

TITLE: **SERIES 1630 SS
CURTAIN WALL SYSTEM
(IMPACT)
ELEVATION**

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 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



HERMES F. NORERO, P.E.
TEXAS P.E. No 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE: **02.11.21**

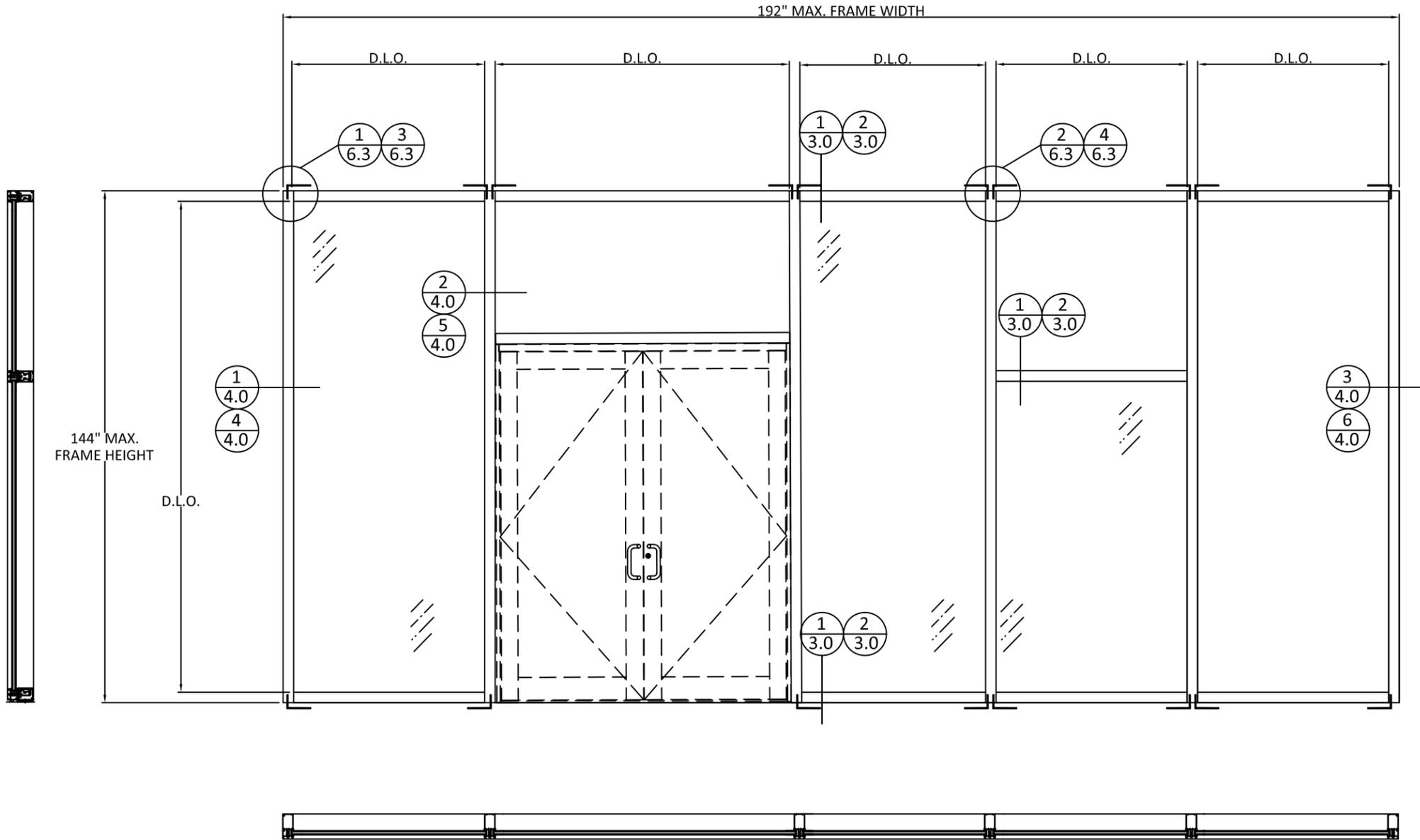
DWG. BY: **E.R.** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **KAW018**

SECTION:

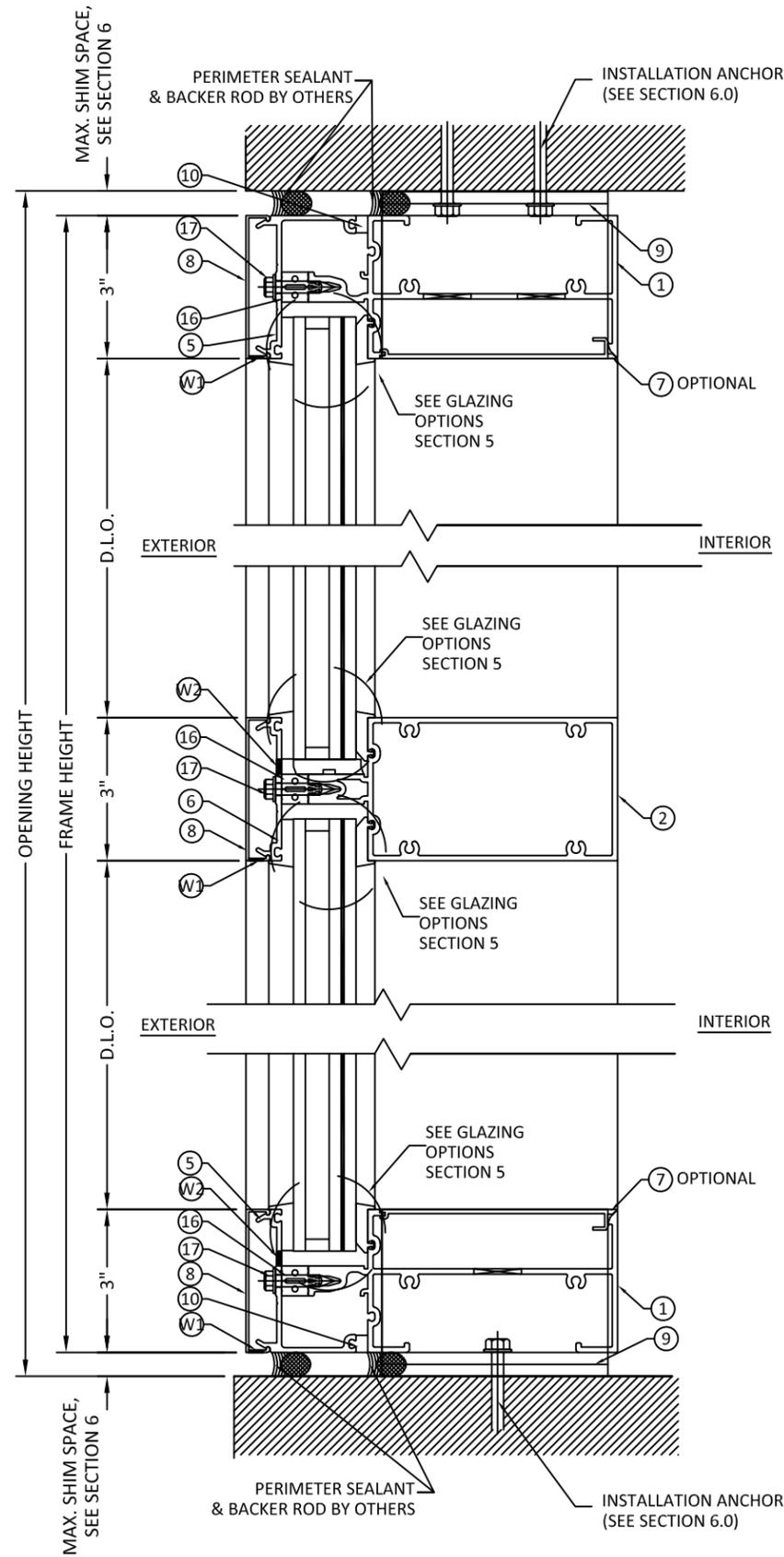
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TYPICAL ELEVATION

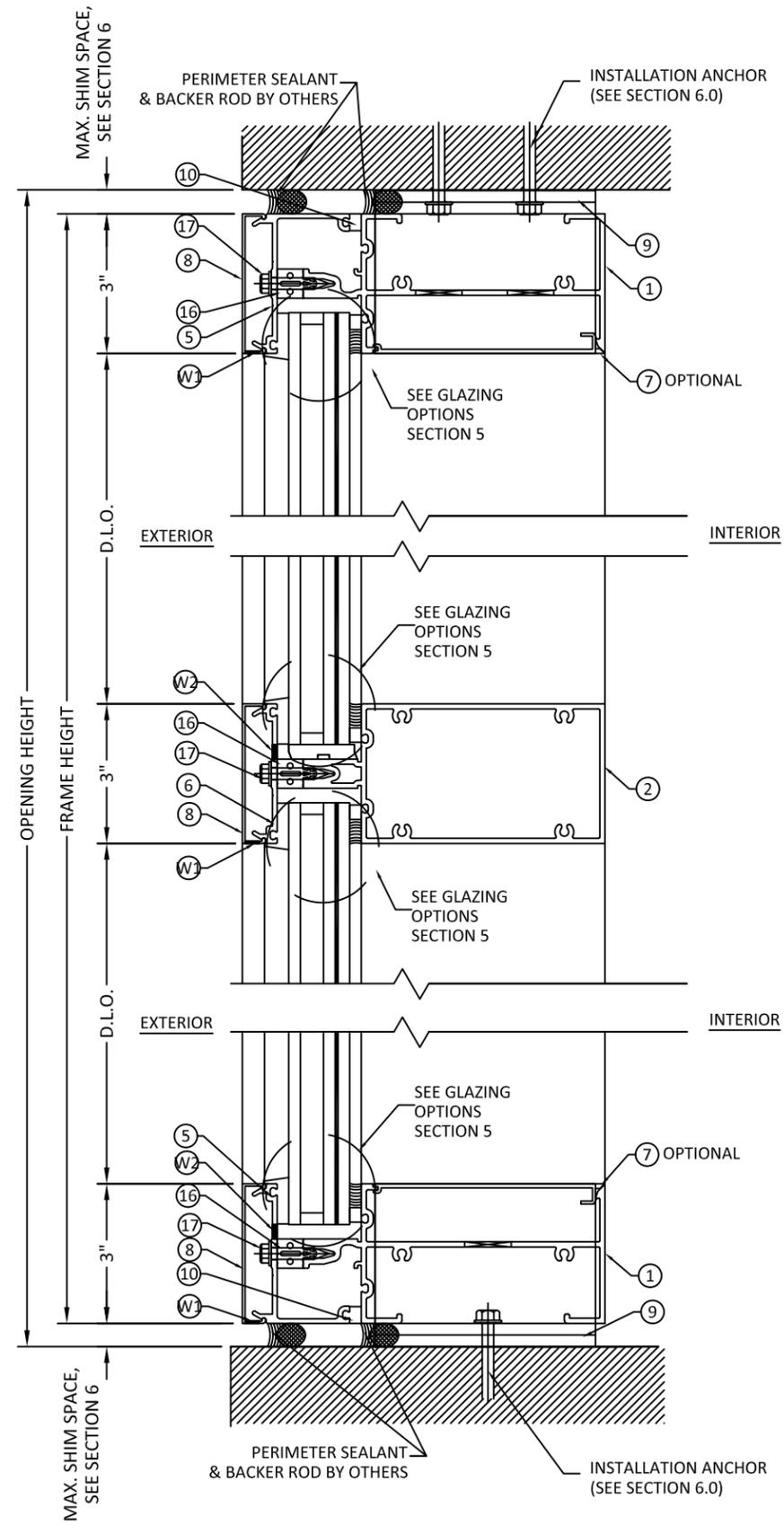
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HORIZONTAL DETAILS



1
3.0
HORIZONTAL DETAIL
DRY GLAZED
INSULATED GLASS

WEEPHOLES:
 W1 = 5/16" DIA. WEEP HOLES TWO PER D.L. OPNG.
 = AT 1/3 POINTS FROM VERTICALS
 W2 = 5/16" DIA. WEEP HOLES ONE PER D.L. OPNG.
 = AT CENTER OF D.L. OPNG.



2
3.0
HORIZONTAL DETAIL
WET GLAZED
INSULATED GLASS



555 GUTHRIDGE CT
 NORCROSS, GA 30092
 PH: (770) 840-6431

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 HORIZONTAL DETAILS

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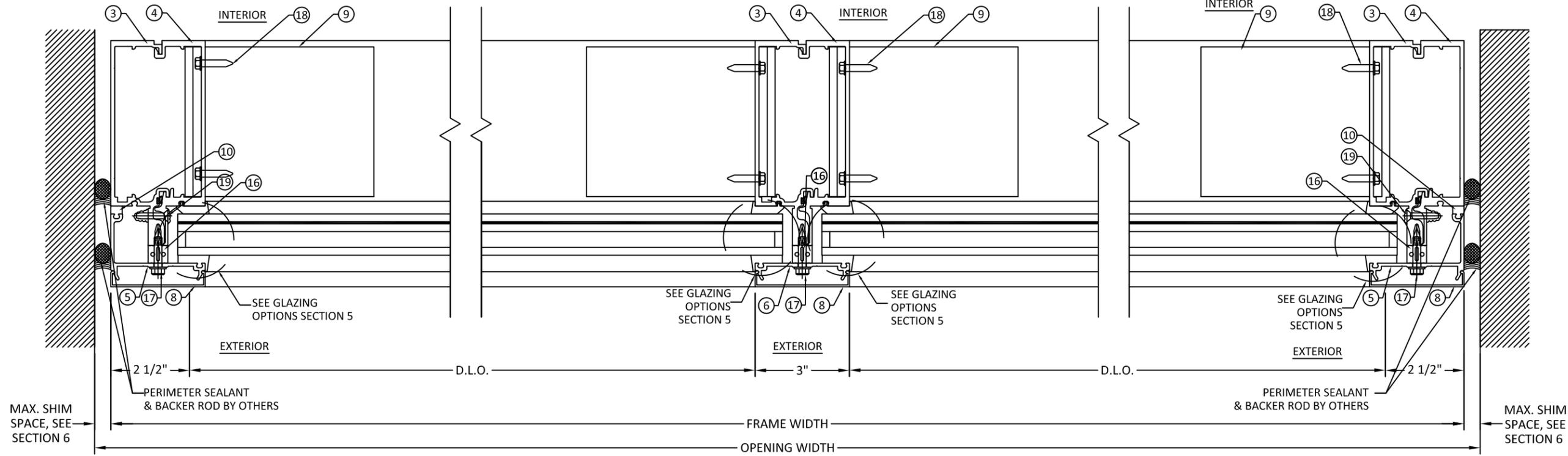
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SECTION:
3.0

VERTICAL MULLION DETAILS



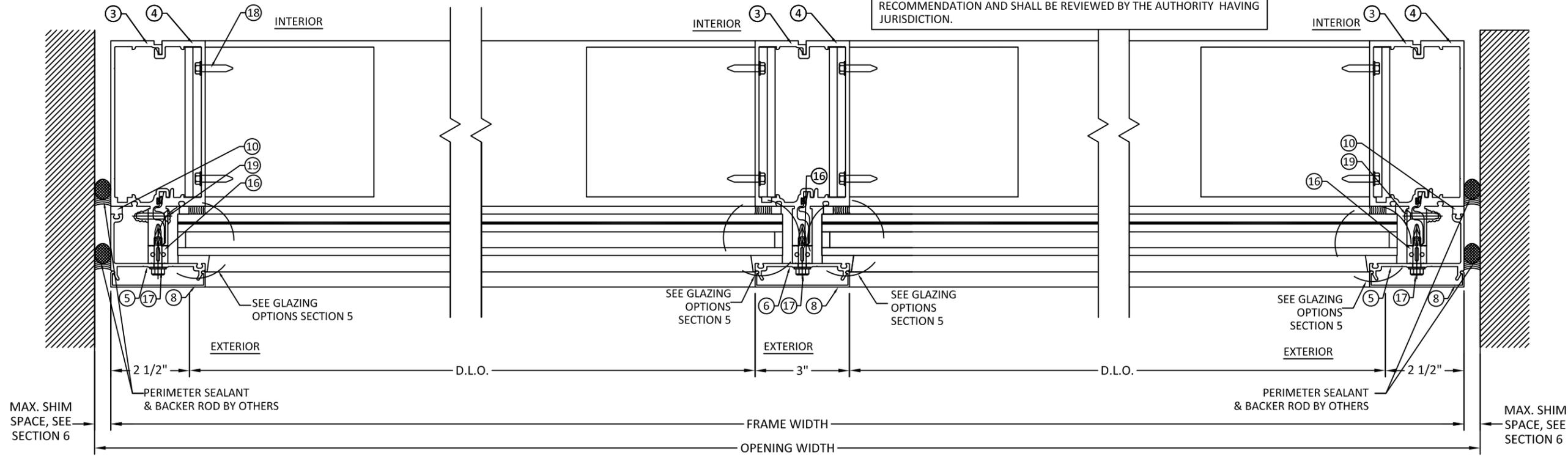
1
4.0 VERTICAL DETAIL
DRY GLAZED INSULATING GLASS

2
4.0 VERTICAL DETAIL
DRY GLAZED INSULATING GLASS

3
4.0 VERTICAL DETAIL
DRY GLAZED INSULATING GLASS

MAX. DESIGN LOAD- PSF	MIN. GAP	MAX. GAP
70	1/4"	1"

NOTE:
JOINT AT JAMBS IS NON-STRUCTURAL AND SHALL BE SUFFICIENT TO PROVIDE PROPER WEATHERPROOFING. SEALANT JOINT SIZE MAY VARY IN ACCORDANCE WITH SEALANT MANUFACTURER'S GUIDELINES AND RECOMMENDATION AND SHALL BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.



4
4.0 VERTICAL DETAIL
WET GLAZED INSULATING GLASS

5
4.0 VERTICAL DETAIL
WET GLAZED INSULATING GLASS

6
4.0 VERTICAL DETAIL
WET GLAZED INSULATING GLASS



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TITLE: SERIES 1630 SS
CURTAIN WALL SYSTEM
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VERTICAL MULLION DETAILS

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B.D. BUILDING DROPS
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SECTION:	4.0	

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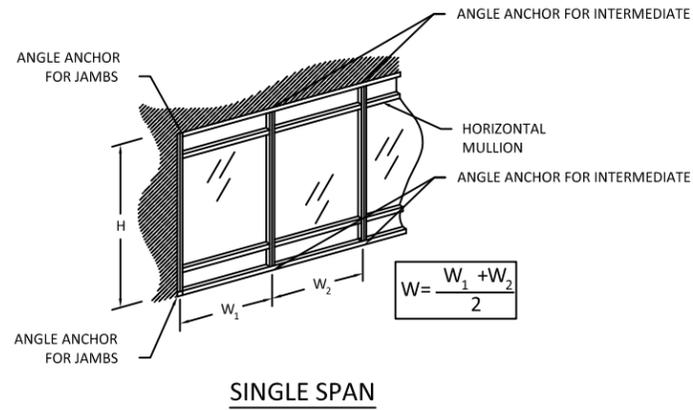
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STANDARD MULLION CAPACITY CHARTS

NOTES

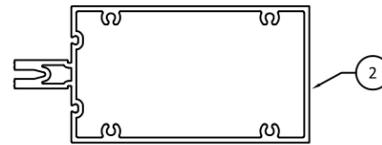
- DESIGN PRESSURES ARE LIMITED BY THE MULLION FIBERSTRESS AND DEFLECTION CAPACITY PER 2018 IBC, IRC.
- SELECT DESIGN PRESSURE AND PANEL WIDTH (W) AND OBTAIN THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR MULLION.
- FOR HORIZONTAL MULLIONS CAPACITY, SEE HORIZONTAL MULLION CHART.
- WHEN PANEL WIDTHS ARE NOT EQUAL, USE THE AVERAGE WIDTH ON THE CHART.

STANDARD DUTY HORIZONTAL MULLIONS (+/- PSF)	
WIDTH, W (in) 'SPAN'	Ext. (+) Int. (-)
63	70



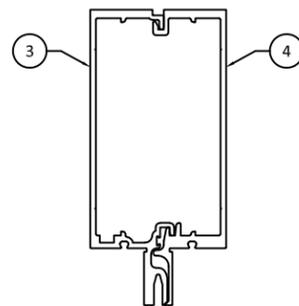
REINFORCING LENGTH = FRAME HEIGHT - 12 IN.

H1



INTERMEDIATE HORIZONTAL
(176007)

M1



VERTICAL MULLION
(176001/ 176002)

VERTICAL MEMBER SINGLE SPAN NOTES:

- DETAILS HAVE BEEN SHOWN FOR ILLUSTRATIVE PURPOSES. FOR DETAILS OF FULL ASSEMBLY PLEASE REFER TO APPLICABLE DETAILS ON SECTION 3 & 4.
- TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, & END REACTION PER MULLION SPAN ('L') AND MULLION SPACING ('W').
- FOR SITE CONDITIONS WHICH EXCEED LIMITATIONS SHOWN, FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.
- FOR T OR F CLIP ANCHORS, PLEASE REFER TO SECTION 6 FOR ANCHOR SELECTION, SUBSTRATE REQUIREMENTS, AND FURTHER LIMITATIONS OF USE.



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TITLE: **SERIES 1630 SS
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MULLION CAPACITY CHART**

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SECTION:

4.1

STANDARD MULLION CAPACITY CHARTS

HORIZONTAL MULLION CAPACITY - ALLOWABLE DESIGN PRESSURE (PSF)		
NOMINAL DIMS.		MULLION H1
SPAN LENGTH (IN)	BAY HEIGHT (IN)	EXT. (+) INT. (-)
39	48	70.0
	54	70.0
	60	70.0
	66	70.0
	72	70.0
	78	70.0
45	48	70.0
	54	70.0
	60	70.0
	66	70.0
	72	70.0
	78	70.0
51	48	70.0
	54	70.0
	60	70.0
	66	70.0
	72	70.0
	78	70.0
57	48	46.3
	54	45.0
	60	44.9
	66	44.9
	72	44.9
	78	44.9
63	48	32.3
	54	30.8
	60	30.1
	66	30.1
	72	30.1
	78	30.1
69	48	23.6
	54	22.2
	60	21.3
	66	20.9
	72	20.9
	78	20.9
75	48	17.8
	54	16.6
	60	15.7
	66	15.2
	72	15.0
	78	15.0

VERTICAL MULLION CAPACITY - ALLOWABLE DESIGN PRESSURE (PSF)		
NOMINAL DIMS.		MULLION M1
TRIBUTARY WIDTH (IN)	SPAN HEIGHT (IN)	EXT. (+) INT. (-)
39	96	70.0
45		70.0
51		70.0
57		70.0
63		70.0
69		70.0
75		68.4
39		99
45	70.0	
51	70.0	
57	70.0	
63	70.0	
69	69.0	
75	63.6	
39	102	
45		70.0
51		70.0
57		70.0
63		70.0
69		67.0
75		61.6
39		108
45	70.0	
51	70.0	
57	70.0	
63	69.3	
69	63.2	
75	58.2	
39	114	
45		70.0
51		70.0
57		70.0
63		65.6
69		59.9
75		55.1
39		120
45	70.0	
51	70.0	
57	68.9	
63	62.3	
69	56.9	
75	52.4	

VERTICAL MULLION CAPACITY - ALLOWABLE DESIGN PRESSURE (PSF)		
NOMINAL DIMS.		MULLION M1
TRIBUTARY WIDTH (IN)	SPAN HEIGHT (IN)	EXT. (+) INT. (-)
39	126	70.0
45		70.0
51		70.0
57		65.6
63		59.4
69		54.2
75		49.9
39		132
45	70.0	
51	70.0	
57	62.6	
63	56.7	
69	51.7	
75	47.6	
39	138	
45		69.4
51		61.3
57		54.8
63		49.6
69		45.3
75		41.7
39		144
45	61.1	
51	53.9	
57	48.2	
63	43.6	
69	39.9	
75	36.7	
39	150	
45		54.1
51		47.7
57		42.7
63		38.6
69		35.3
75		32.4
39		156
45	48.1	
51	42.4	
57	37.9	
63	34.3	
69	31.3	
75	28.8	



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SECTION: **4.2**

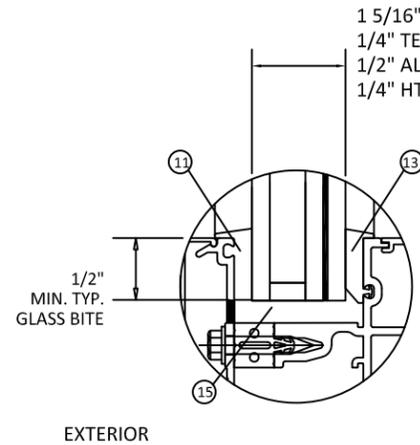
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INSULATING IMPACT GLASS OPTIONS

NOTES:

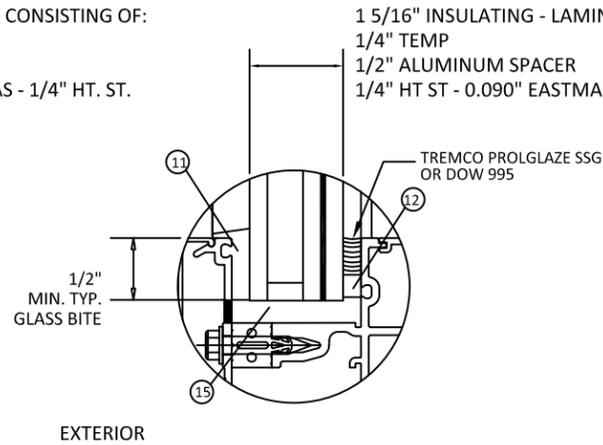
1. CHART VALUES PROVIDE MAXIMUM DESIGN PRESSURES ACCORDING TO ASTM E 1300 FOR GIVEN GLASS DIMENSIONS 'a' AND 'b' ($a \geq b$), AND 2018 IBC, IRC FOR SIZES OTHER THAN TESTED
2. DO NOT EXCEED MULLION CAPACITY SELECTED OR ANCHOR CAPACITY IN DESIGN PRESSURE CHARTS



1 5/16" INSULATING - LAMINATED GLASS CONSISTING OF:
 1/4" TEMP
 1/2" ALUMINUM SPACER
 1/4" HT ST - 0.060" KURARAY SENTRYGLAS - 1/4" HT. ST.

EXTERIOR

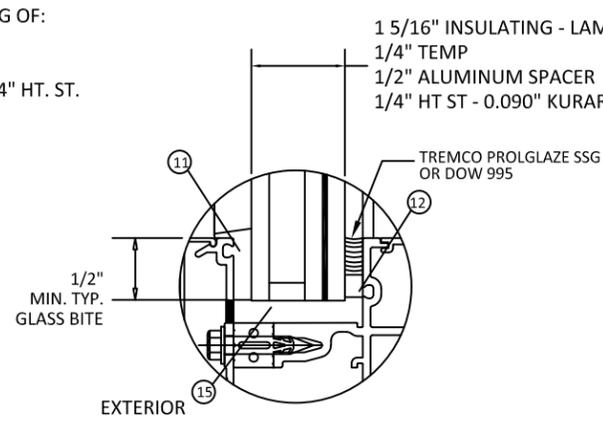
GLASS TYPE 'A'
 DRY GLAZING DETAIL
 MISSILE LEVEL A (S.M.I)



1 5/16" INSULATING - LAMINATED GLASS CONSISTING OF:
 1/4" TEMP
 1/2" ALUMINUM SPACER
 1/4" HT ST - 0.090" EASTMAN CHEM. CO SAFLEX - 1/4" HT. ST.

EXTERIOR

GLASS TYPE 'B'
 WET GLAZING DETAIL
 MISSILE LEVEL D (L.M.I)



1 5/16" INSULATING - LAMINATED GLASS CONSISTING OF:
 1/4" TEMP
 1/2" ALUMINUM SPACER
 1/4" HT ST - 0.090" KURARAY TROSIFOL PVB - 1/4" HT. ST.

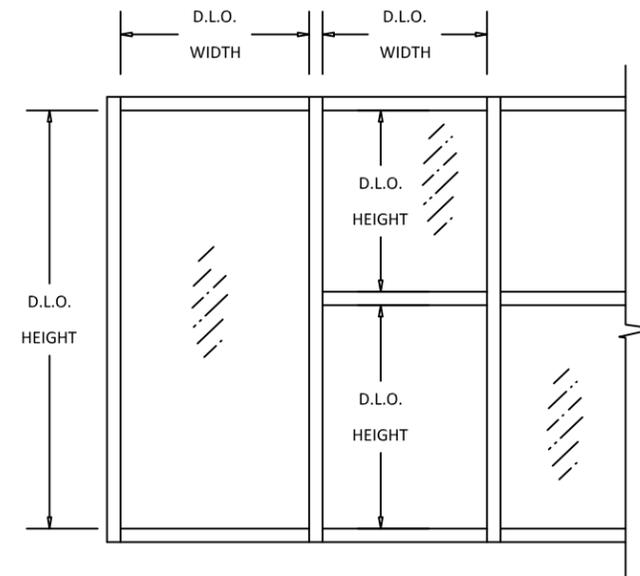
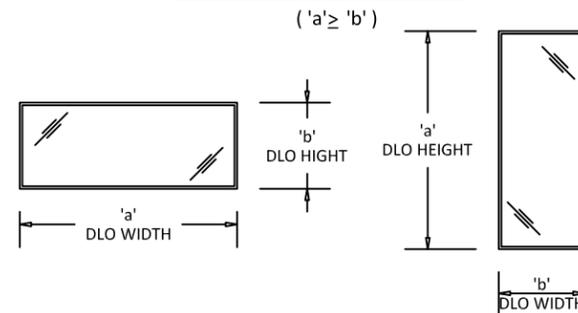
EXTERIOR

GLASS TYPE 'C'
 WET GLAZING DETAIL
 MISSILE LEVEL D (L.M.I)

*** NOTE:**

1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS).
2. GLASS CAPACITIES ARE LIMITED BY THE RESULTS OF COMPARATIVE ANALYSIS IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 IBC.
3. WHERE REQUIRED, TEMPERED GLASS IS REQUIRED TO BE USED TO COMPLY WITH SAFETY GLAZING
4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.

PANEL DIMENSIONS



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GLASS LOAD CAPACITY



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DESIGN PRESSURE TABLE (PSF) GLZAING CAPACITY BY TYPE			
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B & C'
D.L.O. WIDTH 'a' (in.)	D.L.O. HEIGHT 'b' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
42	60	70.0	70.0
	66	70.0	70.0
	72	70.0	70.0
	78	70.0	70.0
	84	70.0	70.0
	90	70.0	70.0
	93	70.0	70.0
	96	70.0	70.0
	102	70.0	70.0
	108	70.0	-
	114	70.0	-
	120	70.0	-
48	60	70.0	70.0
	66	70.0	70.0
	72	70.0	70.0
	78	70.0	70.0
	84	70.0	70.0
	90	70.0	70.0
	93	70.0	70.0
	96	70.0	-
	102	70.0	-
	108	70.0	-
	114	70.0	-

DESIGN PRESSURE TABLE (PSF) GLZAING CAPACITY BY TYPE			
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B & C'
D.L.O. WIDTH 'a' (in.)	D.L.O. HEIGHT 'b' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
54	60	70.0	62.2
	66	70.0	62.2
	72	70.0	62.2
	78	70.0	62.2
	84	70.0	-
	90	70.0	-
	93	70.0	-
	96	70.0	-
	102	70.0	-
	108	70.0	-
60	60	70.0	56.0
	66	70.0	56.0
	72	70.0	56.0
	78	70.0	-
	84	70.0	-
	90	70.0	-
66	60	70.0	56.0
	66	63.6	50.9
	72	63.6	-
	78	63.6	-
	84	63.6	-
72	60	70.0	56.0
	66	63.6	-
	72	58.3	-

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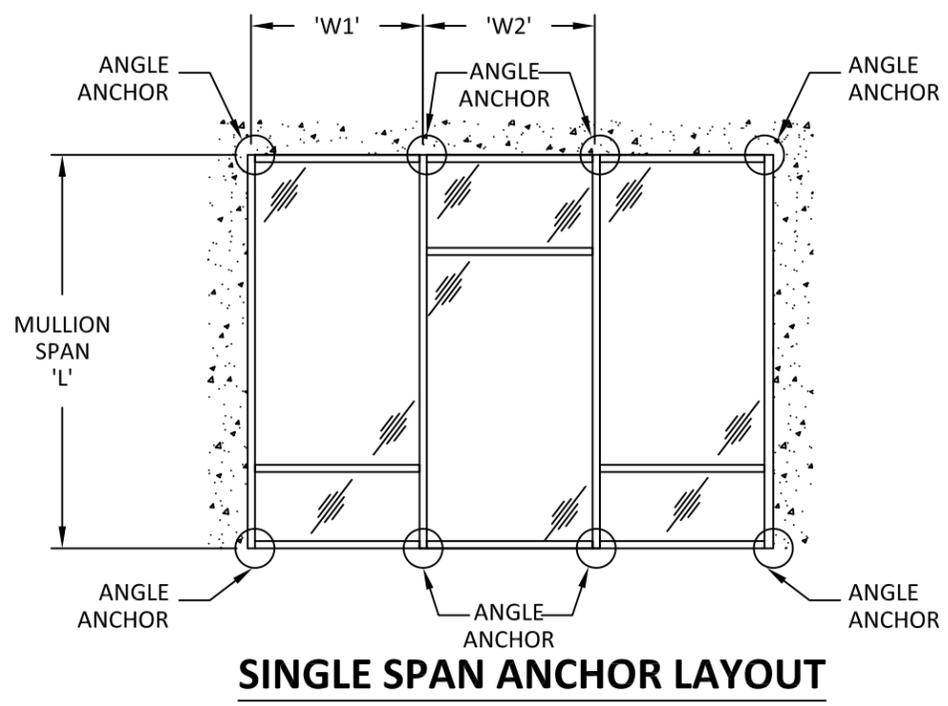
ANGLE ANCHOR TYPES

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EDGE DISTANCE	MINIMUM EMBEDMENT
A	1/4"	LAG SCREW	WOOD (MIN SG. = 0.42)	3/4"	1 3/4"
B	#14	WOOD SCREW	WOOD (MIN SG. = 0.42)	3/4"	1 1/4"
C	1/4"	GR. 5 SELF TAPPING OR SELF DRILLING SCREW	MIN. 1/8" THICK A36 STEEL	1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT
D	5/16"	GR. 5 SELF TAPPING OR SELF DRILLING SCREW	MIN. 1/8" THICK A36 STEEL	1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT
E	1/4"	GR. 5 SELF TAPPING OR SELF DRILLING SCREW	MIN. 16 GAUGE STEEL, MIN. F _y = 50 KSI	1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT
F	5/16"	5/16-18 OR 5/16-24 BOLT WITH LOCK NUT & WASHER	MIN. 1/8" THICK A36 STEEL	1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT
G	1/4"	GR. 5 SELF TAPPING OR SELF DRILLING SCREW	MIN. 1/8" THICK 6063-T5 ALUM.	1/2"	MIN. 3 THREADS PENETRATION BEYOND ALUM STRUCTURE OR NUT
H	1/4"	ELCO ULTRACON, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILITI KWIK-CON II	MIN. 3,000 PSI CONCRETE	3"	1 3/4"
I	1/2"	SIMPSON STRONG-TIE TITEN HD	MIN. 3,000 PSI CONCRETE	4"	3 1/4"

MULLION SPACING OR BAY WIDTH, 'W', FOR ANCHORS	$W = \frac{W1 + W2}{2}$
MULLION SPACING OR BAY WIDTH, 'W', FOR ANCHORS AT JAMBS	$W = \frac{W1}{2}$
MULLION SPACING OR BAY WIDTH, 'W', FOR ANCHORS AT VERTICAL MULL WITH DOORS	$*W = \frac{W1 + W2}{2}$

*REFER TO SECTION 4.2 FOR ILLUSTRATION OF DETERMINING MAX. TRIBUTARY WIDTH

- NOTE:
1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 2. REFER TO ANCHOR LAYOUTS AT RIGHT FOR LOCATIONS AND DETERMINING MAX. LENGTHS (L) AND TRIBUTARY WIDTHS (W).
 3. FOR SITE CONDITIONS NOT SHOWN IN THE DETAILS HEREIN OR EDGE DISTANCE REQUIREMENTS TO BE MODIFIED, ANCHORS MAY BE ENGINEERED ON A SITE SPECIFIC BASIS.
 4. REFER TO SECTION 6.4 DETAILS FOR ANCHOR CONFIGURATIONS.
 5. REFER TO SECTION 6.1, 6.2 & 6.3 DETAILS FOR ANGLE ANCHOR TYPE CAPACITIES.



555 GUTHRIDGE CT
NORCROSS, GA 30092
PH: (770) 840-6431

TITLE: SERIES 1630 SS CURTAIN WALL SYSTEM (IMPACT) ANGLE ANCHOR TYPES

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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HERMES F. NORERO, P.E.
TEXAS P.E. No 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE: 02.11.21
DWG. BY: E.R. CHK. BY: HFN
SCALE: NTS
DWG. #: KAW018

SECTION: 6.0
SHEET 9 OF 14

12/9/2021 9:41 AM s:\projects\kawneer company\tdr-21-0118 -tdf-submittal\dwgs\116369\kaw018.dwg

ANCHOR CAPACITY TABLES

MAX. TRIBUTARY WIDTH 'W' (in.)	MAX. SPAN HEIGHT 'H' (in.)	ANCHOR TYPE 'A2'	ANCHOR TYPE 'B2'	ANCHOR TYPE 'C2'	ANCHOR TYPE 'D2'	ANCHOR TYPE 'E2'	ANCHOR TYPE 'F2'	ANCHOR TYPE 'G2'	ANCHOR TYPE 'H2'	ANCHOR TYPE 'I2'	
39	96	43.8	70.0	70.0	70.0	70.0	70.0	70.0	55.4	70.0	
45		37.9	69.1	70.0	70.0	70.0	70.0	70.0	48.0	70.0	
51		33.5	61.0	70.0	70.0	70.0	70.0	70.0	42.4	70.0	
57		29.9	54.6	70.0	70.0	70.0	70.0	70.0	37.9	70.0	
63		27.1	49.4	70.0	70.0	70.0	70.0	70.0	34.3	70.0	
69		24.7	45.1	70.0	70.0	70.0	70.0	70.0	31.3	70.0	
75		22.8	41.5	70.0	70.0	70.0	70.0	70.0	28.8	70.0	
39	99	42.4	70.0	70.0	70.0	70.0	70.0	70.0	53.7	70.0	
45		36.8	67.0	70.0	70.0	70.0	70.0	70.0	46.5	70.0	
51		32.4	59.1	70.0	70.0	70.0	70.0	70.0	41.1	70.0	
57		29.0	52.9	70.0	70.0	70.0	70.0	70.0	36.7	70.0	
63		26.3	47.9	70.0	70.0	70.0	70.0	70.0	33.2	70.0	
69		24.0	43.7	70.0	70.0	70.0	70.0	70.0	30.4	70.0	
75		22.1	40.2	70.0	70.0	70.0	68.4	70.0	68.8	27.9	70.0
39	102	41.2	70.0	70.0	70.0	70.0	70.0	70.0	52.1	70.0	
45		35.7	65.0	70.0	70.0	70.0	70.0	70.0	45.2	70.0	
51		31.5	57.4	70.0	70.0	70.0	70.0	70.0	39.9	70.0	
57		28.2	51.3	70.0	70.0	70.0	70.0	70.0	35.7	70.0	
63		25.5	46.5	70.0	70.0	70.0	70.0	70.0	32.3	70.0	
69		23.3	42.4	70.0	70.0	70.0	70.0	70.0	29.5	70.0	
75		21.4	39.0	70.0	70.0	70.0	66.4	70.0	66.8	27.1	70.0
39	108	38.9	70.0	70.0	70.0	70.0	70.0	70.0	49.2	70.0	
45		33.7	61.4	70.0	70.0	70.0	70.0	70.0	42.7	70.0	
51		29.7	54.2	70.0	70.0	70.0	70.0	70.0	37.6	70.0	
57		26.6	48.5	70.0	70.0	70.0	70.0	70.0	33.7	70.0	
63		24.1	43.9	70.0	70.0	70.0	70.0	70.0	30.5	70.0	
69		22.0	40.1	70.0	70.0	70.0	68.2	70.0	68.6	27.8	70.0
75		20.2	36.9	70.0	70.0	70.0	62.7	70.0	63.1	25.6	70.0
39	114	36.9	67.1	70.0	70.0	70.0	70.0	70.0	46.6	70.0	
45		31.9	58.2	70.0	70.0	70.0	70.0	70.0	40.4	70.0	
51		28.2	51.3	70.0	70.0	70.0	70.0	70.0	35.7	70.0	
57		25.2	45.9	70.0	70.0	70.0	70.0	70.0	31.9	70.0	
63		22.8	41.6	70.0	70.0	70.0	70.0	70.0	28.9	70.0	
69		20.8	37.9	70.0	70.0	70.0	64.6	70.0	65.0	26.4	70.0
75		19.2	34.9	70.0	70.0	70.0	59.4	70.0	59.8	24.3	70.0
39	120	35.0	63.8	70.0	70.0	70.0	70.0	70.0	44.3	70.0	
45		30.3	55.3	70.0	70.0	70.0	70.0	70.0	38.4	70.0	
51		26.8	48.8	70.0	70.0	70.0	70.0	70.0	33.9	70.0	
57		24.0	43.6	70.0	70.0	70.0	70.0	70.0	30.3	70.0	
63		21.7	39.5	70.0	70.0	70.0	67.2	70.0	67.6	27.4	70.0
69		19.8	36.1	70.0	70.0	70.0	61.4	70.0	61.7	25.0	70.0
75		18.2	33.2	70.0	70.0	70.0	56.4	70.0	56.8	23.0	70.0

NOTE:
 IN TABLE TITLE, "ANCHOR TYPE" FOLLOWED BY FOUR (4), REPRESENTS FOUR (4) ANCHORS PER CLIP.
 "ANCHOR TYPE" FOLLOWED BY TWO (2), REPRESENTS TWO (2) ANCHORS PER CLIP.



555 GUTHRIDGE CT
 NORCROSS, GA 30092
 PH: (770) 840-6431

TITLE: **SERIES 1630 SS
 CURTAIN WALL SYSTEM
 (IMPACT)
 ANCHOR CAPACITIES**

PREPARED BY: **BUILDING DROPS, INC.**
 398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
 TEXAS P.E. No. 118471
 BUILDING DROPS, INC.
 398 E. DANIA BEACH BLVD. # 338
 DANIA BEACH, FL 33004
 TBPE FIRM No. 13734

DATE: **02.11.21**
 DWG. BY: **E.R.** CHK. BY: **HFN**
 SCALE: **NTS**
 DWG. #: **KAW018**
 SECTION:
6.1
 SHEET 10 OF 14

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ANCHOR CAPACITY TABLES

MAX. TRIBUTARY WIDTH 'W' (in.)	MAX. SPAN HEIGHT 'H' (in.)	ANCHOR TYPE 'A2'	ANCHOR TYPE 'B2'	ANCHOR TYPE 'C2'	ANCHOR TYPE 'D2'	ANCHOR TYPE 'E2'	ANCHOR TYPE 'F2'	ANCHOR TYPE 'G2'	ANCHOR TYPE 'H2'	ANCHOR TYPE 'I2'
39	126	33.3	60.7	70.0	70.0	70.0	70.0	70.0	42.2	70.0
45		28.9	52.6	70.0	70.0	70.0	70.0	70.0	36.6	70.0
51		25.5	46.5	70.0	70.0	70.0	70.0	70.0	32.3	70.0
57		22.8	41.6	70.0	70.0	70.0	70.0	70.0	28.9	70.0
63		20.6	37.6	70.0	70.0	64.0	70.0	64.4	26.1	70.0
69		18.8	34.3	70.0	70.0	58.4	70.0	58.8	23.9	70.0
75		17.3	31.6	70.0	70.0	53.8	70.0	54.1	21.9	70.0
39	132	31.8	58.0	70.0	70.0	70.0	70.0	70.0	40.3	70.0
45		27.6	50.3	70.0	70.0	70.0	70.0	70.0	34.9	70.0
51		24.3	44.3	70.0	70.0	70.0	70.0	70.0	30.8	70.0
57		21.8	39.7	70.0	70.0	67.5	70.0	67.9	27.6	70.0
63		19.7	35.9	70.0	70.0	61.1	70.0	61.5	24.9	70.0
69		18.0	32.8	70.0	70.0	55.8	70.0	56.1	22.8	70.0
75		16.5	30.2	70.0	70.0	51.3	70.0	51.6	20.9	70.0
39	138	30.4	55.5	70.0	70.0	70.0	70.0	70.0	38.5	70.0
45		26.4	48.1	70.0	70.0	70.0	70.0	70.0	33.4	70.0
51		23.3	42.4	70.0	70.0	70.0	70.0	70.0	29.5	70.0
57		20.8	37.9	70.0	70.0	64.6	70.0	65.0	26.4	70.0
63		18.8	34.3	70.0	70.0	58.4	70.0	58.8	23.9	70.0
69		17.2	31.3	70.0	70.0	53.4	70.0	53.7	21.8	70.0
75		15.8	28.8	70.0	70.0	49.1	70.0	49.4	20.0	70.0
39	144	29.2	53.2	70.0	70.0	70.0	70.0	70.0	36.9	70.0
45		25.3	46.1	70.0	70.0	70.0	70.0	70.0	32.0	70.0
51		22.3	40.6	70.0	70.0	69.2	70.0	69.6	28.2	70.0
57		20.0	36.4	70.0	70.0	61.9	70.0	62.3	25.3	70.0
63		18.1	32.9	70.0	70.0	56.0	70.0	56.3	22.9	70.0
69		16.5	30.0	70.0	70.0	51.1	70.0	51.4	20.9	70.0
75		15.2	27.6	68.9	70.0	47.0	70.0	47.3	19.2	70.0
39	150	28.0	51.0	70.0	70.0	70.0	70.0	70.0	35.4	70.0
45		24.3	44.2	70.0	70.0	70.0	70.0	70.0	30.7	70.0
51		21.4	39.0	70.0	70.0	66.4	70.0	66.8	27.1	70.0
57		19.2	34.9	70.0	70.0	59.4	70.0	59.8	24.3	70.0
63		17.3	31.6	70.0	70.0	53.8	70.0	54.1	21.9	70.0
69		15.8	28.8	70.0	70.0	49.1	70.0	49.4	20.0	70.0
75		14.6	26.5	66.2	70.0	45.2	70.0	45.4	18.4	70.0
39	156	26.9	49.1	70.0	70.0	70.0	70.0	70.0	34.1	70.0
45		23.3	42.5	70.0	70.0	70.0	70.0	70.0	29.5	70.0
51		20.6	37.5	70.0	70.0	63.9	70.0	64.2	26.1	70.0
57		18.4	33.6	70.0	70.0	57.1	70.0	57.5	23.3	70.0
63		16.7	30.4	70.0	70.0	51.7	70.0	52.0	21.1	70.0
69		15.2	27.7	69.1	70.0	47.2	70.0	47.5	19.3	70.0
75		14.0	25.5	63.6	70.0	43.4	70.0	43.7	17.7	70.0



555 GUTHRIDGE CT
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REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
TEXAS P.E. No 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE: **02.11.21**
DWG. BY: **E.R.** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **KAW018**

SECTION:
6.2
SHEET 11 OF 14

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ANCHOR CAPACITY TABLES



555 GUTHRIDGE CT
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TEXAS P.E. No 118471
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398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE: **02.11.21**

DWG. BY: **E.R.** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **KAW018**

SECTION:
6.3

SHEET 12 OF 14

MAX. TRIBUTARY WIDTH 'W' (in.)	MAX. SPAN HEIGHT 'H' (in.)	ANCHOR TYPE 'A4'	ANCHOR TYPE 'B4'	ANCHOR TYPE 'C4'	ANCHOR TYPE 'E4'	ANCHOR TYPE 'G4'	ANCHOR TYPE 'H4'
39	96	70.0	70.0	70.0	70.0	70.0	70.0
45		70.0	70.0	70.0	70.0	70.0	70.0
51		66.9	70.0	70.0	70.0	70.0	70.0
57		59.9	70.0	70.0	70.0	70.0	70.0
63		54.2	70.0	70.0	70.0	70.0	68.6
69		49.5	70.0	70.0	70.0	70.0	62.6
75		45.5	70.0	70.0	70.0	70.0	57.6
39		99	70.0	70.0	70.0	70.0	70.0
45	70.0		70.0	70.0	70.0	70.0	70.0
51	64.9		70.0	70.0	70.0	70.0	70.0
57	58.1		70.0	70.0	70.0	70.0	70.0
63	52.5		70.0	70.0	70.0	70.0	66.5
69	48.0		70.0	70.0	70.0	70.0	60.7
75	44.1		70.0	70.0	70.0	70.0	55.9
39	102		70.0	70.0	70.0	70.0	70.0
45		70.0	70.0	70.0	70.0	70.0	70.0
51		63.0	70.0	70.0	70.0	70.0	70.0
57		56.4	70.0	70.0	70.0	70.0	70.0
63		51.0	70.0	70.0	70.0	70.0	64.5
69		46.6	70.0	70.0	70.0	70.0	58.9
75		42.8	70.0	70.0	70.0	70.0	54.2
39		108	70.0	70.0	70.0	70.0	70.0
45	67.4		70.0	70.0	70.0	70.0	70.0
51	59.5		70.0	70.0	70.0	70.0	70.0
57	53.2		70.0	70.0	70.0	70.0	67.4
63	48.2		70.0	70.0	70.0	70.0	61.0
69	44.0		70.0	70.0	70.0	70.0	55.7
75	40.5		70.0	70.0	70.0	70.0	51.2
39	114		70.0	70.0	70.0	70.0	70.0
45		63.9	70.0	70.0	70.0	70.0	70.0
51		56.4	70.0	70.0	70.0	70.0	70.0
57		50.4	70.0	70.0	70.0	70.0	63.8
63		45.6	70.0	70.0	70.0	70.0	57.7
69		41.7	70.0	70.0	70.0	70.0	52.7
75		38.3	69.8	70.0	70.0	70.0	48.5
39		120	70.0	70.0	70.0	70.0	70.0
45	60.7		70.0	70.0	70.0	70.0	70.0
51	53.5		70.0	70.0	70.0	70.0	67.8
57	47.9		70.0	70.0	70.0	70.0	60.6
63	43.3		70.0	70.0	70.0	70.0	54.9
69	39.6		70.0	70.0	70.0	70.0	50.1
75	36.4		66.3	70.0	70.0	70.0	46.1

MAX. TRIBUTARY WIDTH 'W' (in.)	MAX. SPAN HEIGHT 'H' (in.)	ANCHOR TYPE 'A4'	ANCHOR TYPE 'B4'	ANCHOR TYPE 'C4'	ANCHOR TYPE 'E4'	ANCHOR TYPE 'G4'	ANCHOR TYPE 'H4'
39	126	66.7	70.0	70.0	70.0	70.0	70.0
45		57.8	70.0	70.0	70.0	70.0	70.0
51		51.0	70.0	70.0	70.0	70.0	64.5
57		45.6	70.0	70.0	70.0	70.0	57.7
63		41.3	70.0	70.0	70.0	70.0	52.2
69		37.7	68.7	70.0	70.0	70.0	47.7
75		34.7	63.2	70.0	70.0	70.0	43.9
39		132	63.7	70.0	70.0	70.0	70.0
45	55.2		70.0	70.0	70.0	70.0	69.8
51	48.7		70.0	70.0	70.0	70.0	61.6
57	43.6		70.0	70.0	70.0	70.0	55.1
63	39.4		70.0	70.0	70.0	70.0	49.9
69	36.0		65.5	70.0	70.0	70.0	45.5
75	33.1		60.3	70.0	70.0	70.0	41.9
39	138		60.9	70.0	70.0	70.0	70.0
45		52.8	70.0	70.0	70.0	70.0	66.8
51		46.6	70.0	70.0	70.0	70.0	58.9
57		41.7	70.0	70.0	70.0	70.0	52.7
63		37.7	68.7	70.0	70.0	70.0	47.7
69		34.4	62.7	70.0	70.0	70.0	43.6
75		31.7	57.7	70.0	70.0	70.0	40.1
39		144	58.3	70.0	70.0	70.0	70.0
45	50.6		70.0	70.0	70.0	70.0	64.0
51	44.6		70.0	70.0	70.0	70.0	56.5
57	39.9		70.0	70.0	70.0	70.0	50.5
63	36.1		65.8	70.0	70.0	70.0	45.7
69	33.0		60.1	70.0	70.0	70.0	41.7
75	30.3		55.3	70.0	70.0	70.0	38.4
39	150		56.0	70.0	70.0	70.0	70.0
45		48.5	70.0	70.0	70.0	70.0	61.4
51		42.8	70.0	70.0	70.0	70.0	54.2
57		38.3	69.8	70.0	70.0	70.0	48.5
63		34.7	63.2	70.0	70.0	70.0	43.9
69		31.7	57.7	70.0	70.0	70.0	40.1
75		29.1	53.1	70.0	70.0	70.0	36.9
39		156	53.9	70.0	70.0	70.0	70.0
45	46.7		70.0	70.0	70.0	70.0	59.1
51	41.2		70.0	70.0	70.0	70.0	52.1
57	36.9		67.1	70.0	70.0	70.0	46.6
63	33.3		60.7	70.0	70.0	70.0	42.2
69	30.4		55.5	70.0	70.0	70.0	38.5
75	28.0		51.0	70.0	70.0	70.0	35.4

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TITLE: **SERIES 1630 SS
CURTAIN WALL SYSTEM
(IMPACT)
ANCHOR DETAILS**

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 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



HERMES F. NORERO, P.E.
TEXAS P.E. No. 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE: **02.11.21**

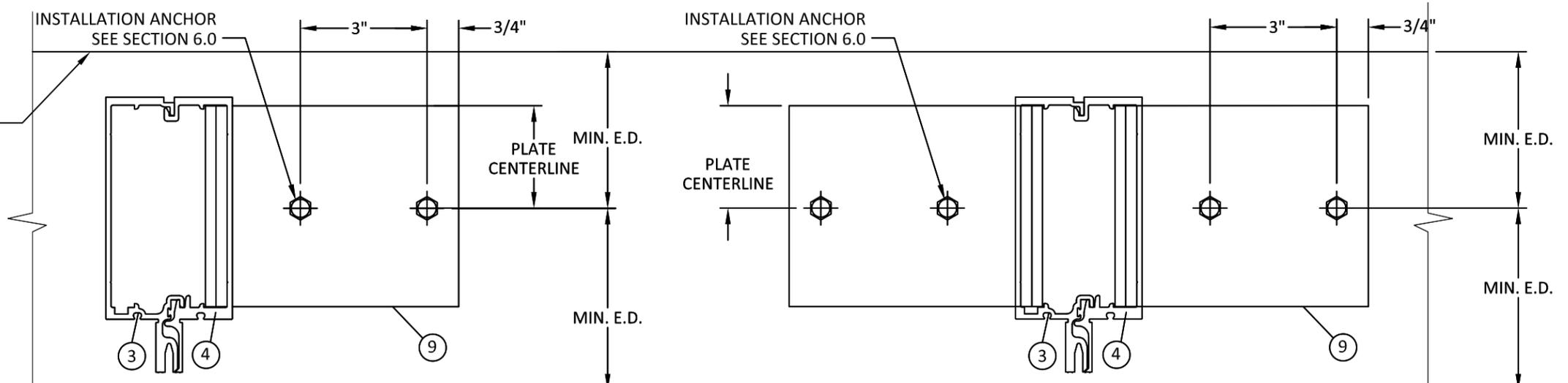
DWG. BY: **E.R.** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **KAW018**

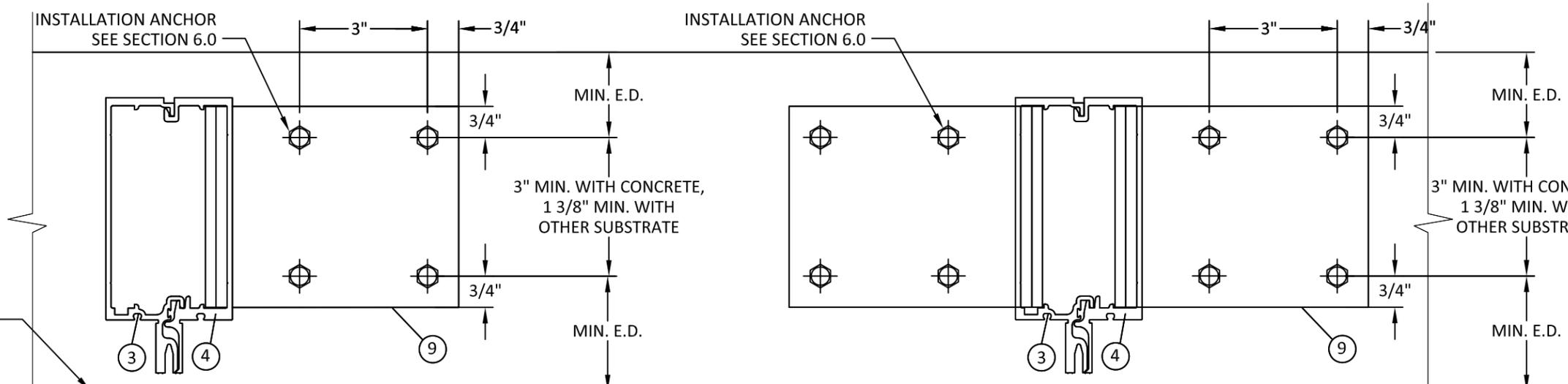
SECTION:

6.4



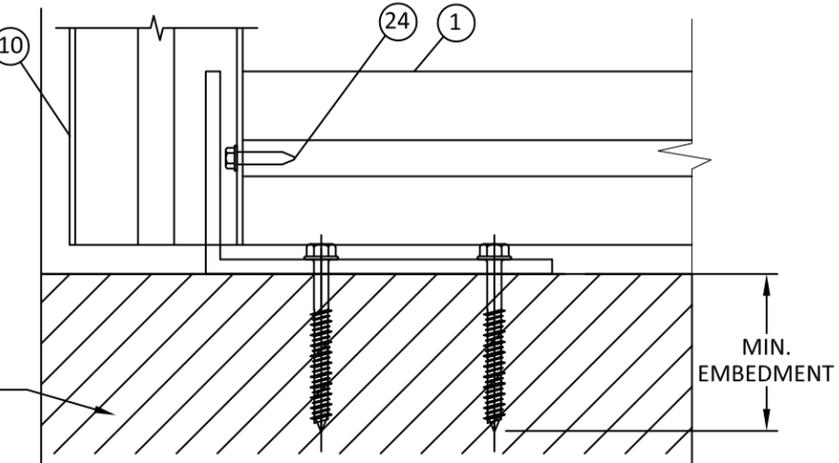
1
6.4 **ANCHOR DETAIL**
ANGLE ANCHOR
INTO WOOD, CONCRETE OR METAL STUD

2
6.4 **ANCHOR DETAIL**
ANGLE ANCHOR
INTO WOOD, CONCRETE OR METAL STUD

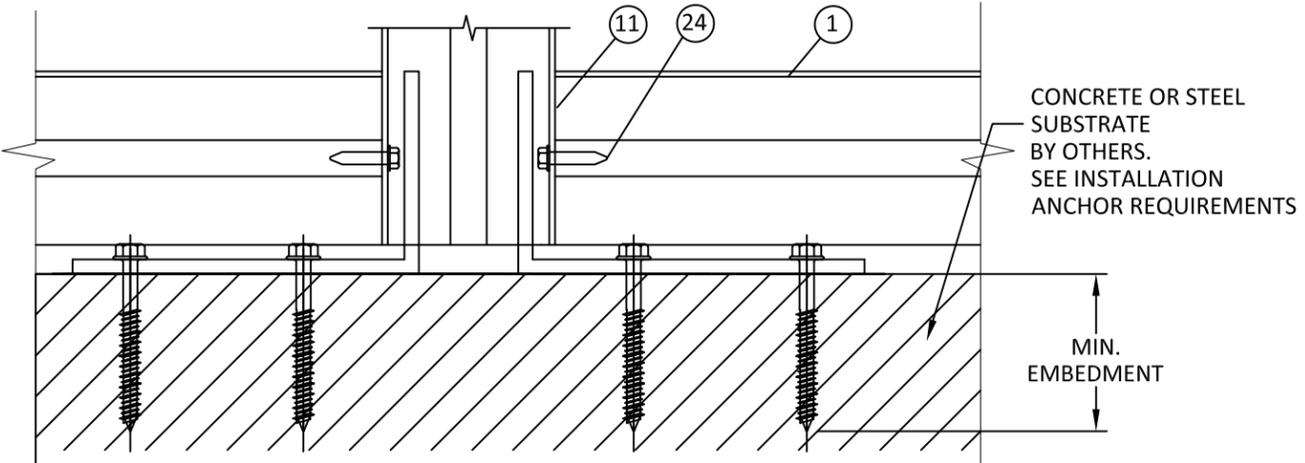


3
6.4 **ANCHOR DETAIL**
ANGLE ANCHOR
INTO WOOD, CONCRETE OR METAL STUD

4
6.4 **ANCHOR DETAIL**
ANGLE ANCHOR
INTO WOOD, CONCRETE OR METAL STUD



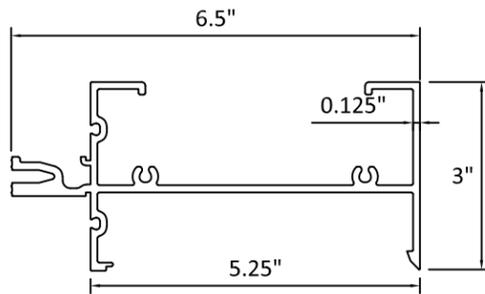
EXTERIOR VIEW
ANGLE ANCHOR (TYPICAL)



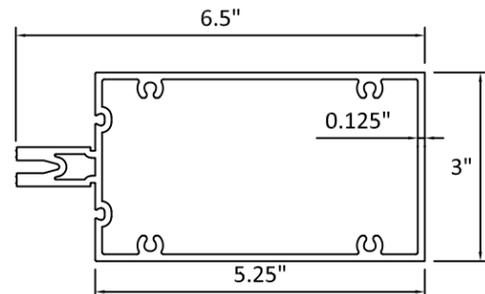
EXTERIOR VIEW
DOUBLE ANGLE ANCHOR (TYPICAL)

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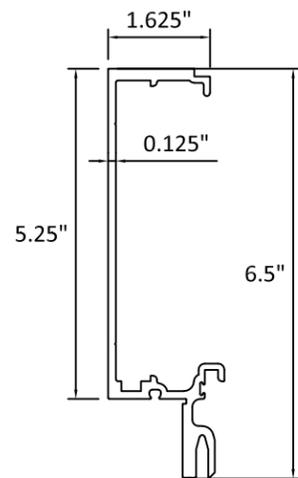
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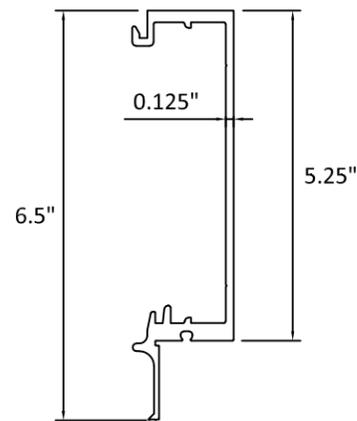
① HEAD & SILL FRAME



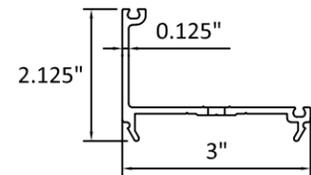
② INTERMEDIATE HORIZONTAL



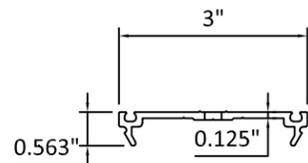
③ VERTICAL SIDE & INTERMEDIATE (MALE HALF)



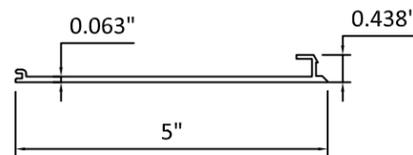
④ VERTICAL SIDE & INTERMEDIATE (FEMALE HALF)



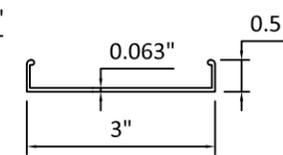
⑤ PRESSURE PLATE (HEAD, SILL, JAMBS)



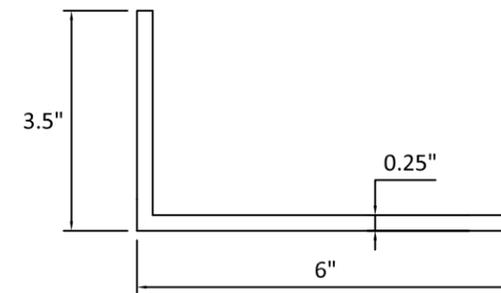
⑥ PRESSURE PLATE (INTERMEDIATE VERTICAL AND HORIZONTAL)



⑦ HEAD & SILL FRAME FILLER



⑧ PRESSURE PLATE COVER



⑨ INTERMEDIATE VERTICAL & SIDE FRAME MEMBER END CLIP ANCHORS

BILL OF MATERIALS			
ITEM	PART NO.	DESCRIPTION	MATERIAL
1	176211	HEAD & SILL FRAME	6063-T6
2	176007	INTERMEDIATE HORIZONTAL	
3	176001	VERTICAL SIDE & INTERMEDIATE FRAME (MALE HALF)	6063-T6
4	176002	VERTICAL SIDE & INTERMEDIATE FRAME (FEMALE HALF)	6063-T6
5	176203	PRESSURE PLATE (USED WITH HEAD, SILL AND JAMBS)	6063-T6
6	17602	PRESSURE PLATE (USED WITH INTERMEDIATE VERTICAL AND HORIZONTAL MEMBERS)	6063-T6
7	162020	SNAP-IN HEAD & SILL FRAME FILLER	
8	176011	PRESSURE PLATE COVER	6063-T6
9	176211	INTERMEDIATE VERTICAL & SIDE FRAME MEMBER END CLIP ANCHORS	6063-T6
10	27857	FIXED GASKET	TREMCO TR4726P EPDM DUROMETER 70 +/-5
11	127197	EXTERIOR GLAZING GASKET	TREMCO TR-20494P EPDM DUROMETER 60 +/-5
12	127196	INTERIOR GLAZING GASKET (WET GLAZED CONDITION)	TREMCO TR2983W EPDM DUROMETER 60 +/-5
13	127195	INTERIOR GLAZING GASKET (DRY GLAZED CONDITION)	TREMCO TR-19828E EPDM DUROMETER 60 +/-5
14	27493	FRAMING GASKET	INTEK 50172A SANTOPRENE DUROMETER 65 POLYPROPYLENE DUROMETER 80
15	27903	0.313" X 1.477" X 4.125" SETTING BLOCK	EPDM DUROMETER 85 +/-5
16	176310	THERMAL SEPARATOR	TREMCO TR-20087E EPDM DUROMETER 70 +/-5
17	128249	1/4" X 1 1/4" HWHTFS 300 SERIES S.S.	WITHIN 3" FROM ENDS & 9" MAX. O.C.
18	128509	NO.12 X 1" HWHTFS 300 SERIES S.S.	2 PER HEAD & SILL FRAMING MEMBER END 4 PER INTERMEDIATE HORIZONTAL MEMBER END
19	128401	NO. 10 X 1" FHTFS 300 SERIES S.S.	WITHIN 4" FROM ENDS & 48" MAX. O.C.



555 GUTHRIDGE CT
NORCROSS, GA 30092
PH: (770) 840-6431

TITLE: SERIES 1630 SS CURTAIN WALL SYSTEM (IMPACT)
COMPONENTS & BILL OF MATERIALS
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DWG. BY: E.R. CHK. BY: HFN
SCALE: NTS
DWG. #: KAW018
SECTION: 7.0
SHEET 14 OF 14

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