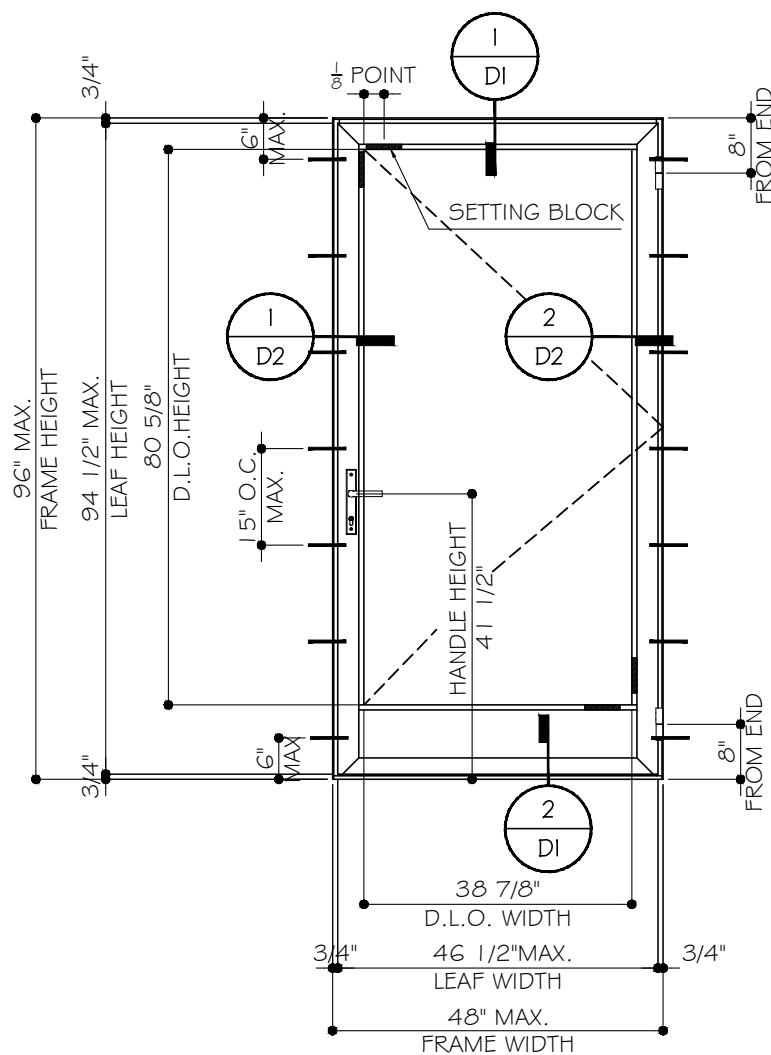


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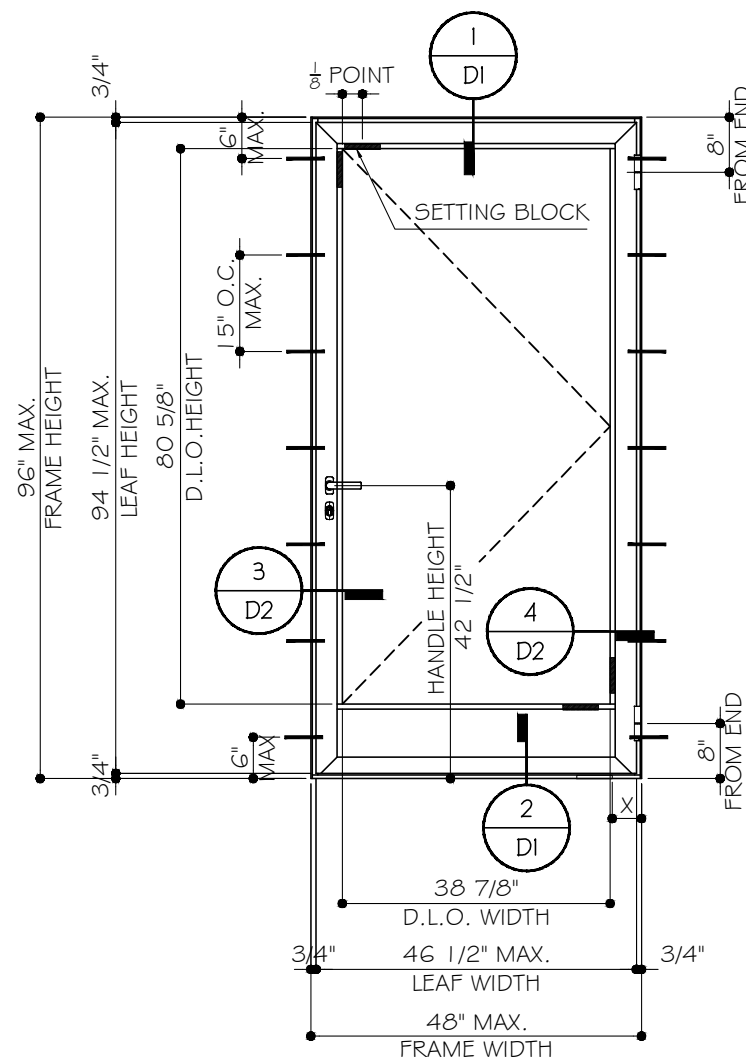
A CRH COMPANY

TERRA SWING ACCESS ALUMINUM ARCHITECTURAL TERRACE DOOR-N.I. (NON-IMPACT)



OUTSWING TERRACE DOOR
(HTD1 HARDWARE)

MAX. DESIGN LOAD
 $P_d = \pm 75.2$ PSF



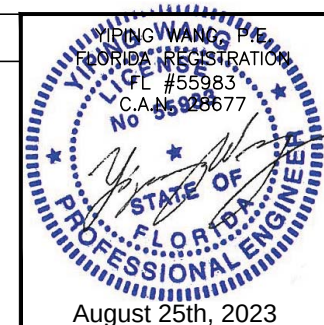
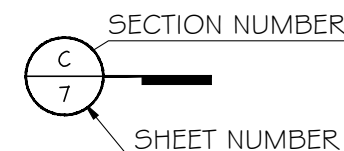
OUTSWING TERRACE DOOR
(HTD2 HARDWARE)

MAX. DESIGN LOAD
 $P_d = \pm 65$ PSF

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020)/ 8TH EDITION (2023) EDITION NOT INCLUDING HIGH VELOCITY HURRICANE ZONE (NON IMPACT).
- DOORS ARE RATED FOR NON-IMPACT. INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.
- DESIGN LOAD IN THIS DOCUMENT IS ALLOWABLE DESIGN LOAD. PROJECT ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-16/ ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.
- THESE DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON ELEVATIONS.
- 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.
- 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 2020/ 2023 FLORIDA BUILDING CODE SECTION AS APPLICABLE.
- ALL SUBSTRATE BY OTHERS MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOAD FROM GLAZING SYSTEM TO BUILDING STRUCTURE.

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
G.B. - GLASS BITE



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GLAZING CONSULTANTS

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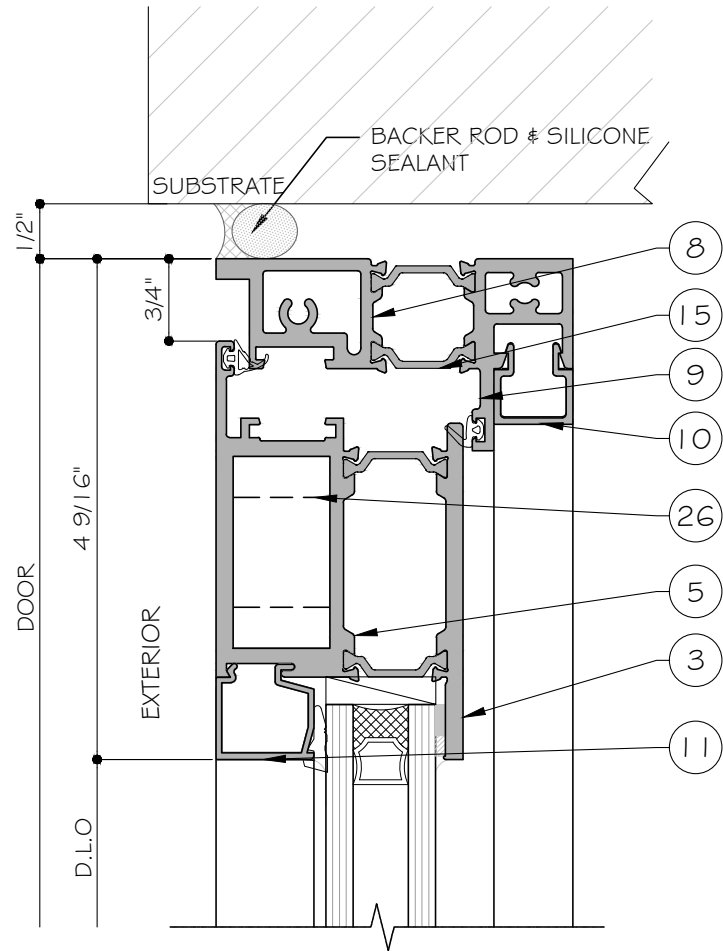
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PROJECT	

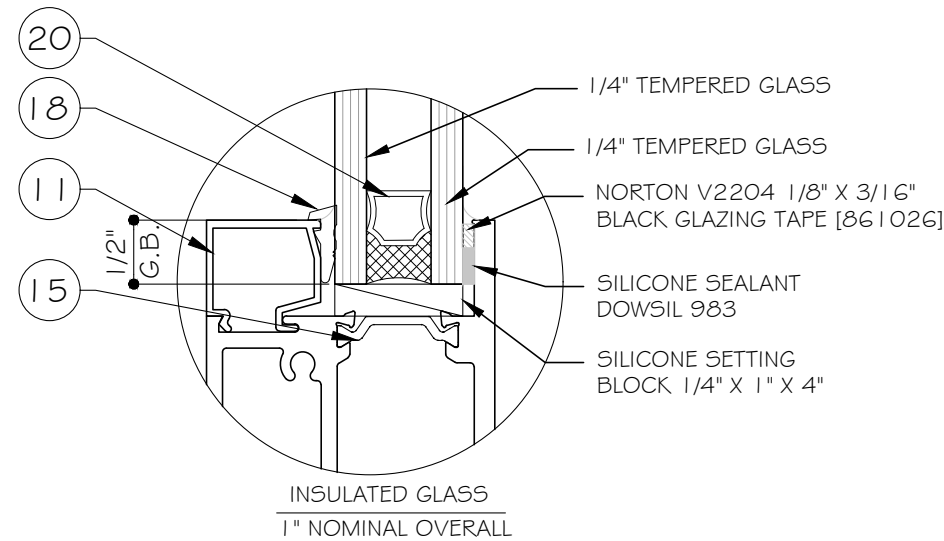
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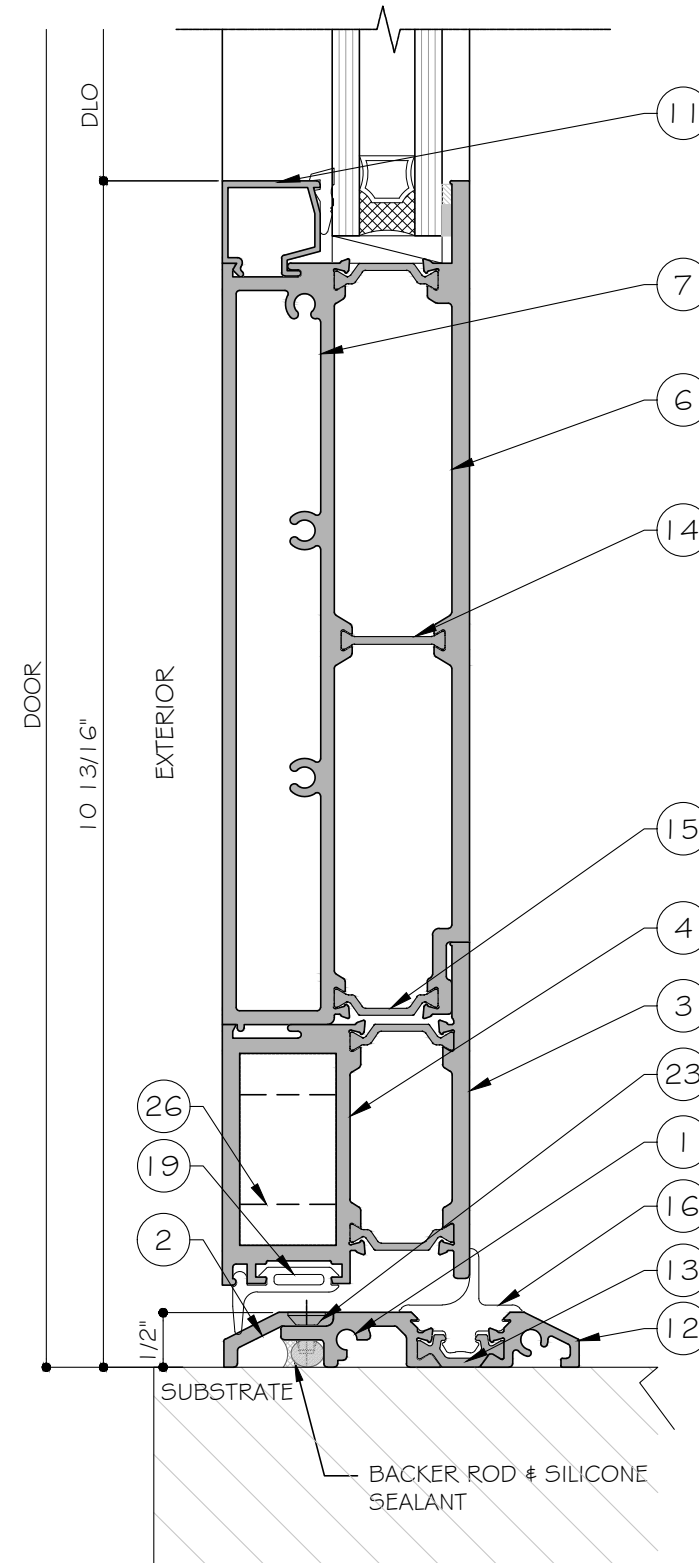
1 OF 8



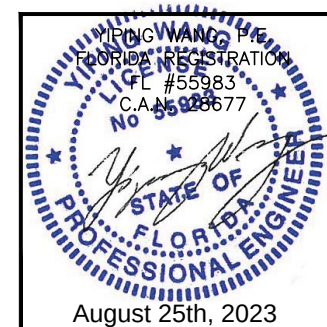
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DETAIL



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



2
DI
DETAIL



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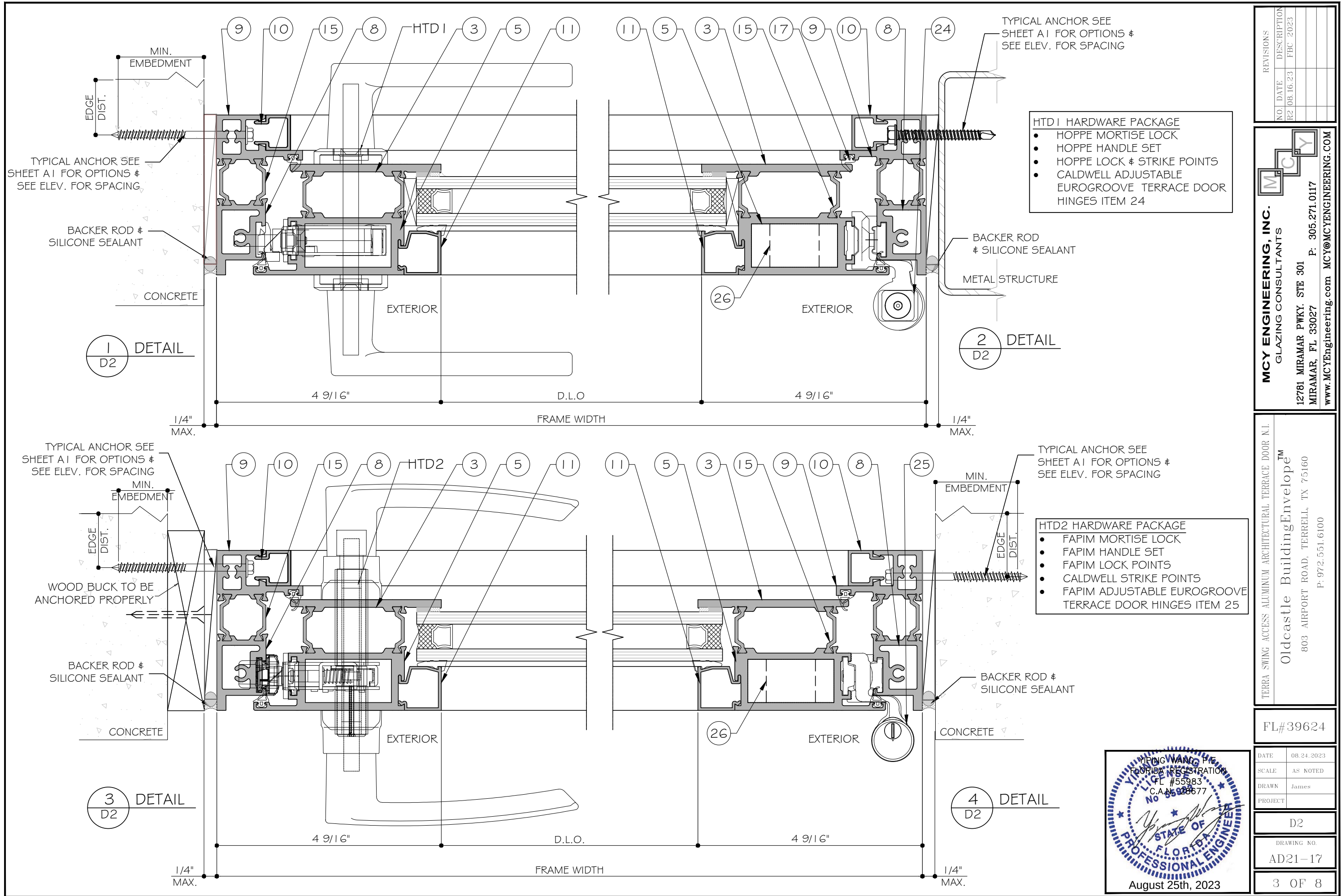
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D1

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2 OF 8



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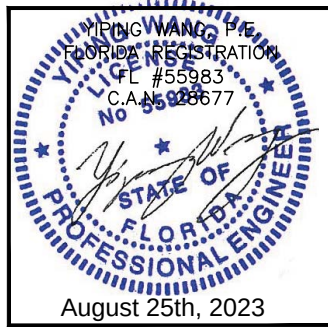
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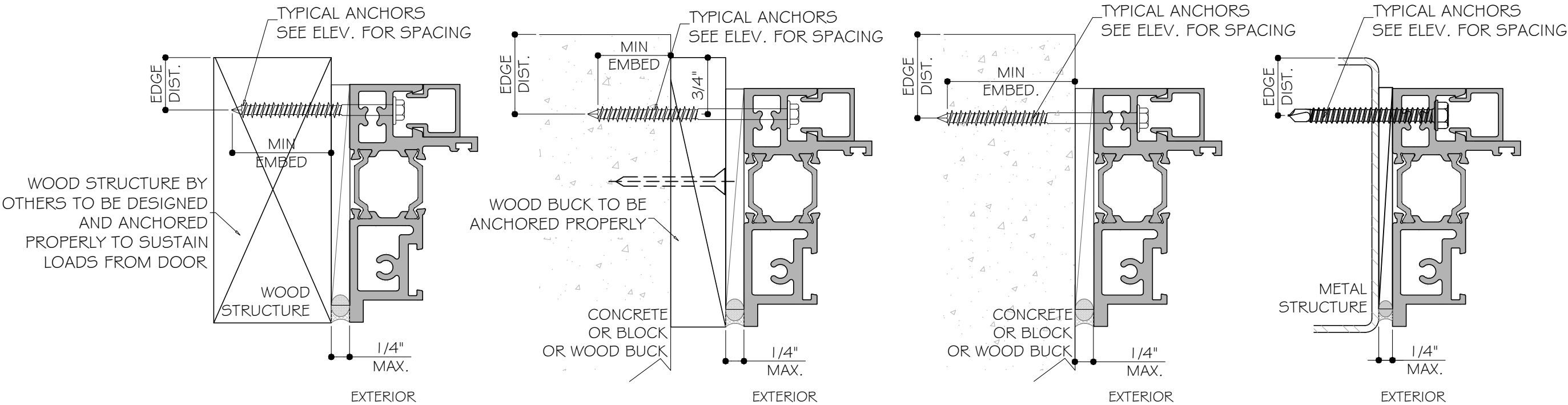
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D2

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TYPICAL ANCHORS:
ANCHOR LAYOUT SEE ELEVATION FOR SPACING

ANCHOR TYPE "A": 3/16" DIA. ULTRACON+ BY DEWALT (Fy=117KSI, Fu=164KSI)
WITH 1 1/2" MIN. EMBED INTO WOOD BUCK OR WOOD STRUCTURE
OR THRU WOOD BUCK INTO CONCRETE OR MASONRY OR DIRECT INTO CONCRETE

- 1 1/4" MIN. EMBED INTO HOLLOW BLOCK
- 1 3/4" MIN. EMBED INTO GROUT FILLED BLOCK
- 1 3/4" MIN. EMBED INTO CONCRETE

ANCHOR TYPE "B": #12 DRIL-FLEX (TEKS) GRADE 5 (Fy=92KSI, Fu=120KSI)
INTO 1/8"THK. MIN. ALUM. STRUCTURAL. (6063-T5 MIN.)
OR STEEL: 1/8". MIN.(Fy = 36 KSI MIN.)

TYPICAL EDGE DISTANCE

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

WOOD SG= 0.55 MIN.
CONCRETE f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

WOOD BUCKS AND METAL STRUCTURE NOT BY OLDCASTLE
BUILDINGENVELOPE MUST BE DESIGNED AND ANCHORED PROPERLY
TO SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER
THEM TO BUILDING STRUCTURE.



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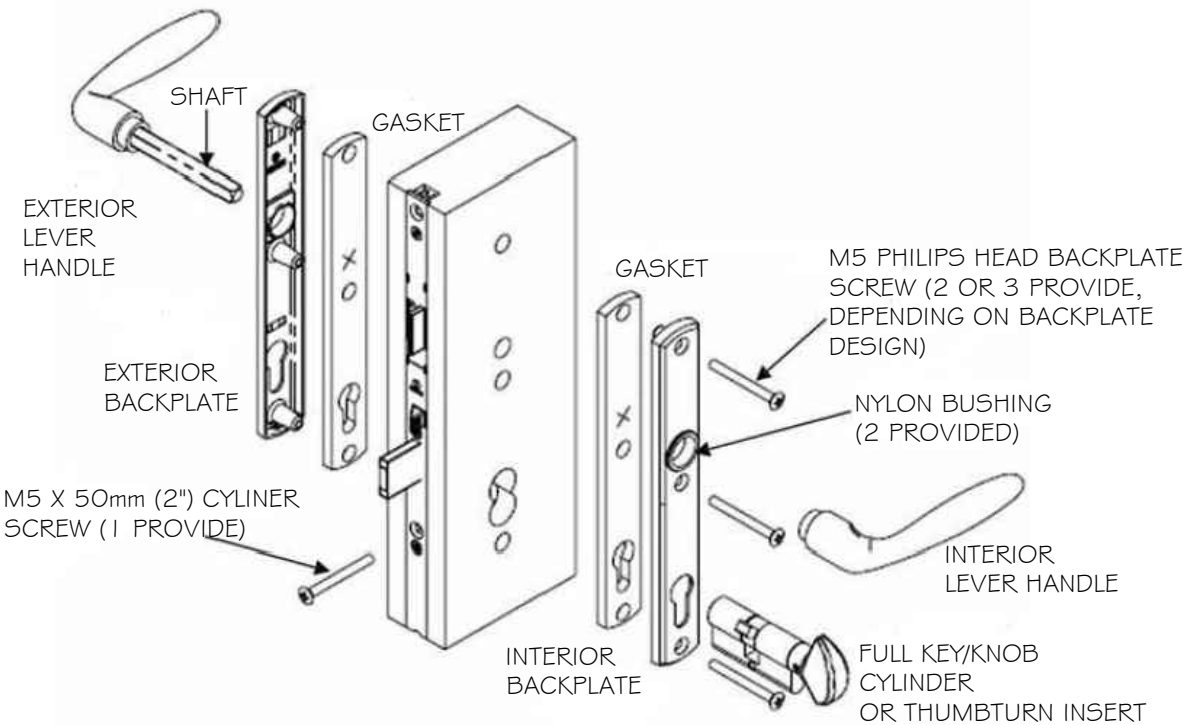
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4 OF 8	

HTD1 HARDWARE (HOPPE & CALDWELL)

HANDLE SET INSTALLATION

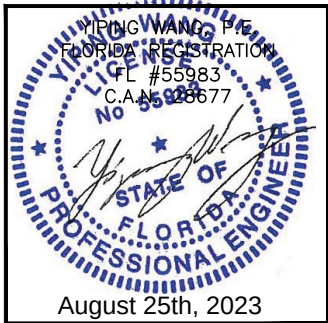
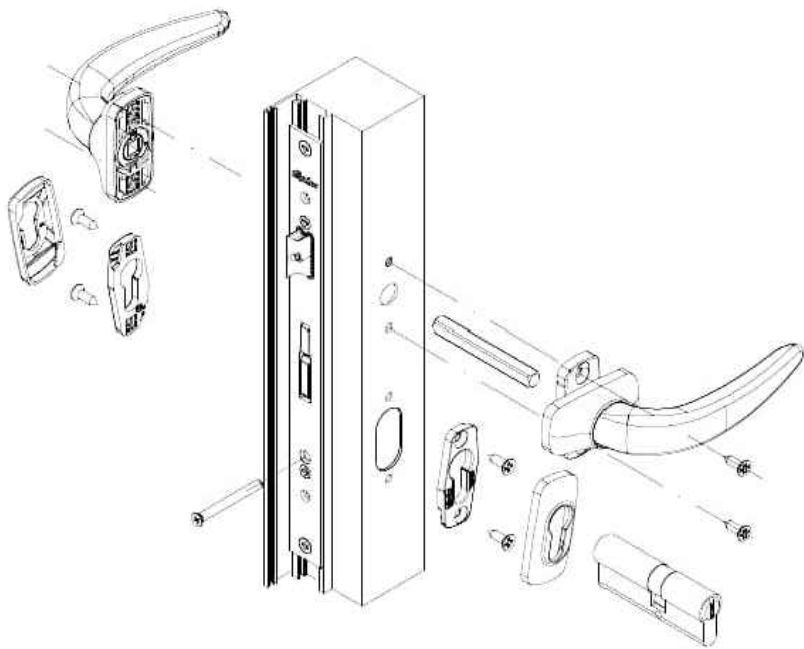
- A. APPLY THE BACKPLATE GASKET TO THE INSIDE OF EACH BACKPLATE. PUSH GASKETS FIRMLY INTO PLACE TO ENSURE A TIGHT SEAL. SNAP A NYLON BUSHING INTO THE HANDLE HOLE OF EACH BACKPLATE.
- B. ATTACH INTERIOR AND EXTERIOR BACKPLATES TO DOOR AND FASTEN LOOSELY WITH THE M5 PHILLIPS HEAD BACKPLATE SCREWS PROVIDED. NOTE: THE SCREW HEADS MUST BE ON THE INTERIOR SIDE OF THE DOOR.
- C. IF THE HANDLES ARE HANDED, DETERMINE WHICH ONE IS THE INTERIOR HANDLE. PUSH SHAFT INTO INTERIOR HANDLE UNTIL IT STOPS.
- D. HOLDING INTERIOR HANDLE IN THE PROPER HORIZONTAL POSITION, INSERT THE HANDLE WITH SHAFT ATTACHED THROUGH THE BACKPLATE AND DOOR GEAR HANDLE HOLE, UNTIL HANDLE IS FIRMLY SEATED AGAINST THE NYLON BUSHING.
- E. WHILE HOLDING INTERIOR HANDLE IN PLACE, SLIDE EXTERIOR HANDLE ONTO SHAFT AND PRESS BOTH HANDLES TOGETHER UNTIL SECURE AND TIGHT TO BACKPLATES.
- F. INSERT THE KEY/KNOB CYLINDER OR THUMBTURN INSERT FROM THE INTERIOR SIDE OF THE DOOR UNTIL CYLINDER BODY IS FLUSH WITH BACKPLATE.
- G. INSTALL THE CYLINDER SCREW THROUGH THE SCREW HOLE BELOW THE DEADBOLT IN THE EDGE OF THE DOOR TO SECURE IN PLACE.
- H. HAND-TIGHTEN BACKPLATE SCREWS. NOTE: IF HANDLES SEEM LOOSE AFTER TIGHTENING BACKPLATES, PUSH HANDLES TOGETHER AGAIN UNTIL TIGHT.



HTD2 HARDWARE (FAPIM)

HANDLE SET INSTALLATION

- A. PUSH AND TWIST THE HANDLE BASE COVER TOWARDS THE HANDLE REVEALING THE MOUNTING HOLES.
- B. IF THE HANDLES ARE HANDED, DETERMINE WHICH ONE IS THE INTERIOR HANDLE. PUSH SHAFT INTO INTERIOR HANDLE UNTIL IT STOPS.
- C. HOLDING INTERIOR HANDLE IN THE PROPER HORIZONTAL POSITION, INSERT THE HANDLE WITH SHAFT ATTACHED THROUGH THE DOOR LEAF AND GEAR HANDLE HOLE, UNTIL HANDLE IS FIRMLY SEATED AGAINST THE LEAF.
- D. SECURE THE INTERIOR HANDLE TO THE DOOR WITH THE PROVIDED FASTENERS AND TWIST THE HANDLE BASE COVER TO FASTENERS.
- E. SLIDE THE EXTERIOR HANDLE ONTO THE SHAFT AND PRESS UNTIL THE HANDLE IS FIRMLY SEATED AGAINST THE DOOR LEAF.
- F. SECURE THE EXTERIOR HANDLE TO THE DOOR WITH THE PROVIDED FASTENERS AND TWIST THE HANDLE BASE COVER TO FASTENERS.
- G. MOUNT THE BASEPLATE FOR THE LOCK CYLINDER COVER(S) TO THE DOOR LEAF WITH THE PROVIDED FASTENERS (DEPENDING ON THE ORDERED LOCK CONFIGURATION THERE MAY BE A COVER ON EITHER THE EXTERIOR, INTERIOR, OR BOTH). SEE FIGURE PIC BELOW FOR ORIENTATION.
- H. INSTALL THE LOCK CYLINDER COVER(S) ONTO THE BASEPLATE(S) AND TURN SLIGHTLY TO ALIGN THE KEYWAY NOTCH TO LOCK INTO PLACE.
- I. INSERT THE KEY/KNOB CYLINDER OR THUMBTURN INSERT FROM THE INTERIOR SIDE OF THE DOOR UNTIL CYLINDER BODY IS APPROXIMATELY FLUSH WITH THE CYLINDER COVER.
- J. INSTALL THE CYLINDER SCREW THROUGH THE SCREW HOLE BELOW THE DEADBOLT IN THE EDGE OF THE DOOR TO SECURE IN PLACE.



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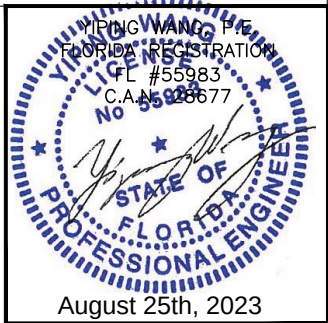
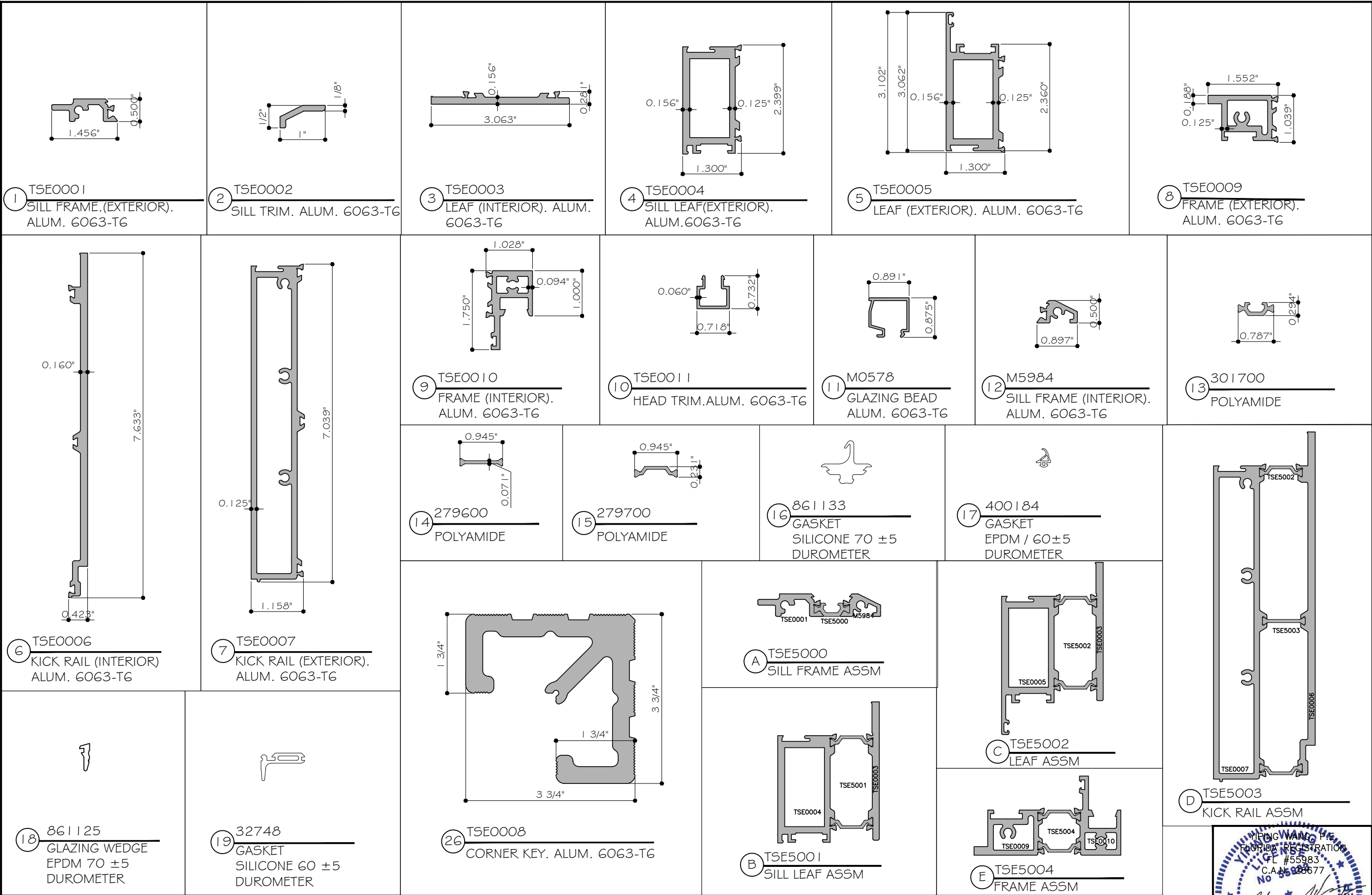
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PARTS

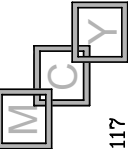
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BILL OF MATERIALS

ITEM	PART	DESCREPTION	MATERIAL	REMARKS
1	TSE0001	SILL FRAME (EXTERIOR)	ALUMINUM 6063-T6	-
2	TSE0002	SILL TRIM	ALUMINUM 6063-T6	-
3	TSE0003	LEAF (INTERIOR)	ALUMINUM 6063-T6	-
4	TSE0004	SILL LEAF (EXTERIOR)	ALUMINUM 6063-T6	-
5	TSE0005	LEAF (EXTERIOR)	ALUMINUM 6063-T6	-
6	TSE0006	KICK RAIL (INTERIOR)	ALUMINUM 6063-T6	-
7	TSE0007	KICK RAIL (EXTERIOR)	ALUMINUM 6063-T6	-
8	TSE0009	FRAME (EXTERIOR)	ALUMINUM 6063-T6	-
9	TSE0010	FRAME (INTERIOR)	ALUMINUM 6063-T6	-
10	TSE0011	HEAD TRIM	ALUMINUM 6063-T6	-
11	M0578	GLAZING BEAD	ALUMINUM 6063-T6	-
12	M5984	SILL FRAME (INTERIOR)	ALUMINUM 6063-T6	-
13	301700	20.0 MM GASKET STRUT	POLYAMIDE	-
14	279600	24.0 MM FLAT STRUT	POLYAMIDE	-
15	279700	24.0 MM OFFSET STRUT	POLYAMIDE	-
16	861133	SILL GASKET	SILICONE 70±5 DUROMETER	-
17	400184	HEAD/ JAMB GASKET	EPDM 60±5 DUROMETER	-
18	861125	EPDM GLAZING WEDGE	EPDM 70±5 DUROMETER	-
19	32748	TSE9000 THRESHOLD DR SWEEP GASKET	EPDM 60±5 DUROMETER	-
20	-	GLAZING SPACER	ALUMINUM OR TECHNOFORM'S TGI® SPACER M	-
21	831255	SETTING BLOCK 1/4" X 1" X 4"	SILICONE	-
22	861026	GLAZING TAPE	POLYURETHANE FOAM 30 DUROMETER	-
23	650033	#10 X 3/8" PF FL U/C HD SS SMS B PT	STEEL	-
24	—	CALDWELL ADJUSTABLE EUROGROOVE TERRACE DOOR HINGES	-	-
25	—	FAPIM ADJUSTABLE EUROGROOVE TERRACE DOOR HINGES	-	-
26	TSE0008	CORNER KEY	ALUMINUM 6063-T6	-
27	620075	#12" X 3 1/2" PH FL HD 18-8 SS SMS AB PT	STAINLESS STEEL	-
28	620060	#12" X 2" PH TR HD 18-8 SS SMS AB PT	STAINLESS STEEL	-

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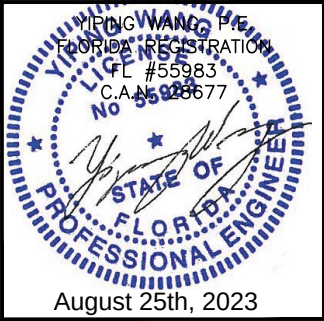


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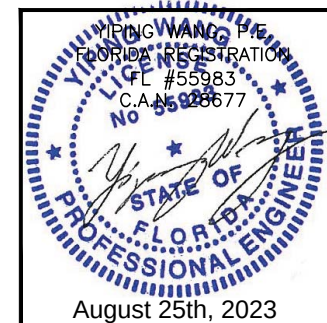
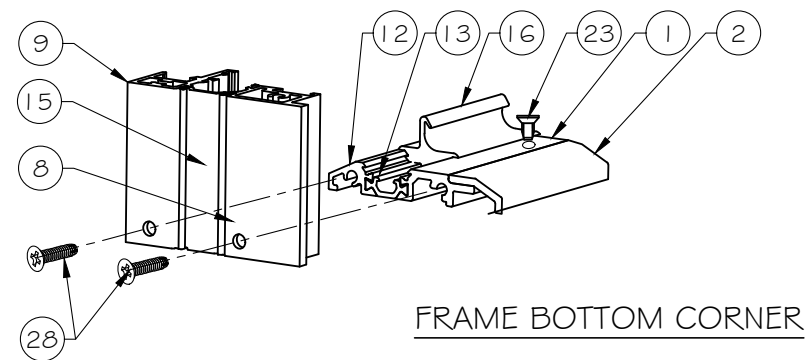
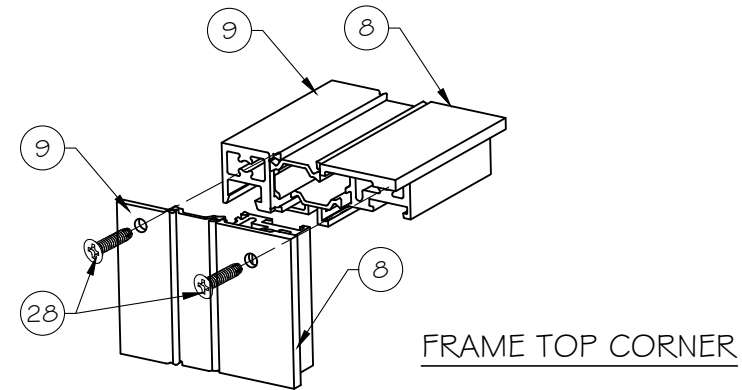
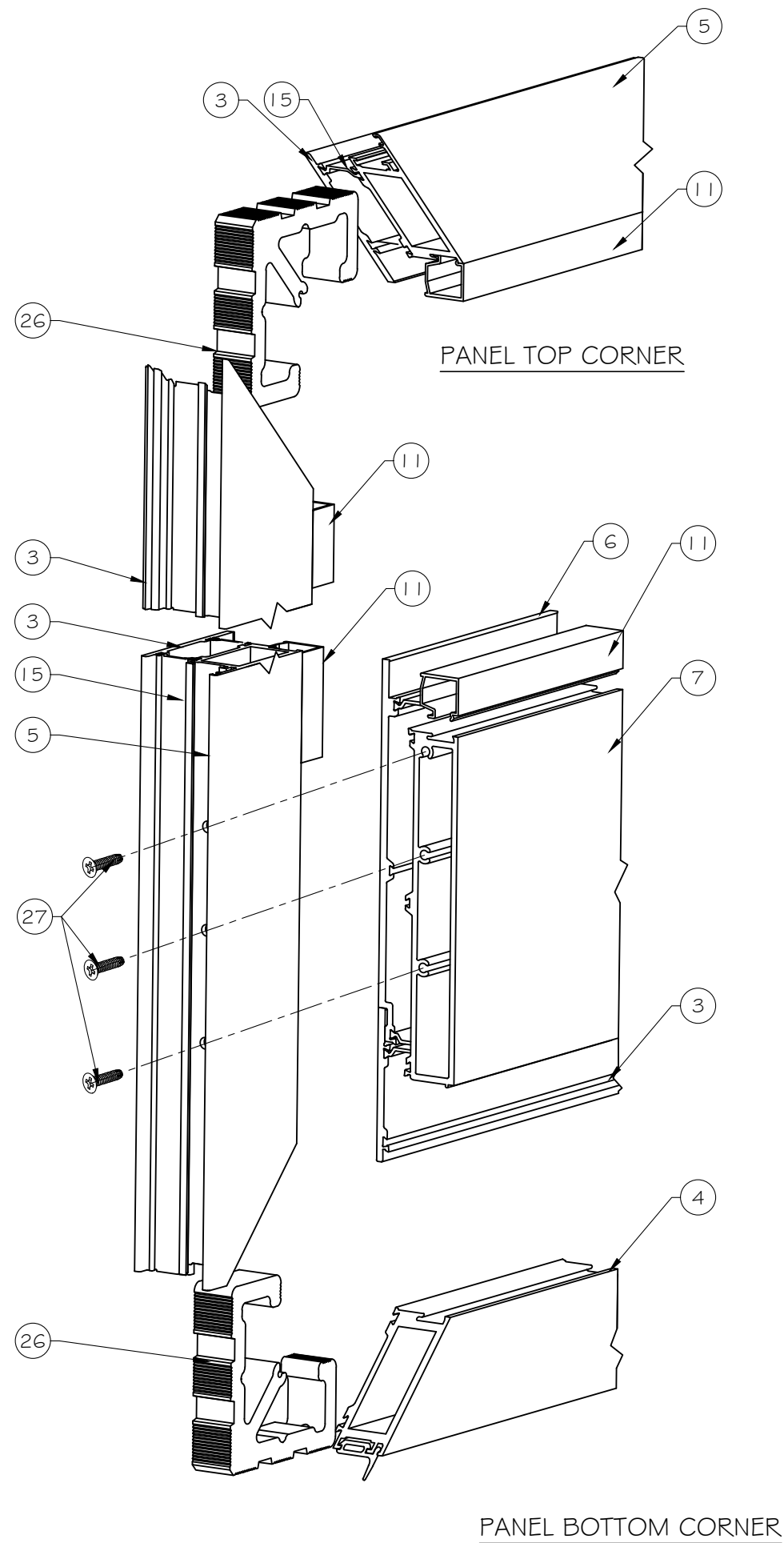
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7 OF 8	



YIPENG WANG, P.E.
 FLORIDA REGISTRATION
 FL #55983
 C.A.# 928677
 August 25th, 2023



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