

YKK AP America Inc.

YSD 700 SLIDING GLASS DOOR

(MONOLITHIC GLASS)

(HVHZ) (NON-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 202-94
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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: ALUMINUM 6063-T5
7. 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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DESIGN PRESSURE TABLE		
GLAZING TYPES	MAX. DP	IMPACT RATING
F & G	SEE SHEET 8 & 9	NON-IMPACT



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

YSD 700
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)
GENERAL NOTES &
TABLE OF CONTENTS

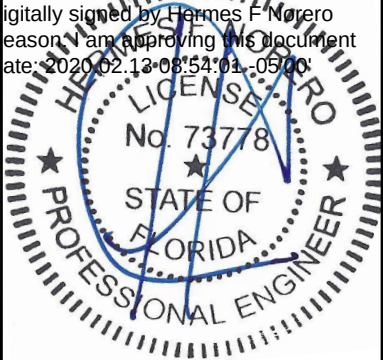
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero
Reason: I am approving this document
Date: 2020.02.13 08:54:01 -0500



HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL8753

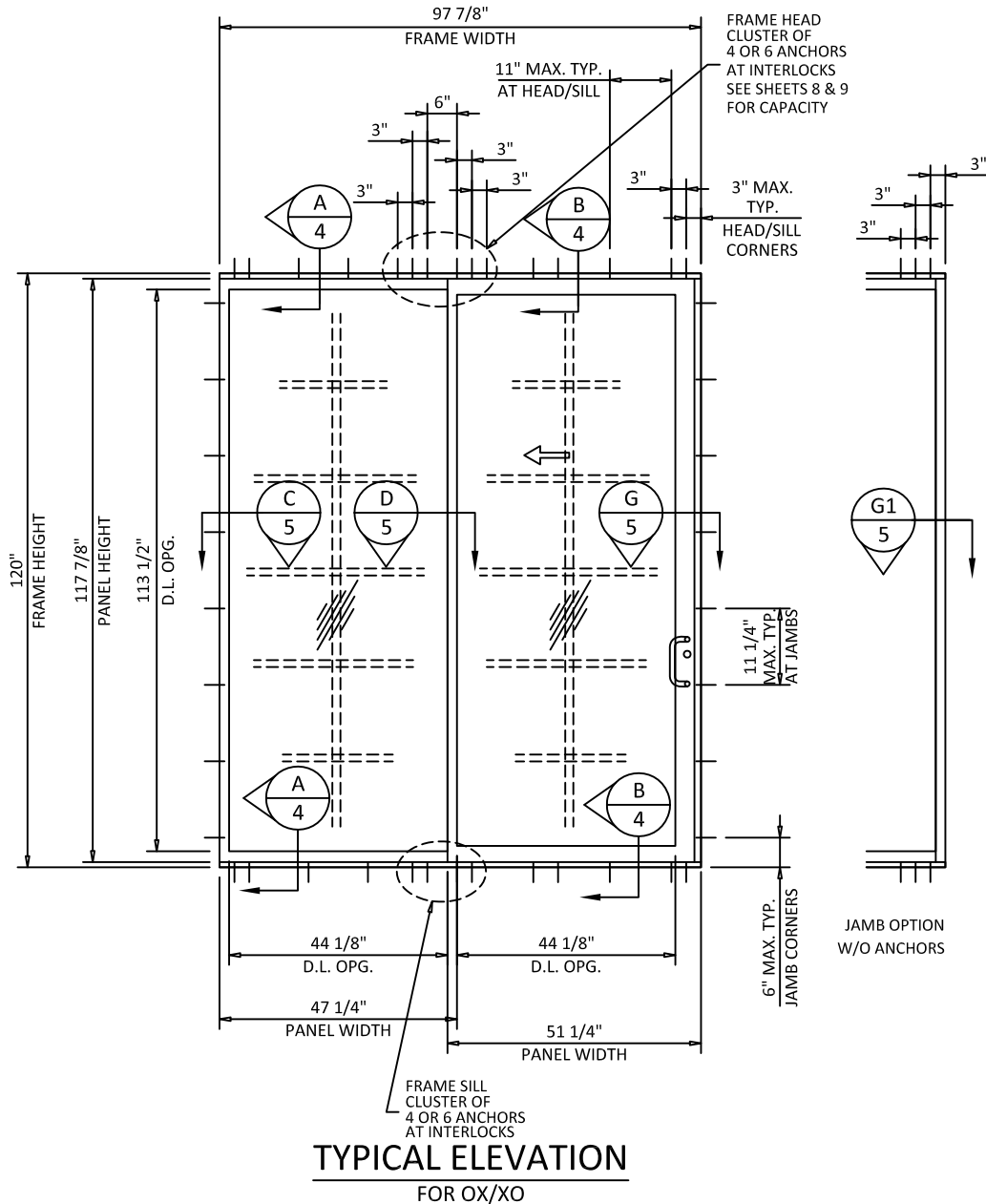
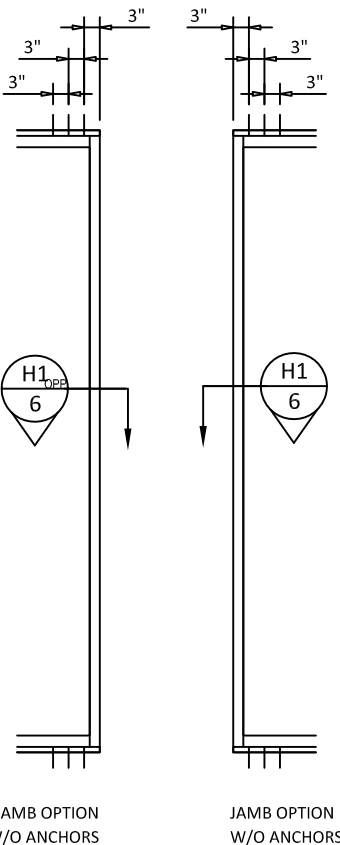
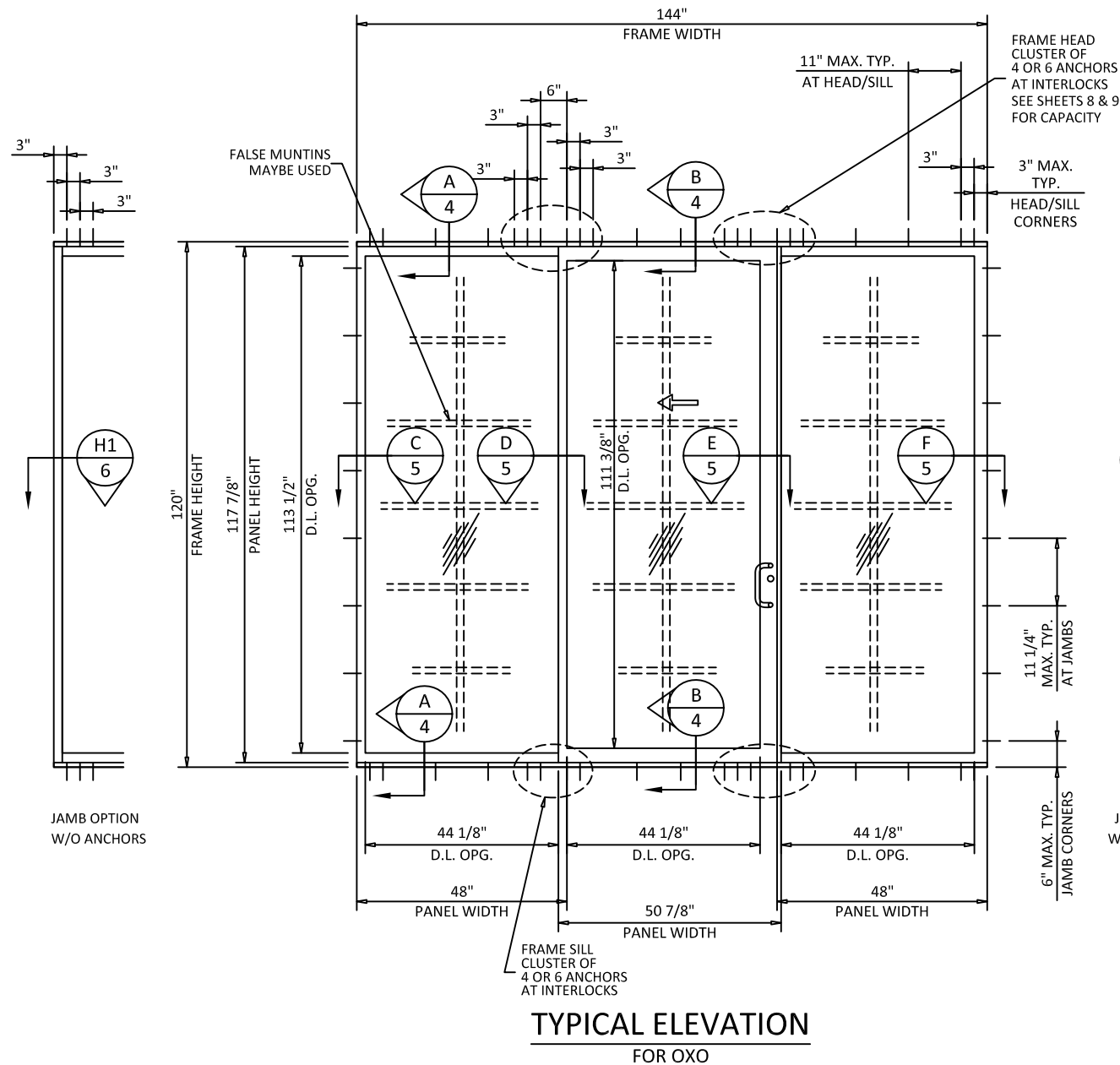
DATE: **06.06.15**

DWG. BY: **MSS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK237**

SHEET:
1
OF 11



YSD700 ALUMINUM SLIDING GLASS DOOR (N.I.)

DESIGN LOAD RATING FOR THESE DOOR TO BE AS PER CHART SHOWN ON SHEETS 8 & 9.

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.

**MONOLITHIC GLASS
NON- IMPACT**

THIS SYSTEM IS NOT RATED FOR IMPACT.
INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.



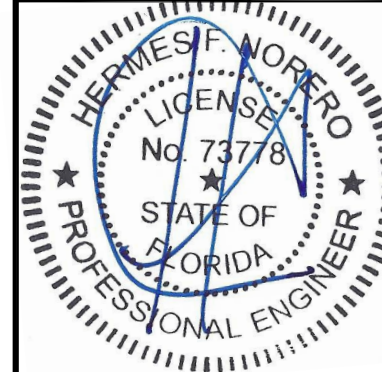
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TITLE: YSD 700
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)
ELEVATION

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2

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TITLE: YSD 700
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)
ELEVATION &
GLAZING DETAIL

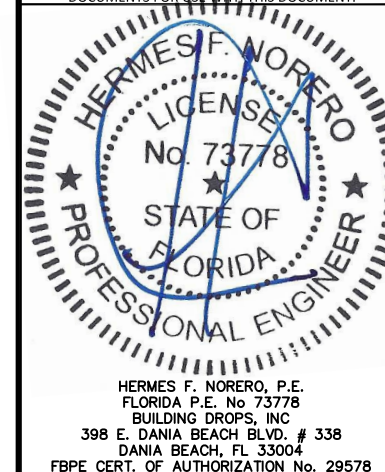


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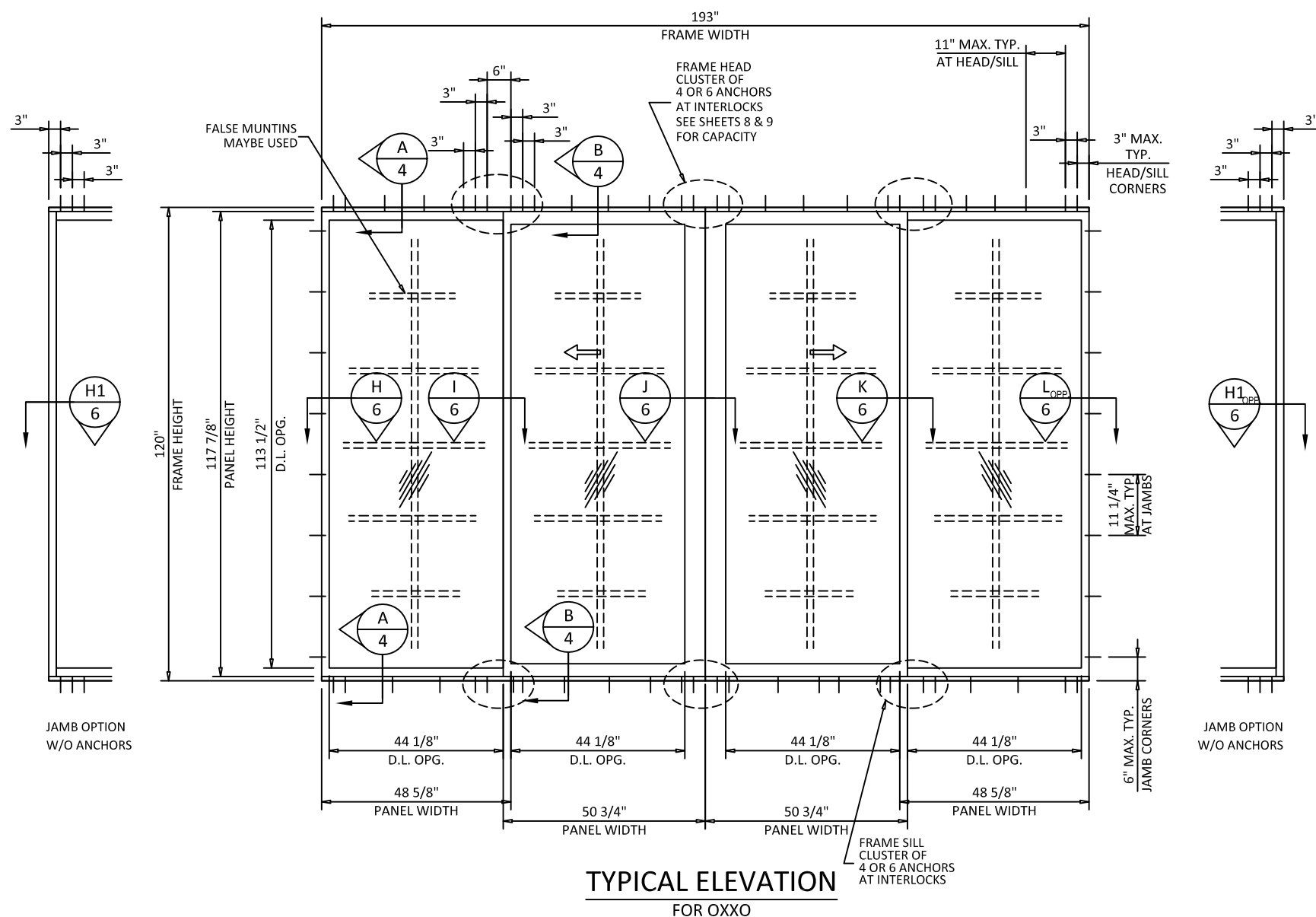
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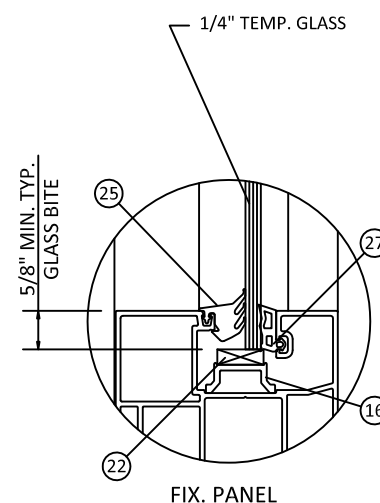
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OF 11

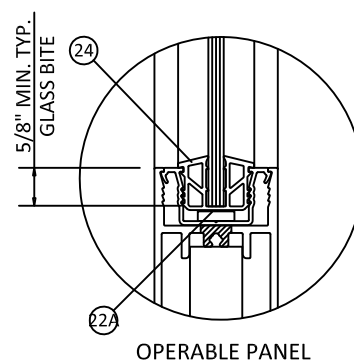


NOTE:

1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) DESIGN PRESSURES HAVE BEEN DETERMINED SIZES OTHER THAN TESTED.
2. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
3. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT $\frac{1}{4}$ SPAN FROM CORNERS AS PER CH 24 OF CURRENT FBC.

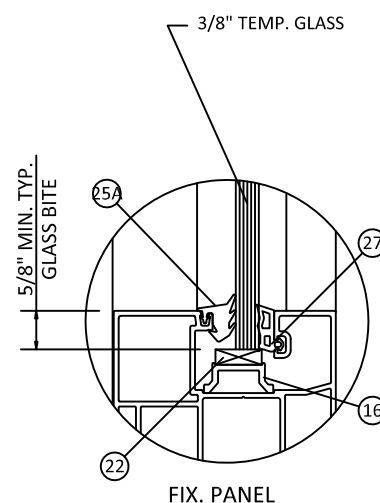


FIX. PANEL



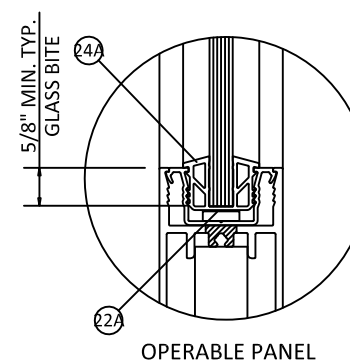
OPERABLE PANEL

GLASS TYPE 'F'



FIX. PANEL

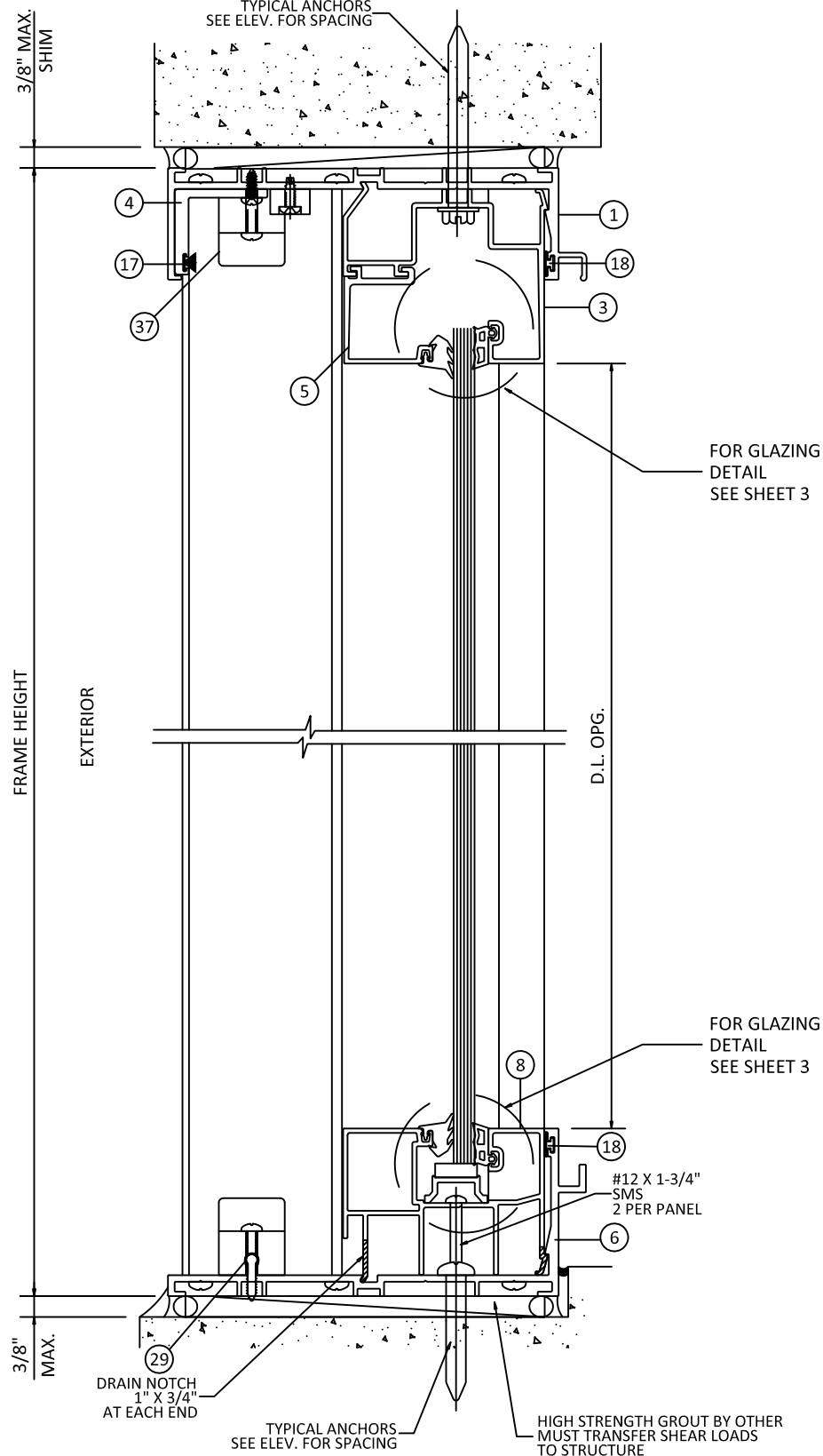
GLASS TYPE 'G'



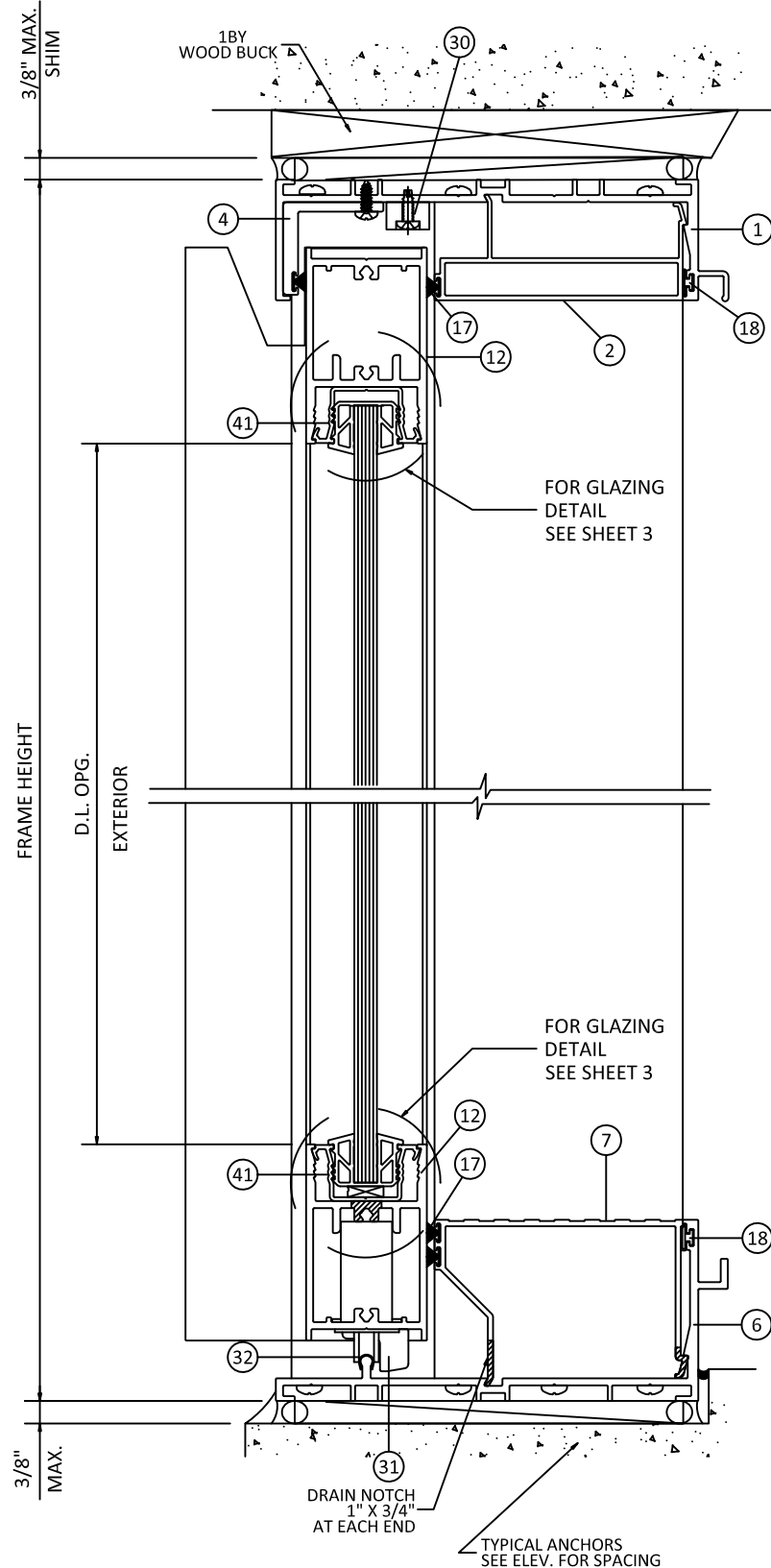
OPERABLE PANEL

DESIGN LOAD CAPACITY - PSF						
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	GLASS TYPE 'F'		GLASS TYPE 'G'		
		EXT. (+)	EXT. (-)	EXT. (+)	EXT. (-)	
30	80 (6)	133.3	192.2	133.3	192.2	
36		133.3	167.9	133.3	167.9	
42		133.3	151.2	133.3	151.2	
48		133.3	139.4	133.3	139.4	
54		133.3	130.9	133.3	130.9	
60		133.3	124.9	133.3	124.9	
64		133.1	122.0	133.1	122.0	
66		131.8	120.8	131.8	120.8	
30	84 (6)	133.3	190.1	133.3	190.1	
36		133.3	165.6	133.3	165.6	
42		133.3	148.7	133.3	148.7	
48		133.3	136.6	133.3	136.6	
54		133.3	127.8	133.3	127.8	
60		132.5	121.4	132.5	121.4	
64		129.0	118.2	129.0	118.2	
66		127.5	116.9	127.5	116.9	
30	90 (6)	133.3	187.4	133.3	187.4	
36		133.3	162.6	133.3	162.6	
42		133.3	145.5	133.3	145.5	
48		133.3	133.1	133.3	133.1	
54		133.3	123.9	133.3	123.9	
60		127.7	117.1	127.7	117.1	
64		123.9	113.6	123.9	113.6	
30		96 (6)	133.3	185.1	133.3	185.1
36	133.3		160.1	133.3	160.1	
42	133.3		142.8	133.3	142.8	
48	133.3		130.1	133.3	130.1	
54	131.7		120.7	131.7	120.7	
60	120.0		113.6	120.0	113.6	
30	102 (6)		133.3	167.8	133.3	167.8
36			133.3	142.0	133.3	142.0
42		133.3	124.0	133.3	124.0	
48		120.9	110.9	120.9	110.9	
54		110.2	101.0	110.2	101.0	
30		108 (6)	133.3	140.8	133.3	140.8
36			129.8	119.0	129.8	119.0
42			113.1	103.7	113.1	103.7
48	100.9		92.5	100.9	92.5	
54	91.7		84.0	91.7	84.0	

() = NO. OF ANCHORS AT DOOR JAMBS



A
4 **VERTICAL SECTION**
FIXED PANEL
STANDARD SILL



B
4 **VERTICAL SECTION**
OPERABLE PANEL
STANDARD SILL



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VERTICAL SECTIONS

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
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BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL8753**

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DWG. BY: **MSS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK237**

SHEET: **4** OF 11



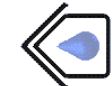
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SLIDING GLASS DOOR
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HORIZONTAL SECTIONS

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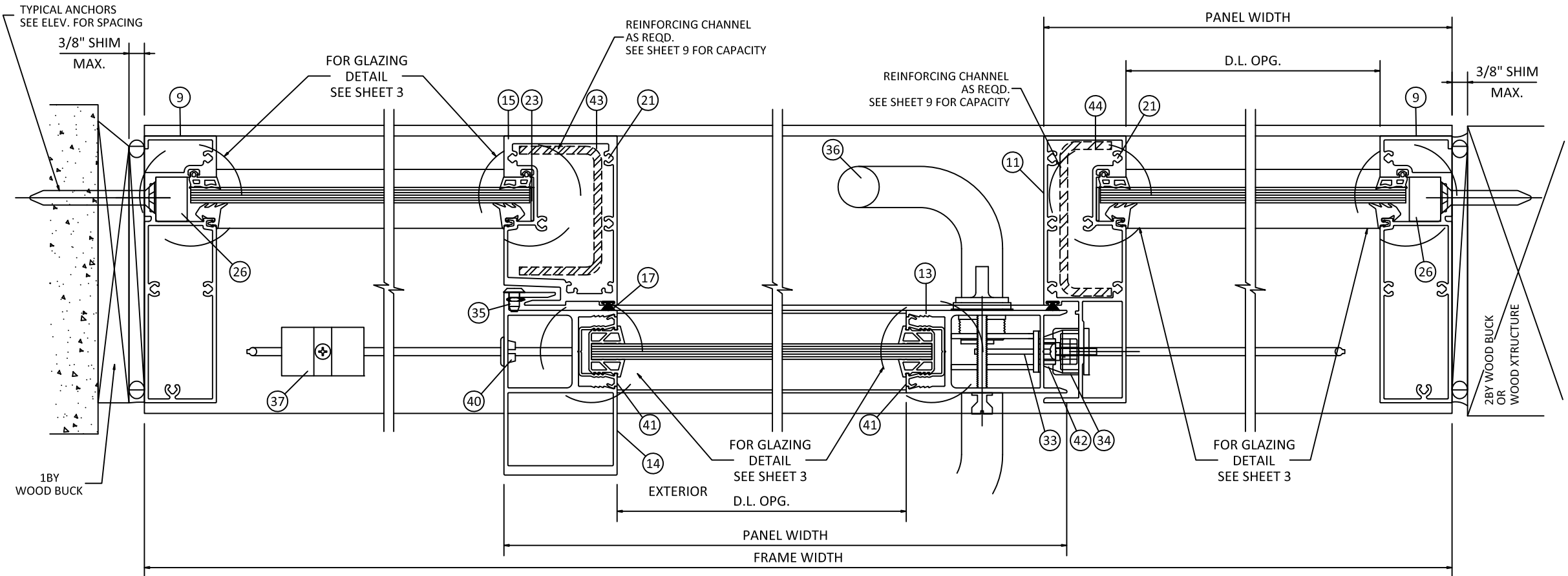
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OF 11

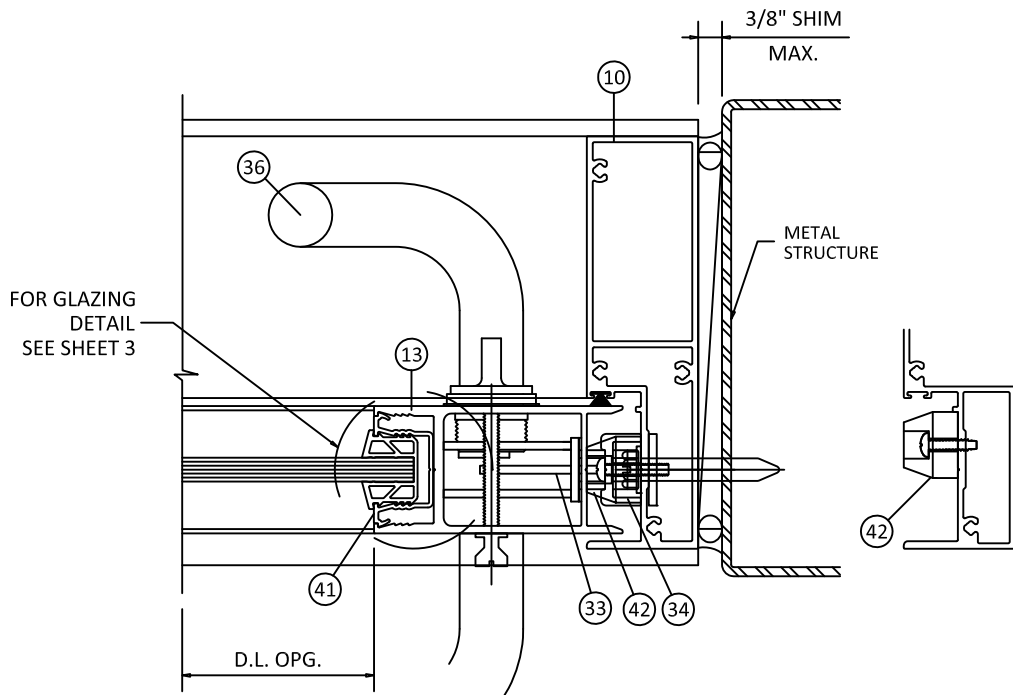


C
5 HORIZONTAL SECTION
JAMB - THROUGH FRAME
FIXED PANEL

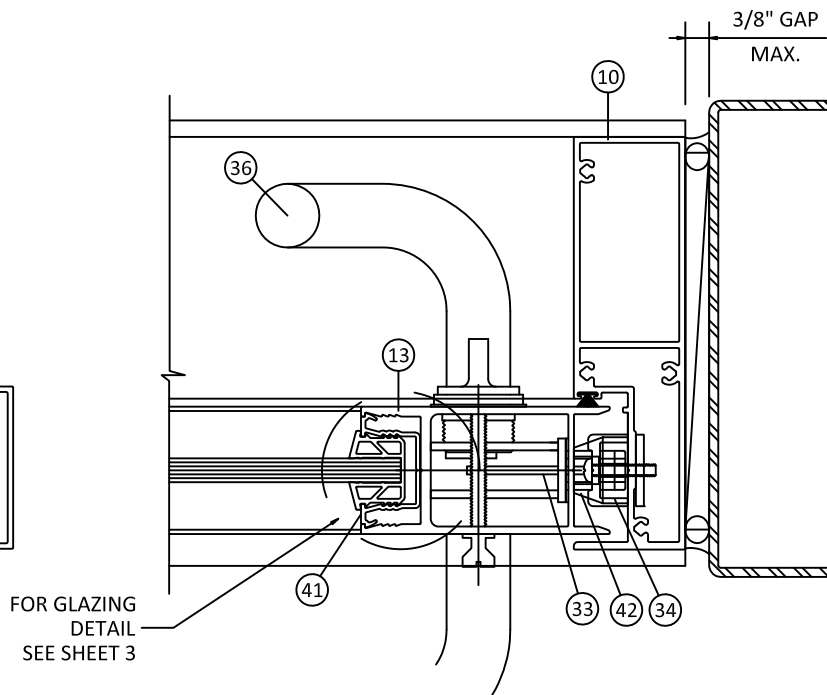
D
5 HORIZONTAL SECTION
INTERLOCK - FIXED TO OPERABLE

E
5 HORIZONTAL SECTION
INTERLOCK - OPERABLE TO FIXED

F
5 HORIZONTAL SECTION
JAMB - THROUGH FRAME
FIXED PANEL



G
5 HORIZONTAL SECTION
JAMB - THROUGH FRAME
OPERABLE PANEL WITH LOCKING HARDWARE



G1
5 HORIZONTAL SECTION
FREE JAMB - THROUGH FRAME
OPERABLE PANEL WITH LOCKING HARDWARE



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HORIZONTAL SECTIONS

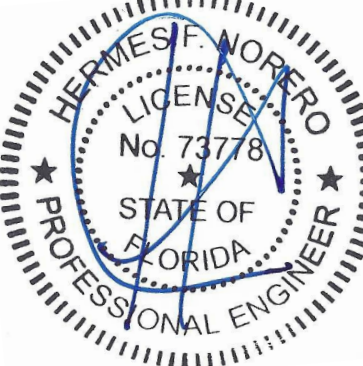
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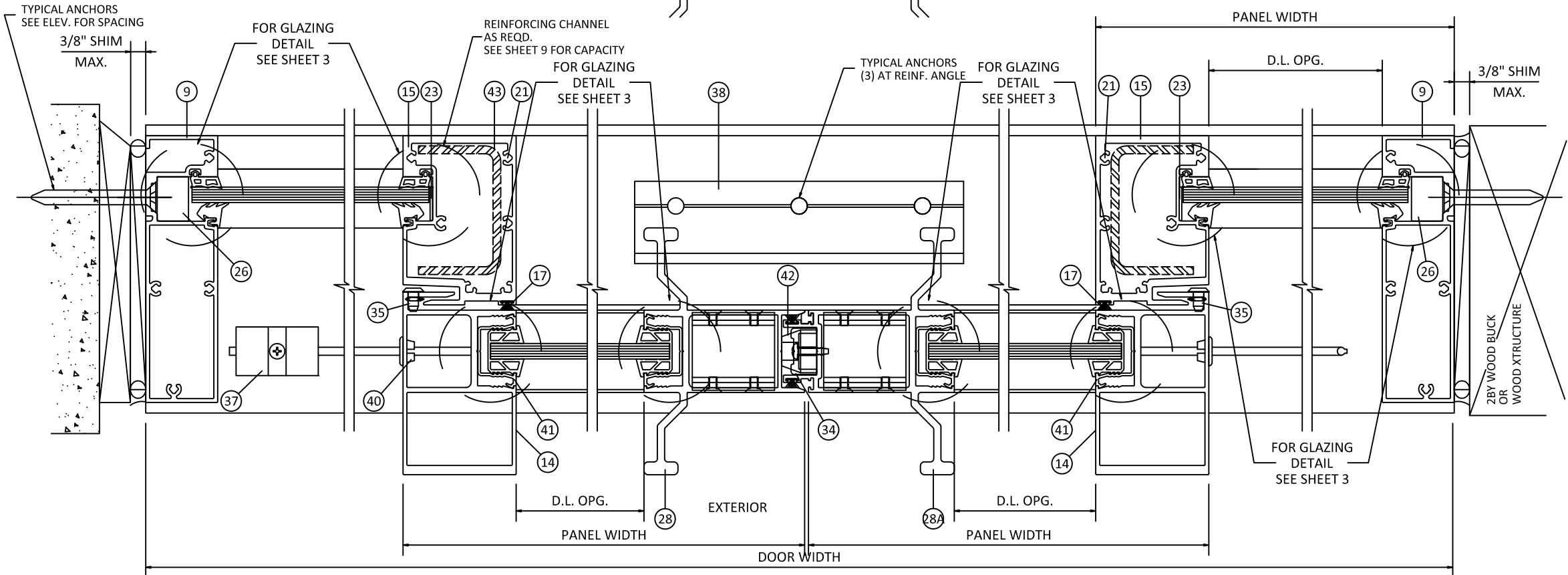
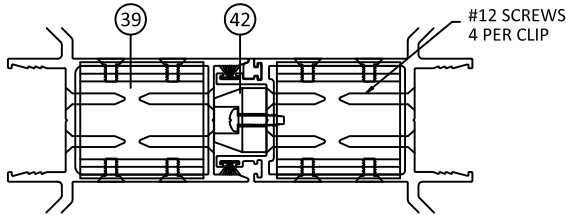
SCALE: NTS

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OF 11



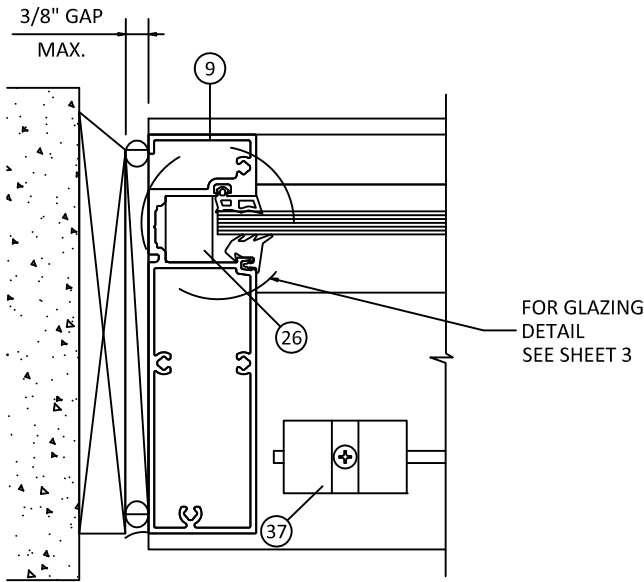
H HORIZONTAL SECTION
8 JAMB - THROUGH FRAME
FIXED PANEL

I HORIZONTAL SECTION
8 INTERLOCK - FIXED TO OPERABLE

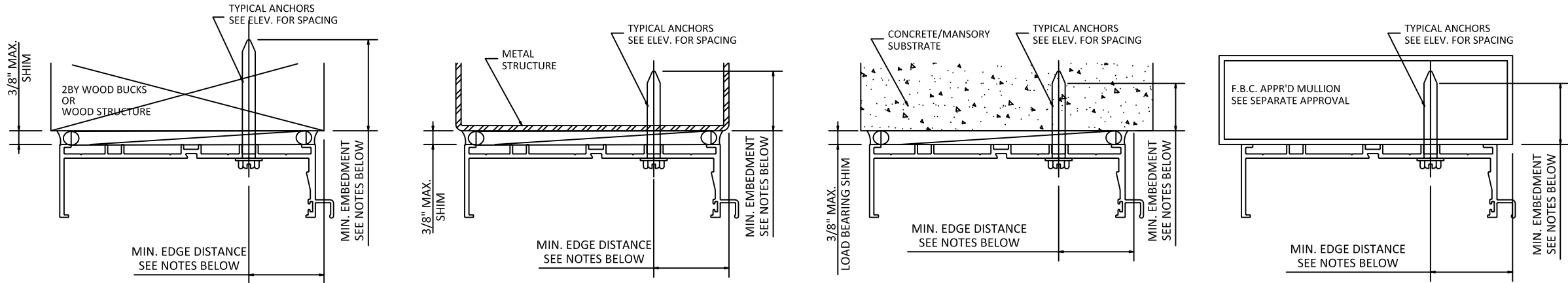
J HORIZONTAL SECTION
8 MEETING STILE

K HORIZONTAL SECTION
8 INTERLOCK
OPERABLE TO FIXED

L HORIZONTAL SECTION
8 JAMB - THROUGH FRAME
FIXED PANEL



H1 HORIZONTAL SECTION
8 FREE JAMB - THROUGH FRAME
FIXED PANEL



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 = 3/4" 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.



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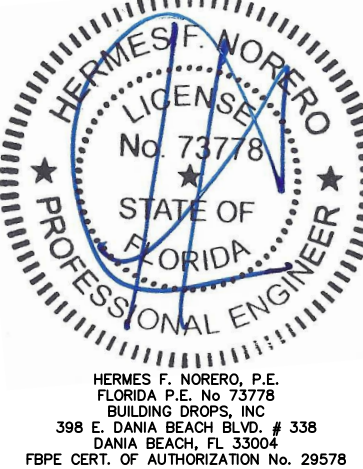
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ANCHOR DETAIL

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7

GLASS TYPE 'F'															
DESIGN LOAD CAPACITY - PSF (DOORS WITHOUT REINFORCING)															
NOMINAL 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	80	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0
36		133.3	135.7	133.3	135.7	133.3	135.7	133.3	135.7	133.3	135.7	133.3	135.7	133.3	135.7
42		122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2
48		112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7
54		105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
60		132.4	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9
64		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
66		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
30	84	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0
36		133.3	133.8	133.3	133.8	133.3	133.8	133.3	133.8	133.3	133.8	133.3	133.8	133.3	133.8
42		120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2
48		110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4
54		103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3	103.3
60		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
30	90	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0	133.3	150.0
36		131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4
42		117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6
48		107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5
54		100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
30	96	133.3	149.5	133.3	149.5	133.3	149.5	133.3	149.5	133.3	149.5	133.3	149.5	133.3	149.5
36		129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4
42		115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4
48		105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
54		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
30	102	133.3	147.9	133.3	147.9	133.3	147.9	133.3	147.9	133.3	147.9	133.3	147.9	133.3	147.9
36		127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
42		112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
48		103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1
30	108	133.3	142.4	133.3	146.5	133.3	146.5	133.3	146.5	133.3	142.4	133.3	146.5	133.3	146.5
36		122.6	122.6	126.0	126.0	126.0	126.0	126.0	126.0	122.6	122.6	126.0	126.0	126.0	126.0
42		105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
48		98.5	98.5	100.0	100.0	100.0	100.0	100.0	100.0	98.5	98.5	100.0	100.0	100.0	100.0
30	114	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2
36		110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7
42		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
30	120	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1
36		94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
42		82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1

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 HAVE BEEN EVALUATED
IN ACCORDANCE WITH CHAPTER 17
FOR UNITS OTHER THAN THE SIZE TESTED.

SEE SHEET 7 FOR DESCRIPTION OF ANCHOR TYPES.
'TYPE A' IN THE CHART INCLUDE THE A1, A2, A3



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

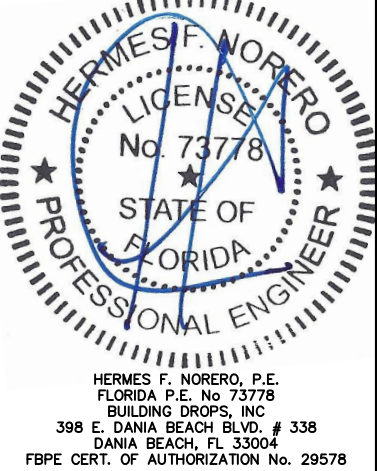
TITLE:
YSD 700
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)
GLAZING CAPACITY

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
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FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:
FL8753

DATE: **06.06.15**

DWG. BY: **MSS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK237**

SHEET:
8

GLASS TYPE 'G'																
DESIGN LOAD CAPACITY - PSF (DOORS WITH REINFORCING)																
NOMINAL 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	80	133.3	180.0	133.3	180.0	133.3	180.0	133.3	180.0	133.3	180.0	133.3	180.0	133.3	180.0	
36		133.3	165.8	133.3	165.8	133.3	165.8	133.3	165.8	133.3	165.8	133.3	165.8	133.3	165.8	
42		124.5	149.3	124.5	149.3	124.5	149.3	124.5	149.3	124.5	149.3	124.5	149.3	124.5	149.3	
48		114.7	137.7	114.7	137.7	114.7	137.7	114.7	137.7	114.7	137.7	114.7	137.7	114.7	137.7	
54		107.8	129.3	107.8	129.3	107.8	129.3	107.8	129.3	107.8	129.3	107.8	129.3	107.8	129.3	
60		102.8	123.4	102.8	123.4	102.8	123.4	102.8	123.4	102.8	123.4	102.8	123.4	102.8	123.4	
64		100.4	120.5	100.4	120.5	100.4	120.5	100.4	120.5	100.4	120.5	100.4	120.5	100.4	120.5	
66		99.4	119.3	99.4	119.3	99.4	119.3	99.4	119.3	99.4	119.3	99.4	119.3	99.4	119.3	
30	84	133.3	180.0	133.3	180.0	133.3	180.0	133.3	180.0	133.3	180.0	133.3	180.0	133.3	180.0	
36		133.3	163.5	133.3	163.5	133.3	163.5	133.3	163.5	133.3	163.5	133.3	163.5	133.3	163.5	
42		122.4	146.9	122.4	146.9	122.4	146.9	122.4	146.9	122.4	146.9	122.4	146.9	122.4	146.9	
48		112.4	134.9	112.4	134.9	112.4	134.9	112.4	134.9	112.4	134.9	112.4	134.9	112.4	134.9	
54		105.2	126.2	105.2	126.2	105.2	126.2	105.2	126.2	105.2	126.2	105.2	126.2	105.2	126.2	
60		99.9	119.9	99.9	119.9	99.9	119.9	99.9	119.9	99.9	119.9	99.9	119.9	99.9	119.9	
66		96.2	115.4	96.2	115.4	96.2	115.4	96.2	115.4	96.2	115.4	96.2	115.4	96.2	115.4	
30		90	133.3	176.5	133.3	180.0	133.3	180.0	133.3	180.0	133.3	176.5	133.3	180.0	133.3	180.0
36	133.3		153.2	133.3	160.6	133.3	160.6	133.3	160.6	133.3	153.2	133.3	160.6	133.3	160.6	
42	119.7		137.1	119.7	143.7	119.7	143.7	119.7	143.7	119.7	137.1	119.7	143.7	119.7	143.7	
48	109.5		125.4	109.5	131.4	109.5	131.4	109.5	131.4	109.5	125.4	109.5	131.4	109.5	131.4	
54	102.0		116.8	102.0	122.4	102.0	122.4	102.0	122.4	102.0	116.8	102.0	122.4	102.0	122.4	
60	96.4		110.3	96.4	115.6	96.4	115.6	96.4	115.6	96.4	110.3	96.4	115.6	96.4	115.6	
30	96		133.3	163.5	133.3	180.0	133.3	180.0	133.3	180.0	133.3	163.5	133.3	180.0	133.3	180.0
36			131.8	141.5	131.8	158.2	131.8	158.2	131.8	158.2	131.8	141.5	131.8	158.2	131.8	158.2
42		117.5	126.1	117.5	141.0	117.5	141.0	117.5	141.0	117.5	126.1	117.5	141.0	117.5	141.0	
48		107.1	114.9	107.1	128.5	107.1	128.5	107.1	128.5	107.1	114.9	107.1	128.5	107.1	128.5	
54		99.3	106.6	99.3	119.2	99.3	119.2	99.3	119.2	99.3	106.6	99.3	119.2	99.3	119.2	
60		93.5	100.3	93.5	112.1	93.5	112.1	93.5	112.1	93.5	100.3	93.5	112.1	93.5	112.1	
30		102	133.3	152.2	133.3	180.0	133.3	180.0	133.3	180.0	133.3	152.2	133.3	180.0	133.3	180.0
36			130.0	131.4	130.0	156.0	130.0	156.0	130.0	156.0	130.0	131.4	130.0	156.0	130.0	156.0
42	115.6		116.8	115.6	138.7	115.6	138.7	115.6	138.7	115.6	116.8	115.6	138.7	115.6	138.7	
48	105.0		106.1	105.0	126.0	105.0	126.0	105.0	126.0	105.0	106.1	105.0	126.0	105.0	126.0	
54	97.1		98.1	97.1	116.5	97.1	116.5	97.1	116.5	97.1	98.1	97.1	116.5	97.1	116.5	
30	108	133.3	142.4	133.3	179.1	133.3	179.1	133.3	179.1	133.3	142.4	133.3	179.1	133.3	179.1	
36		122.6	122.6	128.5	154.2	128.5	154.2	128.5	154.2	122.6	122.6	128.5	154.2	128.5	154.2	
42		108.7	108.7	113.9	136.7	113.9	136.7	113.9	136.7	108.7	108.7	113.9	136.7	113.9	136.7	
48		98.5	98.5	103.3	123.9	103.3	123.9	103.3	123.9	98.5	98.5	103.3	123.9	103.3	123.9	
30		114	133.3	133.7	133.3	177.6	133.3	177.6	133.3	177.6	133.3	133.7	133.3	177.6	133.3	177.6
36	114.9		114.9	127.2	152.6	127.2	152.6	127.2	152.6	114.9	114.9	127.2	152.6	127.2	152.6	
42	101.7		101.7	112.5	135.0	112.5	135.0	112.5	135.0	101.7	101.7	112.5	135.0	112.5	135.0	
48	91.9		91.9	101.7	122.1	101.7	122.1	101.7	122.1	91.9	91.9	101.7	122.1	101.7	122.1	
50	89.3		89.3	98.8	118.5	98.8	118.5	98.8	118.5	89.3	89.3	98.8	118.5	98.8	118.5	
30	120		126.1	126.1	133.3	176.2	133.3	176.2	133.3	176.2	126.1	126.1	133.3	176.2	133.3	176.2
36		108.2	108.2	126.0	151.2	126.0	151.2	126.0	151.2	108.2	108.2	126.0	151.2	126.0	151.2	
42		95.5	95.5	111.3	133.5	111.3	133.5	111.3	133.5	95.5	95.5	111.3	133.5	111.3	133.5	
48		86.2	86.2	100.4	120.5	100.4	120.5	100.4	120.5	86.2	86.2	100.4	120.5	100.4	120.5	

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

NOTE:
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SEE SHEET 7 FOR DESCRIPTION OF ANCHOR TYPES.
'TYPE A' IN THE CHART INCLUDE THE A1, A2, A3



YKK AP America Inc.
1229 HWY 441 BYPASS
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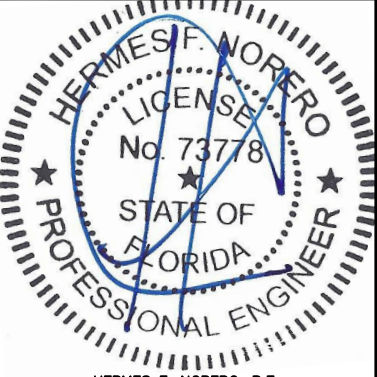
TITLE:
YSD 700
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)
GLAZING CAPACITY

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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DOCUMENTS FOR USE WITH THIS DOCUMENT.



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FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL8753

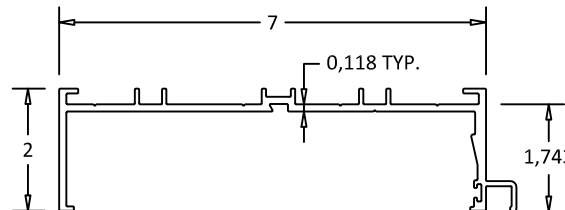
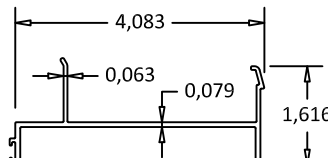
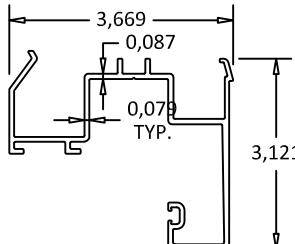
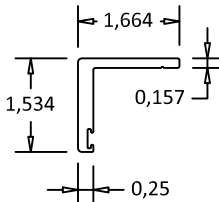
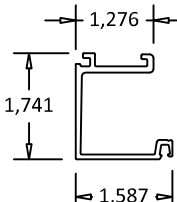
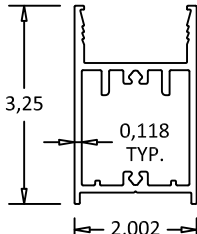
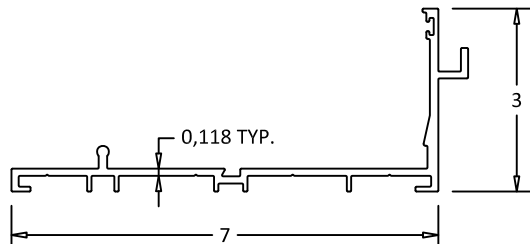
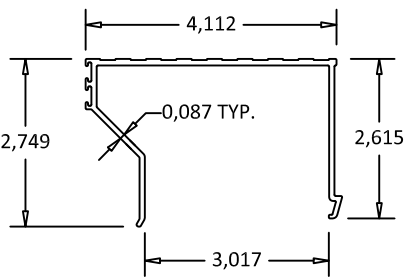
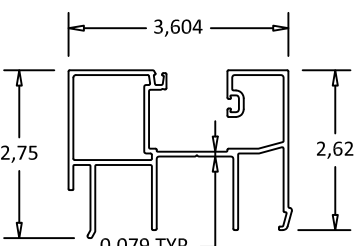
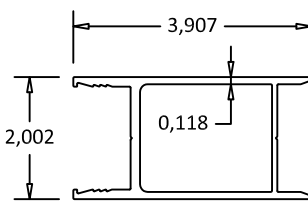
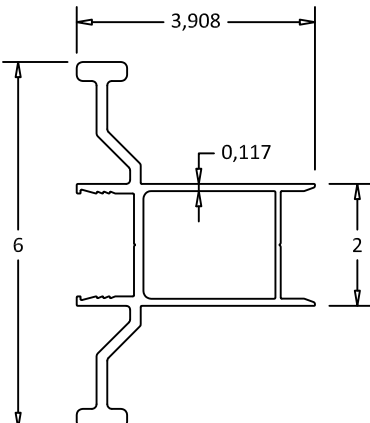
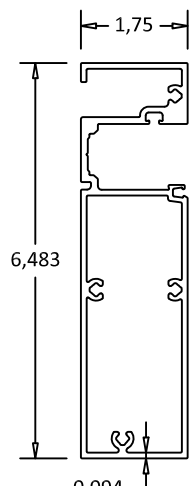
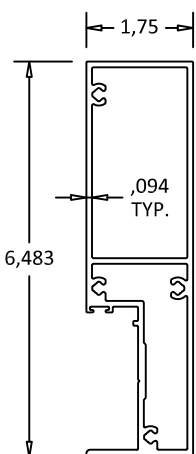
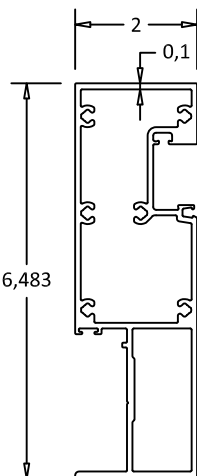
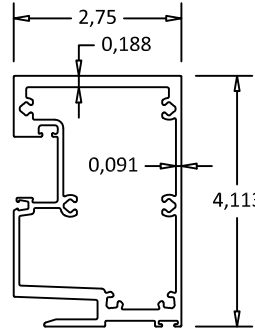
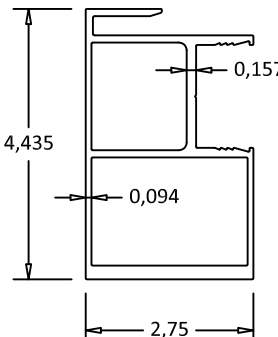
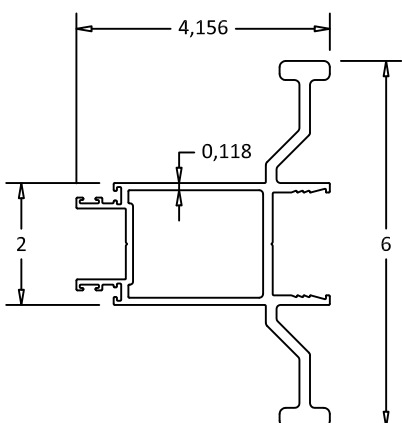
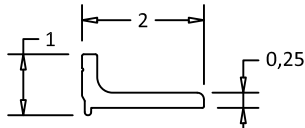
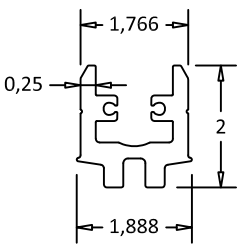
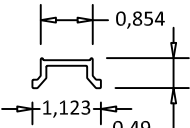
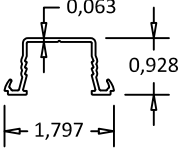
DATE: **06.06.15**

DWG. BY: **MSS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK237**

SHEET:
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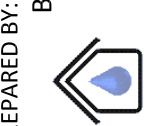
						
① FRAME HEAD	② HEAD ADAPTOR (OPERABLE)	③ HEAD ADAPTOR (FIXED)	④ HEAD ADAPTOR (EXTERIOR)	⑤ GLASS STOP (HEAD)	⑫ TOP & BOTTOM RAIL	
						
⑥ FRAME SILL	⑦ SILL ADAPTOR (OPERABLE)	⑧ SILL ADAPTOR (FIXED)	⑬ JAMB STILE	⑫ FEMALE LOCK STILE		
						
⑨ FRAME JAMB (FIXED)	⑩ FRAME JAMB (OPERABLE)	⑪ MEETING STILE	⑮ INTERLOCK (FIXED)	⑭ INTERLOCK (OPERABLE)		
						
③⑧ REINFORCING ANGLE	③⑨ REINFORCING CLIP	①⑥ SETTING BLOCK CHAIR	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
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)

COMPONENTS



PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL8753

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MSS

CHK. BY:
HFN

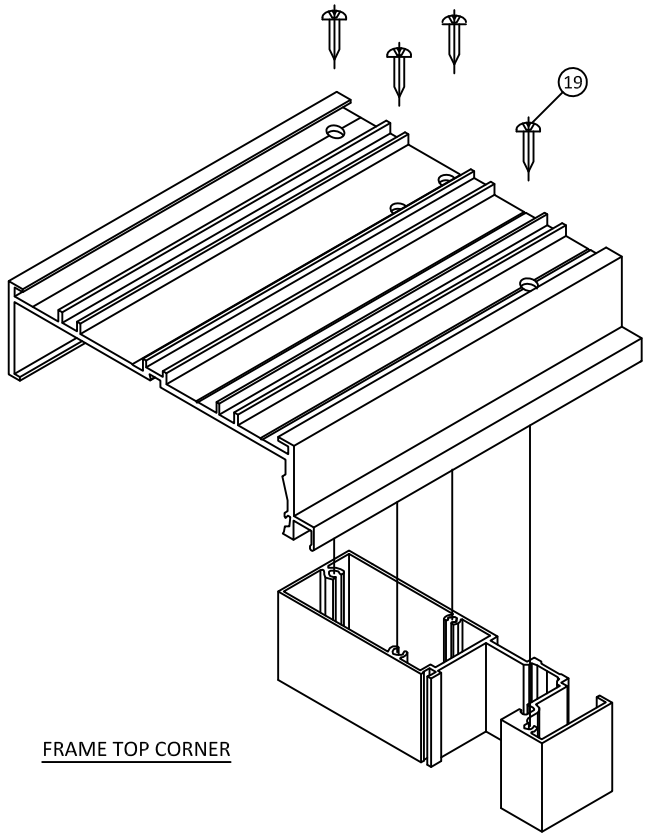
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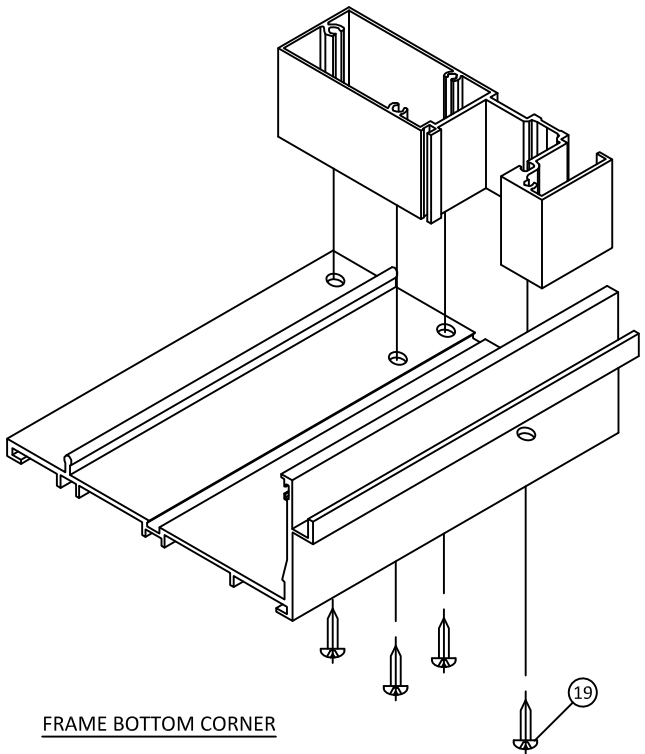
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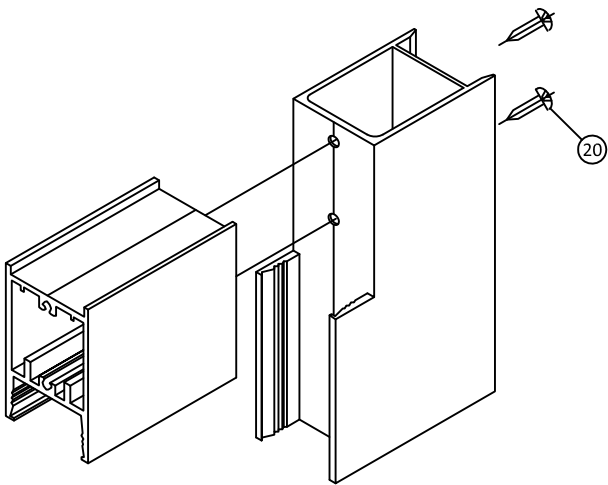
OF 11



FRAME TOP CORNER



FRAME BOTTOM CORNER



PANEL TOP/ BOTTOM CORNER

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.	FRAME JAMB (FIXED)	6063-T5	YKK AP AMERICA
10	E9-6135	1	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	POLYPROPYLENE	
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	E2-0738	AS REQD.	SETTING BLOCK/SIDE BLOCK	EPDM -	
23	E2-0739	AS REQD.	SIDE BLOCK (MODIFIED)	EPDM -	
24	E2-0736	AS REQD.	OPER. PANEL GLAZING GASKET	EPDM	1/4" GLASS
24A	E2-0735	AS REQD.	OPER. PANEL GLAZING GASKET	EPDM	3/8" GLASS
25	E2-0081	AS REQD.	FIX. PANEL GLAZING GASKET	EPDM	1/4" GLASS
25A	E2-0090	AS REQD.	FIX. PANEL GLAZING GASKET	EPDM	3/8" GLASS
26	E2-0546	-	OPER. PANEL GLAZING SPACER	EPDM -	
27	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 OXXO DOORS ONLY
39	E1-1622	AS REQD.	REINFORCING CLIP AT SILL LOCATION	6063-T5	AT OXXO DOORS ONLY
40	K3-3004	-	FILLER BUTTONS	POLYETHYLENE	
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.



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YSD 700
SLIDING GLASS DOOR
(HVHZ) (NON-IMPACT)
BILL OF MATERIAL &
ASSEMBLY DETAIL

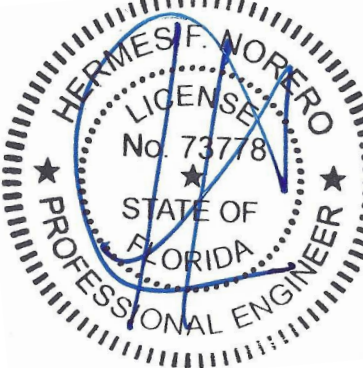
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OF 11