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LA FINESTRA, LC

EVOLUTION SLIDING GLASS DOOR

(HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- ASTM E283-19
 - ASTM E331-00(16)
 - ASTM E330-14
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. DOOR FRAME MATERIAL: ALUMINUM (6063-T6)
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.
9. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.

DESIGN RATING				
PANEL SIZE		CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
SEE SHEET 4		SEE SHEET 2	SEE SHEET 4	LARGE AND SMALL IMPACT RATING

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
7. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

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10	ANCHOR DETAILS AND SCHEDULE
11	BILL OF MATERIALS AND COMPONENTS



2790 NW 104TH COURT
DORAL, FL 33172
PH: (305) 599-8093

TITLE:
EVOLUTION SLIDING GLASS DOOR
(HVHZ) (IMPACT)

GENERAL NOTES AND
INSTALLATION NOTES

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
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, P.E.
Reason: I am approving this document
Date: 2025.08.15 14:55:17 -04'00'

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

FL #:

FL47761

DATE:

08.15.2025

DWG. BY:

FB

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

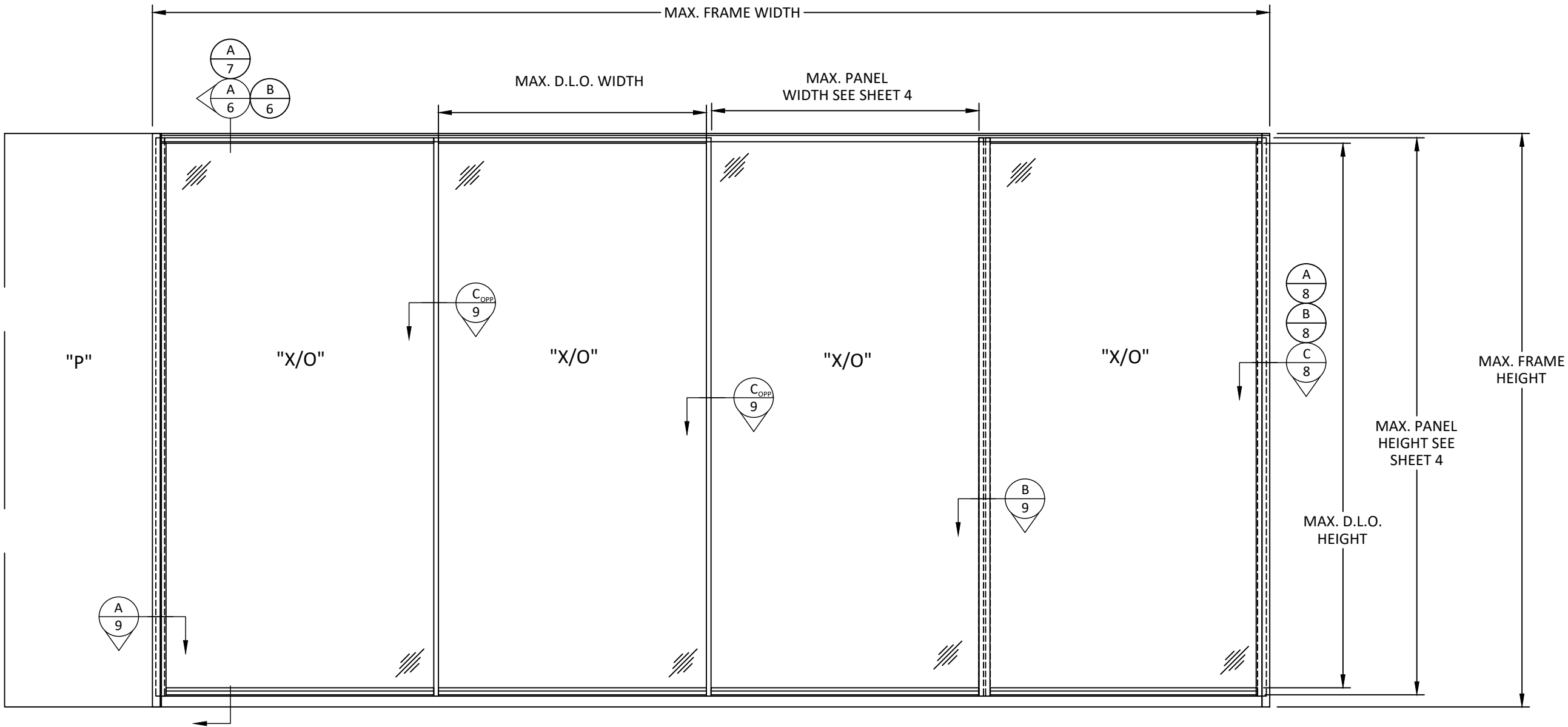
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SHEET:

1

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TYP. ELEVATION
SLIDING GLASS DOOR

- NOTE:
- FRAME WIDTH = NUMBER OF PANELS X PANELS WIDTH
 - PANEL HEIGHT = FRAME HEIGHT - 3.0625"
 - MAX. D.L.O WIDTH = PANEL WIDTH - 2.50"
 - MAX. D.L.O HEIGHT = PANEL HEIGHT - 6.75"

- APPROVED CONFIGURATIONS:
2 PANEL - OX, XO, XX
3 PANEL - OOX, XOO, XOX, OXO, XXO, OXX, XXX
4 PANEL - OXXO, OXXX, XXXO, XXOO, XOOX, OOOX, XXXX
- POCKETS ARE QUALIFIED ON ANY CONFIGURATION.
- POCKETS ARE QUALIFIED FOR INSTALLATION ON EITHER SIDE OF THE SYSTEM. POCKETS ARE QUALIFIED TO BE USED ON BOTH SIDE AT THE SAME TIME.



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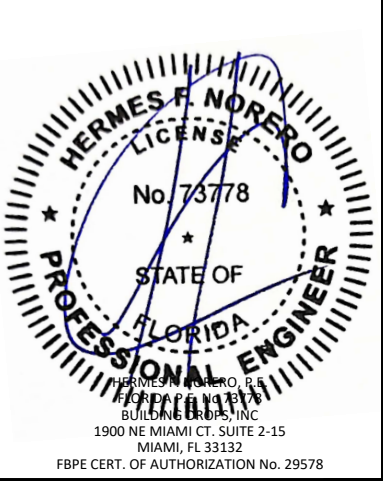
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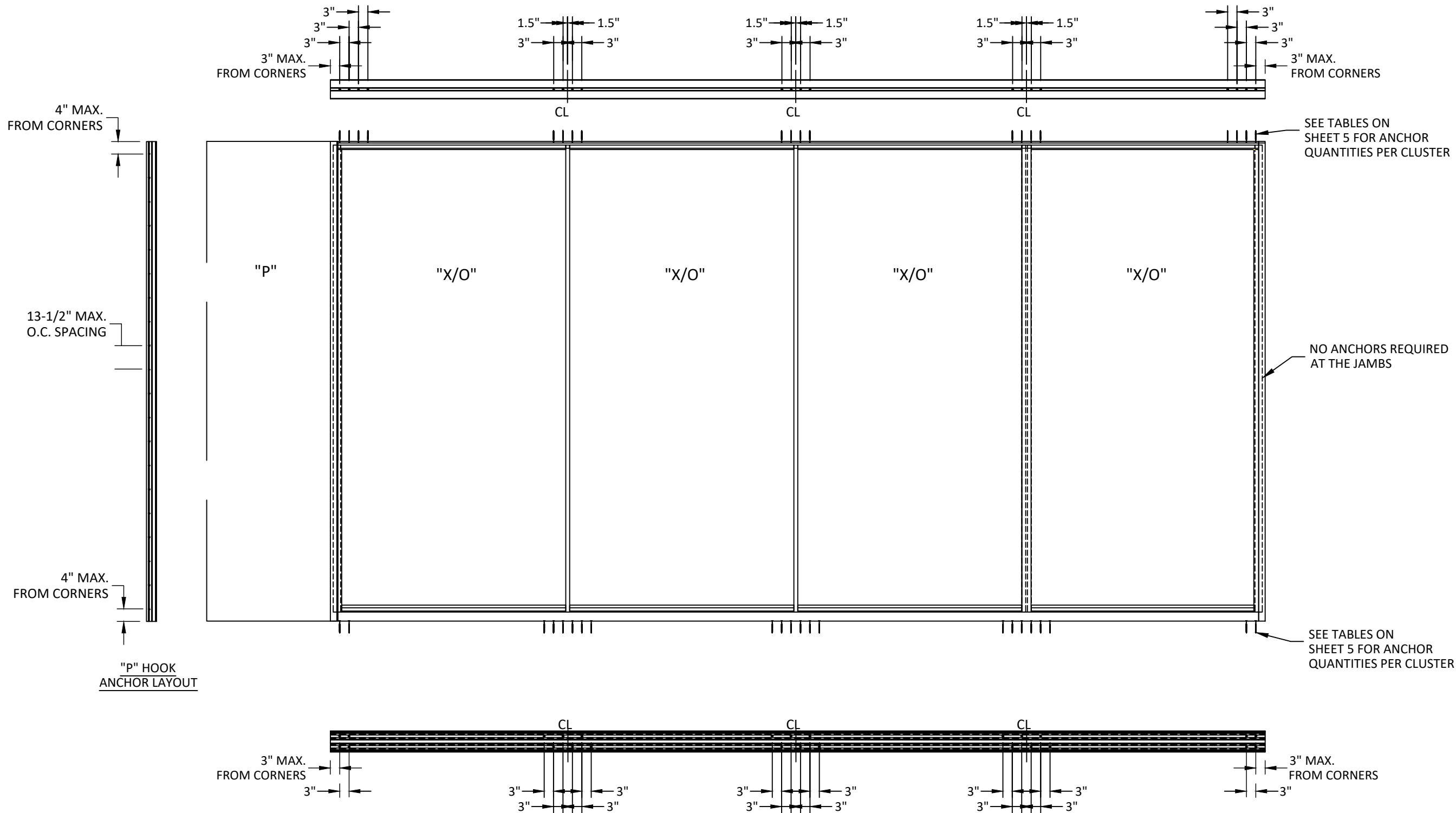
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ANCHOR LAYOUT
THROUGH FRAME INSTALLATION



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DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)		
36	96	55	60
42		55	60
48		55	60
54		55	60
60		55	60
66		55	60
72		55	60
78		51	55
84		47	51
90		44	48
96		41	45
102	102	41	45
108		41	45
36		55	60
42		55	60
48		55	60
54		55	60
60		55	60
66		55	60
72		55	60
78		51	55
84		47	51
90		44	48
96		41	45
102	108	39	42
36		55	60
42		55	60
48		55	60
54		55	60
60		55	60
66		55	60
72		55	60
78		51	55
84		47	51
90		44	48
96		41	45

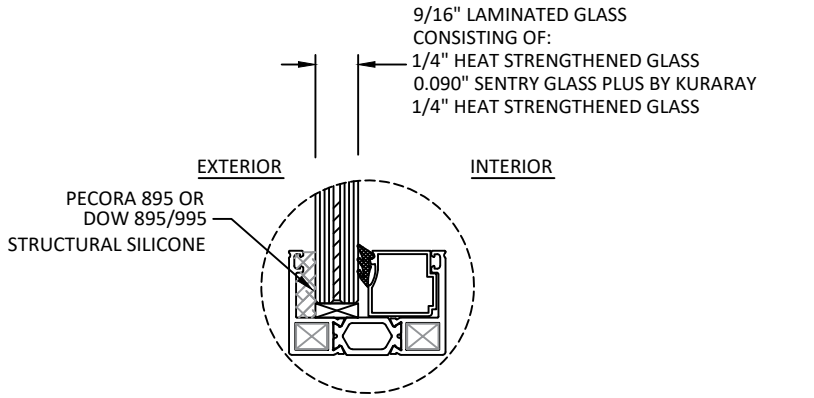
DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)		
36	114	55	60
42		55	60
48		55	60
54		55	60
60		55	60
66		55	60
72		55	60
78		51	55
84		47	51
90		44	48
96	120	41	45
102		41	45
108		41	45
36		55	60
42		55	60
48		55	60
54		55	60
60		55	60
66		55	60
72		55	60
78		51	55
84		47	51
90	126	44	48
96		41	45
102		39	42
108		36	40
36		55	60
42		55	60
48		55	60
54		55	60
60		55	60
66		55	60
72		55	60
78		51	55
84		47	51

NOTE:

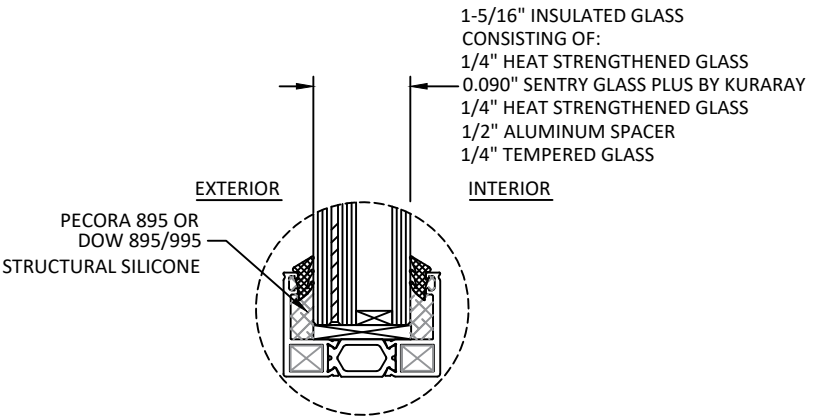
- TABLES SHOWN ARE APPLICABLE TO ALL GLASS TYPES SHOWN ON GLAZING DETAILS 1, 2, AND 3
- TABLES ARE EVALUATED BASED ON PANEL DIMENSIONS, FOR FRAME AND D.L.O. DIMENSIONS SEE NOTE ON SHEET 2.

DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)		
36	132	55	60
42		55	60
48		55	60
54		55	60
60		55	60
66		55	60
72		55	60
78		51	55
84		47	51
90		44	48
96	138	41	45
102		41	45
108		41	45
36		55	60
42		55	60
48		55	60
54		55	60
60		55	60
66		55	60
72		55	60
78	144	51	55
84		47	51
90		44	48
96		41	45
102		39	42
108		36	40
36		55	60
42		55	60
48		55	60
54		55	60
60	151	55	60
66		55	60
72		55	60
78		55	60
84		51	55
90		47	51
96		44	48
102		41	45
108		39	42
114		36	40

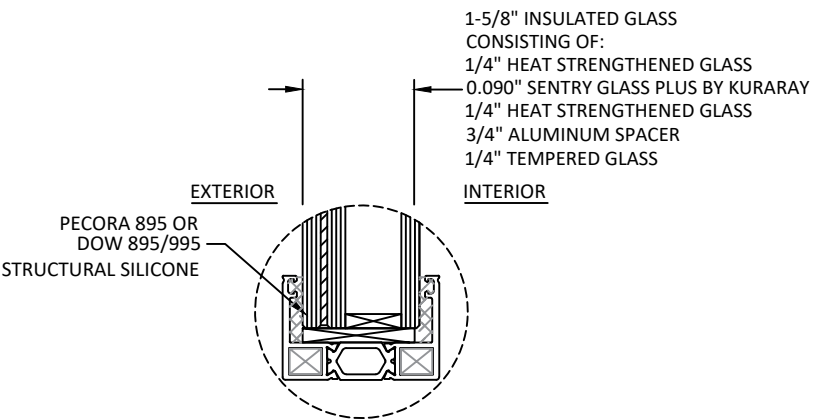
- GLAZING NOTES:
1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



GLAZING DETAIL 1



GLAZING DETAIL 2



GLAZING DETAIL 3



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DESIGN PRESSURE TABLES AND
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ANCHOR TABLE (PSF)						
UNIT DIMENSIONS		QUANTITY OF ANCHORS PER CLUSTER				
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)	4	6	8	10	12
36	96	60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0
48		57.9	60.0	60.0	60.0	60.0
54		53.7	60.0	60.0	60.0	60.0
60		50.5	60.0	60.0	60.0	60.0
66		48.1	60.0	60.0	60.0	60.0
72		46.3	60.0	60.0	60.0	60.0
78		45.0	60.0	60.0	60.0	60.0
84		44.1	60.0	60.0	60.0	60.0
90		43.6	60.0	60.0	60.0	60.0
96	102	43.4	60.0	60.0	60.0	60.0
102		43.6	60.0	60.0	60.0	60.0
108		44.1	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0
42		58.8	60.0	60.0	60.0	60.0
48		53.4	60.0	60.0	60.0	60.0
54		49.4	60.0	60.0	60.0	60.0
60		46.3	60.0	60.0	60.0	60.0
66		43.9	60.0	60.0	60.0	60.0
72		42.1	60.0	60.0	60.0	60.0
78	108	40.7	60.0	60.0	60.0	60.0
84		39.7	59.5	60.0	60.0	60.0
90		39.0	58.5	60.0	60.0	60.0
96		38.6	57.9	60.0	60.0	60.0
102		38.4	57.7	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0
42		54.7	60.0	60.0	60.0	60.0
48		49.6	60.0	60.0	60.0	60.0
54		45.7	60.0	60.0	60.0	60.0
60		42.7	60.0	60.0	60.0	60.0
66	108	40.4	60.0	60.0	60.0	60.0
72		38.6	57.9	60.0	60.0	60.0
78		37.2	55.7	60.0	60.0	60.0
84		36.1	54.1	60.0	60.0	60.0
90	108	35.3	52.9	60.0	60.0	60.0
96		34.7	52.1	60.0	60.0	60.0

ANCHOR TABLE (PSF)						
UNIT DIMENSIONS		QUANTITY OF ANCHORS PER CLUSTER				
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)	4	6	8	10	12
36	114	57.9	60.0	60.0	60.0	60.0
42		51.2	60.0	60.0	60.0	60.0
48		46.3	60.0	60.0	60.0	60.0
54		42.6	60.0	60.0	60.0	60.0
60		39.7	59.5	60.0	60.0	60.0
66		37.4	56.1	60.0	60.0	60.0
72		35.6	53.4	60.0	60.0	60.0
78		34.2	51.3	60.0	60.0	60.0
84		33.1	49.6	60.0	60.0	60.0
90		32.2	48.3	60.0	60.0	60.0
36	120	54.5	60.0	60.0	60.0	60.0
42		48.1	60.0	60.0	60.0	60.0
48		43.4	60.0	60.0	60.0	60.0
54		39.8	59.7	60.0	60.0	60.0
60		37.0	55.5	60.0	60.0	60.0
66		34.8	52.2	60.0	60.0	60.0
72		33.1	49.6	60.0	60.0	60.0
78		31.6	47.5	60.0	60.0	60.0
84		30.5	45.8	60.0	60.0	60.0
90		29.6	44.4	59.2	60.0	60.0
36	126	51.4	60.0	60.0	60.0	60.0
42		45.3	60.0	60.0	60.0	60.0
48		40.8	60.0	60.0	60.0	60.0
54		37.4	56.1	60.0	60.0	60.0
60		34.7	52.1	60.0	60.0	60.0
66		32.6	48.9	60.0	60.0	60.0
72		30.9	46.3	60.0	60.0	60.0
78		29.5	44.2	58.9	60.0	60.0
84		28.3	42.5	56.7	60.0	60.0

- NOTE:
- FOR PANELS WITH WIDTHS GREATER THAN 60" ADD A CLUSTER OF (4) ANCHORS AT PANEL MIDSPANS. ANCHOR CLUSTER CENTER TO CENTER DISTANCE NOT TO EXCEED 48"
 - SEE SHEET 10 FOR ANCHOR SCHEDULE AND ANCHORING DETAILS.

ANCHOR TABLE (PSF)						
UNIT DIMENSIONS		QUANTITY OF ANCHORS PER CLUSTER				
PANEL WIDTH (IN.)	PANEL HEIGHT (IN.)	4	6	8	10	12
36	132	48.7	60.0	60.0	60.0	60.0
42		42.9	60.0	60.0	60.0	60.0
48		38.6	57.9	60.0	60.0	60.0
54		35.3	52.9	60.0	60.0	60.0
60		32.7	49.0	60.0	60.0	60.0
66		30.6	45.9	60.0	60.0	60.0
72		28.9	43.4	57.9	60.0	60.0
78		27.6	41.3	55.1	60.0	60.0
36	138	46.3	60.0	60.0	60.0	60.0
42		40.7	60.0	60.0	60.0	60.0
48		36.5	54.8	60.0	60.0	60.0
54		33.4	50.0	60.0	60.0	60.0
60		30.9	46.3	60.0	60.0	60.0
66		28.9	43.3	57.7	60.0	60.0
72		27.2	40.8	54.5	60.0	60.0
78		25.9	38.8	51.8	60.0	60.0
36	144	44.1	60.0	60.0	60.0	60.0
42		38.7	58.1	60.0	60.0	60.0
48		34.7	52.1	60.0	60.0	60.0
54		31.6	47.5	60.0	60.0	60.0
60		29.2	43.8	58.5	60.0	60.0
66		27.3	40.9	54.6	60.0	60.0
72		25.7	38.6	51.4	60.0	60.0
36	151	41.8	60.0	60.0	60.0	60.0
42		36.6	54.9	60.0	60.0	60.0
48		32.8	49.2	60.0	60.0	60.0
54		29.9	44.8	59.7	60.0	60.0
60		27.5	41.3	55.1	60.0	60.0
66		25.7	38.5	51.3	60.0	60.0
72		24.1	36.2	48.3	60.0	60.0



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EVOLUTION SLIDING GLASS DOOR
(HVHZ) (IMPACT)
ANCHOR CLUSTER TABLES

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BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL47761

DATE: **08.15.2025**

DWG. BY:
FB

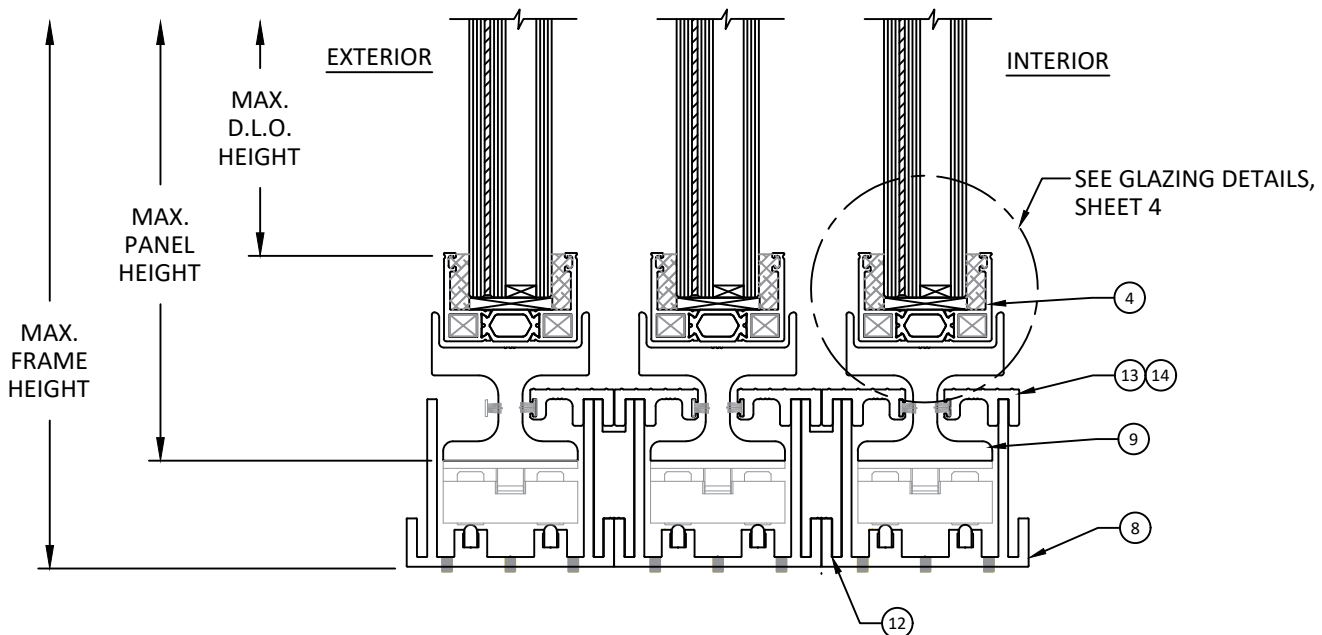
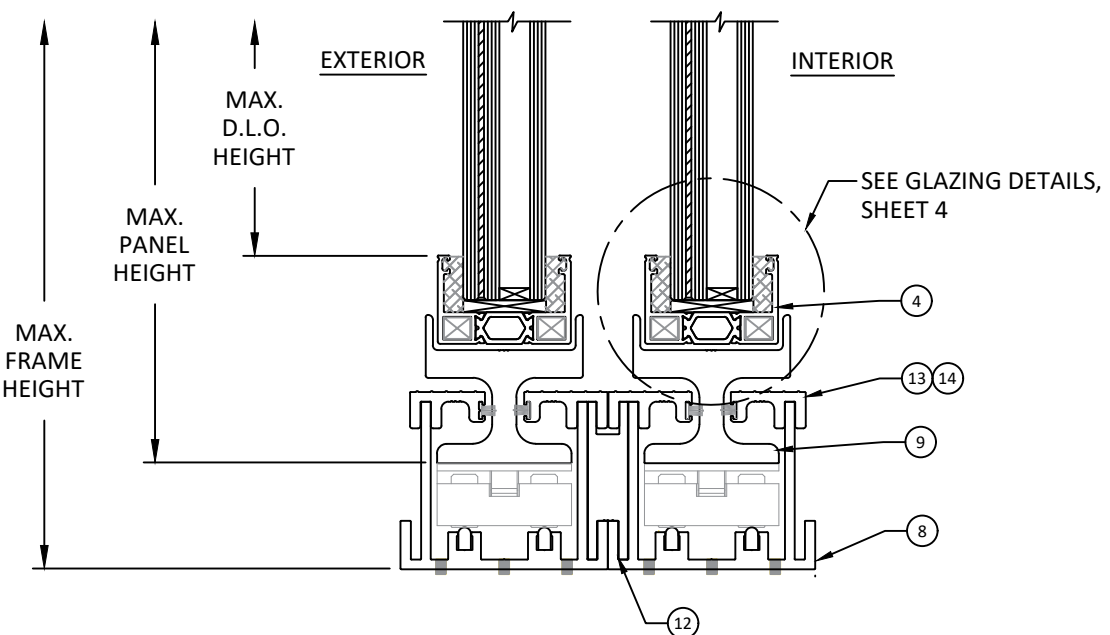
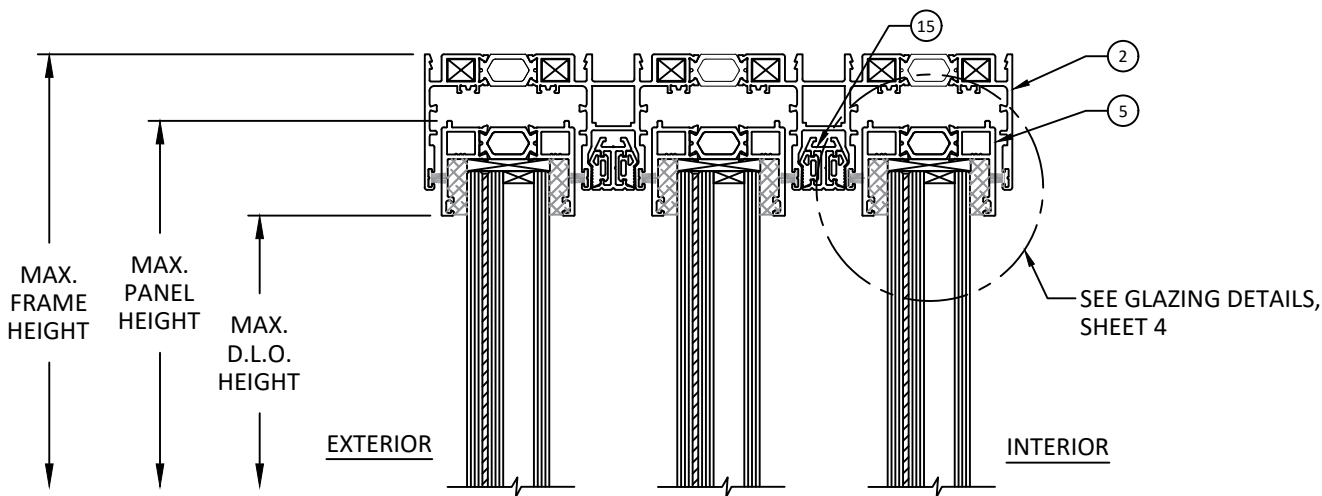
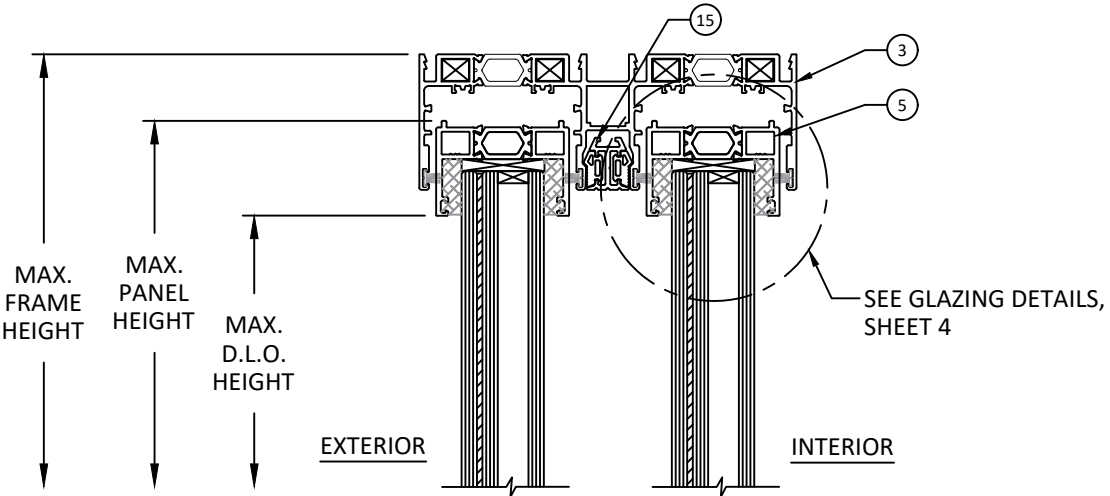
CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **LFT014**

SHEET:
5
OF 11

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A
6 VERTICAL SECTION
TYP. HEAD/SILL

B
6 VERTICAL SECTION
TYP. HEAD/SILL



2790 NW 104TH COURT
DORAL, FL 33172
PH: (305) 599-8093

TITLE:
EVOLUTION SLIDING GLASS DOOR
(HVHZ) (IMPACT)

VERTICAL SECTIONS

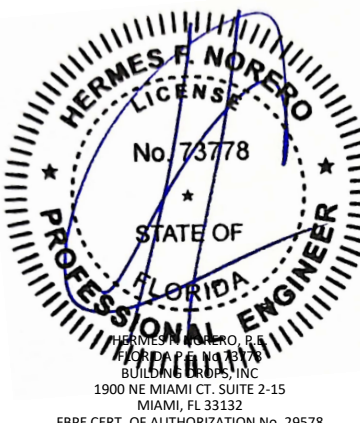
PREPARED BY:
BUILDING DROPS, INC.

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



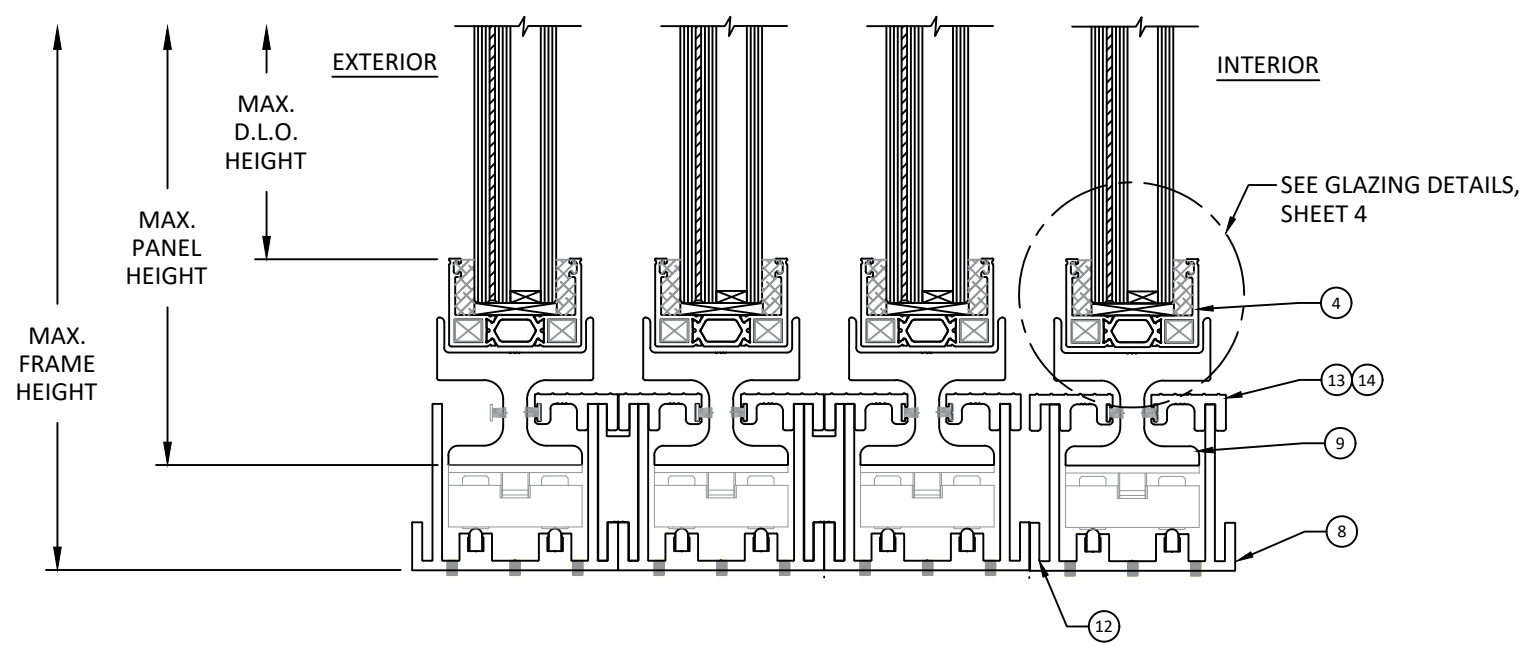
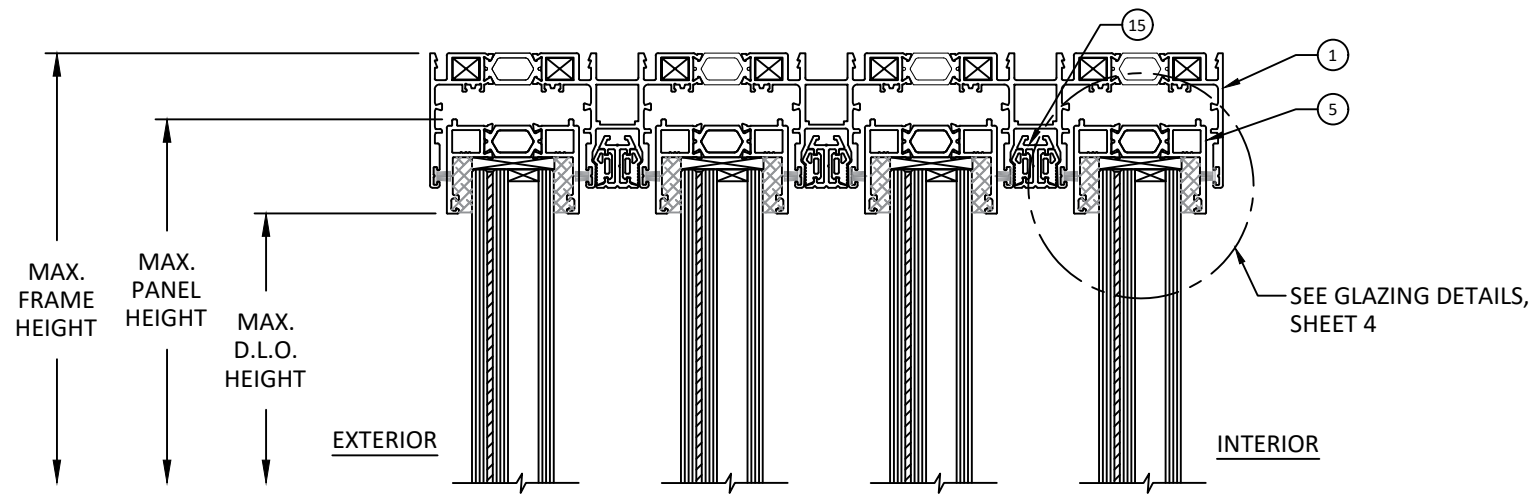
REMARKS	BY	DATE

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A
7

VERTICAL SECTION

TYP. HEAD/SILL



2790 NW 104TH COURT
DORAL, FL 33172
PH: (305) 599-8093

TITLE:

EVOLUTION SLIDING GLASS DOOR
(HVHZ) (IMPACT)

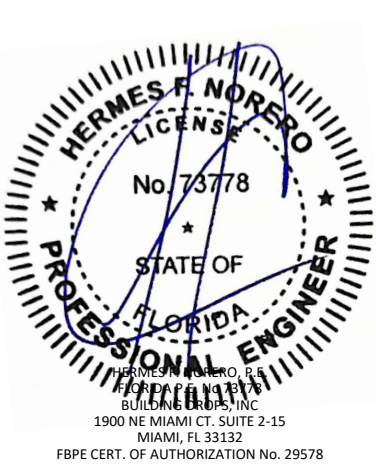
VERTICAL SECTION

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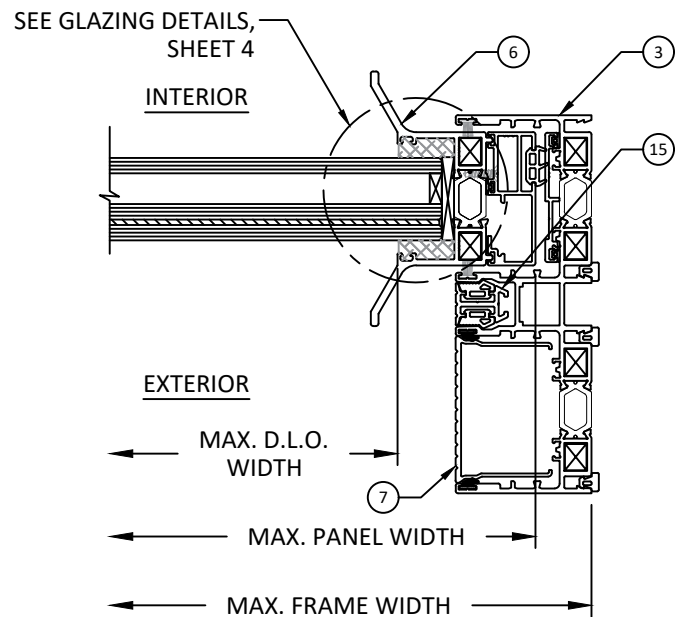
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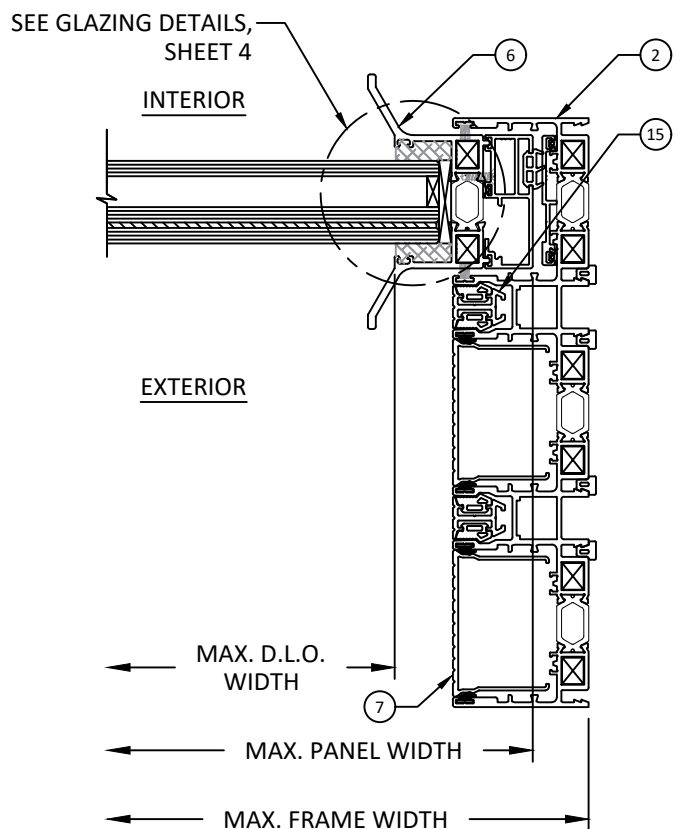
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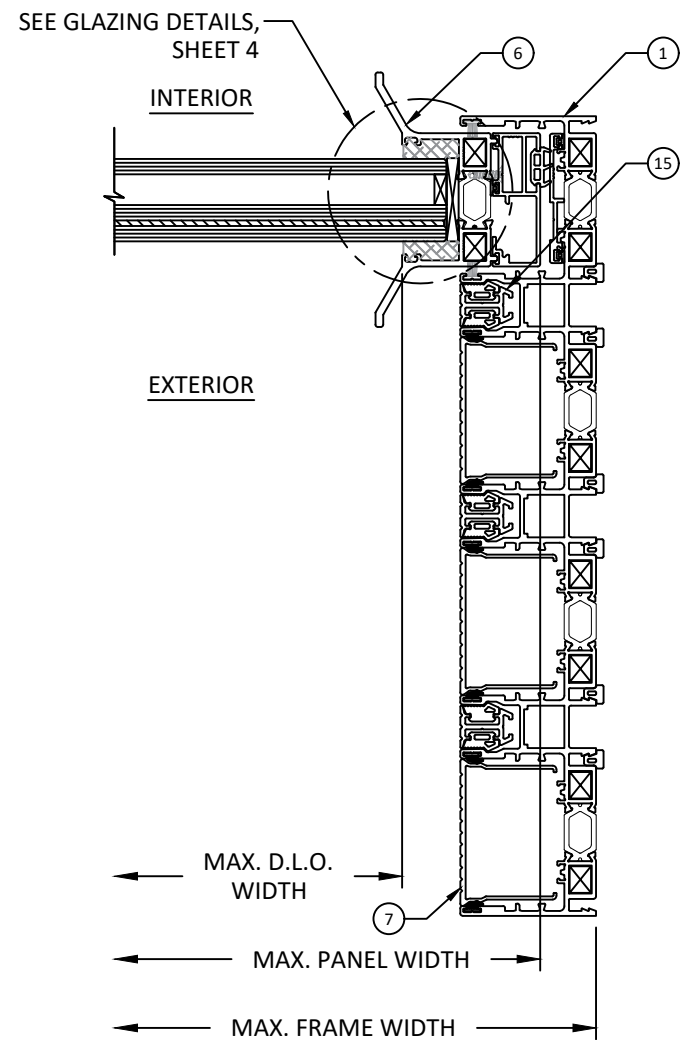
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A
8 HORIZONTAL SECTION
TYP. JAMB



B
8 HORIZONTAL SECTION
TYP. JAMB



C
8 HORIZONTAL SECTION
TYP. JAMB



2790 NW 104TH COURT
DORAL, FL 33172
PH: (305) 599-8093

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EVOLUTION SLIDING GLASS DOOR
(HVHZ) (IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:

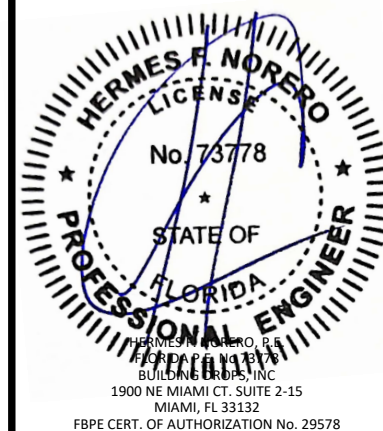
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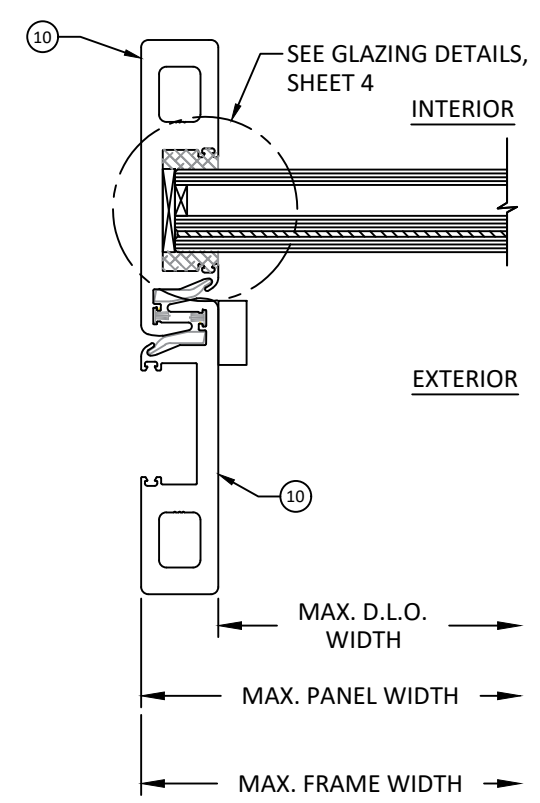
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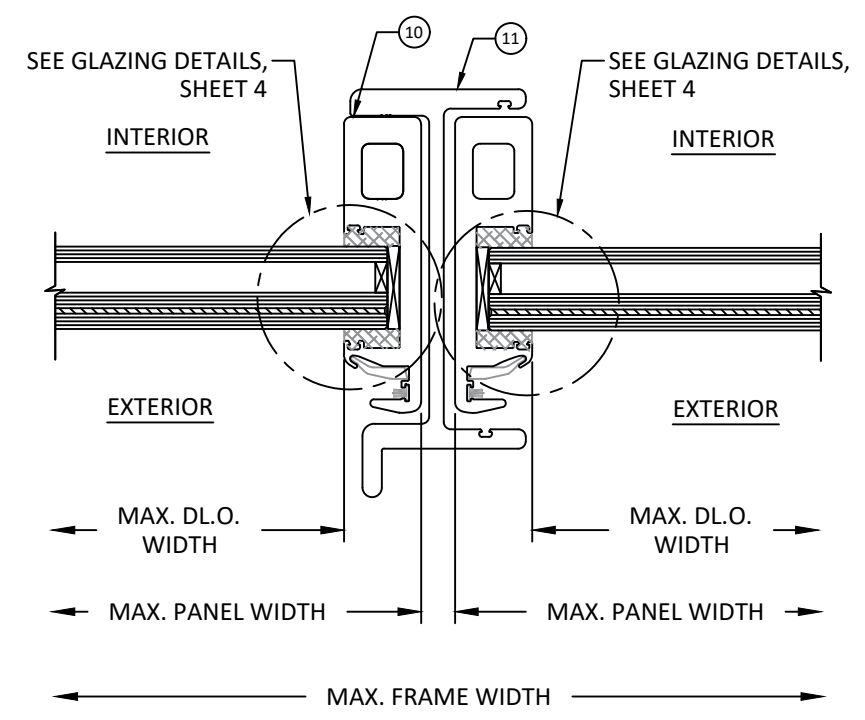
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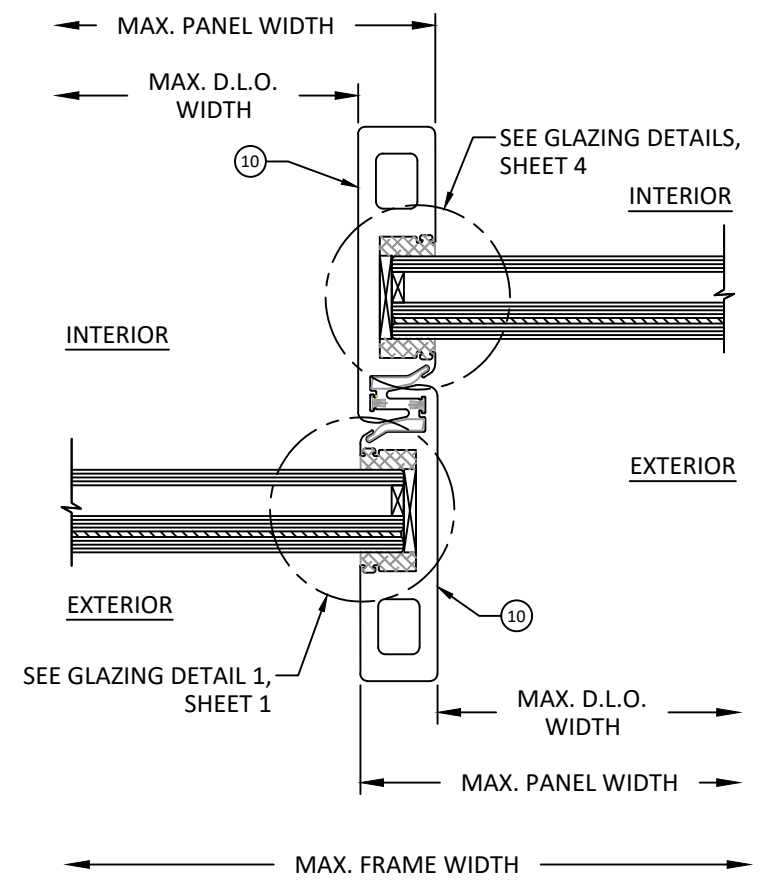
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A
9 HORIZONTAL SECTION
TYP. POCKET JAMB



B
9 HORIZONTAL SECTION
TYP. MEETING STILE



C
9 HORIZONTAL SECTION
TYP. INTERLOCK



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HORIZONTAL SECTIONS

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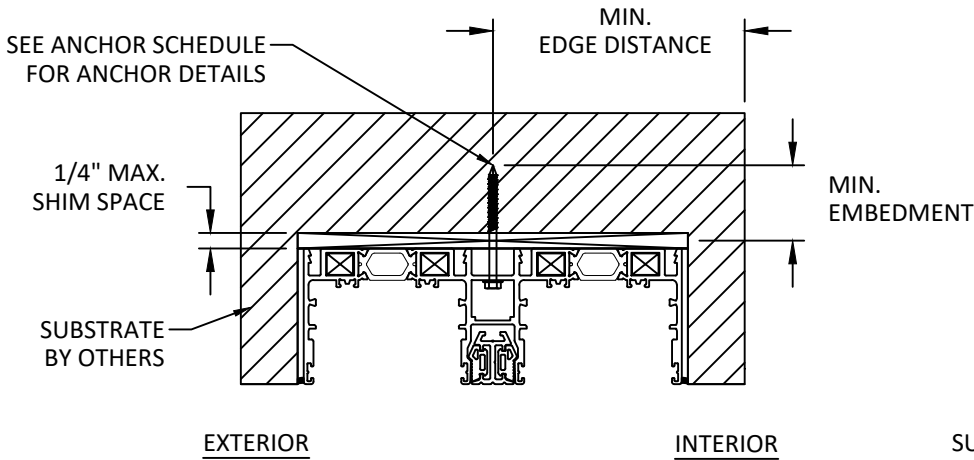
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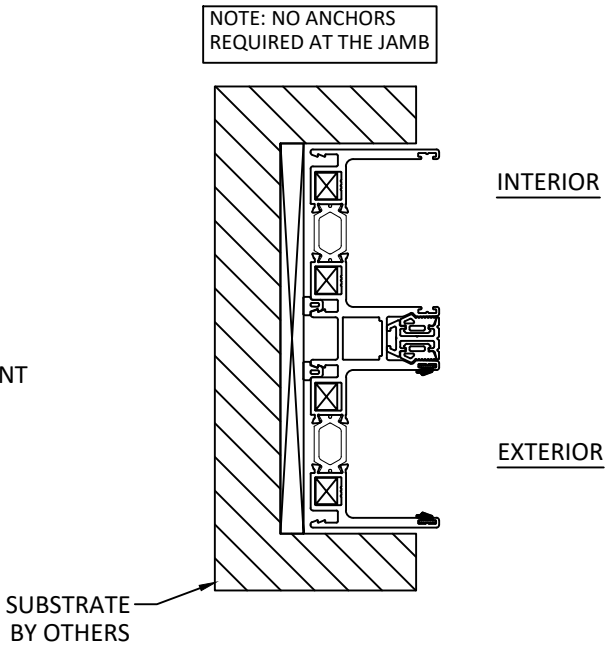
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OF 11

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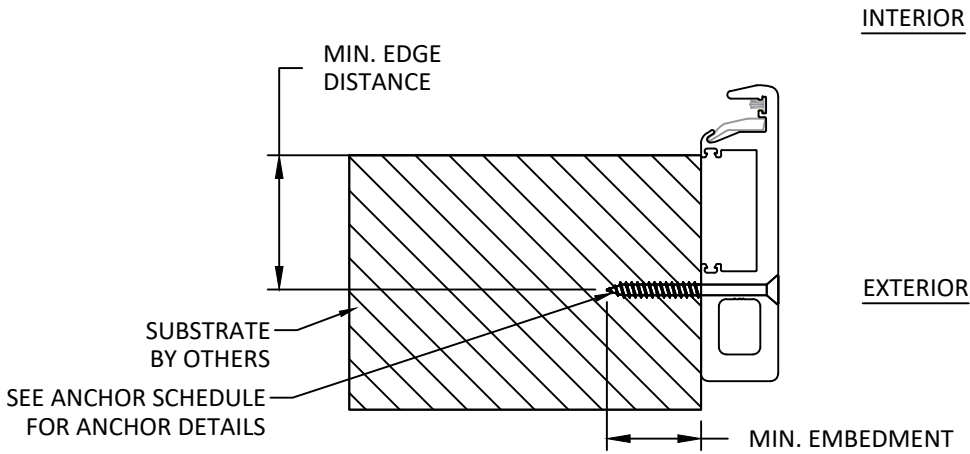
NOTE: 2-TRACK HEAD, SILL, JAMB and POCKET JAMB SHOWN. 3 AND 4 TRACK ARE SIMILAR.



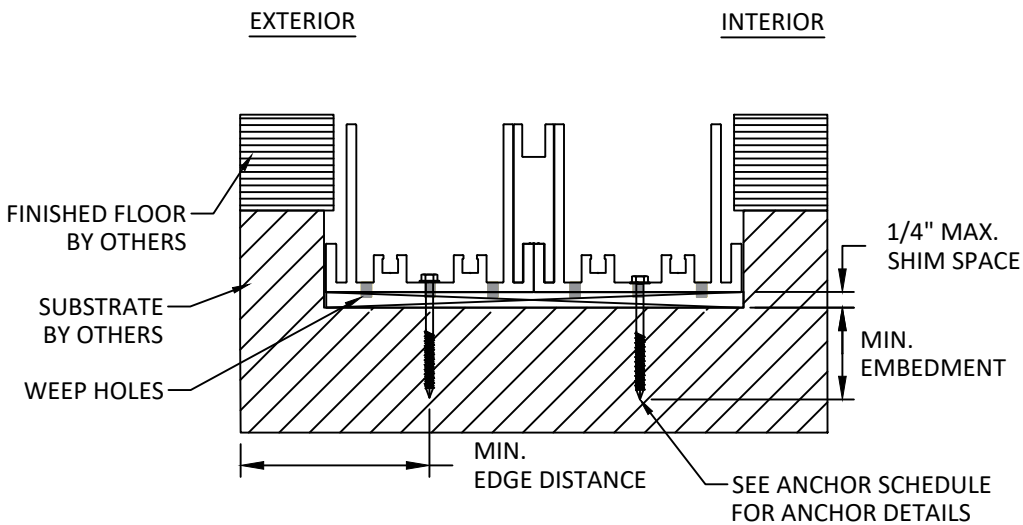
A
10 VERTICAL SECTION
TYP. HEAD INSTALLATION
THROUGH FRAME



B
10 HORIZONTAL SECTION
TYP. JAMB



C
10 HORIZONTAL SECTION
TYP. POCKET JAMB
THROUGH FRAME



D
10 VERTICAL SECTION
TYP. SILL INSTALLATION
THROUGH FRAME

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	SPACING
THROUGH FRAME	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	0.75"	SEE SHEET 3
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	1/4" SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"	
	CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.50"	2.50"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.00"	2.50"	



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ANCHOR DETAILS AND
SCHEDULE

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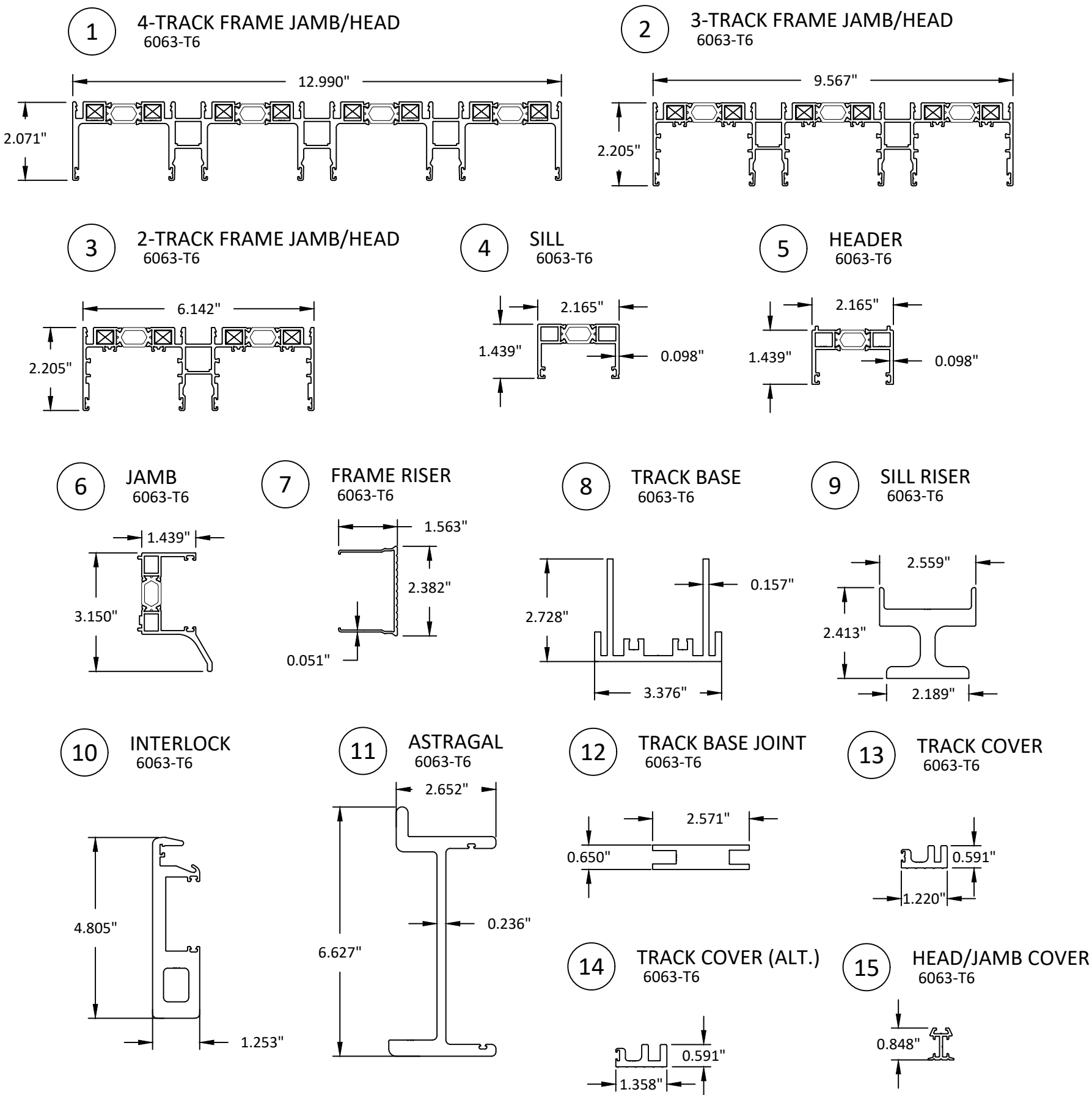
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OF 11

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BILL OF MATERIALS		
NO.	DECRPTION	MATERIAL
1	4-TRACK FRAME JAMB/HEAD	6063-T6
2	3-TRACK FRAME JAMB/HEAD	6063-T6
3	2-TRACK FRAME JAMB/HEAD	6063-T6
4	SILL	6063-T6
5	HEADER	6063-T6
6	JAMB	6063-T6
7	FRAME RISER	6063-T6
8	TRACK BASE	6063-T6
9	SILL RISER	6063-T6
10	INTERLOCK	6063-T6
11	ASTRAGAL	6063-T6
12	TRACK BASE JOINT	6063-T6
13	TRACK COVER	6063-T6
14	TRACK COVER (ALT.)	6063-T6
15	HEAD/JAMB COVER	6063-T6



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BILL OF MATERIALS
AND COMPONENTS

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