MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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

NOTICE OF ACCEPTANCE (NOA)

Trulite Glass & Aluminum Solution, LLC
800 Fairway Drive, Suite # 200
Deerfield Beach, Fl. 33441

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: "351 Series" Outswing Aluminum Entrance Door w/wo Transom –LMI

APPROVAL DOCUMENT: Drawing No. **AD-15-23**, titled "351 Series Alum Outswing Door w/wo Transom-L.M. Impact", sheets 1 through 11 of 11, dated JUN 02, 2015, prepared , signed and sealed by Yiping Wang , 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 Section.

MISSILE IMPACT RATING: Large and Small Impact

Limitations:

1. See applicable Door Design Pressure, anchors & hardware options in sheet **1** and water limitations in sheet **4** &**5**.
2. See applicable Door w/ Transom's Design Pressure (DP), anchors & hardware options in sheets **2**. When transom detail **B/5** the max frame height allowed is 120" including Max. 24" Transom. The transom glazing adapter items **#17** or **#36** to be secured with #12 SMS screws at 12" OC max.
3. Lower DP shall control, when doors w/wo transom is mulled to Storefront (under Separate approval), Full length Steel reinforcement is required, the tributary load, the mullion end anchors to be reviewed by Bldg. official.

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

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY APPROVED

6/3/15

NOA No. 14-0225.02
Expiration Date: June 04, 2020
Approval Date: June 04, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **AD-15-23**, titled "351 Series Alum Outswing Door w/wo Transom-L.M. Impact", sheets 1 through 11 of 11, dated JUN 02, 2015, prepared, signed and sealed by Yiping Wang, 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 an outswing aluminum entrance door w/wo Transoms, prepared by Fenestration Testing Lab, Test Report No(s). **FTL 7458,** dated 10/15/13, signed and sealed by Marlin D. Brinson, P.E.
Note: The above test reports have addendum letter dated April 09, 2014, issued by Fenestration Testing lab, signed and sealed by Marlin D. Brinson, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC2014, prepared by MCY Engineering, Inc., dated FEB 15, 2015 and last revised on 04/28/15, signed and sealed by Yiping Wang, P.E.
2. Glazing complies w/ ASTME-1300-02 & -04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ®**", expiring on 01/14/17
2. Technical cut sheet of EPDM glazing gasket compliance per ASTMC-864 issued to Teremco, Inc by Excel Polymers, LLC (Development Lab).

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (5th Edition) and no financial interest, prepared by MCY Engineering, Inc., dated NOV 19, 2014, signed and sealed by Yiping Wang, P.E.
2. Statement letter of Lab compliance, part of above referenced test reports.

G. OTHER

1. Test Proposal # **12-1089** dated DEC 10, 2012, issued by PERA.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 14-0225.02
Expiration Date: June 04, 2020
Approval Date: June 04, 2015

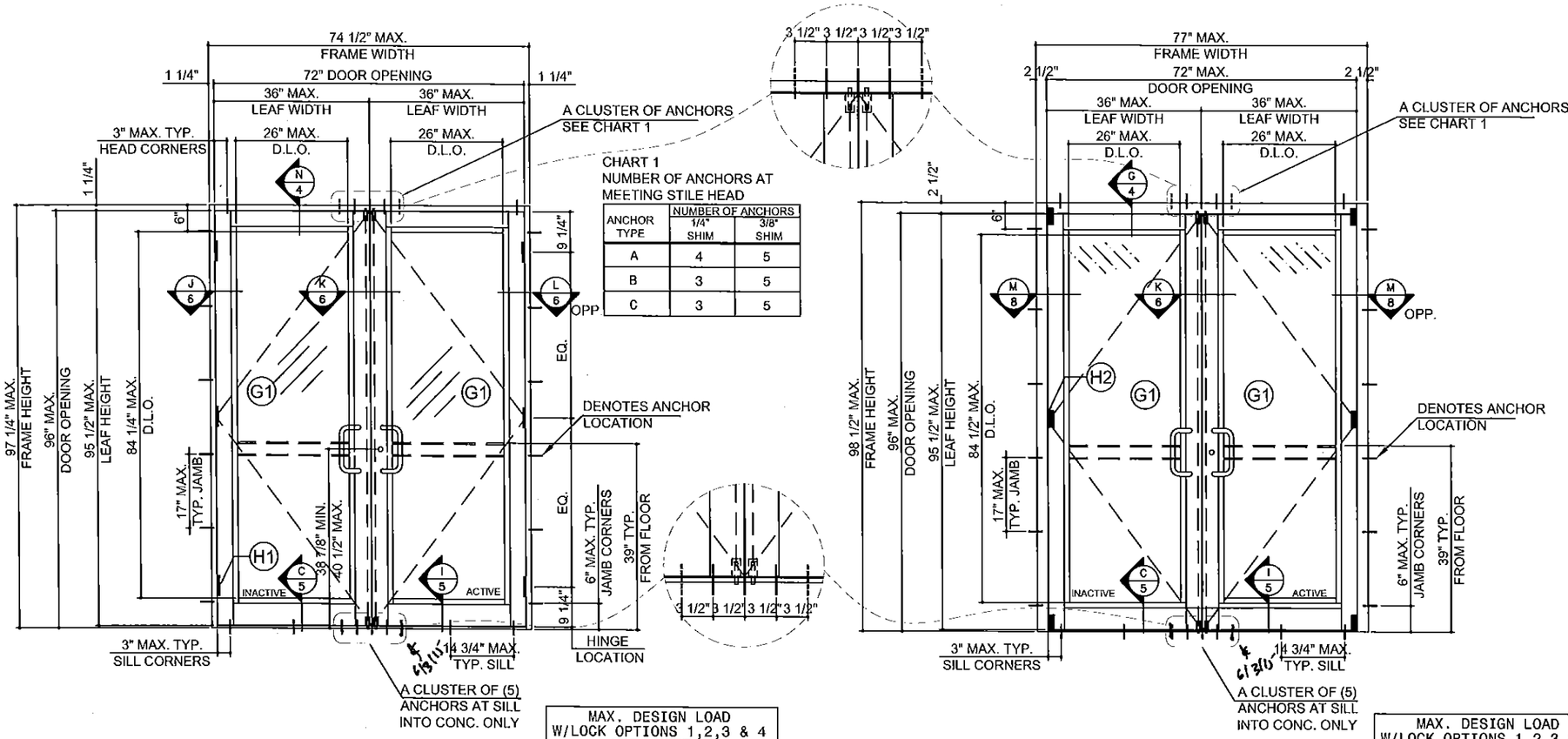


CHART 1
NUMBER OF ANCHORS AT MEETING STILE HEAD

ANCHOR TYPE	NUMBER OF ANCHORS 1/4" SHIM	3/8" SHIM
A	4	5
B	3	5
C	3	5

OUTSWING DOOR 72"x96" MAX. DOUBLE DOOR
WITH 3000 SERIES FRAME
OPENING WITH LOCK OPTIONS 1, 2, 3 & 4
TYPICAL EXTERIOR ELEVATION

MAX. DESIGN LOAD W/LOCK OPTIONS 1,2,3 & 4 (SEE SHEET 3)
+ 70* PSF
- 70 PSF

*SEE SHEET 4 & 5 FOR WATER RATING

OUTSWING DOOR 72"x96" MAX. DOUBLE DOOR
WITH 5000 SERIES FRAME
OPENING WITH LOCK OPTION 1, 2, 3 & 4
TYPICAL EXTERIOR ELEVATION

MAX. DESIGN LOAD W/LOCK OPTIONS 1,2,3 & 4 (SEE SHEET 3)
+ 70* PSF
- 70 PSF

*SEE SHEET 4 & 5 FOR WATER RATING

SERIES 351 LARGE MISSILE IMPACT DOOR

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2014 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED LARGE MISSILE IMPACT. SHUTTERS OR EXTERNAL PROTECTION DEVICES IS NOT REQUIRED.
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-10, MULTIPLY BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THE DOCUMENT.
- FOR WATER INFILTRATION RATINGS, SEE LIMITATION ON SHEET 4 & 5.
- 1X OR 2X WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE, TO BE REVIEWED BY BUILDING OFFICIAL.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2014 FLORIDA BUILDING CODE SECTION AS APPLICABLE.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- LIMITATION:
  WHEN DOORS OR DOOR WITH TRANSOM ARE MULLED TO STOREFRONT (UNDER SEPARATE APPROVAL) LOWER DESIGN PRESSURE FROM DOOR, DOOR WITH TRANSOM OR STOREFRONT SHALL CONTROL FOR THE ENTIRE ASSEMBLY.
- WHERE APPLICABLE:
  EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

Approved as complying with the
Florida Building Code
Date JUN 04, 2015
NOA# 14-0225.02
Miami Dade Product Control
By

Trulite
GLASS & ALUMINUM SOLUTIONS™
http://www.trulite.com
800 FAIRWAY DRIVE, Suite 200
DEERFIELD BEACH, FL 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:
351 SERIES ALUM OUTSWING DRY-GLAZED DOORS
W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

REVN	DATE/REMARKS

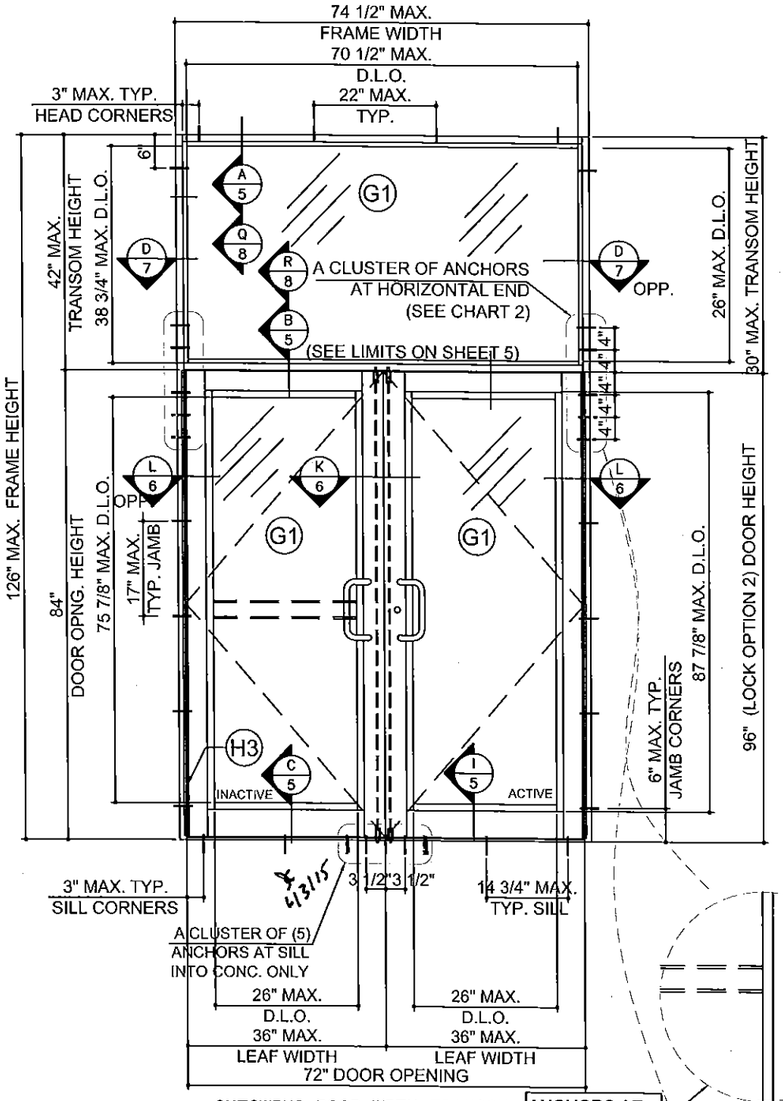
ENGINEER:
MCY ENGINEERING, INC.
GLAZING CONSULTANT
8501 SW 124 Ave. Ste. 205A
MIAMI, FL 33183
P: 305-271-0117
Email: MCY.Engineering@att.net
www.MCYEngineering.com

STAMP:
YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677
No. 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JUN 02 2015

PRODUCT CONTROL APPROVAL:

DRAWN: FRANK	DRAWING No:
DATE: 03-24-15	1 OF 11
DWG: AD15-23	



OUTSWING DOOR WITH TRANSOM
W/3 POINT LOCK OPTION 4
TYPICAL EXTERIOR ELEVATION

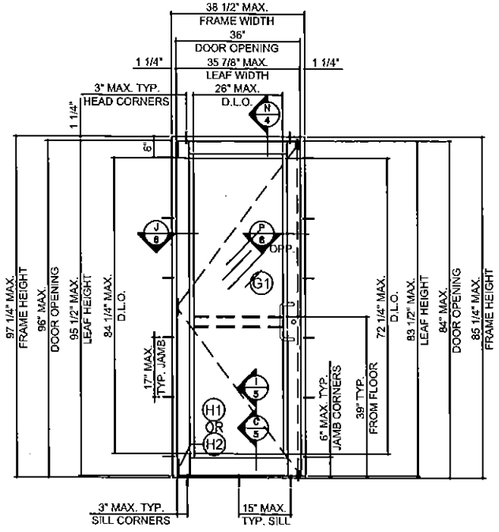
ANCHORS AT TRANSOM END, SEE CHART 2

MAX. DESIGN LOAD W/3 POINT LOCK OPTIONS 4 (SEE SHEET 3)
+ 70* PSF
- 70 PSF

*SEE SHEET 4 & 5 FOR WATER RATING

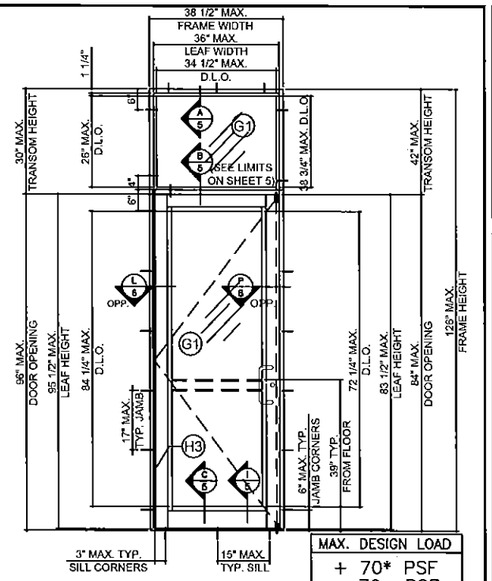
CHART 2
NUMBER OF ANCHORS
AT TRANSOM END

ANCHOR TYPE	NUMBER OF ANCHORS	
	1/4" SHIM	3/8" SHIM
A	5	5
B	5	5
C	3	5



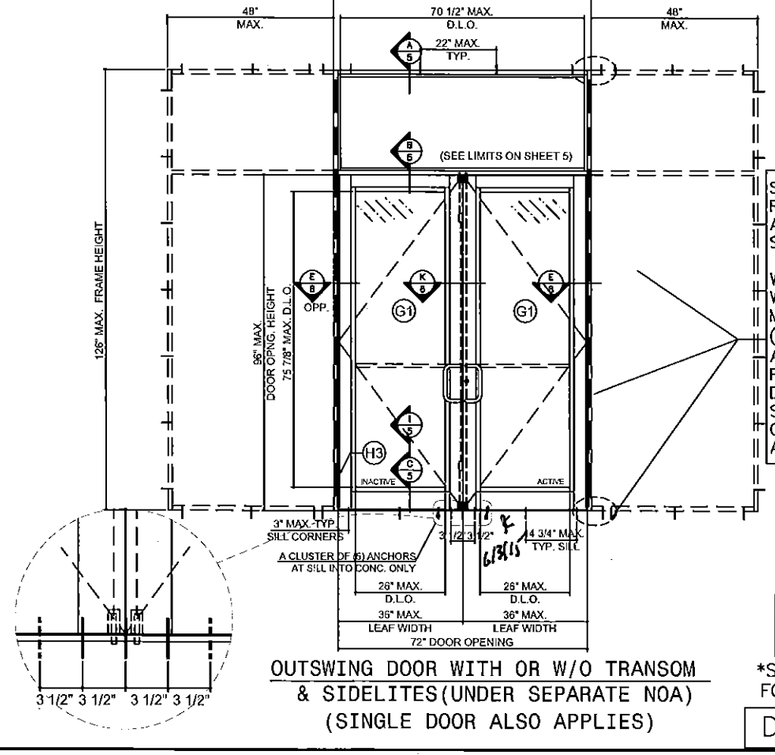
OUTSWING SINGLE DOOR
ELEVATION

MAX. DESIGN LOAD
+ 70* PSF
- 70 PSF



MAX. DESIGN LOAD
+ 70* PSF
- 70 PSF

OUTSWING SINGLE DOOR WITH TRANSOM
ELEVATION *SEE SHEET 4 & 5 FOR WATER RATING



OUTSWING DOOR WITH OR W/O TRANSOM
& SIDELITES(UNDER SEPARATE NOA)
(SINGLE DOOR ALSO APPLIES)

SIDELITE, MULLION REINFORCEMENT AND ANCHORS REFER TO SEPARATE NOA.

WHEN DOORS OR DOOR WITH TRANSOM ARE MULLED TO STOREFRONT (UNDER SEPARATE APPROVAL) LOWER DESIGN PRESSURE FROM DOOR, DOOR WITH TRANSOM OR STOREFRONT SHALL CONTROL FOR THE ENTIRE ASSEMBLY.

MAX. DESIGN LOAD
+ 70* PSF
- 70 PSF

*SEE SHEET 4 & 5 FOR WATER RATING

DOOR OPTIONS

Approved as complying with the Florida Building Code
Date 6/4/15
NOA# 14-0225.02
Miami Dade Product Control
By Ishaq I. Chanda

JUN 02 2015

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PRODUCT:

351 SERIES ALUM OUTSWING DRY-GLAZED DOORS

W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

REVN	DATE/REMARKS

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT
8501 SW 124 Ave. Ste. 205A
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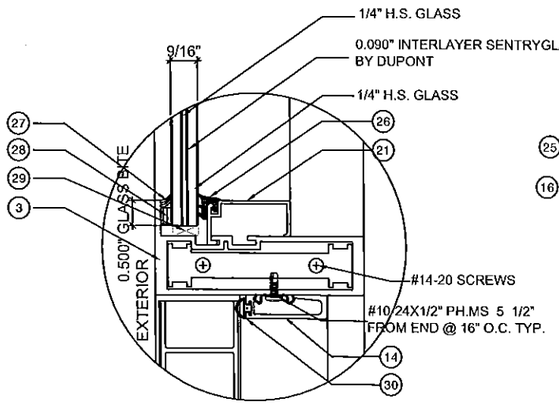
STAMP:

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677
No. 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER

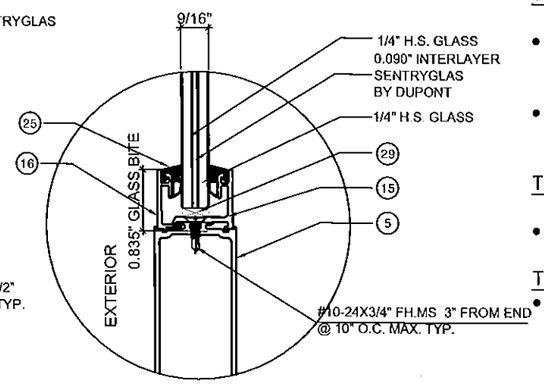
PRODUCT CONTROL APPROVAL:

By _____

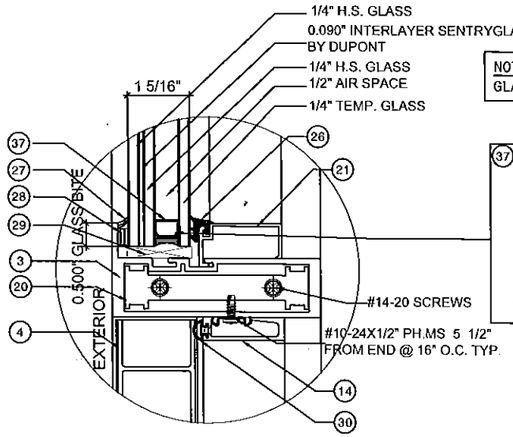
DRAWN: FRANK	DRAWING No:
DATE: 03-24-15	2 OF 11
DWG: AD15-23	



G1 9/16" TOTAL LAMINATED GLASS THICKNESS AT TRANSOM



G1 9/16" LAMINATED GLASS GLAZING DETAIL DOOR LEAF (ACT/INACT)



G2 1 5/16" TOTAL INSULATED LAMINATED GLASS THICKENSS AT TRANSOM

NOTE:
GLAZING COMPLIES WITH ASTM E1300-09.

(37) SPACER:
½" AIR SPACE WITH AN ALUMINUM SERIES LPXC SPACER BY ALL METAL INC. AROUND THE PERIMETER OF GLASS.
PRIMARY SEALANT:
PIB - POLYISOBUTYLENE
SECONDARY SEALANT:
SILICONE SEALANT

SETTING BLOCK:
TWO BLOCK PER DOOR LITE
THREE BLOCK PER TRANSOM LITE

HINGES: REFER TO DETAILS (H1) (H2) & (H3) ON SHEET 7 OF 11

HINGE OPTION 1: (32) H1: 4 1/2" BUTT HINGE (26298)
9 1/4" FROM TOP & BOTTOM

HINGE OPTION 2: (31) H2: OFFSET CAST ALUMINUM PIVOT HINGES
TOP (21274)
BOTTOM (21273)
MIDSPAN (2456x)

HINGE OPTION 3: (33) H3: CONTINUOUS ALUMINUM GEAR (60095)

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 1/4" DIA. ULTRACON (Fu=177 ksi Fy=120 ksi)
OR 1/4" DIA. TAPCON (Fu=120 ksi Fy=92 ksi)
- THRU 1BY OR 2BY WOOD BUCKS
  1-1/4" MIN. EMBED INTO CONC.@ HEAD/SILL
  1-1/4" MIN. EMBED INTO CONC./MASONRY @ JAMB
- INTO 2X WOOD BUCKS OR WOOD STRUCTURAL
  1-1/2" MIN. EMBED @ HEAD AND JAMB

TYPE B: 1/4" DIA. ULTRACON (Fu=177 ksi Fy=120 ksi)
OR 1/4" DIA. TAPCON (Fu=120 ksi Fy=92 ksi)
- DIRECTLY INTO CONCRETE 1-1/4" MIN. EMBED @ HEAD/SILL
  1-1/4" MIN. EMBED INTO CONC./MASONRY @ JAMB

TYPE C: 1/4" TEK OR SELF DRILLING SCREWS(GRADE 5 FU=120ksi FY=92ksi)
- INTO METAL STRUCTURES (HEAD/JAMB)
  STEEL : 1/8" MIN. THICKNESS (Fy = 36 ksi MIN.)
  ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
  (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

MIN. EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2 1/2"
INTO WOOD STRUCTURE = 1 1/2"
INTO METAL STRUCTURE = 1"
CONCRETE f'c = 3000 PSI MIN.
MASONRY C-90 f'c = 2000 PSI MIN.

Approved as complying with the Florida Building Code
Date 6/4/15
NOA# 14-0227.02
Miami Dade Product Control
By

SEALANTS:

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH CLEAR SEALANT.

LOCKS:

LOCK OPTION 1(ACTIVE/INACTIVE PANEL): AHT 8000 CVR TWO POINT LOCK SYSTEM WITH STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC INTERIOR PANIC DEVICE AND REGENT KEY OPERATOR ON THE EXTERIOR

LOCK OPTION 2(ACTIVE/INACTIVE PANEL): FALCON DOOR-O-MATIC 1690 CVR TWO POINT LOCK SYSTEM WITH STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC PANIC DEVICE ON THE INTERIOR

LOCK OPTION 3(ACTIVE/INACTIVE PANEL): VON DUPRIN 9947 CVR TWO POINT LOCK SYSTEM WITH TOP/BOTTOM STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC PANIC DEVICE ON THE INTERIOR AND SCHLAGE STANDARD KEY OPERATOR ON THE EXTERIOR

LOCK OPTION 4:
INACTIVE PANEL: ADAMS RITE MS1880, MS1881 CONCEALED TWO POINT LOCK SYSTEM WITH VERTICAL ROD AND STRIKE PLATES. THUMB TURN ON THE INTERIOR CAN NOT APPLY TO SINGLE PANEL DOOR
ACTIVE PANEL: ADAMS RITE W/AR4016 TOP ROD & AR4015 BOTTOM ROD WITH STRIKE PLATE, CONCEALED THREE POINT LOCK SYSTEM WITH ILCO185 EIGHT PLY HOOK LOCK, KEY OPERATOR ON THE EXTERIOR AND THUMB TURN ON THE INTERIOR

1X OR 2X WOOD BUCKS AND METAL STRUCTURES BY OTHERS MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEMS AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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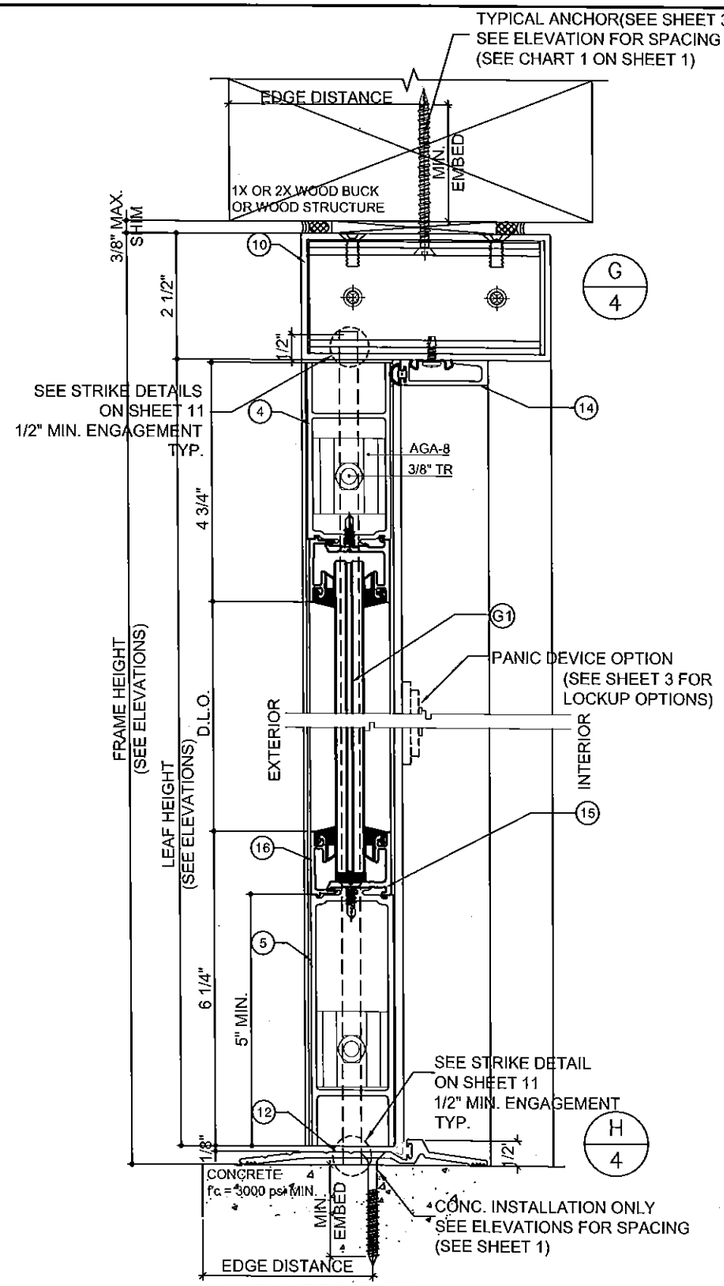
JUN 02 2015

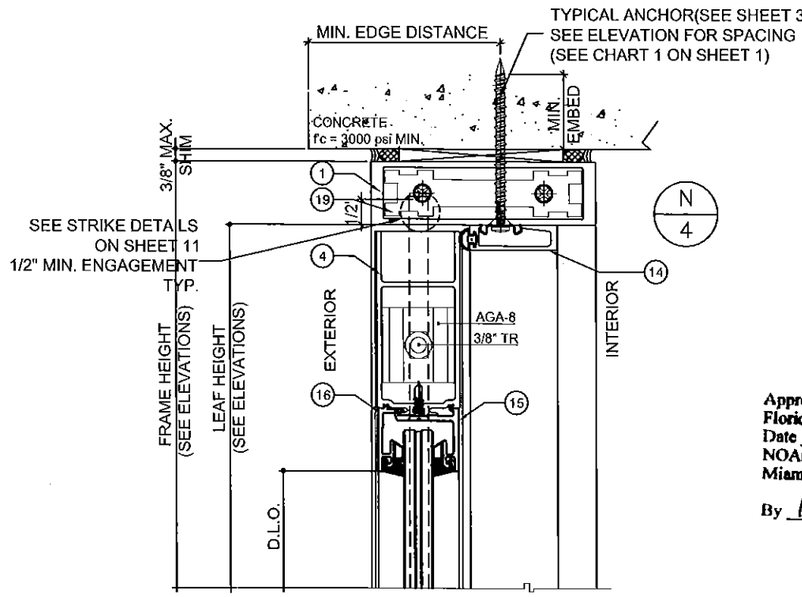
PRODUCT CONTROL APPROVAL:

DRAWN: FRANK	DRAWING No:
DATE: 03-24-15	3 OF 11
DWG: AD15-23	



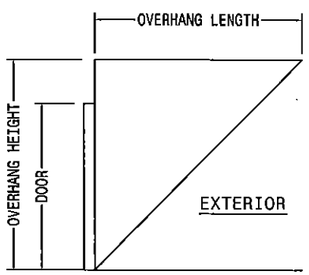
5" BUMPER THRESHOLD
(LIMITED WATER RESISTANCE)

NOTE: ADA COMPLIANT TO BE REVIEWED BY BUILDING OFFICIAL
INSTALL WHERE WATER INFILTRATION IS LESS THAN 5 PSF
(POSITIVE LOAD ≤ 33.3 PSF) OR WHERE WATER INFILTRATION IS
NOT REQUIRED OR MEET NOTE #1 ON RIGHT.



TREMCO'S EPDM GASKETS USED IN THIS FENESTRATION
PRODUCT ARE IN COMPLIANCE WITH ASTM STANDARD C864

NOTE #1:
UNITS WHERE WATER INFILTRATION IS REQUIRED MUST BE INSTALLED AT LOCATIONS PROTECTED BY AN OVERHANG MEETING CRITERIA AS PER ILLUSTRATION BELOW OR IN NON-HABITABLE AREAS WHERE WATER INFILTRATION IS ACCEPTABLE. IT IS APPLIED TO 4" NON-WATER RATING SADDLE THRESHOLD (DETAIL C/5). AND 4"(DETAIL I/5) OR 5"(DETAIL H/4) BUMPER THRESHOLD FOR WATER INFILTRATION REQUIRE HIGHER THAN 5 PSF (≤33.3 PSF)



$$\text{OH RATIO} = \frac{\text{OVERHANG LENGTH}}{\text{OVERHANG HEIGHT}} \geq 1$$

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Miami Dade Product Control
By Ishaq I. Chanda

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W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

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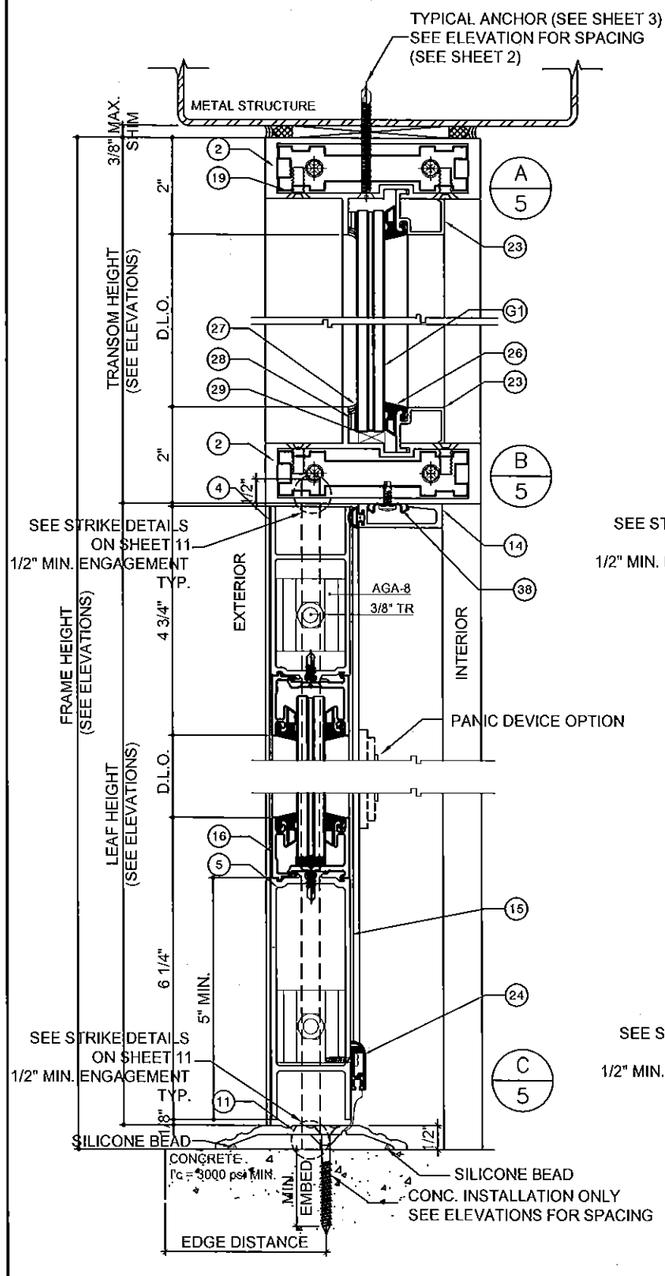
GLAZING CONSULTANT
8501 SW 124 Ave. Ste. 205A
MIAMI, FL 33183
P: 305-271-0117
Email: MCY.Engineering@att.net
www.MCYEngineering.com

STAMP:
YIPING WANG
LICENSE
No. 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER
YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

JUN 02 2015

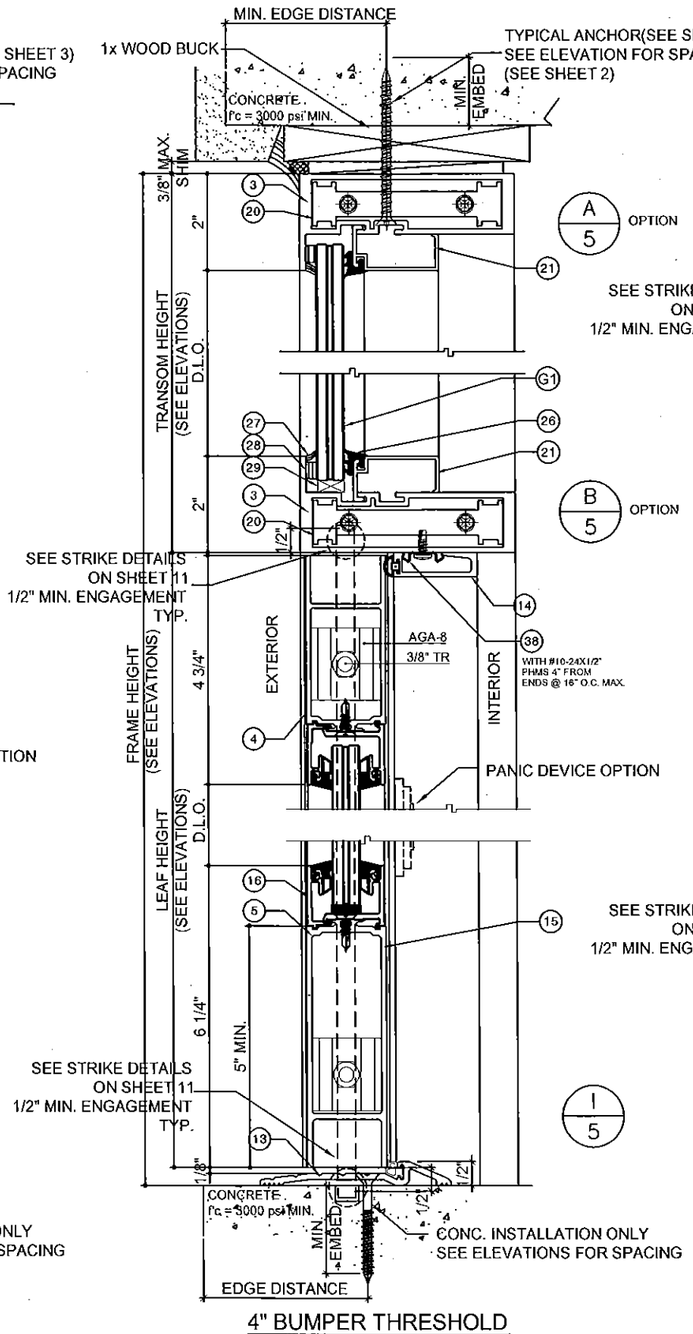
PRODUCT CONTROL APPROVAL:

DRAWN: FRANK	DRAWING No:
DATE: 03-24-15	**4 OF 11**
DWG: AD15-23	



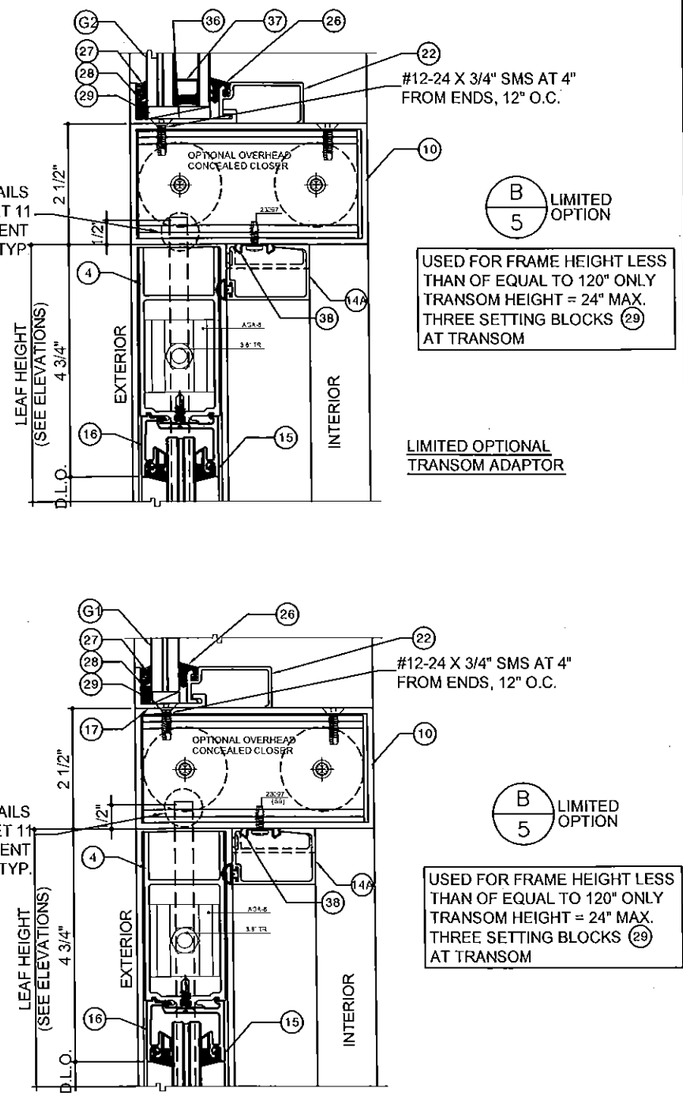
4" ADA SADDLE THRESHOLD
(NON-WATER RATING)

NOTE: ADA COMPLIANT TO BE REVIEWED BY BUILDING OFFICIAL. INSTALL WHERE WATER INFILTRATION IS NOT REQUIRED OR MEET NOTE #1 ON SHEET 4 OF 11.



4" BUMPER THRESHOLD
(LIMITED WATER RESISTANCE)

NOTE: ADA COMPLIANT TO BE REVIEWED BY BUILDING OFFICIAL. INSTALL WHERE WATER INFILTRATION IS LESS THAN 5 PSF (POSITIVE LOAD ≤ 33.3 PSF) OR WHERE WATER INFILTRATION IS NOT REQUIRED OR MEET NOTE #1 ON SHEET 4 OF 11.



USED FOR FRAME HEIGHT LESS THAN OF EQUAL TO 120" ONLY
TRANSOM HEIGHT = 24" MAX.
THREE SETTING BLOCKS (29) AT TRANSOM

LIMITED OPTIONAL TRANSOM ADAPTOR

USED FOR FRAME HEIGHT LESS THAN OF EQUAL TO 120" ONLY
TRANSOM HEIGHT = 24" MAX.
THREE SETTING BLOCKS (29) AT TRANSOM

Approved as complying with the Florida Building Code
Date 6/4/15
NOA# 14-0225.02
Miami Dade Product Control
By

Trulite
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http://www.trulite.com
800 FAIRWAY DRIVE, Suite 200
DEERFIELD BEACH, Fl. 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:
351 SERIES ALUM OUTSWING DRY-GLAZED DOORS
W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

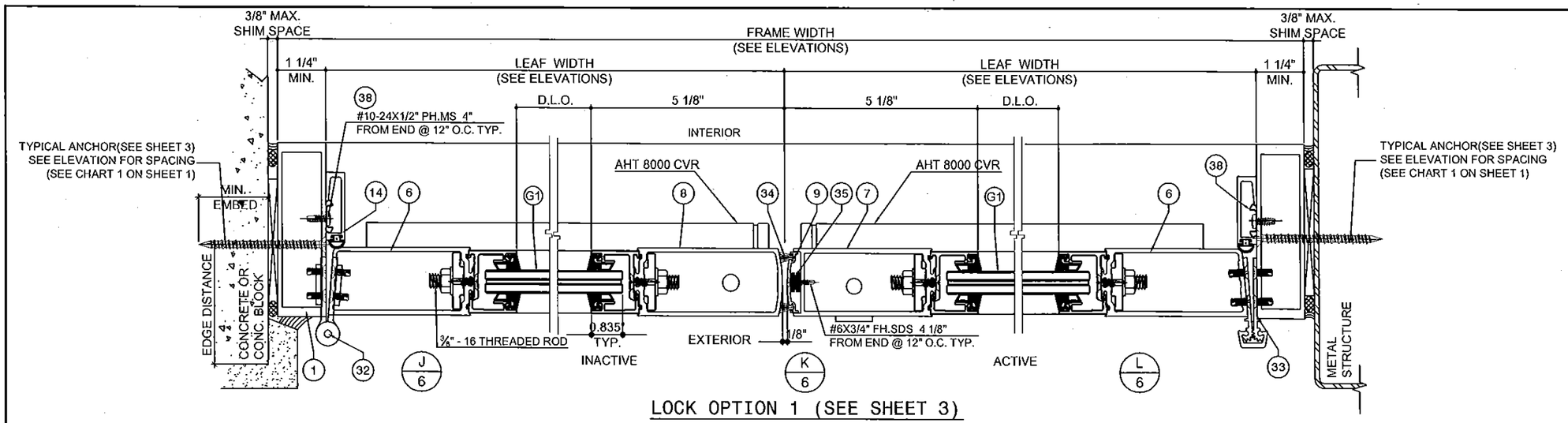
REVN	DATE/REMARKS

ENGINEER:
MCY ENGINEERING, INC.
GLAZING CONSULTANT
8501 SW 124 Ave. Ste. 205A
MIAMI, FL 33183
P: 305-271-0117
Email: MCY Engineering@alt.net
www.MCYEngineering.com

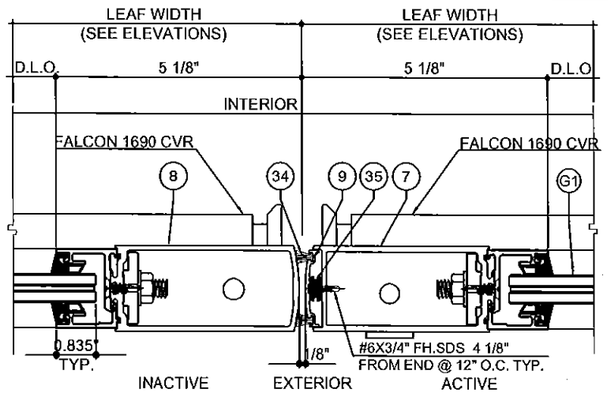
STAMP:
YIPING WANG, P.E.
FLORIDA REGISTRATION
P.E. No. 55983
C.A.N. 26677
YIPING WANG LICENSE No. 55983 STATE OF FLORIDA PROFESSIONAL ENGINEER

PRODUCT CONTROL APPROVAL:
JUN 02 2015

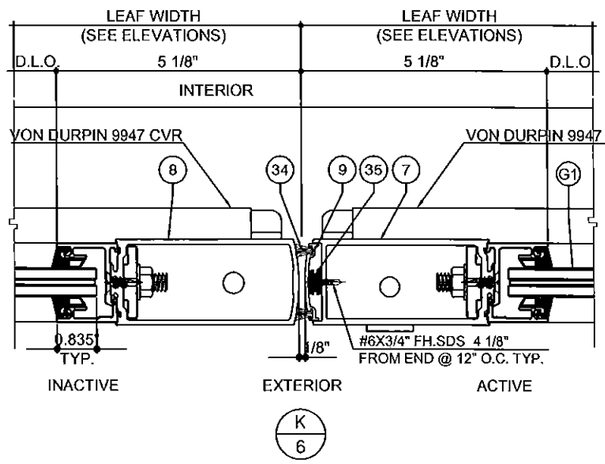
DRAWN: FRANK	DRAWING No:
DATE: 03-24-15	5 OF 11
DWG: AD15-23	



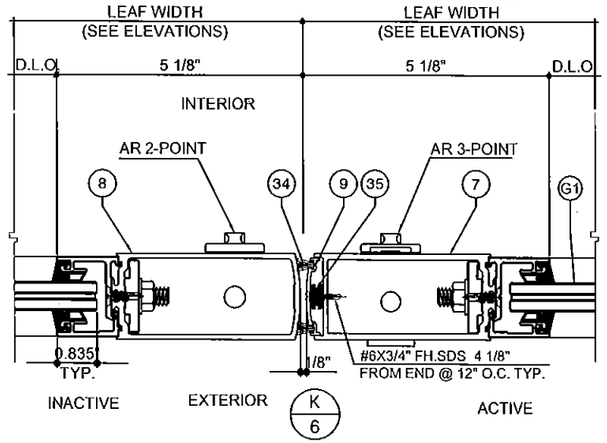
LOCK OPTION 1 (SEE SHEET 3)



LOCK OPTION 2 (SEE SHEET 3)



LOCK OPTION 3 (SEE SHEET 3)



LOCK OPTION 4 (SEE SHEET 3)

Approved as complying with the Florida Building Code
Date 6/4/15
NOA# 14-0225.02
Miami Dade Product Control
By Ishay L. Chanes

NOTE:
1- THE DOOR OR DOOR WITH TRANSOM WILL QUALIFY TO BE INSTALLED INTO REINFORCED STOREFRONT(SEE SHEET 2 AND DETAIL E/8).
2- REINFORCED STOREFRONT AND END ANCHORS REFER TO SEPARATE NOA, TO BE REVIEWED BY BUILDING OFFICIAL.

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PRODUCT:

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W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

REVN	DATE/REMARKS

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P: 305-271-0117
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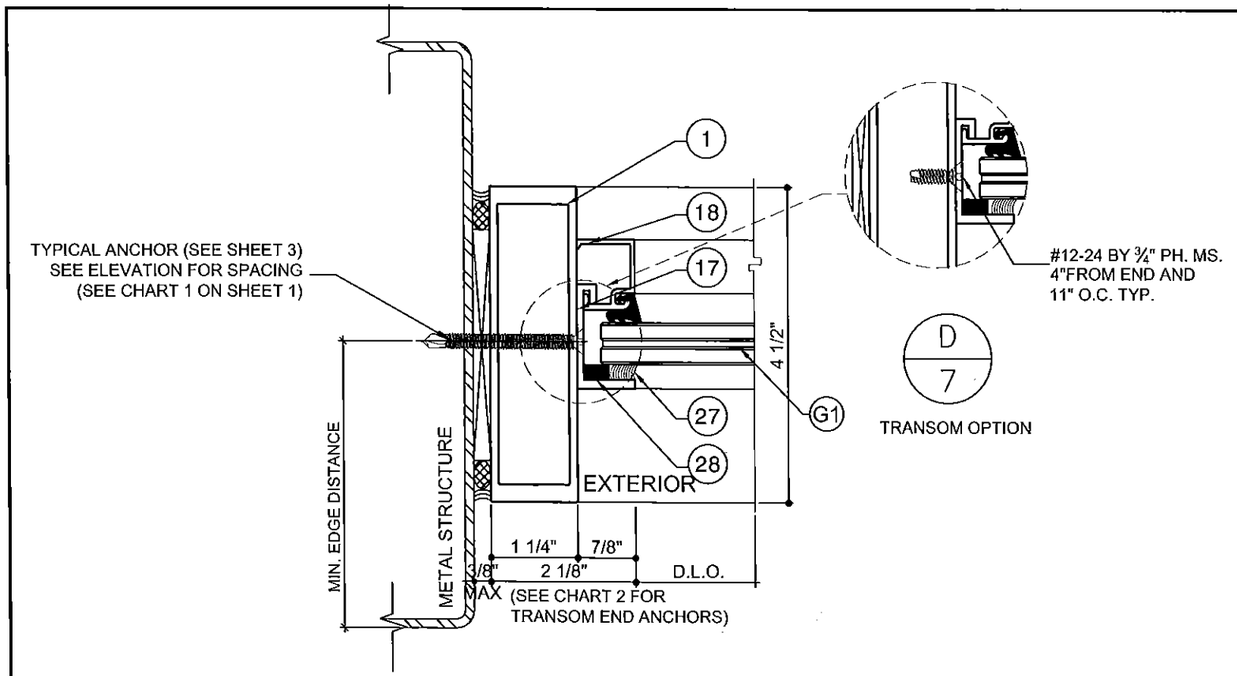
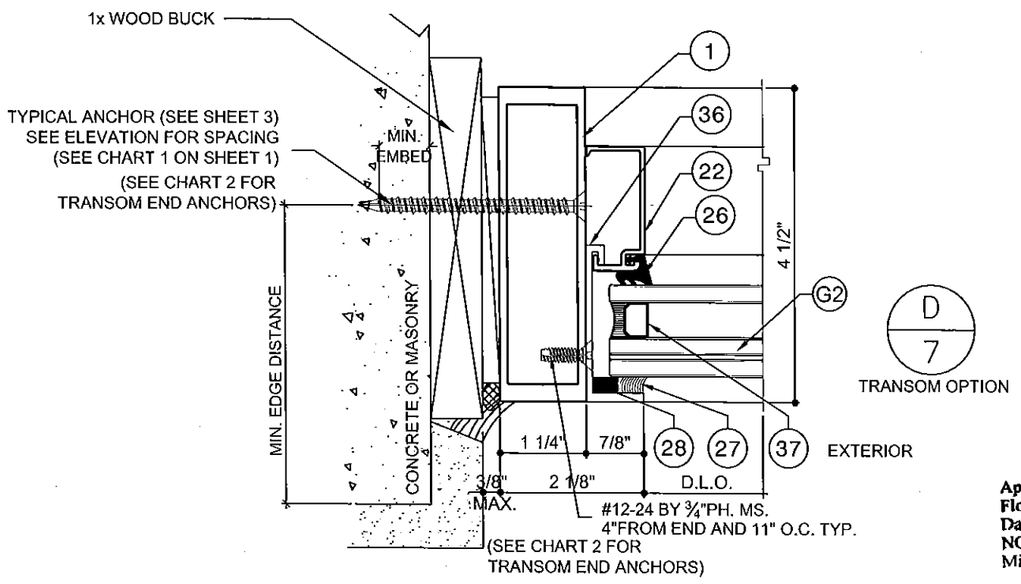
C.A.N. 28677
LICENSED
No. 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PRODUCT CONTROL APPROVAL:
JUN 02 2015

DRAWN: FRANK	DRAWING No:
DATE: 03-24-15	6 OF 11
DWG: AD15-23	





Approved as complying with the Florida Building Code
Date 6/4/13
NOA# 14-0225.02
Miami Dade Product Control
By

NOTE:
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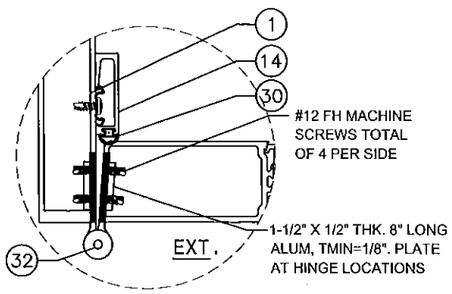
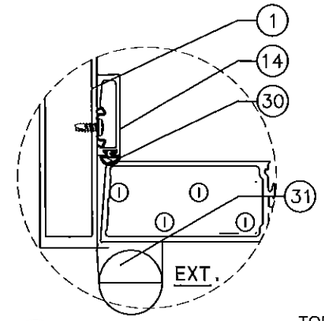
3- SEE NOTES ON SHEET 1 AND 2 FOR DESIGN PRESSURE LIMITATIONS.

NOTE: HINGES SHOWN ARE IMAGE ONLY.



H1 HINGE OPTION 1: (26298)
4-1/2" STEEL BUTT HINGE

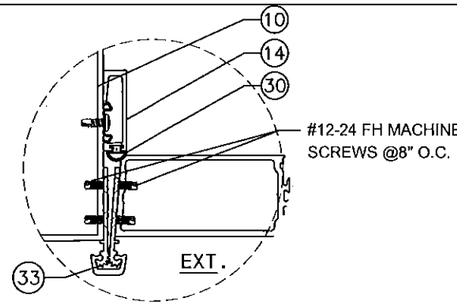
(SEE SHEET 3 FOR LOCATION)



H2 HINGE OPTION 2:
OFFSET PIVOT HINGE

TOP (21274)
BOTTOM (21273)
MIDSPAN (2456x)

(SEE SHEET 3 FOR LOCATION)



H3 HINGE OPTION 3: (6009X)
CONCEALED ALUM. CONTINUOUS GEARED HINGE

(SEE SHEET 3 FOR LOCATION)

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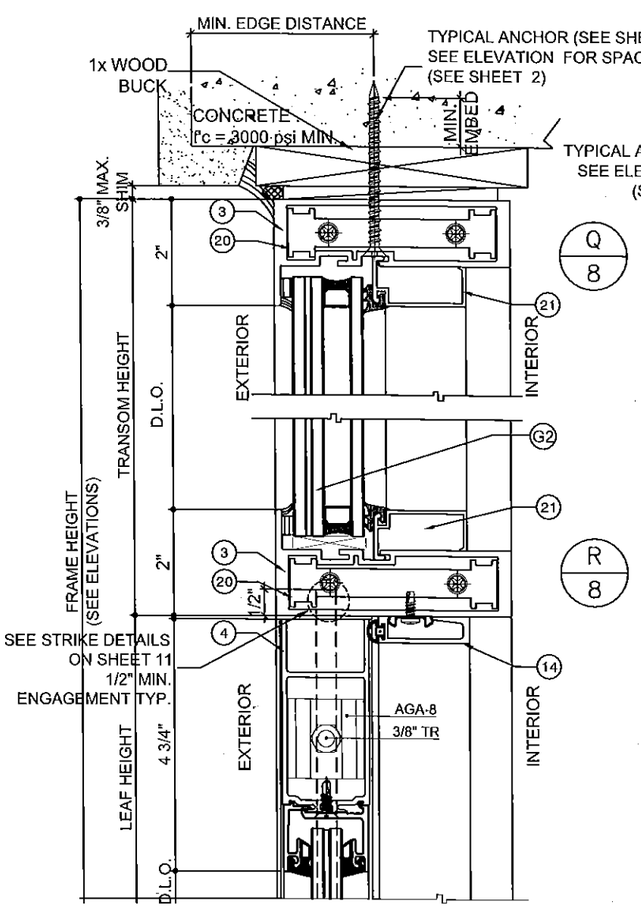
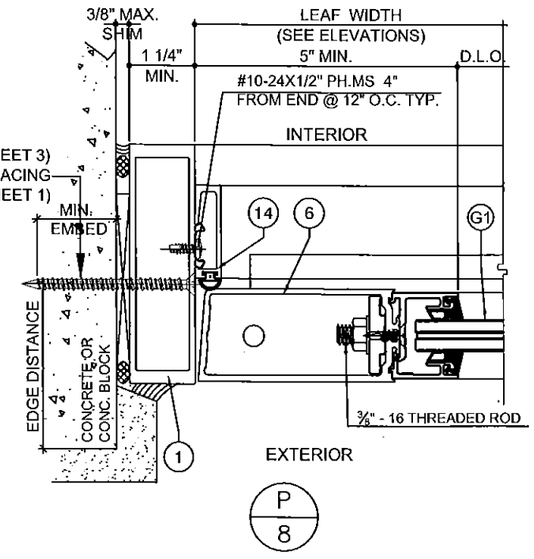
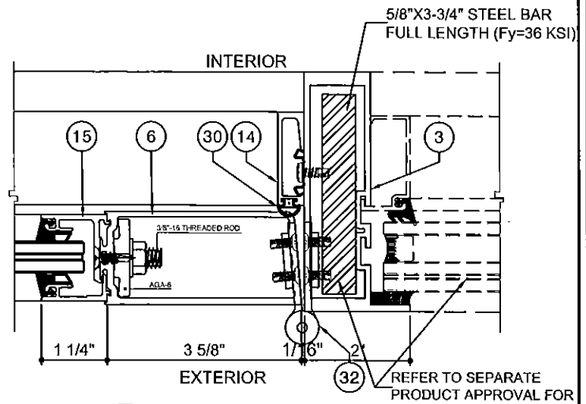
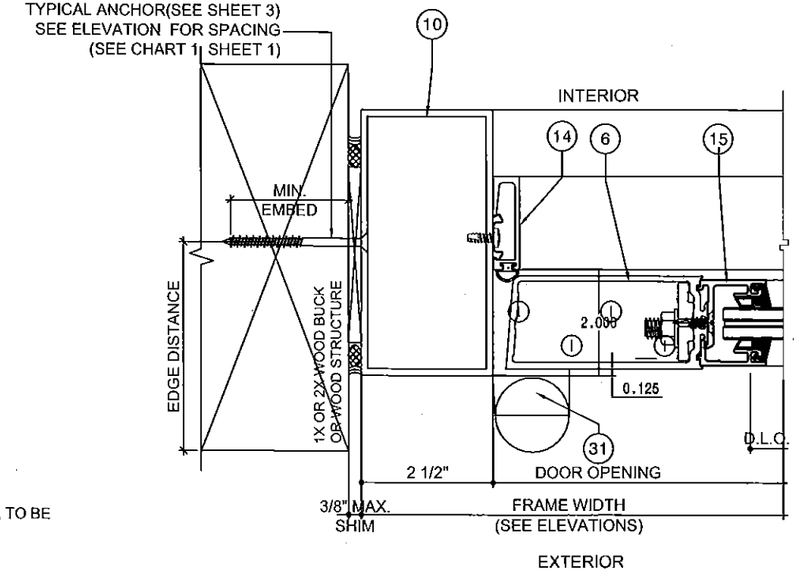






NOTE:
END LOAD, ANCHORS TO BE REVIEWED BY AHJ



M
8
APPLICABLE TO SINGLE AND DOUBLE DOORS

NOTE:
1- THE DOOR OR DOOR WITH TRANSOM WILL QUALIFY TO BE INSTALLED INTO REINFORCED STOREFRONT(SEE SHEET 2 AND DETAIL E/8).
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3- SEE NOTES ON SHEET 1 AND 2 FOR DESIGN PRESSURE LIMITATIONS.

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Miami-Dade Product Control
By Ishaq I. Chanda

JUN 02 2015

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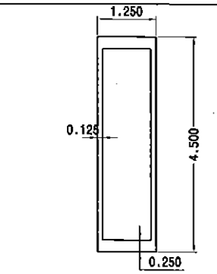
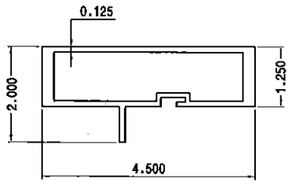
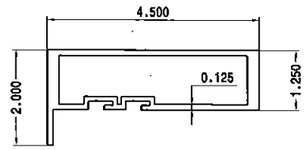
DATE: 03-24-15	**8 OF 11**
DWG: AD15-23	



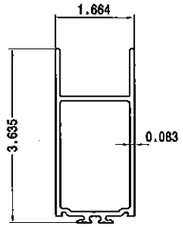
1 SYS 3000 TUBE(1 1/4"X4 1/2") 6063-T6
DOOR HEADER/SILL JAMB



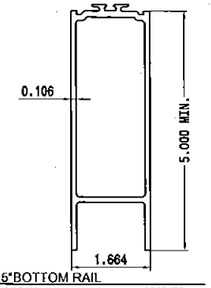
2 SYS 3000 JAMB MEMBER 6063-T6
TRANSOM BAR/TRANSOM HEADER/JAMB



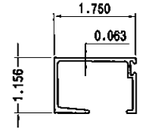
3 SYS 3100 JAMB MEMBER 6063-T5
TRANSOM BAR/TRANSOM HEADER/JAMB



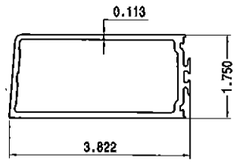
4 3 1/2" TOP RAIL
26015 6063-T5



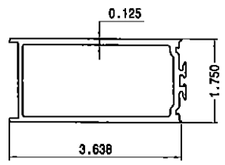
5 5"BOTTOM RAIL
26364 6063-T5



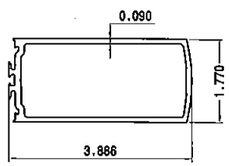
4A OPTIONAL DOOR STOP
44013 6063-T5



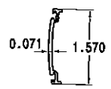
6 BEVEL HINGE STILE
26366 6063-T5



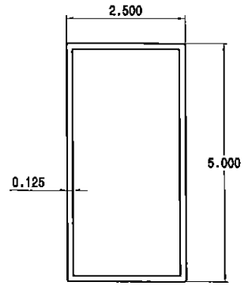
7 MEETING STILE-ACTIVE
26378 6063-T5



8 MEETING STILE-INACTIVE
26371 6063-T5



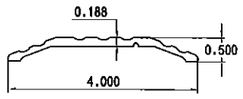
9 ASTRAGAL PLATE
26375 6063-T6



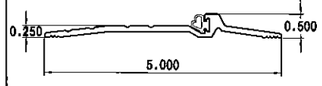
10 ALUMINUM TUBE
DOOR HEAD / SIDE JAMB 6063-T5

1 1/8" LONG x 0.015" THK.
DOOR STOP CLIP
W/ #10X1/2" PHMS
6" FROM ENDS AND 12"OC

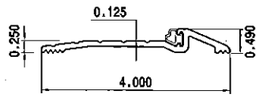
38 DOOR STOP CLIP - 1 1/8" LONG
H67



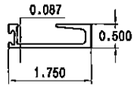
NON-WATER RATED
11 4" SADDLE THRESHOLD
40290/ AGA427 6063-T5



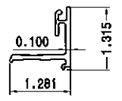
LIMITED WATER RATING
12 5" BUMPER THRESHOLD
2005A 6063-T5



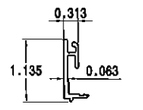
LIMITED WATER RATING
13 4" BUMPER THRESHOLD
1042(DIE:#AGA535) 6063-T5



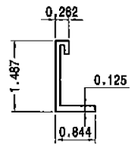
14 DOOR STOP
10029(AR-1046A) 6063-T5



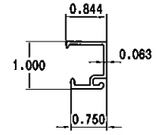
15 INTERIOR DOOR ADAPTOR
26031 6063-T5



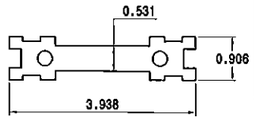
16 EXTERIOR DOOR ADAPTOR
26032 6063-T5



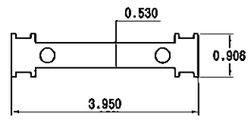
17 ADAPTOR-9/16" GLS
3008 6063-T6



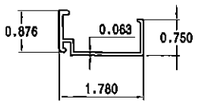
18 GLAZING ADAPTOR
3009 6063-T5



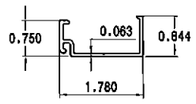
19 SYS 3000 SHEAR CLIP
3004 6063-T5



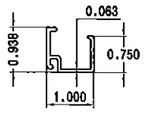
20 SYS 3100 SHEAR CLIP
3104 6063-T5



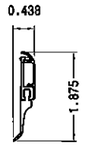
21 SYS 3100 GLASS ADAPTOR
3103 6063-T5



22 GLAZING ADAPTOR
3109 6063-T5



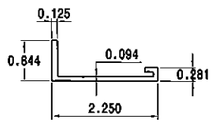
23 GLAZING ADAPTOR
3003 6063-T5



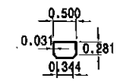
24 DOOR BOTTOM SWEEP ASSEMBLY
25047

25 EPDM GLAZING GASKET
RG-15

26 EPDM GLAZING GASKET
RG-1



36 GLAZING ADAPTOR FOR 1-5/16" GLASS
3108 6063-T5



37 ALUM. INSULATED SPACER
1122 6063-T5

Trulite
GLASS & ALUMINUM SOLUTIONS™
http://www.trulite.com
800 FAIRWAY DRIVE, Suite 200
DEERFIELD BEACH, FL 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

351 SERIES ALUM OUTSWING DRY-GLAZED DOORS

W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

REVN	DATE/REMARKS

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT
8501 SW 124 Ave. Ste. 205A
MIAMI, FL 33183
P: 305-271-0117
Email. MCY.Engineering@att.net
www.MCYEngineering.com

STAMP:

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.No. 28677
LICENSE No. 55983 STATE OF FLORIDA PROFESSIONAL ENGINEER

PRODUCT CONTROL APPROVAL:
JUN 02 2015

Approved as complying with the Florida Building Code
Date 6/4/15
NOA# 14-0225.02
Miami Dade Product Control
By

DRAWN: FRANK	DRAWING No:
DATE: 03-24-15	9 OF 11
DWG: AD15-23	

BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION	MATERIAL	SUPPLIER/MANUF.
1	3000	3000 DOOR HEADER/SILL JAMB	ALUM. 6063-T6	BONNELL
2	3001	3000 TRANSOM BAR/TRANSOM HEADER/JAMB	ALUM. 6063-T6	BONNELL
3	3101	3100 TRANSOM BAR/TRANSOM HEADER/JAMB	ALUM. 6063-T5	BONNELL
4	26015	3 1/2" TOP RAIL	ALUM. 6063-T5	BONNELL
5	26364	5"BOTTOM RAIL	ALUM. 6063-T5	BONNELL
6	26366	BEVEL HINGE STILE	ALUM. 6063-T5	BONNELL
7	26378	MEETING STILE-ACTIVE	ALUM. 6063-T5	BONNELL
8	26371	MEETING STILE-INACTIVE	ALUM. 6063-T5	BONNELL
9	26375	ASTRAGAL PLATE	ALUM. 6063-T6	BONNELL
10	50513	5000 DOOR HEADER/SIDE JAMB	ALUM. 6063-T5	BONNELL
11	40290 (AGA427)	4"SADDLE THRESHOLD	ALUM. 6063-T5	BONNELL
12	2005V	5"BUMPER THRESHOLD	ALUM. 6063-T5	PEMKO
13	1042	4"BUMPER THRESHOLD	ALUM. 6063-T5	BONNELL
14	10029	DOOR STOP	ALUM. 6063-T5	BONNELL
14A	44013	OPTIONAL DOOR STOP	ALUM. 6063-T5	BONNELL
15	26031	INTERIOR DOOR ADAPTOR	ALUM. 6063-T5	BONNELL
16	26032	EXTERIOR DOOR ADAPTOR	ALUM. 6063-T5	BONNELL
17	3008	GLAZING ADAPTOR-9/16"	ALUM. 6063-T6	BONNELL
18	3009	GLAZING ADAPTOR	ALUM. 6063-T5	BONNELL
19	3004	SYS 3000 SHEAR CLIP	ALUM. 6063-T5	BONNELL
20	3104	SYS 3100 SHEAR CLIP	ALUM. 6063-T5	BONNELL
21	3103	SYS 3100 GLAZING ADAPTOR	ALUM. 6063-T5	BONNELL
22	3006	TRANSOM GLAZING ADAPTOR	ALUM. 6063-T5	BONNELL
23	3003	GLAZING ADAPTOR	ALUM. 6063-T5	BONNELL
24	25047	DOOR BOTTOM SWEEP ASSEMBLY	ALUM / RUBBER	HAGER
25	RG15	EPDM GLAZING GASKET	EPDM (DUROMETER 70 SHORE A)	TREMCO
26	RG1	EPDM GLAZING GASKET	EPDM (DUROMETER 70 SHORE A)	TREMCO
27	995	D.C.995 SILICONE	SILICONE	DOW CORNING
28	V2100	1/4"X1/2" GLAZING TAPE	FOAM	CRL
29	H62D	1 1/2"x 1/2"x 1/8" SETTING BLOCK	EPDM (DUROMETER 80 SHORE A)	TREMCO
30	RG5	DOOR STOP GASKET	EPDM (DUROMETER 65 SHORE A)	TREMCO/CORSON
31	21274(TOP)	OFFSET PIVOT HINGE	ALUM. 6063-T5	GLOBAL DOOR
	21273(BOTTOM)		ALUM. 6063-T5	GLOBAL DOOR
	2456X MIDSPAN		ALUM. 6063-T5	GLOBAL DOOR
32	26298	4-1/2" STEEL BUTT HINGE 1/8" THK.	STEEL	HAGER COMPANIES
33	6009X	ALUM CONTINUOUS GEARED HINGE 0.094" THK.	ALUM. 6063-T5	HAGER COMPANIES
34	24110	BRUSH PILE AT DOOR MEETING STILE	YARN	AMESBURY GROUP
35	23301	RUBBER GROMMET AT ASTRAGAL	NITRILE	RUBBER GROMMENT
36	3108	TRANSOM GLAZING ADAPTOR FOR 1-5/16" GLASS	ALUM. 6063-T5	BONNELL
37	1122	INSULATED ALUMINUM SPACER	ALUM. 6063-T5	ALL METAL INC.
38	H67	DOOR STOP CLIP-1 1/8" LG, 6" ON ENDS, 12" O.C.	STAINLESS STEEL	EVANS MANUFACTURING

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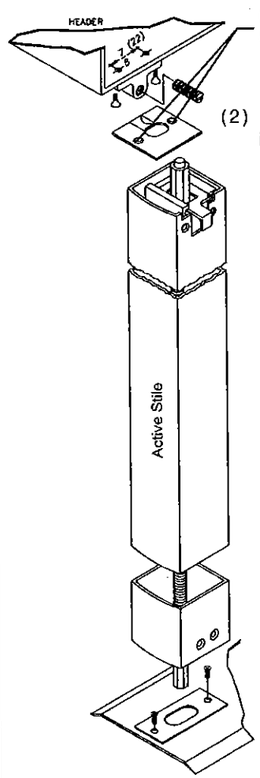
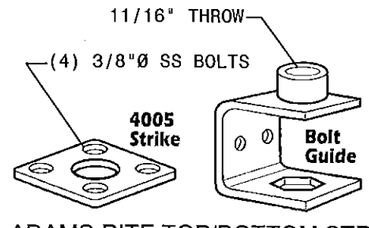
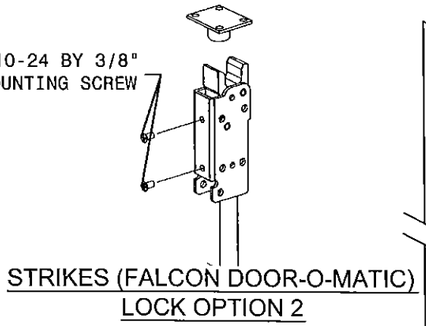
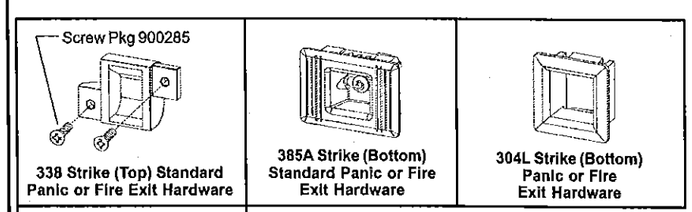


STRIKES (AHT 8000)
LOCK OPTION 1

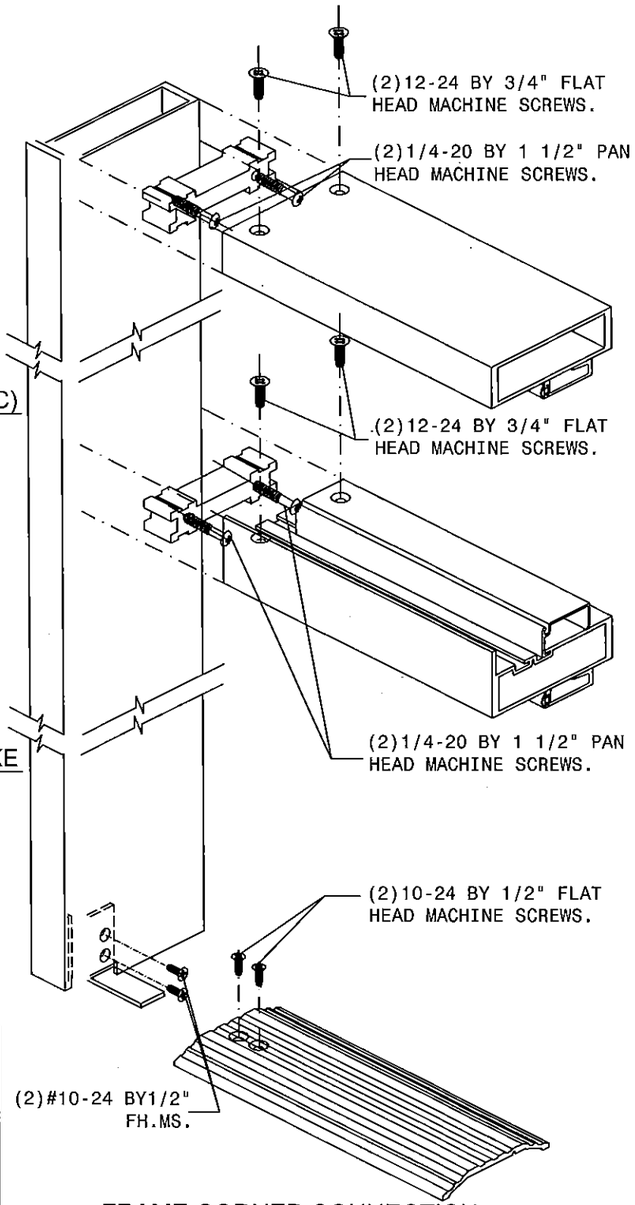


ADAMS RITE TOP/BOTTOM STRIKE
LOCK OPTION 4

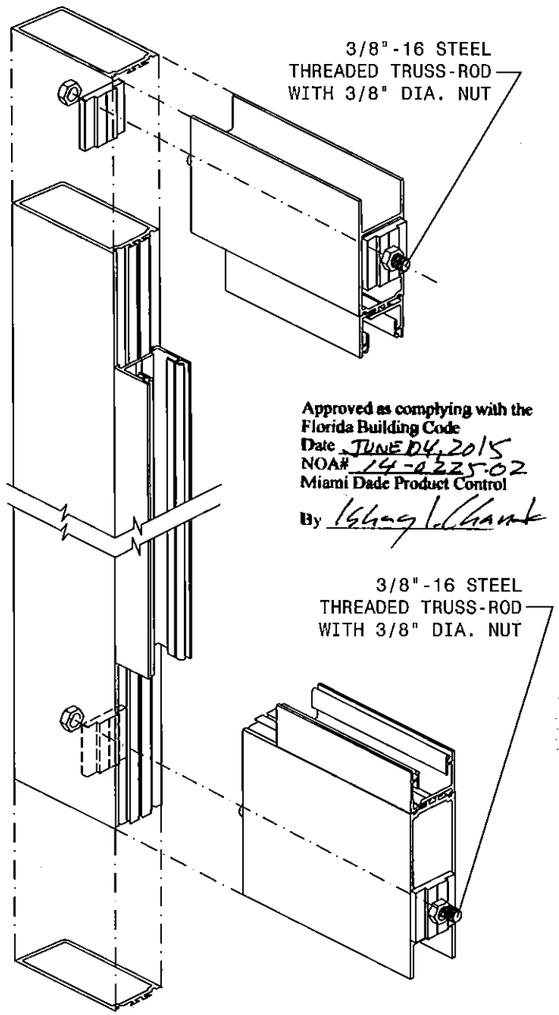




STRIKES (VONDUPRIN 9947)
LOCK OPTION 3



FRAME CORNER CONNECTION



DOOR PANEL CORNER CONNECTION

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