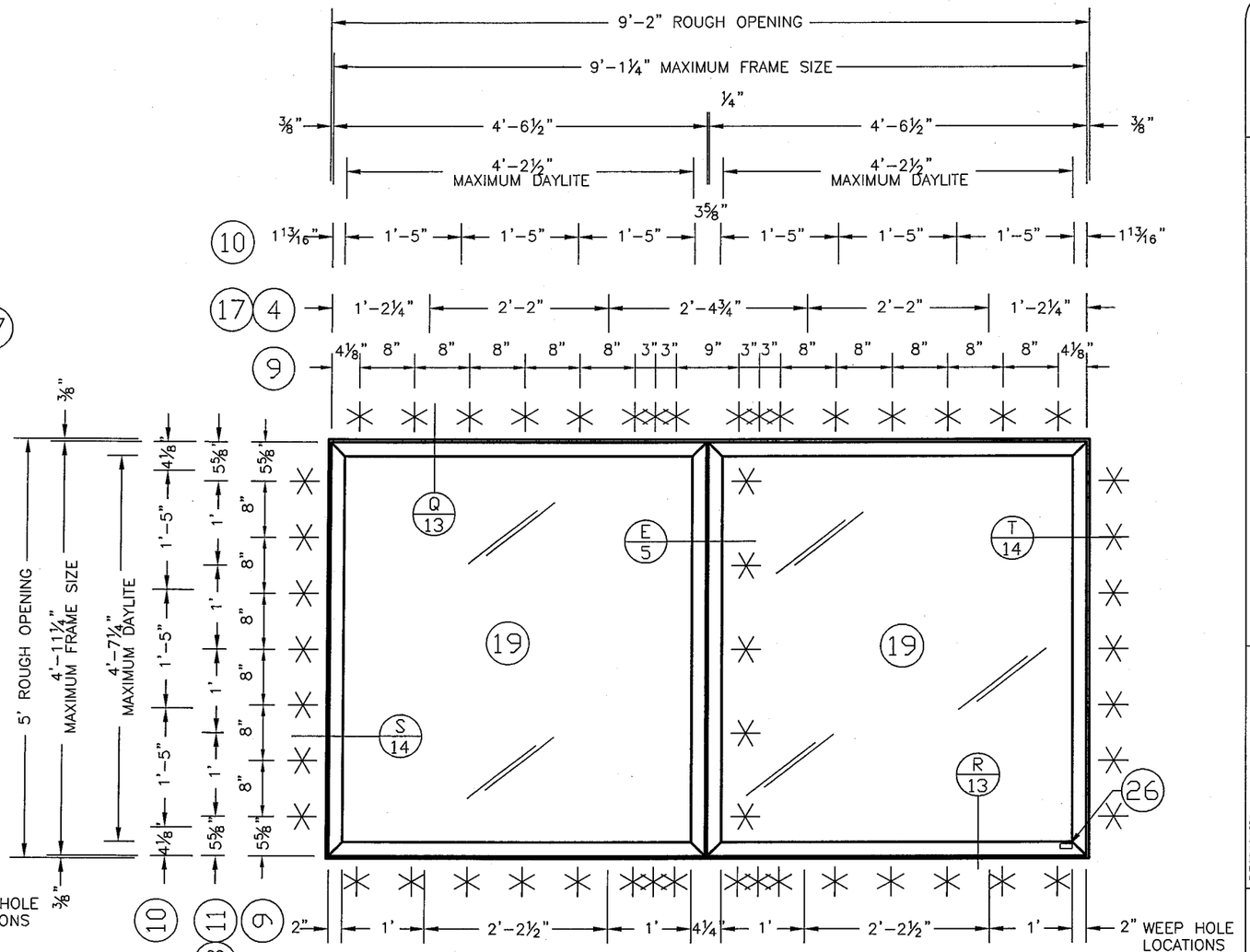


EXTERIOR ELEVATION OF SINGLE UNIT

(PRE-CAST PANEL SUBSTRATE)

THREAT SIDE



EXTERIOR ELEVATION OF DOUBLE UNIT

(PRE-CAST PANEL SUBSTRATE)

THREAT SIDE

NOTE:
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STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
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SHEET NUMBER: 12 of 18

JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS:

NO.	DATE	DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

SCALE: N/A

DRAWN BY: NRK

DATE: 08.06.09

SABIC Innovative Plastics U.S., LLC - DBA
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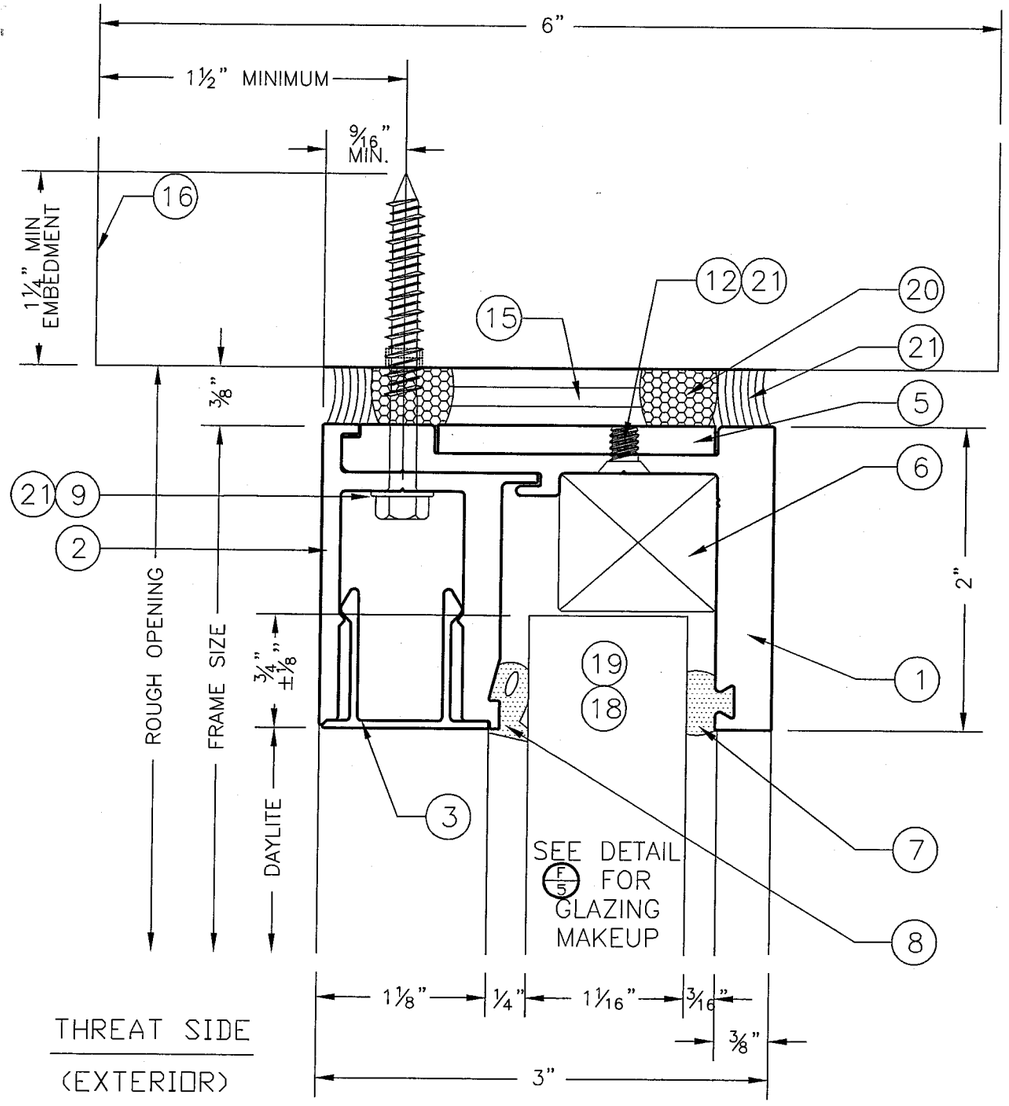

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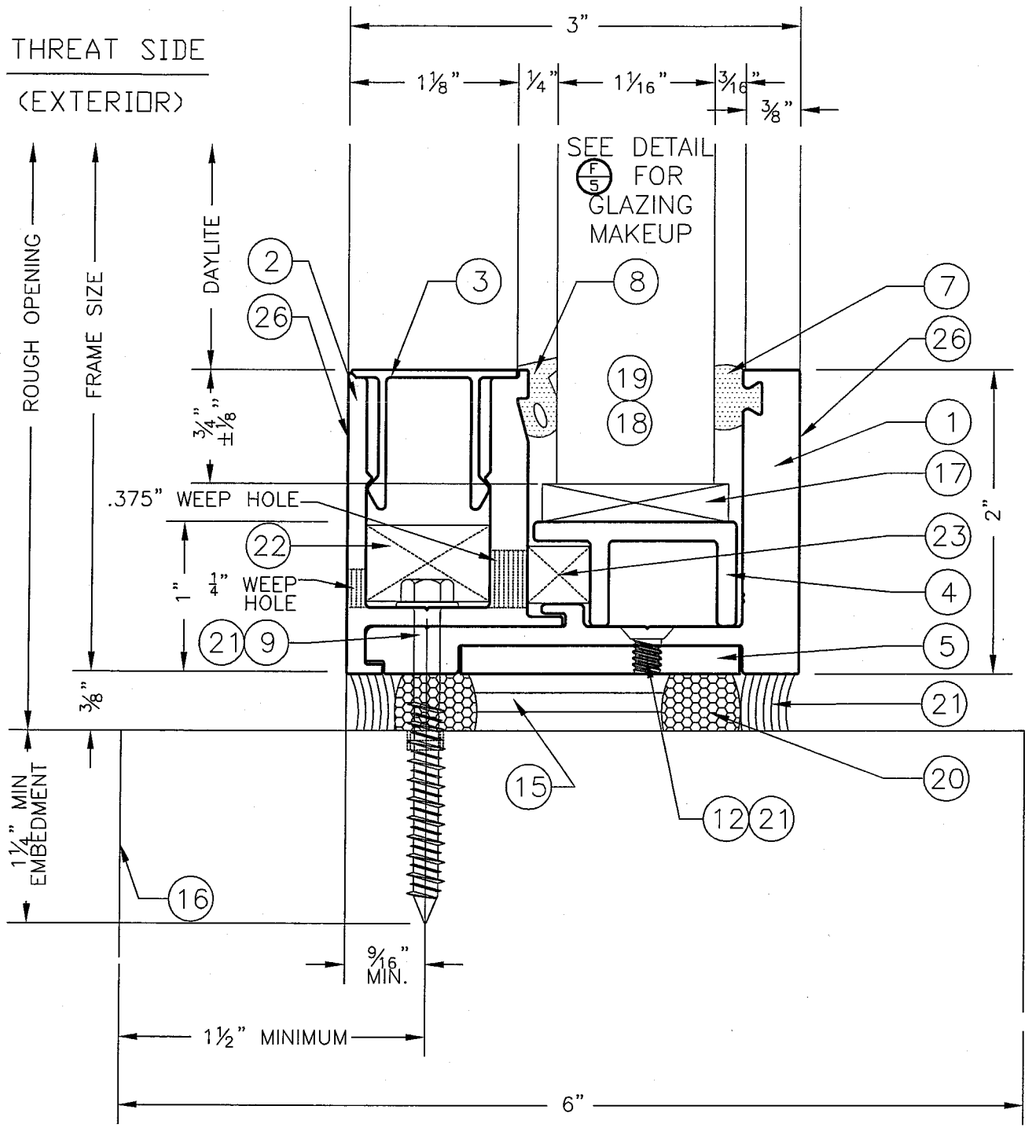

R SILL

NOTES:
FOR ALL METAL SCREW CONNECTIONS, A MINIMUM OF THREE (3) THREADS FOR EMBEDMENT IS REQUIRED.

STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-06.10, 07 Miami Dade Product Control Division By

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Insulgard Security Products
1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

REVISIONS:
NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

44/300 DC FRAMING SYSTEM

SHEET NUMBER: 13 of 18
JOB NUMBER: DCS-01

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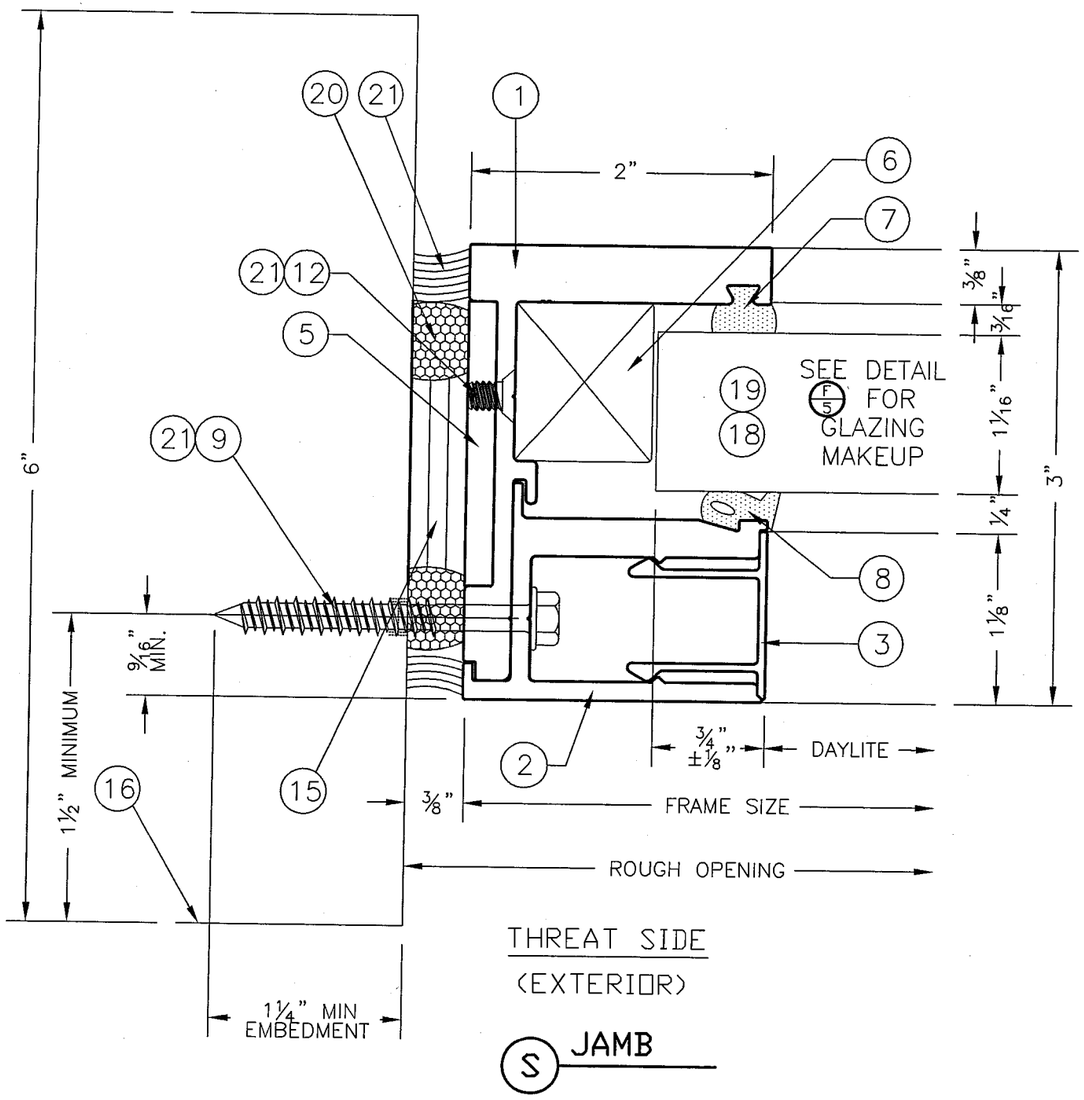
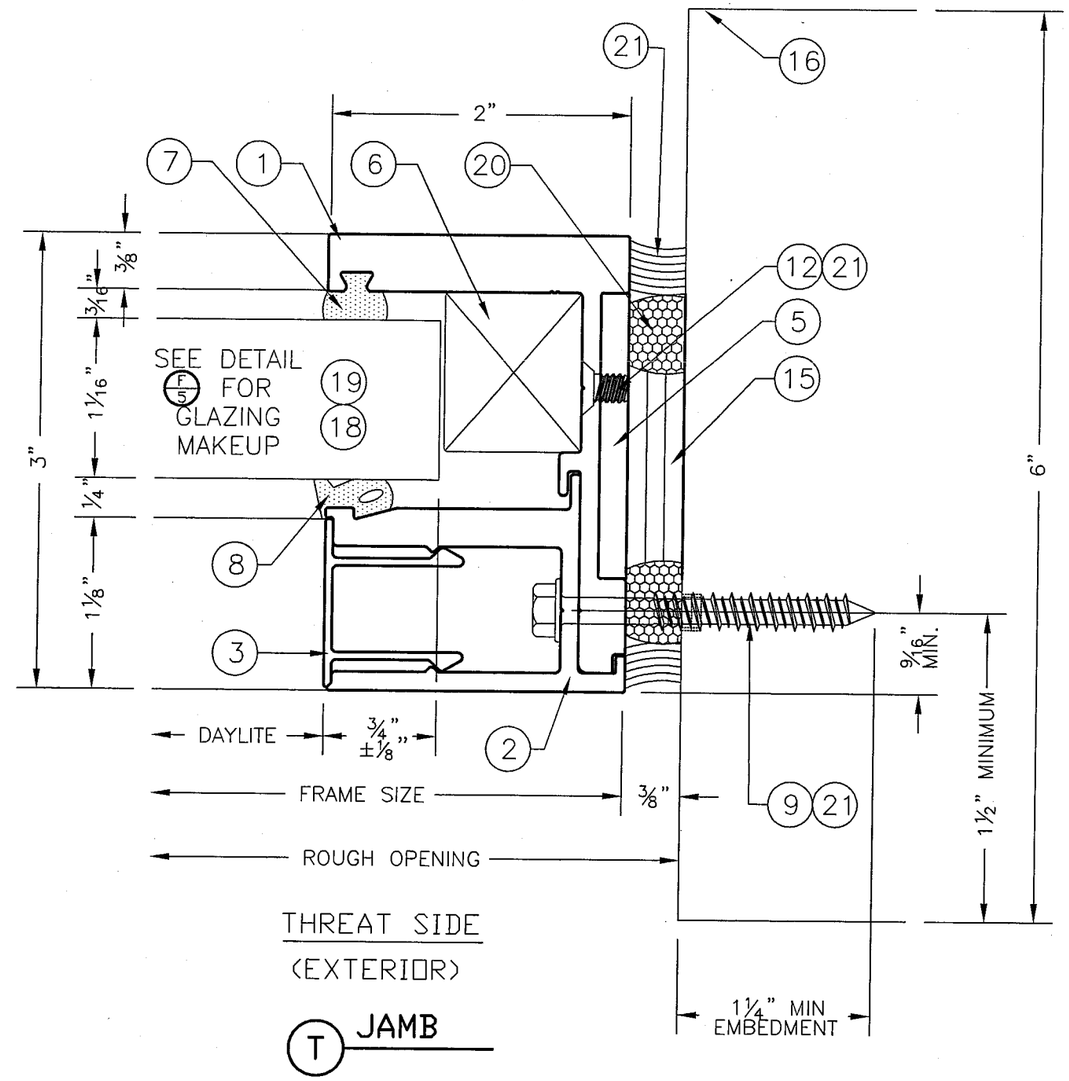


THREAT SIDE
(EXTERIOR)

S JAMB



THREAT SIDE
(EXTERIOR)

T JAMB

STRUCTURAL ENGINEER

Robert L. Weible, P.E.
Florida License #42875
Expiration Date Feb. 28, 2011
Triteq, Inc.
11132 S. Towne Square, Ste. 104
St. Louis, Mo 63123

STRUCTURAL ENGINEER STAMP

ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER
Robert L. Weible 12-30-09

DADE COUNTY STAMP

Approved as complying with the Florida Building Code
Date 12/30/2009
NOA# 09-0610.07
Miami Dade Product Control Division
By

SHEET NUMBER: 14 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS: NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

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Insulgard SECURITY PRODUCTS
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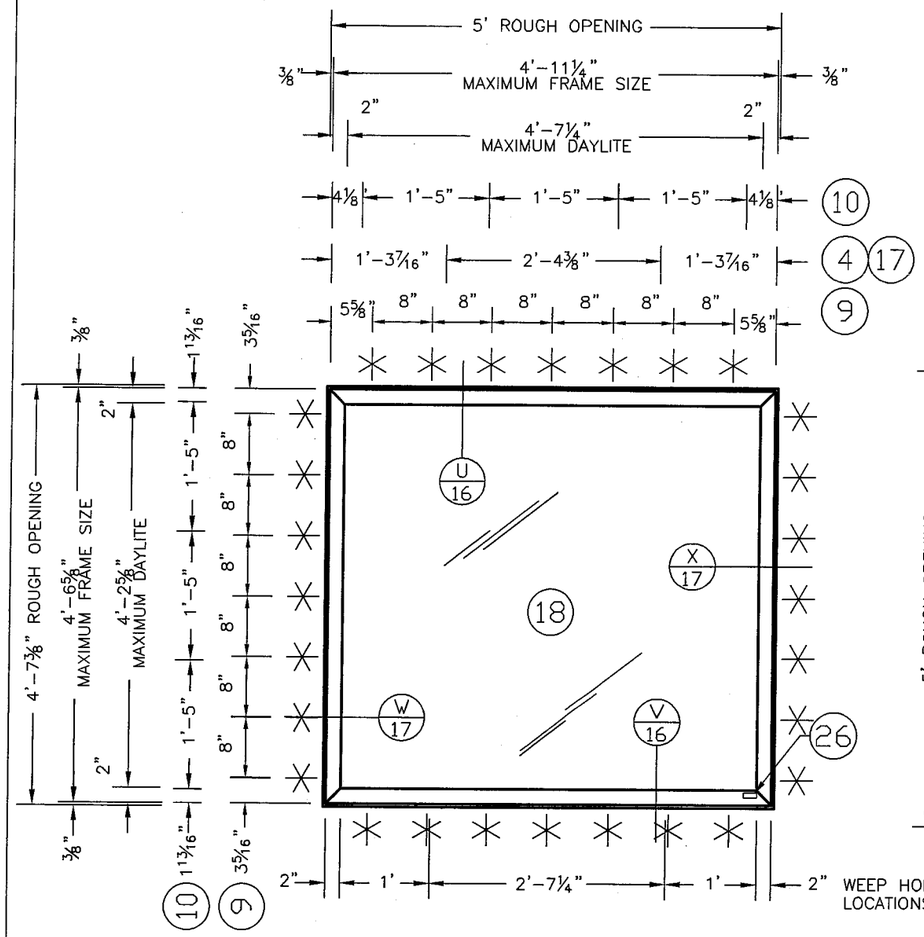
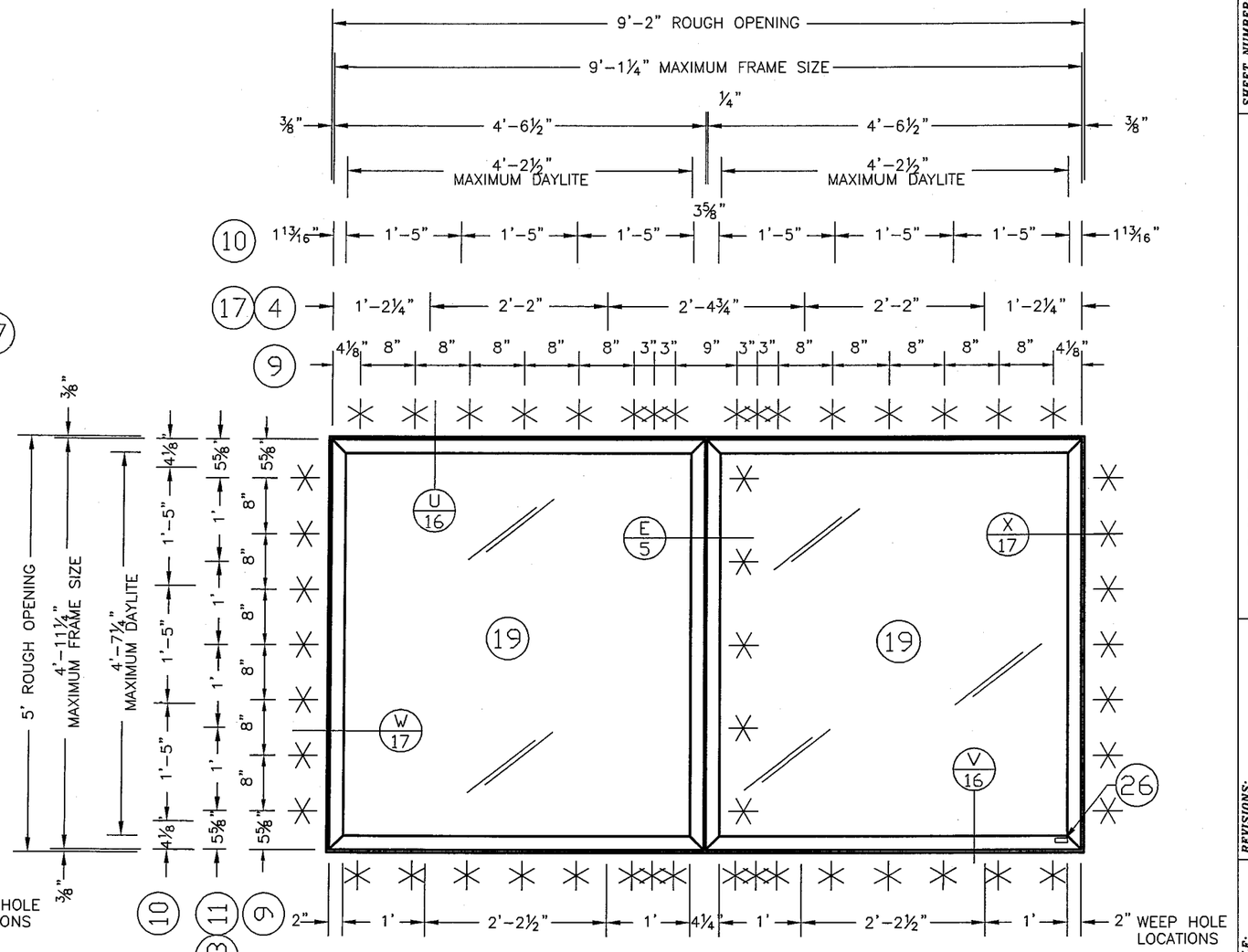


EXTERIOR ELEVATION OF SINGLE UNIT
(WOOD STUDS (2X4) SUBFRAME)
THREAT SIDE



EXTERIOR ELEVATION OF DOUBLE UNIT
(WOOD STUDS (2X4) SUBFRAME)
THREAT SIDE

NOTE:
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STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0610.07 Miami Dade Product Control Division By

SHEET NUMBER: 15 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

REVISIONS: NO. DATE DESCRIPTION

LOCATION: ENG/ENG/ALUFAB/44300 DC

SCALE: N/A
DRAWN BY: NRK
DATE: 08.06.09

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
1291 RICKETT ROAD BRIGHTON, MI 48116
PHONE (810) 844 - 0776 FAX (810) 844 - 0920

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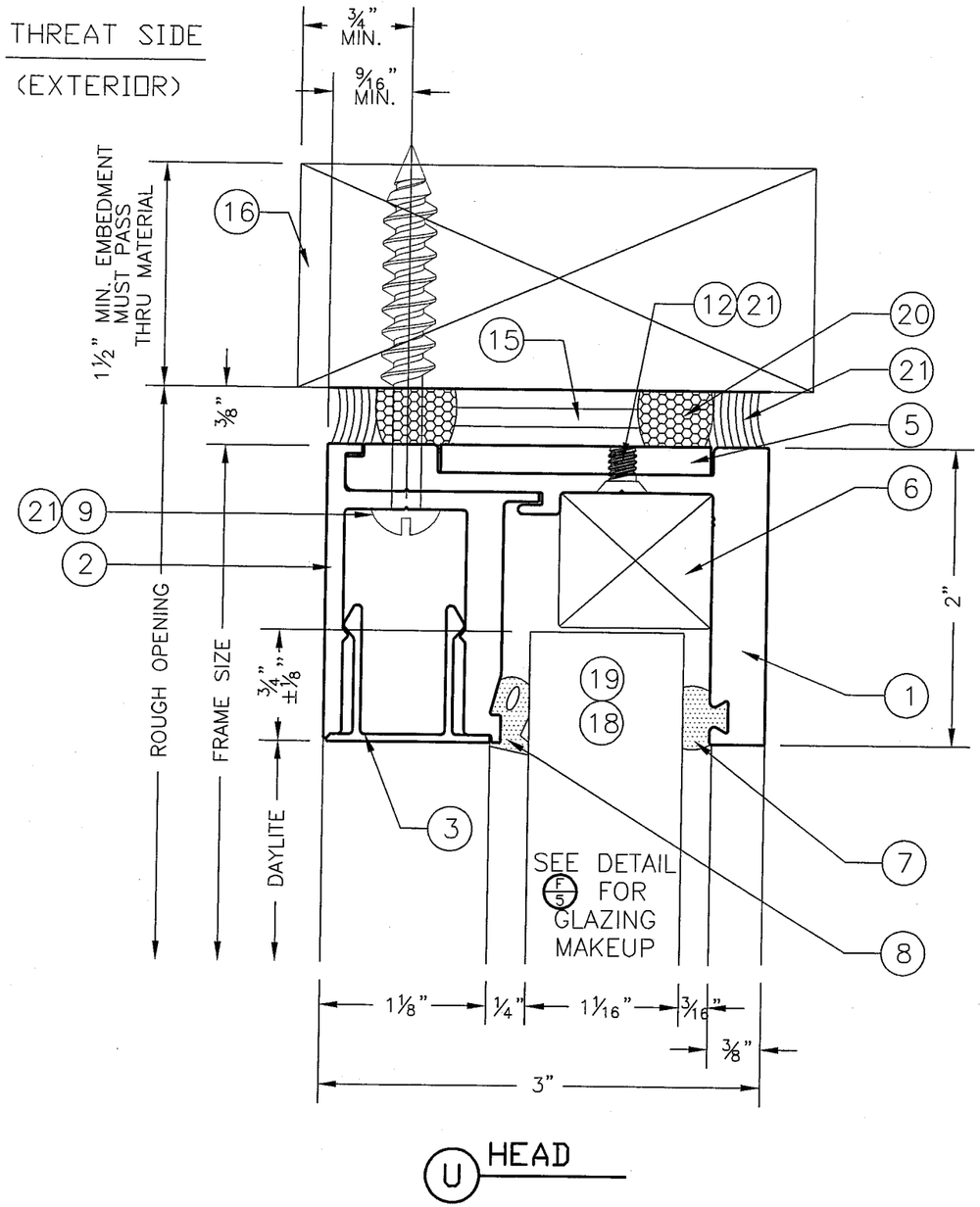
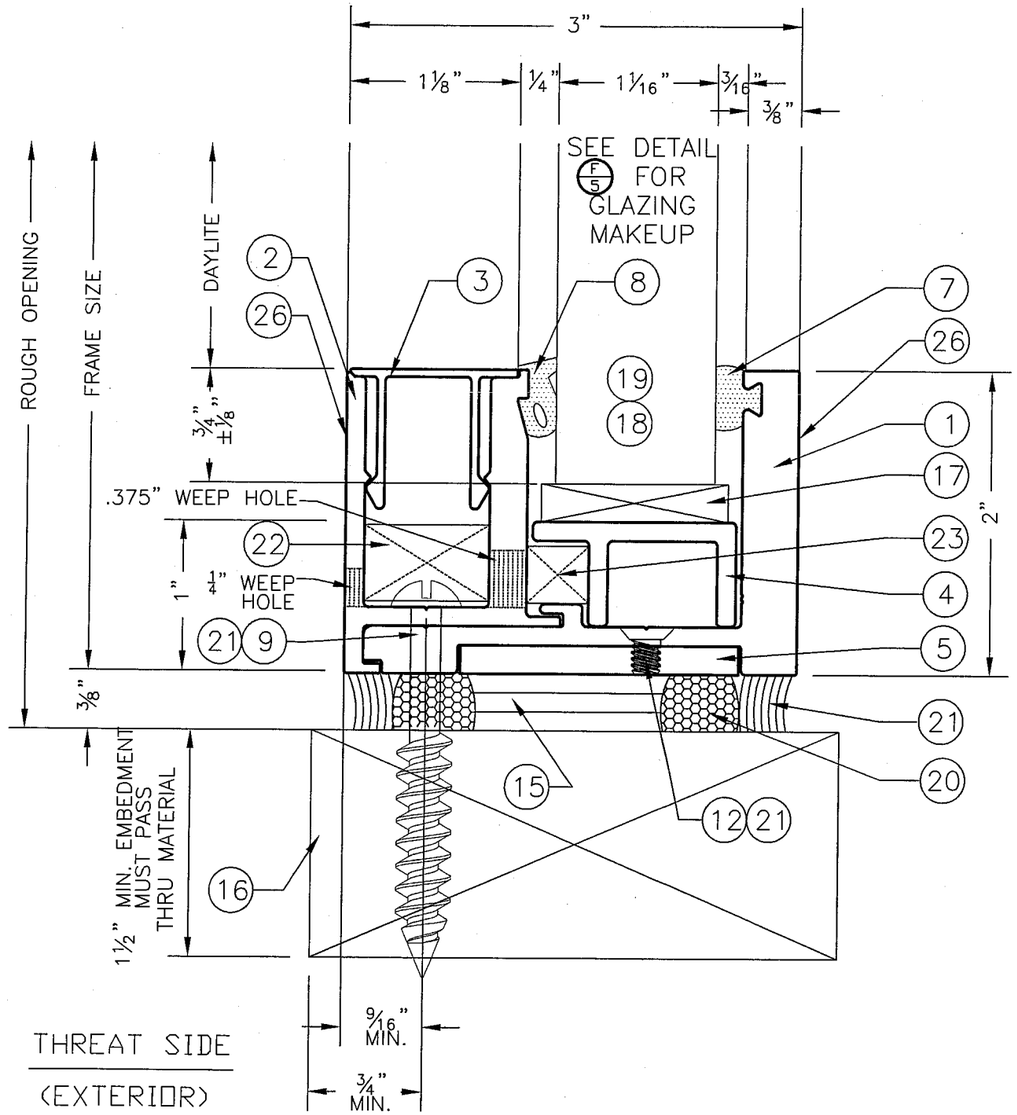


U HEAD



V SILL

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STRUCTURAL ENGINEER	STRUCTURAL ENGINEER STAMP	DADE COUNTY STAMP
Robert L. Weible, P.E. Florida License #42875 Expiration Date Feb. 28, 2011 Triteq, Inc. 11132 S. Towne Square, Ste. 104 St. Louis, Mo 63123	ROBERT L. WEIBLE LICENSE No. 42875 STATE OF FLORIDA PROFESSIONAL ENGINEER Dec. 9, 09	Approved as complying with the Florida Building Code Date 12/30/2009 NOA# 09-0610.07 Miami Dade Product Control Division By

SABIC Innovative Plastics U.S., LLC - DBA
Insulgard Security Products
1291 RICKETT ROAD
BRIGHTON, MI 48116
PHONE (810) 844 - 0776
FAX (810) 844 - 0920

SCALE: FULL
DRAWN BY: NRK
DATE: 08.06.09

REVISIONS:
NO. DATE DESCRIPTION

LOCATION: ENG/ALUFAB/44300 DC

SHEET NUMBER: 16 of 18
JOB NUMBER: DCS-01

44/300 DC FRAMING SYSTEM

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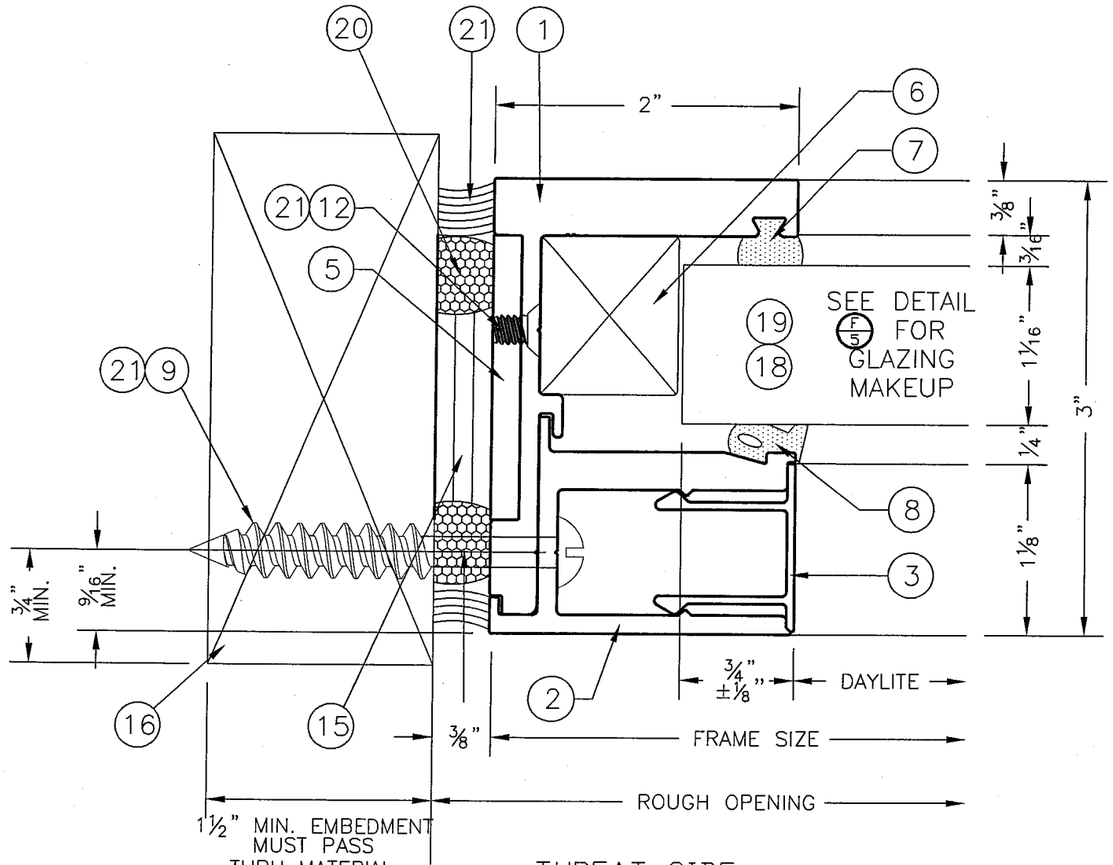
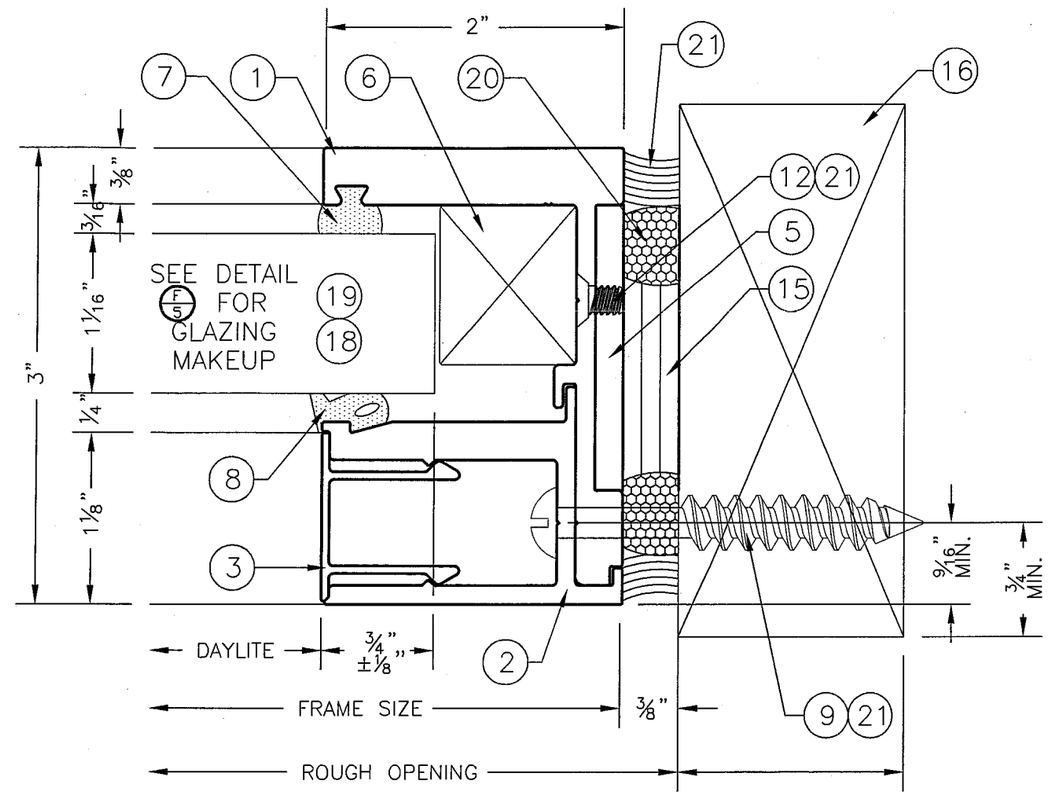
NOTES:
FOR ALL METAL SCREW CONNECTIONS, A MINIMUM OF THREE (3) THREADS FOR EMBEDMENT IS REQUIRED.



THREAT SIDE
(EXTERIOR)

W JAMB



THREAT SIDE
(EXTERIOR)

X JAMB

STRUCTURAL ENGINEER

Robert L. Weible, P.E.
Florida License #42875
Expiration Date Feb. 28, 2011

Triteq, Inc.
11132 S. Towne Square, Ste. 104
St. Louis, Mo 63123

STRUCTURAL ENGINEER STAMP

ROBERT L. WEIBLE LICENSE No.42875 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 09

DADE COUNTY STAMP

Approved as complying with the Florida Building Code
Date 12/30/2009
NOA# 09-0610.07
Miami Dade Product Control Division
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SCALE: FULL
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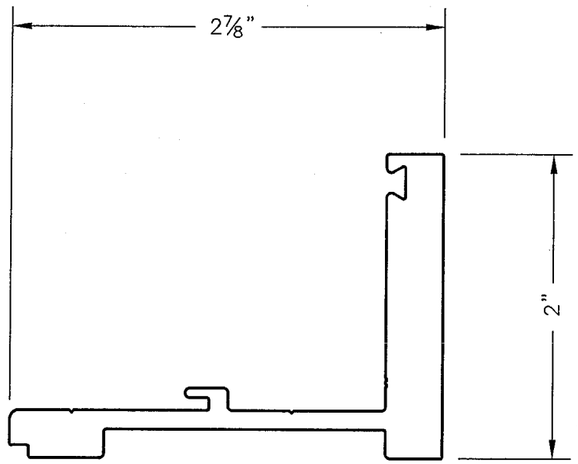
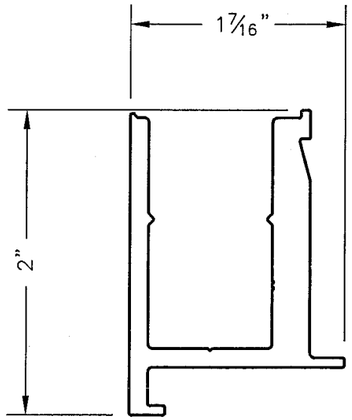
44/300 DC FRAMING SYSTEM

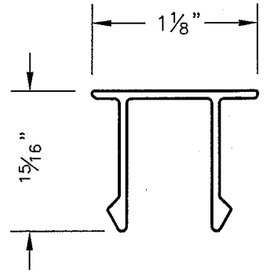
SHEET NUMBER: 17 of 18
JOB NUMBER: DCS-01



1 EXTRUSION #10-1327
.063" MINIMUM WALL THICKNESS

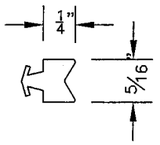


2 EXTRUSION #10-1328
.063" MINIMUM WALL THICKNESS

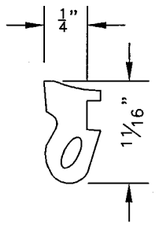


3 EXTRUSION #10-1329
.050" MINIMUM WALL THICKNESS

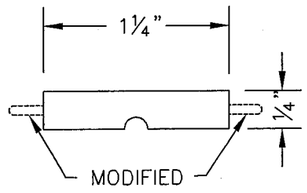
5 EXTRUSION #10-1550
.187" MINIMUM WALL THICKNESS



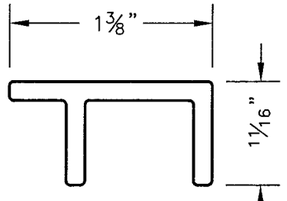
7 G001 SPONGE



8 G005 WEDGE



17 SETTING BLOCK



4 EXTRUSION #10-1330
.125" MINIMUM WALL THICKNESS

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44/300 DC FRAMING SYSTEM

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