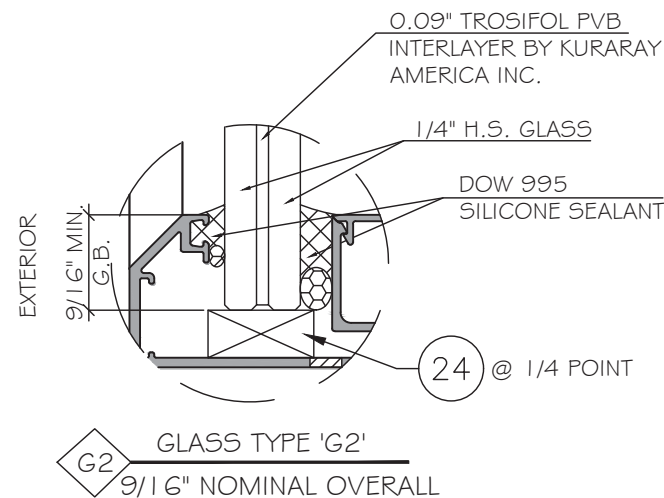


DO IT IMPACT, INC.
SP60 AWNING WINDOW LARGE MISSILE IMPACT



GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION OF FLORIDA BUILDING CODE 2020/ 8TH EDITION OF FLORIDA BUILDING CODE 2023 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS 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.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 7TH EDITION OF FLORIDA BUILDING CODE 2020/ 8TH EDITION OF FLORIDA BUILDING CODE 2023 SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.
- SEALANT:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

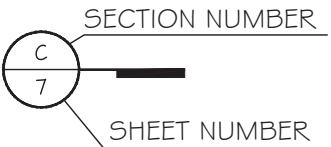
NOTE:
GLASS COMPLIES WITH ASTM E1300-09
(3 SEC. GUSTS).

USE CHARTS AS FOLLOWS.

- STEP 1:** DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2:** SEE SHEET E1 FOR APPROVED TYPICAL ELEVATION & CONFIGURATION.
- STEP 3:** ANCHOR OPTION SEE SHEET A1. ANCHOR LAYOUT SEE SHEET E1.
- STEP 4:** THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

G.B. - GLASS BITE
D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER



LIMITATIONS OF USE

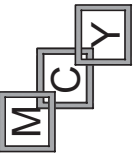
- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- D- 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. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL:

FL 42334



MCY ENGINEERING, INC.



GLAZING CONSULTANTS

12781 MIRAMAR PKWY., STE. 301
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

SP60 AWNING WINDOW - L.M.I.

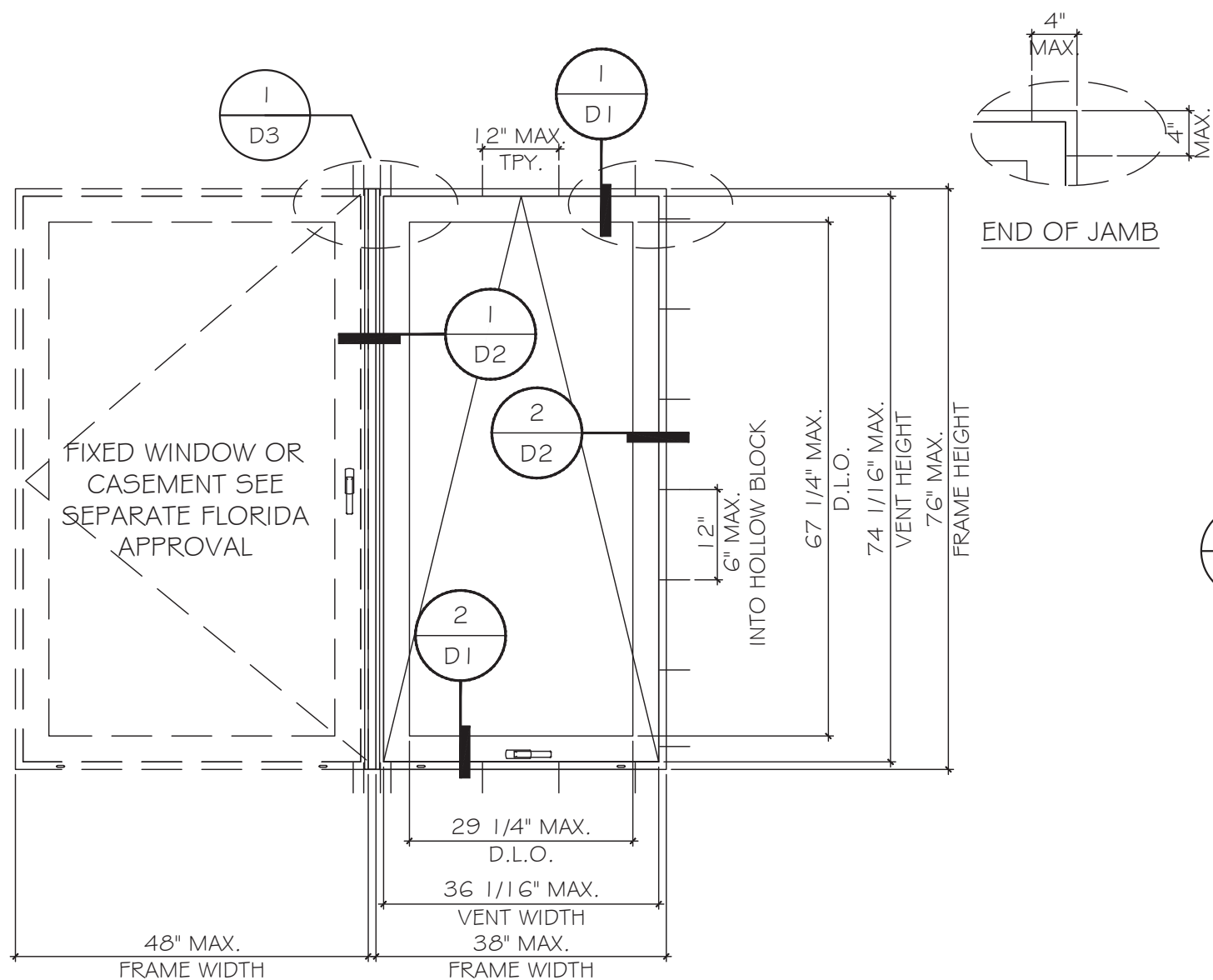
Do it impact, inc.

7501 East Adamo Drive

Tampa, Florida 33619

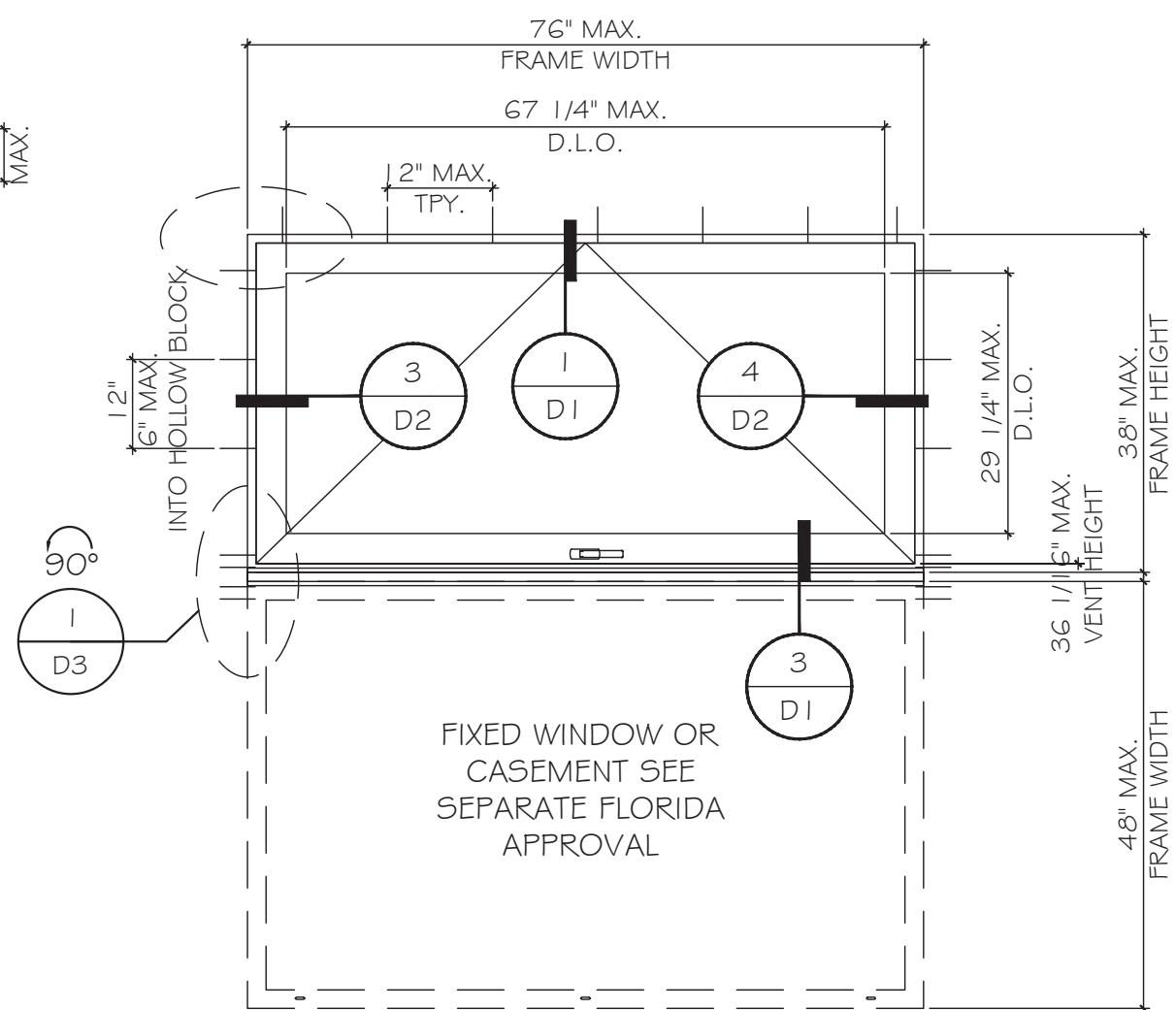
P: 321 946 5816 email:info@doitimpact.com

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TYPICAL EXTERIOR ELEVATION

DESIGN LOAD
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC
+60 PSF -60 PSF



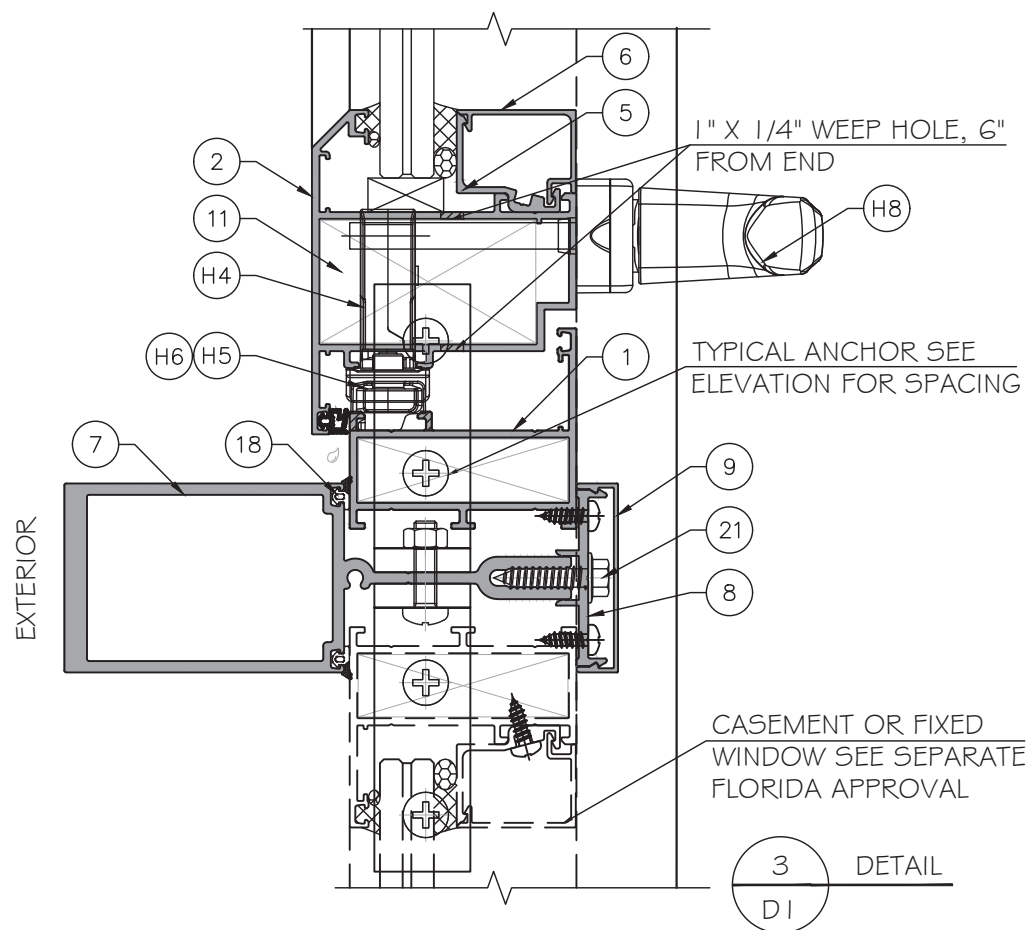
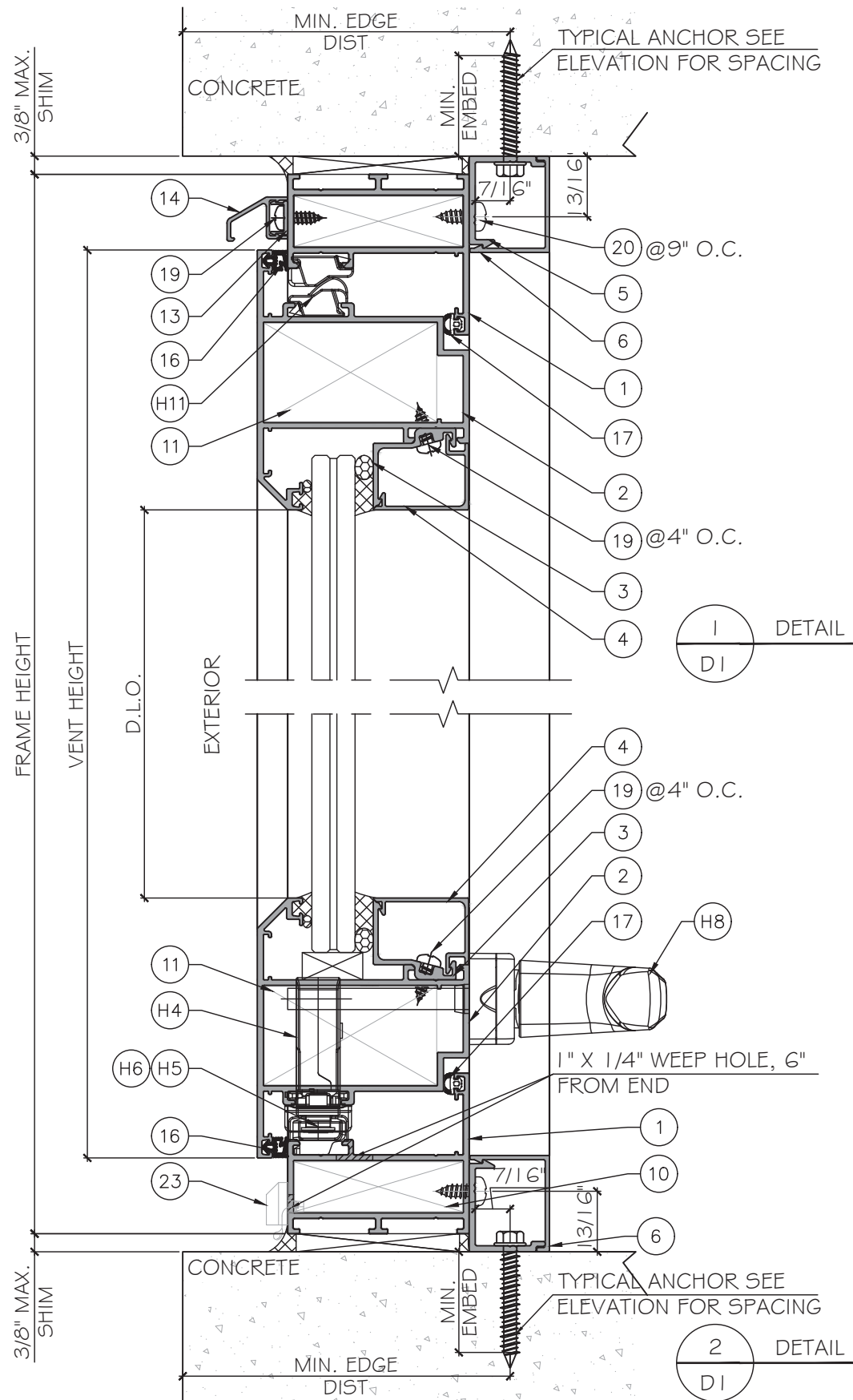
TYPICAL EXTERIOR ELEVATION

DESIGN LOAD
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC
+60 PSF -60 PSF

FLORIDA APPROVAL:
FL 42334

YIPING WANG, P.E.
FLORIDA REGISTRATION
F. 45583
C.A.N. 28677
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER
August 18th, 2023

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08/18/2023		JAMES	08/18/2023	1.	NEW APPLICATION
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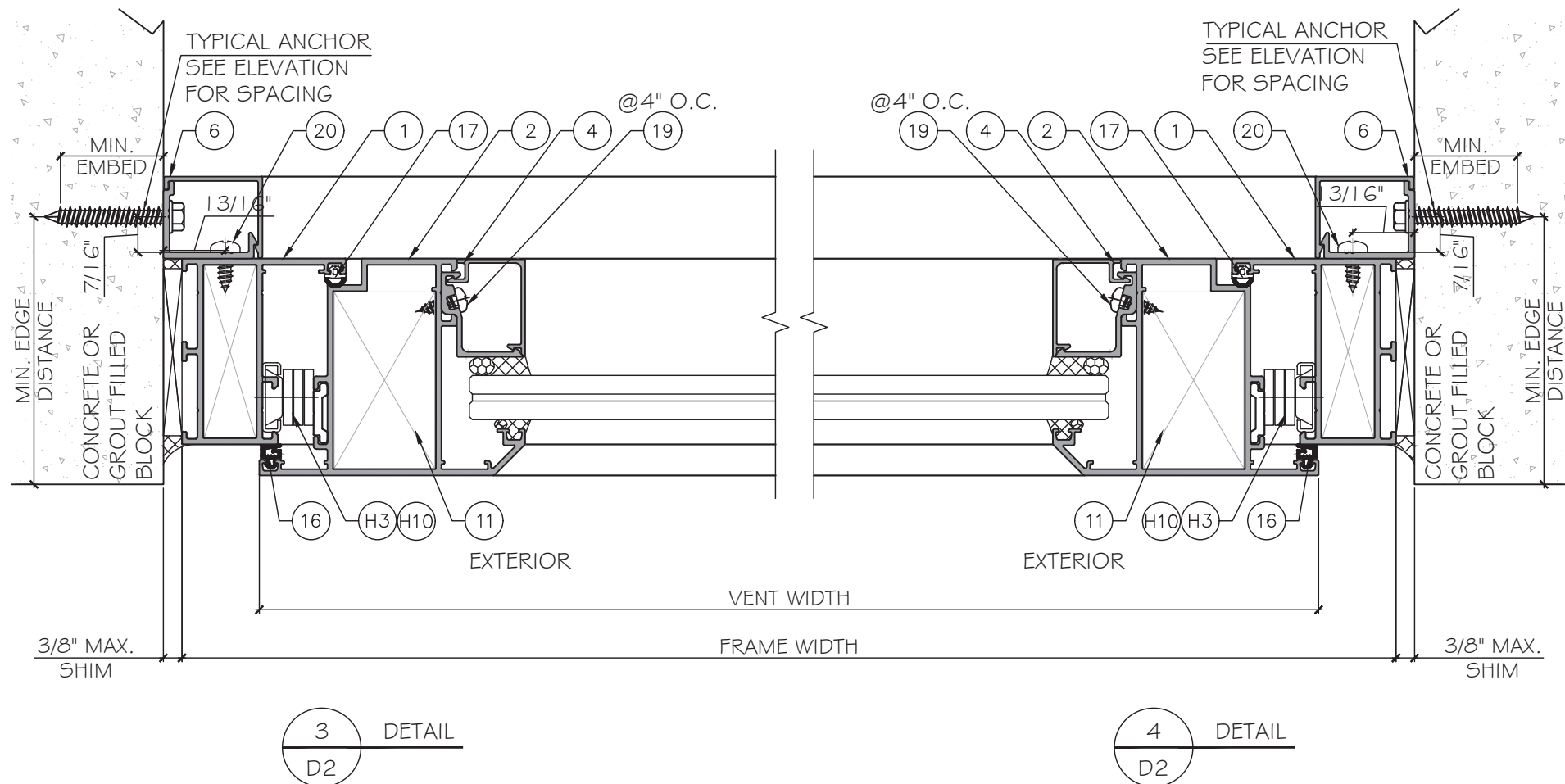
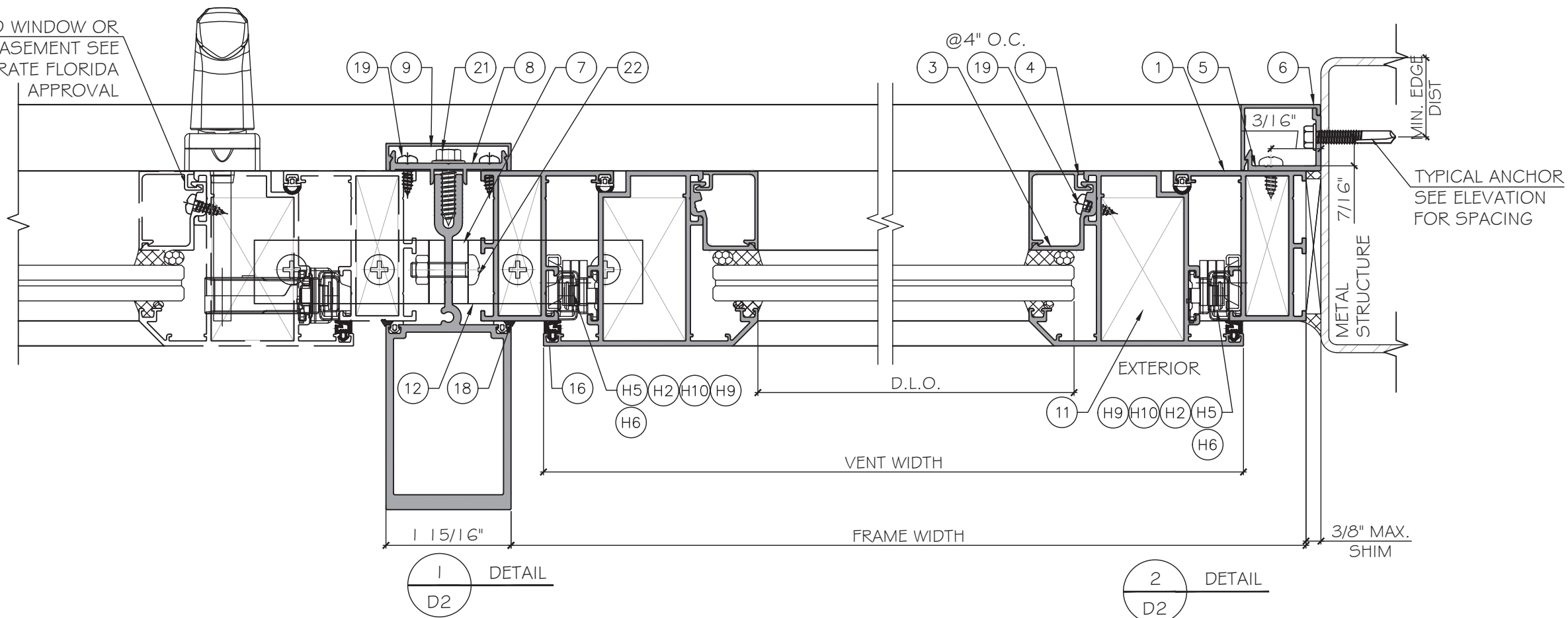


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FL 42334

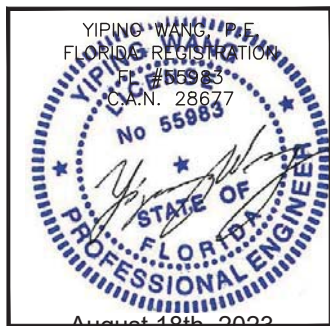
YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 55983
August 18th, 2023

MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. STE. 301 MIRAMAR, FL 33027 P: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com			
SP60 AWNING WINDOW - L.M.I.			
Do it impact, inc. 7501 East Adamo Drive Tampa, Florida 33619 P: 321 946 5816 email: info@doitimpact.com			
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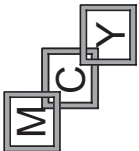
FIXED WINDOW OR
CASEMENT SEE
SEPARATE FLORIDA
APPROVAL



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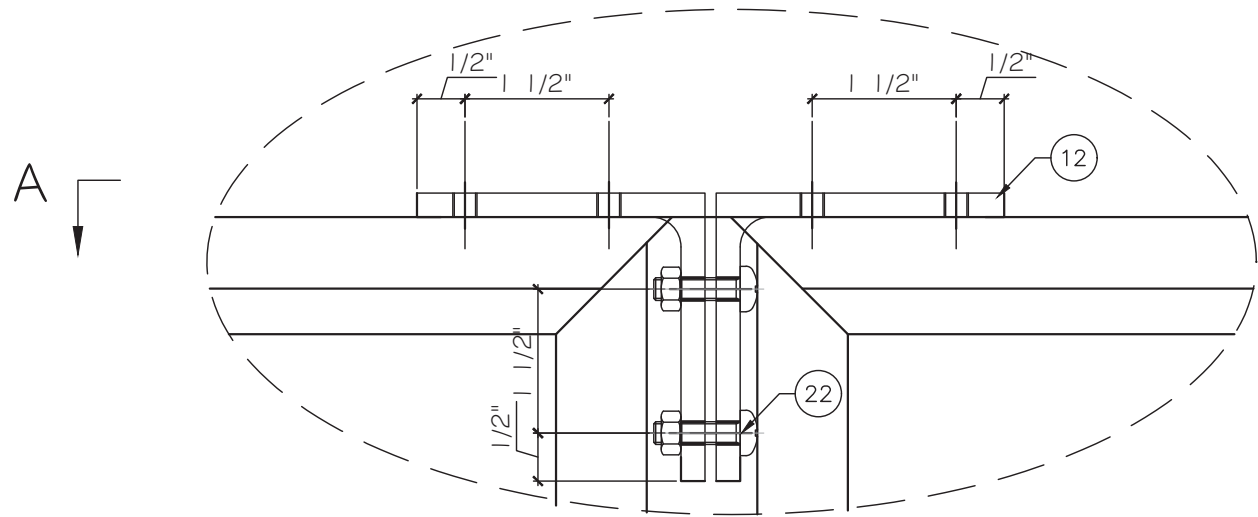
Do it impact, inc.

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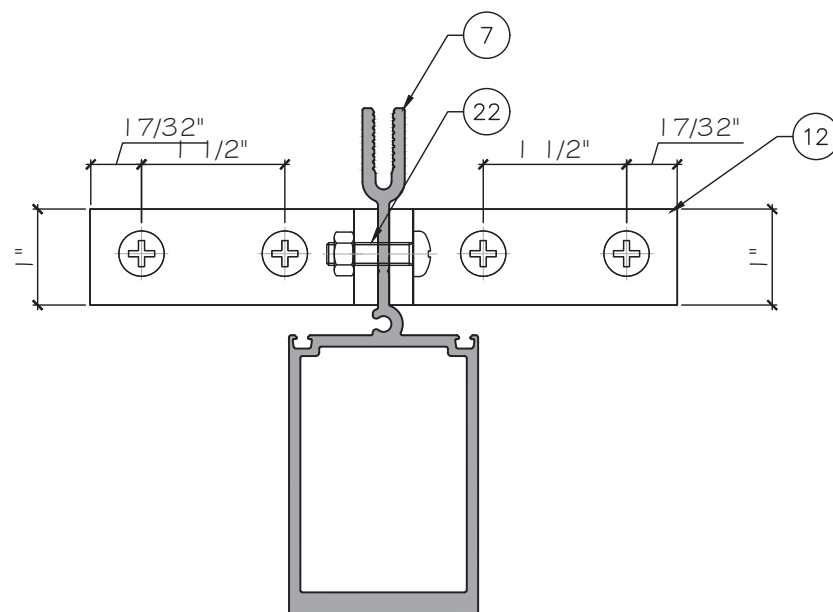
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1
D3
DETAIL



SECTION A-A

MULLION ANCHOR:

TYPE 'A' -- 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
DIRECTLY INTO CONCRETE ONLY
1 3/4" MIN. EMBED INTO CONCRETE
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
WITH 1 1/2" MIN. PENETRATION INTO WOOD

THRU 1 BY WOOD BUCK INTO CONCRETE
WITH 1 3/4" MIN. EMBED INTO CONCRETE

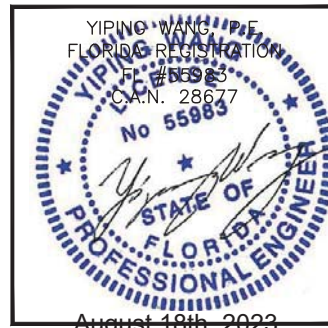
TYPE 'B' -- 1/4" DIA. SS SCREW ($F_u=100$ KSI, $F_y=65$ KSI)
1/4" DIA. TEKS ($F_u=120$ KSI, $F_y=92$ KSI)
INTO FBC APPROVED MULLIONS (1/8" THK. MIN.)
OR INTO METAL STRUCTURES, STEEL: 1/8" THK. MIN. (A36 MIN.)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
INTO CONCRETE = 2-1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMB $f'_c=3000$ PSI MIN.
WOOD SG=0.55 MIN.

FOR CONDITION NOT COVERED, TO BE CHECKED
BY DELEGATED ENGINEER ON JOB BASES.

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① FRAME SP6001
ALUM. 6063-T5

② VENT SP6004
ALUM. 6063-T5

⑥ COVER SP6052
ALUM. 6063-T5

⑨ COVER SP6009
ALUM. 6063-T5

⑧ PRESSURE BAR SP6008
ALUM. 6063-T5

⑩ CLAMPING CORNER JMOO22
ALUM. 6063-T5

④ FLUSH-ENCASED GEARBOX
AGC37.35

⑨ CORNER DRIVE VSO T5 K50

③ GLASS STOP GLAO32
ALUM. 6063-T5

④ GLASS STOP GLB032
ALUM. 6063-T5

⑤ CLIP SP6051
ALUM. 6063-T5

⑬ CLIP JNSP10005
ALUM. 6063-T5

⑭ CORNICE JNSP10006
ALUM. 6063-T5

⑮ STRIKER ALP33

⑪ CLAMPING CORNER JMOO26
ALUM. 6063-T5

⑪③ LOCKING CAM 254509

⑪④ LOCKING CAM 303511

⑪② STRIKER 266533

⑪② FRICTION HINGE HC680-28

⑪③ FRICTION HINGE FJ600A-14

⑪⑥ LOCKING CAM ALR21

⑪⑦ LOCKING CAM ALR28

⑪⑧ HANDLE 0738

⑪② MULLION CLIP ZL-758
ALUM. 6063-T5

⑦ STACKING MULLION SP6007
ALUM. 6063-T5

⑪② MULLION CLIP ZL-758
ALUM. 6063-T5

⑪② FRICTION HINGE HC680-28

⑪③ FRICTION HINGE FJ600A-14

⑪⑥ LOCKING CAM ALR21

⑪⑦ LOCKING CAM ALR28

⑪⑧ HANDLE 0738

⑪② MULLION CLIP ZL-758
ALUM. 6063-T5

⑦ STACKING MULLION SP6007
ALUM. 6063-T5

⑪② MULLION CLIP ZL-758
ALUM. 6063-T5

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YIPING WANG
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C.A.N. 28677

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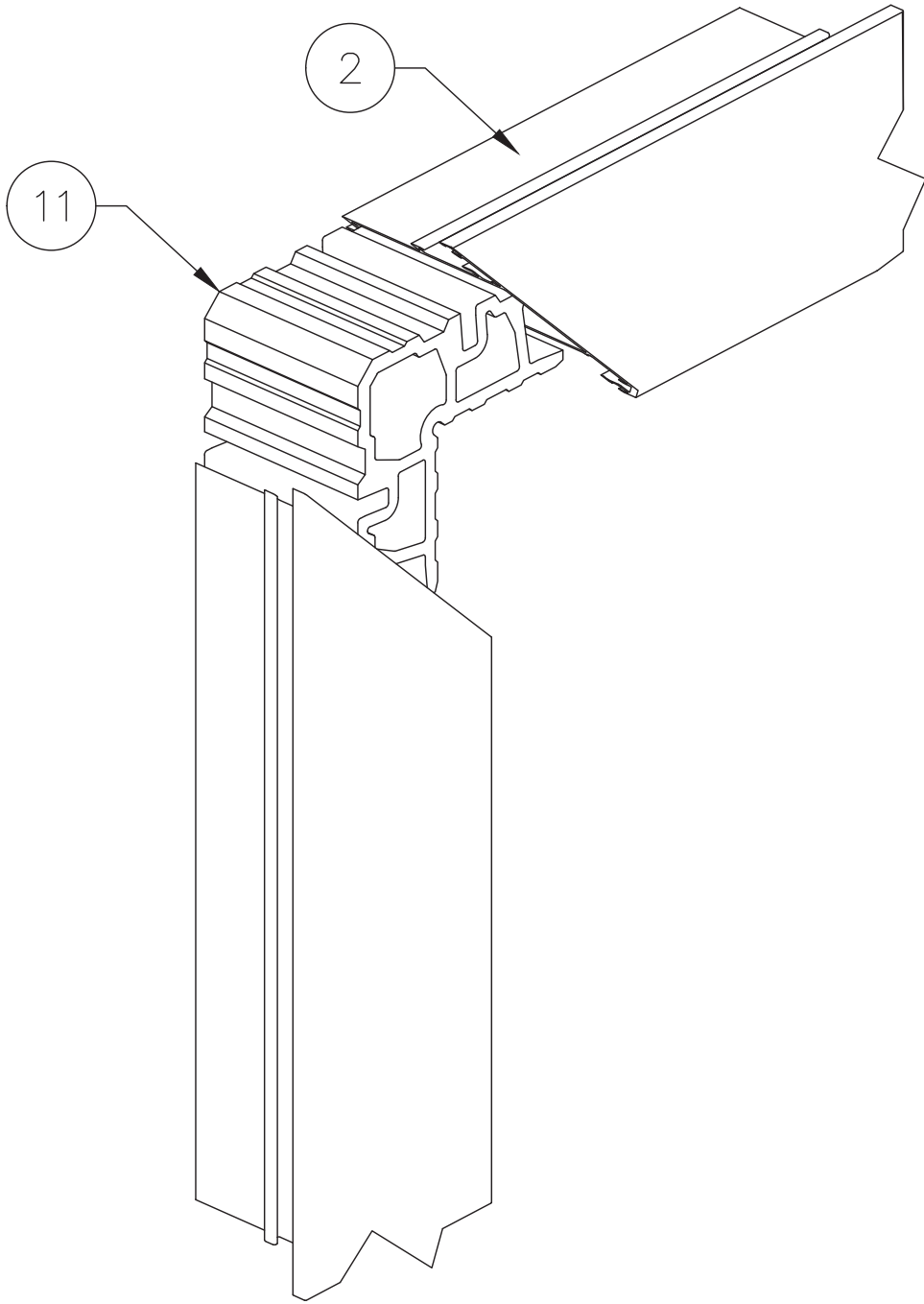
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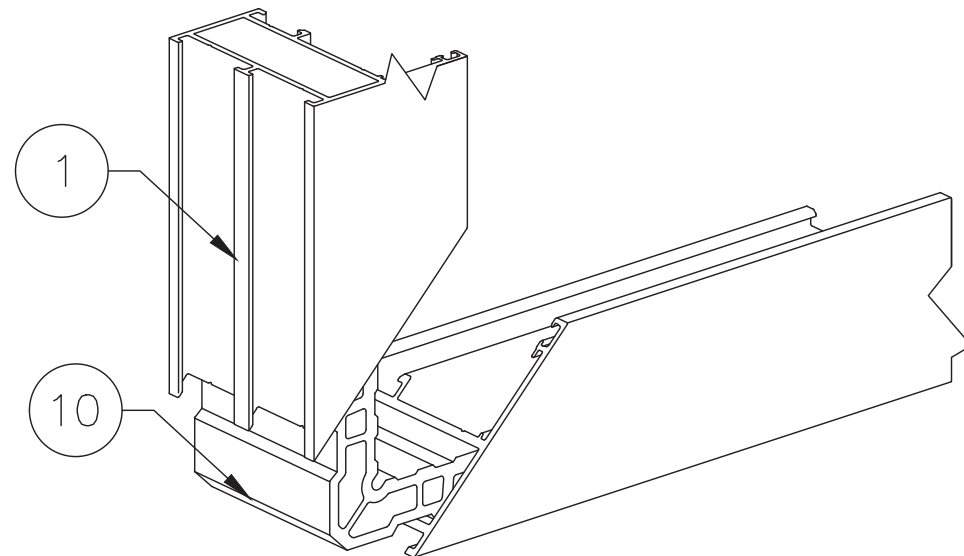
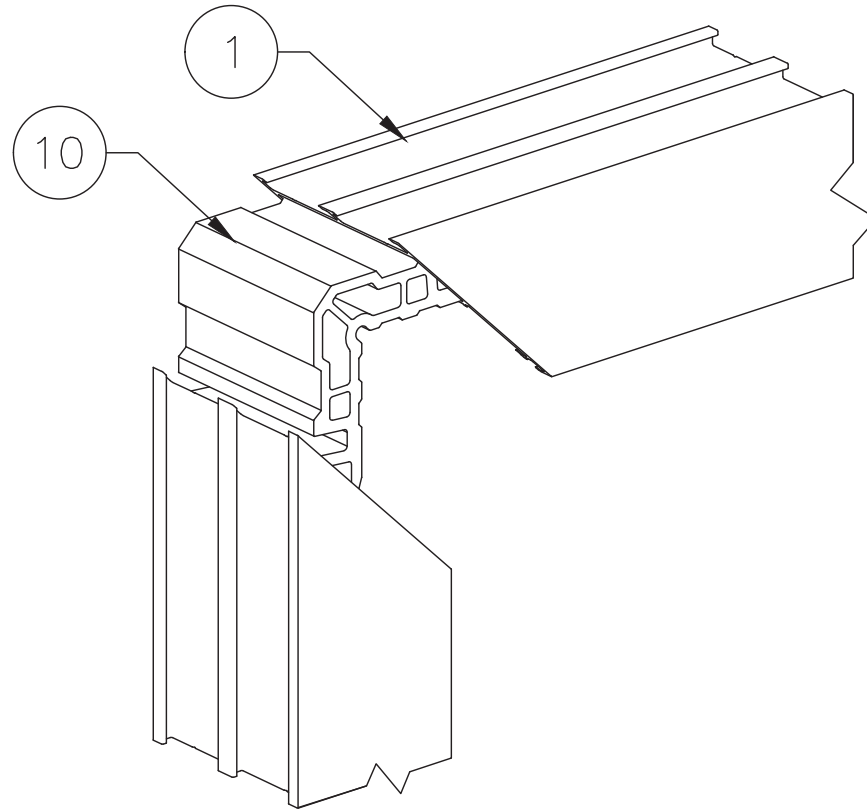
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VENT CORNER



FRAME CORNER

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FL 42334

YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 45583
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August 18th, 2023

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