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)

Air Master Awning, LLC
Road PR#2 Interior KM 56.7
Barceloneta, Puerto Rico 00617

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 "Continental" Aluminum Outswing doors w/wo Sidelites-L.M.I.

APPROVAL DOCUMENT: Drawing No. **12-203**, titled "Series- Continental Door with Sidelite", sheets 1 through 8 of 8, prepared by Knezevich Associates, dated FEB 28, 2013, signed and sealed by V.J. Knezvich, 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 Missile Impact Resistant

Limitations:

1. See Design Pressure VS unit sizes in sheet 6.
2. Four (4) anchors at double door astragal end and mullion end at head & sill required. Max OC spacing at sidelite jambs= 17.07" and at door jambs=13.56" is required. See anchor specifications in sheet 6.

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", 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

7/24/13

Air Master Awning, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **12-203**, titled "Series- Continental Door with Sidelite", sheets 1 through 8 of 8, prepared by Knezevich Associates, dated FEB 28, 2013, signed and sealed by V.J. Knezevich, 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 aluminum outswing door w/ sidelites, prepared by Blackwater Testing, Inc., Test Report No. BT-AM-12-005, dated 12/07/12, signed and sealed by Yamil Kuri, P. E.
Note: This test report has been revised by addendum letter dated May 24, 2013 and July 03, 2013, issued by Blackwater testing, signed & sealed by Yamil Kuri, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Knezevich Associates, dated 03/04/13, 05/13/2013 and last revised on 07/01/2013, signed and sealed by V.J. Knezevich, 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. **12-1231.08** issued to Eastman Chemical Company (MA), Inc. (Former Solutia Inc.) for their "**Seflex CP:** Saflex and sflex HP composite interlayer w/ PET core", expiring on 12/11/18.

F. STATEMENTS

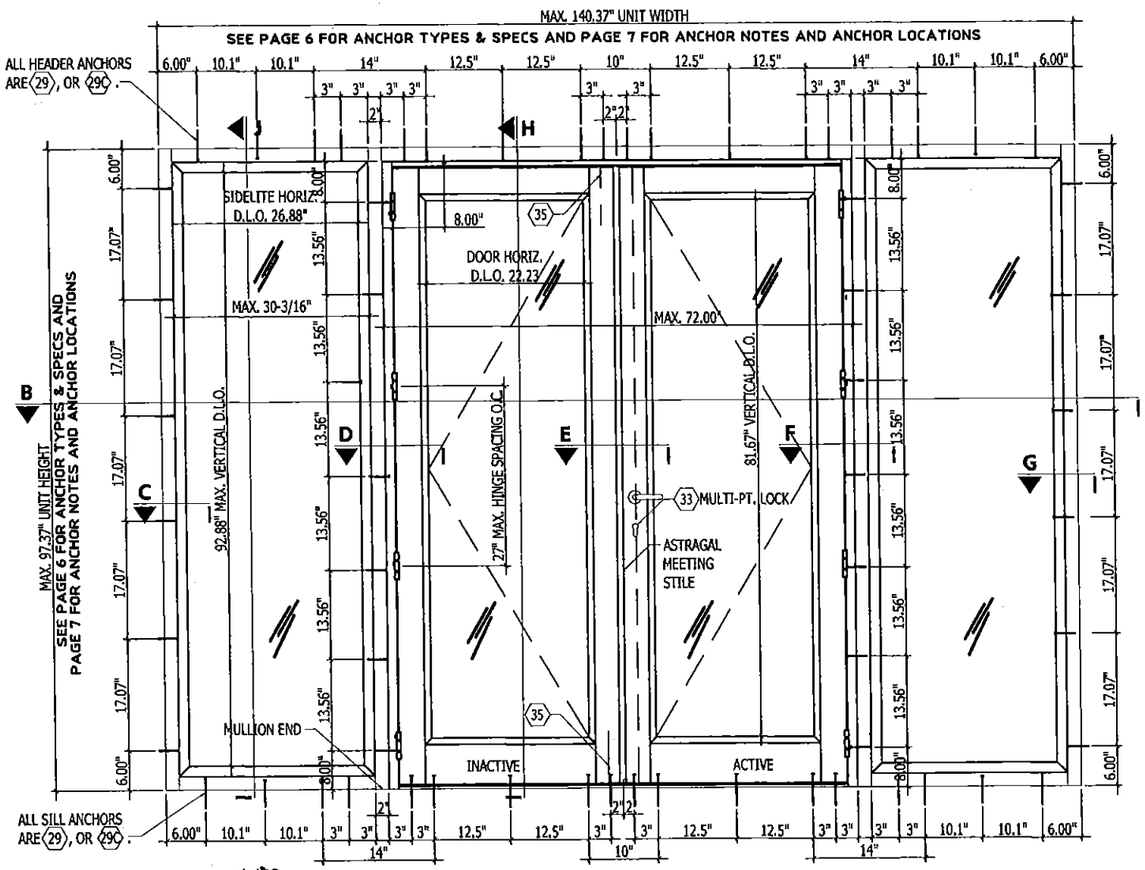
1. Statement letter of conformance and letter of no financial interest, prepared by Knezevich Associates, dated 02/01/13, signed and sealed by V.J. Knezevich, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. None.

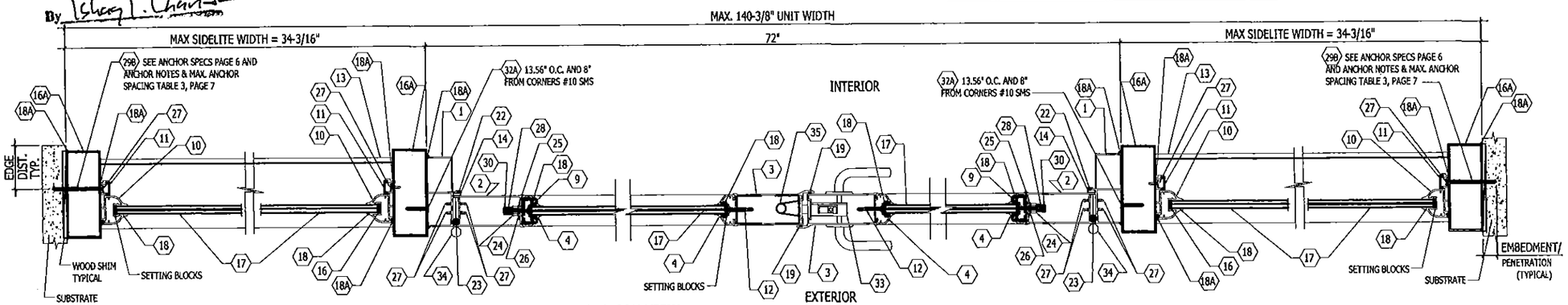
Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 13-0306.02
Expiration Date: July 25, 2018
Approval Date: July 25, 2013



A EXTERIOR ELEVATION - SERIES CONTINENTAL DOOR WITH SIDELITE
N.T.S. ANCHOR SPACING SHOWN IN (A) IS FOR WOOD, CONCRETE OR CMU FILLED CMU (SEE PAGE 6 FOR OTHER SIZES & ANCHORS SPECIFICATIONS AND SEE PAGE 7 FOR OTHER LAYOUT OPTIONS & MAX. ANCHORS SPACING IN ALL SUBSTRATES TABLE 3)

Approved as complying with the Florida Building Code
Date July 27, 2013
NOA# 13-0306.02
Miami Dade Product Control
By Ishaq I. Ghanta



B SECTION VIEW
N.T.S. (SEE PAGE 6 FOR OTHER SIZES & ANCHOR SPECIFICATIONS AND SEE PAGE 7 FOR OTHER LAYOUT OPTIONS & MAX. ANCHOR SPACING TABLE 3)

BILL OF MATERIAL

	ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS & EXTRUSIONS	1	77495	DOOR FRAME SUB JAMBS	FUNDICIONES INDUSTRIALES S.A /6063-T5
	2	77534	DOOR STILE	FUNDICIONES INDUSTRIALES S.A /6063-T5
	3	77525	DOOR STILE WITH ASTRAGAL	FUNDICIONES INDUSTRIALES S.A /6063-T5
	4	13038	GLASS ADAPTER	FUNDICIONES INDUSTRIALES S.A /6063-T5
	5	77510	DOOR HEAD FRAME	FUNDICIONES INDUSTRIALES S.A /6063-T5
	6	77554	TOP RAIL	FUNDICIONES INDUSTRIALES S.A /6063-T5
	7	76702	6" MIN BOTTOM RAIL	FUNDICIONES INDUSTRIALES S.A /6063-T5
	8	80511	THRESHOLD CONTINENTAL DOOR	FUNDICIONES INDUSTRIALES S.A /6063-T5
	9	11081	CORNER LOCK	FUNDICIONES INDUSTRIALES S.A /6063-T5
	10	76835	PERIMETER P/W	FUNDICIONES INDUSTRIALES S.A /6063-T5
	11	76830	SNAP FOR PICTURE WINDOW	FUNDICIONES INDUSTRIALES S.A /6063-T5
	12	80525	RECT SNAP COVER FOR THRESHOLD	FUNDICIONES INDUSTRIALES S.A /6063-T5
	13	96534	ANGLE 1.5"x.625"x.125"	FUNDICIONES INDUSTRIALES S.A /6063-T5
	14	22047	FLUSH ASTRAGAL	FUNDICIONES INDUSTRIALES S.A /6063-T5
	15	13020	ADAPTER DOUBLE FELPA	FUNDICIONES INDUSTRIALES S.A /6063-T5
	16	57628	DEAD BOLT CHANNEL L=3.625"	GLOBAL HOLDEX LTD /6063-T5
	16A	-	2"x5" x 0.090" FRAME JAMB/MULLION	6063-T5
GLASS	17		IMPACT GLASS 7/16	SOLUTIA, INC.
			3/16" ANN - 0.090" SAFLEX CP - SAFLEX AND SAFLEX HP COMPOSITE GLASS INTERLAYERS WITH PET CORE BY SOLUTIA, INC. - 3/16" ANN	
SEALS & SEALANTS	18	53580	OC-995 SILCON STRUCTURAL BLACK	CARIBBEAN SALES AGENCY
	18A	76648	SILICONE CLEAR	PACIFIC GLOBAL PACKAGING
	19	96823	WEATHER STRIP	ULTRAFAB
	20	96824	WEATHER STRIP	ULTRAFAB
	21	96825	WEATHER STRIP	ULTRAFAB
	22	96980	PERIMETER FRAME VINYL	MSW LLC
	23	32010	B/RUBBER/FOAM-W/WEATHER STRIP	MSW LLC
FASTENERS	24	95612	3/8"-16-SS HEX NUT	LA CASA DE LOS TORNILLOS
	25	95492	FLAT WASHER 3/8"	LA CASA DE LOS TORNILLOS
	26	95493	PRESSURE WASHER 3/8" SS	LA CASA DE LOS TORNILLOS
	27	95691	10-24 x 5/8" PH F/H SS SELF/D	LA CASA DE LOS TORNILLOS
	28	95692	10-24 x 1" FH /PH /SS SELF/D	LA CASA DE LOS TORNILLOS
	28B		1/4" ELCO UNTRA CON (CMU) PHI P/H F/H	ELCO CONSTRUCTION PRODUCTS W/ STALGARD
	29		1/4" LAG SCREW PHI F/H SS	W/ DISSIMILAR METALS CORROSION COATING
	29A		1/4" ELCO ULTRACON IN GROUT FILLED CMU PHI P/H F/H	ELCO CONSTRUCTION PRODUCTS WITH STALGARD
	29B		1/4" ELCO ULTRACON IN CMU PHI P/H F/H	ELCO CONSTRUCTION PRODUCTS WITH STALGARD
	29C		1/4"Ø ELCO ULTRACON, PHI, F/H, P/H	ELCO CONSTRUCTION PRODUCTS WITH STALGARD
	30	76657	3/8"x 72" SS-304 ROD	LA CASA DE LOS TORNILLOS
	31	95597	10 SCREW x 1-1/2" PHI PH S/S T-A	LA CASA DE LOS TORNILLOS
	32	95660	12 SCREW x 3/4" PHI PH S/S T-A	LA CASA DE LOS TORNILLOS
	32A		#10 SHEET METAL SCREW (SMS)	ITW BUILDEX
HARD-WARE	33	34200	MULTIPOINT LOCK 2230 (TH102)	FRANCISCO R. FARRES, INC.
	34	76565	4" S/S HINGES	L.D.G. HARDWARE MANUFACTURER
	35	76523	FLUSHBOLT 1/8 BACKSET SATIN NICL	SONFAST CARIBE, INC.

KNEZEVICH ASSOCIATES
Consulting Engineers * COA 27989
2590 S.W. 105th Terrace * Davie, Florida 33324
T (954) 821-6933 * VJ@Knezevich-Associates.com
www.Knezevich-Associates.com
Copyright © 2012 VJKnezevich & Associates, LLC d/b/a Knezevich Associates

SERIES CONTINENTAL DOOR WITH SIDELITE

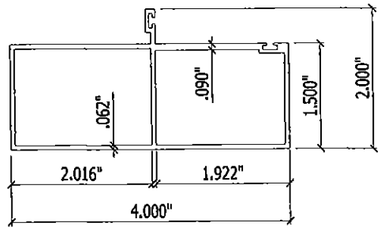
AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

revisions			
no	date	by	description

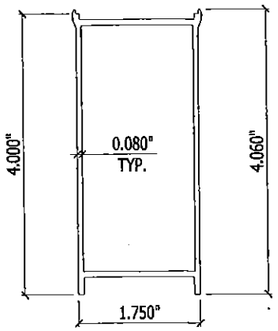
V.J. Knezevich
Professional Engineer
FL License No. PE 0010983
FEB 28 2013

drawn by	scale
ARV	AS NOTED
date	02/28/2013
drawing no.	12-203
sheet 1 of 8	

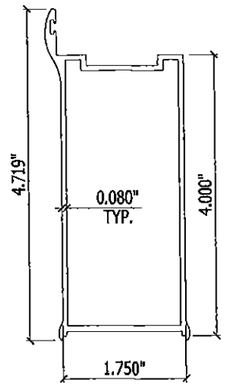
C:_MIDI_Projects\MIDIsparate_CAD\VJKnezevich\CAD2012\12-203_AirMasterPR-Continental\R0_sub\12-203-01.dwg, 7/18/2013 10:12:01 AM, Tabloid, 1:1, www.MIDIsparate.com



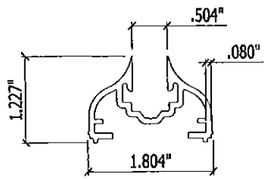
1 DOOR SUB JAMB
SCALE: HALF SIZE

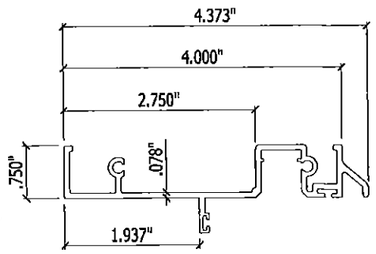


2 DOOR STILE
SCALE: HALF SIZE

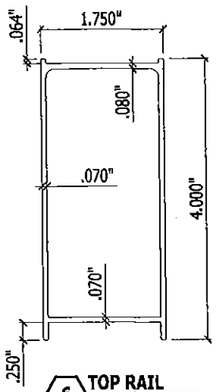


3 DOOR STILE WITH ASTRAGAL
SCALE: HALF SIZE

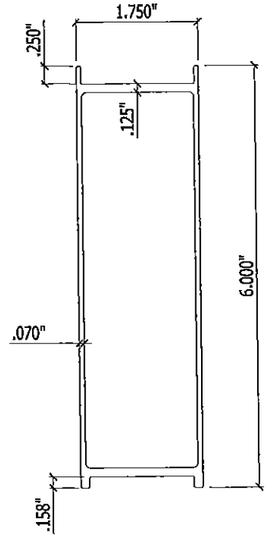




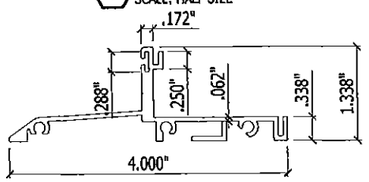
4 3er. GEN. GLASS ADAPTER
SCALE: HALF SIZE



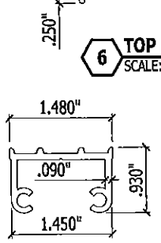
6 TOP RAIL
SCALE: HALF SIZE



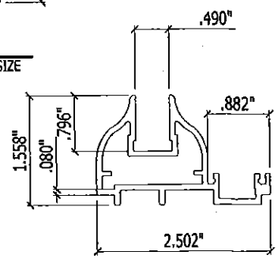
7 BOTTOM RAIL
SCALE: HALF SIZE



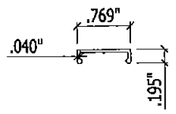
8 THRESHOLD
SCALE: HALF SIZE



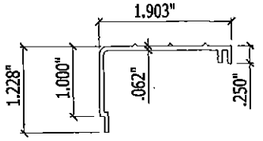
9 CORNER LOCK
SCALE: HALF SIZE



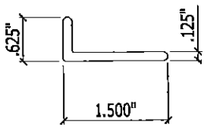
10 PERIMETER SIDELITE 4 GEN.
SCALE: HALF SIZE



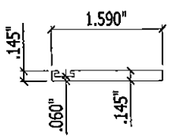
11 SNAP FOR SIDELITE
SCALE: HALF SIZE



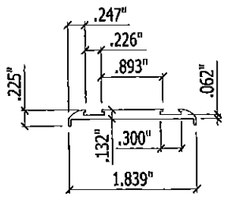
12 THRESHOLD FLAT TIPE COVER
SCALE: HALF SIZE



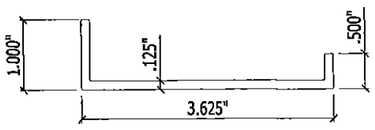
13 ANGLE 1.5"x.625"
SCALE: HALF SIZE



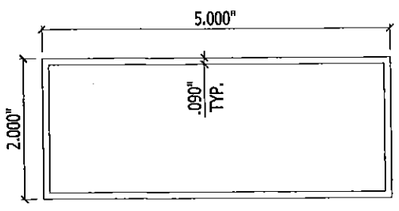
14 FLUSH ASTRAGAL
SCALE: HALF SIZE



15 ADAPTER DOUBLE FELPA
SCALE: HALF SIZE



16 DEAD BOLT CHANNEL
SCALE: HALF SIZE



16A SIDELITE/DOOR FRAME JAMB/MULLION
SCALE: HALF SIZE

GENERAL NOTES:

1. THIS CONTINENTAL SYSTEM HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC), INCLUDING THE HVHZ, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING. THIS CONTINENTAL DOOR SYSTEM HAS COMPLIED WITH FBC 2411.3.2.1/AAMA 101/I.S.2-97 (ASTM E283, ASTM E331, ASTM F588) AND TAS 201, TAS 202 & TAS 203. THE CONTINENTAL DOOR AND SIDELITE ARE LARGE MISSILE IMPACT RESISTANT.
2. 2 x WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF FBC.
3. ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.
4. DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH ASCE 7-10, A DIRECTIONALITY FACTOR OF Kd =0.85 MAY BE USED.
5. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. A WIND LOAD DURATION FACTOR OF 1.6 WAS USED FOR WOOD SCREW ANALYSIS. IN THE PREPARATION OF THESE DOCUMENTS.
6. THESE PRODUCT EVALUATION DOCUMENTS ARE PREPARED BY THE PRODUCT ENGINEER AND ARE GENERIC. THEY DO NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.
7. THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE LOADS.
8. WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
   A) REQUIRE THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION. SAID DOCUMENTS SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW AS A CONDITION TO THE BUILDING OFFICIAL GRANTING HIS/HER APPROVAL.
   B) REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL SECTION. WHEN THE SITE CONDITION DEVIATIONS OCCUR WITHIN THE HIGH VELOCITY HURRICANE ZONE AREAS ONLY OPTION "B" SHALL BE ACCEPTED BY THE BUILDING OFFICIAL.
9. WHERE THE CONTRACTOR OR THE BUILDING OFFICIAL REQUIRES DOCUMENTS FOR A SITE SPECIFIC APPLICATION, THESE DOCUMENTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT FOR SAID APPLICATION.
10. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
11. GLAZING MATERIALS:
    THE GLASS CONSISTED OF 7/16" THICK (NOMINAL) LAMINATED GLASS COMPRISED OF THE FOLLOWING COMPONENTS:
    A. 3/16" ANNEALED GLASS
    B. 0.090" SAFLEX CP-SAFLEX AND SAFLEX HP COMPOSITE GLASS INTERLAYERS WITH PET CORE BY SOLUTIA, INC. AS TESTED AND PER MIAMI-DADE PRODUCT APPROVAL (NOA).
    C. 3/16" ANNEALED GLASS
12. SEE DOOR WITH & WITHOUT SIDELITE SIZE VS DESIGN LOADS & ANCHOR SCHEDULE
    A. POSITIVE LOAD IS 75 PSF FOR ALL SIZES AND IS BASED ON WATER TEST PRESSURE AND BOTH +&- Ve LOAD CONFORMS TO LAMINATED GLASS CHART FIGS.A1.30 & 31 IN ASTM E1300-04e1.
    B. NEGATIVE LOAD IS 75 PSF (SEE TABLES 1 & 2 ON PAGE 6 OF 8).
13. THIS PRODUCT HAS BEEN SUCCESSFULLY TESTED BY BLACKWATER TESTING FOR FLORIDA BUILDING CODE COMPLIANCE.
    A. BLACKWATER TESTING INC. REPORT NO. BT-AM-12-003 WITH BLACKWATER, TESTING INC. ADDENDUM LETTER OF MAY 24, 2013 REVISING THE PERMANENT SET VALUES AND ADDENDUM LETTER OF JULY 3, 2013 REVISING SIDELITE JAMB TESTED SPACING
14. MATERIALS, INCLUDING, BUT NOT LIMITED TO FASTENERS OR SCREWS THAT COME IN CONTACT WITH DISSIMILAR METALS SHALL MEET THE REQUIREMENTS OF FBC .
15. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE P.T. & COMPATIBLE WITH ALUMINUM.
16. CHAPTER 20. ALSO FASTENERS & SCREWS MUST BE COMPATIBLE WITH CHEMICALS USED FOR PRESSURE TREATMENT OF WOOD.
17. COMPONENTS (1) THROUGH (16A) ARE 6063-T5 EXTRUDED ALUMINUM ALLOY, U.O.N.
18. ADDITIONAL PROTECTION FROM WINDBORNE DEBRIS (SHUTTERS) IS NOT REQUIRED ON OPENINGS WHERE THESE PRODUCTS ARE USED.

Approved as complying with the Florida Building Code
Date 7/27/13
NOA# 13-0306.02
Miami Dade Product Control
By Ishaq I. Chanda

KNEZEVICH ASSOCIATES
Consulting Engineers * COA 27989
2590 S.W. 105th Terrace * Davie, Florida 33324
T (954) 821-6933 * VJ@Knezevich-Associates.com
www.Knezevich-Associates.com

Copyright © 2012 VJKnezevich & Associates, LLC d/b/a Knezevich Associates

SERIES CONTINENTAL
DOOR WITH SIDELITE

AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

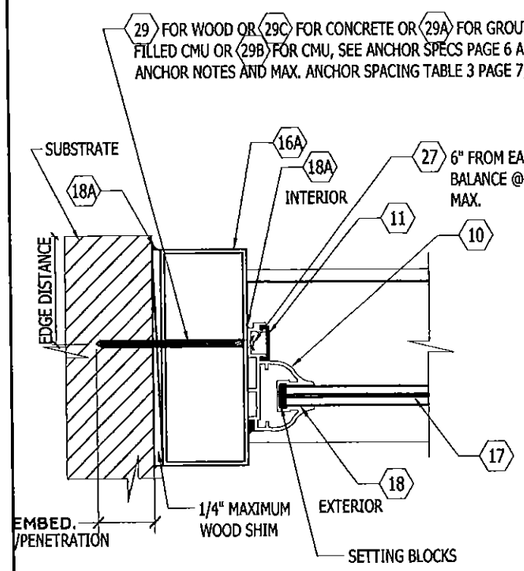
revisions

no	description	date	by

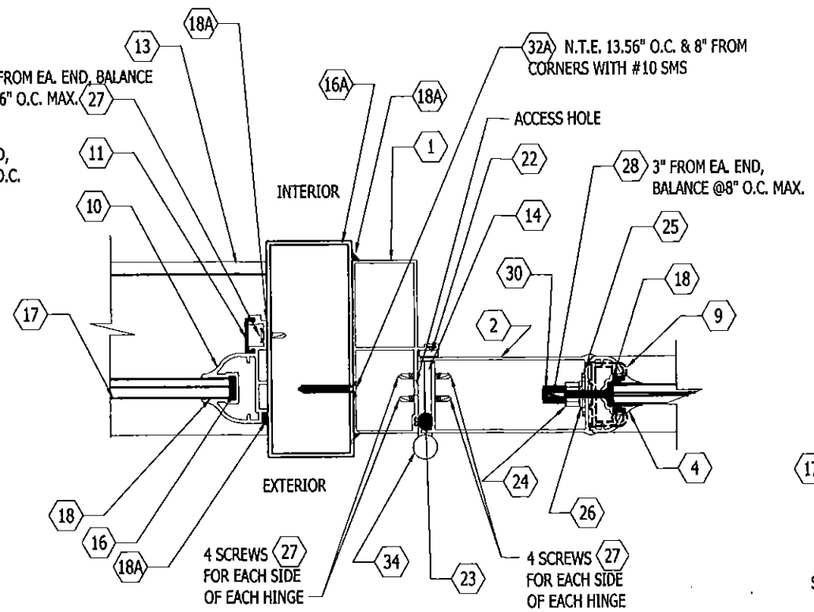
V.J. Knezevich
Professional Engineer
FL License #0037E 0010983

FEB 28 2013

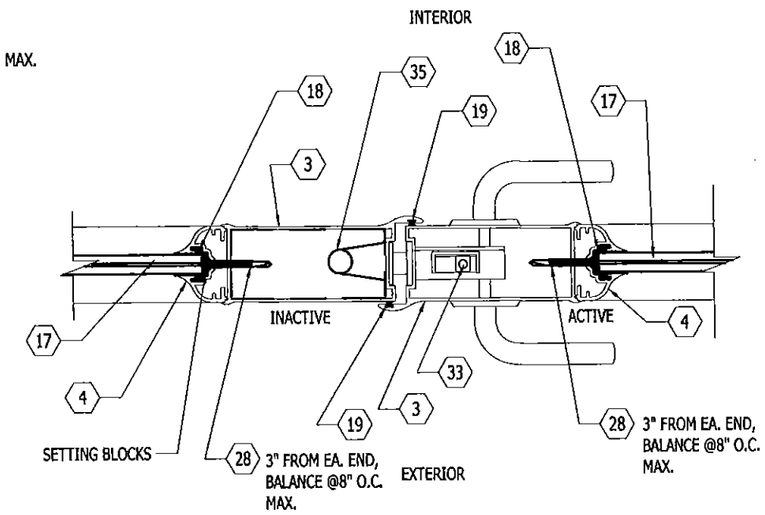
drawn by ARV | scale AS NOTED
date 02/28/2013
drawing no. 12-203
sheet 2 of 8



C SECTION C
SCALE: HALF SIZE



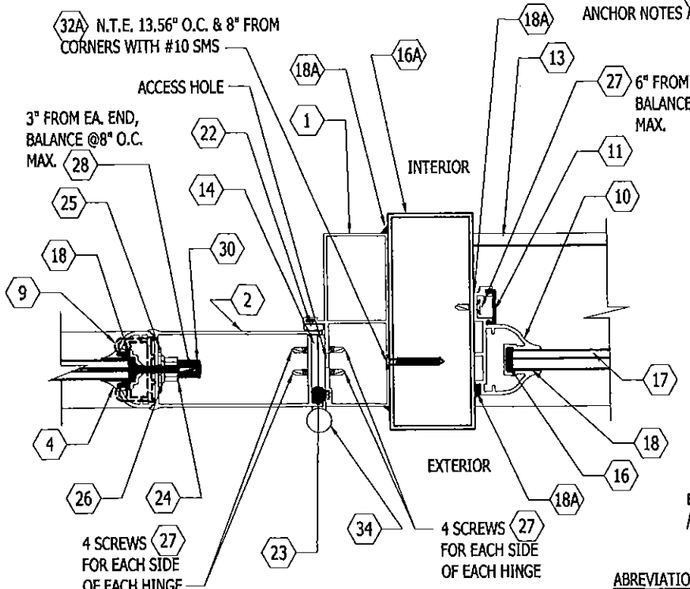
D SECTION D
SCALE: HALF SIZE



29 FOR WOOD, SEE ANCHOR SPECS PAGE 6 AND ANCHOR NOTES & MAX. ANCHOR SPACING TABLE 3, PAGE 7

E SECTION E
SCALE: HALF SIZE

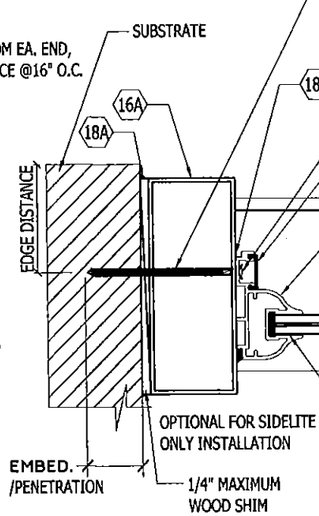
Approved as complying with the Florida Building Code
Date 7/23/13
NOA# 13-0306.02
Miami-Dade Product Control
By Tsheng I. Chang



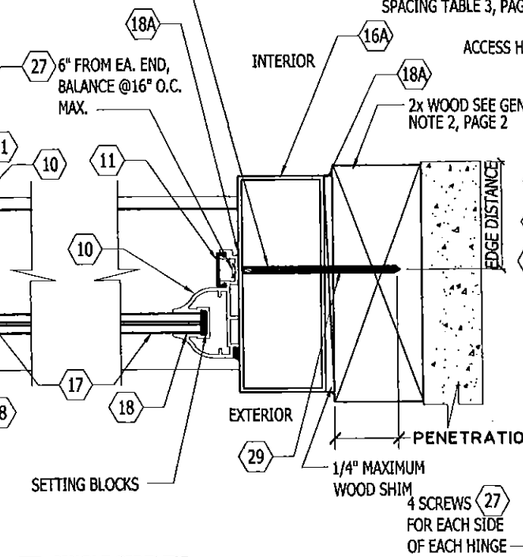
F SECTION F
SCALE: HALF SIZE

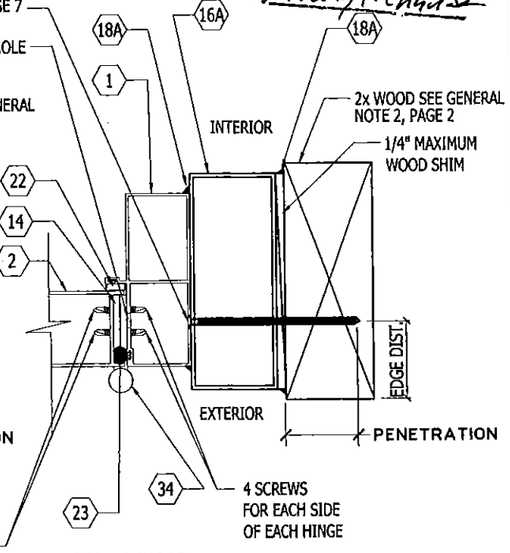
29 FOR WOOD OR 29C FOR CONCRETE OR 29A FOR GROUT FILLED CMU OR 29B FOR CMU, SEE ANCHOR SPECS PAGE 6 AND ANCHOR NOTES AND MAX. ANCHOR SPACING TABLE 3 PAGE 7

ABREVIATIONS:
E.D. = EDGE DISTANCE
EMBED. = EDGE DISTANCE
D.L.O. = DAYLIGHT OPENING



G SINGLE SIDELITE
SCALE: HALF SIZE





K DOOR TO WOOD
SCALE: HALF SIZE

KNEZEVICH ASSOCIATES
Consulting Engineers * COA 27989
2590 S.W. 105th Terrace * Davie, Florida 33324
T (954) 821-6933 * VJ@Knezevich-Associates.com
www.Knezevich-Associates.com

Copyright © 2012 VJKnezevich & Associates, LLC d/b/a Knezevich Associates

SERIES CONTINENTAL DOOR WITH SIDELITE

AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

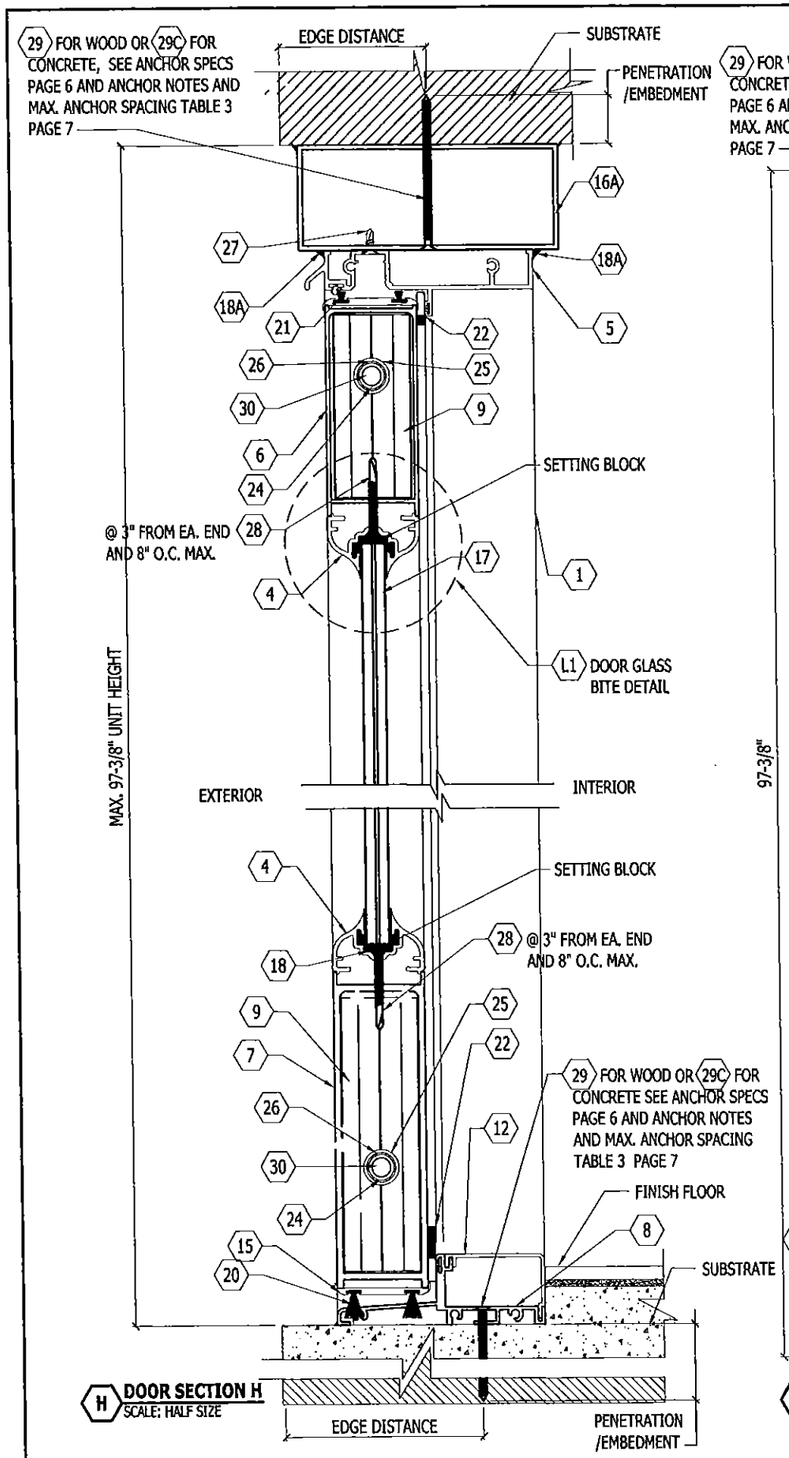
revisions

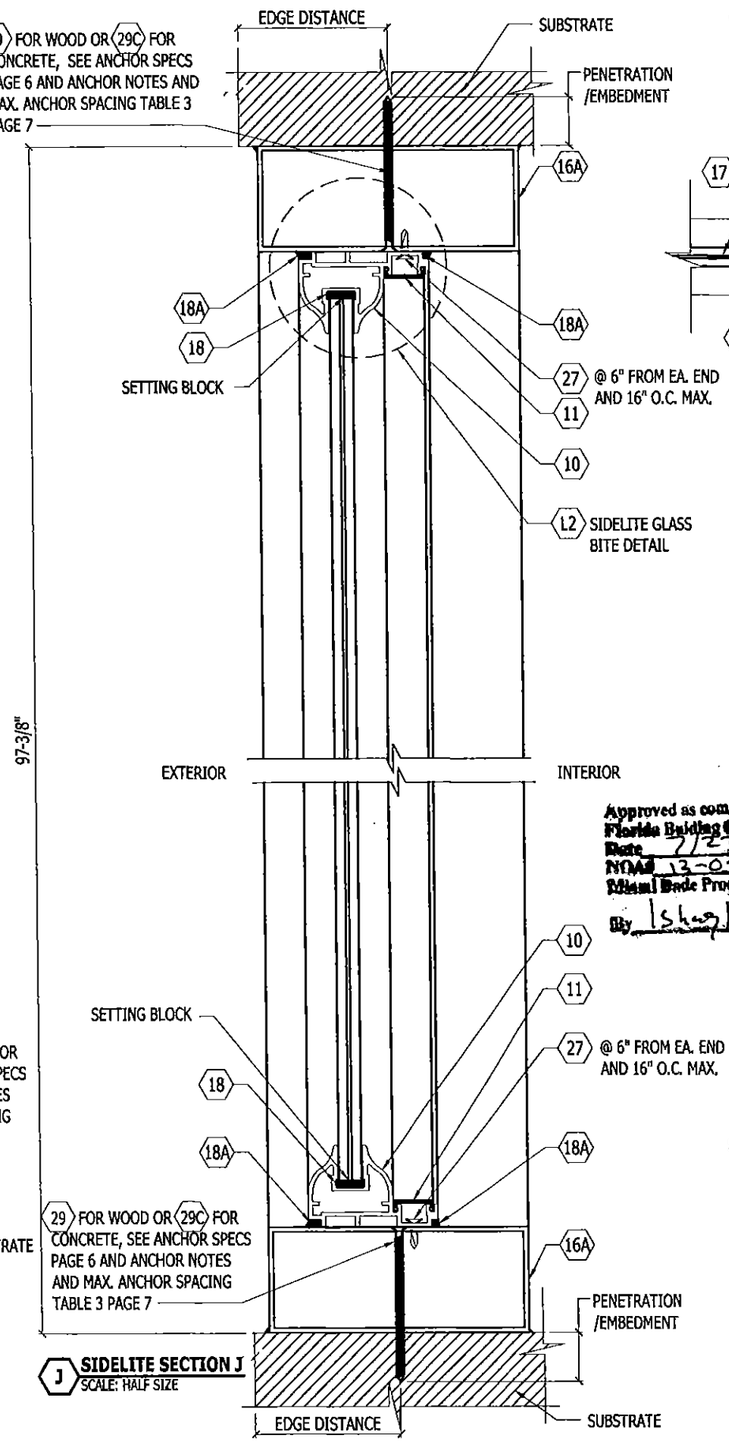
no	description	date	by

V.J. Knezevich
Professional Engineer
FL License No. PE 0010983

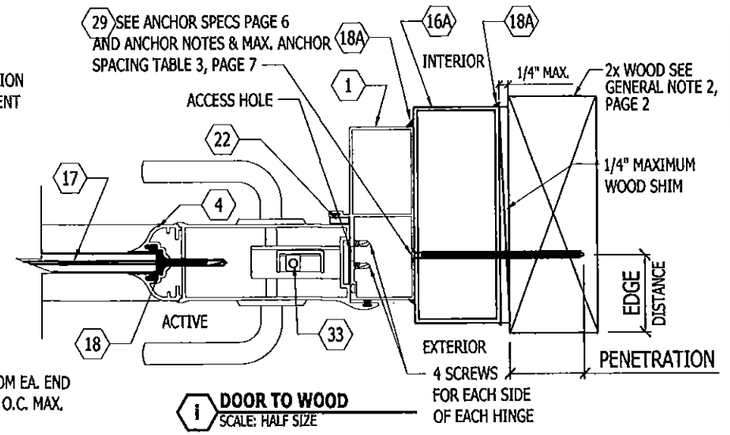
FEB 28 2013

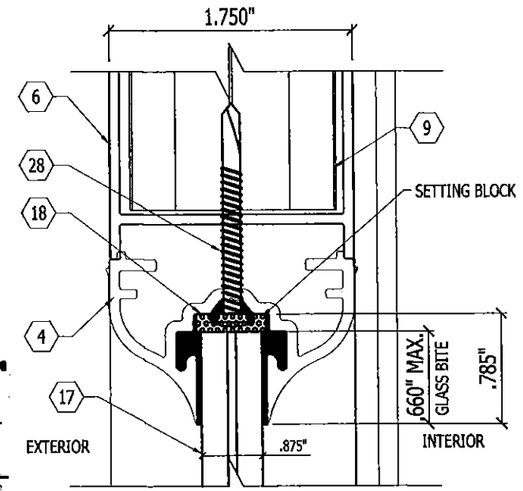
drawn by ARV
scale AS NOTED
date 02/28/2013
drawing no. 12-203
sheet 3 of 8

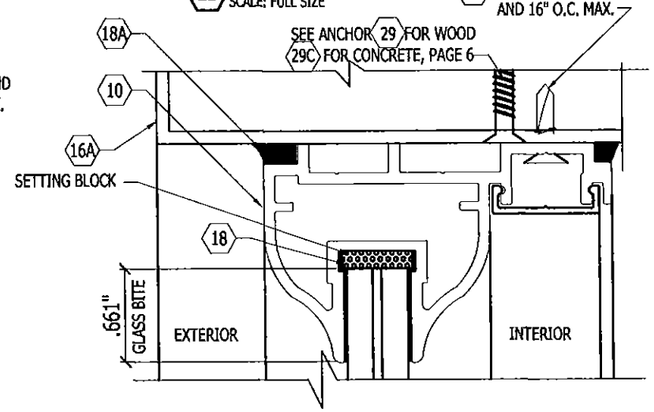




Approved as complying with the Florida Building Code
Date 7/23/13
NOA# 13-0306.02
Miami-Dade Product Control
By Ishaq Lohan







KNEZEVICH ASSOCIATES
Consulting Engineers * COA 27989
2590 S.W. 105th Terrace * Davie, Florida 33324
T (954) 821-6933 * VJ@Knezevich-Associates.com
www.Knezevich-Associates.com

Copyright © 2012 VJKnezevich & Associates, LLC d/b/a Knezevich Associates

SERIES CONTINENTAL
DOOR WITH SIDELITE

AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

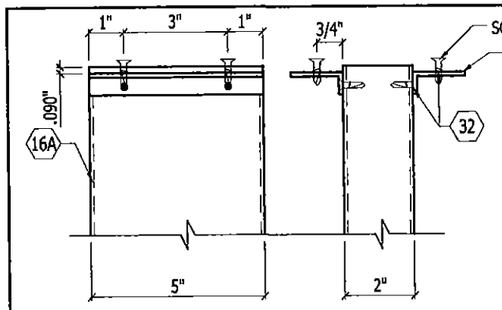
revisions			
no	date	by	description

V.J. Knezevich
Professional Engineer
FL License No.: PE-0010983

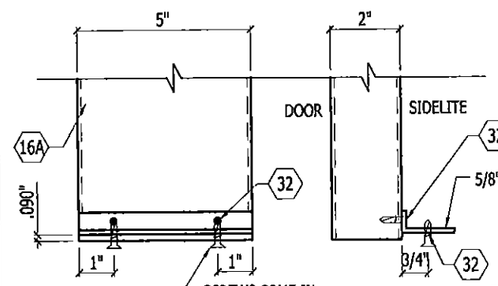
FEB 28 2013

drawn by	scale
ARV	AS NOTED
date	02/28/2013

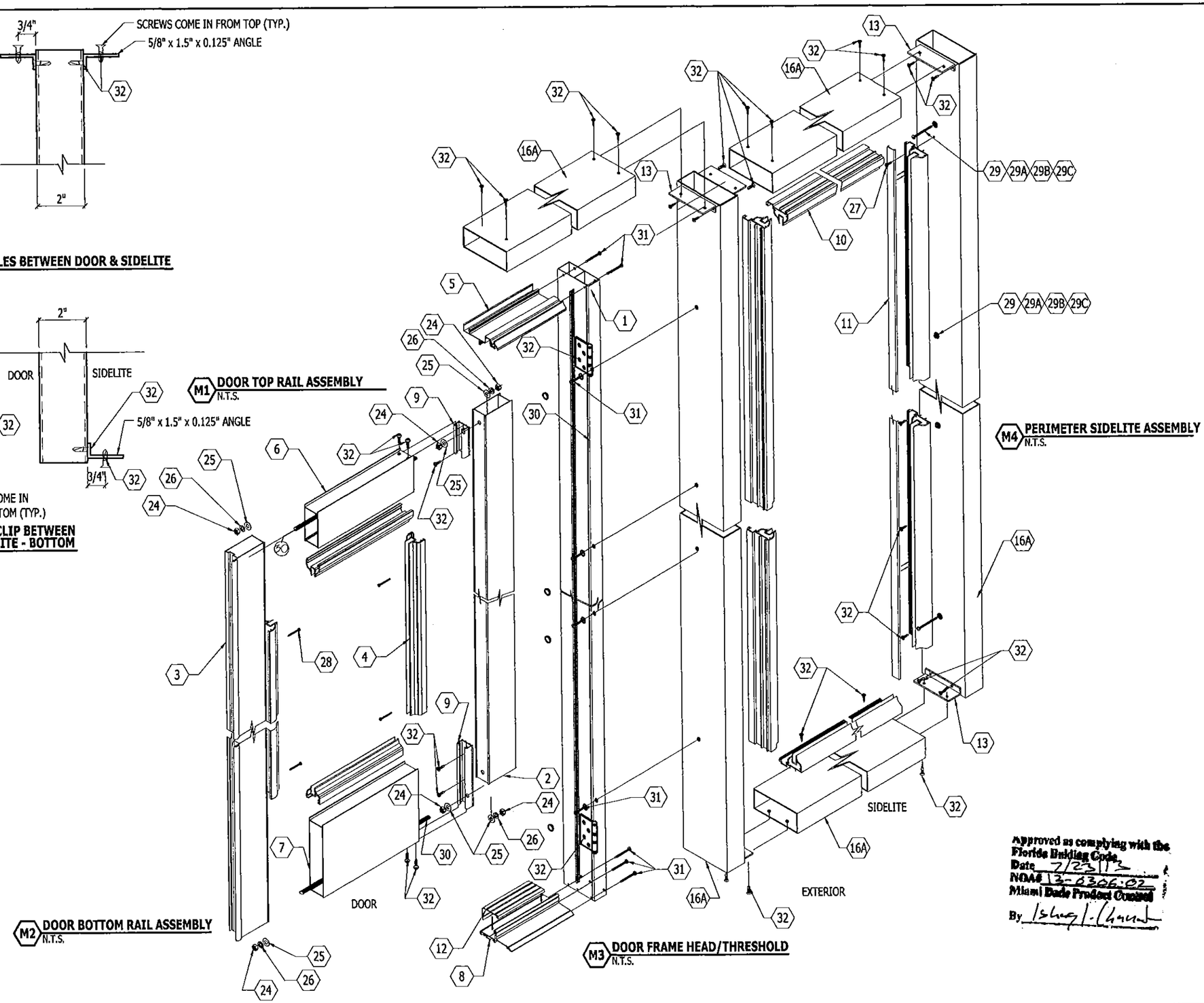
drawing no.
12-203
sheet 4 of 8



M5 MULLION W/ CLIP ANGLES BETWEEN DOOR & SIDELITE
N.T.S.



M6 MULLION W/ CLIP BETWEEN DOOR & SIDELITE - BOTTOM
N.T.S.



KNEZEVICH ASSOCIATES
Consulting Engineers * COA 27989
2590 S.W. 105th Terrace * Davie, Florida 33324
T (954) 821-6933 * VJ@Knezevich-Associates.com
www.Knezevich-Associates.com

Copyright © 2012 VJKnezevich & Associates, LLC d/b/a Knezevich Associates

SERIES CONTINENTAL
DOOR WITH SIDELITE

AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

revisions

no	date	by	description

V.J. Knezevich
Professional Engineer
FL License No. PE 0010983
FEB 28 2013

drawn by ARV | scale AS NOTED
date 02/28/2013
drawing no. 12-203
sheet 5 of 8

NOTES:

1. SINGLE SIDELITE WHEN USED WITH DOOR SHALL BE LIMITED TO DWL OF DOOR

TABLE 2 - SIDELITE INSERT SIZE

NOMINAL HEIGHT (in)	NOMINAL WIDTH (in)	VERTICAL D.L.O. (in)	HORIZONTAL D.L.O. (in)	ACTUAL FINAL SIZES WITH 2"x5" FRAME MULLION		ALLOWABLE POSITIVE & NEGATIVE DESIGN WIND LOAD PSF
				OVERALL SIDELITE HEIGHT (In)	OVERALL SIDELITE WIDTH (In)	
96	30	92.88	26.88	97.38	34.13	75.0
96	24	92.88	20.88	97.38	28.13	75.0
96	18	92.88	14.88	97.38	22.13	75.0
96	12	92.88	8.88	97.38	16.13	75.0
84	30	80.88	26.88	85.38	34.13	75.0
84	24	80.88	20.88	85.38	28.13	75.0
84	18	80.88	14.88	85.38	22.13	75.0
84	12	80.88	8.88	85.38	16.13	75.0
80	30	76.88	26.88	81.38	34.13	75.0
80	24	76.88	20.88	81.38	28.13	75.0
80	18	76.88	14.88	81.38	22.13	75.0
80	12	76.88	8.88	81.38	16.13	75.0

TABLE 1 - DOOR SIZES & DOOR SIZES W/ SIDELITE SIZES

1 PANEL DOOR		2 PANEL DOOR (DOUBLE)		DOOR VERTICAL D.L.O. (In)	DOOR HORIZ. D.L.O. (in)	2"x5" FRAME/ HEADER AND THRESHOLD OVERALL DOOR HEIGHT (In)	DOOR WITH 2"x5" FRAME HEADER AND THRESHOLD NO SIDELITE OVERALL 1 PANEL DOOR WIDTH (In)	DOOR W/ NO SIDELITE INCLUDES 2"x5" VERTICAL FRAME OVERALL 2 PANEL DOOR WIDTH (in)	ACTUAL FINAL SIZES OF DOORS W/ SIDELITE				ALLOW-ABLE POSITIVE AND NEGATIVE DESIGN WIND LOAD PSF
NOM. HEIGHT (in)	NOM. WIDTH (in)	NOM. HEIGHT (in)	NOM. WIDTH (in)						OVERALL 2 PANEL DOOR WIDTH WITH SIDELITE 30" ON EACH SIDE (In)	OVERALL 2 PANEL DOOR WIDTH WITH SIDELITE 24" ON EACH SIDE (In)	OVERALL 2 PANEL DOOR WIDTH WITH SIDELITE 18" ON EACH SIDE (In)	OVERALL 2 PANEL DOOR WIDTH WITH SIDELITE 12" ON EACH SIDE (In)	
96	36	96	72	81.67	22.23	97.38	40.13	76.13	140.38	128.38	116.38	104.38	75.0
96	30	96	60	81.67	16.23	97.38	34.13	64.13	128.38	116.38	104.38	92.38	75.0
96	24	96	48	81.67	10.23	97.38	28.13	52.13	116.38	104.38	92.38	80.38	75.0
84	36	84	72	69.67	22.23	85.38	40.13	76.13	140.38	128.38	116.38	104.38	75.0
84	30	84	60	69.67	16.23	85.38	34.13	64.13	128.38	116.38	104.38	92.38	75.0
84	24	84	48	69.67	10.23	85.38	28.13	52.13	116.38	104.38	92.38	80.38	75.0
80	36	80	72	65.67	22.23	81.38	40.13	76.13	140.38	128.38	116.38	104.38	75.0
80	30	80	60	65.67	16.23	81.38	34.13	64.13	128.38	116.38	104.38	92.38	75.0
80	24	80	48	65.67	10.23	81.38	28.13	52.13	116.38	104.38	92.38	80.38	75.0

NOTES:

1. DOOR FRAME HEIGHT = NOMINAL DOOR HEIGHT + 1.38"
2. SIDELITE FRAME HEIGHT = NOMINAL SIDELITE HEIGHT + 1.38"
3. APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL

ANCHORS SPECIFICATIONS

ITEM #	
	SIDELITE HEAD/SILL AND DOOR HEAD FRAME:
29	1/4" LAG SCREW INTO G=0.55 WOOD WITH 1 1/4 " EDGE DISTANCE, MINIMUM SPACING = 1 1/4" AND 1 1/2" PENETRATION
29C CONCRETE	1/4" DIAMETER ELCO ULTRACON INTO CONCRETE, WITH 2 1/2" EDGE DISTANCE, MINIMUM SPACING = 4" & 1 3/4" EMBEDMENT.
32A	#10 SHEET METAL SCREW (SMS) INTO METAL STRUCTURE
	a. 6063-T5 ALUMINUM ALLOY, MINIMUM, 0.090- 0.125" THICK (V=197#)
	b. 12 GAUGE, 36 KSI STEEL-USE G-90 GALVANIZED STEEL OR PAINTED STEEL-SEE FBC DISSIMILAR METAL REQUIREMENTS (V=197#)
	DOOR THRESHOLD:
29	1/4" LAG SCREW INTO G=0.55 WOOD WITH 1 1/4 " EDGE DISTANCE, MINIMUM SPACING = 1 1/4" AND 2" PENETRATION, AT THRESHOLD.
29C CONCRETE	1/4" DIAMETER ELCO ULTRACON INTO CONCRETE, WITH 2 1/2" EDGE DISTANCE, MINIMUM SPACING = 4" & 1 3/4" EMBEDMENT.
	SIDELITE JAMB/FRAME AND DOOR JAMB/FRAME:
29	1/4" LAG SCREW INTO G=0.55 WOOD WITH 1 1/4 " EDGE DISTANCE, MINIMUM SPACING = 1 1/4" AND 1 1/2" PENETRATION
29A GROUT FILLED CMU	1/4" DIAMETER ELCO ULTRACON INTO GROUT FILLED BLOCK, WITH 2 1/2" EDGE DISTANCE, MINIMUM SPACING = 4 " & 1 3/4" EMBEDMENT (V=250#)
29B CMU	1/4" DIAMETER ELCO ULTRACON INTO CMU, WITH 1" EDGE DISTANCE, MINIMUM SPACING = 6" & 1 1/4" EMBEDMENT (V=140#).
29C CONCRETE	1/4" DIAMETER ELCO ULTRACON INTO CONCRETE, WITH 2 1/2" EDGE DISTANCE, MINIMUM SPACING = 4" & 1 3/4" EMBEDMENT.
32A	#10 SHEET METAL SCREW (SMS) INTO METAL STRUCTURE
	a. 6063-T5 ALUMINUM ALLOY, MINIMUM, 0.090- 0.125" THICK (V=197#)
	b. 12 GAUGE, 36 KSI STEEL-USE G-90 GALVANIZED STEEL OR PAINTED STEEL-SEE FBC DISSIMILAR METAL REQUIREMENTS (V=197#)
	CLIP ANGLES AT MULLION BETWEEN DOOR AND SIDELITE (2 TOP ANGLES AND 1 BOTTOM ANGLE ON EACH MULLION):
32	#12 SHEET METAL SCREW - 2 SMS IN EACH LEG OF THE 0.625" X 1.5" X 0.125" ANGLE (V=298#).

Approved as complying with the Florida Building Code
Date 7/23/13
NOA# 13-0306.02
Miami-Dade Product Control
By Ishay L. Chan

KNEZEVICH ASSOCIATES
Consulting Engineers * COA 27989
2590 S.W. 105th Terrace * Davie, Florida 33324
T (954) 821-6933 * VJ@Knezevich-Associates.com
www.Knezevich-Associates.com

Copyright © 2012 VJKnezevich & Associates, LLC d/b/a Knezevich Associates

SERIES CONTINENTAL
DOOR WITH SIDELITE

AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

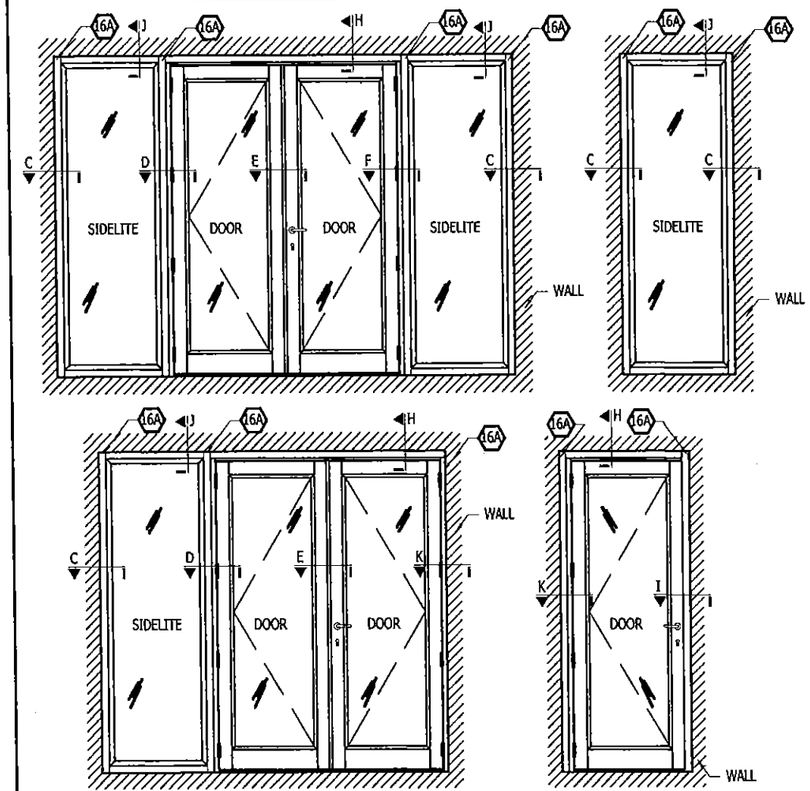
revisions

no	date	by	description

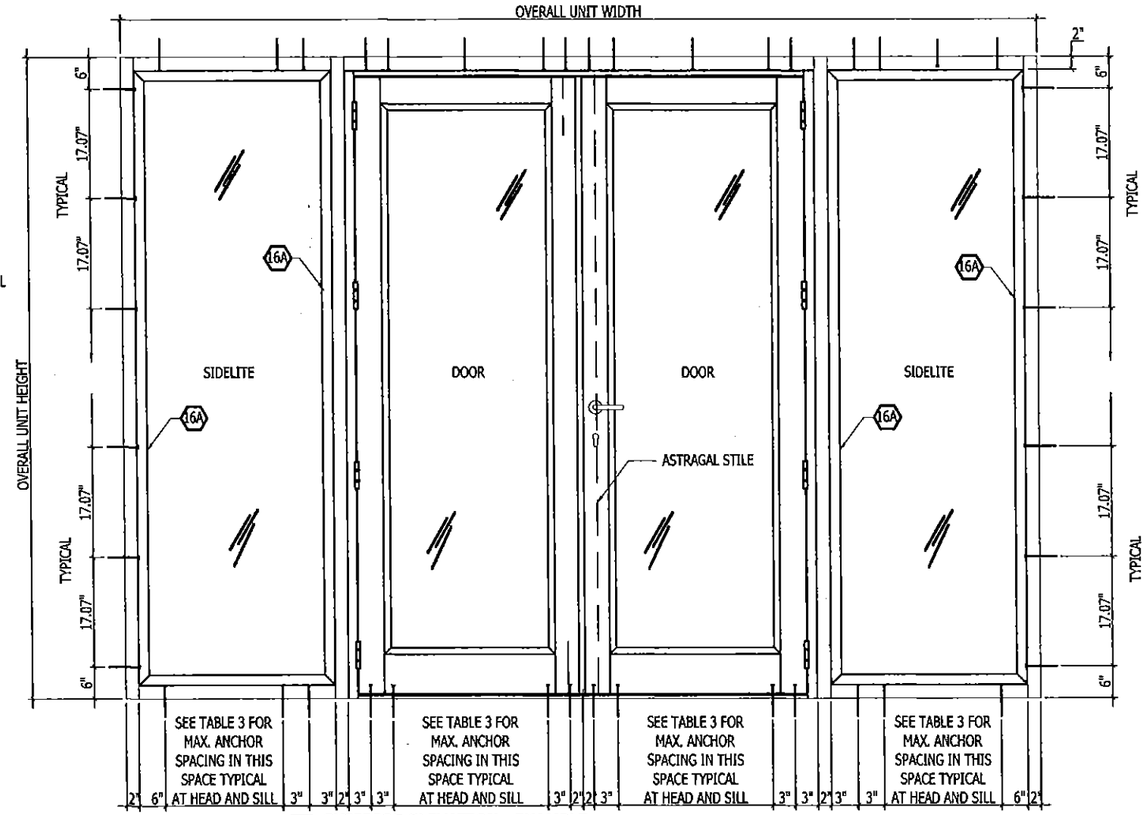
V.J. Knezevich
Professional Engineer
Fl. License Number 0010983

FEB 28 2013

drawn by ARV | scale AS NOTED
date 02/28/2013
drawing no. 12-203
sheet 6 of 8



N OPTIONAL INTALLATION LAYOUTS
N.T.S.



M EXTERIOR ELEVATION - EXAMPLE
N.T.S.

NOTE:

1. THE DIAGRAM ABOVE SHOWS 1/4"Ø ANCHORS LOCATIONS THAT MUST BE USED FOR ALL DOOR & SIDELITE SIZES. MAXIMUM ANCHOR SPACING BETWEEN THE STARTER ANCHOR & CLUSTER OR MAXIMUM ANCHOR SPACING BETWEEN CLUSTERS CAN BE FOUND IN TABLE 3, THIS PAGE.

TABLE 3 - DOOR & SIDELITE MAXIMUM ANCHOR PERIMETER SPACING ALLOWED EXCEPT CLUSTERS AT DOOR ASTREGAL (MEETING STILES) AND MULLION ENDS

SUBSTRATES	SIDELITE JAMB TO WALL (in)	MIN. 2 ANCHORS SIDELITE HEAD (in)	MIN. 2 ANCHORS SIDELITE SILL (in)	DOOR JAMB OR SIDELITE TO MULLION (In)	MIN. 2 ANCHORS DOOR JAMB TO WALL (In)	MIN. 2 ANCHORS DOOR HEAD (in)	DOOR THRESHHOLD (In)
G=0.55 WOOD CONCRETE GROUT FILLED CMU	17.07	11	11	13.6	13.6	19	19
CMU	17.07	N/A	N/A	13.6	13.6	N/A	N/A

Approved as complying with the Florida Building Code
Date 7/23/13
NOA# 13-0306.03
Miami Dade Product Control
By Ishaq I. Ghaur

ANCHOR NOTES:

1/4" DIAMETER ELCO ULTRACON WITH 2.5" EDGE DISTANCE, 4" SPACING & 1 3/4" EMBEDMENT
1/4" DIAMETER LAG SCREW WITH 1.25" EDGE DISTANCE & 1.25" O.C. SPACING WITH 2" PENETRATION

ANCHOR REQUIREMENTS FOR DOOR THRESHOLD AND HEAD ON BOTH SIDES OF MULLION
FOR CONCRETE SUBSTRATES, USE FOUR (4) 1/4" DIAMETER ELCO ULTRACON, ITEM 29C TO THRESHOLD, WITH 1 EACH AT 3" AND 6" FROM EACH END OF THRESHOLD & 1 EACH AT 3" AND 6" FROM EDGE OF MULLION (16A) IN SIDELITE SILL.

FOR WOOD SUBSTRATES, USE TWO (2) 1/4" DIAMETER LAG SCREWS WITH 2" PENETRATION, INSTALLED AT EACH OF THE SAME LOCATIONS AS DESCRIBED ABOVE FOR CONCRETE SUBSTRATES.

BALANCE OF ANCHORS, FOR CONCRETE AND WOOD SUBSTRATES, BETWEEN STARTER ANCHORS AND CLUSTERS AT MULLION SHALL BE EQUALLY SPACED, BUT SHALL NOT EXCEED THE MAXIMUM ANCHOR SPACING SHOWN IN TABLE 3 ON THIS PAGE..

ANCHOR REQUIREMENTS FOR DOOR THRESHOLD AND HEAD AT ASTRAGAL
FOR CONCRETE INSTALLATIONS, USE TWO (2) ULTRACONS, ITEM 29C, WITH 2 1/2" EDGE DISTANCE & 1 3/4" EMBEDMENT; ONE EACH AT 2" & 5" ON EACH SIDE OF THE CENTERLINE OF THE 2 DOORS.
FOR WOOD INSTALLATIONS, USE TWO (2) 1/4" DIAMETER LAG SCREWS, ITEM 29 WITH 1 1/4" EDGE DISTANCE AND 2" PENETRATION, ONE EACH AT 2" & 5" ON EACH SIDE OF THE CENTERLINE OF THE 2 DOORS.

BALANCE OF ANCHORS, FOR CONCRETE AND WOOD SUBSTRATES, BETWEEN STARTER ANCHORS AND CLUSTERS AT ASTRAGAL SHALL BE EQUALLY SPACED, BUT SHALL NOT EXCEED THE MAXIMUM ANCHOR SPACING SHOWN IN TABLE 3 ON THIS PAGE.

ANCHOR REQUIREMENTS FOR SIDELITE AND DOOR CONNECTION TO VERTICAL MULLION
ALL #10 SCREWS, ITEM 31, CONNECTING THE SIDELITE AND OR DOOR TO THE 2" X 5" X 0.090" VERTICAL TUBE MULLION, ITEM 16A, TO BEGIN AND END AT 8" (STARTER FASTENER) FROM THE TOP AND BOTTOM OF THE 2" X 5" TUBE. THE BALANCE OF THE #10 SCREWS BETWEEN THE STARTER FASTENERS SHALL BE EQUALLY SPACED, BUT SHALL NOT EXCEED THE MAXIMUM ANCHOR/FASTENER SPACING SHOWN IN TABLE 3 ON DRAWING PAGE 7 OF 8.

KNEZEVICH ASSOCIATES
Consulting Engineers * COA 27989
2590 S.W. 105th Terrace * Davie, Florida 33324
T (954) 821-6933 * VJ@Knezevich-Associates.com
www.Knezevich-Associates.com
Copyright © 2012 VJKnezevich & Associates, LLC d/b/a Knezevich Associates

SERIES CONTINENTAL DOOR WITH SIDELITE

AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

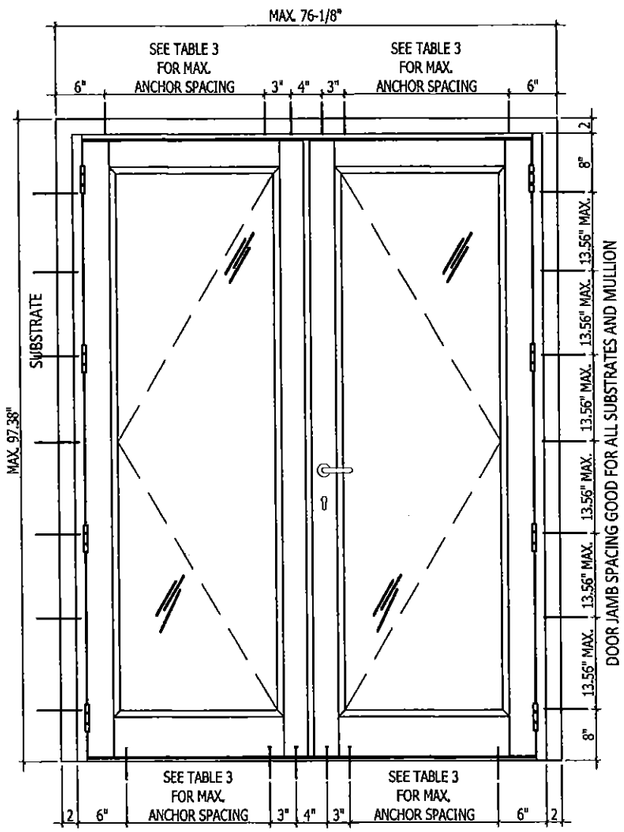
revisions

no	description	date	by

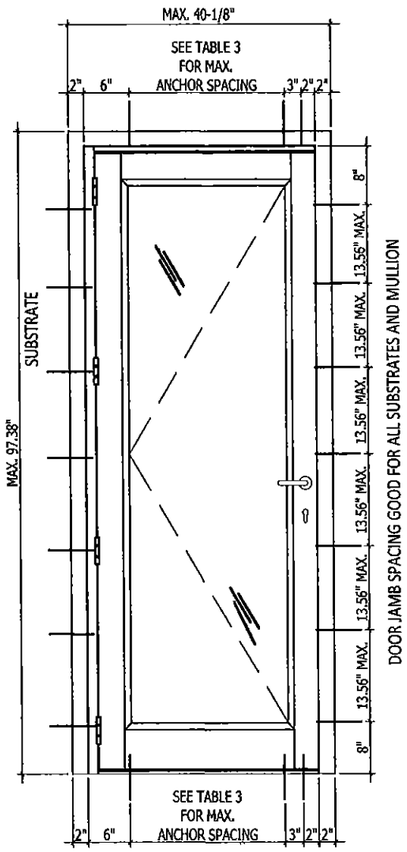
V.J. Knezevich
Professional Engineer
FL License No. PE 0010983

FEB 28 2013

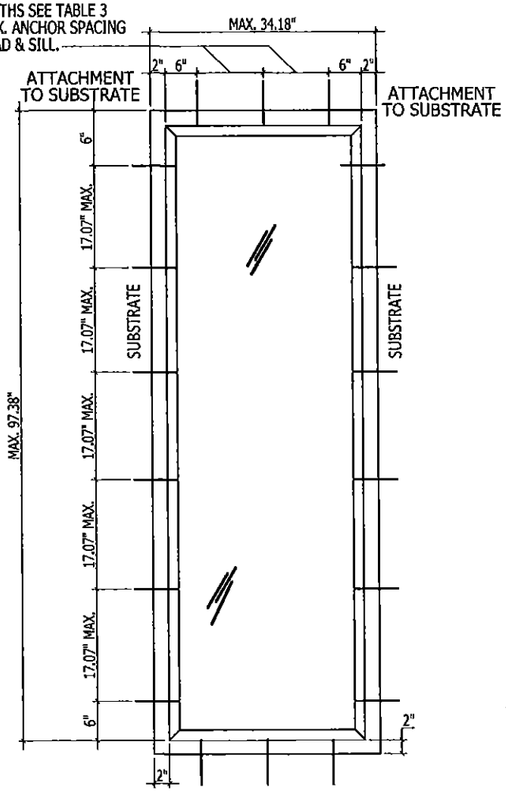
drawn by ARV | scale AS NOTED
date 02/28/2013
drawing no. 12-203
sheet 7 of 8



Q DOUBLE DOOR
N.T.S.



R SINGLE DOOR
N.T.S.



S SINGLE SIDELIGHT
N.T.S.

NOTE:

1. ALL ANCHORS SPACING SHOWN ABOVE IS THE MAXIMUM PERMITTED.

Approved as complying with the Florida Building Code
Date 7/23/13
NOA# 13-0306.02
Miami-Dade Product Control
By Ishaq I. Chanda

SERIES CONTINENTAL DOOR WITH SIDELITE

AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

KNEZEVICH ASSOCIATES
Consulting Engineers * COA 27989
2590 S.W. 105th Terrace * Davie, Florida 33324
T (954) 821-6933 * VJ@Knezevich-Associates.com
www.Knezevich-Associates.com

Copyright © 2012 VJKnezevich & Associates, LLC d/b/a Knezevich Associates

revisions

no	date	by	description

V.J. Knezevich
Professional Engineer
FL License No - PE 0010983

FEB 28 2013

drawn by	scale
ARV	AS NOTED

date 02/28/2013

drawing no.
12-203

sheet 8 of 8