HEBEI XINAOSI DOORS AND WINDOWS CO., LTD
XAS FIXED WINDOW
LARGE MISSILE IMPACT

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FBC 2023 OR 9TH EDITION FBC 2026, INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

- WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED WHEN USED IN HVHZ.

- 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 8TH EDITION FBC 2023 OR 9TH EDITION FBC 2026 SECTION AS APPLICABLE.

- METAL/WOOD 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.

- ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.

- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.
  - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 35, OR EQUIVALENT CORROSION RESISTANCE).
  - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTMA123, OR PROTECTIVE COATING PER TPI 1).

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.

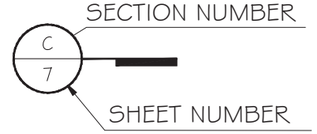
STEP 2: SEE SHEET E1 FOR TYPICAL WINDOW ELEVATION AND CAPACITY.

STEP 3: SEE SHEET A1 FOR ANCHOR OPTIONS.

STEP4: THE LOWEST VALUE RESULTING FROM STEPS 2 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THOUGH STEP 1 SHALL APPLY TO ENTIRE SYSTEM

ABBREVIATIONS AND SYMBOLS

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.

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:

FL48517.1

YIPING WANG
FLORIDA REGISTRATION
LICENSE #55983
C.A.No. 33977
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct. 21st, 2026

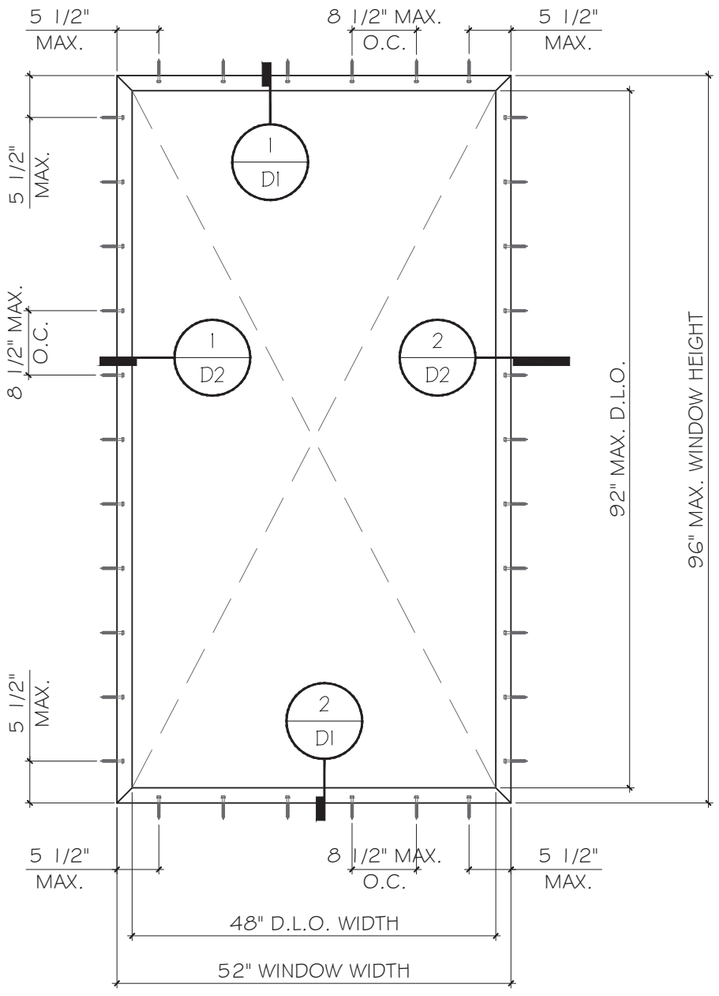
MCY ENGINEERING, INC.
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TEL:+86 18032281881 EMAIL: wangbin@xasgroup.com

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01	10.21.2026	James	NEW APPLICATION

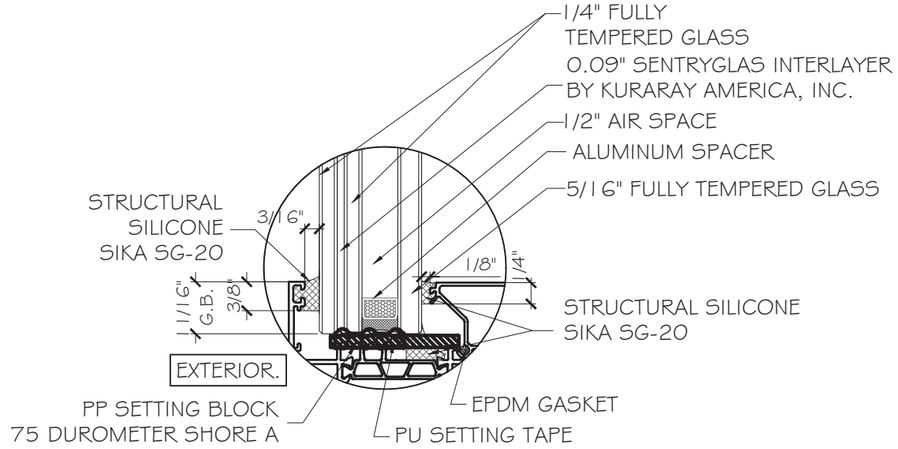
Drawn Date 10.21.2026
SCALE AS SHOWN
DRAWING NO. AD26-46
COVER
Sheet No. 1 OF 7



TYPICAL EXTERIOR ELEVATIONS

MAX. DESIGN LOAD - PSF.
+80/-80

NOTE: FOR SIZE AS SHOWN OR SMALLER AS PERMITTED BY FBC. TYPICAL ANCHOR SEE SHEET A1.



G1 GLASS TYPE 'G1'
1 3/8" NOMINAL OVERALL

NOTE:
GLASS COMPLIES WITH ASTM E1300-16 OR 24 (3 SEC. GUSTS).

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TYPICAL ANCHOR TYPES:

ANCHOR TYPE 'A' - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
WITH 1 1/2" MIN. PENETRATION.
OR THRU 1BY/2BY WOOD BUCKS INTO CONCRETE
WITH 1 3/4" MIN. EMBEDMENT.
OR THRU 1BY/2BY WOOD BUCKS INTO BLOCKS (JAMB ONLY)
WITH 1 3/4" MIN. EMBEDMENT.

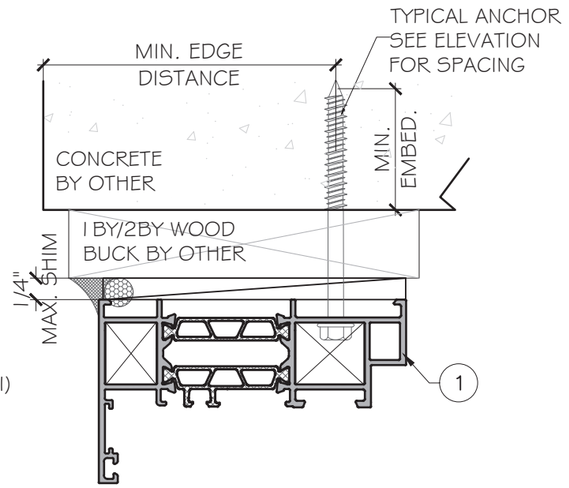
ANCHOR TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE W/1 3/4" MIN. EMBEDMENT.
OR DIRECTLY INTO HOLLOW OR GROUT FILLED BLOCK (JAMB ONLY)
WITH 1 3/4" MIN. EMBEDMENT.

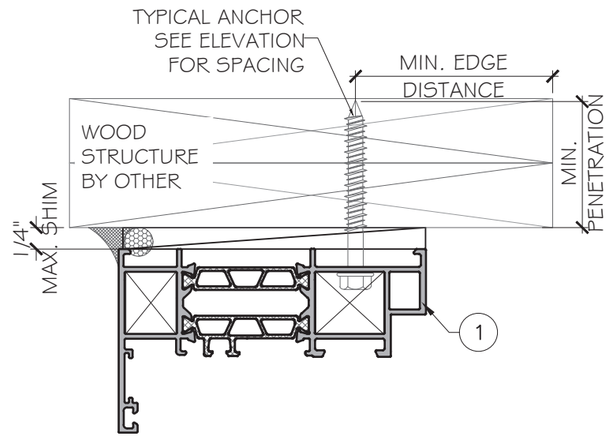
ANCHOR TYPE 'C' - 1/4" DIA. TEKS SELF-DRILLING SCREWS, GRADE 5 (Fu=120KSI, Fy=92KSI)
INTO F.B.C. APPROVED ALUMINUM MULLIONS OR METAL STRUCTURES.
(3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

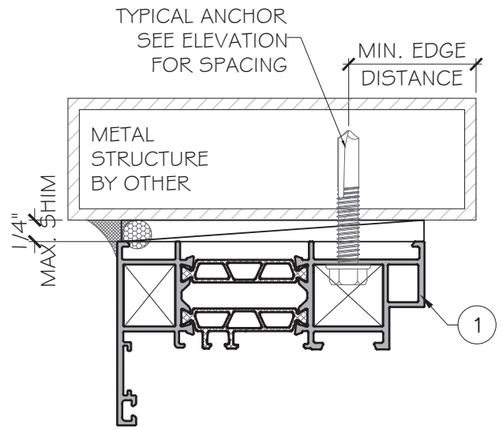
TYPICAL EDGE DISTANCE
INTO CONCRETE OR GROUT FILLED BLOCK= 2 1/2" MIN.
INTO WOOD = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

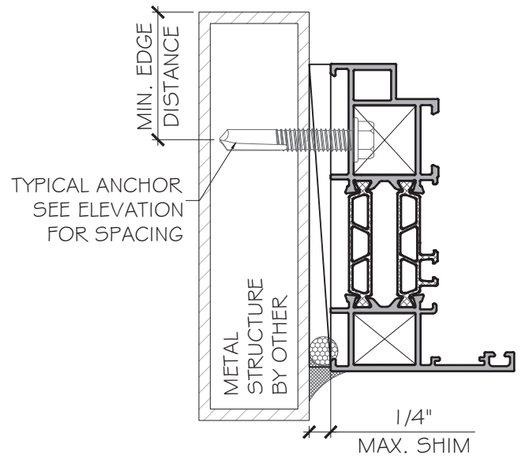
SUBSTRATE
WOOD AT HEAD/JAMB/SILL:SG=0.55MIN.
CONCRETE AT JAMB/HEAD/SILL: f'c=3000 PSI MIN.
HOLLOW OR GROUT FILLED BLOCK AT JAMB: f'm=2000 PSI.
ALUMINUM AT JAMB/HEAD/SILL: 1/8" THK. MIN. (6063-T5, MIN)
STEEL AT JAMB/HEAD/SILL: 12GA. MIN. THK. (A36 MIN)

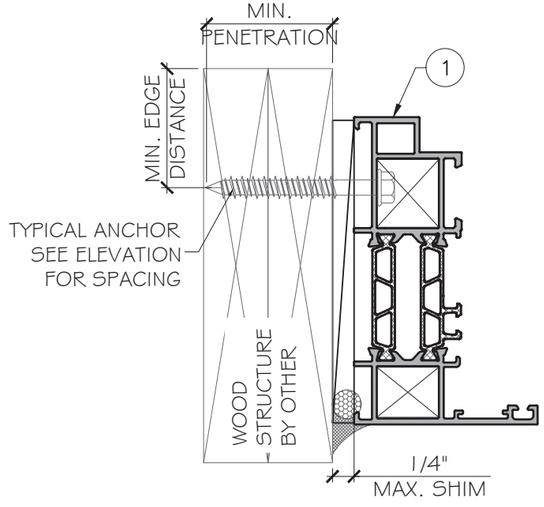
NOTE:
METAL STRUCTURES OR WOOD STRUCTURES BY OTHERS TO BE DESIGNED AND ANCHORED PROPERLY TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.

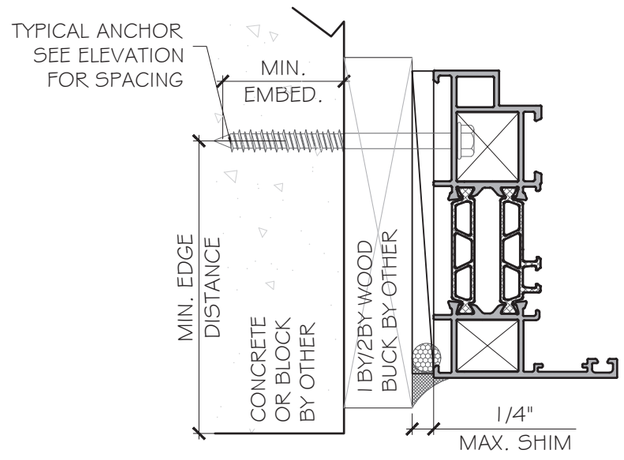












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YIPING WANG
FLORIDA REGISTRATION
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www.MCYEngineering.com mcy@mcyengineering.com

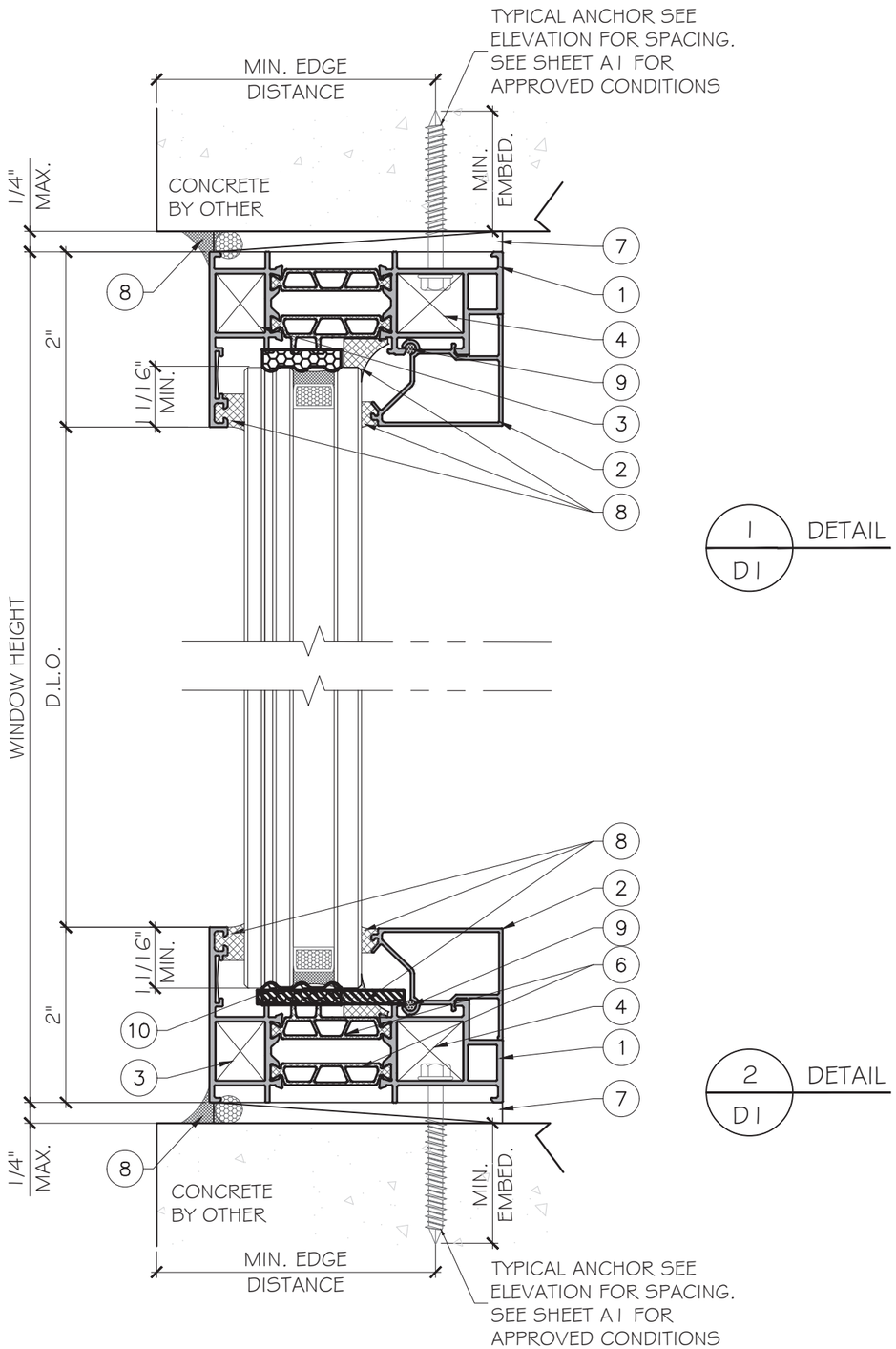
XAS FIXED WINDOW- LMI

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TEL:+86 18032281881 EMAIL: wangbin@xasgroup.com

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EXTERIOR



1 / D1 DETAIL

2 / D1 DETAIL

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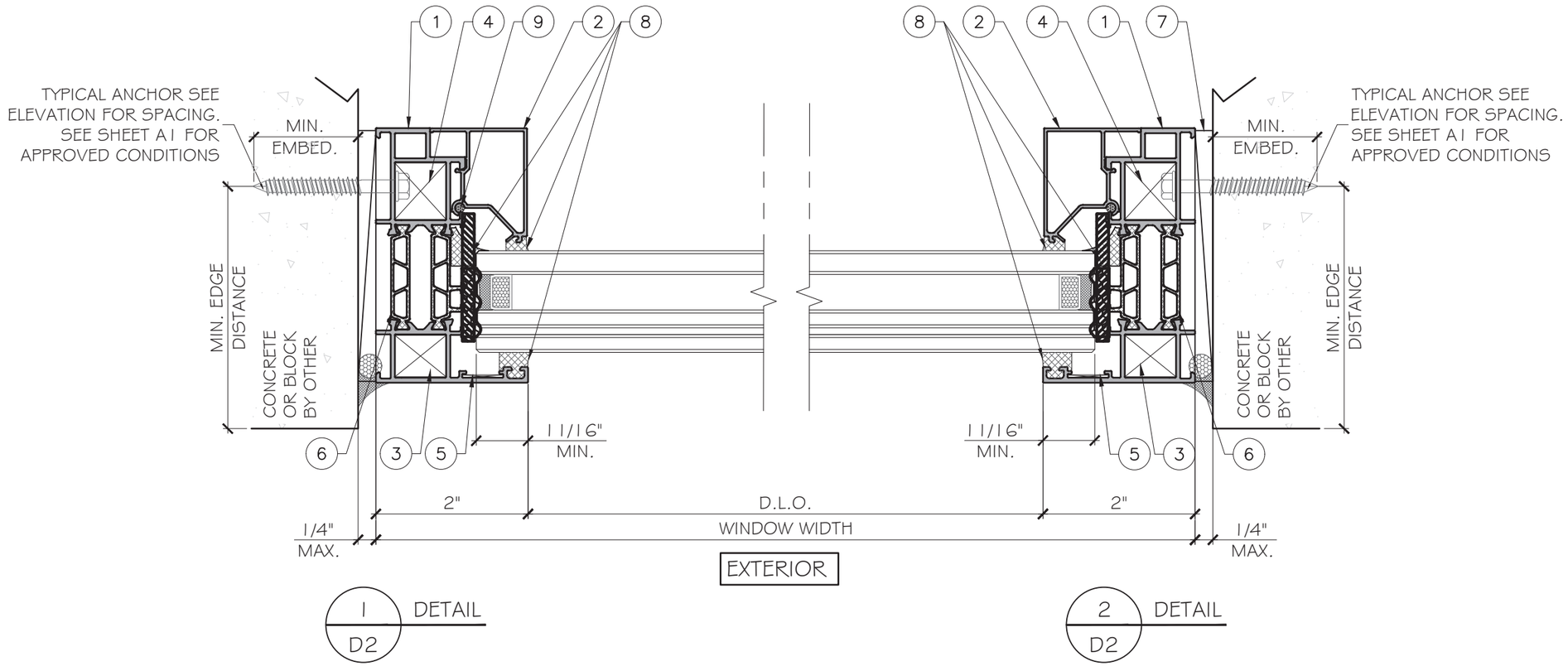
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Sheet No.
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1 / D2 DETAIL

2 / D2 DETAIL

FLORIDA APPROVAL:

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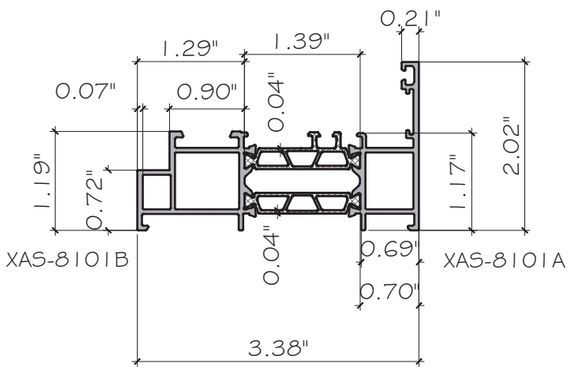
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Sheet No.

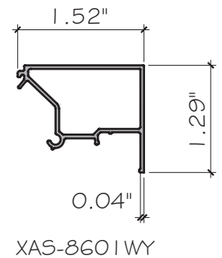
5 OF 7

BILL OF MATERIALS

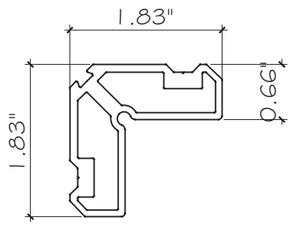
ITEM	DESCRIPTION	MATERIAL	REMARKS
1	FRAME	ALUM. 6060-T66	ZHONG QI ALUMINUM
2	GLAZING BEAD	ALUM. 6060-T66	ZHONG QI ALUMINUM
3	CORNER KEY	ALUM. 6063-T5	MAIKE
4	CORNER KEY	ALUM. 6063-T5	MAIKE
5	CORNER KEY	STAINLESS STEEL	LI JIAN
6	THERMAL BAR	POLYAMIDE 66 + 25% GLASS FIBER	TECHNOFORM
7	PLASTIC SHIM	PLASTIC	-
8	STRUCTURAL SILICONE, SIKA SG-20	SILICONE	SIKA
9	ROUND ROD GASKET	EPDM	XING YAO WU ZHOU
10	SETTING BLOCK 75 DUROMETER SHORE A.	PP	LANG YI
11	PU SETTING TAPE	PU	-



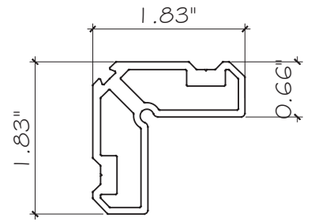
1 FRAME
ALUM.6060-T66



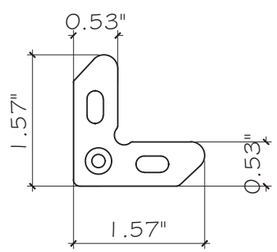
2 GLAZING BEAD
ALUM.6060-T66



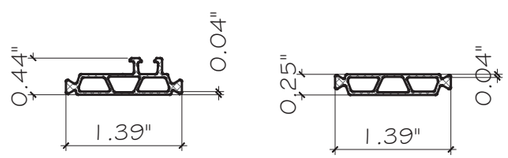
3 FRAME ANGLE BRACKET
ALUM.6063-T5



4 FRAME ANGLE BRACKET
ALUM.6063-T5



5 CORNER KEY (FRAME)
STAINLESS STEEL



6 THERMAL BAR
POLYAMIDE 66 + 25% GLASS FIBER

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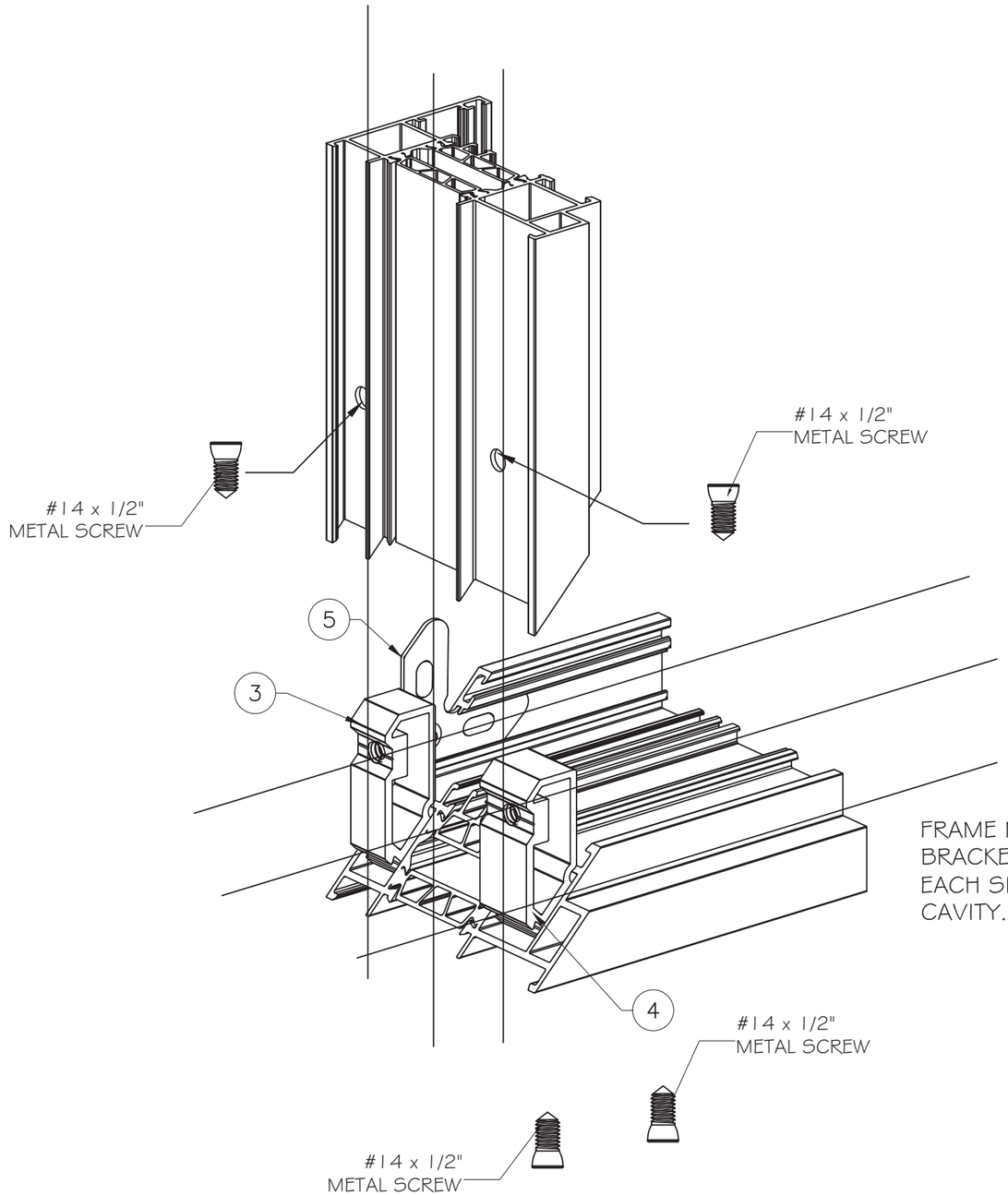
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PART

Sheet No.
6 OF 7



FRAME MEMBERS WERE 45 DEGREES CUTTING, BUTTED, FIXED WITH ANGLE BRACKET 5 & 3 &4, SECURED UTILIZING TWO #14 X 1/2" METAL SCREWS ON EACH SIDE,SEALED WITH COFINE T56 2-PART PUR ADHESIVE IN THE CAVITY.

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ASSEMBLY

Sheet No.

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