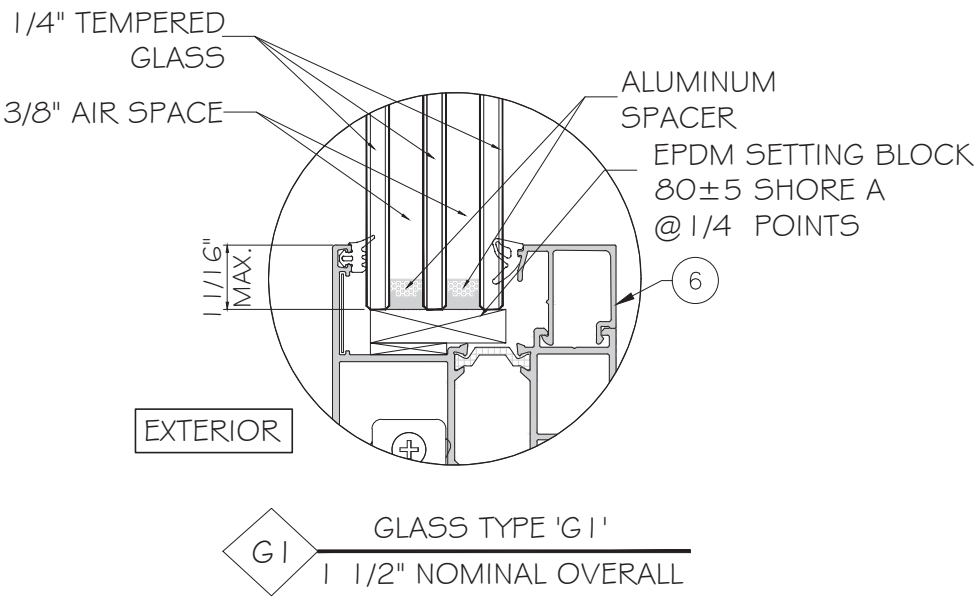


SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD.
SP65T CASEMENT WINDOW SYSTEM - NON IMPACT



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

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FBC (2023)/9TH EDITION FBC (2026), EXCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS ARE RATED FOR NON-IMPACT. IMPACT SHUTTERS ARE 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)/ 9TH EDITION FBC (2026) 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.
- ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.
- HARDWARE CHECKED FOR WIND LOAD IN CLOSED POSITION ONLY; OPERATION PER MANUFACTURER'S INSTRUCTIONS. WINDOWS MUST BE CLOSED AND SECURED WHEN A HURRICANE WARNING IS ISSUED.

- 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 3S, 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, ASTM A123, 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.

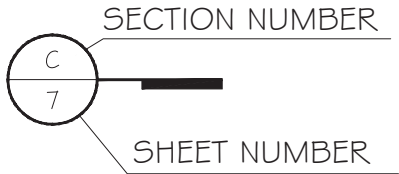
STEP 2: SEE SHEET E1 FOR TYPICAL WINDOW ELEVATION AND CAPACITY.

STEP 3: SEE SHEET A1 & A2 FOR ANCHOR OPTIONS.

STEP 4: 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

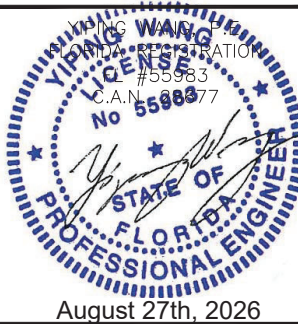


LIMITATIONS OF USE

- 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:

FL47916.1



Rev. No.	Date	Drawn By	Description
02	08.27.2026	James	UPDATE FBC 2026
01	11.24.2025	James	NEW PRODUCT APPLICATION

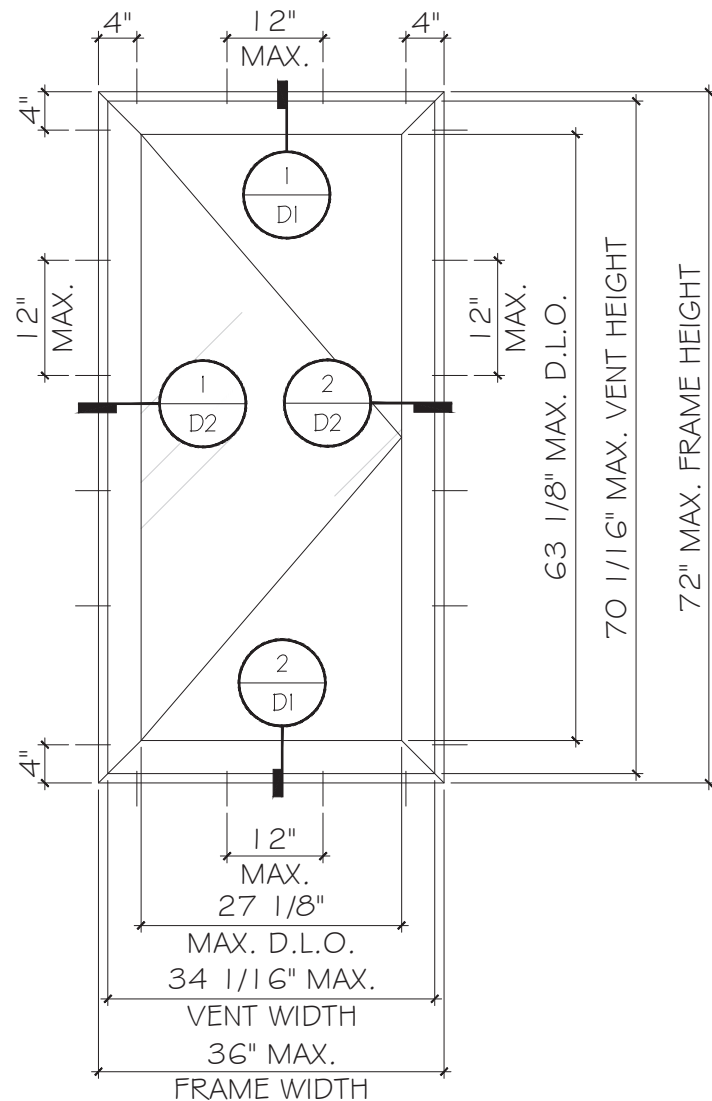
Drawn Date
08.27.2026

SCALE
AS SHOWN

DRAWING NO.
AD25-42

COVER

Sheet No.
1 OF 9

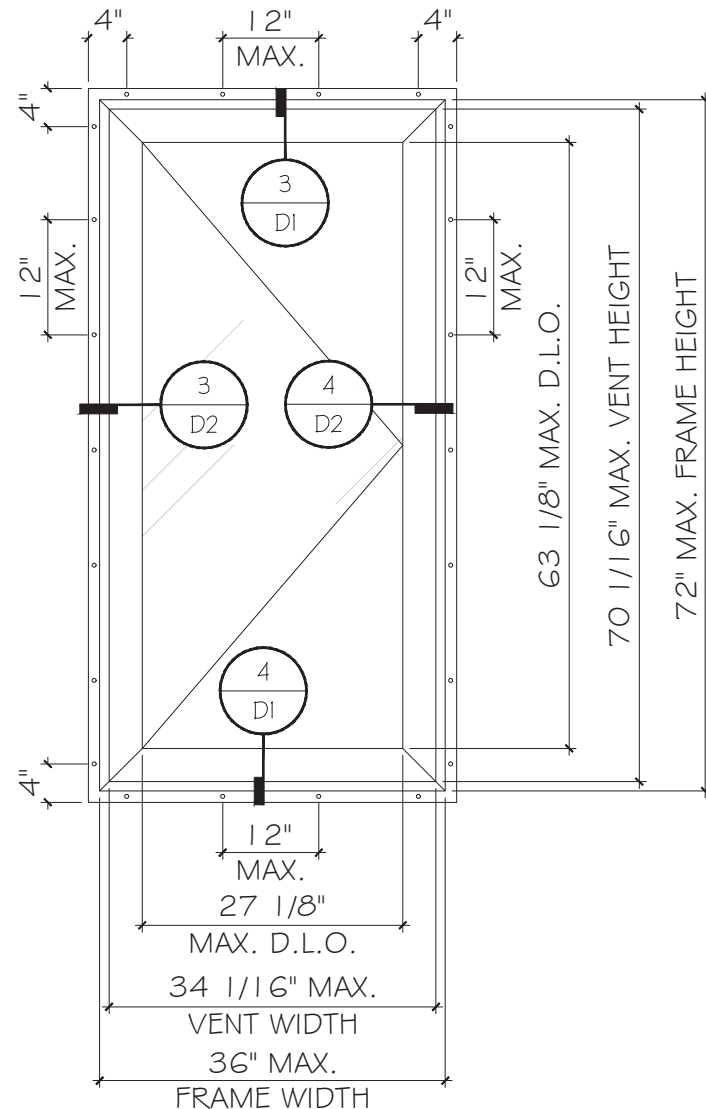


TYPICAL EXTERIOR ELEVATIONS

CONNECTION BRACKET
SEE SHEET A1 FOR ANCHOR TYPE

MAX. DESIGN LOAD - PSF.
+65/-65

NOTE: FOR SIZE AS SHOWN OR
SMALLER AS PERMITTED BY FBC.



TYPICAL EXTERIOR ELEVATIONS

FIN FRAME
SEE SHEET A2 FOR ANCHOR TYPE

MAX. DESIGN LOAD - PSF.
+65/-65

NOTE: FOR SIZE AS SHOWN OR
SMALLER AS PERMITTED BY FBC.

FLORIDA APPROVAL:
FL47916.1



Drawn Date	08.27.2026	SCALE	AS SHOWN
DRAWING NO.	AD25-42		
Sheet No.	2 OF 9		

SP65T CASEMENT WINDOW SYSTEM - NON-IMPACT
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
Shanghai, China
TEL.86 021-5822 0630 CELL.86 135-8572-3609

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 588 5224
www.MCYEngineering.com mcy@mcyengineering.com

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

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

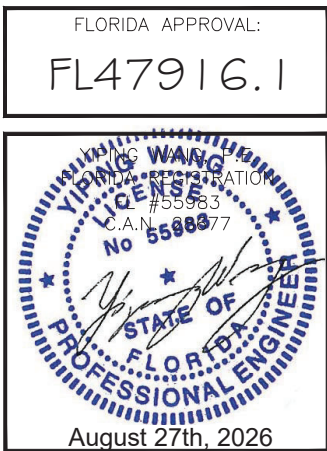
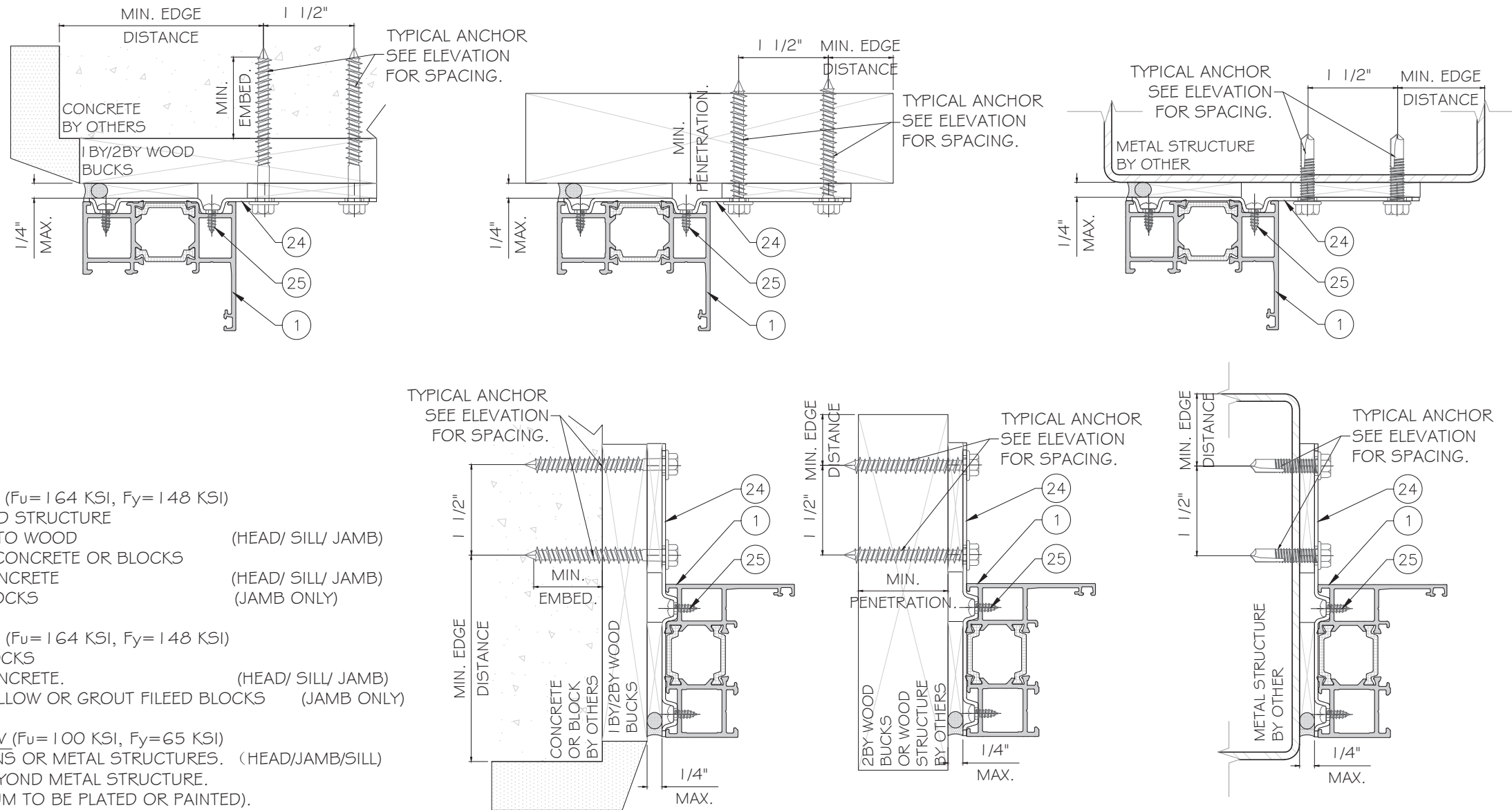
TYPE "B": 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
 DIRECTLY INTO CONCRETE OR BLOCKS WITH 1 3/4" MIN. EMBED INTO CONCRETE. (HEAD/ SILL/ JAMB)
 WITH 1 3/4" MIN. EMBED INTO HOLLOW OR GROUT FILEED BLOCKS (JAMB ONLY)

TYPE "C": 1/4" DIA. SS SELF-DRILLING SCREW ($F_u=100$ KSI, $F_y=65$ KSI)
 INTO FLORIDA APPROVED MULLIONS OR METAL STRUCTURES. (HEAD/JAMB/SILL)
 (3) THREAD MIN. PENETRATION BEYOND METAL STRUCTURE.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED).

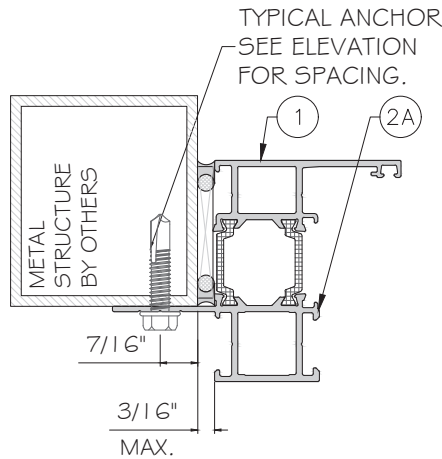
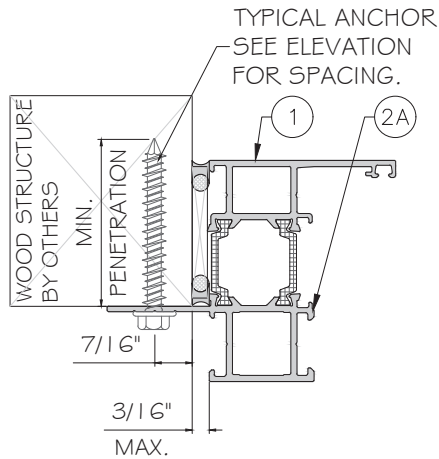
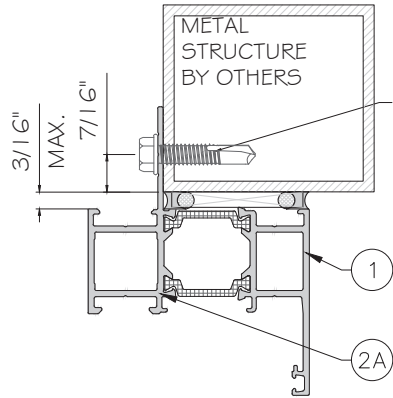
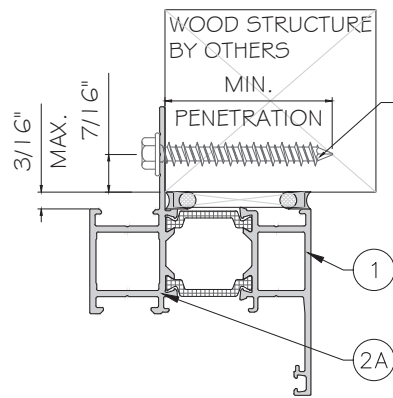
TYPICAL ANCHOR EDGE DISTANCE:
 INTO CONCRETE OR BLOCKS = 2 1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.
 CONCRETE f'_c = 3000 PSI MIN.
 C-90 GROUT FILLED BLOCK AT JAMBS, $f'_m=2$ KSI MIN.
 STEEL: 12 GA. MIN. ($F_y=36$ KSI MIN.)
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

NOTE: WOOD BUCKS/METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.



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TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

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 INTO WOOD (HEAD/ SILL/ JAMB)

TYPE "C": 1/4" DIA. SS SELF-DRILLING (Fu=100 KSI, Fy=65 KSI)
INTO METAL STRUCTURE OR FLORIDA APPROVED MULLIONS. (HEAD/JAMB/SILL)
(3) THREAD MIN PENETRATION BEYOND METAL STRUCTURE.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED).

TYPICAL ANCHOR EDGE DISTANCE:
INTO WOOD STRUCTURE = 3/8" MIN.
INTO METAL STRUCTURE = 3/8" MIN.

WOOD SG = 0.55 MIN.
STEEL: 12 GA. MIN. (Fy=36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

NOTE: WOOD BUCKS/METAL STRUCTURES BY OTHERS TO BE
DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS SYSTEM AND
TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.

FLORIDA APPROVAL:
FL47916.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No. 55983
C.A.N. 8877
August 27th, 2026

SP65T CASEMENT WINDOW SYSTEM - NON-IMPACT
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
Shanghai, China
TEL.86 021-5822 0630 CELL.86 135-8572-3609

Rev. No.	Date	Drawn By	Description
02	08.27.2026	James	UPDATE FBC 2026
01	11.24.2025	James	NEW PRODUCT APPLICATION

Drawn Date
08.27.2026

SCALE
AS SHOWN

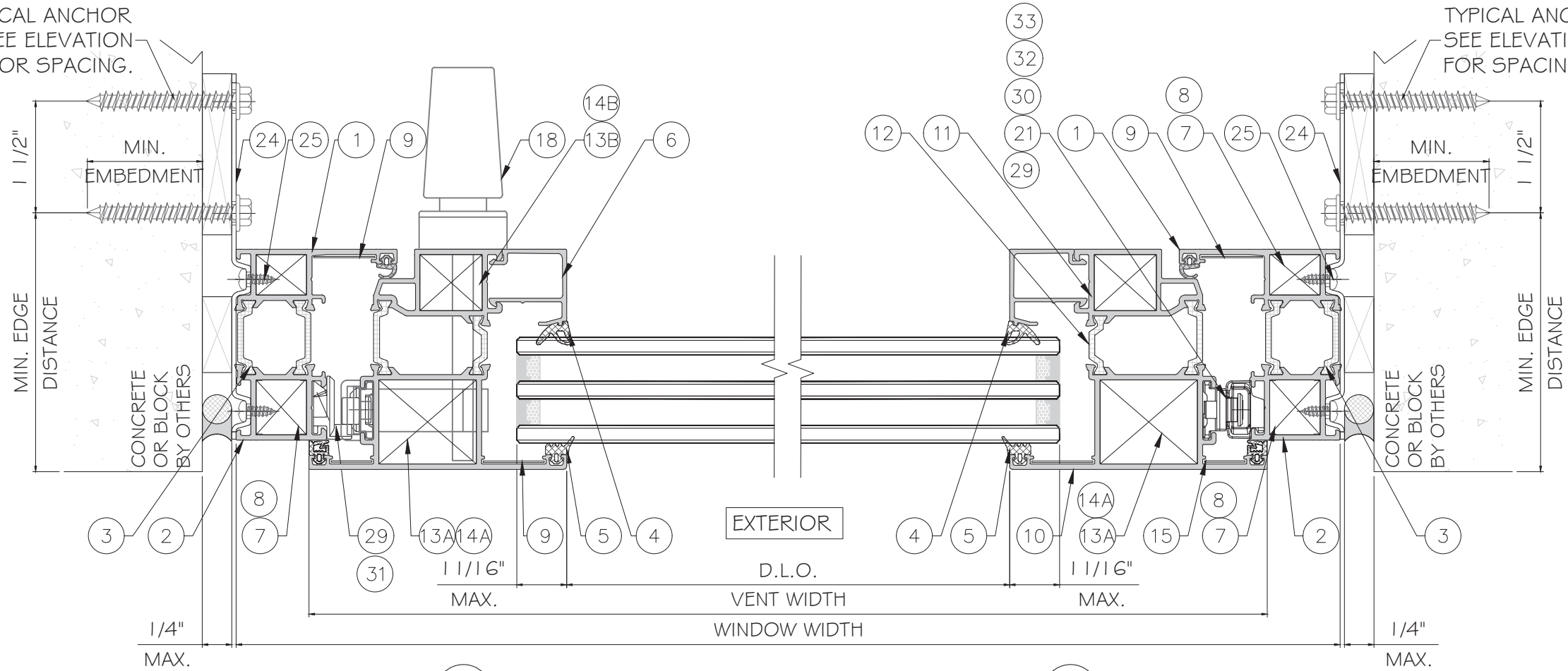
DRAWING NO.
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A2

Sheet No.
4 OF 9

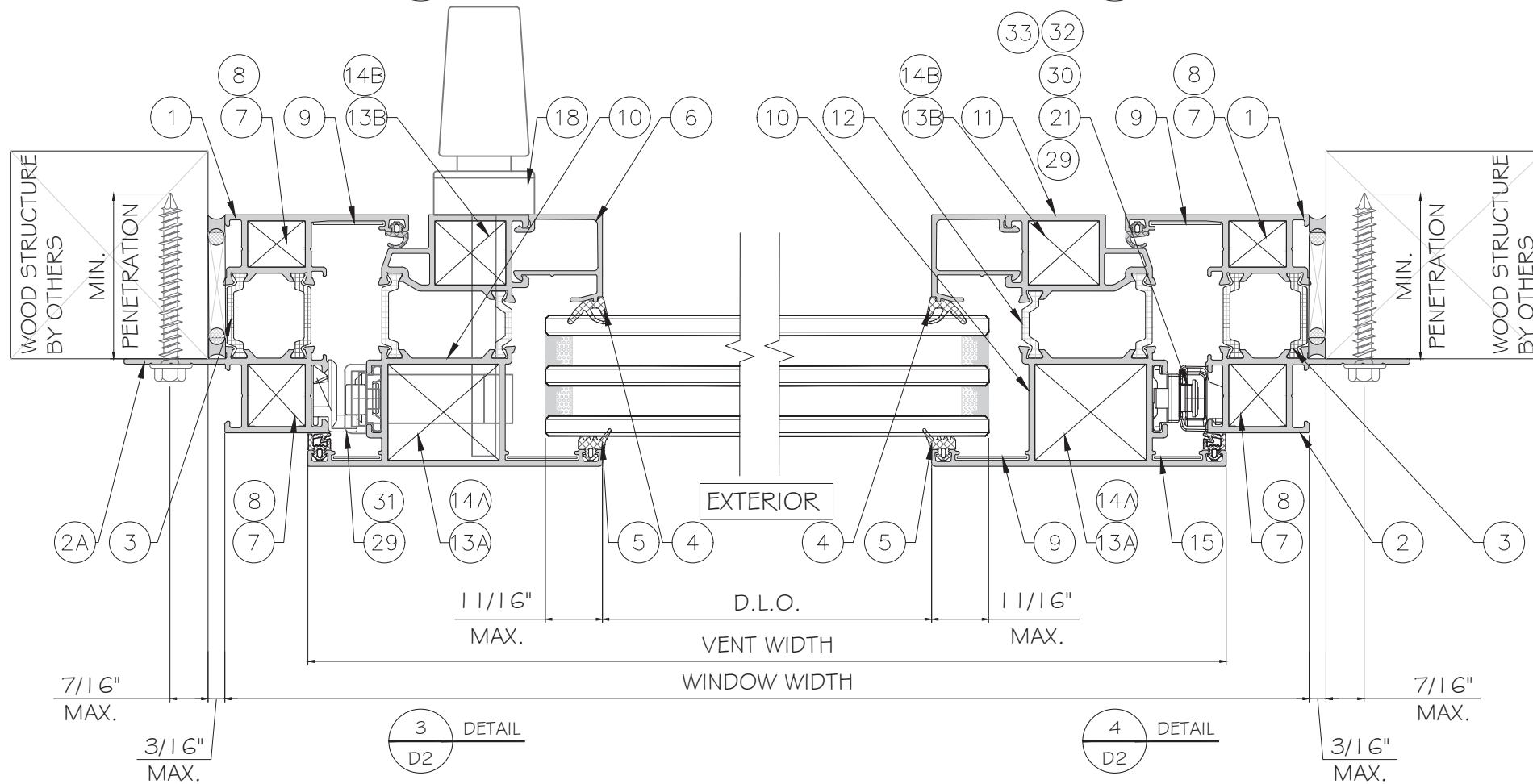
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 588 5224
www.MCYEngineering.com mcycyengineering.com

TYPICAL ANCHOR
SEE ELEVATION
FOR SPACING.



1
D2
DETAIL

2
D2
DETAIL



3
D2
DETAIL

4
D2
DETAIL

TYPICAL ANCHOR
SEE ELEVATION
FOR SPACING.

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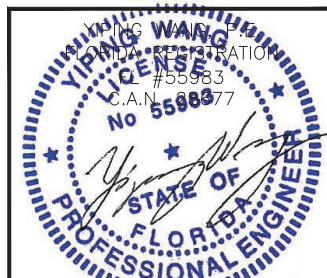
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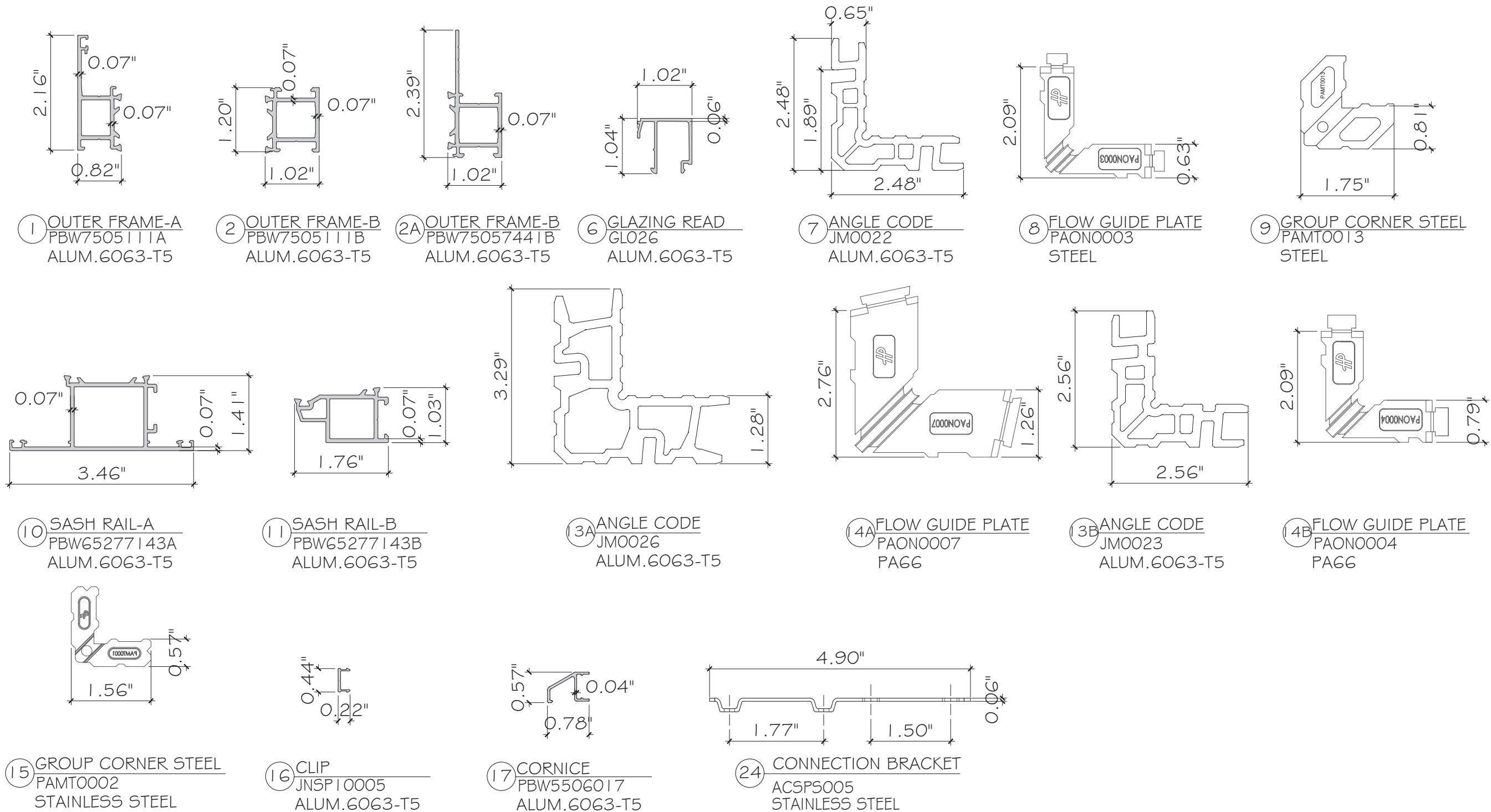
Drawn Date 08.27.2026 SCALE AS SHOWN

DRAWING NO.

AD25-42

D2

Sheet No.
6 OF 9



FLORIDA APPROVAL:
FL47916.1

YIPANG WANG
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 55983
REGISTRATION NO. 55983
C.A.N. 8877
August 27th, 2026

SP65T CASEMENT WINDOW SYSTEM - NON-IMPACT
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
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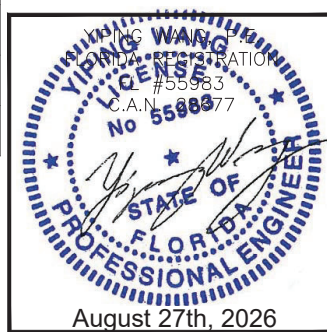
PART
Sheet No.
7 OF 9

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 588 5224
www.MCYEngineering.com mcy@mcyengineering.com

MCY

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUFACTURER
1	PBW7505111A	OUTER FRAME-A	ALUM. 6063-T5	-
2	PBW7505111B	OUTER FRAME-B	ALUM. 6063-T5	-
3	C-25.3	THERMAL BREAK	POLYAMIDE 66.	TECHNO FORM BAUTEC
4	SBWG-015	INTERIOR EPDM GASKET	EPDM	-
5	SBWG-012	EXTERIOR EPDM GASKET	EPDM	-
6	GLO26	GLAZING BEAD	ALUM. 6063-T5	-
7	JM0022	ANGLE CODE	ALUM. 6063-T5	-
8	PAON0003	FLOW GUIDE PLATE	POLYAMIDE 66.	-
9	PAMTOO13	GROUP CORNER	STAINLESS STEEL.	-
10	PBW65277143A	SASH RAIL-A	ALUM. 6063-T5	-
11	PBW65277143B	SASH RAIL-B	ALUM. 6063-T5	-
12	C-20	THERMAL BREAK	POLYAMIDE 66.	TECHNO FORM BAUTEC
13A	JM0026	ANGLE CODE	ALUM. 6063-T5	-
13B	JM0023	ANGLE CODE	ALUM. 6063-T5	-
14A	PAON0007	FLOW GUIDE PLATE	POLYAMIDE 66.	-
14B	PAON0004	FLOW GUIDE PLATE	POLYAMIDE 66.	-
15	PAMTO001	GROUP CORNER STEEL	STAINLESS STEEL.	-
16	JNSP10005	CLIP	ALUM. 6063-T5	-
17	PBW5506017	CORNICE	ALUM. 6063-T5	-
18	O515	HANDLE	ZINC ALLOY	HOPO
19	FH06	FRICTION HINGE	ZINC ALLOY	HOPO
20	ALP15	CERTRE-CLOSER	STAINLESS STEEL.	-
21	ALP33	STAINLESS STEEL LOCK SEAT	STAINLESS STEEL.	-
22	PAOK0046	GASKET	EPDM	-
23	PAOK0141	COMPOSITE STRIPS	EPDM	-
24	ACSP5005	CONNECTION BRACKET	STAINLESS STEEL.	-
25	-	#10 X 3/8" PH SCREW	STAINLESS STEEL.	-
26	NOT USED	-	-	-
27	WHCO1	WEEP HOLE COVER	POLYAMIDE 66.	-
28	-	1 5/32" X 1" EPDM SETTING BLOCKS	EPDM DUROMETER 80 ± 5 SHORE A	-
29	VSO TS K50	CORNER DRIVE	STAINLESS STEEL.	-
30	SC350/III-10"	SUPPORT ARM	STAINLESS STEEL.	HOPO
31	26G533	STRIKE	STAINLESS STEEL.	HOPO
32	ALR21	LOCKING CAM	STAINLESS STEEL.	HOPO
33	ALR28	LOCKING CAM	STAINLESS STEEL.	HOPO

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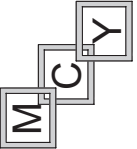
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HARDWARE

QUANTITY	DESCRIPTION	DISTANCE	LOCATION	METHOD OF ATTACHMENT
1	HANDLE. (HOPO)	36" FROM BOTTOM	LOCK RAIL	(2) #10 X 2 1/2" FH MS
1	LEVER OPERATED MULTIPOINT LOCK. (HOPO)	36" FROM BOTTOM	LOCK RAIL	(2) #10 X 1/2" FH MS WITH WASHER
3	STAINLESS STEEL LOCK SEATS. (HOPO)	6" MAX. FROM EACH END, @38" MAX. O.C.	LOCK RAIL	CRIMPED INTO THE FRAME
2	CENTER CLOSER. (HOPO)	24" MAX. FROM EACH END.	FRAME JAMB	(1) #8 X 1/4" FH MS.
1	STRIKER. (HOPO)	2" FROM LEFT	FRAME SILL	CRIMPED INTO THE FRAME
1	SUPPORT ARM. (HOPO)	20 1/2" FROM LEFT	FRAME AND VENT	TO FRAME AND VENT: (2) #8 X 5/8" FH SMS
2	FOUR BAR HINGE. (HOPO)	EACH END OF THE FRAME HEAD AND FRAME SILL	FRAME HEAD AND FRAME SILL	TO FRAME AND VENT: (4) #8 X 1/2" PH SMS



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SP65T CASEMENT WINDOW SYSTEM - NON-IMPACT

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Drawn Date 08.27.2026	SCALE AS SHOWN
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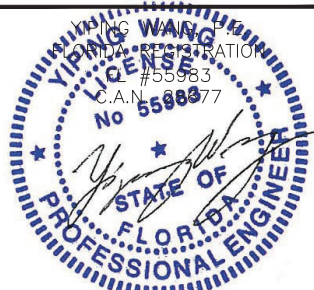
HARDWARE

Sheet No.

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FLORIDA APPROVAL:

FL47916.1



August 27th, 2026