

PRODUCT:

**351 SERIES
ALUM OUTSWING
DRY-GLAZED
DOORS**

W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

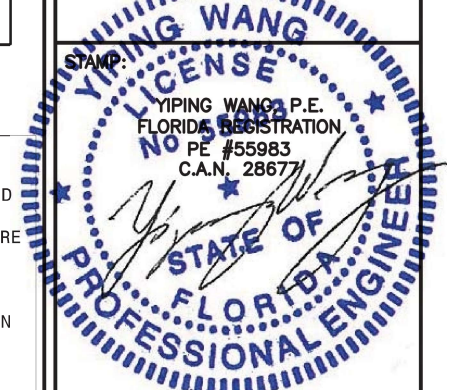
REVN	DATE/REMARKS
REV 01	02/04/19 UPDATE
REV 02	07/07/20 UPDATE TO FBC2020

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12871 Miramar Pkwy Ste. 301
Miramar, FL 33027
P: 305-271-0117
Email: www.MCYEngineering.com
mcy@mcyengineering.com

STAMP:



October 20th, 2020

FLORIDA APPROVAL:

FL #18413

DRAWN: James

DATE: 07-07-20

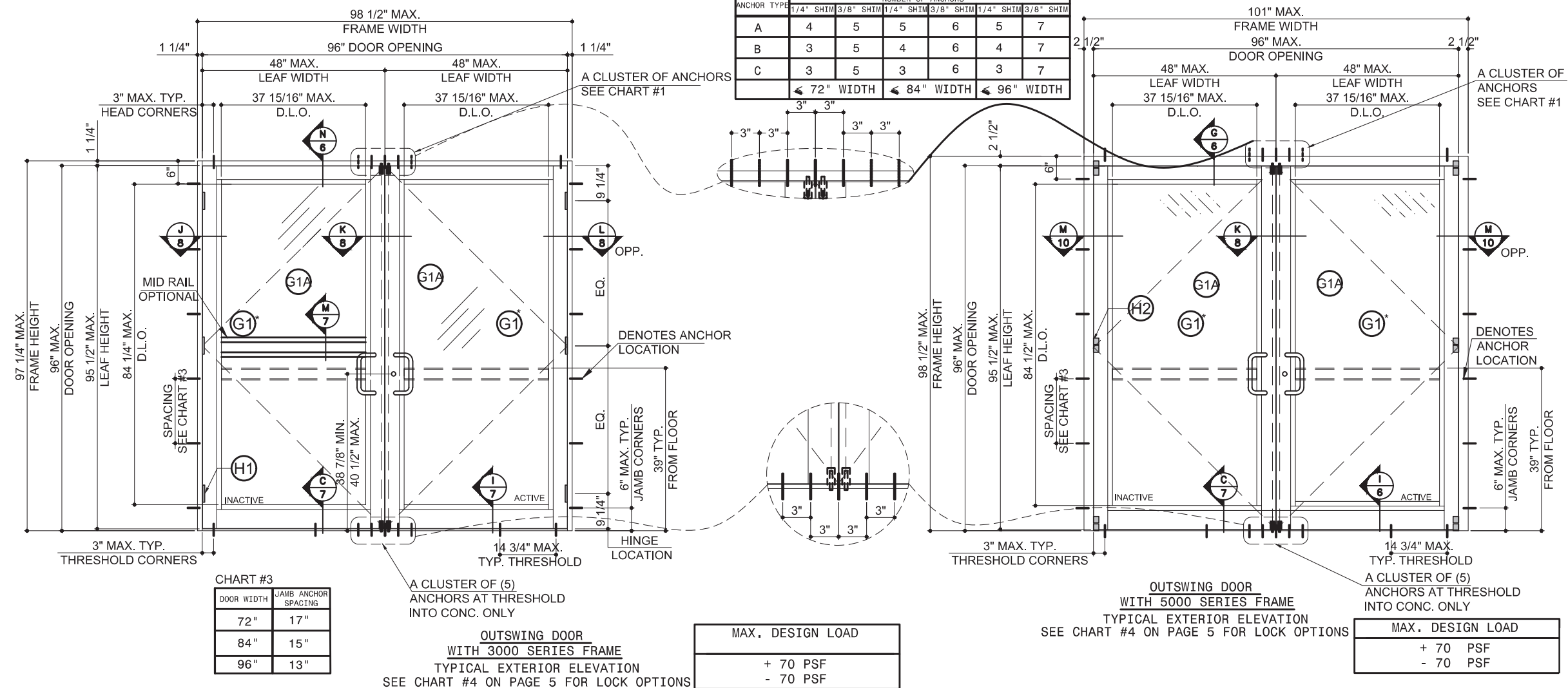
DWG: AD15-23

DRAWING No:

1 OF 14

CHART #1
NUMBER OF ANCHORS AT MEETING STILE HEAD

ANCHOR TYPE	NUMBER OF ANCHORS					
	1/4" SHIM	3/8" SHIM	1/4" SHIM	3/8" SHIM	1/4" SHIM	3/8" SHIM
A	4	5	5	6	5	7
B	3	5	4	6	4	7
C	3	5	3	6	3	7
	72" WIDTH		84" WIDTH		96" WIDTH	



* Door panel width limit to 36" Max. when use Glazing type G1

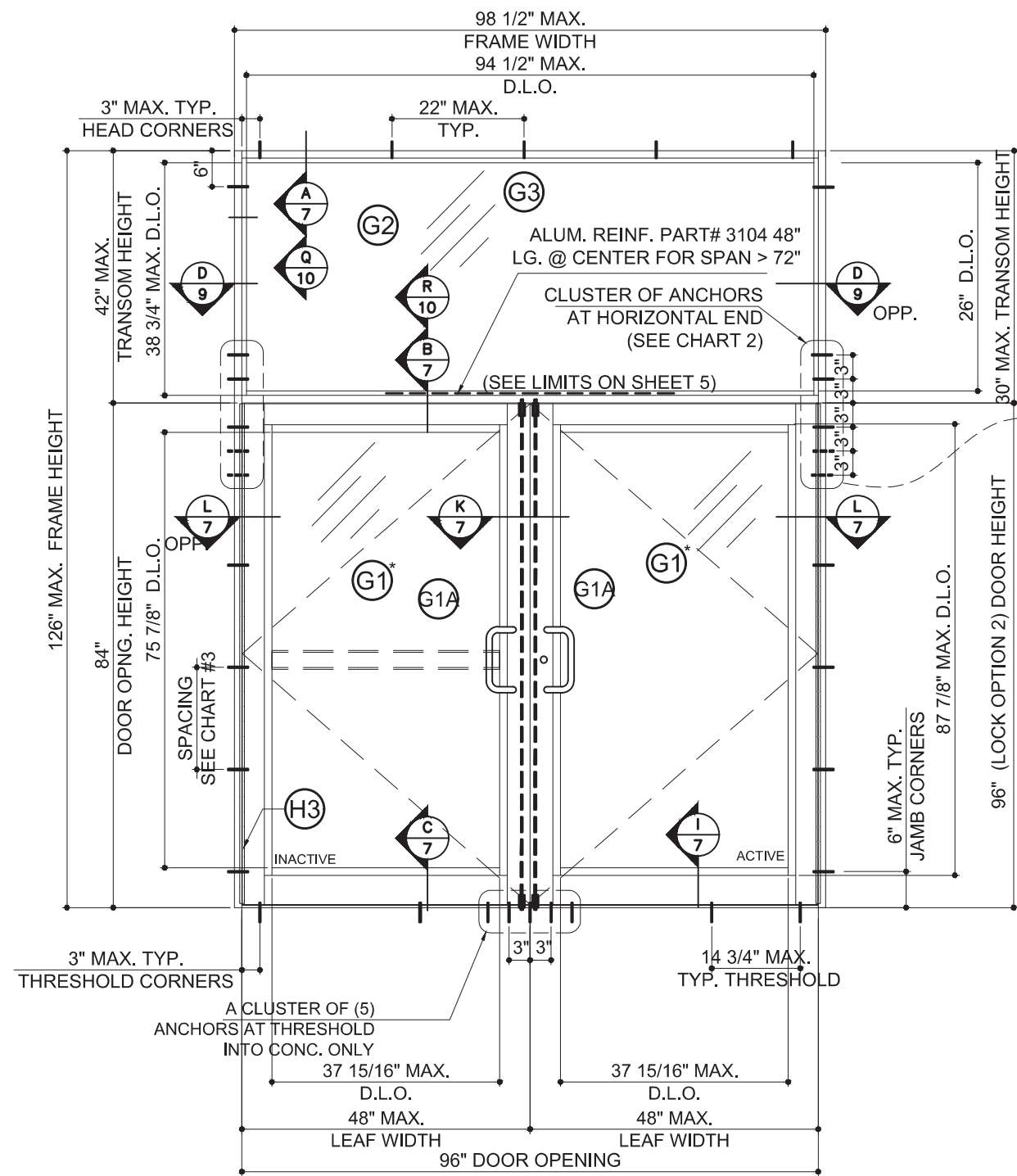
SERIES 351 LARGE MISSILE IMPACT DOOR

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 6TH EDITION (2017) / 7TH EDITION (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED LARGE MISSILE IMPACT. SHUTTERS OR EXTERNAL PROTECTION DEVICES IS NOT REQUIRED.
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-16, MULTIPLY BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THE DOCUMENT.
- FOR WATER INFILTRATION RATINGS, SEE LIMITATION ON SHEET 4 & 5.
- 1X OR 2X WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE, TO BE REVIEWED BY BUILDING OFFICIAL.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2017 6TH /2020 7TH EDITION FLORIDA BUILDING CODE SECTION AS APPLICABLE.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- LIMITATION: WHEN DOORS OR DOOR WITH TRANSOM ARE MULLED TO STOREFRONT (UNDER SEPARATE APPROVAL) LOWER DESIGN PRESSURE FROM DOOR, DOOR WITH TRANSOM OR STOREFRONT SHALL GOVERN IN THE ENTIRE ASSEMBLY.
- WHERE APPLICABLE: EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

NOTE: 351X DOOR FRAME CAN BE USED FOR THIS APPROVAL

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



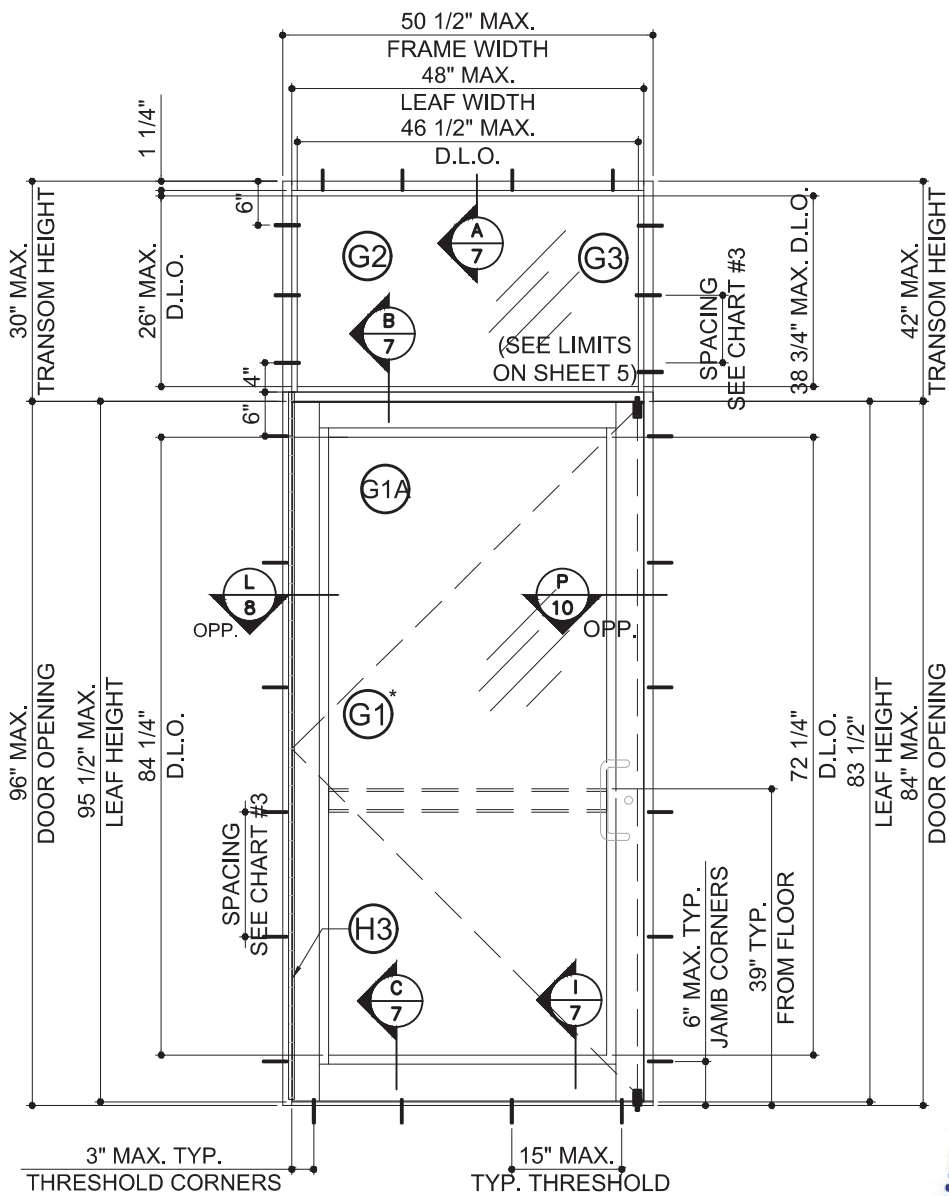
OUTSWING DOOR WITH TRANSOM
TYPICAL EXTERIOR ELEVATION
SEE CHART #4 ON PAGE 5 FOR LOCK OPTIONS

MAX. DESIGN LOAD		
+	70	PSF
-	70	PSF

CHART #2

ANCHOR TYPE	NUMBER OF ANCHORS					
	1/4" SHIM	3/8" SHIM	1/4" SHIM	3/8" SHIM	1/4" SHIM	3/8" SHIM
A	4	5	4	6	5	6
B	5	5	6	6	7	7
C	3	5	3	6	3	7
≤ 72" WIDTH			≤ 84" WIDTH		≤ 96" WIDTH	

NUMBER OF ANCHORS AT TRANSOM END



OUTSWING SINGLE DOOR WITH TRANSOM
ELEVATION

MAX. DESIGN LOAD	
+	70 PSF
-	70 PSF

* Door panel width limit to 36" Max.
when use Glazing type G1.



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p. 800-432-8132

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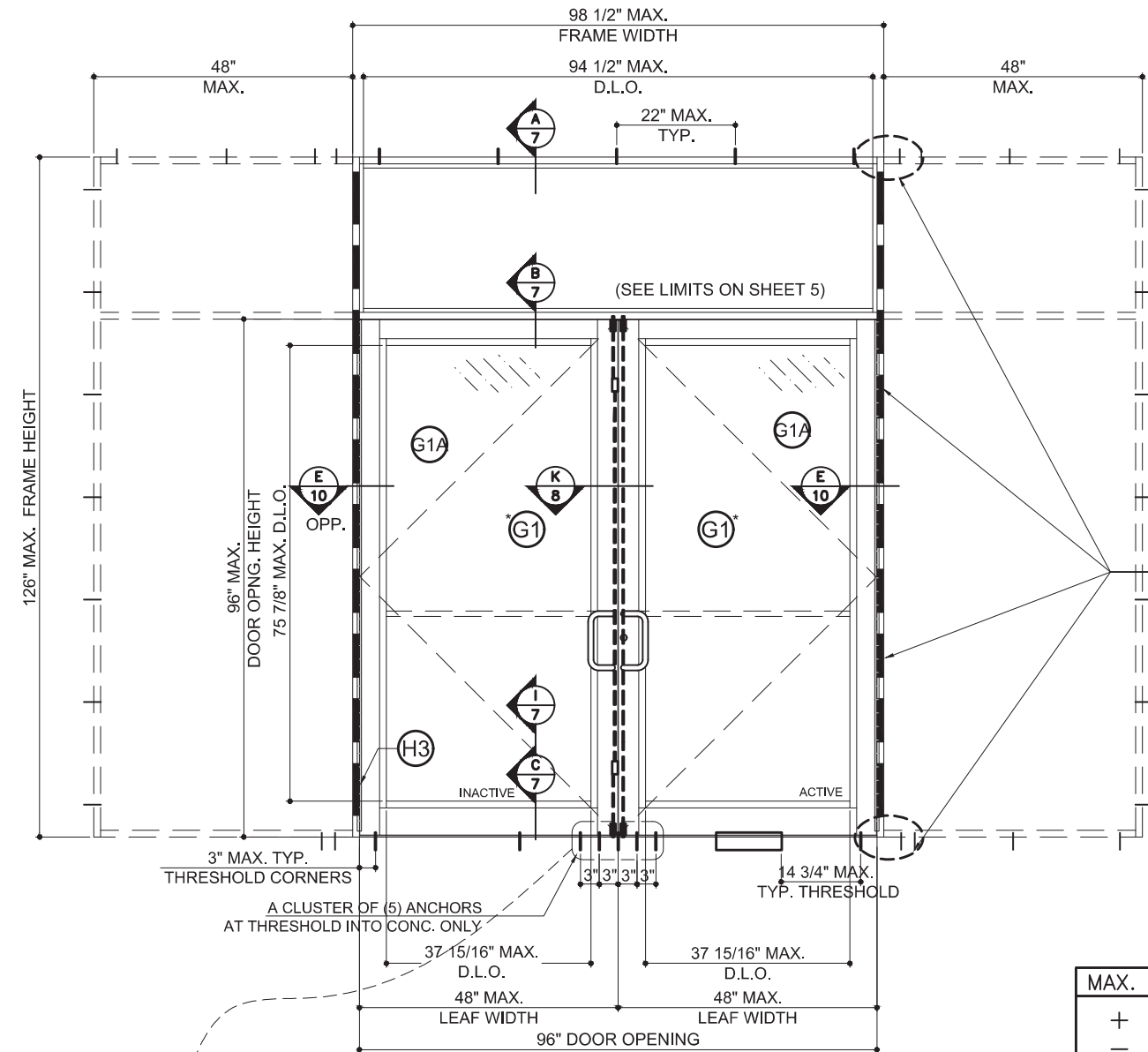
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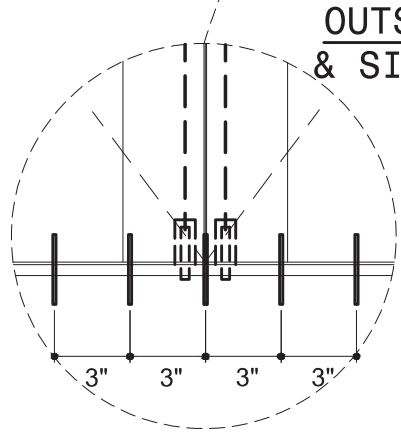
DRAWING No:
2 OF 14



SIDELITE, MULLION REINFORCEMENT AND ANCHORS REFER TO SEPARATE PRODUCT APPROVAL.

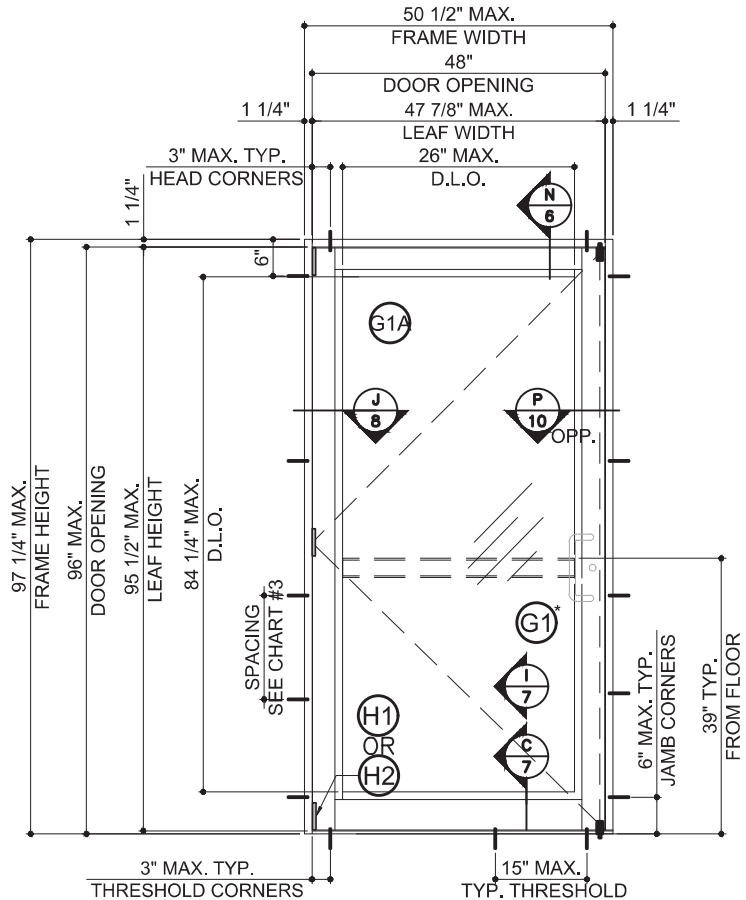
WHEN DOORS OR DOOR WITH TRANSOM ARE MULLED TO STOREFRONT (UNDER SEPARATE APPROVAL) LOWER DESIGN PRESSURE FROM DOOR, DOOR WITH TRANSOM OR STOREFRONT SHALL CONTROL FOR THE ENTIRE ASSEMBLY.

MAX. DESIGN LOAD	
+ 70	PSF
- 70	PSF



OUTSWING DOOR WITH OR W/O TRANSOM & SIDELITES(UNDER SEPARATE APPROVAL)
(SINGLE DOOR ALSO APPLIES)

* Door panel width limit to 36" Max. when use Glazing type G1



OUTSWING SINGLE DOOR ELEVATION

MAX. DESIGN LOAD	
+ 70	PSF
- 70	PSF

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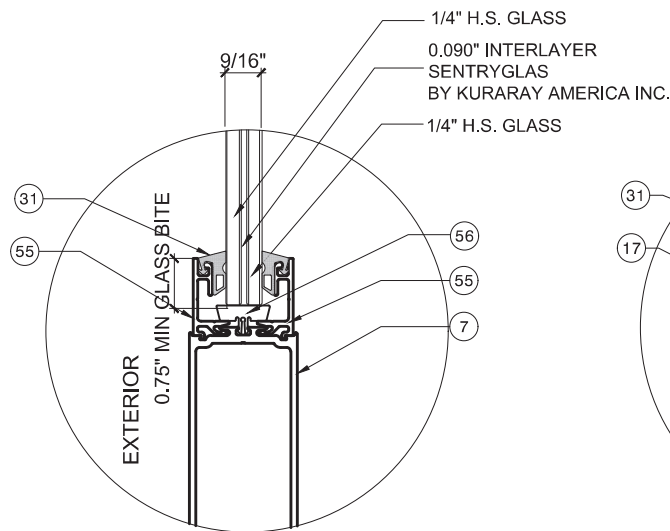
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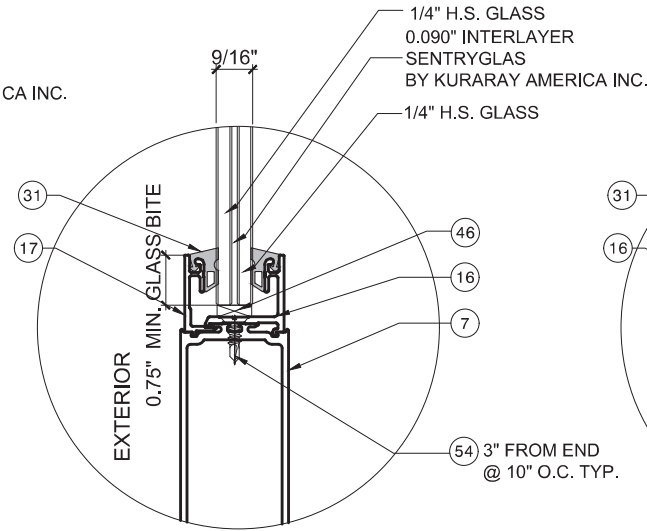
STAMP
YIPING WANG
YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 555983
C.A.N. 28677
STATE OF FLORIDA
PROFESSIONAL ENGINEER

October 20th, 2020
FLORIDA APPROVAL:
FL #18413

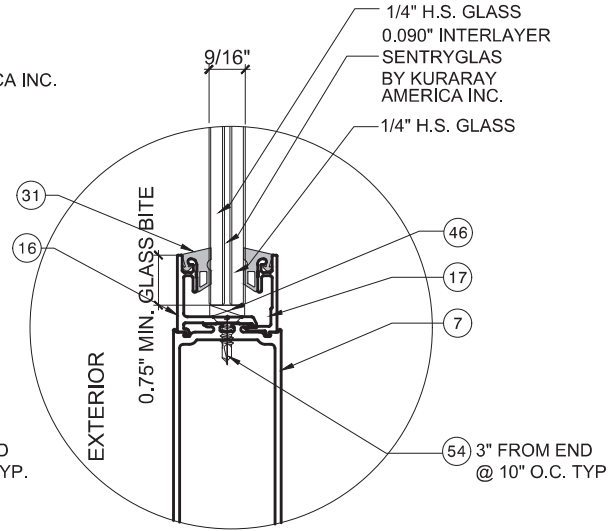
DRAWN: James DATE: 07-07-20 DWG: AD15-23	DRAWING No: 3 OF 14
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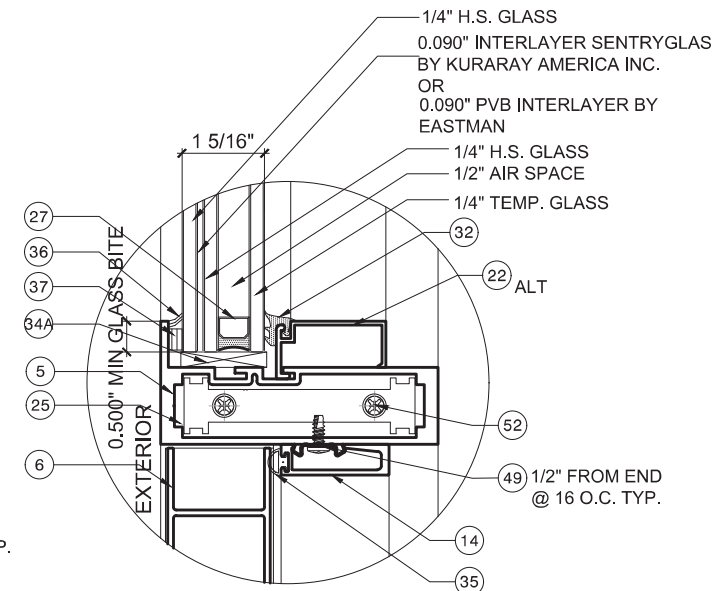
G1 9/16" LAMINATED GLASS GLAZING
DETAIL DOOR LEAF (ACT/INACT)
FOR DOOR PANEL WIDTH UPTO 36"



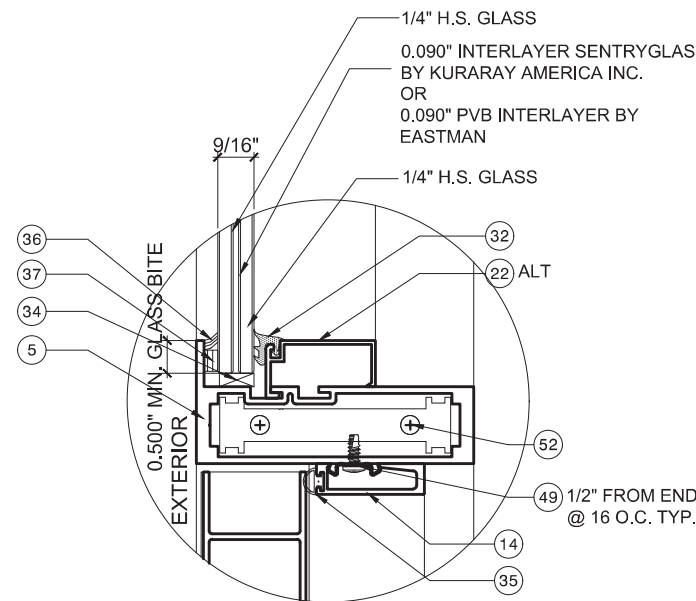
G1A 9/16" LAMINATED GLASS GLAZING
DETAIL DOOR LEAF (ACT/INACT)
FOR DOOR PANEL WIDTH UPTO 48"



G1B 9/16" LAMINATED GLASS GLAZING
DETAIL DOOR LEAF (ACT/INACT)
FOR DOOR PANEL WIDTH UPTO 48"



G2 1 5/16" TOTAL INSULATED LAMINATED GLASS
THICKNESS AT TRANSOM



G3 9/16" TOTAL LAMINATED GLASS
THICKNESS AT TRANSOM

NOTE:
GLAZING COMPLIES WITH ASTM E1300-09.

27 SPACER:
1/2" AIR SPACE WITH AN
ALUMINUM SPACER BY HELIMA
HELVETION INT. / VARIES

PRIMARY SEALANT:
PIB - POLYISOBUTYLENE

SECONDARY SEALANT:
SILICONE SEALANT

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE A:** 1/4" DIA. ULTRACON (Fu=177 ksi Fy=120 ksi)
OR 1/4" DIA. TAPCON (Fu=120 ksi Fy=92 ksi)
- THRU 1BY OR 2BY WOOD BUCKS
1-1/4" MIN. EMBED INTO CONC.@ HEAD/SILL
1-1/4" MIN. EMBED INTO CONC./MASONRY @ JAMB
 - INTO 2X WOOD BUCKS OR WOOD STRUCTURAL
1-1/2" MIN. EMBED @ HEAD AND JAMB

- TYPE B:** 1/4" DIA. ULTRACON (Fu=177 ksi Fy=120 ksi)
OR 1/4" DIA. TAPCON (Fu=120 ksi Fy=92 ksi)
- DIRECTLY INTO CONCRETE
1-1/4" MIN. EMBED @ HEAD/SILL
1-1/4" MIN. EMBED INTO CONC./MASONRY @ JAMB

- TYPE C:** 1/4" TEK OR SELF DRILLING SCREWS(GRADE 5 FU=120ksi FY=92ksi)
- INTO METAL STRUCTURES (HEAD/JAMB)
STEEL : 1/8" MIN. THICKNESS (Fy = 36 ksi MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

MIN. EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2 1/2"
INTO WOOD STRUCTURE = 1 1/2"
INTO METAL STRUCTURE = 1"
CONCRETE f'c = 3000 PSI MIN.
MASONRY C-90 f'c = 2000 PSI MIN.
WOOD SG= 0.55

SEALANTS:

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND
HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH
CLEAR SEALANT.

1X OR 2X WOOD BUCKS AND METAL STRUCTURES BY OTHERS
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEMS
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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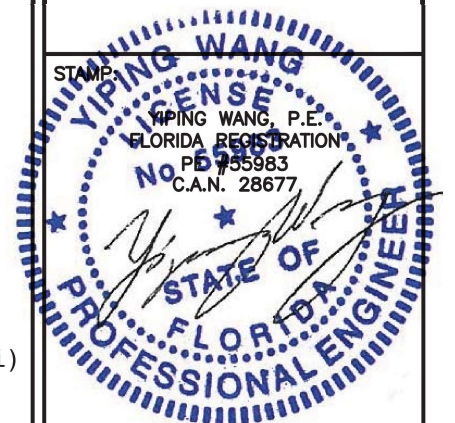
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4 OF 14

LOCKS:

LOCK OPTION 1(ACTIVE/INACTIVE PANEL): AHT 8000 CVR TWO POINT LOCK SYSTEM WITH STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC INTERIOR PANIC DEVICE AND REGENT KEY OPERATOR ON THE EXTERIOR

LOCK OPTION 2(ACTIVE/INACTIVE PANEL): FALCON DOOR-O-MATIC 1690 CVR TWO POINT LOCK SYSTEM WITH STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC PANIC DEVICE ON THE INTERIOR

LOCK OPTION 3(ACTIVE/INACTIVE PANEL): VON DUPRIN 9947 CVR TWO POINT LOCK SYSTEM WITH TOP/BOTTOM STRIKE PLATES AND ACTIVATING SURFACE MOUNT METALLIC PANIC DEVICE ON THE INTERIOR AND SCHLAGE STANDARD KEY OPERATOR ON THE EXTERIOR

LOCK OPTION 4:
INACTIVE PANEL: ADAMS RITE MS1880, MS1881 & ILCO 1880 CONCEALED TWO POINT LOCK SYSTEM WITH VERTICAL ROD AND STRIKE PLATES. THUMB TURN ON THE INTERIOR CAN NOT APPLY TO SINGLE PANEL DOOR
ACTIVE PANEL: ADAMS RITE W/AR4016 OR ILCO 4016 TOP ROD & AR4015 OR ILCO 4015 BOTTOM ROD WITH STRIKE PLATE, CONCEALED THREE POINT LOCK SYSTEM WITH ILCO185 EIGHT PLY HOOK LOCK, KEY OPERATOR ON THE EXTERIOR AND THUMB TURN ON THE INTERIOR

LOCK OPTION 5:
INACTIVE PANEL: REGENT ML-207-TT-2PT TWO POINT LOCK SYSTEM WITH EIGHT PLY HOOK LOCK. THUMB TURN ON THE INTERIOR CAN NOT APPLY TO SINGLE PANEL DOOR
ACTIVE PANEL: REGENT ML-207-012, CONCEALED THREE POINT LOCK SYSTEM WITH EIGHT PLY HOOK LOCK, KEY OPERATOR ON THE EXTERIOR AND THUMB TURN ON THE INTERIOR

DOOR		CONFIG.	LOCK OPTIONS
WIDTH (MAX)	HEIGHT (MAX)		
≤ 96"	≤ 96"	XX	1,2,3,4,5
≤ 48"	≤ 96"	X	1,2,3,4,5 (ACTIVE PANEL)

HINGES: REFER TO DETAILS (H1) (H2) & (H3) ON SHEET 7 OF 11

- HINGE OPTION 1:(32) H1: (3) 4 1/2" BUTT HINGES (26298)
9 1/4" FROM TOP & BOTTOM, CENTERED
- HINGE OPTION 2:(31) H2: OFFSET CAST ALUMINUM PIVOT HINGES
TOP (H160X)
BOTTOM (H160X)
MIDSPAN (2456x)
- HINGE OPTION 3:(33) H3: CONTINUOUS ALUMINUM GEAR (60095)



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M

C

Y

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YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 55983
C.A.N. 28677

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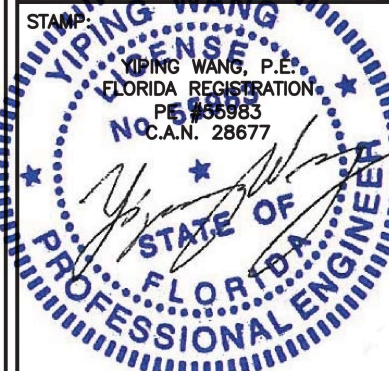
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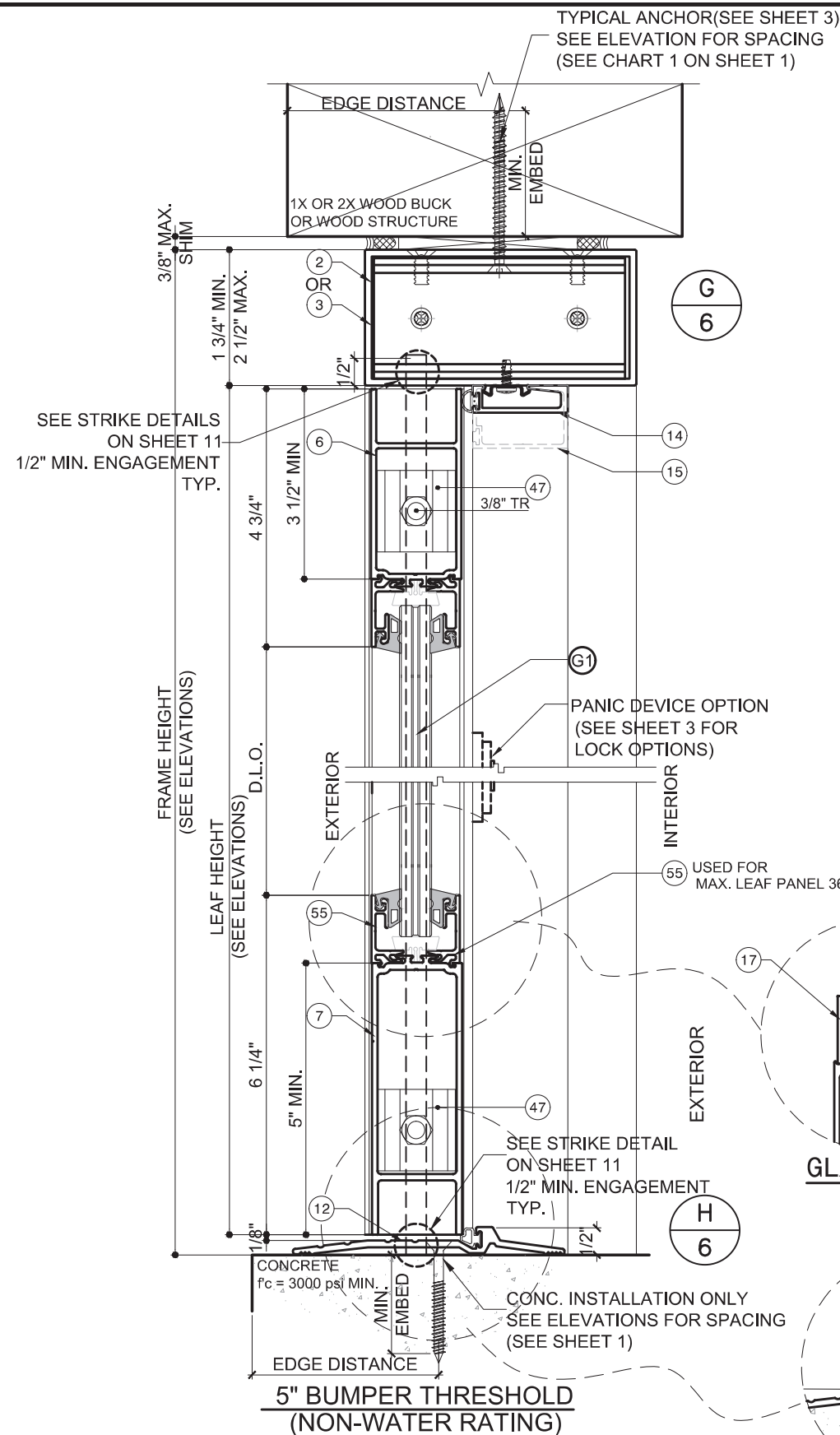
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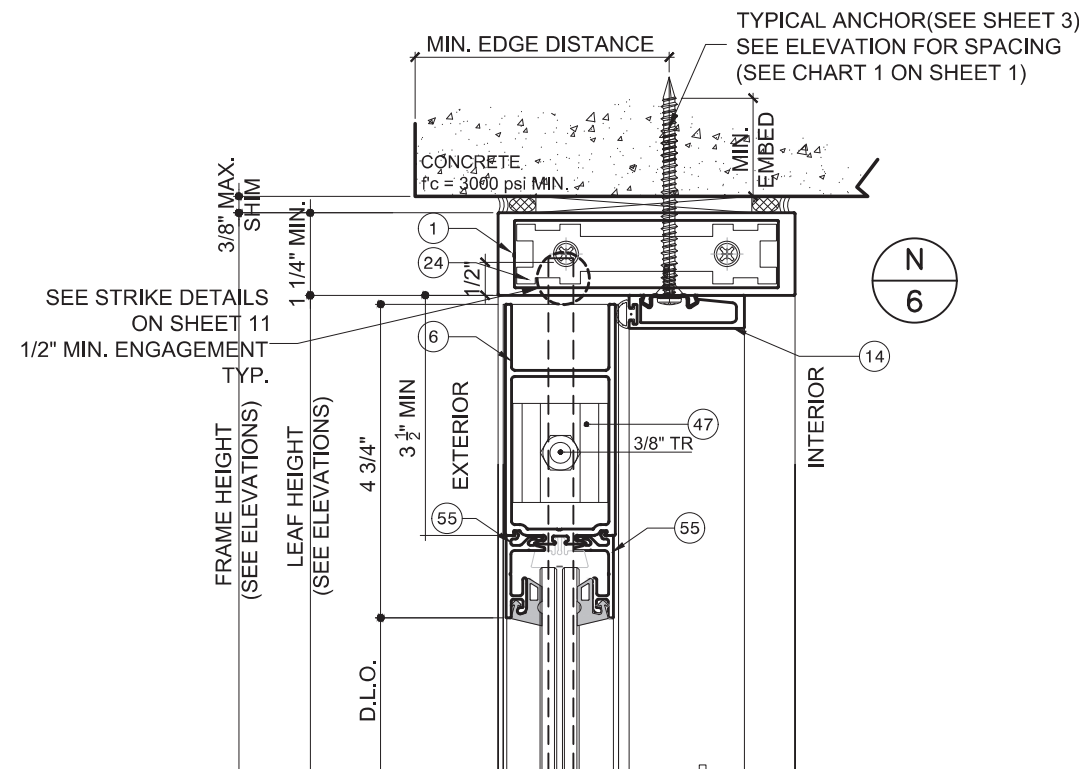
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6 OF 14



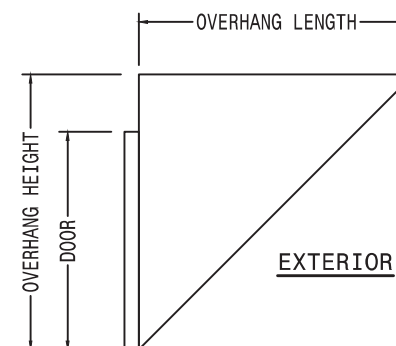
NOTE: ADA COMPLIANT TO BE REVIEWED BY
BUILDING OFFICIAL.

**ULTRAFAB E205 THRESHOLD GASKET
OPTION**

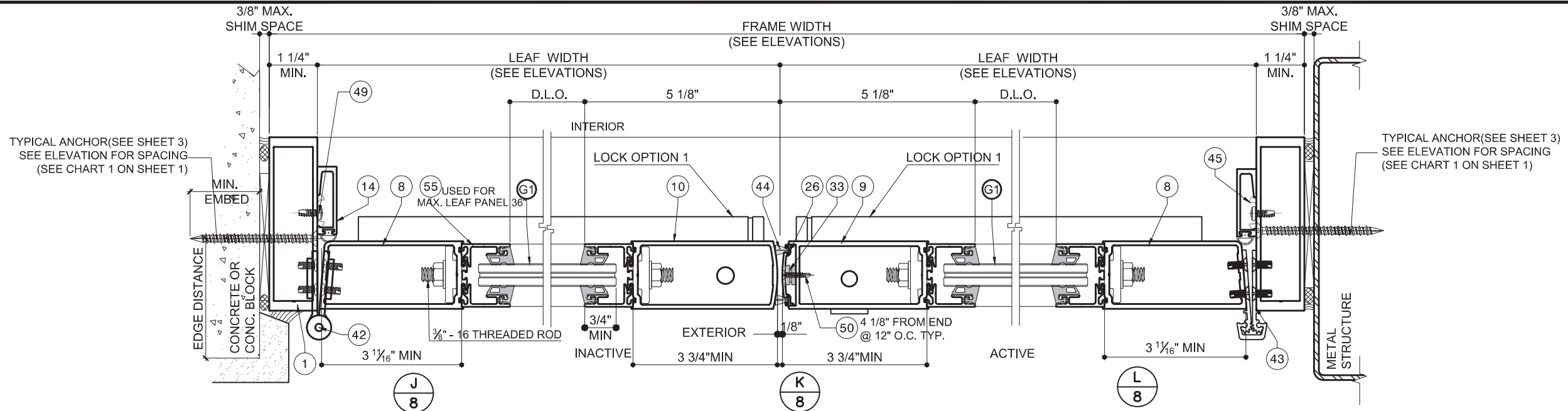


EPDM GASKETS USED IN THIS FENESTRATION PRODUCT
ARE IN COMPLIANCE WITH ASTM STANDARD C864.

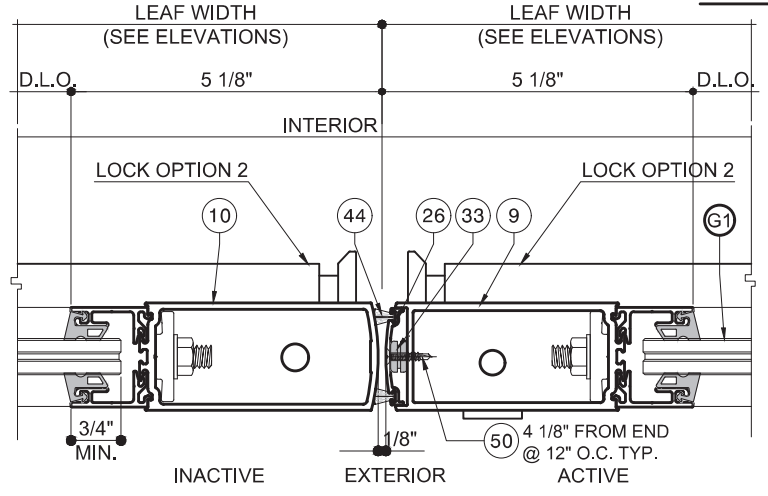
NOTE #1:
UNITS WHERE WATER INFILTRATION IS REQUIRED MUST BE INSTALLED
AT LOCATIONS PROTECTED BY AN OVERHANG MEETING CRITERIA AS
PER ILLUSTRATION BELOW OR IN NON-HABITABLE AREAS WHERE WATER
INFILTRATION IS ACCEPTABLE. IT IS APPLIED TO 4" NON-WATER
RATING SADDLE THRESHOLD (DETAIL C/7) AND 4" (DETAIL I/7) OR
5" (DETAIL H/6) BUMPER THRESHOLD.



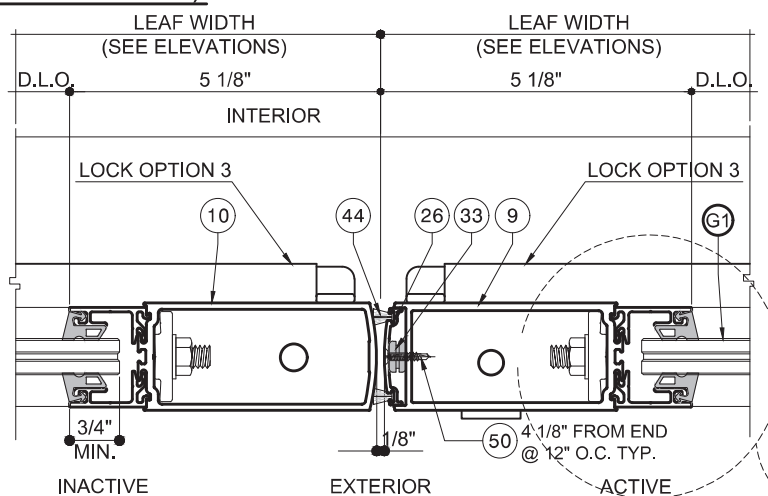
$$OH \text{ RATIO} = \frac{\text{OVERHANG LENGTH}}{\text{OVERHANG HEIGHT}} \geq 1$$



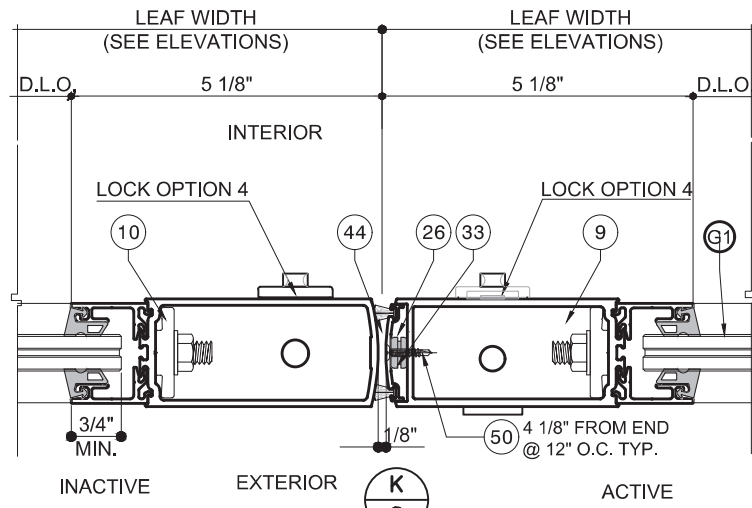
LOCK OPTION 1 (SEE SHEET 3)



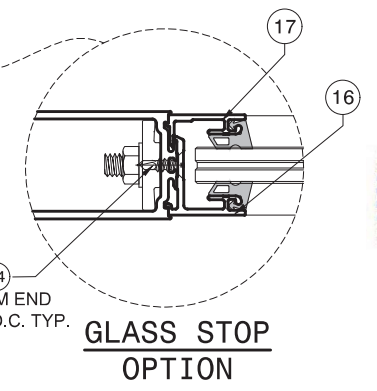
LOCK OPTION 2 (SEE SHEET 3)



LOCK OPTION 3 (SEE SHEET 3)



LOCK OPTION 4 & 5



NOTE:
 1- DOOR OR DOOR WITH TRANSOM IS QUALIFIED FOR INSTALLATION INTO APPROVED STOREFRONT(SEE SHEET 2 AND DETAIL E/8).
 2- REINFORCED STOREFRONT AND END ANCHORS REFER TO SEPARATE PRODUCT APPROVAL, TO BE REVIEWED BY BUILDING OFFICIAL.

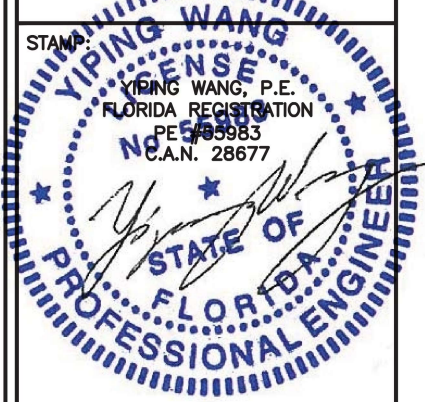
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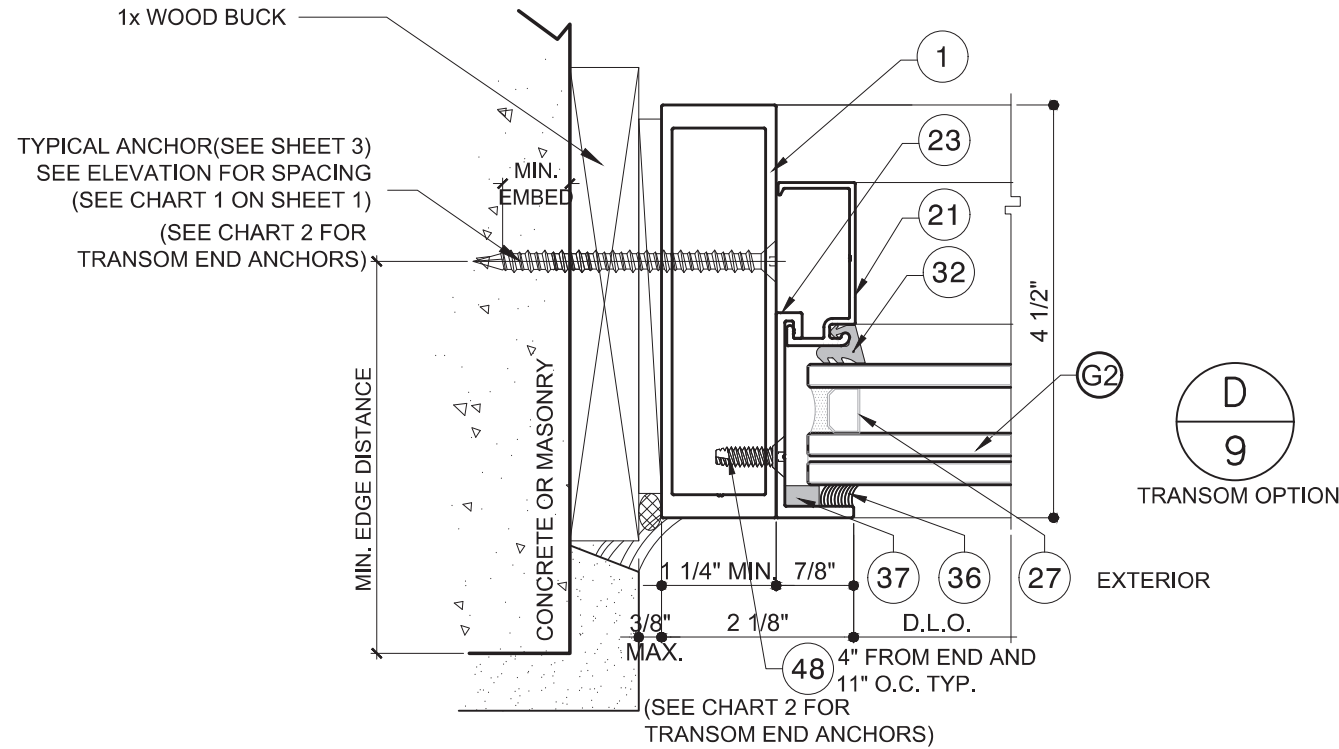
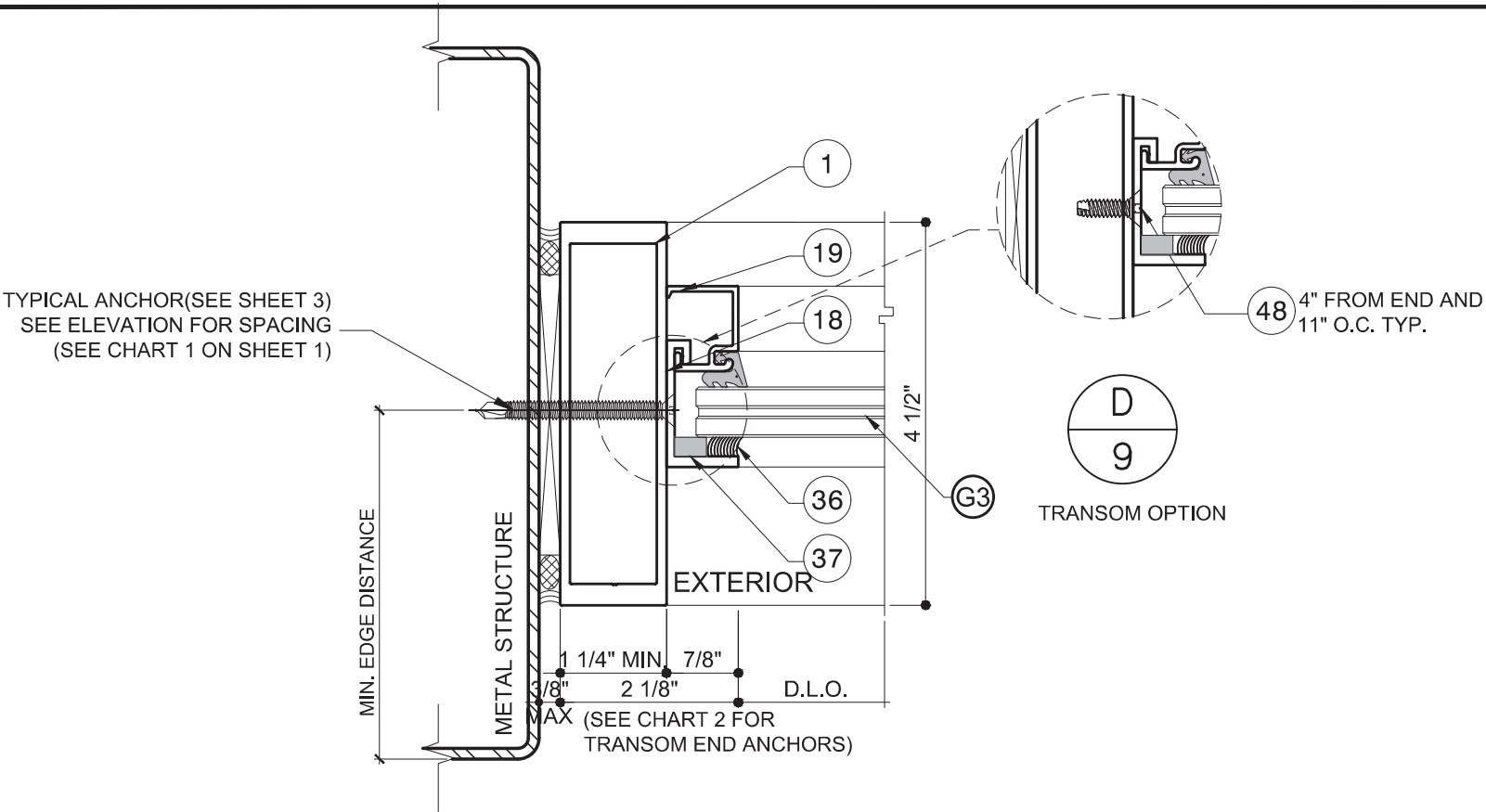
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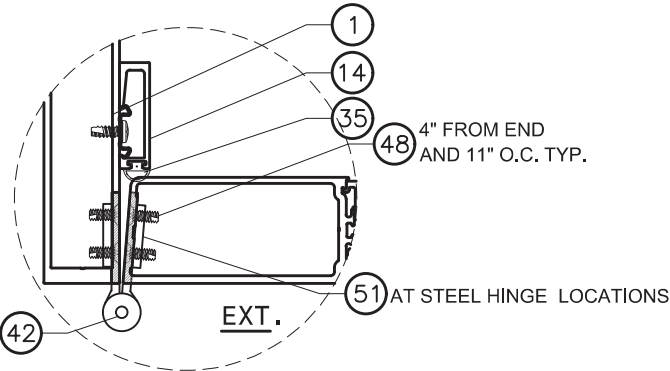
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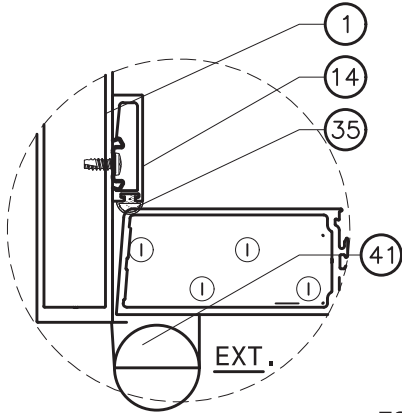


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NOTE: HINGES SHOWN ARE IMAGE ONLY.

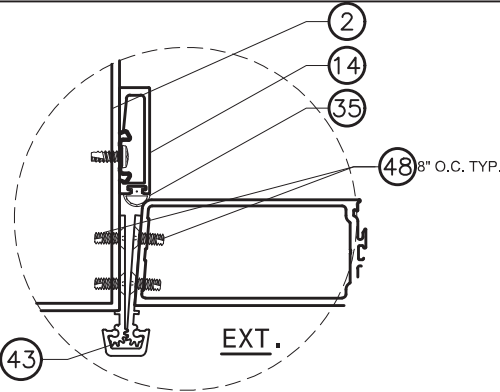


H1 HINGE OPTION 1: (26298)
4-1/2" STEEL BUTT HINGE
(SEE ELEVATION FOR LOCATION)



H2 HINGE OPTION 2:
OFFSET PIVOT HINGE
(SEE ELEVATION FOR LOCATION)

TOP (H160X)
BOTTOM (H160X)
MIDSPAN (2456x)



H3 HINGE OPTION 3: (6009X)
CONCEALED ALUM. CONTINUOUS
GEARED HINGE
(SEE ELEVATION FOR LOCATION)

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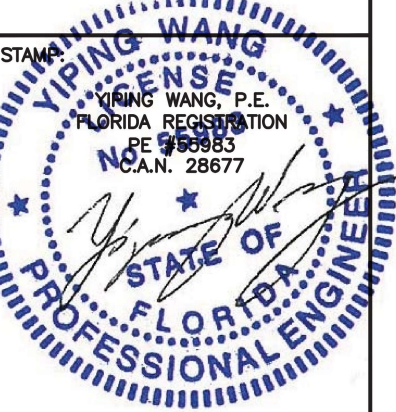
403 WESTPARK COURT, SUITE 201
PEACHTREE CITY, GA 30269
p. 800-432-8132

PRODUCT:
**351 SERIES
ALUM OUTSWING
DRY-GLAZED
DOORS**
W/ OR W/O TRANSOM
(LARGE MISSILE IMPACT)

REV#	DATE/REMARKS
REV 01	02/04/19 UPDATE
REV 02	07/07/20 UPDATE TO FBC2020

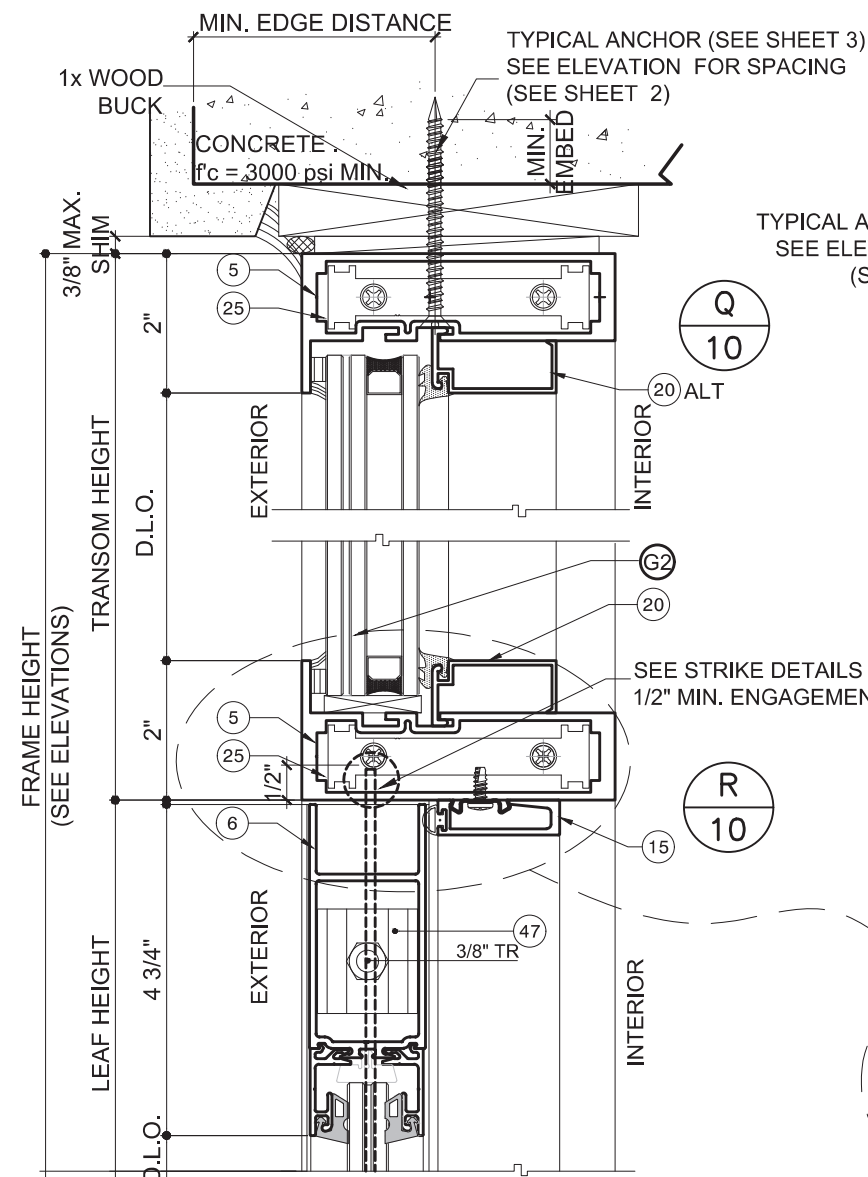
ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT
12871 Miramar Pkwy Ste. 301
Miramar, FL 33027
P: 305-271-0117
Email: www.MCYEngineering.com
mcy@mcyengineering.com

STAMP:

October 20th, 2020

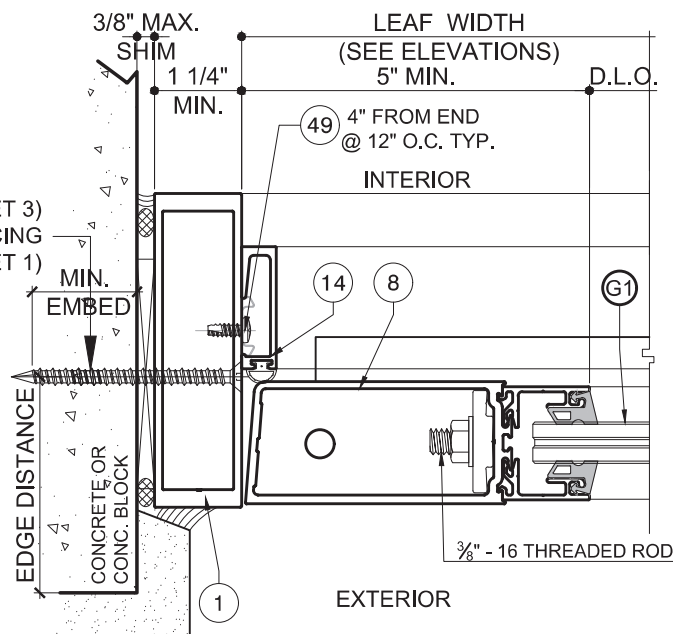
FLORIDA APPROVAL:
FL #18413

DRAWN: James	DRAWING No:
DATE: 07-07-20	9 OF 14
DWG: AD15-23	

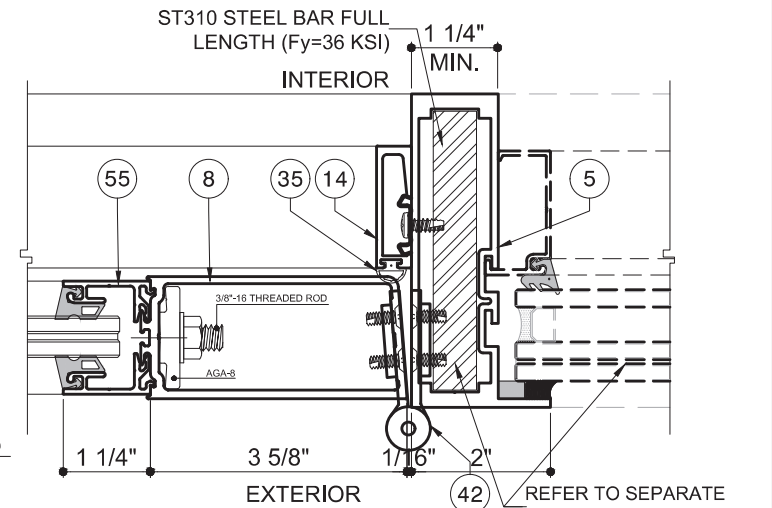


TYPICAL ANCHOR (SEE SHEET 3)
SEE ELEVATION FOR SPACING
(SEE CHART 1, SHEET 1)

Q
10



P
10



E
10

REINFORCED DOOR JAMB WITH
SIDELITE (UNDER SEPARATE APPROVAL)

REFER TO SEPARATE
PRODUCT APPROVAL FOR
STOREFRONT SYSTEM

FRAME HEIGHT
(SEE ELEVATIONS)

TRANSOM HEIGHT

LEAF HEIGHT

D.L.O.

D.L.O.

EXTERIOR

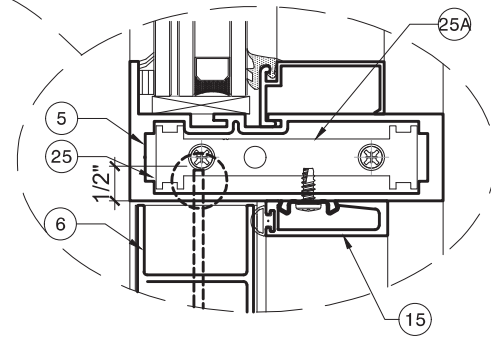
EXTERIOR

INTERIOR

INTERIOR

SEE STRIKE DETAILS ON SHEET 11
1/2\"/>

R
10



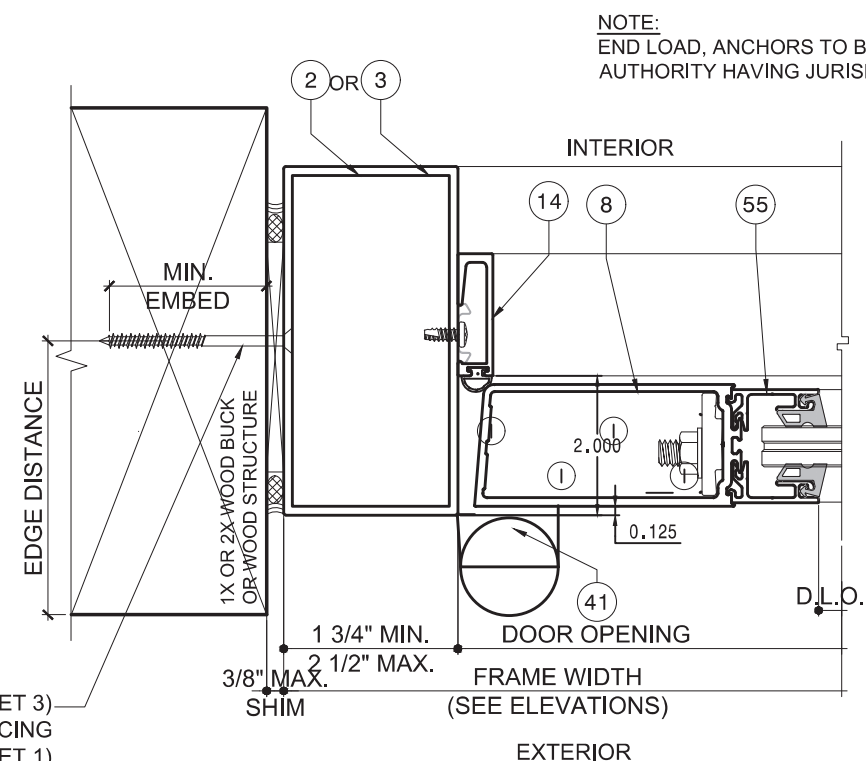
TRANSOM OPTION W/
3104C SHEAR BLOCK

NOTE:
1- DOOR OR DOOR WITH TRANSOM IS QUALIFIED FOR INSTALLATION INTO APPROVED
STOREFRONT(SEE SHEET 3 AND DETAIL E/10).
2- REINFORCED STOREFRONT AND END ANCHORS REFER TO SEPARATE PRODUCT
APPROVAL, TO BE REVIEWED BY BUILDING OFFICIAL.

TYPICAL ANCHOR(SEE SHEET 3)
SEE ELEVATION FOR SPACING
(SEE CHART 1, SHEET 1)

M
10

APPLICABLE TO SINGLE
AND DOUBLE DOORS



NOTE:
END LOAD, ANCHORS TO BE REVIEWED BY
AUTHORITY HAVING JURISDICTION

EXTERIOR

INTERIOR

DOOR OPENING

FRAME WIDTH
(SEE ELEVATIONS)

D.L.O.

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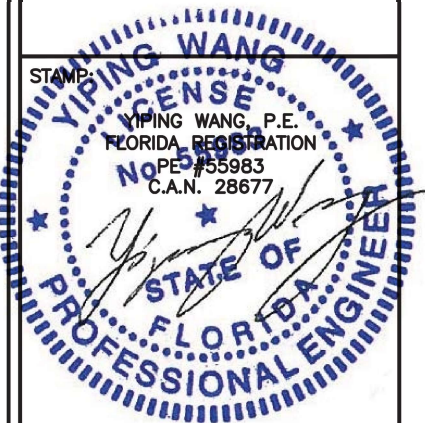
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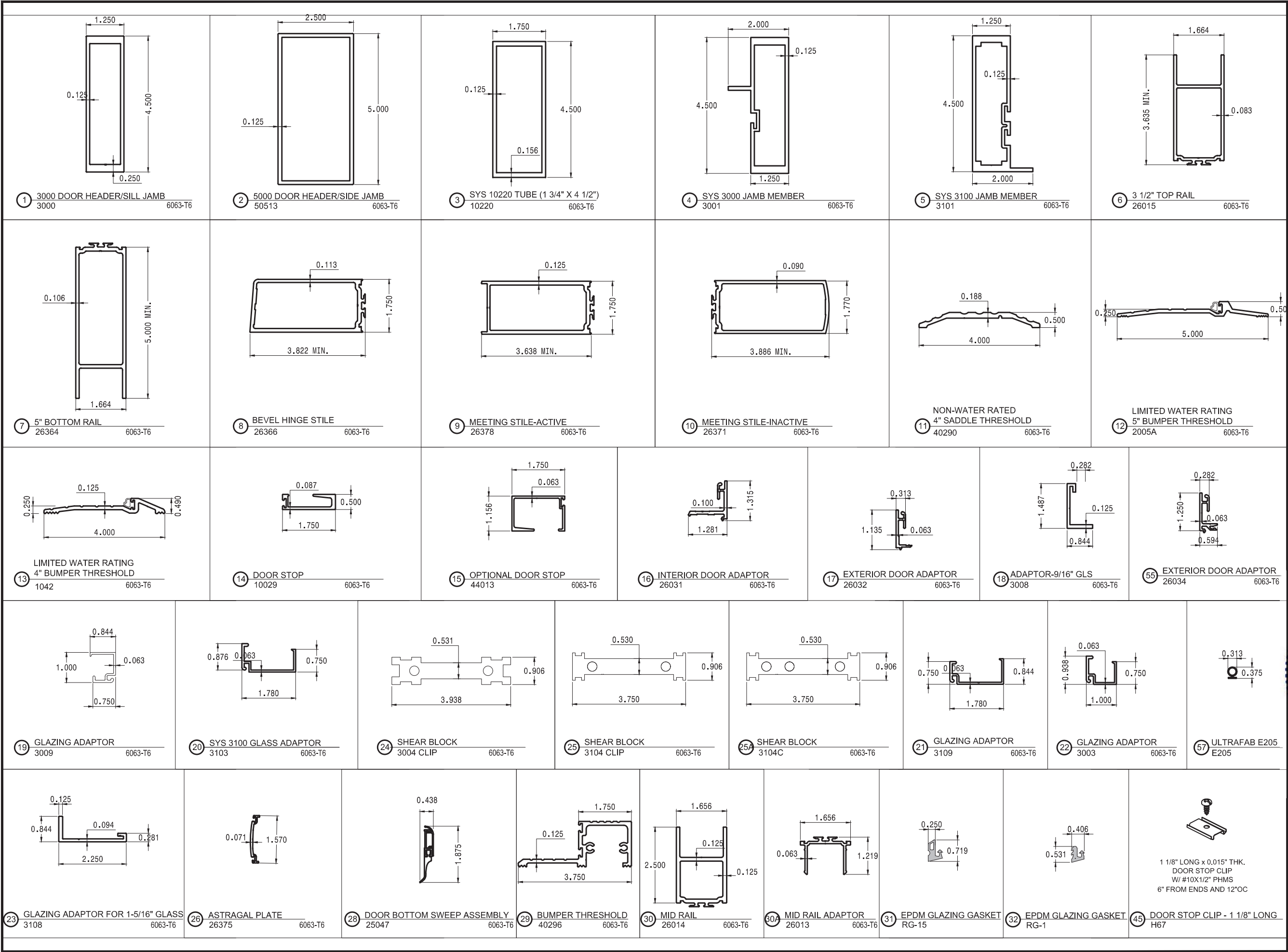
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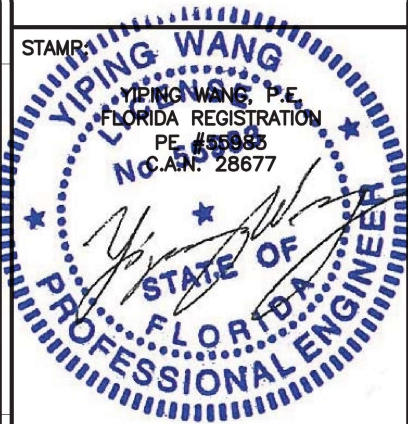
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BILL OF MATERIALS					
ITEM #	PART #		DESCRIPTION	MATERIAL	SUPPLIER/MANUF.
1	3000		3000 DOOR HEADER/SILL JAMB	ALUM. 6063-T6	BONNELL
2	50513		5000 DOOR HEADER/SIDE JAMB	ALUM. 6063-T6	BONNELL
3	10220		SYS 10220 1-3/4" X 4 1/2" TUBE	ALUM. 6063-T6	BONNELL
4	3001		3000 TRANSOM BAR/TRANSOM HEADER/JAMB	ALUM. 6063-T6	BONNELL
5	3101		3100 TRANSOM BAR/TRANSOM HEADER/JAMB	ALUM. 6063-T6	BONNELL
6	26015		3 1/2" TOP RAIL	ALUM. 6063-T6	BONNELL
7	26364		5" BOTTOM RAIL	ALUM. 6063-T6	BONNELL
8	26366		BEVEL HINGE STILE	ALUM. 6063-T6	BONNELL
9	26378		MEETING STILE-ACTIVE	ALUM. 6063-T6	BONNELL
10	26371		MEETING STILE-INACTIVE	ALUM. 6063-T6	BONNELL
11	40290		4"SADDLE THRESHOLD	ALUM. 6063-T6	BONNELL
12	2005A		5"BUMPER THRESHOLD	ALUM. 6063-T6	PEMCO
13	1042		4"BUMPER THRESHOLD	ALUM. 6063-T6	BONNELL
14	10029		DOOR STOP	ALUM. 6063-T6	BONNELL
15	44013		OPTIONAL DOOR STOP	ALUM. 6063-T6	BONNELL
16	26031		INTERIOR DOOR ADAPTOR	ALUM. 6063-T6	BONNELL
17	26032		EXTERIOR DOOR ADAPTOR	ALUM. 6063-T6	BONNELL
18	3008		GLAZING ADAPTOR-9/16"	ALUM. 6063-T6	BONNELL
19	3009		GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
20	3103		SYS 3100 GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
21	3109		TRANSOM GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
22	3003		GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
23	3108		TRANSOM GLAZING ADAPTOR FOR 1-5/16" GLASS	ALUM. 6063-T6	BONNELL
24	3004 CLIP		SHEAR BLOCK	ALUM. 6063-T6	BONNELL
25	3104 CLIP		SHEAR BLOCK	ALUM. 6063-T6	BONNELL
25A	3104C		SHEAR BLOCK	ALUM. 6063-T6	BONNELL
26	26375		ASTRAGAL PLATE	ALUM. 6063-T6	BONNELL
27	1122		INSULATED ALUMINUM SPACER	ALUMINUM	HELIMA HELVETION INT./ VARIES
28	25047		DOOR BOTTOM SWEEP ASSEMBLY	ALUM / RUBBER	HAGER
29	40296		1 1/2" x 3 3/4" BUMPER THRESHOLD	ALUM. 6063-T6	BONNELL
30	26014		MID RAIL	ALUM. 6063-T6	BONNELL
30A	26013		MID RAIL ADAPTOR	ALUM. 6063-T6	BONNELL
31	RG15		EPDM GLAZING GASKET	EPDM (DUROMETER 70 SHORE A)	TREMCO/GRP
32	RG1		EPDM GLAZING GASKET	EPDM (DUROMETER 70 SHORE A)	TREMCO/GRP
33	23301		RUBBER GROMMET AT ASTRAGAL	NITRILE	RUBBER GROMMET
34	H62D		1/2"x 1/4" SETTING BLOCK	EPDM (DUROMETER 85 +/-5 SHORE A)	TREMCO/GRP
34A	H62F		1 3/8"x 1/4" SETTING BLOCK	EPDM (DUROMETER 85 +/-5 SHORE A)	TREMCO/GRP
35	RG5		DOOR STOP GASKET	EPDM (DUROMETER 65 SHORE A)	TREMCO/GRP
36	DOWSIL995		DC995 SILICONE	SILICONE	DOWSIL
37	V2108		1/4"X3/8" GLAZING TAPE	FOAM	ST. GOBAIN
41	H160X SET	(TOP)	OFFSET PIVOT HINGE	ALUM. 6063-T6	GLOBAL DOOR
		(BOTTOM)		ALUM. 6063-T6	GLOBAL DOOR
	2456X MIDSPAN			ALUM. 6063-T6	GLOBAL DOOR
42	26298		4-1/2" STEEL BUTT HINGE 1/8" THK.	STEEL	HAGER COMPANIES/IMPERIAL USA (GLOBAL DOOR)



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M

C

Y

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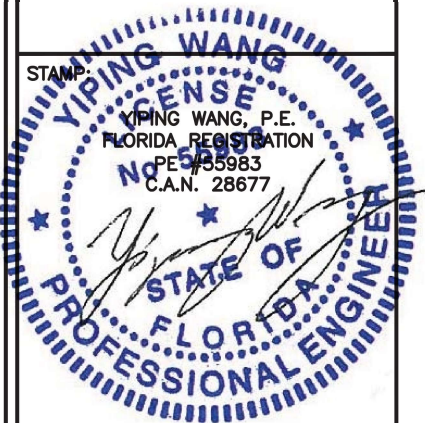
YIPING WANG

YIPING WANG, P.E.

FLORIDA REGISTRATION

PE 155983

C.A.N. 28677



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DWG: AD15-23	

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43	6009X	ALUM CONTINUOUS GEARED HINGE 0.094" THK.	ALUM. 6063-T6	HAGER COMPANIES
44	24110	BRUSH PILE AT DOOR MEETING STILE	YARN	AMESBURY GROUP
45	23501	DOOR STOP CLIP-1 1/8" LG, 6" ON ENDS, 12" O.C.	STEEL	EVANS MANUFACTURING
46	SPACER2	PVC SETTING BLOCK FOR 9/16" GLASS	PVC PLASTIC	M & M PLASTIC
47	2620301	BACKING PLATE	ALUM. 6063-T6	BONNELL
48	23163	#12-24" x 3/4" PFH-23	ZINC COATED STEEL	ALLOY FASTENER
49	23897	#10-24" x 1/4" PFH	ZINC COATED STEEL	VARIES
50	23302	#6 x 3/4" UC-PFH TEK	ZINC COATED STEEL	VARIES
51	26139	HINGE BACKING PLATE	STEEL	EVANS
52	23233	1/4-20 X 1-1/2" PFH	ZINC COATED STEEL	ALLOY FASTENER
53	23089	#10-24" x 5/10" PFH	ZINC COATED STEEL	ALLOY FASTENER
54	23079	#10-24" x 3/14" PFH	STEEL	ALLOY FASTENER
55	26034	DOOR ADAPTOR USED FOR DOOR LEAF WIDTH UPTO 36"	ALUM. 6063-T6	BONNELL
56	SPACER3	DOOR SETTING BLOCK	PVC PLASTIC EXTRUSION	M&M PLASTICS
57	ULTRAFAB E205	BUMPER THRESHOLD GASKET	THERMOPLASTIC ELASTOMERS(TPE)	ULTRAFAB
58	H74	BUMPER THRESHOLD GASKET	THERMOPLASTIC ELASTOMERS(TPE)	TREMCO/GRP



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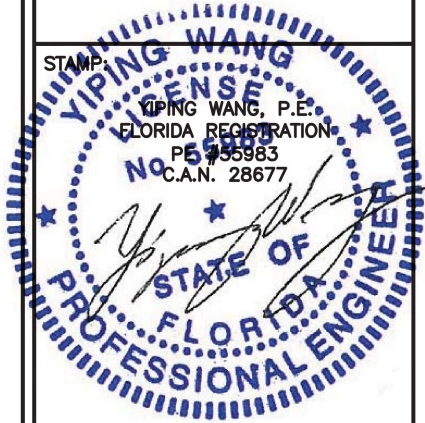
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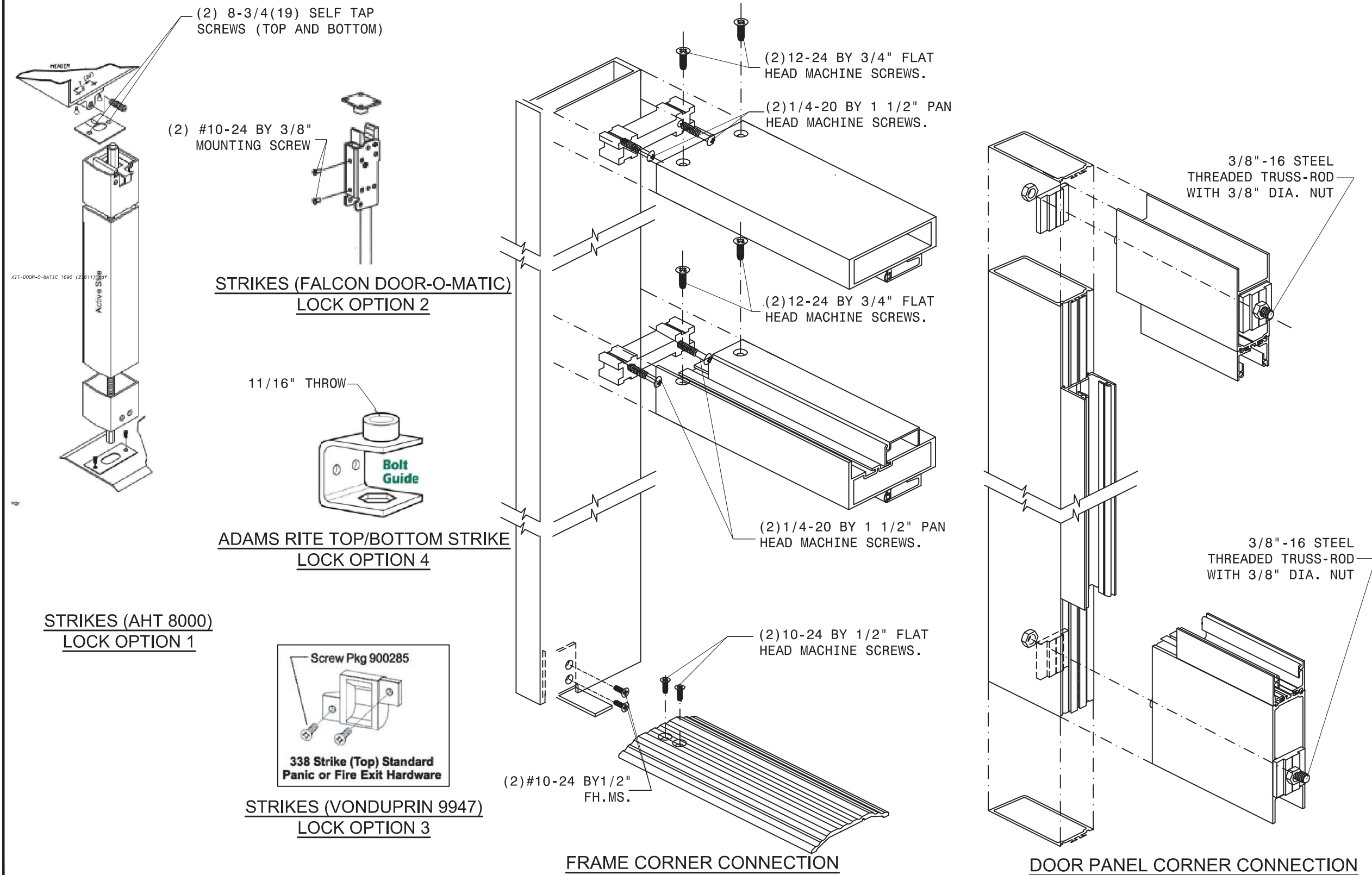
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13 OF 14



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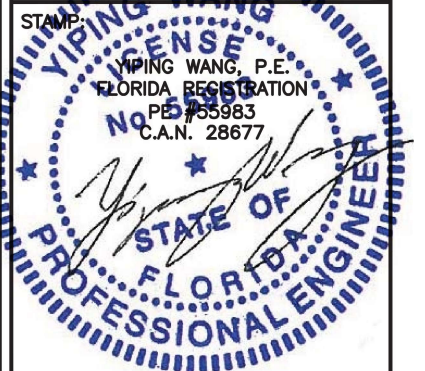
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