

YKK AP America Inc.

YSD 700 H SLIDING GLASS DOOR

(MONOLITHIC GLASS)

(HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT. DOCUMENTS SHALL BE APPROVED BY AUTHORITY HAVING JURSDICTION (AHJ)
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. GLASS MEETS THE REQUIREMENTS OF ASTM E1300. SEE GLAZING DETAILS ON SHEET 4.
7. DOOR FRAME MATERIAL: ALUMINUM 6063-T5
8. ALL STRUCTURAL MATERIALS & DISSIMILIAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.

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C & D	SEE SHEET 9 & 10	S.M.I.



YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YSD 700 H
SLIDING GLASS DOOR
(HVHZ) (IMPACT)
GENERAL NOTES &
TABLE OF CONTENTS

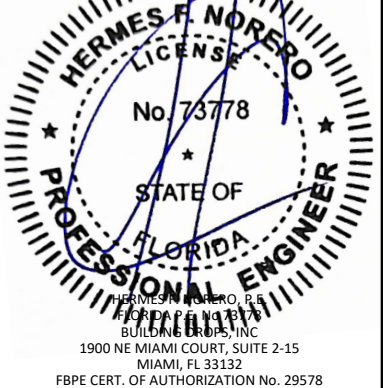
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
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WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.06.06 16:03:17 -0400



FL #:
FL8753

DATE:
06.06.15

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MSS

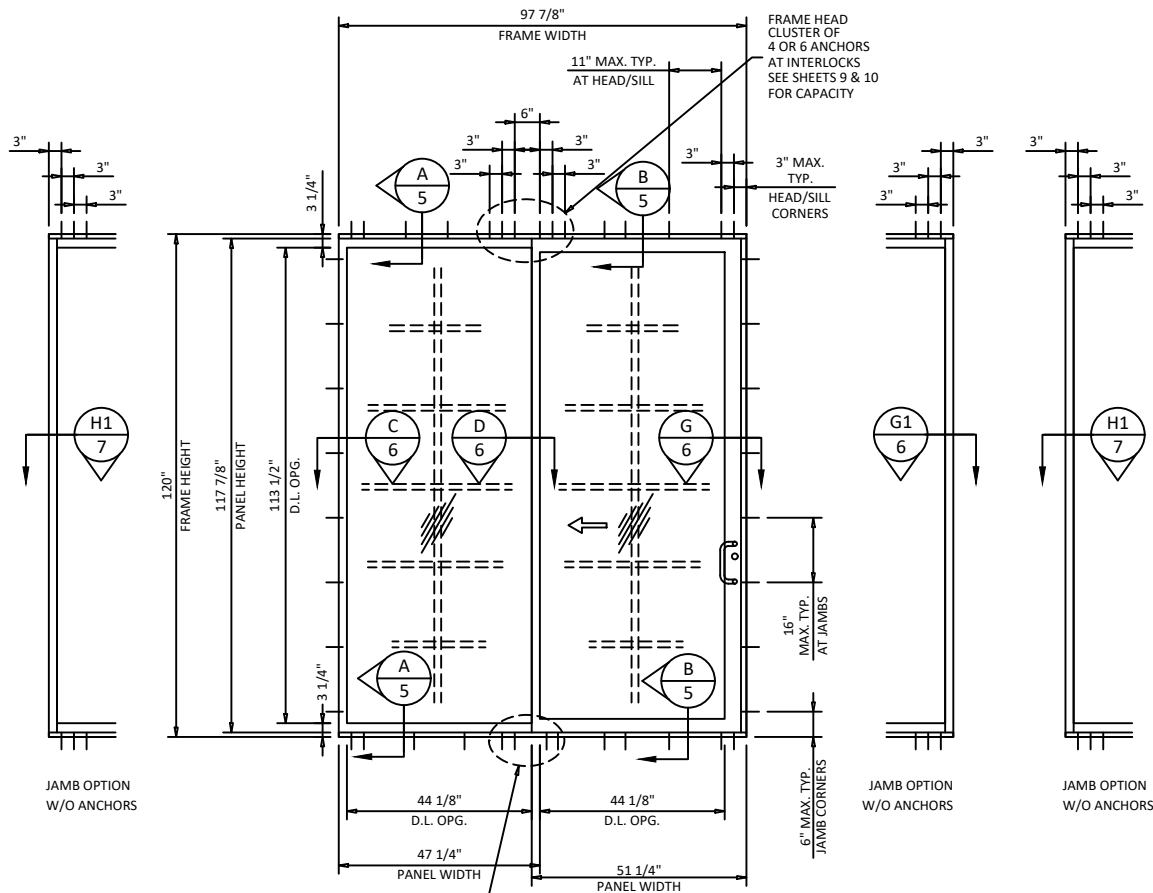
CHK. BY:
HFN

SCALE:
NTS

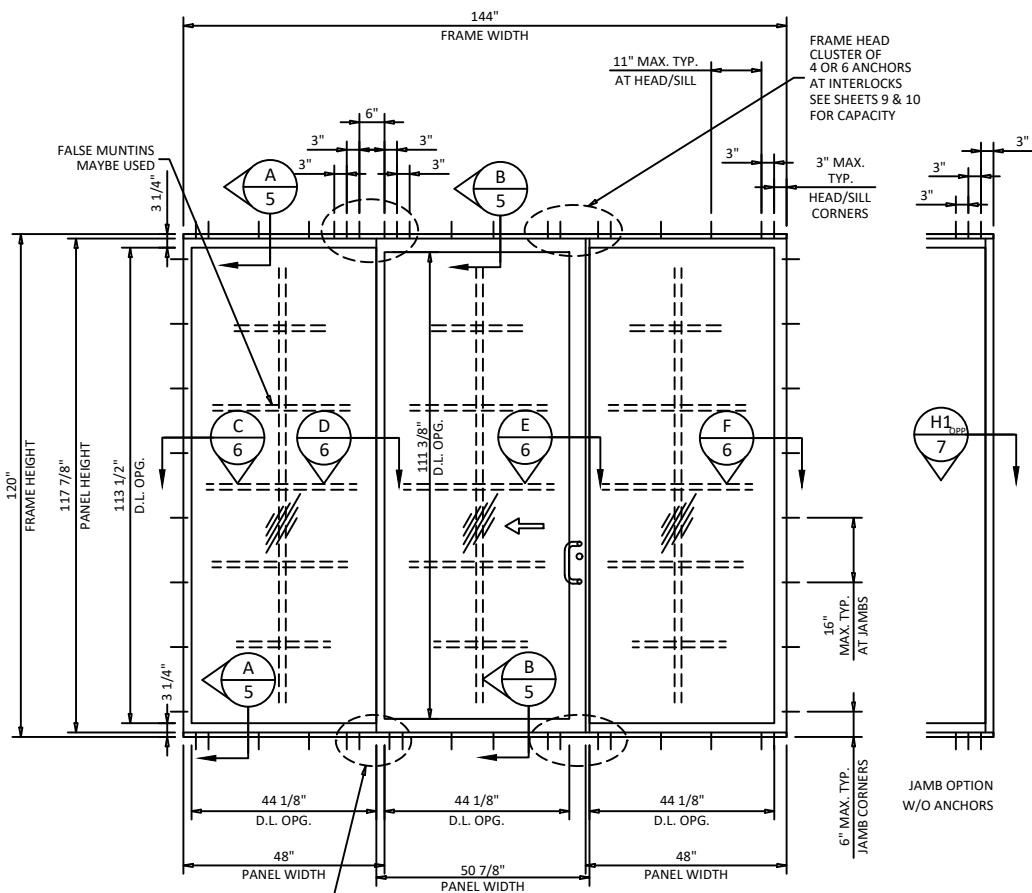
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YKK238

SHEET:
1
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TYPICAL ELEVATIONS
FOR OX/XO



TYPICAL ELEVATIONS
FOR OXO

YSD 700 H ALUMINUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR THESE DOOR TO BE AS PER CHARTS
SHOWN ON SHEETS 4, 9 AND 10.

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 ON THESE DETAILS ARE
NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS 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 MATERIAL SHALL MEET THE
REQUIREMENTS OF THE CURRENT EDITION FLORIDA BUILDING CODE.

LAMINATED GLASS
IMPACT

FOR LARGE MISSILE IMPACT, SHUTTERS ARE NOT REQUIRED.
FOR SMALL MISSILE IMPACT, APPROVED IMPACT RESISTANT PROTECTION DEVICE ARE
REQUIRED FOR INSTALLATIONS UP TO 30 FT. ABOVE GRADE. IMPACT PROTECTION IS
NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT. ABOVE GRADE.



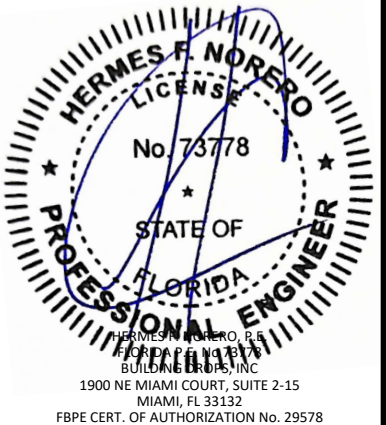
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ELEVATIONS

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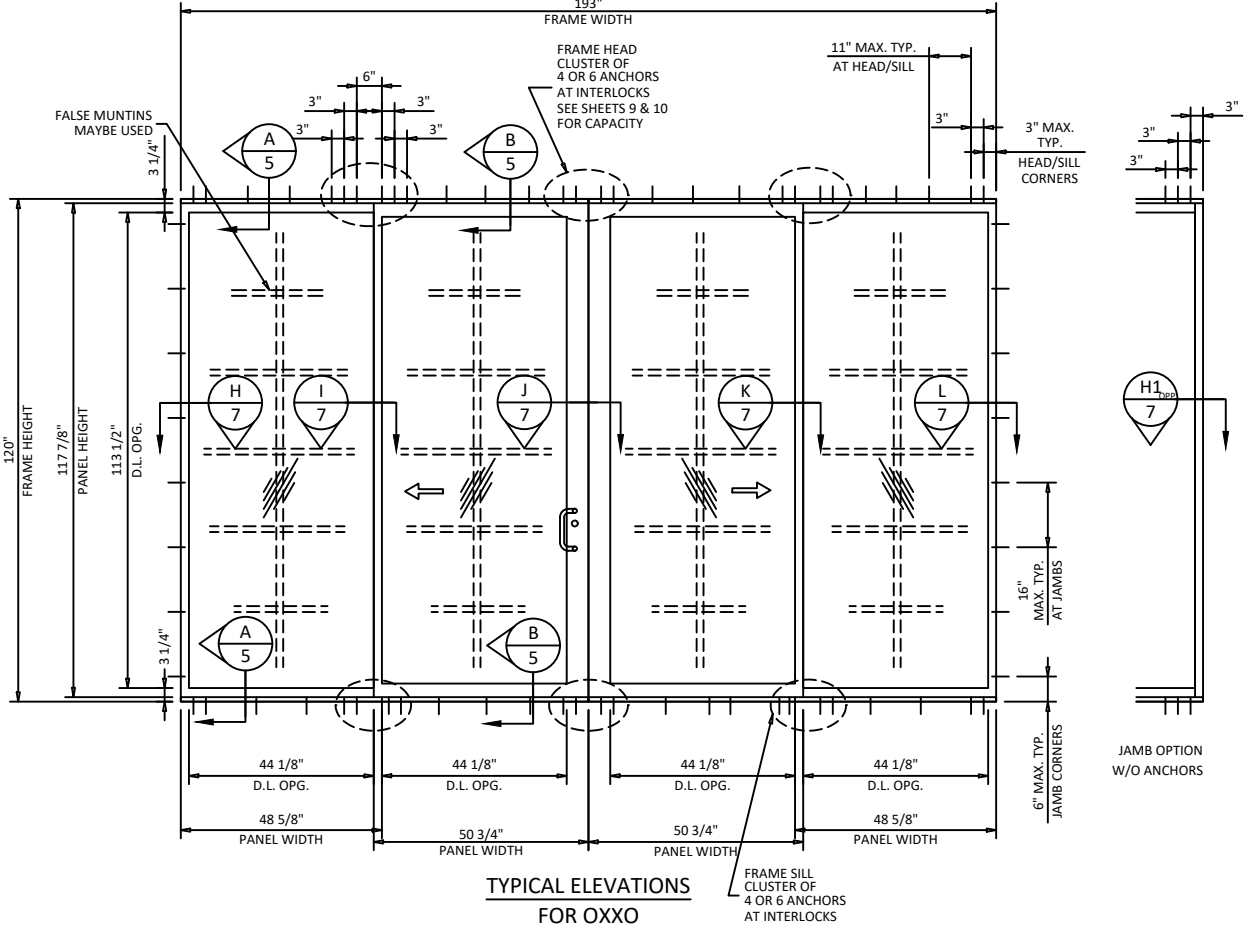
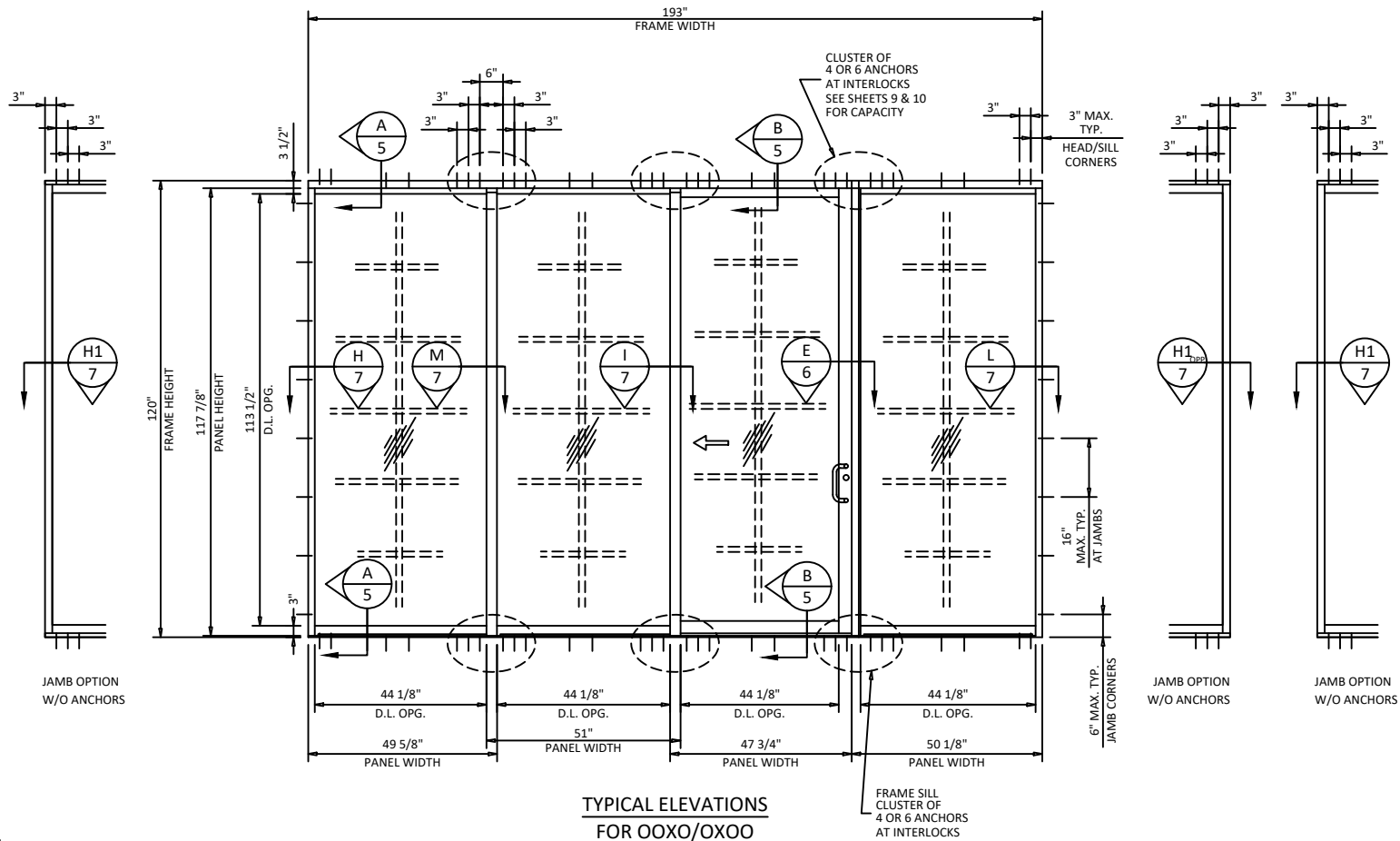
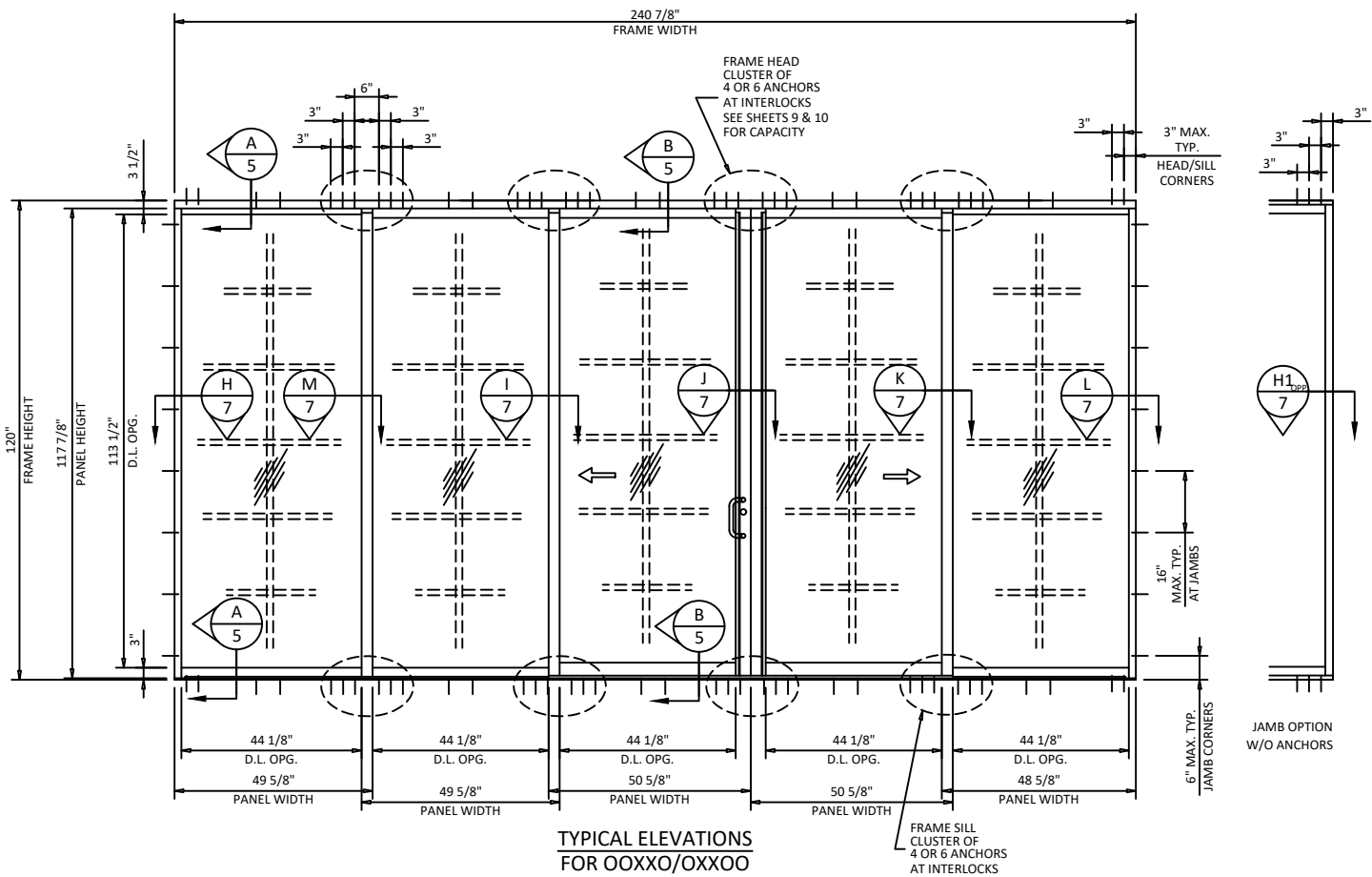
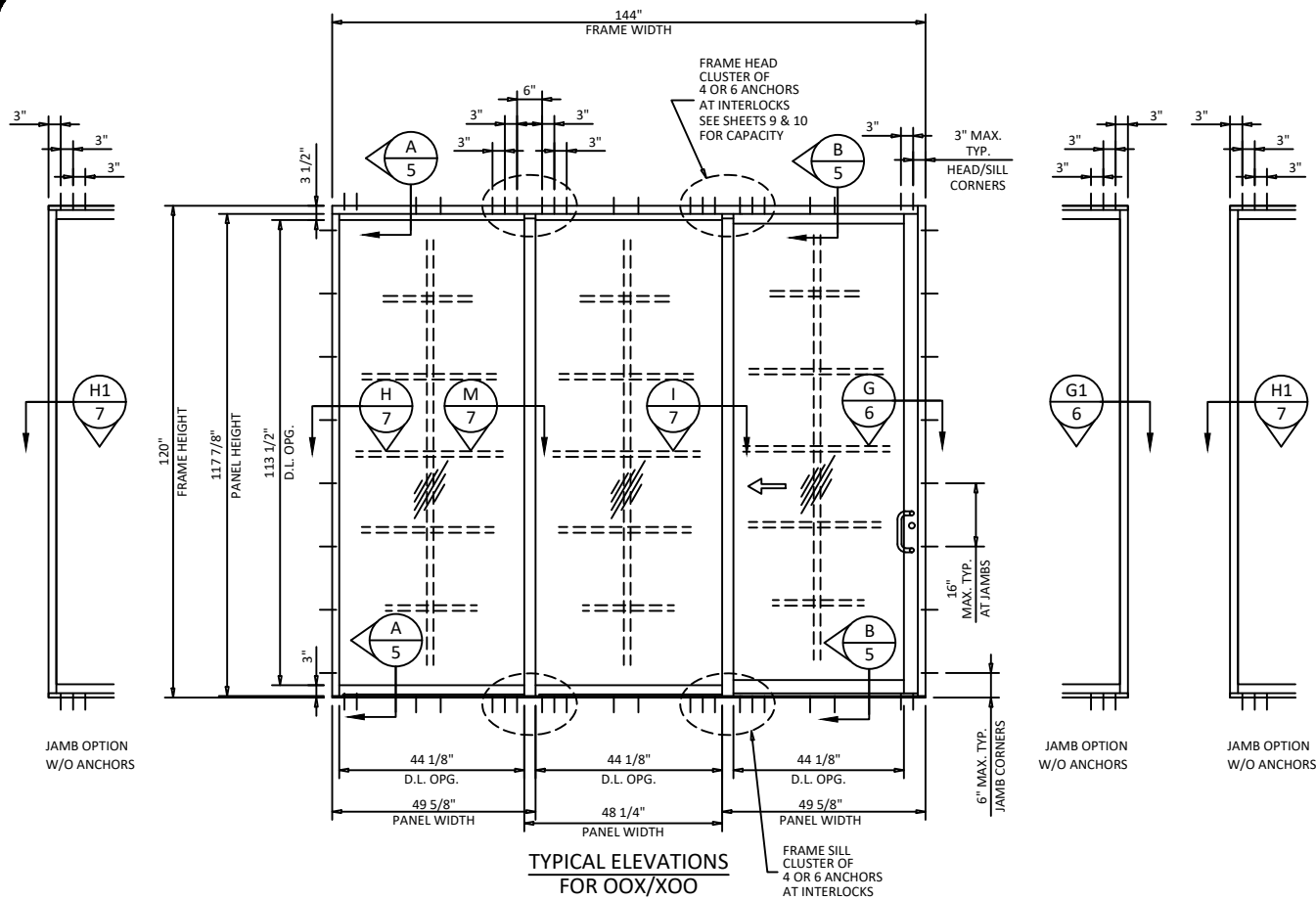
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MSS	HFN
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SHEET:	2

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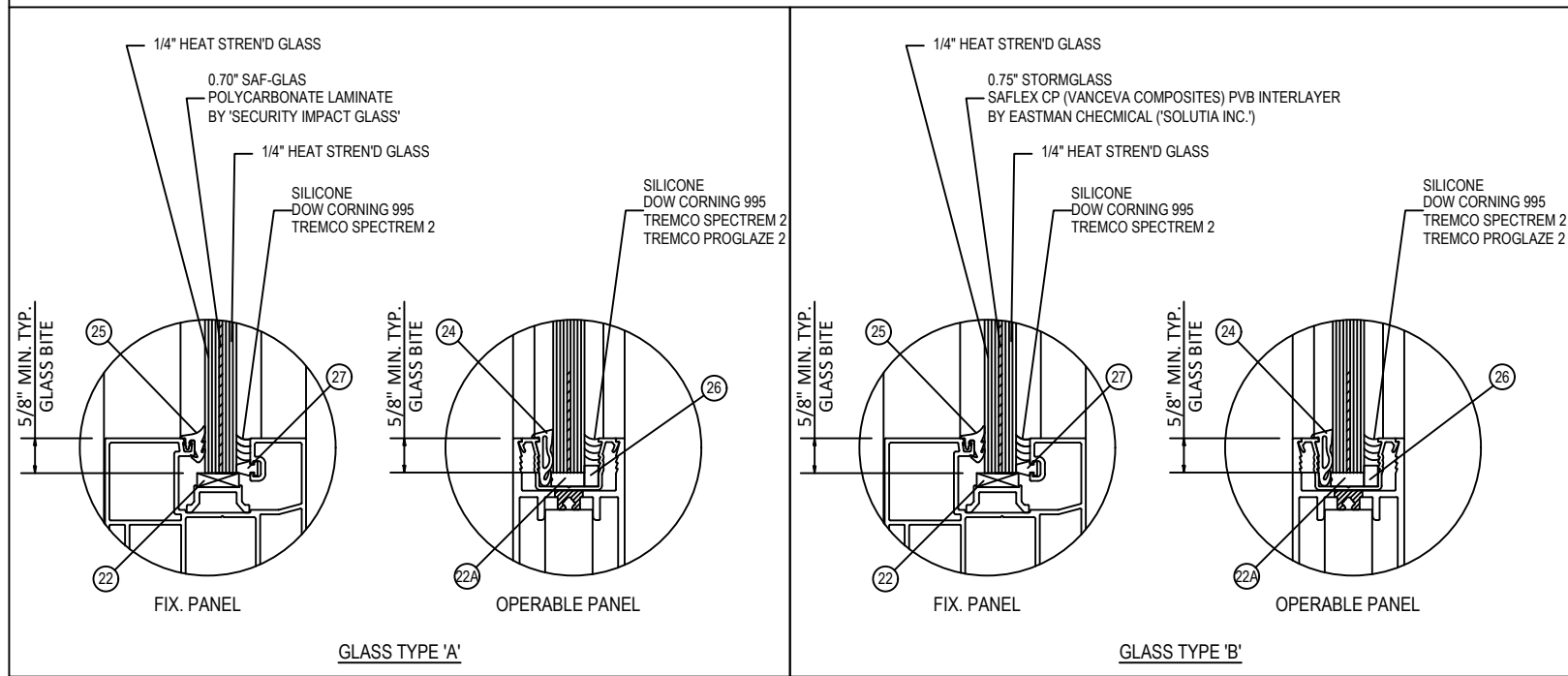
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SHEET:	3

LARGE MISSILE IMPACT

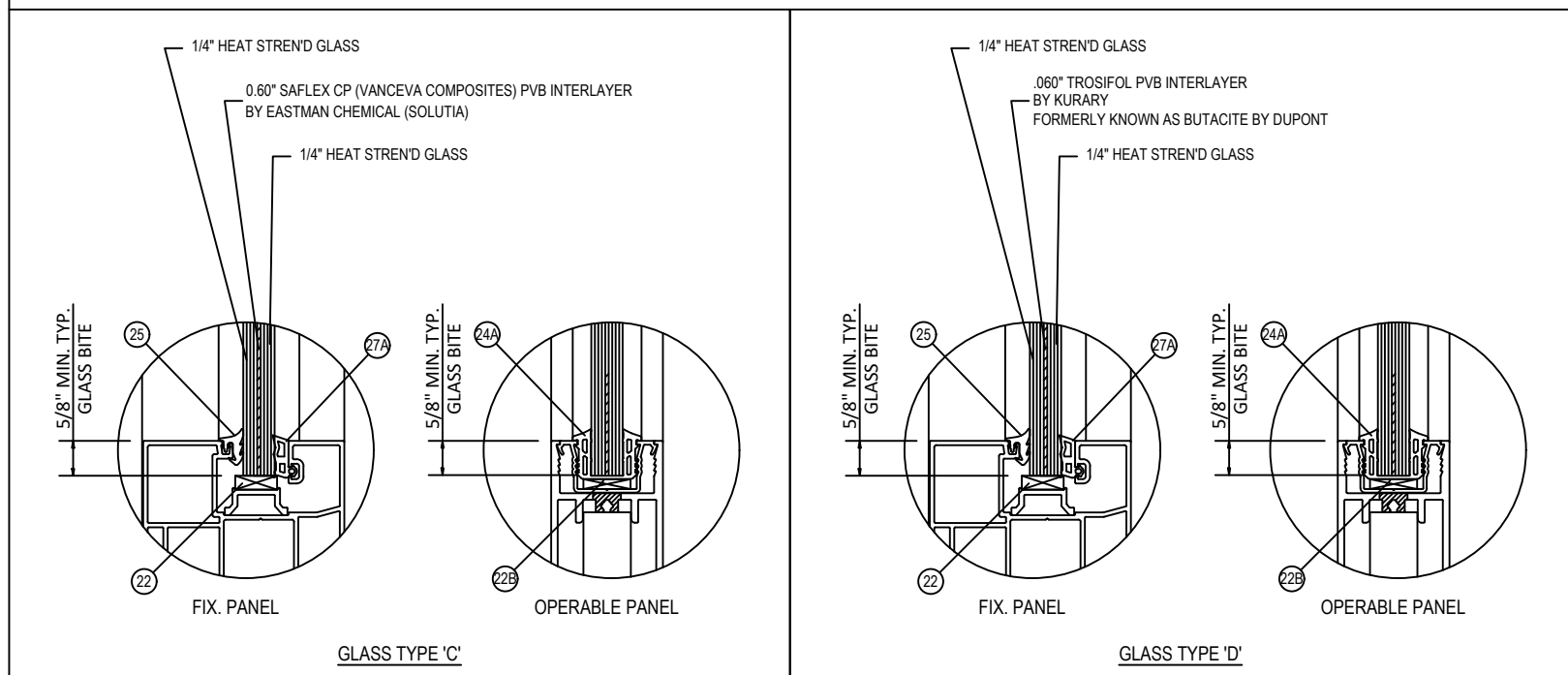


- 1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS.
- 2. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" PER FBC CHAPTER 24.
- 3. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- 4. GLASS TYPE SHALL COMPLY WITH APPLICABLE GLAZING AND SAFETY GLAZING REQUIREMENTS PER CHAPTER 24 OF THE FBC.

LMI GLASS DESIGN PRESSURE TABLE (PSF)					
PANEL WIDTH (IN)	DOOR HEIGHT (IN)	GLASS TYPE A		GLASS TYPE B	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	78	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	84	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	90	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	96	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	102	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	108	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	114	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	120	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4

SMI GLASS DESIGN PRESSURE TABLE (PSF)					
PANEL WIDTH (IN)	DOOR HEIGHT (IN)	GLASS TYPE C		GLASS TYPE D	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	78	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	84	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	90	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	96	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	102	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	108	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	114	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4
30	120	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0
54		89.4	107.2	89.4	107.2
60		80.4	96.5	80.4	96.5
66		73.1	87.7	73.1	87.7
72		67.0	80.4	67.0	80.4

SMALL MISSILE IMPACT



() = NO. OF ANCHORS AT DOOR JAMBS
NOTE: LOWER DESIGN PRESSURES SHALL CONTROL FOR COMBINATIONS OF THE PANELS.

DAYLIGHT OPNG.
D.L.O. HEIGHT = DOOR HT. - 6.5
D.L.O. WIDTH = AVG. PANEL WIDTH - 3.875



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SLIDING GLASS DOOR
(HVHZ) (IMPACT)
GLAZING DETAILS &
DESIGN LOAD CAPACITY TABLES

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BUILDING DROPS

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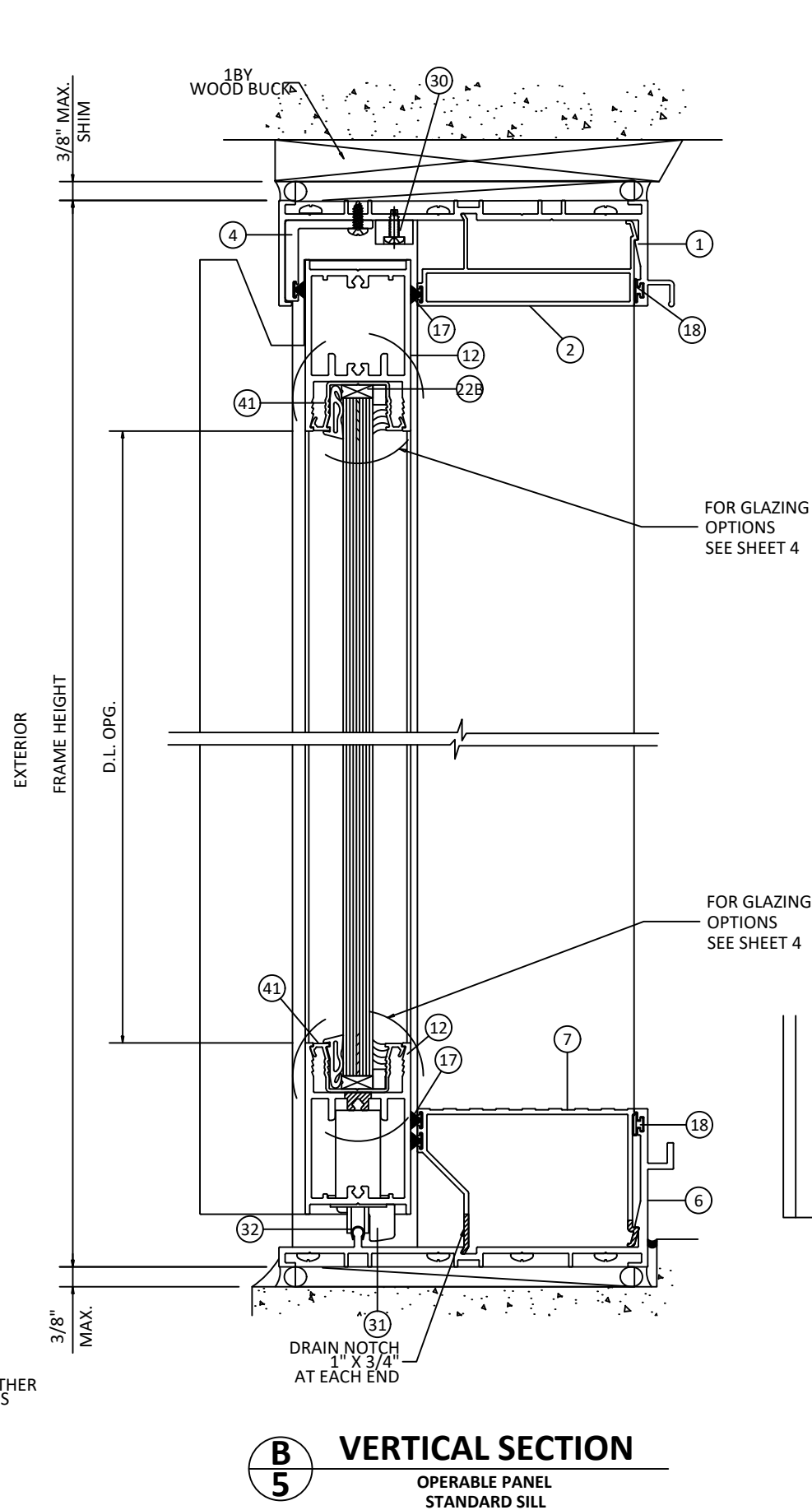
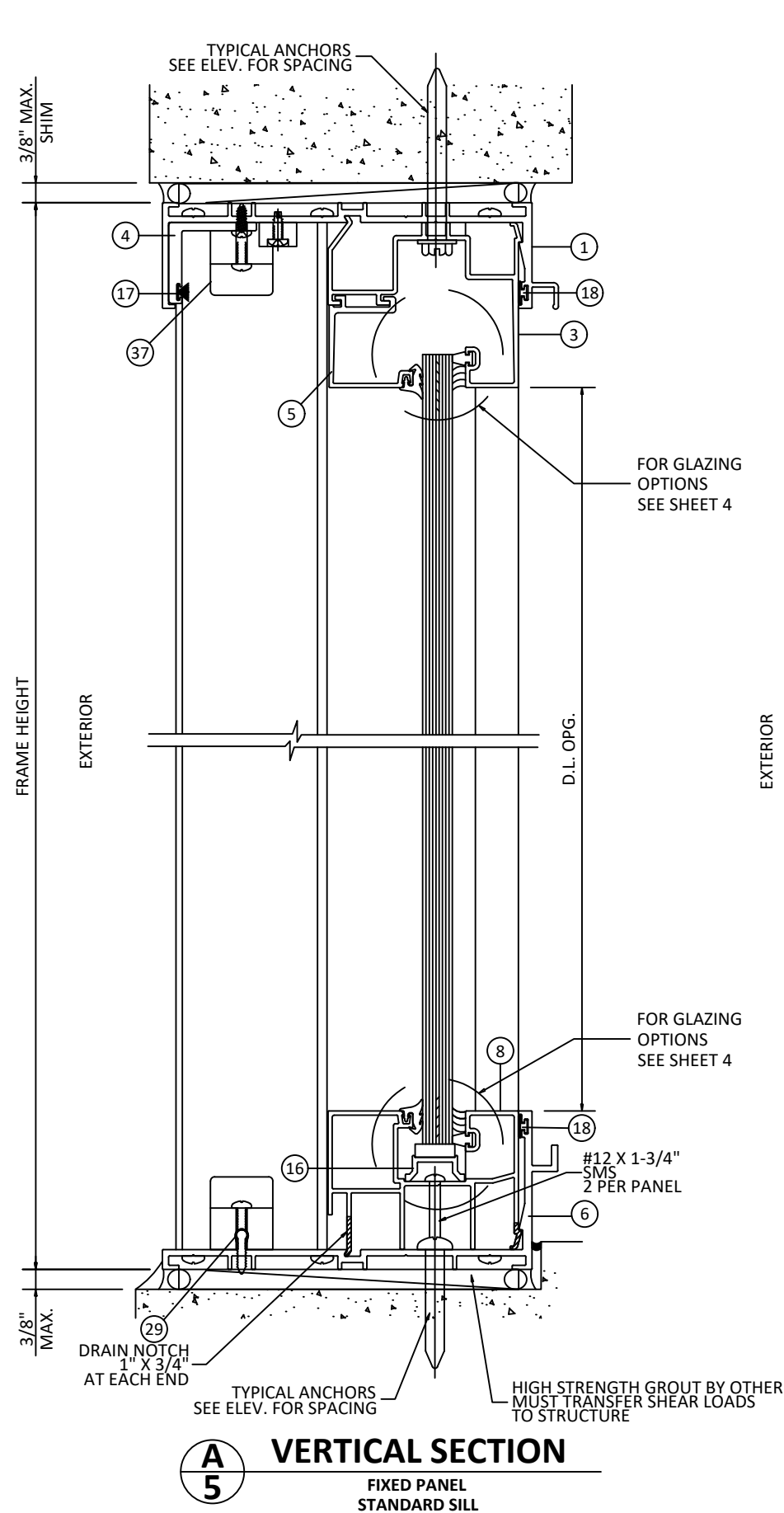
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OF 12

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VERTICAL SECTIONS

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1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

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MSS

CHK. BY:

HFN

SCALE:

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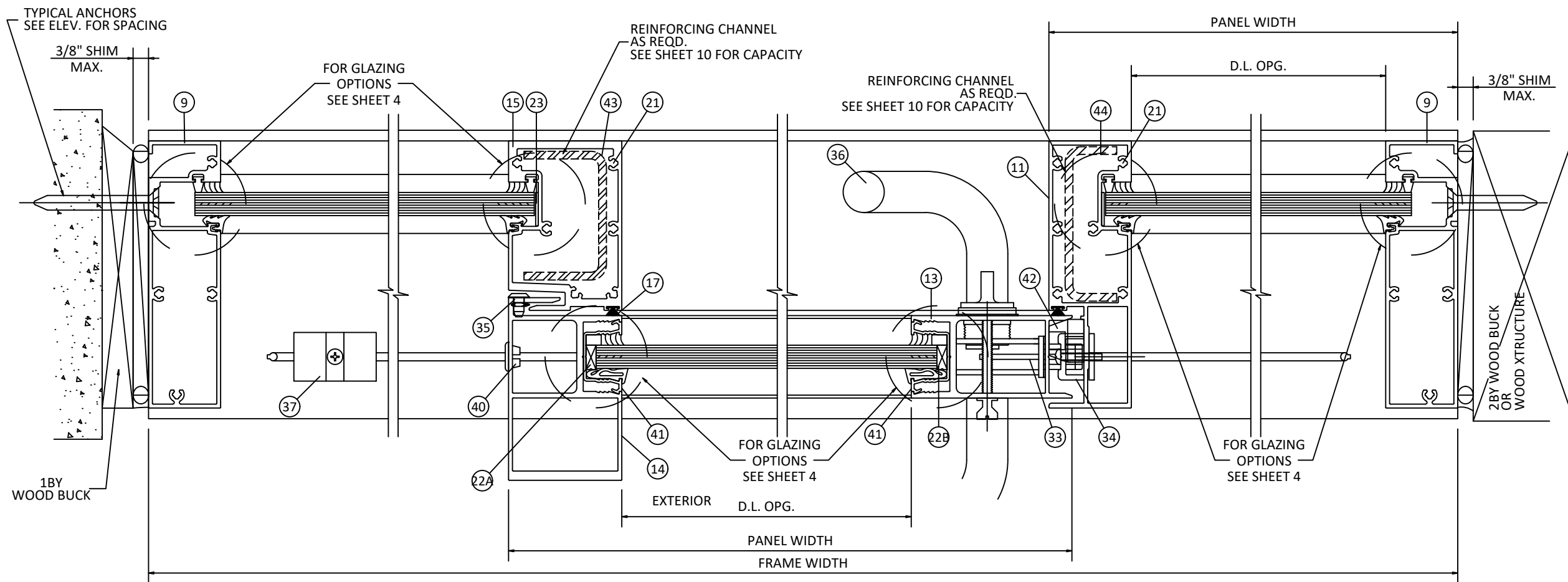
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SHEET:

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OF 12

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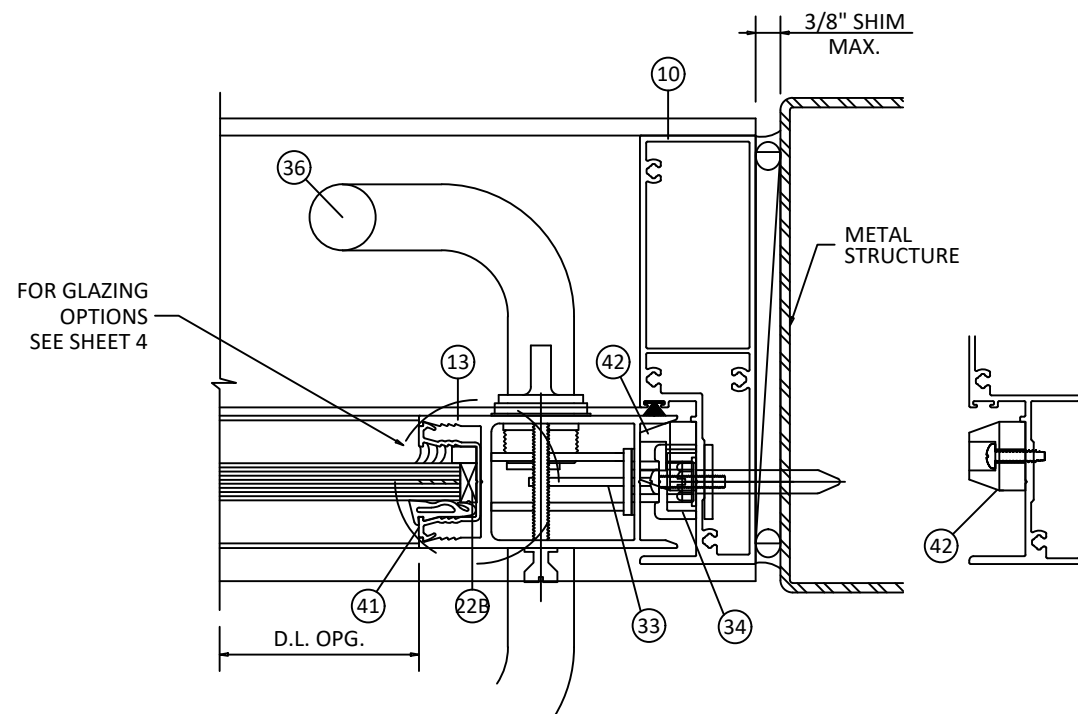


C
6 **HORIZONTAL SECTION**
JAMB - FIXED PANEL
WITH JAMB ANCHORS

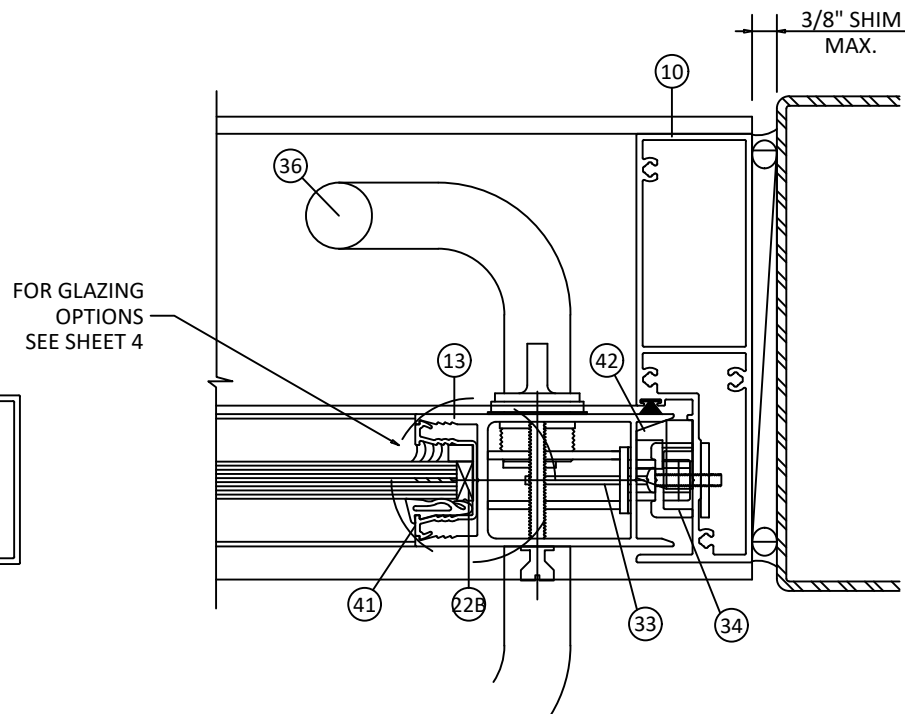
D
6 **HORIZONTAL SECTION**
INTERLOCK - FIXED TO OPERABLE

E
6 **HORIZONTAL SECTION**
INTERLOCK - OPERABLE TO FIXED

F
6 **HORIZONTAL SECTION**
JAMB - FIXED PANEL
WITH JAMB ANCHORS



G
6 **HORIZONTAL SECTION**
JAMB - OPERABLE PANEL
WITH JAMB ANCHORS



G1
6 **HORIZONTAL SECTION**
FREE JAMB - OPERABLE PANEL
WITHOUT JAMB ANCHORS



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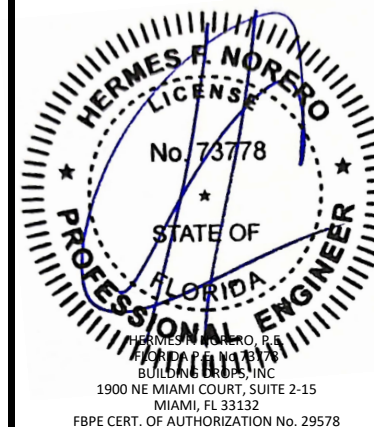
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FL #:

FL8753

DATE: 06.06.15

DWG. BY:	CHK. BY:
MSS	HFN

SCALE: NTS

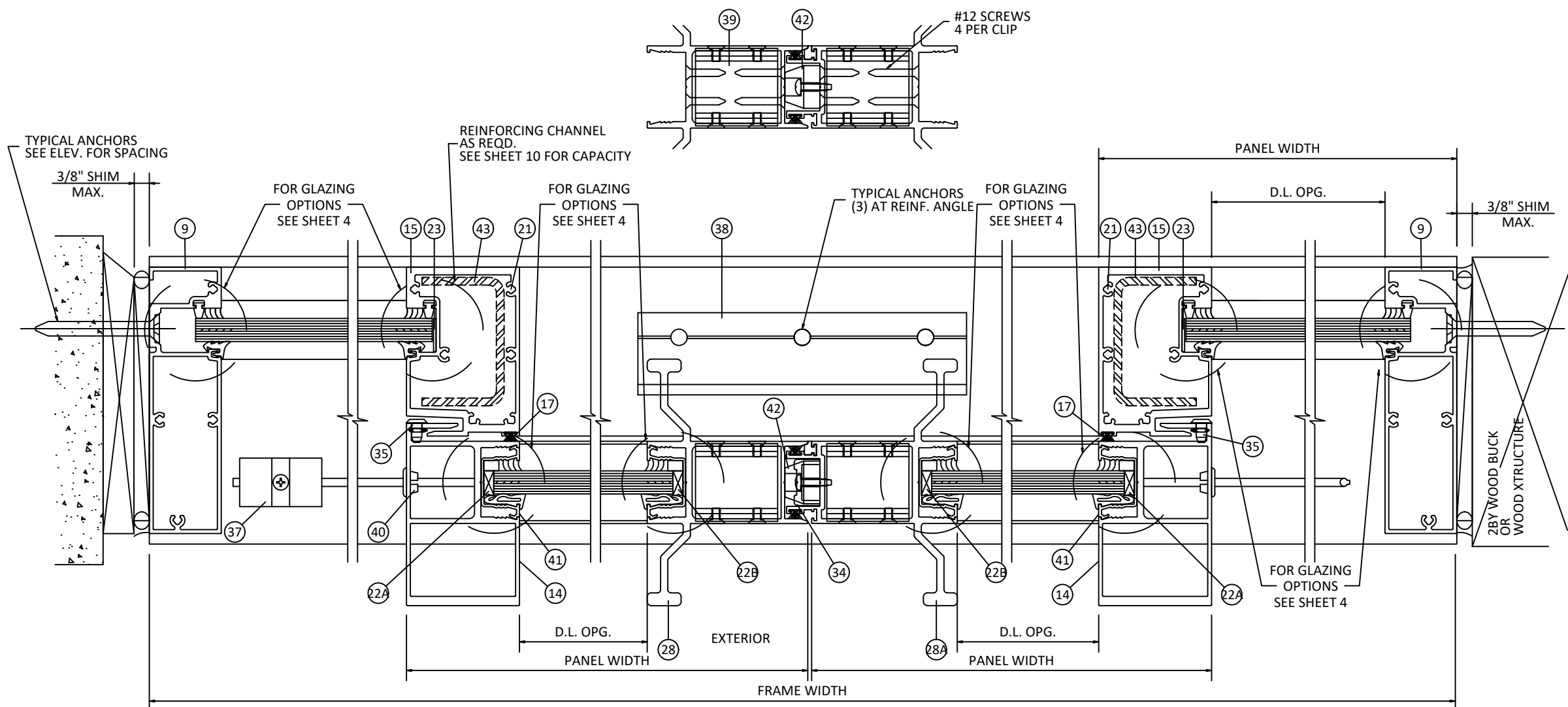
DWG. #: YKK238

SHEET:

6

OF 12

c:\users\sebastianhereros\building drops, inc\building drops landing - common\projects\ykk ap america, inc\fbc-24-0822 - fbc submittal - ysd 700 h impact sliding glass door (ykk238)\dwgs\ykk238.dwg
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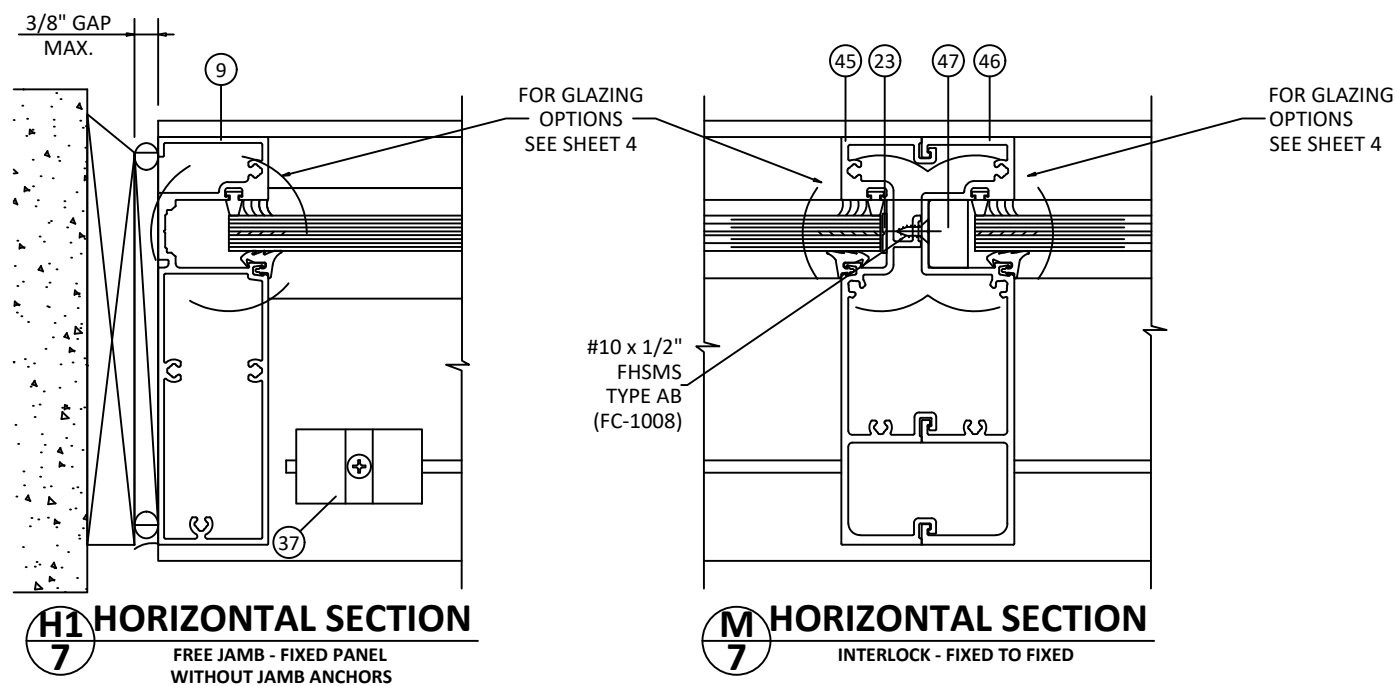
H **HORIZONTAL SECTION**
7 JAMB - FIXED PANEL WITH JAMB ANCHORS

I **HORIZONTAL SECTION**
7 INTERLOCK - FIXED TO OPERABLE

J **HORIZONTAL SECTION**
7 MEETING STILE

K **HORIZONTAL SECTION**
7 INTERLOCK - OPERABLE TO FIXED

L **HORIZONTAL SECTION**
7 JAMB - FIXED PANEL WITH JAMB ANCHORS



YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YSD 700 H
SLIDING GLASS DOOR
(HVHZ) (IMPACT)

HORIZONTAL SECTIONS

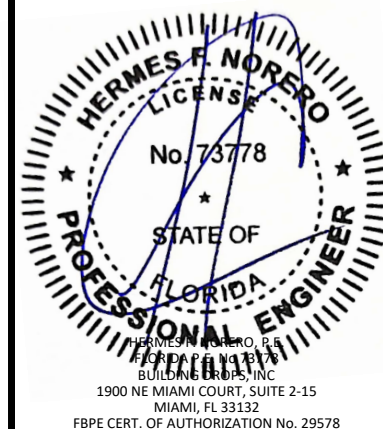
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
IMPACT NOTE UPDATE	SM	12/20/21
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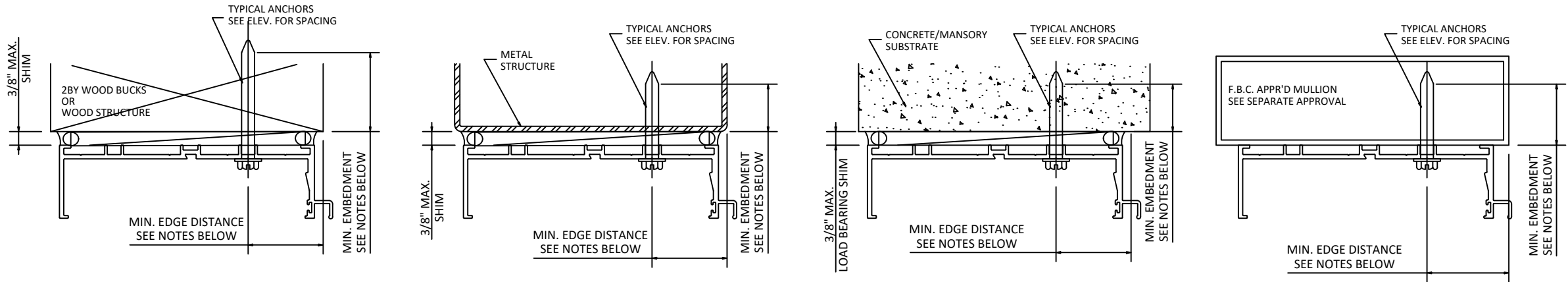
SCALE: NTS

DWG. #: YKK238

SHEET:

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WOOD BUCKS AND METAL STRUCTURES BY OTHER, MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

	TYPICAL ANCHORS: SEE ELEV. FOR SPACING	TYPE 'C'	#14 SMS OR SELF DRILLING SCREWS (GRADE 5 CRS)
TYPE 'A1'	#14 WOOD SCREW INTO 2BY WOOD BUCKS OR WOOD STRUCTURES (MIN. S.G. = 0.55) 1-1/2" MIN. PENETRATION INTO WOOD		INTO F.B.C. APPROVED MULLIONS STEEL: 12 GA. MIN. (Fy = 36 KSI MIN.) ALUMINUM: 0.100" THK. MIN. (6063-T6 MIN.) (NO SHIM SPACE) MIN. 3 THREADS PENETRATION BEYOND METAL STRUCTURE.
TYPE 'A2'	5/16" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy= 92 KSI) 5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy= 155 KSI) THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY		TYPICAL EDGE DISTANCE INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1-1/4" MIN. INTO METAL STRUCTURE = 3/4" MIN.
TYPE 'A3'	5/16" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy= 92 KSI) 5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy= 155 KSI) DIRECTLY INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY		CONCRETE AT HEAD,SILL OR JAMBS f'c = 3000 PSI MIN. C-90 FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.
TYPE 'B'	5/16" DIA. SELF DRILLING SCREWS (GRADE 5 CRS) INTO METAL STRUCTURES STEEL: 12 GA. MIN. (Fy = 36 KSI MIN.) ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED) MIN. 3 THREADS PENETRATION BEYOND METAL STRUCTURE.		SEALANTS: FRAME AND PANEL CORNERS SEALED WITH TREMCO SPECTREM 2 OR G.E. SILGLAZE OR TREMCO TREMSIL 600 SEALANT.

YKK

ap

Quality
inspires™

YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YSD 700 H
SLIDING GLASS DOOR
(HVHZ) (IMPACT)
ANCHOR DETAILS

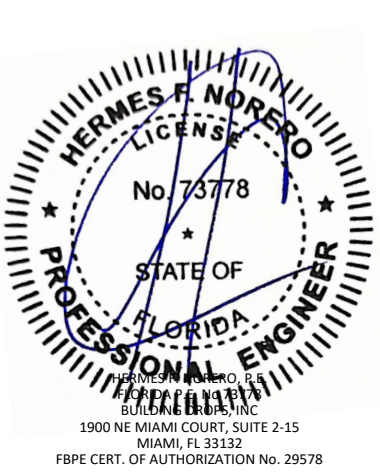
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BD

BUILDING DROPS

REMARKS	BY	DATE
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FL #:
FL8753

DATE: **06.06.15**

DWG. BY:
MSS

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **YKK238**

SHEET:

8

OF 12

c:\users\sebastianhereros\building drops, inc\building drops landing - common\projects\ykk ap america, inc\fbc-24-0822 - fbc submittal - ysd 700 h impact sliding glass door (ykk238)\dwgs\ykk238.dwg 8/19/2024 9:28 AM

DESIGN LOAD CAPACITY - PSF (DOORS WITHOUT REINFORCING)															
PANEL WIDTH (IN)	DOOR HEIGHT (IN)	3/8" MAX SHIM SPACE								5/16" MAX SHIM SPACE				NO SHIMS	
		ANCHOR TYPE A				ANCHOR TYPE B				ANCHOR TYPE A				ANCHOR TYPE C	
		CLUSTER OF 4		CLUSTER OF 6		CLUSTER OF 4		CLUSTER OF 6		CLUSTER OF 4		CLUSTER OF 6		CLUSTER OF 4	
		EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)
30	78	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
54		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
60		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
66		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
72		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
30	84	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
54		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
60		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
66		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
72		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
30	90	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
54		100.0	116.8	100.0	120.0	100.0	120.0	100.0	120.0	100.0	116.8	100.0	120.0	100.0	120.0
60		100.0	110.3	100.0	120.0	100.0	120.0	100.0	120.0	100.0	110.3	100.0	120.0	100.0	120.0
66		100.0	118.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	118.0	100.0	120.0	100.0	120.0
72		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
30	96	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	114.9	100.0	120.0	100.0	120.0	100.0	120.0	100.0	114.9	100.0	120.0	100.0	120.0
54		100.0	106.6	100.0	120.0	100.0	120.0	100.0	120.0	100.0	106.6	100.0	120.0	100.0	120.0
60		100.0	100.3	100.0	120.0	100.0	120.0	100.0	120.0	100.0	100.3	100.0	120.0	100.0	120.0
66		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
72		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
30	102	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	116.8	100.0	120.0	100.0	120.0	100.0	120.0	100.0	116.8	100.0	120.0	100.0	120.0
48		100.0	106.1	100.0	120.0	100.0	120.0	100.0	120.0	100.0	106.1	100.0	120.0	100.0	120.0
54		98.1	98.1	100.0	120.0	100.0	120.0	100.0	120.0	98.1	98.1	100.0	120.0	100.0	120.0
60		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
66		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
72		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
30	108	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	108.7	100.0	120.0	100.0	120.0	100.0	120.0	100.0	108.7	100.0	120.0	100.0	120.0
48		98.5	98.5	100.0	120.0	100.0	120.0	100.0	120.0	98.5	98.5	100.0	120.0	100.0	120.0

PANEL WIDTH NOMINAL = $\frac{\text{DOOR WIDTH}}{\text{NUMBER OF PANELS}}$

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) DESIGN PRESSURES FOR UNIT SIZES OTHER THAN TESTED HAVE BEEN DETERMINED IN ACCORDANCE WITH CHAPTER 17 OF THE CURRENT FBC TYPE 'A' IN THE CHART INCLUDE A1, A2, A3

SEE SHEET 8 FOR DESCRIPTION OF ANCHOR TYPES.



YKK AP America Inc.

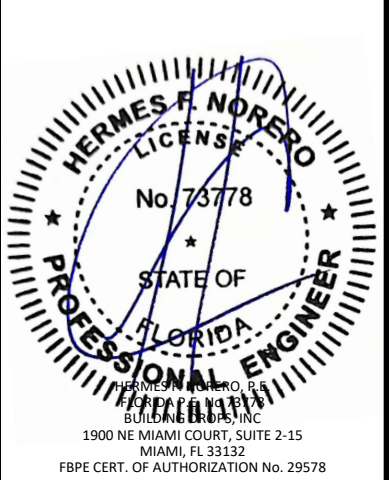
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YSD 700 H
SLIDING GLASS DOOR
(HVHZ) (IMPACT)
DESIGN LOAD CAPACITY TABLE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
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REMARKS	BY	DATE
IMPACT NOTE UPDATE	SM	12/20/21
DP TABLE UPDATE	SH	08/13/24

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HFN

SCALE:
NTS

DWG. #:
YKK238

SHEET:
9

OF 12

c:\users\sebastianherrerero\building drops - inc\building drops landing - common\projects\ykk ap america, inc\fbc-24-0822 - fbc submittal - ysd 700 h impact sliding glass door (ykk238)\dwgs\ykk238.dwg 8/19/2024 9:28 AM

DESIGN LOAD CAPACITY - PSF (DOORS WITH REINFORCING)															
PANEL WIDTH (IN)	DOOR HEIGHT (IN)	3/8" MAX SHIM SPACE								5/16" MAX SHIM SPACE				NO SHIMS	
		ANCHOR TYPE A				ANCHOR TYPE B				ANCHOR TYPE A				ANCHOR TYPE C	
		CLUSTER OF 4		CLUSTER OF 6		CLUSTER OF 4		CLUSTER OF 6		CLUSTER OF 4		CLUSTER OF 6		CLUSTER OF 4	
		EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)	EXT (+)	EXT (-)
30	78	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
54		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
60		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
66		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
72		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
30	84	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
54		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
60		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
66		100.0	118.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	118.0	100.0	120.0	100.0	120.0
30	90	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
54		100.0	116.8	100.0	120.0	100.0	120.0	100.0	120.0	100.0	116.8	100.0	120.0	100.0	120.0
60		100.0	110.3	100.0	120.0	100.0	120.0	100.0	120.0	100.0	110.3	100.0	120.0	100.0	120.0
30	96	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	114.9	100.0	120.0	100.0	120.0	100.0	120.0	100.0	114.9	100.0	120.0	100.0	120.0
54		100.0	106.6	100.0	120.0	100.0	120.0	100.0	120.0	100.0	106.6	100.0	120.0	100.0	120.0
60		100.0	100.3	100.0	120.0	100.0	120.0	100.0	120.0	100.0	100.3	100.0	120.0	100.0	120.0
30	102	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	116.8	100.0	120.0	100.0	120.0	100.0	120.0	100.0	116.8	100.0	120.0	100.0	120.0
48		100.0	106.1	100.0	120.0	100.0	120.0	100.0	120.0	100.0	106.1	100.0	120.0	100.0	120.0
54		98.1	98.1	100.0	120.0	100.0	120.0	100.0	120.0	98.1	98.1	100.0	120.0	100.0	120.0
30	108	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	108.7	100.0	120.0	100.0	120.0	100.0	120.0	100.0	108.7	100.0	120.0	100.0	120.0
48		98.5	98.5	100.0	120.0	100.0	120.0	100.0	120.0	98.5	98.5	100.0	120.0	100.0	120.0
30	114	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	114.9	100.0	120.0	100.0	120.0	100.0	120.0	100.0	114.9	100.0	120.0	100.0	120.0
42		100.0	101.7	100.0	120.0	100.0	120.0	100.0	120.0	100.0	101.7	100.0	120.0	100.0	120.0
48		91.9	91.9	100.0	120.0	100.0	120.0	100.0	120.0	91.9	91.9	100.0	120.0	100.0	120.0
30	120	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	108.2	100.0	120.0	100.0	120.0	100.0	120.0	100.0	108.2	100.0	120.0	100.0	120.0
42		95.5	95.5	100.0	120.0	100.0	120.0	100.0	120.0	95.5	95.5	100.0	120.0	100.0	120.0
48		86.2	86.2	100.0	120.0	100.0	120.0	100.0	120.0	86.2	86.2	100.0	120.0	100.0	120.0

PANEL WIDTH NOMINAL = $\frac{\text{DOOR WIDTH}}{\text{NUMBER OF PANELS}}$

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300 (3 SEC. GUSTS)
DESIGN PRESSURES FOR UNIT SIZES OTHER
THAN TESTED HAVE BEEN DETERMINED IN
ACCORDANCE WITH CHAPTER 17 OF THE CURRENT FBC
TYPE 'A' IN THE CHART INCLUDE A1, A2, A3

SEE SHEET 8 FOR DESCRIPTION OF ANCHOR TYPES.



Quality
inspires™

YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YSD 700 H
SLIDING GLASS DOOR
(HVHZ) (IMPACT)
DESIGN LOAD CAPACITY TABLE

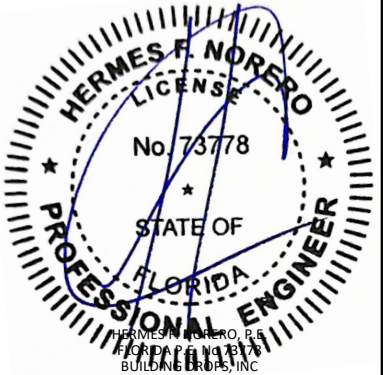
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



BUILDING DROPS

REMARKS	BY	DATE
IMPACT NOTE UPDATE	SM	12/20/21
DP TABLE UPDATE	SH	08/13/24

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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL8753

DATE: **06.06.15**

DWG. BY:
MSS

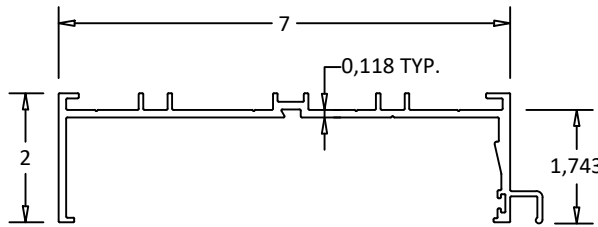
CHK. BY:
HFN

SCALE: **NTS**

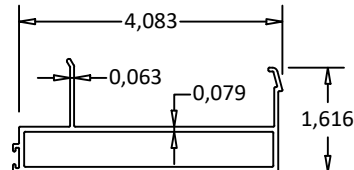
DWG. #: **YKK238**

SHEET:
10
OF 12

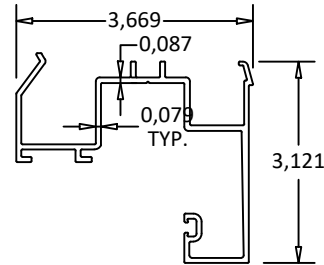
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8/19/2024 9:28 AM



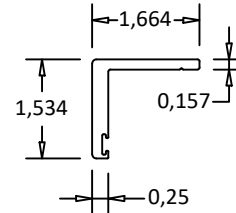
① FRAME HEAD



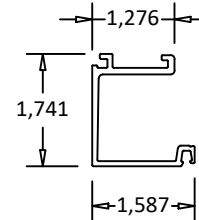
② HEAD ADAPTOR (OPERABLE)



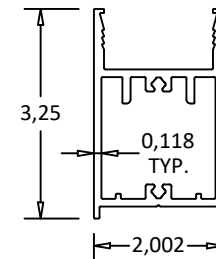
③ HEAD ADAPTOR (FIXED)



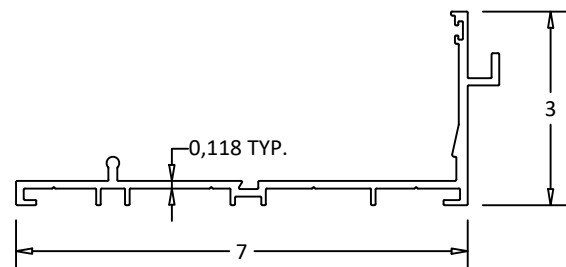
④ HEAD ADAPTOR (EXTERIOR)



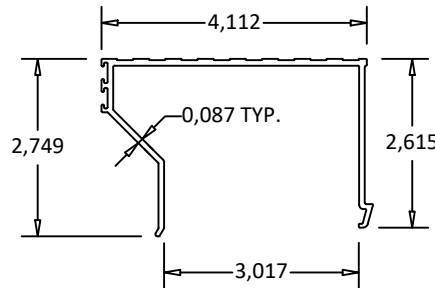
⑤ GLASS STOP (HEAD)



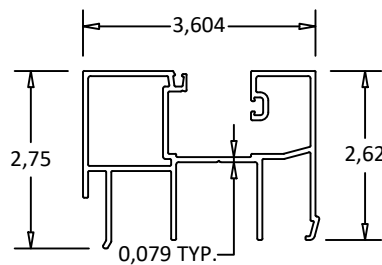
⑫ TOP & BOTTOM RAIL



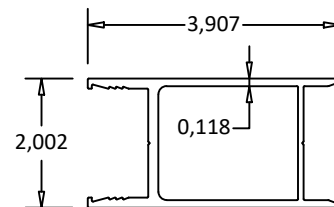
⑥ FRAME SILL



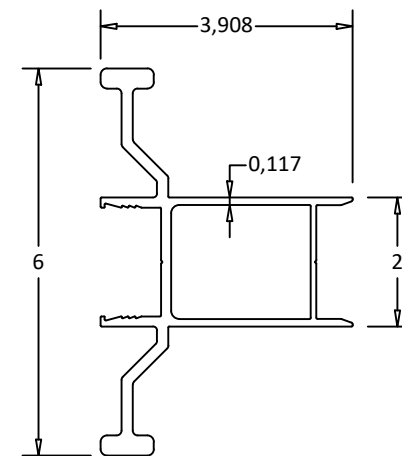
⑦ SILL ADAPTOR (OPERABLE)



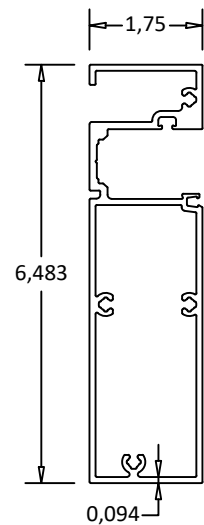
⑧ SILL ADAPTOR (FIXED)



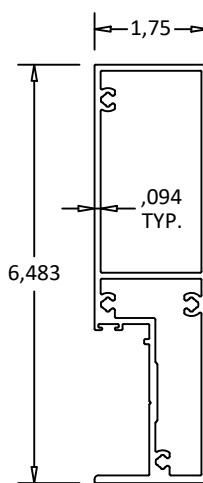
⑬ JAMB STILE



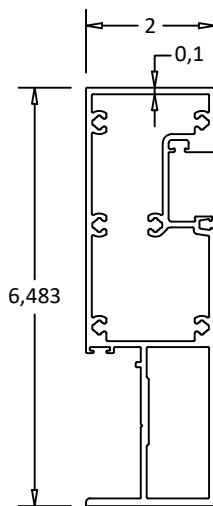
⑳ FEMALE LOCK STILE



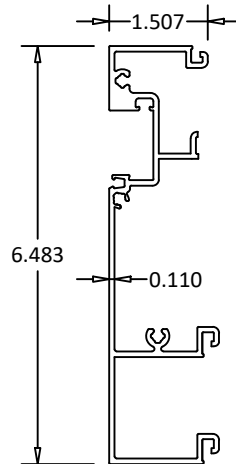
⑨ FRAME JAMB (FIXED)



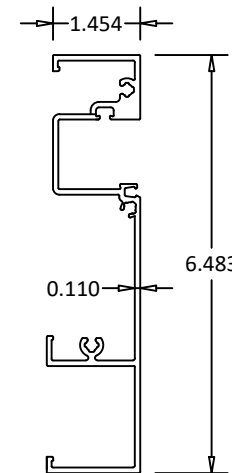
⑩ FRAME JAMB (OPERABLE)



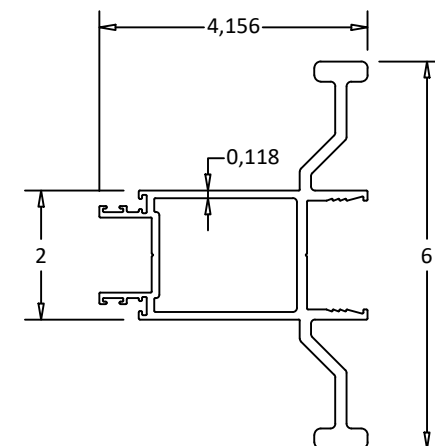
⑪ MEETING STILE



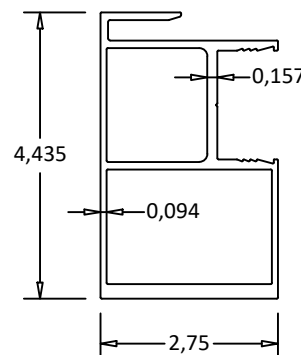
④⑤ MULLION SHALLOW POCKET



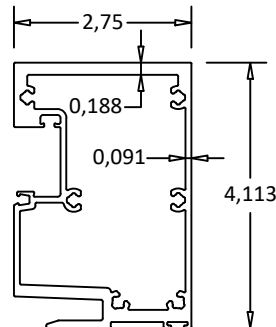
④⑥ MULLION DEEP POCKET



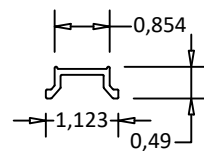
⑳A MALE LOCK STILE



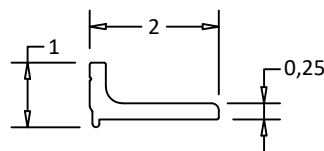
⑭ INTERLOCK (OPERABLE)



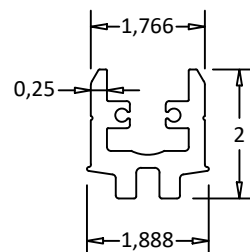
⑮ INTERLOCK (FIXED)



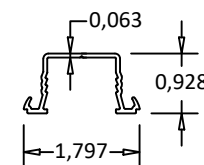
⑯ SETTING BLOCK CHAIR



⑳ REINFORCING ANGLE



④⑨ REINFORCING CLIP



④① ADAPTOR (OPERABLE)



YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YSD 700 H
SLIDING GLASS DOOR
(HVHZ) (IMPACT)

COMPONENTS

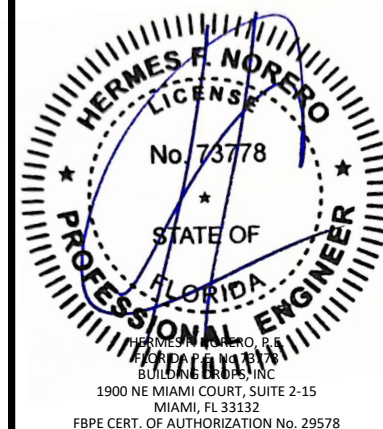
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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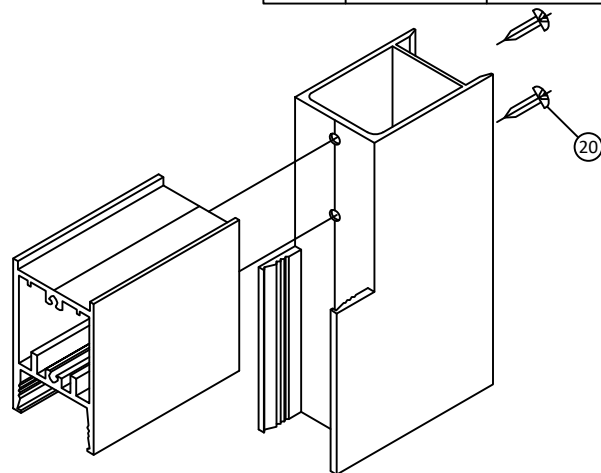


REMARKS	BY	DATE
IMPACT NOTE UPDATE	SM	12/20/21
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FL #:	FL8753
DATE:	06.06.15
DWG. BY:	MSS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK238
SHEET:	11



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-6126	1	FRAME HEAD	6063-T5	YKK AP AMERICA
2	E9-6110	1	HEAD ADAPTOR (OPERABLE)	6063-T5	YKK AP AMERICA
3	E9-6107	AS REQD.	HEAD ADAPTOR (FIXED)	6063-T5	YKK AP AMERICA
4	E9-6115	1	HEAD ADAPTOR (EXTERIOR)	6063-T5	YKK AP AMERICA
5	E9-6130	AS REQD.	GLASS STOP (HEAD)	6063-T5	YKK AP AMERICA
6	E9-6127	1	FRAME SILL	6063-T5	YKK AP AMERICA
7	E9-6111	1	SILL ADAPTOR (OPERABLE)	6063-T5	YKK AP AMERICA
8	E9-6131	AS REQD.	SILL ADAPTOR (FIXED)	6063-T5	YKK AP AMERICA
9	E9-6134	AS REQD.	FREE STANDING FRAME JAMB (FIXED)	6063-T5	YKK AP AMERICA
10	E9-6135	1	FREE STANDING FRAME JAMB (OPERABLE)	6063-T5	YKK AP AMERICA
11	E9-6133	1	MEETING STILE	6063-T5	YKK AP AMERICA
12	E9-6112	2/ PANEL	TOP & BOTTOM RAIL	6063-T5	YKK AP AMERICA
13	E9-6114	1	JAMB STILE	6063-T5	YKK AP AMERICA
14	E9-6113	AS REQD.	INTERLOCK (OPERABLE)	6063-T5	YKK AP AMERICA
15	E9-6132	1	INTERLOCK (FIXED)	6063-T5	YKK AP AMERICA
16	E1-1621	2	SETTING BLOCK CHAIR, 4" LONG	6063-T5	YKK AP AMERICA
17	E2-0712	AS REQD.	PILE W'STRIPPING WITH FIN	POLYPROPOLENE	-
18	E2-0051	AS REQD.	5/16" DIA. BULB W'STRIPPING	SANTOPRENE	-
19	PC-1220-SS	3/ CORNER	#12 X 1-1/4" PHSMS (FRAME ASSY. SCREWS)	ST. STEEL	-
20	PC-1220-SS	2/ CORNER	#12 X 1-1/4" PHSMS (PANEL ASSY. SCREWS)	ST. STEEL	-
21	PC-1220-SS	6/ END	#12 X 1-1/4" PHSMS (ASTRAGAL/FIX ASSY.SCREWS)	ST. STEEL	-
22	E2-9902	AS REQD.	SETTING BLOCK	EPDM	-
22A	E2-0737	AS REQD.	SETTING BLOCK/SIDE BLOCK	EPDM	-
22B	E2-0738	AS REQD.	SETTING BLOCK/SIDE BLOCK	EPDM	-
23	E2-0739	AS REQD.	SIDE BLOCK	EPDM	-
24	E2-0361	AS REQD.	OPER. PANEL GLAZING GASKET	EPDM	-
24A	E2-0734	AS REQD.	OPER. PANEL GLAZING GASKET	EPDM	-
25	E2-0083	AS REQD.	FIX. PANEL GLAZING GASKET	EPDM	-
26	E2-0745	AS REQD.	OPER. PANEL GLAZING SPACER	-	-
27	E2-0089	AS REQD.	FIX. PANEL GLAZING SPACER	EPDM	-
27A	E2-0088	AS REQD.	FIX. PANEL GLAZING SPACER	EPDM	-
28	E9-6117	1	FEMALE LOCK STILE	6063-T5	YKK AP AMERICA
28A	E9-6116	1	MALE LOCK STILE	6063-T5	YKK AP AMERICA
29	E1-1601	1	SILL TRACK COVER	ST. STEEL	-
30	E3-1162	2/ MOV. PANEL	FIX. PANEL STOP	POLYAMIDE 6	SECURED W/ (2) #8X 1/2" PH TS
31	E1-1605	2/ MOV. PANEL	MOV. PANEL BLOCK	6063-T5	SECURED W/ (2) #8 X 1/2" PH TS
32	E1-1620	2/ MOV. PANEL	BALL BEARING ROLLER	ST. STEEL	-
33	P-2101-SS	1/ MOV. PANEL	LOCK	-	SECURED W/ (2) #10 FH SMS
34	E1-1618	1/ MOV. PANEL	STRIKE + BACKER PLATE	6063-T5	SECURED W/ (2) 1/4-20 X 1-1/4" PH MS
35	E3-1165	1/ MOV. PANEL	PANEL GUIDE	POLYAMIDE 6	-
36	H-1342	1	PULL HANDLE	-	-
37	E2-0709	1/ MOV. PANEL	HEAD/SILL BUMPER	EPDM	SECURED W/ #10 X 1-1/4" PH TS
38	E1-1623	AS REQD.	REINFORCING ANGLE	6063-T5	AT OXOX DOORS ONLY
39	E1-1622	AS REQD.	REINFORCING CLIP AT SILL LOCATION	6063-T5	AT OXOX DOORS ONLY
40	K3-3004	-	FILLER BUTTONS	-	-
41	E9-6129	AS REQD.	ADAPTOR (OPERABLE)	6063-T5	-
42	E2-0705	2/ MOV. PANEL	PANEL BUMPER	EPDM	SECURED W/ #10 X 1-1/4" PH TS
43	E1-0196	AS REQD.	REINFORCING CHANNEL	STEEL	2 X 3-1/8 X 2 X 3/16" THK.
44	E1-0195	AS REQD.	REINFORCING CHANNEL	STEEL	1-1/4" X 3-3/4" X 1-1/4 X 3/16" THK.
45	E9-7991	AS REQD.	MULLION SHALLOW POCKET	-	-
46	E9-7992	AS REQD.	MULLION DEEP POCKET	-	-
47	E2-0546	AS REQD.	ANTI-WALK BLOCK	-	-

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1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

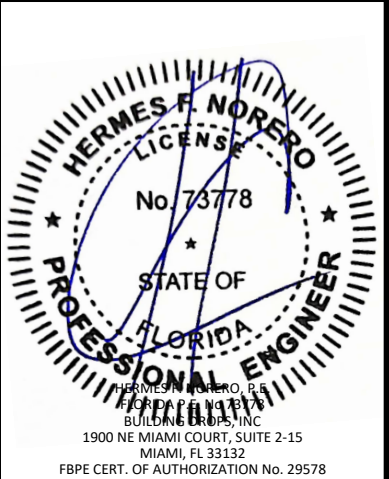
TITLE: YSD 700 H
SLIDING GLASS DOOR
(HVHZ) (IMPACT)
ASSEMBLY DETAILS &
BILL OF MATERIALS

PREPARED BY: **BUILDING DROPS, INC.**
1900 NE MIAMI COURT, SUITE 2-15
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SHEET:		12	
		OF 12	