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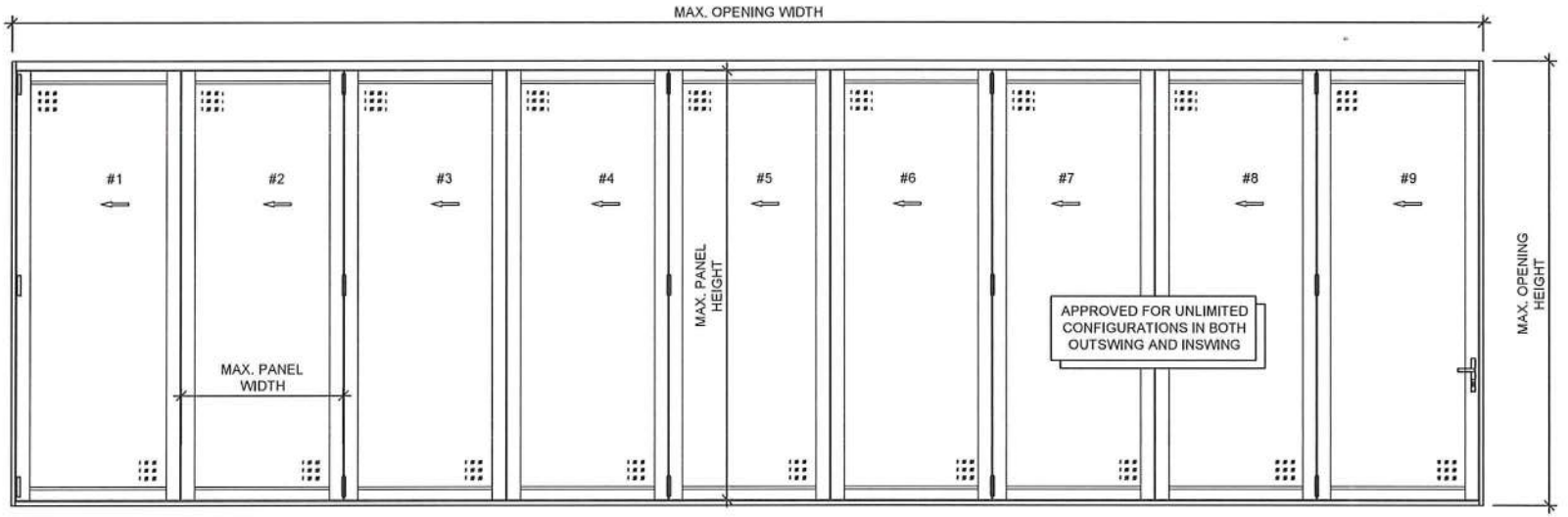
DESIGN PRESSURE RATING VARIES SEE TABLE 2	LARGE AND SMALL MISSILE IMPACT RESISTANT	WATER INFILTRATION RATING= VARIES



GENERAL NOTES:

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (5TH EDITION), INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE REQUIRED MIN. EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

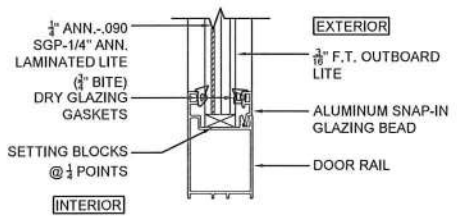
5) 1/4" MAX. SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

6) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TESTING AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TESTING AND GLASS PER ASTM E1300.

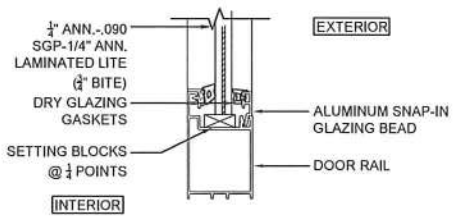
7) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT, THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

10) PRODUCT TESTED TO TAS 201, TAS 202 AND TAS 203 (SEE EVALUATION REPORT FOR SPECIFICS)



GLAZING DETAIL (GT-1)
SCALE: NTS



GLAZING DETAIL (GT-2)
SCALE: NTS

THOMAS D. SULLIVAN LICENSE No 58258 STATE OF FLORIDA PROFESSIONAL ENGINEER

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IB&B Engineering Consultants, LLC
DATE: THOMAS D. SULLIVAN NO. 58258 FLORIDA PROFESSIONAL ENGINEER

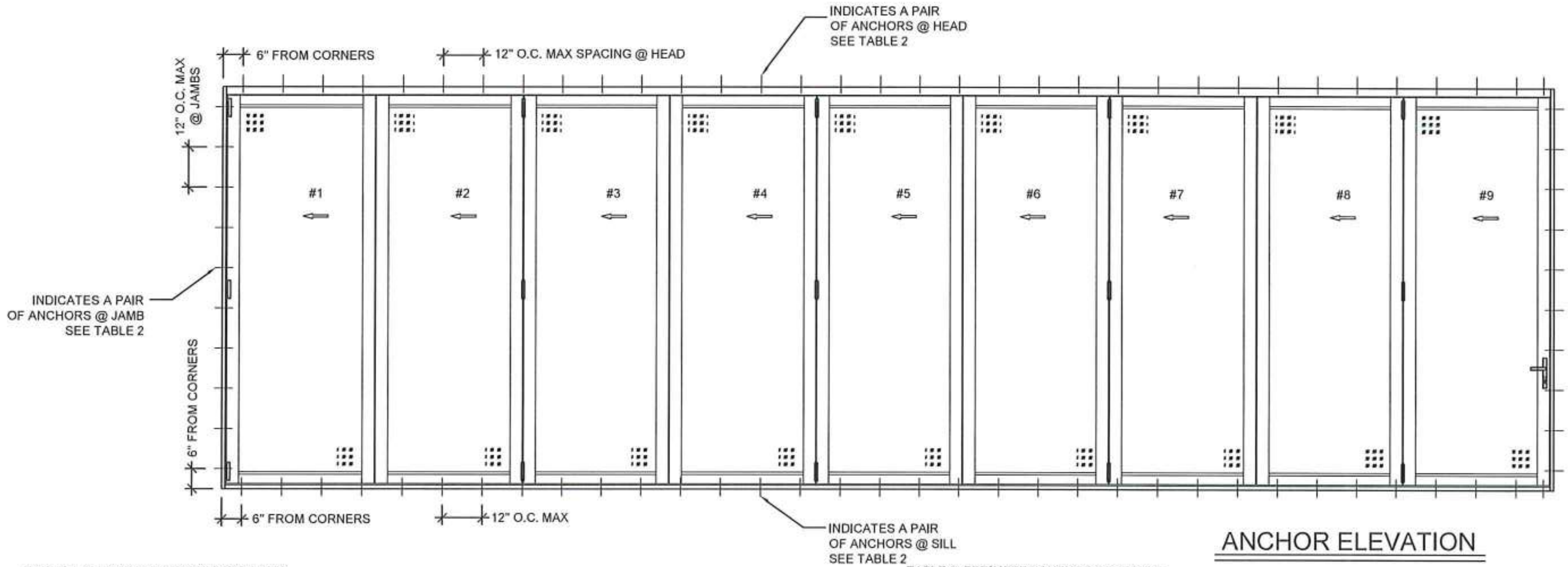
VISTA FOLD BI-FOLD ALUMINUM DOOR

DATE: 9/28/2016
DRAWN BY: TOM SULLIVAN
DESIGN: TOM SULLIVAN

PREPARED FOR:
EURO-WALL
24100 Tiseo Blvd.
Port Charlotte, FL 33980
1.888.989.3876
info@euro-wall.com

SHEET 1 OF 7

euro wall
SUPERIOR BY DESIGN



ANCHOR ELEVATION

TABLE 1: ALLOWABLE DESIGN PRESSURES

Allowable Design Pressures by Panel Size (± psf)

Panel Height (Inches)	Panel Width (Inches)								
	20	24	28	32	36	40	44	48	52
72	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0
78	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0	75.0
84	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0	+60/-65
90	100.0	100.0	100.0	100.0	100.0	75.0	75.0	+60/-65	+60/-65
96	100.0	100.0	100.0	100.0	100.0	75.0	+60/-65	+60/-65	+60/-65
102	100.0	100.0	100.0	93.2	75.0	75.0	+60/-65	+60/-65	
108	75.0	96.9	83.7	75.0	75.0	+60/-65	+60/-65		
114	75.0	77.9	75.0	75.0	75.0	+60/-65	+60/-65		
120	75.0	75.0	75.0	72.9	+60/-65	+60/-61.6			
126	75.0	75.0	68.0	62.2	55.7	50.5			
132	75.0	65.4	58.6	51.5	46.1				
138	68.0	56.9	49.0	43.1	38.5				
144	57.3	47.9	41.2	36.3					

Note: Applies to both inswing and outswing configurations, segemented and radiused installations

TABLE 2: PERIMETER ANCHOR SCHEDULE

Building Structure	Fastener Type	Minimum Embed.	Minimum Edge Distance	Minimum on Center Spacing	Max. on Center Spacing	Notes:
Min. 2000 PSI Concrete	Tapcon 1/4"	1 3/4"	2 1/2"	3"	12"	
Min. 4000 PSI Concrete	Tapcon 1/4"	1 3/4"	2 1/2"	3"	12"	
SYP	5/16" Lag	1 1/2"	1 1/2"	4"	12"	G=0.55
SPF	5/16" Lag	2"	1 1/2"	4"	12"	G=0.46
Grout-Filled Masonry	Tapcon 1/4"	1 3/4"	2 1/2"	3"	12"	1800 psi
Light-Gage Framing	1/4"-20" HWH	3/4"	1"	3"	12"	18 ga. min
Metal Al. or Steel	1/4"-20" HWH	3/4"	1"	3"	12"	1/8" thick

NOTE: ALL ANCHORS TO HAVE A MAX. 1/4" SHIM SPACE

THOMAS D. SULLIVAN LICENSE No. 55358 STATE OF FLORIDA PROFESSIONAL ENGINEER

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THOMAS D. SULLIVAN NO. 55358 FLORIDA PROFESSIONAL ENGINEER

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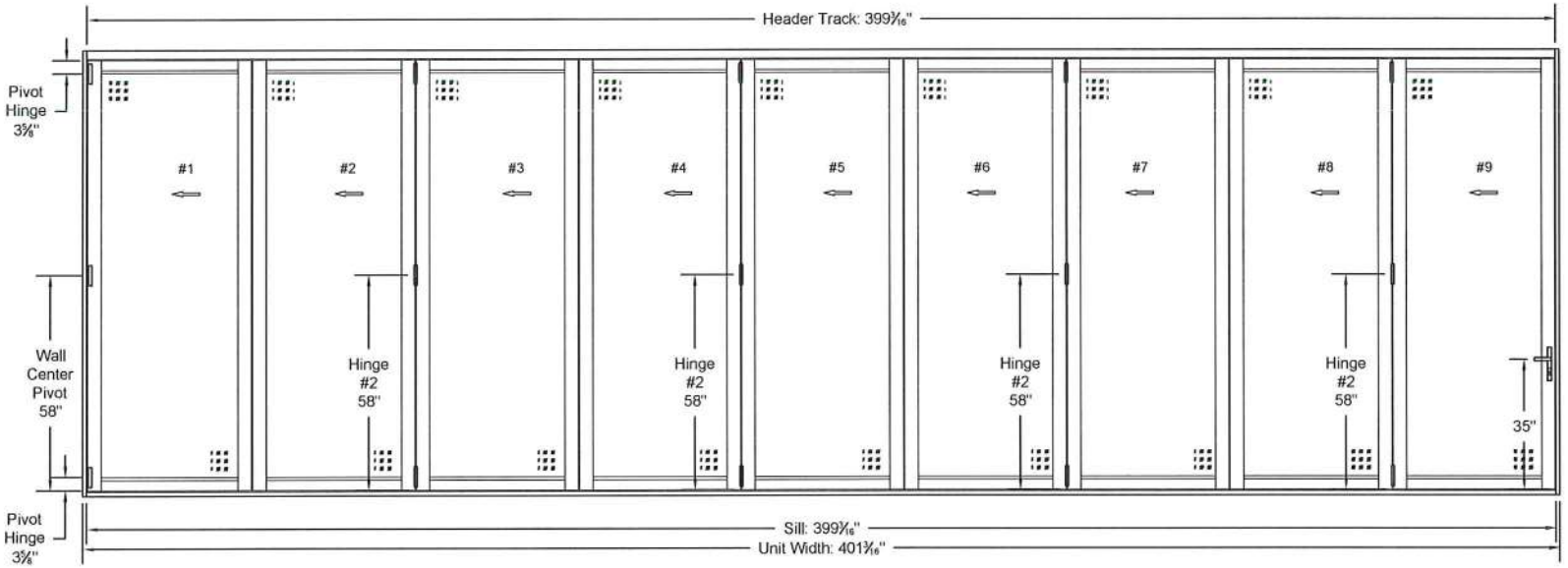

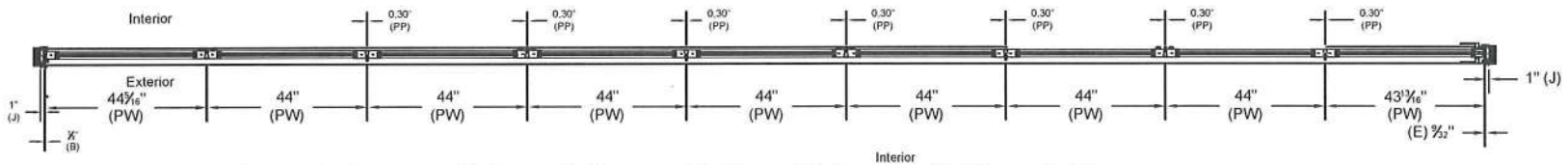

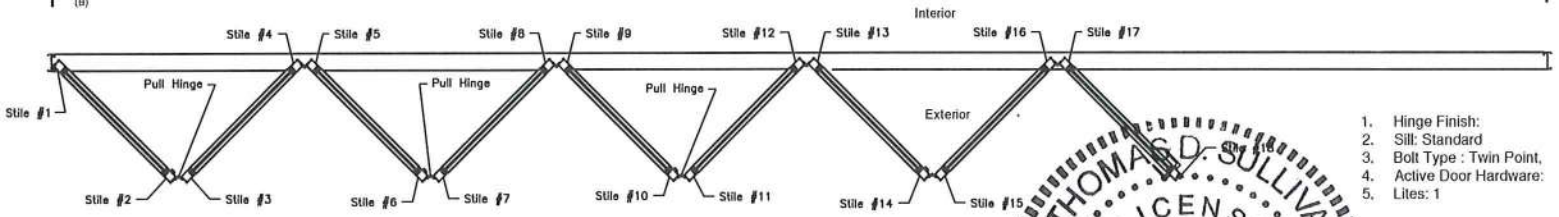

1. Hinge Finish:
2. Sill: Standard
3. Bolt Type : Twin Point,
4. Active Door Hardware:
5. Lites: 1

TYPICAL OUTSWING ELEVATION

SCALE: NTS

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VISTA FOLD BI-FOLD ALUMINUM DOOR

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SHEET 3 OF 7

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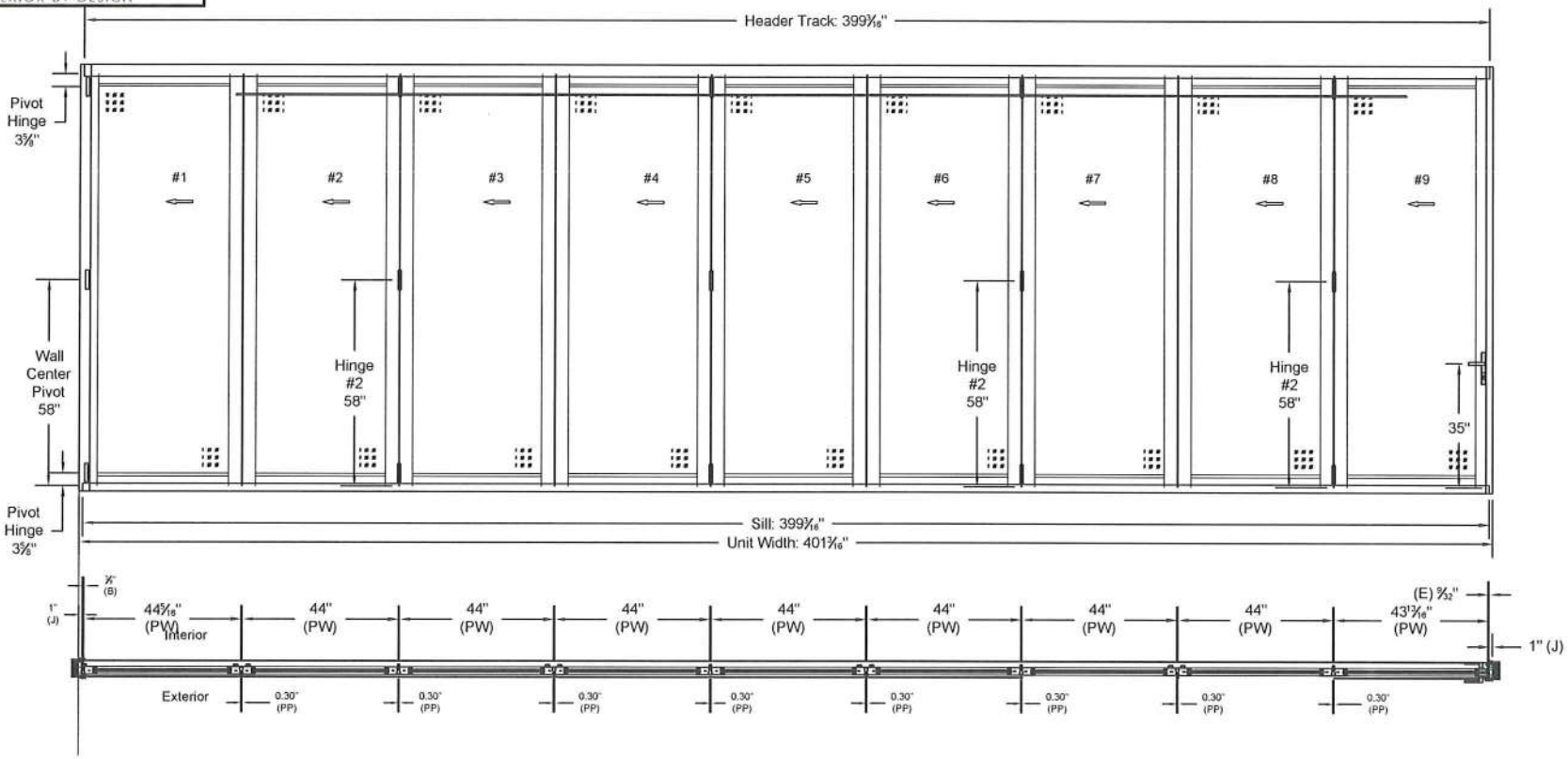

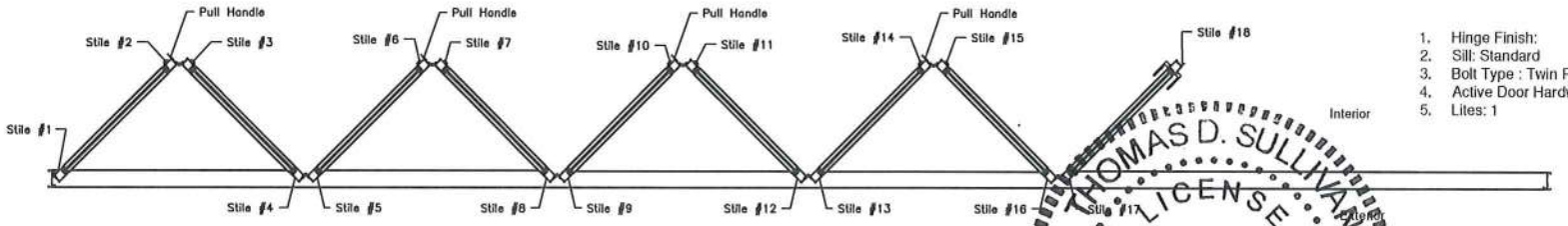

1. Hinge Finish:
2. Sill: Standard
3. Bolt Type : Twin Point,
4. Active Door Hardware:
5. Lites: 1

TYPICAL INSWING ELEVATION

SCALE: NTS

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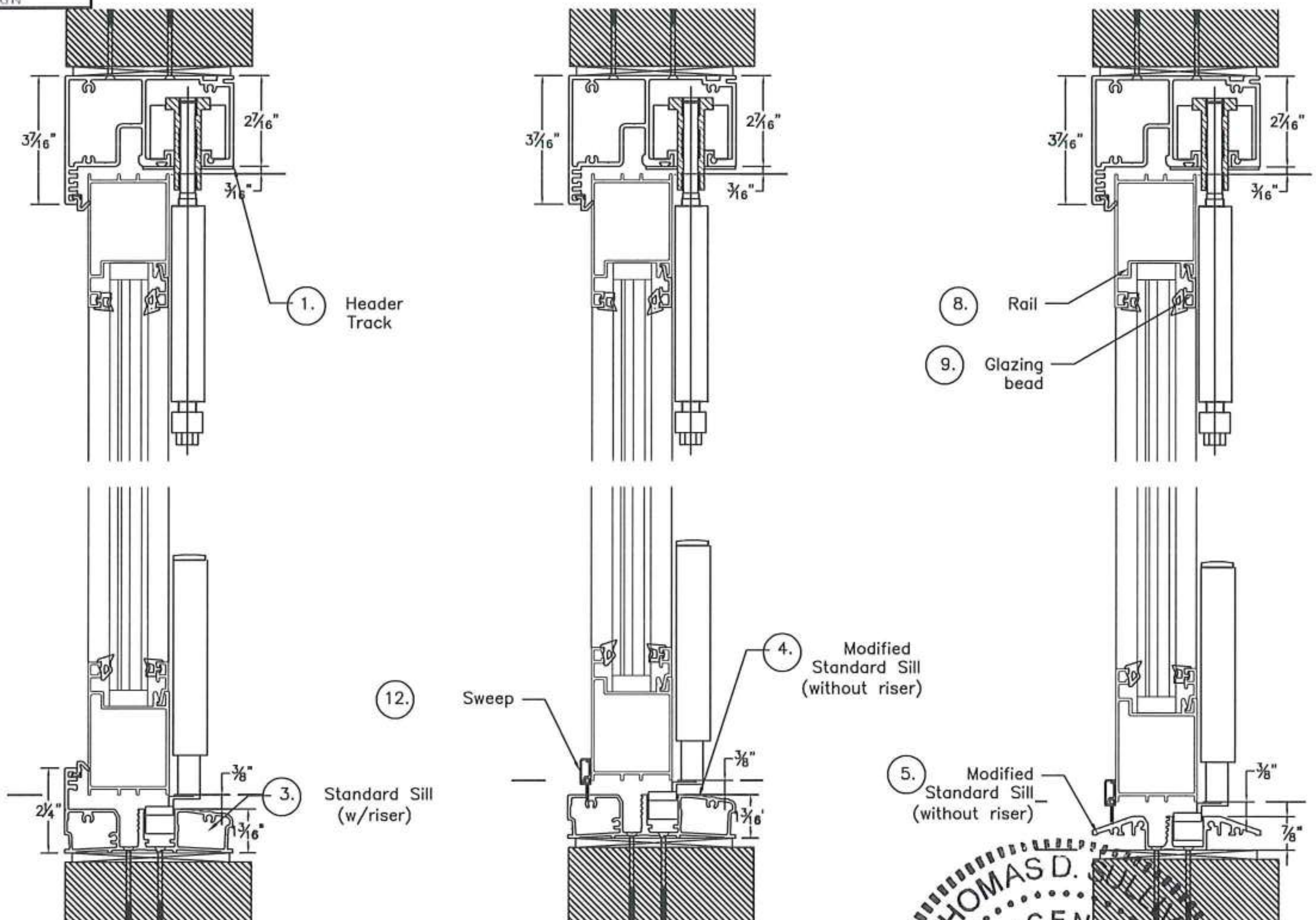

Vertical Cross Section (Option 1: Standard Sill) (9.0 PSF WATER INFILTRATION RATING

Vertical Cross Section (Option 2: Modified Standard Sill) NOT RATED FOR WATER INFILTRATION

Vertical Cross Section (Option 3: ADA Sill) NOT RATED FOR WATER INFILTRATION

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VISTA FOLD BI-FOLD ALUMINUM DOOR

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SHEET 5 OF 7

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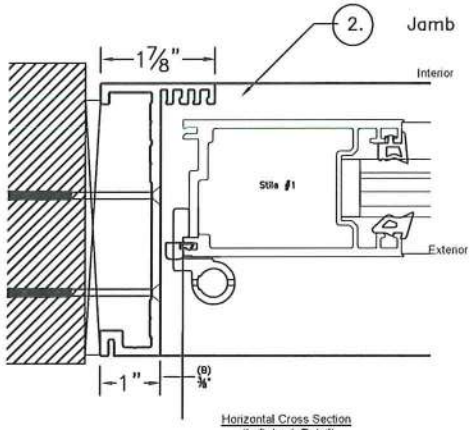
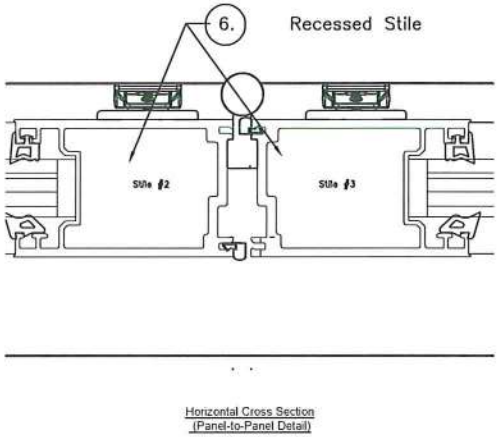
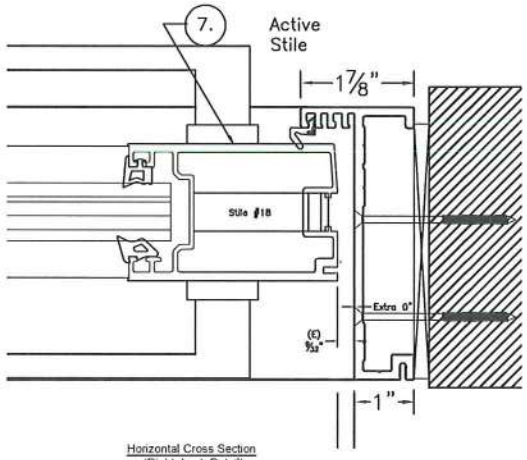


Horizontal Cross Section
(Left Jamb Detail)

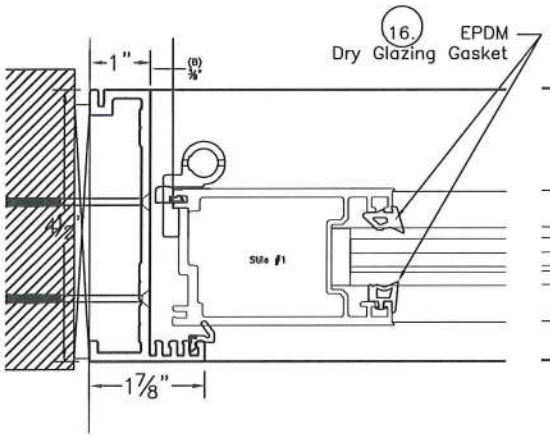


Horizontal Cross Section
(Panel-to-Panel Detail)

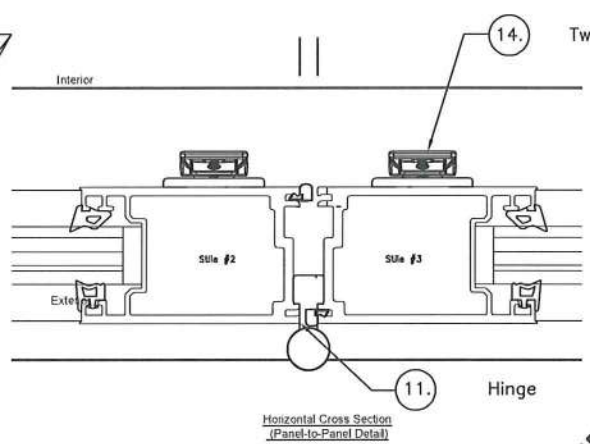


Horizontal Cross Section
(Right Jamb Detail)

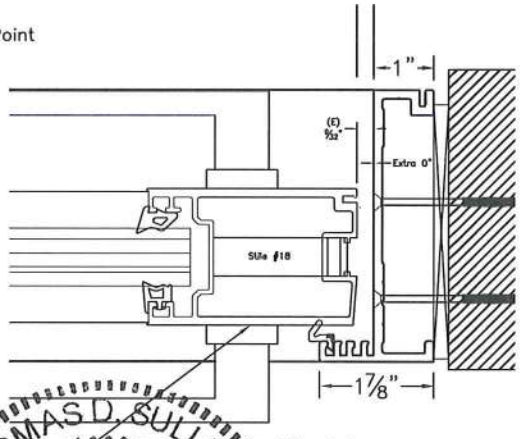
OUTSWING



Horizontal Cross Section
(Left Jamb Detail)



Horizontal Cross Section
(Panel-to-Panel Detail)



Horizontal Cross Section
(Right Jamb Detail)

INSWING

3. Lock

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VISTA FOLD BI-FOLD ALUMINUM DOOR

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DESIGN: TOM SULLIVAN

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info@euro-wall.com

SHEET 6 OF 7

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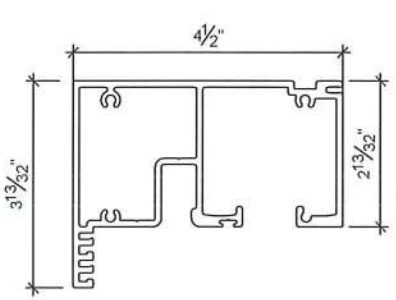
Folding Door - C3 - BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER
1	C3 Header	Header Track	Aluminum 6063 - T5	SAPA
2	C3 Jamb	Jamb	Aluminum 6063 - T5	SAPA
3	C3-Sill-St	Standard Sill (with riser)	Aluminum 6063 - T5	SAPA
4	C3-Sill-St (m)	Modified Standard Sill	Aluminum 6063 - T5	SAPA
5	C3-Sill-ADA	ADA Sill	Aluminum 6063 - T5	SAPA
6	C3-R Stile	Recessed Stile	Aluminum 6063 - T5	SAPA
7	C3-MP Stile	Active Stile	Aluminum 6063 - T5	SAPA
8	C3-Rail	Rail	Aluminum 6063 - T5	SAPA
9	C3-Bead	Glazing Bead	Aluminum 6063 - T5	SAPA
10	C3-Ast	Astragal	Aluminum 6063 - T5	SAPA
11	C3-Hinge	Hinges	Assembly	EuroWall
12	C3-Swp	Sweep	Rubber	EuroWall
13	C3-MPL	Multipoint Lock	Assembly (304 SS)	EuroWall
14	C3-TPL	Twinpoint Lock	Assembly (304 SS)	EuroWall
15	C3-Glass	Glass		
16	C3-DGG	EPDM Dry Glazing Gaskets	ASTM C 864-05	Trelleborg
17				
18				



1 HEADER TRACK
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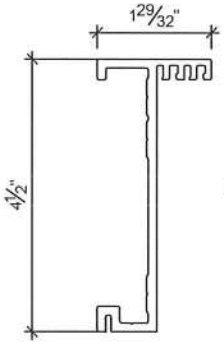
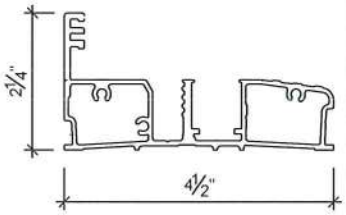
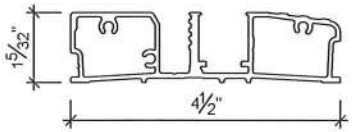


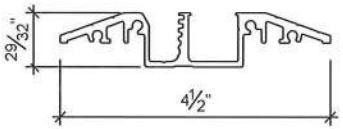
2 JAMB
SCALE: NTS



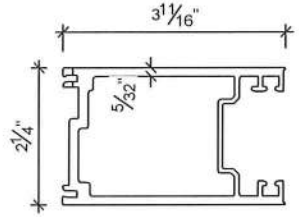
3 STANDARD SILL W/RISER
SCALE: NTS



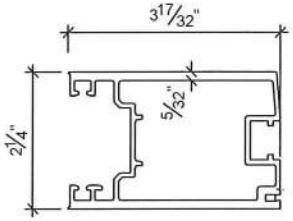
4 MOD STANDARD SILL W/O RISER
SCALE: NTS



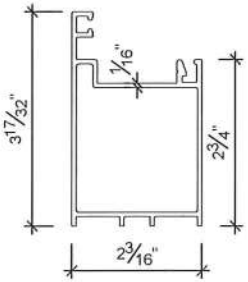
5 ADA SILL
SCALE: NTS



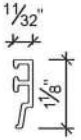
6 RECESSED STILE
SCALE: NTS



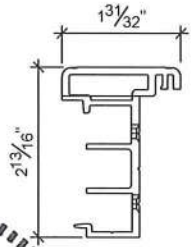
7 ACTIVE STILE
SCALE: NTS
DOES NOT APPLY IF EVEN NUMBER OF PANELS IN CARRIER



8 PANEL RAIL
SCALE: NTS



9 GLAZING BEAD
SCALE: NTS



10 ASTRAGAL
SCALE: NTS
DOES NOT APPLY TO SINGLE CARRY SYSTEMS (EX. 0L-4R)

THOMAS D. SULLIVAN LICENSE No. 55358 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Office: 866-345-1323

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THOMAS D. SULLIVAN, PE 55358
FLORIDA PROFESSIONAL ENGINEER

VISTA FOLD BI-FOLD ALUMINUM DOOR

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DRAWN BY: TOM SULLIVAN
DESIGN: TOM SULLIVAN

PREPARED FOR:
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Port Charlotte, FL 33980
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info@euro-wall.com

SHEET 7 OF 7

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954.744.4738 FX
contact@buildingdrops.com

December 4, 2017

TO: **Whom It May Concern**

FROM: **Hermes F. Norero, P.E.**
Registered Florida Professional Engineer #73778

MANUFACTURER: **Euro-Wall Systems**
1211 Stirling Road, Unit 102,
Dania Beach, FL 33004

FLORIDA PRODUCT APPROVAL #: **FL 17838-R1**

PRODUCT CATEGORY: **Exterior Doors**

SUBCATEGORY: **Swinging Exterior Door Assemblies**

SUBJECT: **Product Conformance to the 6th Edition (2017) Florida Building Code**

Dear Sir (Madam),

I have reviewed the referenced Florida Product Approval and associated documents and found all drawings, reports, referenced test standards, and associated ancillary tests as noted in the currently approved documents listed below to be in compliance with the 6th Edition of the Florida Building Code.

It has been concluded that no revisions or changes to the referenced standards and standard years has occurred between Chapter 35 of the 5th Edition and Chapter 35 of the 6th Edition of the Florida Building Code. Therefore, all test standards listed below are valid for the 6th Edition of the Florida Building Code.

SECTION	*INSTALLATION INSTRUCTIONS*	*EVAL. REPORT NUMBER*	*QUALITY ASSURANCE AGENCY*	*QUA. EXP.*	*TEST STDS.*
17838.1	Vista Fold Installation Drawings SandS 10-21-16	Vista Fold Evaluation Report	National Accreditation & Management Institute	12/31/2018	ASTM C864 05 ASTM E1886-08 ASTM E1996-08 TAS 201 1994 TAS 202 1994 TAS 203 1994

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To the best of my knowledge, all referenced & included test standards, methods of installation, details, and performance ratings have been found to comply with the 6th Edition of the Florida Building Code.

This product is manufactured under a quality assurance program currently approved by the Florida Building Commission.

Please note that I do not have, nor will I acquire, a financial interest in any company manufacturing or distributing the product(s) for which the reports are being issued.

I also do not have, nor will I acquire, any financial interest with the Laboratory that performed the test(s), or with the Engineer witnessing the test(s) and sealing the test report(s).

Respectfully submitted,

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2017.12.11 16:00:19 -05'00'

Hermes F. Norero, P.E.
Florida Registered Professional Engineer #73778