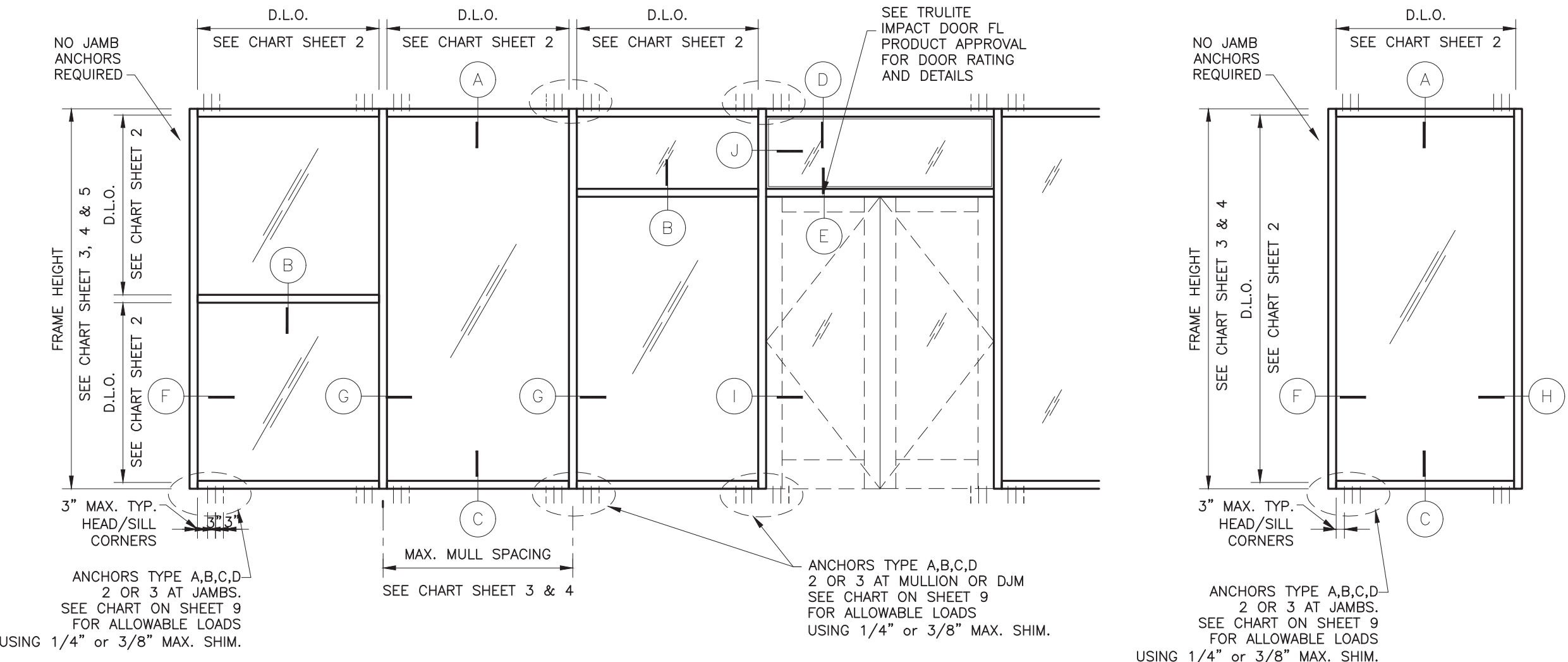


TRULITE SERIES IFG 5100 STOREFRONT SYSTEM - LARGE MISSILE IMPACT



TYPICAL ELEVATIONS

SERIES IFG 5100 STOREFRONT SYSTEM

THIS SYSTEM IS RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY 6TH EDITION (2017)/ 7TH EDITION (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE.

WOOD BUCKS, BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED AND SHOWN ON THE DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-16 STANDARD.
- STEP 2: SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON ASTM E-1300 AND PRODUCT TESTING.
- STEP 3: CHECK MULLION AND JAMB CAPACITY FOR GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3, 4 & 5. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4: USING CHART ON SHEET 8 & 9 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

LIMITATIONS OF USE

THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



GLASS & ALUMINUM SOLUTIONS™

<http://www.trulite.com>

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p. 800-432-8132

PRODUCT:

IFG-5100

ALUM. STOREFRONT

WINDOW WALL SYSTEM

LARGE-MISSILE IMPACT



BLAST & STORM PROTECTION™

REV#	DATE/REMARKS
1	3.28.14/REVISION
2	11.27.18/UPDATE TO 2017 FBC
3	7.9.20/UPDATE TO 2020 FBC

ENGINEER:



MCY ENGINEERING, INC.

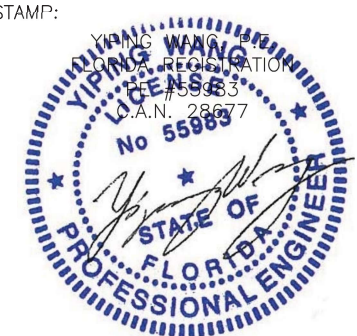
GLAZING CONSULTANT

12781 MIRAMAR PKWY. STE 301
MIRAMAR, FL 33027

P: 305-271-0117

Email: MCY@MCYEngineering.com
www.MCYEngineering.com

STAMP:



November 03rd, 2020

PRODUCT CONTROL APPROVAL:

FL #17585

DRAWN: TRULITE	DRAWING No:
DATE: 07.09.20	1 OF 12
DWG: AD14-05	

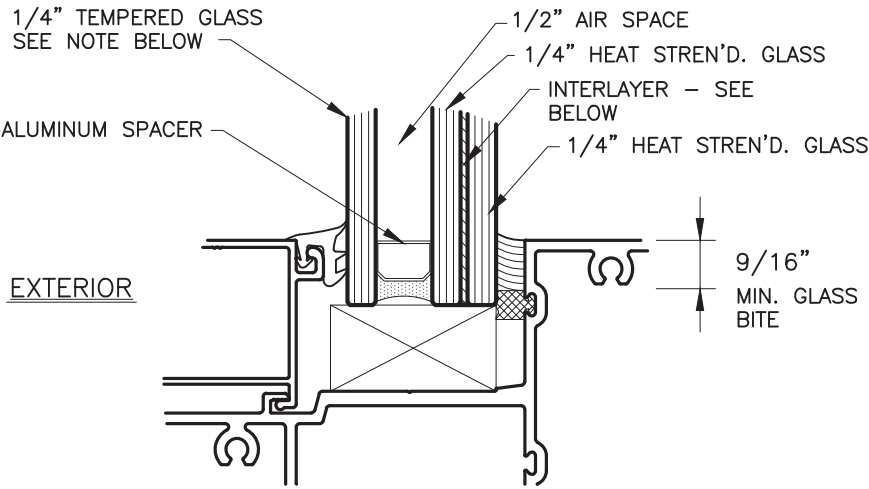
DESIGN LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE "A"	GLASS TYPE "B"
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
≤30"	67"	100.0	100.0
36"		100.0	100.0
40"		100.0	80.0
45"		100.0	80.0
51"		100.0	80.0
56"		80.0	80.0
≤30"	79"	100.0	100.0
36"		100.0	80.0
40"		100.0	80.0
45"		100.0	80.0
48"		80.0	80.0
≤24"		100.0	100.0
30"	91"	100.0	80.0
36"		100.0	80.0
40"		80.0	80.0
42"		80.0	80.0
≤24"	103"	100.0	100.0
30"		100.0	80.0
36"		80.0	80.0
≤18"		100.0	100.0
24"	115"	100.0	80.0
30"		100.0	80.0
33"		80.0	80.0
≤18"		100.0	100.0
24"	127"	100.0	80.0
30"		80.0	80.0
≤18"		100.0	100.0
24"	139"	100.0	80.0
27.5"		80.0	80.0

DESIGN LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE "C"	GLASS TYPE "D"
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
≤30"	67"	80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
45"		80.0	80.0
51"		80.0	80.0
57.5"		55.0	80.0
≤30"	79"	80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
45"		55.0	55.0
51"		55.0	55.0
57.5"		55.0	55.0
≤30"	91"	80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
45"		55.0	55.0
51"	103"	55.0	55.0
57.5"		55.0	55.0
≤30"		80.0	80.0
36"		80.0	80.0
40"	103"	55.0	55.0
45"		55.0	55.0
51"		55.0	55.0
57.5"		55.0	55.0

NOTE:
GLASS CHECKED PER ASTM
E1300-9 AND TESTING

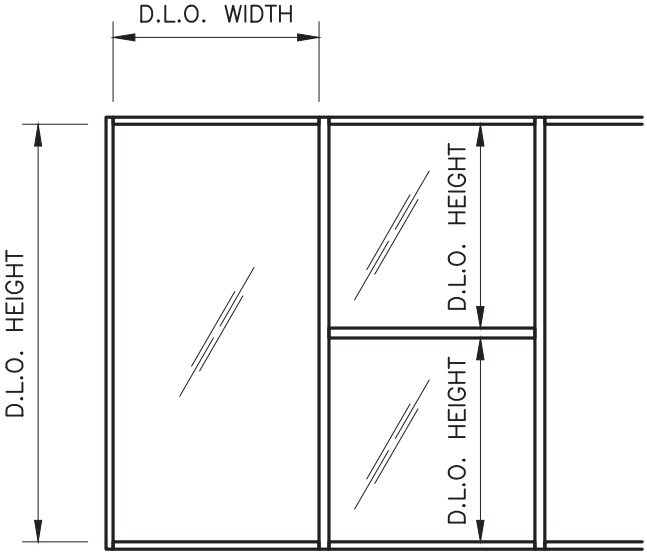
DESIGN LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE "C"	GLASS TYPE "D"
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
≤30"	114.5"	80.0	80.0
36"		55.0	55.0
40"		55.0	55.0
45"		55.0	55.0
51"		55.0	55.0
57.5"		55.0	55.0
≤30"	127"	80.0	—
≤27.5"	139"	80.0	—

TYPICAL GLAZING DETAIL



GLASS TYPES

- "A" – .100" SENTRYGLAS
INTERLAYER BY KURARAY AMERICA, INC.
- "B" – .100" SAFLEX HP
INTERLAYER BY EASTMAN
CHEMICAL COMPANY
- "C" – .090" SENTRYGLAS
INTERLAYER BY KURARAY AMERICA, INC.
- "D" – .090" PVB INTERLAYER TROSIFOL
BY KURARAY AMERICA, INC.



STEP 2: GLASS OPTION

PRODUCT:

IFG-5100
ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT

Resistor
BLAST & STORM PROTECTION™

REVN	DATE/REMARKS
1	3.28.14/REVISION
2	11.27.18/UPDATE TO 2017 FBC
3	7.9.20/UPDATE TO 2020 FBC

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PKWY. STE 301
MIRAMAR, FL 33027
P: 305-271-0117
Email: MCY@MCYEngineering.com
www.MCYEngineering.com

STAMP:



November 03rd, 2020

PRODUCT CONTROL APPROVAL:

FL #17585

DRAWN: TRULITE

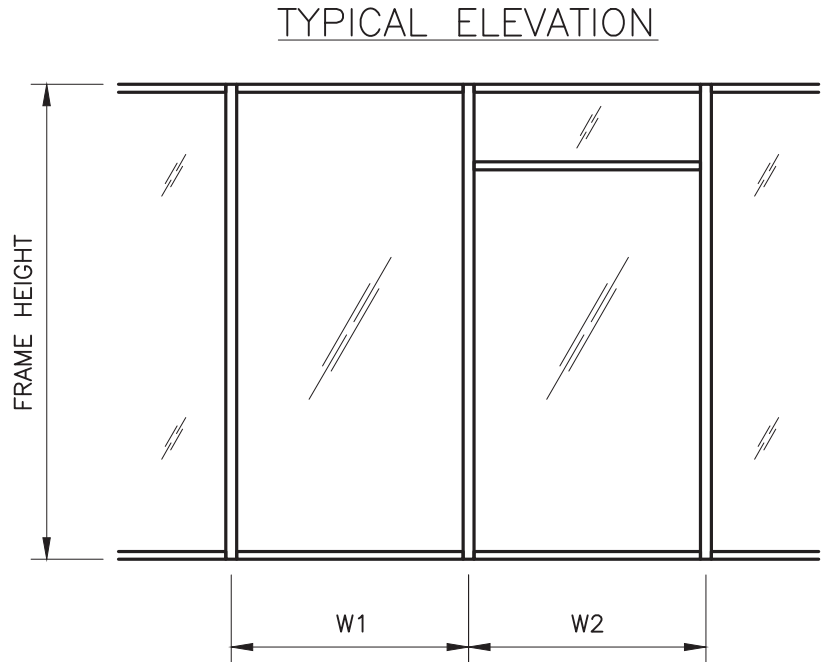
DATE: 07.09.20

DWG: AD14-05

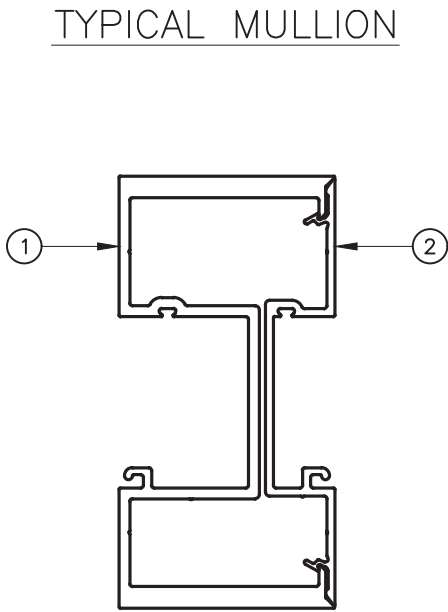
DRAWING No:

2 OF 12

MULLION LOAD CAPACITY – PSF 51501/51506 MULLION			MULLION LOAD CAPACITY – PSF 51501/51506 MULLION		
NOMINAL DIMS.		MAX. Pd	NOMINAL DIMS.		MAX. Pd
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)
≤24"	60"	100.0	≤24"	108"	80.0
30"		100.0	30"		80.0
36"		100.0	36"		80.0
42"		100.0	42"		55.0
48"		100.0	48"		55.0
54"		100.0	54"		55.0
60"		100.0	60"		55.0
24"	72"	100.0	24"	120"	80.0
30"		100.0	30"		80.0
36"		100.0	36"		80.0
42"		100.0	42"		55.0
48"		100.0	48"		55.0
54"		100.0	54"		55.0
60"		80.0	60"		55.0
24"	84"	100.0	24"	132"	80.0
30"		100.0	30"		80.0
36"		100.0	32"		80.0
42"		100.0	24"	144"	80.0
48"		100.0	28"		68.6
54"		55.0	30"		64.0
60"		55.0			
24"	96"	80.0			
30"		80.0			
36"		80.0			
42"		80.0			
48"		55.0			
54"		55.0			
60"		55.0			



WIDTH (W) = $\frac{W1 + W2}{2}$



51501/51506

STEP 3A: MULLION LOAD CAPACITY



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PRODUCT:

IFG-5100
ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT

**Resistor**
BLAST & STORM PROTECTION™

REVN	DATE/REMARKS
1	3.28.14/REVISION
2	11.27.18/UPDATE TO 2017 FBC
3	7.9.20/UPDATE TO 2020 FBC

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

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P: 305-271-0117
Email: MCY@MCYEngineering.com
www.MCYEngineering.com

STAMP:



YIPING WANG
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE # 55983
P.E. # 17583
C.A.N. 28677

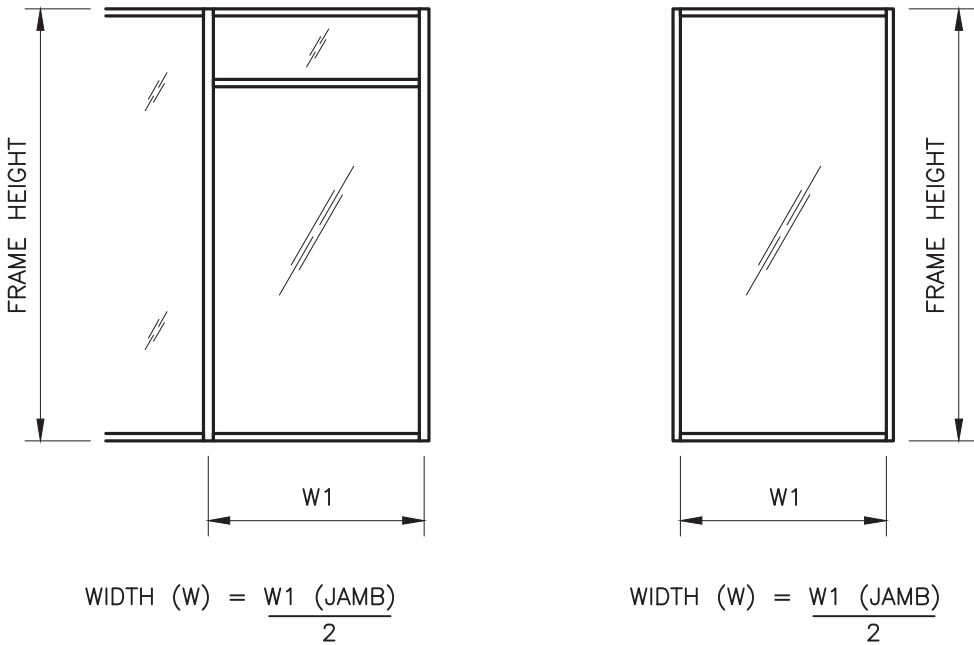
November 03rd, 2020

PRODUCT CONTROL APPROVAL:

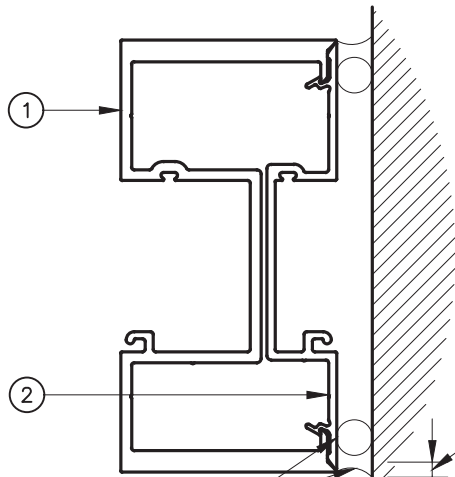
FL #17585

JAMB LOAD CAPACITY – PSF 51501/51506 JAMB			JAMB LOAD CAPACITY – PSF 51501/51506 JAMB		
NOMINAL DIMS.		MAX. Pd	NOMINAL DIMS.		MAX. Pd
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)
≤12”	60”	100.0	≤12”	108”	80.0
15”		100.0	15”		80.0
18”		100.0	18”		80.0
21”		100.0	21”		55.0
24”		100.0	24”		55.0
27”		100.0	27”		55.0
30”		100.0	30”		55.0
12”	72”	100.0	12”	120”	80.0
15”		100.0	15”		80.0
18”		100.0	18”		80.0
21”		100.0	21”		55.0
24”		100.0	24”		55.0
27”		100.0	27”		55.0
30”		80.0	30”		55.0
12”	84”	100.0	12”	132”	80.0
15”		100.0	15”		80.0
18”		100.0	18”		80.0
21”		100.0	12”	144”	80.0
24”		100.0	15”		80.0
27”		55.0			
30”		55.0			
12”	96”	80.0			
15”		80.0			
18”		80.0			
21”		80.0			
24”		55.0			
27”		55.0			
30”		55.0			

TYPICAL ELEVATION



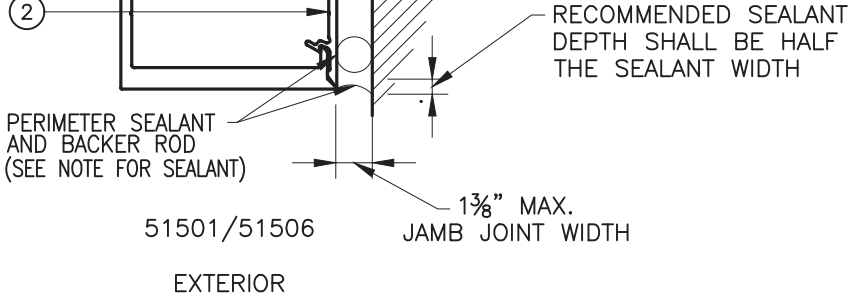
TYPICAL JAMB



SEALANT NOTES:

PERIMETER SEALANT OPTIONS:
DOWSIL 790 OR EQUAL (SILICONE)
TREMCO SPECTREM 2 & 3 (SILICONE)
TREMCO DYMONIC FC (URETHANE)
SONNEBORN SOLOLASTIC 150 (ELASTOMERIC)

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





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PRODUCT:

IFG-5100
ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT



BLAST & STORM PROTECTION™

REVN	DATE/REMARKS
1	3.28.14/REVISION
2	11.27.18/UPDATE TO 2017 FBC
3	7.9.20/UPDATE TO 2020 FBC

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

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MIRAMAR, FL 33027
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STAMP:



November 03rd, 2020

PRODUCT CONTROL APPROVAL:

FL #17585

UN—REINFORCED

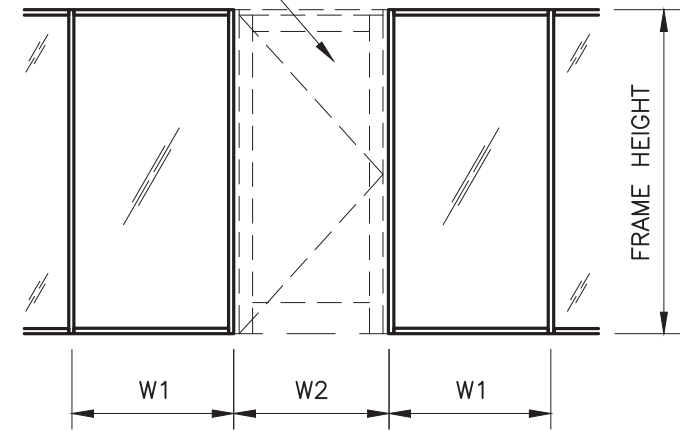
DOOR JAMB LOAD CAPACITY — PSF 50512/51506 JAMB		
NOMINAL DIMS.		MAX. Pd
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (—)
≤24"	84"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
72"		80.0
24"	96"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
72"		—
24"	108"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		77.0
54"		68.0
60"		61.0
66"		—
72"		—
24"	120"	80.0
30"		80.0
36"		76.0
42"		65.0
48"		57.0
54"		50.0
60"		—
66"		—

REINFORCED

DOOR JAMB LOAD CAPACITY — PSF 50512/51506 JAMB		
NOMINAL DIMS.		MAX. Pd
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (—)
≤24"	84"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
72"		80.0
24"	96"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
72"		—
24"	108"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
72"		—
24"	120"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		80.0
54"		75.0
60"		—
66"		—

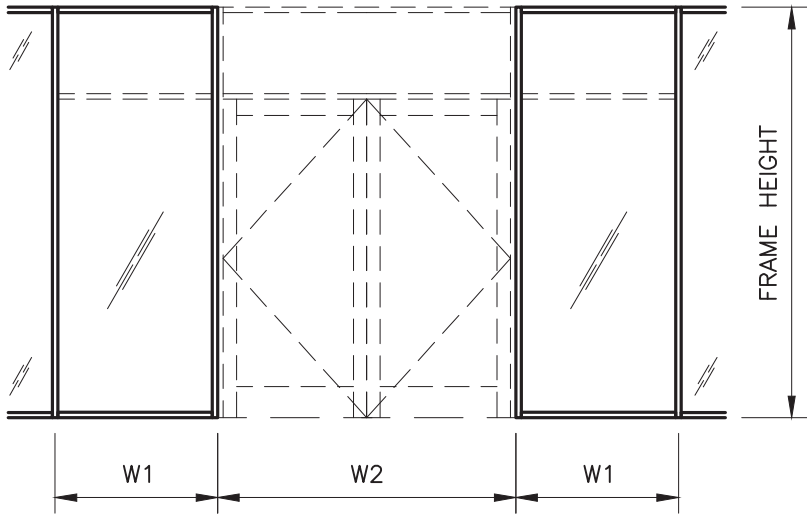
TYPICAL ELEVATION

"TRULITE" DOORS
SEE SEPARATE NOA



WIDTH (W) = $\frac{W1 + W2}{2}$ (MULLION)

WIDTH (W) = W1 (JAMB)

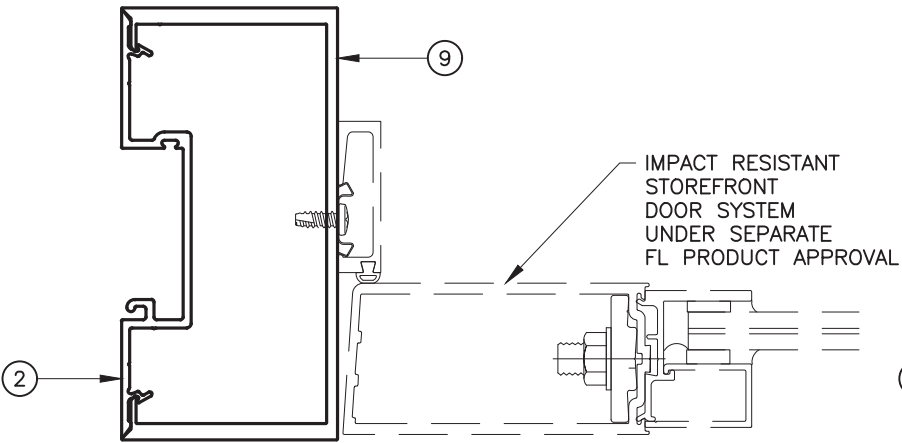


WIDTH (W) = $\frac{W1 + W2}{2}$ (MULLION)

WIDTH (W) = W1 (JAMB)

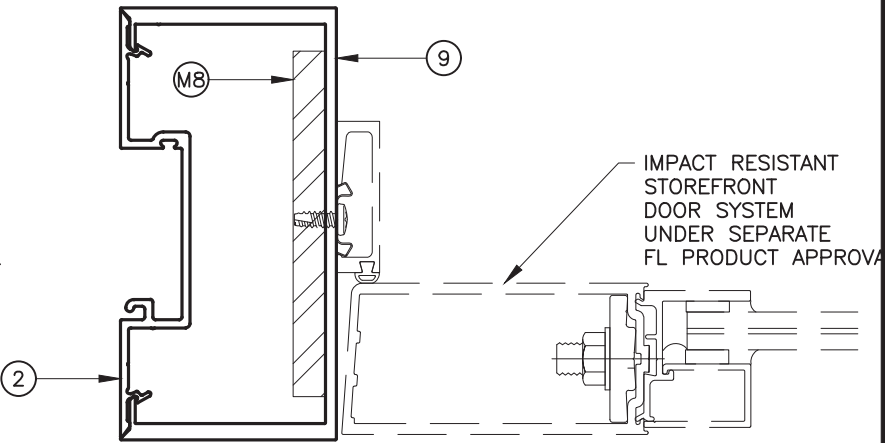
TYPICAL DOOR JAMB

UN—REINFORCED



51506/50512

REINFORCED



51506/50512 WITH
3/8" x 4" FLAT STEEL
REINFORCING

STEP 3C: DOOR JAMB CAPACITY



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PRODUCT:

IFG-5100

ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT



BLAST & STORM PROTECTION™

REVN	DATE/REMARKS
1	3.28.14/REVISION
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ENGINEER:



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STAMP:



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FLORIDA REGISTRATION
No. 55983
C.A.N. 28677
STATE OF FLORIDA
PROFESSIONAL ENGINEER

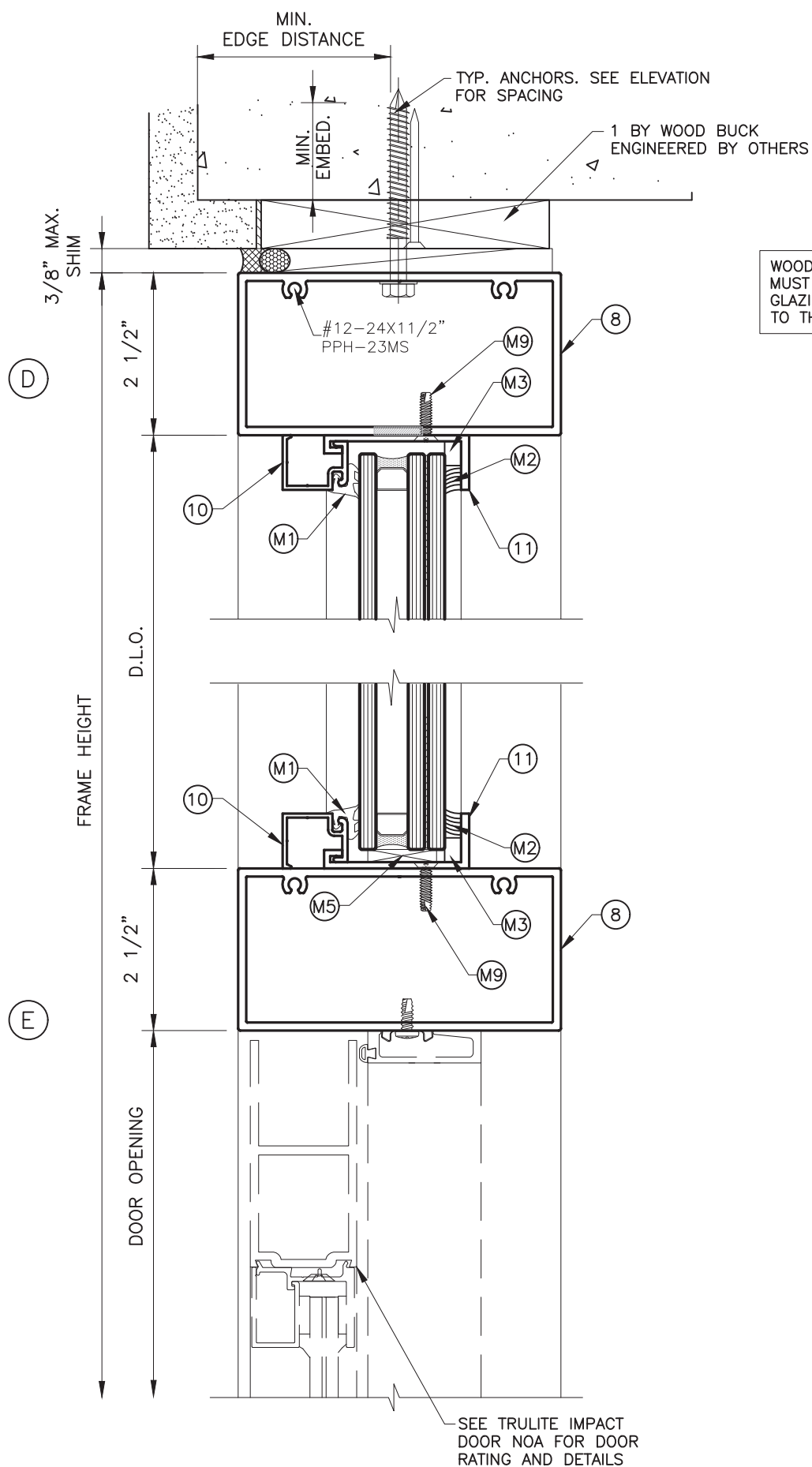
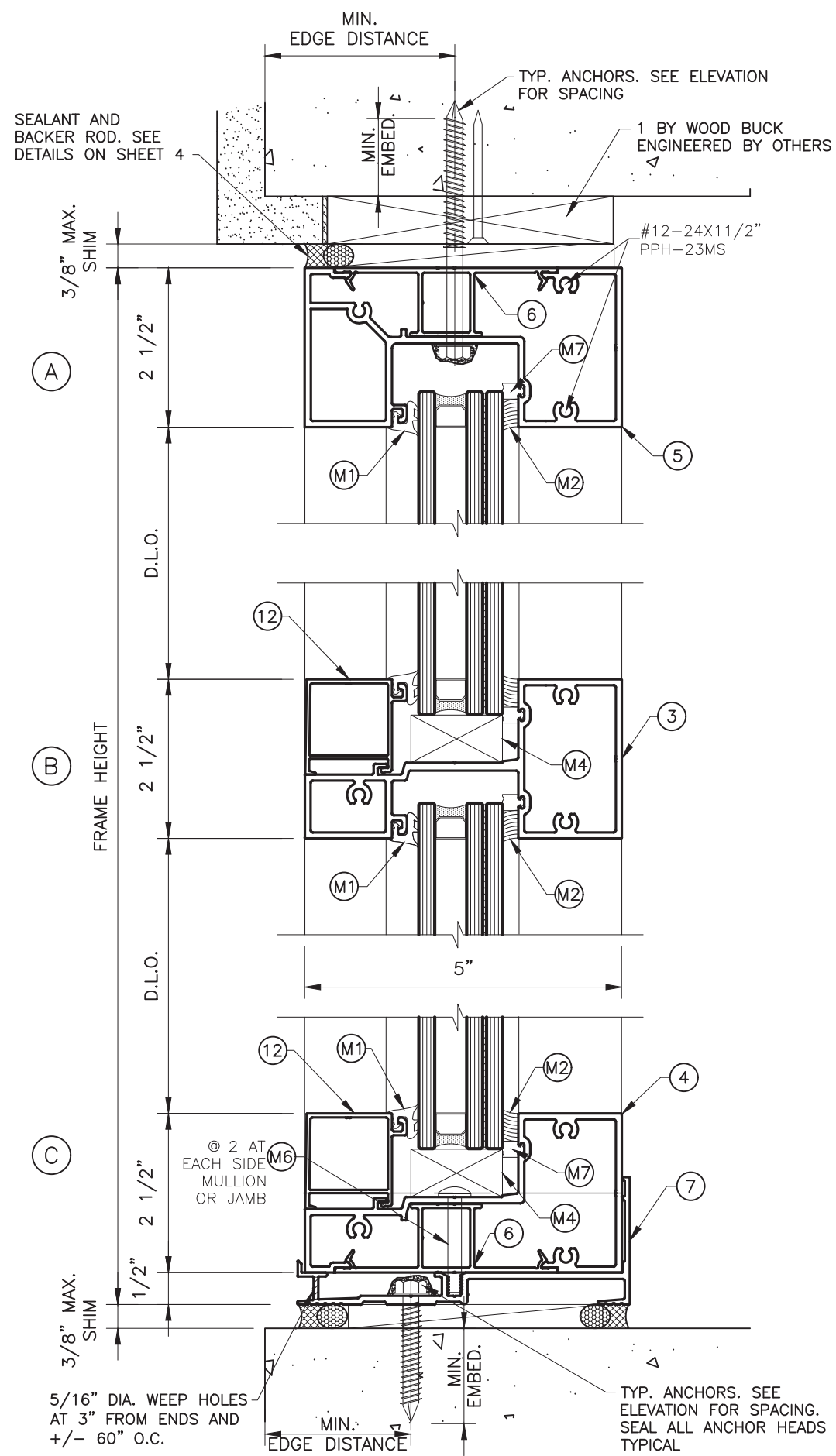
November 03rd, 2020

PRODUCT CONTROL APPROVAL:

FL #17585

DRAWN: TRULITE
DATE: 07.09.20
DWG: AD14-05

DRAWING No:
5 OF 12



WOOD BUCKS NOT BY TRULITE
MUST SUPPORT LOADS IMPOSED BY
GLAZING SYSTEM AND TRANSFER THEM
TO THE BUILDING STRUCTURE.

** REFER TO CHARTS FOR DESIGN LOAD V.S. MAX. SHIM.

Trulite
GLASS & ALUMINUM SOLUTIONS™
<http://www.trulite.com>
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PRODUCT:
IFG-5100
ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT



REVN	DATE/REMARKS
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ENGINEER:

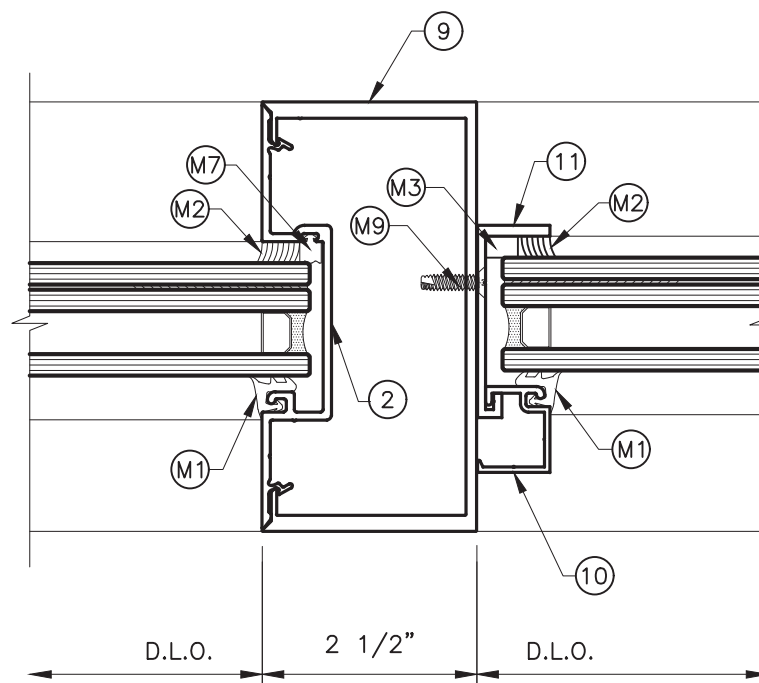
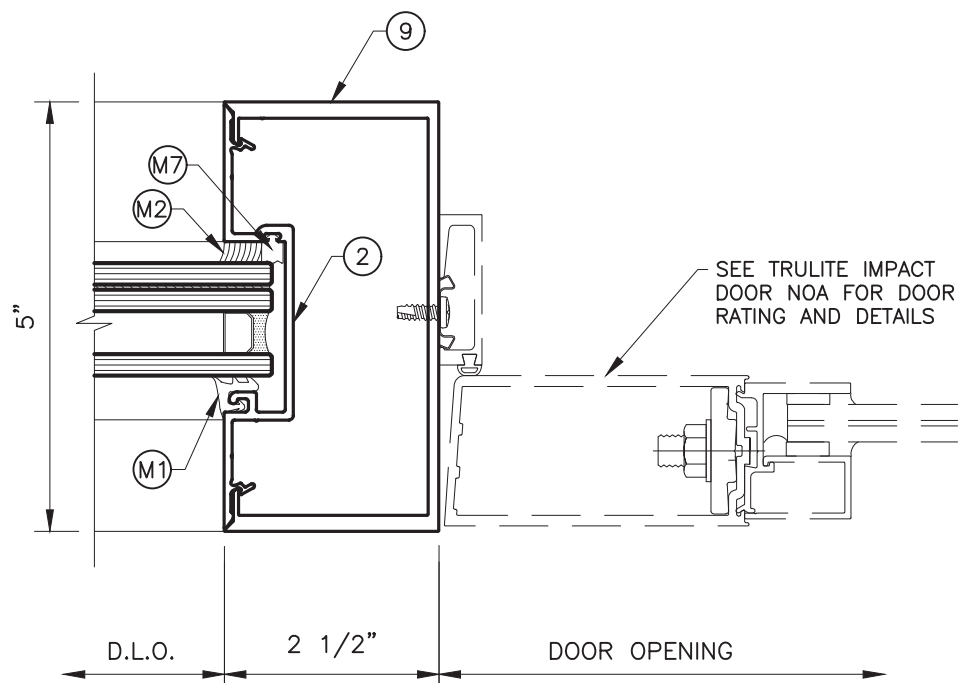
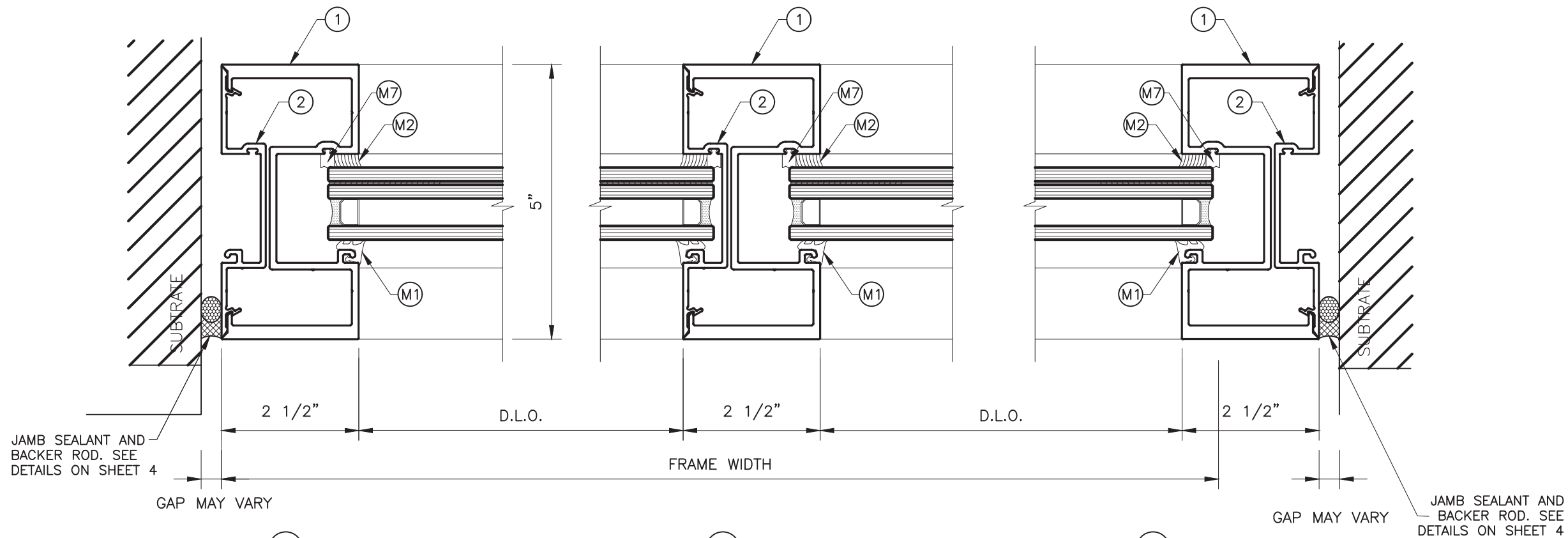
MCY ENGINEERING, INC.
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November 03rd, 2020

PRODUCT CONTROL APPROVAL:

FL #17585



PRODUCT:
IFG-5100
ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT

Resistor
BLAST & STORM PROTECTION™

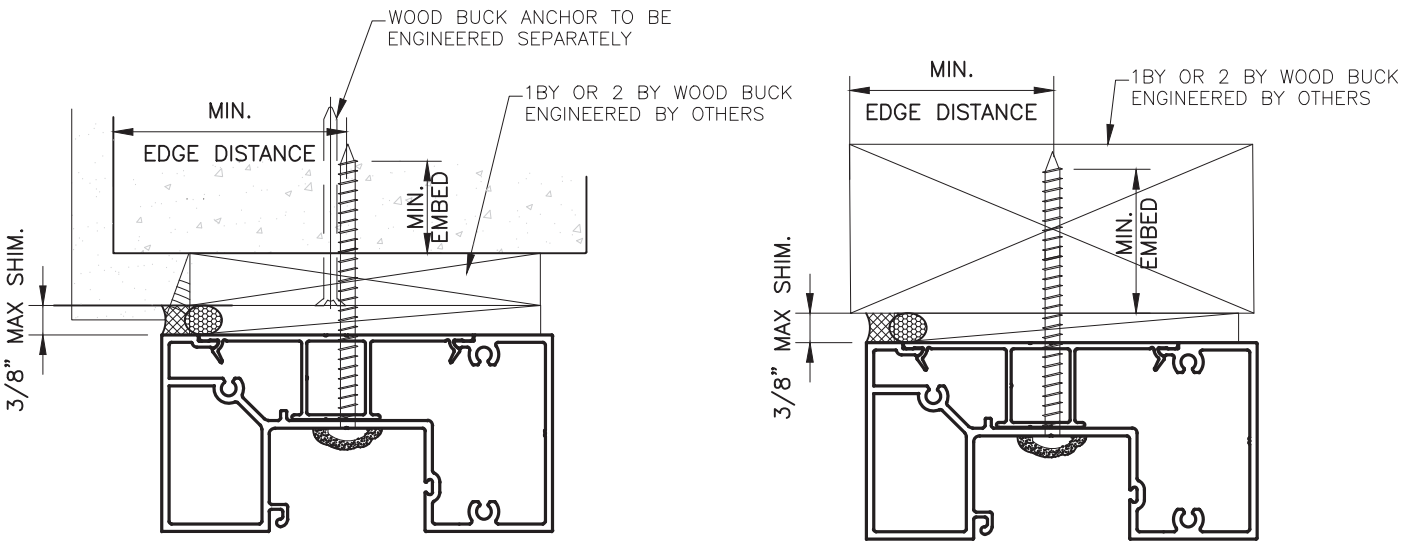
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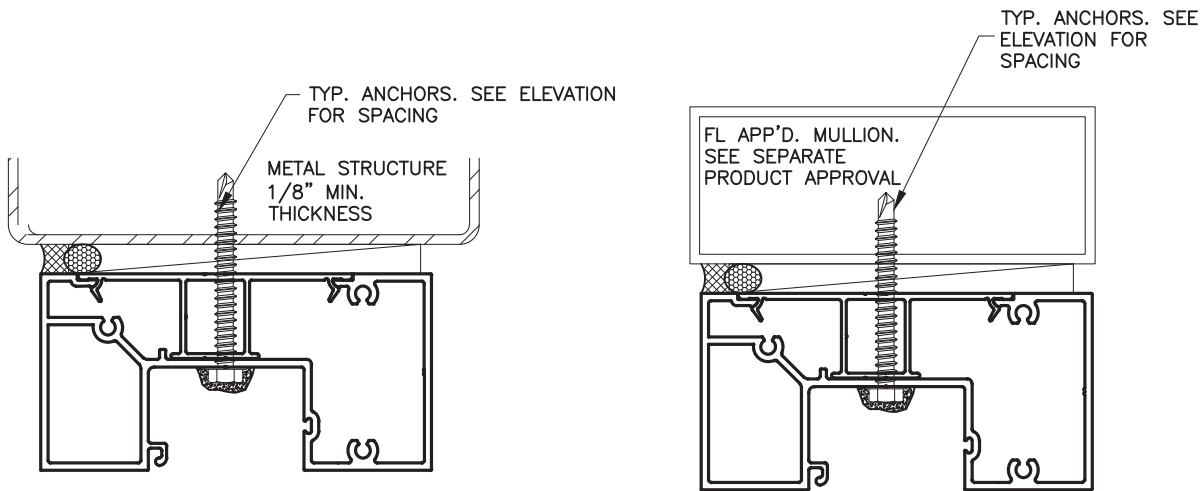
STAMP:
YIPING WANG
Professional Engineer
No 55983
STATE OF FLORIDA
November 03rd, 2020

PRODUCT CONTROL APPROVAL:

FL #17585



WOOD BUCKS NOT BY TRULITE
MUST SUPPORT LOADS IMPOSED BY
GLAZING SYSTEM AND TRANSFER THEM
TO THE BUILDING STRUCTURE.



SEE ELEVATIONS FOR SPACING

TYPE 'A' 1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI) OR
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD.

THRU 1OR 2 WOOD BUCKS INTO CONCRETE.
1-3/4" MIN. EMBED INTO CONCRETE.

TYPE 'B' 1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI) OR
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155KSI)

DIRECTLY INTO CONC.
1-3/4" MIN. EMBED INTO CONC.

TYPE 'C' 5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155KSI)
DIRECTLY INTO CONC.
1-3/4" MIN. EMBED INTO CONC.

TYPE 'D' 1/4" SMS Fu=74 KSI, Fy=57 KSI)-1/4" MAX SHIM
1/4" TEKS SELF DRILLING SCREW (Fu=120 KSI, Fy=90 KSI) UP TO 3/8" SHIM

INTO APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE.

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

- INTO CONCRETE AND MASONRY = 2-1/2" MIN.
- INTO WOOD STRUCTURE = 1" MIN.
- INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.
CONCRETE f'c = 3000 PSI MIN.

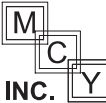
PRODUCT:

IFG-5100
ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT

Resistor
BLAST & STORM PROTECTION™

REVN	DATE/REMARKS
1	3.28.14/REVISION
2	11.27.18/UPDATE TO 2017 FBC
3	7.9.20/UPDATE TO 2020 FBC

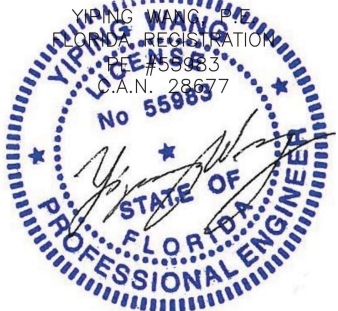
ENGINEER:



MCY ENGINEERING, INC.
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November 03rd, 2020

PRODUCT CONTROL APPROVAL:

FL #17585

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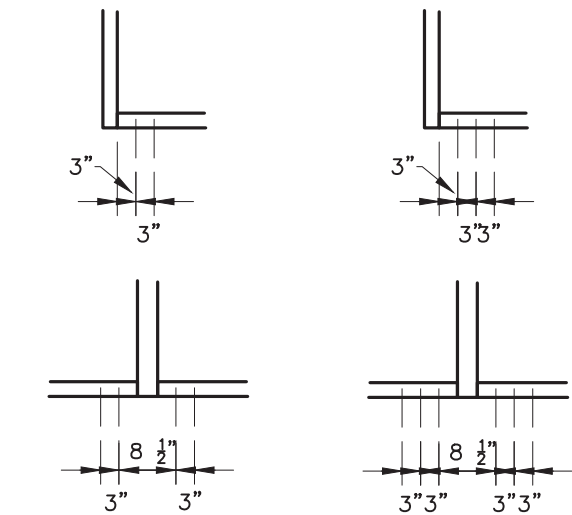
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8 OF 12

DESIGN LOAD CAPACITY (PSF)											
NOMINAL DIMENSION		ANCHOR TYPES					ANCHOR TYPES				
FRAME WIDTH (IN)	FRAME HEIGHT (IN)	A2/B2	A3/B3	C2	D2*	D3*	B2	B3	C2	D2	D3
		3/8" MAX SHIM					1/4" MAX SHIM				
30	72	100	100	100	100	100	100	100	100	100	100
36		88	100	100	100	100	100	100	100	100	100
42		75	100	100	97	100	100	100	100	100	100
48		66	99	100	85	100	100	100	100	100	100
54		58	88	100	76	100	92	100	100	100	100
60		53	79	100	68	100	82	100	100	93	100
66		48	72	100	62	93	75	100	100	85	100
72		44	66	100	57	85	69	100	100	78	100
30	84	90	100	100	100	100	100	100	100	100	100
36		75	100	100	97	100	100	100	100	100	100
42		64	96	100	83	100	100	100	100	100	100
48		56	84	100	73	100	88	100	100	100	100
54		50	75	100	65	97	78	100	100	89	100
60		45	68	100	58	87	71	100	100	80	100
66		41	61	100	53	79	64	96	100	73	100
72		38	56	92	49	73	59	88	95	67	100
30	96	79	100	100	100	100	100	100	100	100	100
36		66	99	100	85	100	100	100	100	100	100
42		56	84	100	73	100	88	100	100	100	100
48		49	74	100	64	96	77	100	100	88	100
54		44	66	100	57	85	69	100	100	78	100
60		39	59	97	51	77	62	92	100	70	100
66		36	54	88	46	70	56	84	91	64	95
72		33	49	81	43	64	52	77	84	58	88
30	108	70	100	100	91	100	100	100	100	100	100
36		58	88	100	76	100	92	100	100	100	100
42		50	75	100	65	97	78	100	100	89	100
48		44	66	100	57	85	69	100	100	78	100
54		39	58	96	50	76	61	91	99	69	100
60		35	53	86	45	68	55	82	89	62	93
66		32	48	78	41	62	50	74	81	57	85
30	114	66	100	100	86	100	100	100	100	100	100
36		55	83	100	72	100	87	100	100	98	100
42		47	71	100	61	92	74	100	100	84	100
48		41	62	100	54	81	65	97	100	74	100
54		37	55	91	48	72	58	86	94	65	98
60		33	50	82	43	64	52	78	84	59	88
66		30	46	74	39	58	48	72	79	54	84
30	120	63	95	100	82	100	99	100	100	100	100
36		53	79	100	68	100	82	100	100	93	100
42		45	68	100	58	87	71	100	100	80	100
48		39	59	97	51	77	62	92	100	70	100
54		35	53	86	45	68	55	82	89	62	93
60		32	47	77	41	61	49	74	80	56	84
66		29	43	70	38	56	46	69	75	53	80
24	132	72	100	100	93	100	100	100	100	100	100
30		57	86	100	74	100	90	100	100	100	100
36		48	72	100	62	93	75	100	100	85	100
24	144	66	99	100	85	100	100	100	100	100	100
30		53	79	100	68	100	82	100	100	93	100



"A2", "B2", "C2", "D2" "A3", "B3", "D3"

ANCHOR TYPES: SEE SHEET 11 FOR DESCRIPTION

"A2" – (2) ANCHORS TYPE "A" AT EA. SIDE OF MULLION OR JAMB

"B2" – (2) ANCHORS TYPE "B" AT EA. SIDE OF MULLION OR JAMB

"C2" – (2) ANCHORS TYPE "C" AT EA. SIDE OF MULLION OR JAMB

"D2" – (2) ANCHORS TYPE "D" AT EA. SIDE OF MULLION OR JAMB

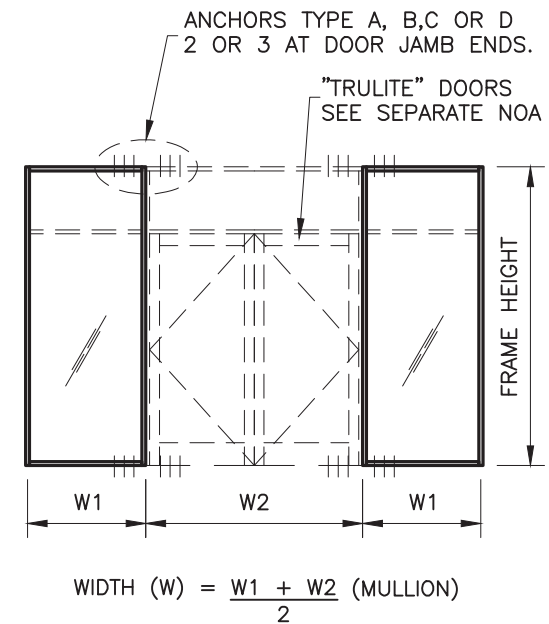
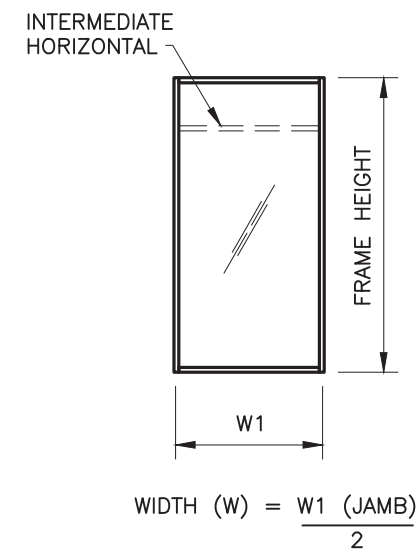
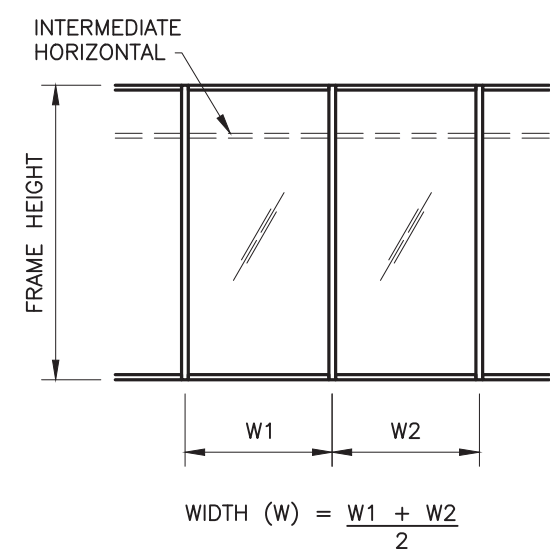
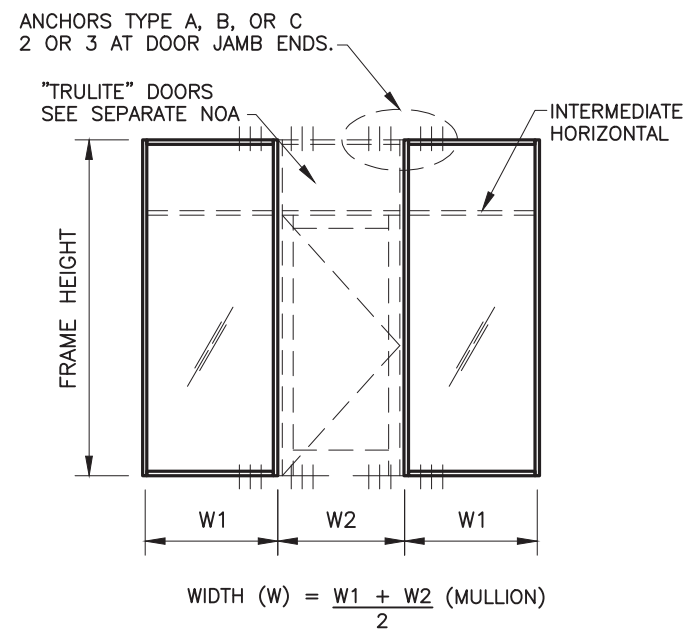
"A3" – (3) ANCHORS TYPE "A" AT EA. SIDE OF MULLION OR JAMB

"B3" – (3) ANCHORS TYPE "B" AT EA. SIDE OF MULLION OR JAMB

"D3" – (3) ANCHORS TYPE "D" AT EA. SIDE OF MULLION OR JAMB

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION

* 1/4"TEKS (GRADE 5) ONLY FOR 3/8" SHIM





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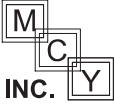
ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT



BLAST & STORM PROTECTION™

REV#	DATE/REMARKS
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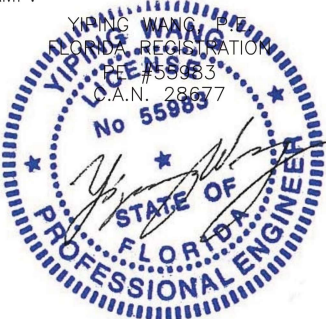
ENGINEER:



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YIPING WANG
Professional Engineer
No. 55983
STATE OF FLORIDA

November 03rd, 2020

PRODUCT CONTROL APPROVAL:

FL #17585

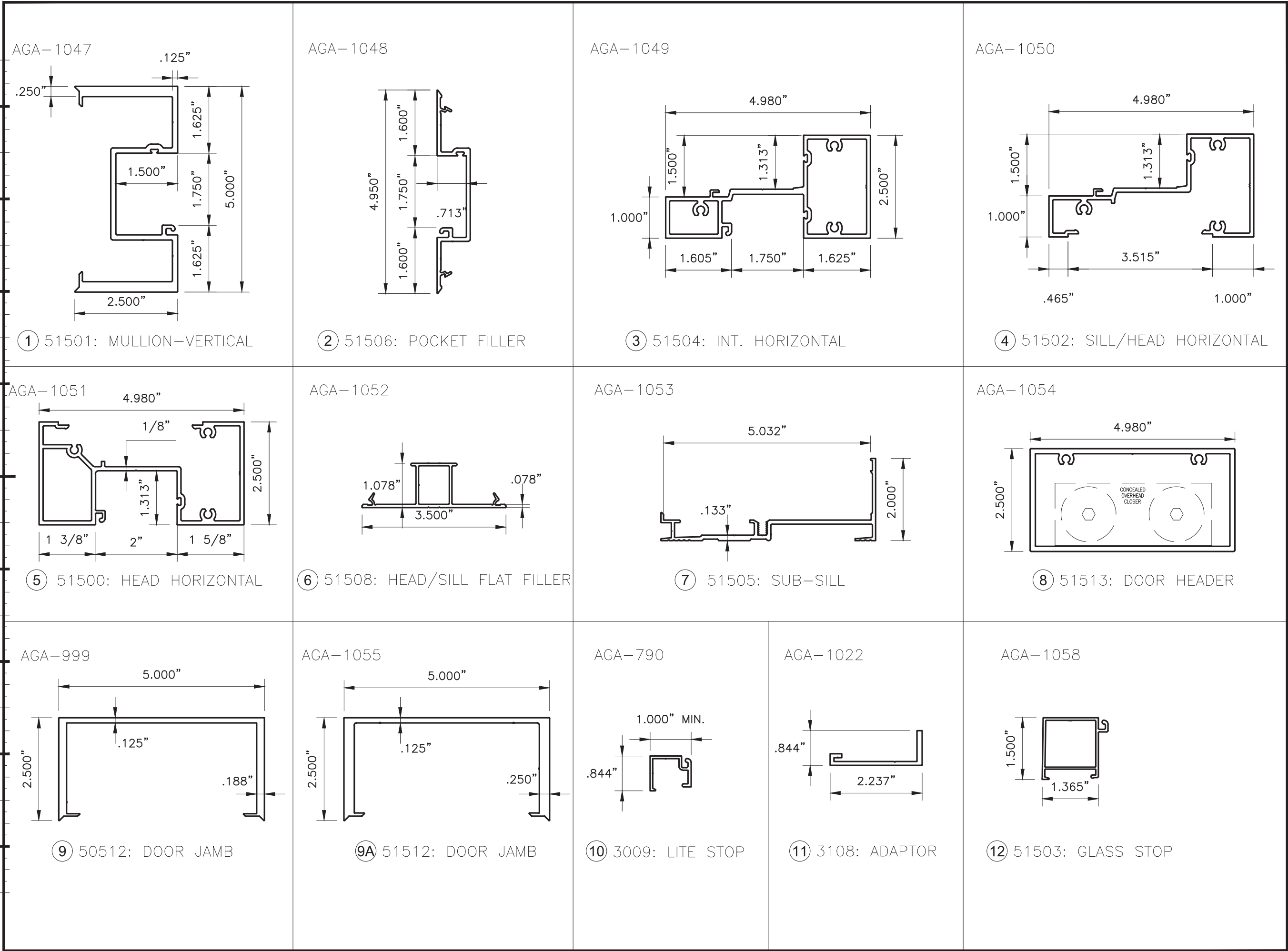
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PRODUCT:

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WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT

Resistor
BLAST & STORM PROTECTION™

REVN	DATE/REMARKS
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DWG: AD14-05	

BILL OF MATERIALS

ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	SUPPLIER/REMARKS	
①	51501	MULLION—VERTICAL	6063—T6	BONNEL	AGA—1047
②	51506	POCKET FILLER	6063—T6	BONNEL	AGA—1048
③	51504	INT. HORIZONTAL	6063—T6	BONNEL	AGA—1049
④	51502	SILL/HEAD HORIZONTAL	6063—T6	BONNEL	AGA—1050
⑤	51500	HEAD HORIZONTAL	6063—T6	BONNEL	AGA—1051
⑥	51508	HEAD & SILL FILLER	6063—T6	BONNEL	AGA—1052
⑦	51505	STARTER SILL	6063—T6	BONNEL	AGA—1053
⑧	51513	DOOR HEADER	6063—T6	BONNEL	AGA—1054
⑨	50512	DOOR JAMB	6063—T6	BONNEL	AGA—999
⑨A	51512	DOOR JAMB (OPTION)	6063—T6	BONNEL	AGA—1055
⑩	3009	FIXED LITE STOP	6063—T6	BONNEL	AGA—790
⑪	3108	GLAZING ADAPTOR	6063—T6	BONNEL	AGA—1022
⑫	51503	GLASS STOP	6063—T6	BONNEL	AGA—1058
⑪1	RG—1	WEDGE GASKET	EPDM	TREMCO/GRP (DURO 65+/-5,SHORE A)	
⑪2	DOWSIL—995	STRUCT’L SILICONE SEALANT	SILICONE	DOW	
	SSG—4000	STRUCT’L SILICONE SEALANT	SILICONE	G.E.	
	PROGLAZE—SSG	STRUCT’L SILICONE SEALANT	SILICONE	TREMCO	
⑪3	V2100/VK1826	VINYL FOAM TAPE 0.375”x0.250”	FOAM	SAINT GOBAN / CAPITAL TAPE	
⑪4	H62K	0.75 THK x1.375 SETTING BLOCK	EPDM	GRP/ TREMCO (DURO 85+/-5,SHORE A)	
⑪5	H62F	0.25 THK x1.375 SETTING BLOCK	EPDM	GRP/ TREMCO (DURO 85+/-5,SHORE A)	
⑪6	23233	1/4—20 X 1 1/2” HWH (STARTER SILL SCREW)	ZINC COATED STEEL	VARIES	
⑪7	H60	BACKING GASKET	EPDM	GRP/ TREMCO (DURO 70+/-5,SHORE A)	
⑪8	-----	3/8” X 4” FLAT STEEL REINFORCING	A36 STEEL	FULL HEIGHT DOOR JAMB REINFORCING	
⑪9	23163	#12—24X3/4” UPFH—23 MS (ASSEMBLY SCREW)	ZINC COATED STEEL	VARIES	
⑪10	-----	SPACER	ALUMINUM	HELIMA HELVETION INT. / VARIES.	



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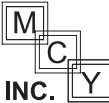
PRODUCT:

IFG-5100
ALUM. STOREFRONT
WINDOW WALL SYSTEM
LARGE-MISSILE IMPACT



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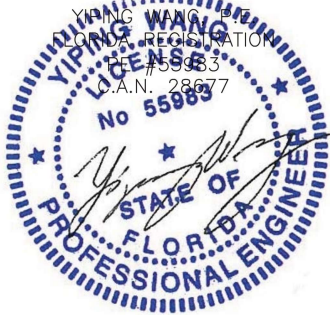
ENGINEER:



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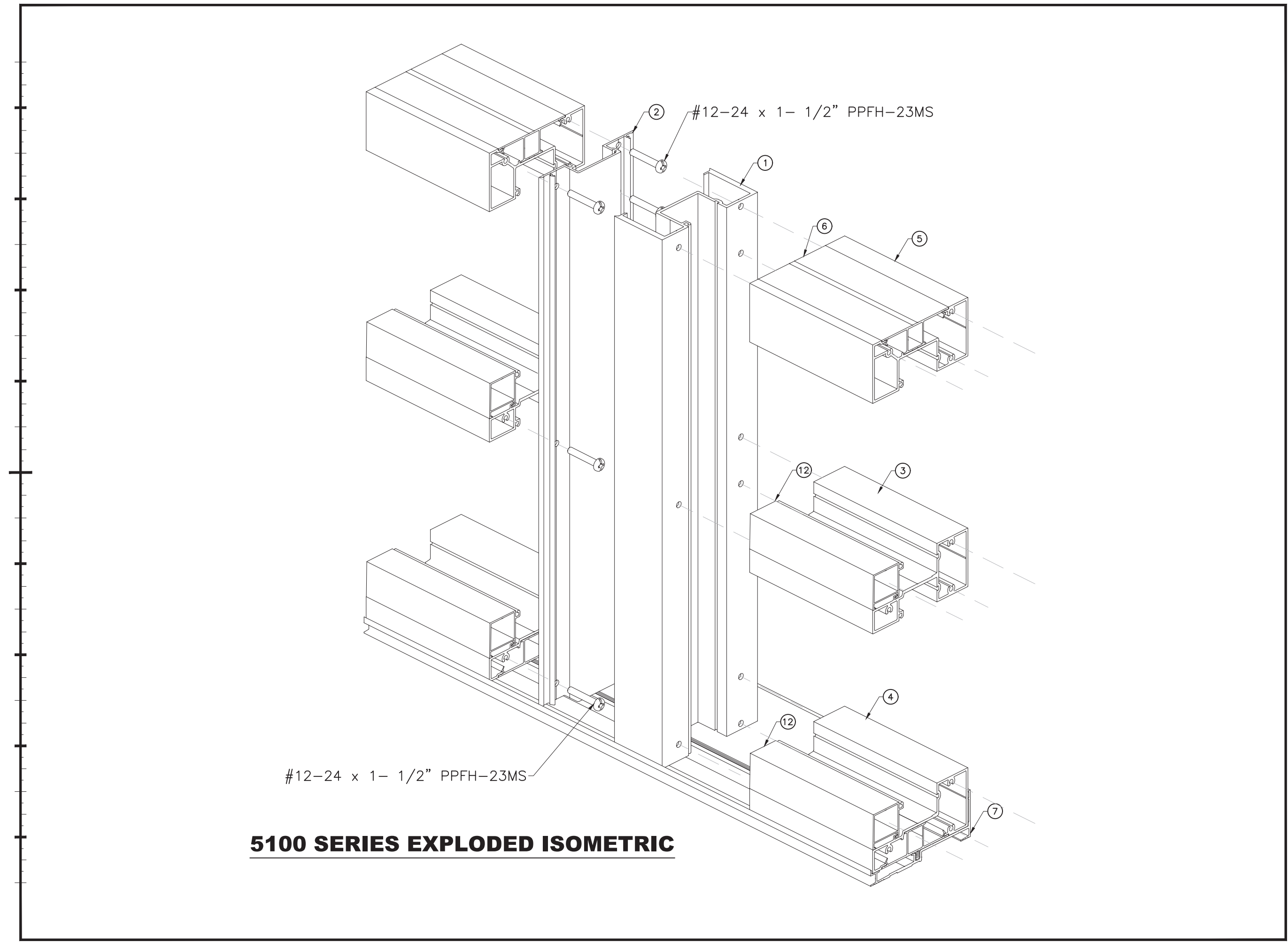
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5100 SERIES EXPLODED ISOMETRIC



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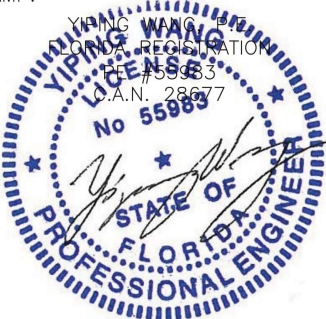
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