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CONDADO WINDOW

ACCORDION SHUTTER

(HVHZ) (IMPACT)

GENERAL NOTES:

- 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:
 - ASTM E330-14
 - ASTM E1886-19
 - ASTM E1996-20
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X 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.
- 1X 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.
- 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.
- INSTALLATION OF ROLL DOWN MAY EITHER BE INSIDE OR OUTSIDE OF THE TIE BEAM.
- ALL EXTRUSION MATERIAL: 6063-T6 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
- SHUTTER MANUFACTURER LABEL SHALL BE LOCATED IN A READILY VISIBLE LOCATION, PER SECTION 1709.9.3.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 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.
- REFER TO ANCHOR SCHEDULE & SPACING CHARTS ON SHEETS 5 - 12 FOR ANCHOR TYPE, SPACING, SUBSTRATE TYPE, EDGE DISTANCE AND MINIMUM EMBEDMENT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- ASSEMBLY FASTENERS SHALL HAVE A CORROSION RESISTANT COATING.
- EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 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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TITLE:
ACCORDION SHUTTER
(HVHZ) (IMPACT)
GENERAL & INSTALLATION NOTES

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REMARKS	BY	DATE

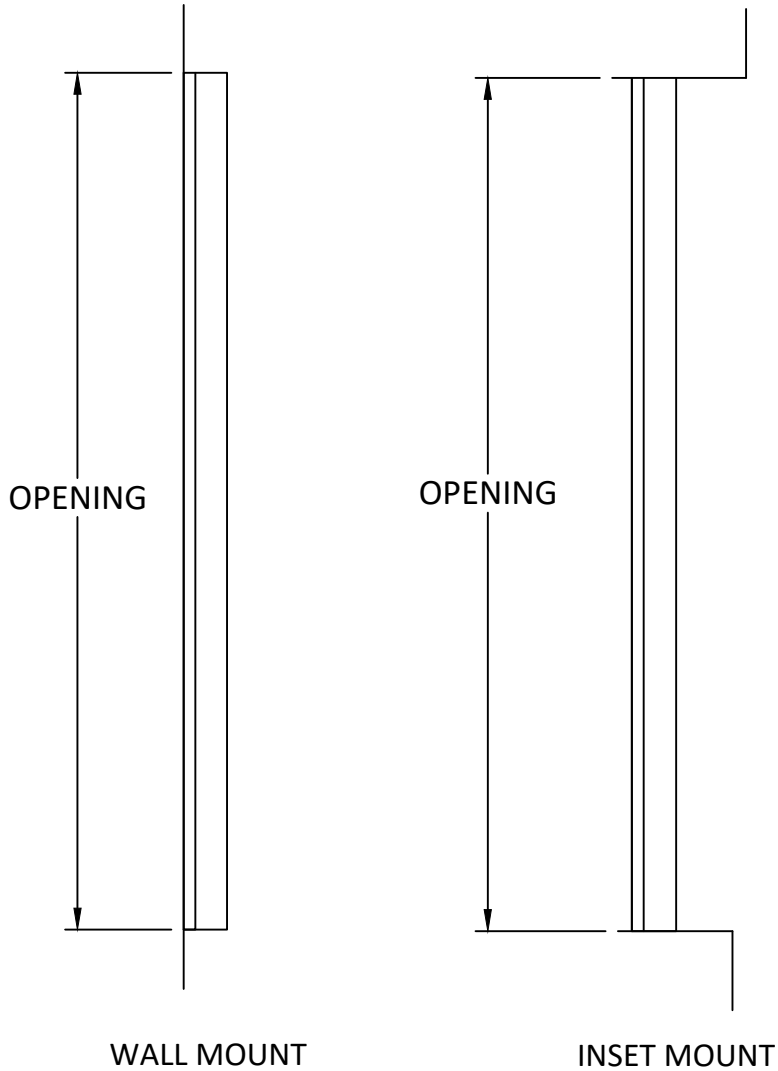
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Reason: I am approving this document
Date: 2024.10.30 11:49:27 -04'00'



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SHEET:	1 OF 14

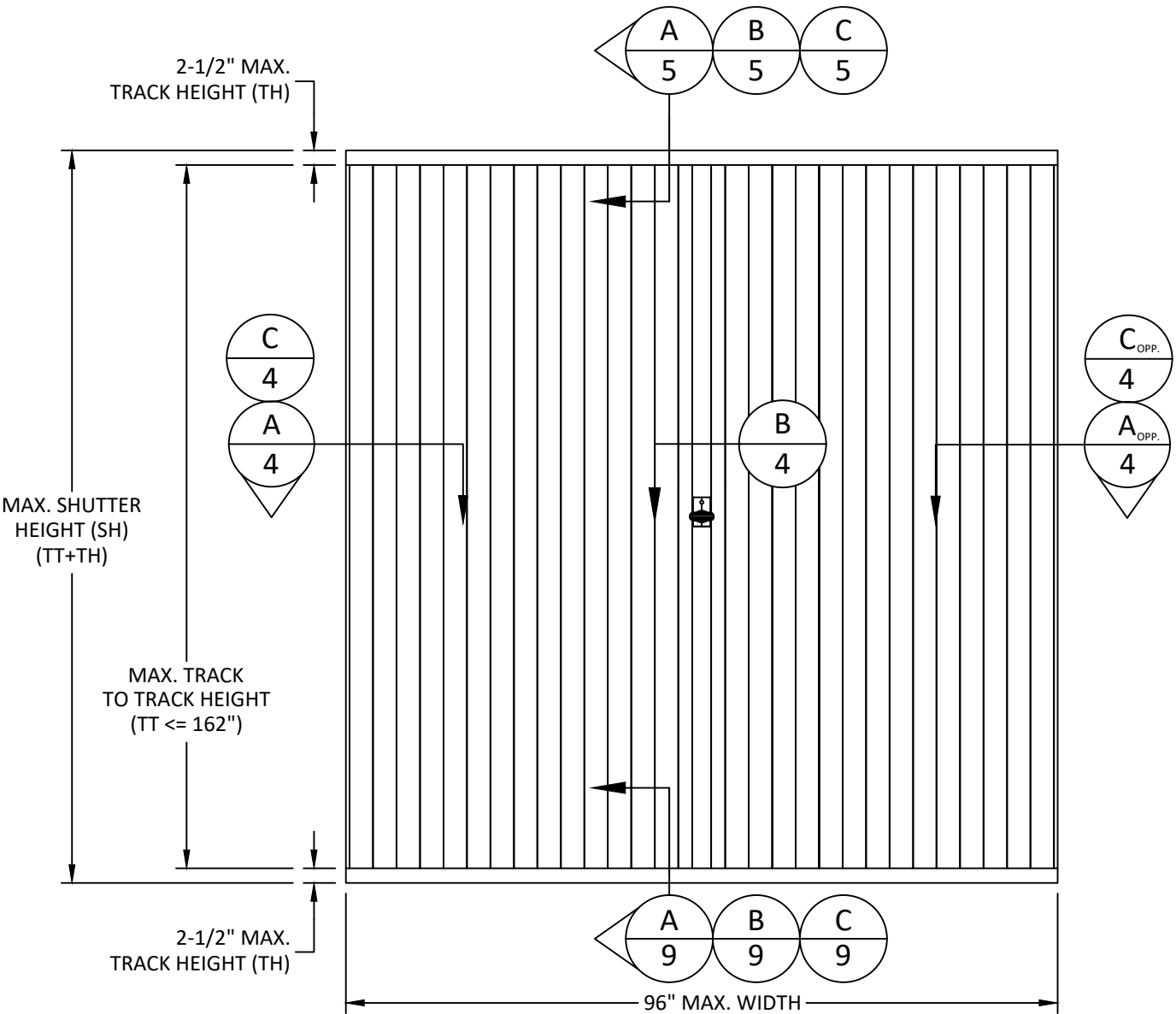
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A
2

WALL OPENING DETAIL

- NOTE:
- TOP AND BOTTOM TRACKS ARE INTERCHANGEABLE.
 - WALL MOUNTS AND INSET MOUNTS MAY BE USED IN SAME INSTALLATION.
 - SEE SHEET 4 FOR JAMB DETAILS.
 - SEE SHEET 5 & 9 FOR TOP AND BOTTOM TRACK DETAILS.



- NOTE:
- INDIVIDUAL TRACK HEIGHTS (TH) ARE REPRESENTED ON BILL OF MATERIALS, SHEET 14.



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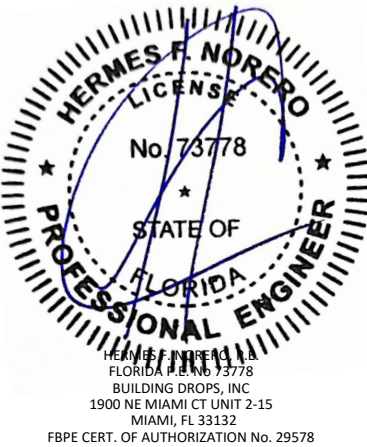
TITLE: ACCORDION SHUTTER
(HVHZ) (IMPACT)
ELEVATION

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OF 14

TABLE 1 :
DESIGN PRESSURE RATINGS

TABLE 1 - MAX ALLOWABLE DESIGN PRESSURE W/ END RETENTION		
TT MAX	POSITIVE	NEGATIVE
162	30.0	40.0
146	50.0	50.0
133	60.0	60.0
123	70.0	70.0
112	85.0	85.0
103	100.0	100.0
96	115.0	115.0
82	135.0	135.0
77	145.0	145.0
72	155.0	155.0
67	165.0	165.0
63	175.0	175.0
60	185.0	185.0
NOTES: 1. DESIGN PRESSURES MUST NOT EXCEED 185 PSF. 2. SHUTTER SIZE (TT) MUST NOT EXCEED 162". 3. SEE TABLE 2 FOR GLASS SEPERATION. 4. SEE TABLE 3 FOR APPROPRIATE ANCHOR SPACING FOR TOP TRACK MOUNT INSTALLATION. 5. SEE TABLE 4 FOR APPROPRIATE ANCHOR SPACING FOR BOTTOM TRACK MOUNT INSTALLATION.		

TABLE 2:
GLASS SEPARATION TABLE

TABLE 2: GLASS SEPARATION (GS) INCHES													
LOAD (PSF)	TRACK TO TRACK (IN)												
	60	63	67	72	77	82	96	103	112	123	133	146	162
30	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	7.00	7.00	7.00	7.00
35	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	7.00	7.00	7.00	8.00
40	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	7.00	7.00	7.50	10.00
45	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	7.00	7.00	8.25	-
50	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	7.00	7.25	9.25	-
55	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	7.00	8.00	-	-
60	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	7.00	8.50	-	-
65	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	7.50	-	-	-
70	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	8.00	-	-	-
75	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.00	-	-	-	-
80	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.25	-	-	-	-
85	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	7.50	-	-	-	-
90	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	-	-	-	-	-
95	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.00	-	-	-	-	-
100	5.50	5.50	5.50	5.50	5.50	5.50	7.00	7.25	-	-	-	-	-
105	5.50	5.50	5.50	5.50	5.50	5.50	7.00	-	-	-	-	-	-
110	5.50	5.50	5.50	5.50	5.50	5.50	7.00	-	-	-	-	-	-
115	5.50	5.50	5.50	5.50	5.50	5.50	7.00	-	-	-	-	-	-
120	5.50	5.50	5.50	5.50	5.50	5.75	-	-	-	-	-	-	-
125	5.50	5.50	5.50	5.50	5.50	6.00	-	-	-	-	-	-	-
130	5.50	5.50	5.50	5.50	5.50	6.00	-	-	-	-	-	-	-
135	5.50	5.50	5.50	5.50	5.75	6.25	-	-	-	-	-	-	-
140	5.50	5.50	5.50	5.50	6.00	-	-	-	-	-	-	-	-
145	5.50	5.50	5.50	5.50	6.00	-	-	-	-	-	-	-	-
150	5.50	5.50	5.50	5.75	-	-	-	-	-	-	-	-	-
155	5.50	5.50	5.50	5.75	-	-	-	-	-	-	-	-	-
160	5.50	5.50	5.50	-	-	-	-	-	-	-	-	-	-
165	5.50	5.50	5.75	-	-	-	-	-	-	-	-	-	-
170	5.50	5.50	-	-	-	-	-	-	-	-	-	-	-
175	5.50	5.50	-	-	-	-	-	-	-	-	-	-	-
180	5.50	-	-	-	-	-	-	-	-	-	-	-	-
185	5.50	-	-	-	-	-	-	-	-	-	-	-	-

- NOTE:
- MINIMUM GLASS SEPARATION BASED ON MAXIMUM DEFLECTION +1"
 - ANALYSIS LIMITED BY DEFLECTION UNDER STRUCTURAL LOADS AS WELL AS DEFLECTION DUE TO MISSILE LEVEL D LARGE MISSILE IMPACTS.
 - APPROPRIATE INSTALLATION METHOD SHALL BE USED TO ACHIEVE THE REQUIRED SEPARATION IN THE ABOVE TABLE.
 - GLASS SEPARATION IS REQUIRED IN HVHZ AREAS, GLASS SEPARATION TO BE DETERMINED BY AHJ OUTSIDE OF HVHZ REGION



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TITLE:
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(HVHZ) (IMPACT)

DESIGN PRESSURE & GLASS
SEPARATION TABLES

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
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PROFESSIONAL ENGINEER
FLORIDA #E No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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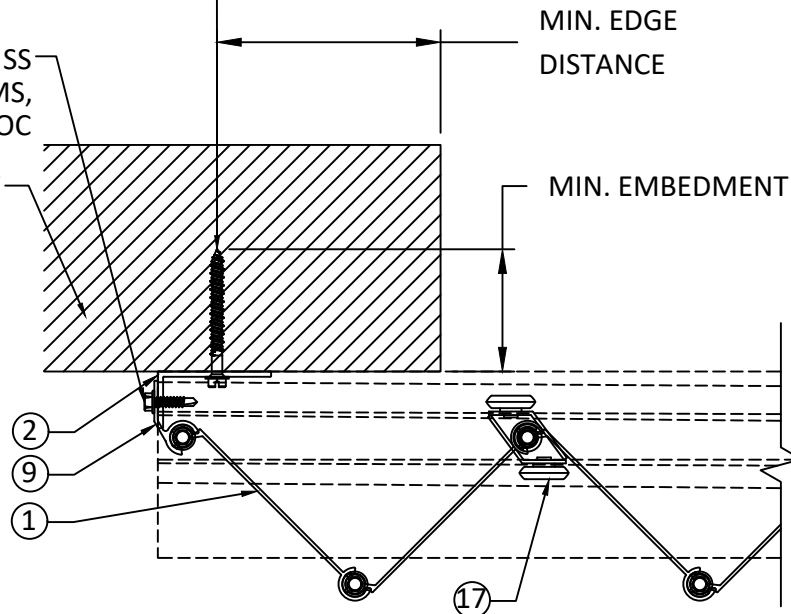
SEE ANCHOR SCHEDULE BELOW,
STARTING BLADE TO BE
ANCHORED 6" FROM CORNERS
WITH 12" O.C SPACING.

#10-3/4" 18-8 SS
HWH SMS,
MAX 12" OC

SUBSTRATE BY
OTHERS

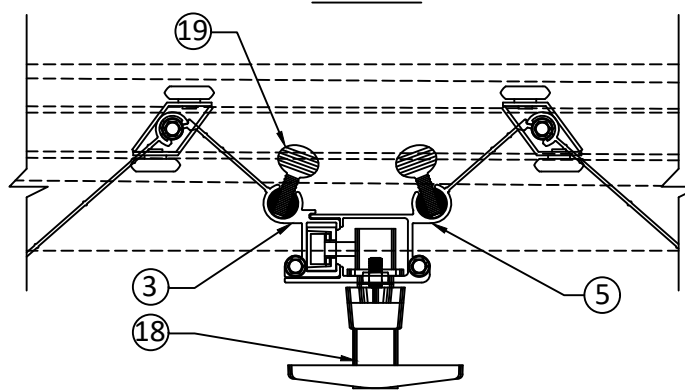
MIN. EDGE
DISTANCE

MIN. EMBEDMENT



A
4 HORIZONTAL SECTION
JAMB
WALL MOUNT

INTERIOR



EXTERIOR

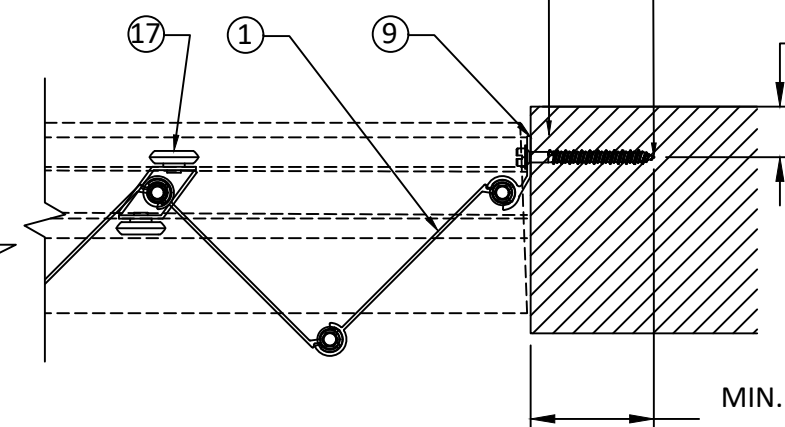
B
4 HORIZONTAL SECTION
CENTER LOCK

SUBSTRATE BY
OTHERS

SEE ANCHOR SCHEDULE
BELOW, STARTING BLADE
TO BE ANCHORED 6" FROM
CORNERS WITH 12" O.C
SPACING.

MIN. EDGE
DISTANCE

MIN.
EMBEDMENT



C
4 HORIZONTAL SECTION
JAMB
INSET MOUNT

ANCHOR SCHEDULE				
ANCHOR	DESCRIPTION	MATERIAL	MIN. EDGE DISTANCE	MIN. EMBEDMENT
A	#14 WOOD SCREW	WOOD, MIN. SG = 0.55	3/4"	1-1/2"
B	1/4" SELF DRILLING SCREW (GRADE 5)	3/16" A36 STEEL	1/2"	3 THREADS MIN. PENETRATION BEYOND METAL WALL
C	1/4" SELF DRILLING SCREW (GRADE 5)	3/8" 6063-T5 ALUMINUM	1/2"	
D	1/4" DEWALT SCREW-BOLT+	CONCRETE, MIN. 3000 PSI	3-1/2"	2-1/2"
E	1/4" DEWALT SCREW-BOLT+	GROUT FILLED C-90 BLOCK	3-1/2"	2-1/2"



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HORIZONTAL SECTIONS

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TITLE: ACCORDION SHUTTER
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TOP TRACK VERTICAL
SECTION & ANCHOR SCHEDULE

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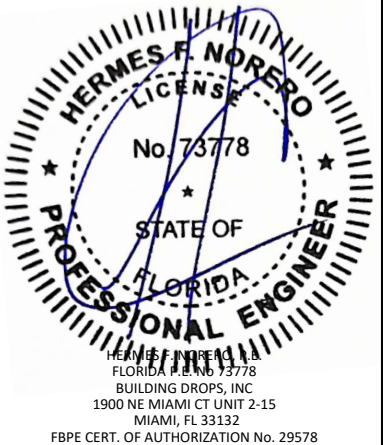
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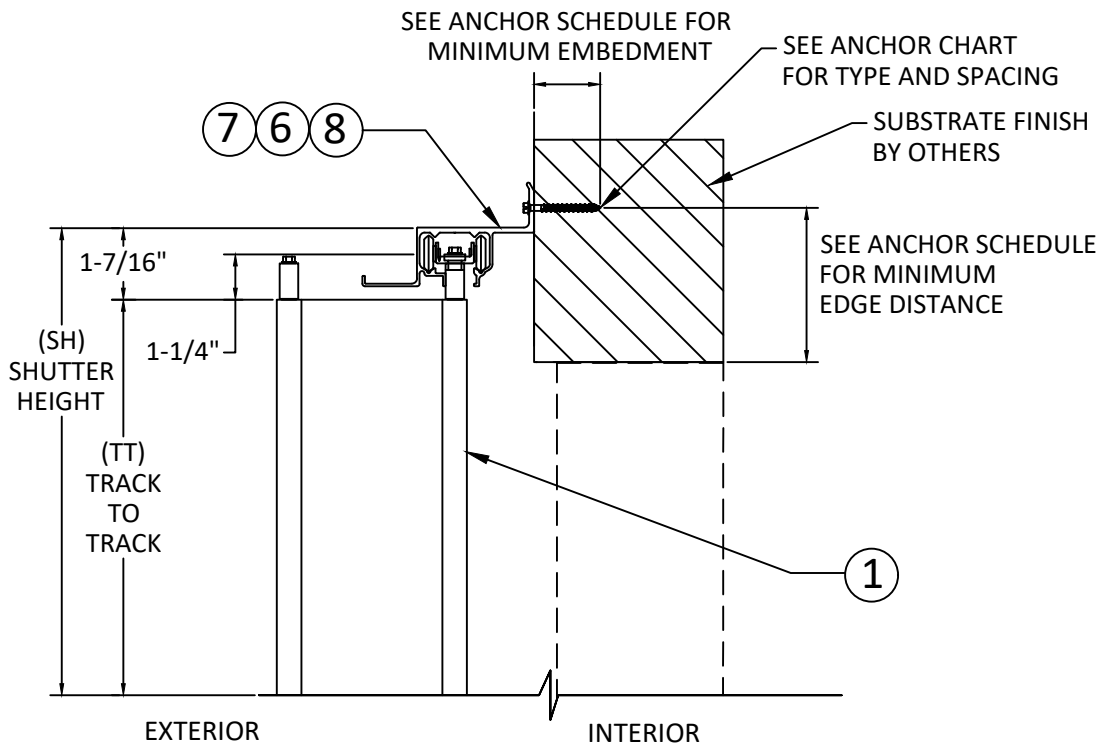
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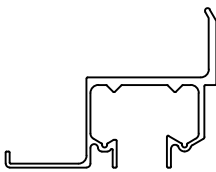


A
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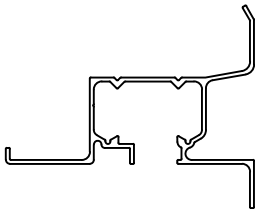
VERTICAL SECTION

MOUNT A, G, H
WALL MOUNT

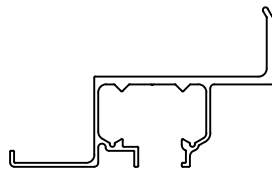
NOTE: WORST CASE SCENARIO WAS USED TO CALCULATE ANCHOR CAPACITY FOR MOUNT A, G, AND H. SEE TOP TRACK SPACING ON SHEETS 6-8 FOR ANCHOR SPACING.



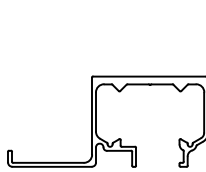
MOUNT G



MOUNT H

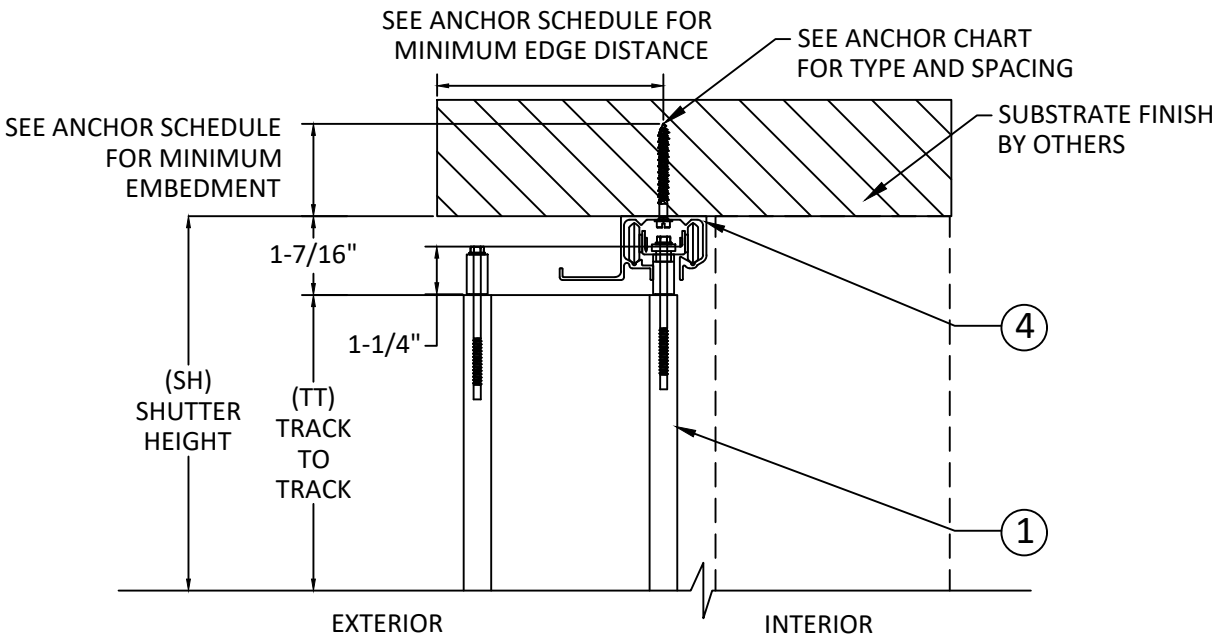


MOUNT A



MOUNT D

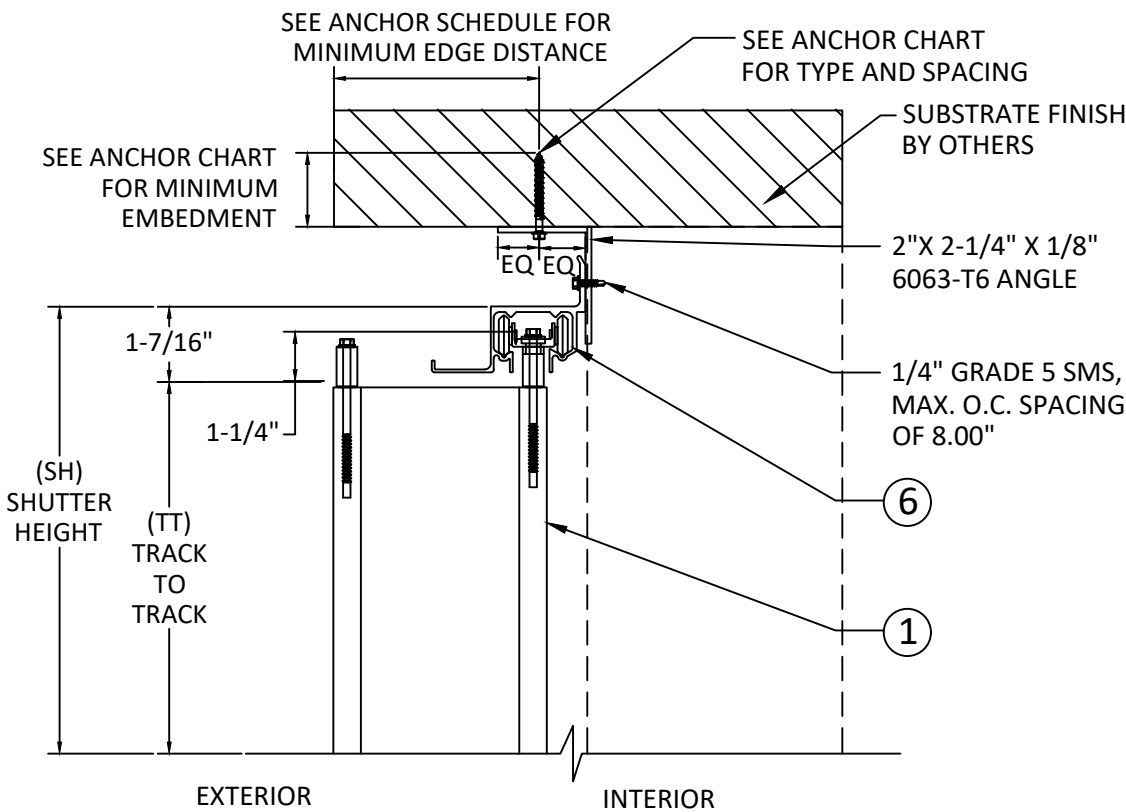
ANCHOR SCHEDULE				
ANCHOR	DESCRIPTION	MATERIAL	MIN. EDGE DISTANCE	MIN. EMBEDMENT
A	#14 WOOD SCREW	WOOD, MIN. SG = 0.55	3/4"	1-1/2"
B	1/4" SELF DRILLING SCREW (GRADE 5)	3/16" A36 STEEL	1/2"	3 THREADS MIN. PENETRATION BEYOND METAL WALL
C	1/4" SELF DRILLING SCREW (GRADE 5)	3/8" 6063-T5 ALUMINUM	1/2"	
D	1/4" DEWALT SCREW-BOLT+	CONCRETE, MIN. 3000 PSI	3-1/2"	2-1/2"
E	1/4" DEWALT SCREW-BOLT+	GROUT FILLED C-90 BLOCK	3-1/2"	2-1/2"



B
5

VERTICAL DETAILS

MOUNT D
INSET MOUNT



C
5

VERTICAL DETAILS

MOUNT C (MOUNT G WITH ANGLE)
INSET MOUNT

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TOP TRACK ANCHOR SPACING

TABLE 3 - TOP TRACK ANCHOR SPACING																
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT D					MOUNT C (ANGLE)				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
60	30	8	8	8	8	8	10	10	10	10	10	6	10	10	10	6
	35	8	8	8	8	8	10	10	10	10	10	6	10	10	10	6
	40	8	8	8	8	8	10	10	10	10	10	6	10	10	10	6
	45	8	8	8	8	8	9	10	9	10	10	5	10	9	9	6
	50	8	8	8	8	8	8	10	8	10	10	4	10	8	8	5
	55	8	8	8	8	8	8	10	7	10	9	4	10	7	7	4
	60	8	8	8	8	8	7	10	7	10	8	4	9	7	7	4
	65	8	8	8	8	8	6	10	6	10	8	3	8	6	6	4
	70	8	8	8	8	8	6	10	6	10	7	3	7	6	6	3
	75	8	8	8	8	8	5	10	5	10	7	3	7	5	5	3
	80	8	8	8	8	8	5	10	5	10	6	3	6	5	5	3
	85	8	8	8	8	8	5	10	4	9	6	-	6	4	5	3
	90	8	8	8	8	8	4	10	4	9	5	-	6	4	4	3
	95	8	8	8	8	8	4	9	4	8	5	-	5	4	4	-
	100	8	8	8	8	8	4	9	4	8	5	-	5	4	4	-
	105	8	8	8	8	8	4	8	3	8	5	-	5	4	4	-
	110	8	8	8	8	8	3	8	3	7	4	-	5	3	3	-
	115	8	8	8	8	8	3	8	3	7	4	-	4	3	3	-
	120	8	8	8	8	8	3	7	3	7	4	-	4	3	3	-
	125	8	8	8	8	8	3	7	3	6	4	-	4	3	3	-
	130	8	8	8	8	8	3	7	3	6	4	-	4	3	3	-
	135	8	8	8	8	8	3	6	3	6	3	-	4	3	3	-
	140	8	8	8	8	8	3	6	-	6	3	-	3	3	3	-
	145	8	8	8	8	8	3	6	-	5	3	-	3	-	-	-
	150	8	8	8	8	8	-	6	-	5	3	-	3	-	-	-
	155	8	8	8	8	8	-	5	-	5	3	-	3	-	-	-
	160	8	7	8	8	8	-	5	-	5	3	-	3	-	-	-
	165	8	7	8	8	8	-	5	-	5	3	-	3	-	-	-
	170	8	6	8	8	8	-	5	-	4	3	-	3	-	-	-
	175	8	6	8	8	8	-	5	-	4	3	-	3	-	-	-
	180	8	6	8	8	8	-	5	-	4	-	-	3	-	-	-
	185	8	6	8	8	8	-	5	-	4	-	-	3	-	-	-

NOTE:

- FOR ANCHOR TYPE A, ANCHORS MUST BE ANCHORED A MAXIMUM 4" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN TABLES.
- FOR ANCHOR TYPES B / C / D / E, ANCHORS MUST BE ANCHORED A MAXIMUM 3" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN THE TABLES.

TABLE 3 - TOP TRACK ANCHOR SPACING																
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT D					MOUNT C (ANGLE)				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
63	30	8	8	8	8	8	10	10	9	10	10	5	10	10	10	6
	35	8	8	8	8	8	10	10	9	10	10	5	10	10	10	6
	40	8	8	8	8	8	10	10	9	10	10	5	10	10	10	6
	45	8	8	8	8	8	9	10	8	10	10	5	10	8	8	5
	50	8	8	8	8	8	8	10	7	10	10	4	10	8	8	5
	55	8	8	8	8	8	7	10	7	10	9	4	9	7	7	4
	60	8	8	8	8	8	6	10	6	10	8	3	8	6	6	4
	65	8	8	8	8	8	6	10	6	10	7	3	8	6	6	3
	70	8	8	8	8	8	5	10	5	10	7	3	7	5	5	3
	75	8	8	8	8	8	5	10	5	10	6	3	7	5	5	3
	80	8	8	8	8	8	5	10	4	10	6	-	6	5	5	3
	85	8	8	8	8	8	4	10	4	9	5	-	6	4	4	3
	90	8	8	8	8	8	4	9	4	8	5	-	5	4	4	-
	95	8	8	7	8	8	4	9	4	8	5	-	5	4	4	-
	100	6	8	4	8	7	4	8	3	8	5	-	5	4	4	-
	105	5	8	4	8	7	3	8	3	7	4	-	5	3	3	-
	110	5	8	4	8	6	3	7	3	7	4	-	4	3	3	-
	115	5	8	4	8	6	3	7	3	6	4	-	4	3	3	-
	120	5	8	4	8	6	3	7	3	6	4	-	4	3	3	-
	125	4	8	3	8	6	3	7	3	6	4	-	4	3	3	-
	130	4	8	3	8	5	3	6	3	6	3	-	4	3	3	-
	135	4	8	3	8	5	3	6	-	5	3	-	3	-	-	-
	140	4	8	3	8	5	-	6	-	5	3	-	3	-	-	-
	145	4	8	3	8	5	-	6	-	5	3	-	3	-	-	-
	150	4	8	3	8	5	-	5	-	5	3	-	3	-	-	-
	155	3	7	3	7	4	-	5	-	5	3	-	3	-	-	-
	160	3	7	3	7	4	-	5	-	5	3	-	3	-	-	-
	165	3	7	3	7	4	-	5	-	4	3	-	3	-	-	-
	170	3	7	-	7	4	-	5	-	4	-	-	3	-	-	-
	175	3	7	-	6	4	-	5	-	4	-	-	3	-	-	-
67	30	8	8	8	8	8	9	10	9	10	10	6	10	5	10	8
	35	8	8	8	8	8	9	10	9	10	10	6	10	5	10	8
	40	8	8	8	8	8	9	10	9	10	10	6	10	5	10	8
	45	8	8	8	8	8	8	10	8	10	10	6	10	5	10	7
	50	8	8	8	8	8	7	10	7	10	9	5	10	4	10	6
	55	8	8	8	8	8	7	10	6	10	8	4	10	4	9	6
	60	8	8	8	8	8	6	10	6	10	8	4	9	3	8	5
	65	8	8	8	8	8	6	10	5	10	7	4	8	3	8	5
	70	8	8	8	8	8	5	10	5	10	6	3	8	3	7	4
	75	8	8	8	8	8	5	10	5	10	6	3	7	3	7	4
	80	8	8	8	8	8	4	10	4	9	6	3	7	-	6	4
	85	8	8	8	8	8	4	9	4	8	5	3	6	-	6	3
	90	8	8	7	8	8	4	9	4	8	5	3	6	-	5	3
	95	6	8	4	8	7	4	8	3	7	5	-	5	-	5	3
	100	5	8	4	8	7	3	8	3	7	4	-	5	-	5	3
	105	5	8	4	8	6	3	7	3	7	4	-	5	-	5	3
	110	5	8	4	8	6	3	7	3	6	4	-	5	-	4	3
	115	4	8	4	8	6	3	7	3	6	4	-	4	-	4	-
	120	4	8	3	8	6	3	6	3	6	4	-	4	-	4	-
	125	4	8	3	8	5	3	6	3	6	3	-	4	-	4	-
	130	4	8	3	8	5	3	6	-	5	3	-	4	-	4	-
	135	4	8	3	8	5	-	6	-	5	3	-	4	-	3	-
	140	4	8	3	8	5	-	5	-	5	3	-	3	-	3	-
	145	3	8	3	7	5	-	5	-	5	3	-	3	-	3	-
	150	3	7	3	7	4	-	5	-	5	3	-	3	-	3	-
155	3	7	3	7	4	-	5	-	4	3	-	3	-	3	-	
160	3	7	-	7	4	-	5	-	4	3	-	3	-	3	-	
165	3	7	-	6	4	-	5	-	4	-	-	3	-	3	-	



CONDADO WINDOW
903RH TODD AVENUE SAN JUAN,
PUERTO RICO 00907
PH: (787) 723-5469 FAX: (787)722-1395

TITLE:
ACCORDION SHUTTER
(HVHZ) (IMPACT)
TOP TRACK ANCHOR SPACING

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
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
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FLORIDA #EIN 73778
BUILDING DROPS, INC
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#: FL47090

DATE: 06.27.24

DWG. BY: FBCHK. BY: HFN

SCALE: NTS

DWG. #: CDW018

SHEET:

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TOP TRACK ANCHOR SPACING

TABLE 3 - TOP TRACK ANCHOR SPACING																
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT D					MOUNT C (ANGLE)				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
72	30	8	8	8	8	8	9	10	8	10	10	6	10	5	10	7
	35	8	8	8	8	8	9	10	8	10	10	6	10	5	10	7
	40	8	8	8	8	8	9	10	8	10	10	6	10	5	10	7
	45	8	8	8	8	8	8	10	7	10	10	5	10	4	10	7
	50	8	8	8	8	8	7	10	7	10	9	5	10	4	10	6
	55	8	8	8	8	8	6	10	6	10	8	4	9	4	9	5
	60	8	8	8	8	8	6	10	5	10	7	4	8	3	8	5
	65	8	8	8	8	8	5	10	5	10	6	3	8	3	7	4
	70	8	8	8	8	8	5	10	5	10	6	3	7	3	7	4
	75	8	8	8	8	8	4	10	4	9	6	3	7	-	6	4
	80	8	8	8	8	8	4	9	4	8	5	3	6	-	6	3
	85	8	8	7	8	8	4	9	4	8	5	3	6	-	5	3
	90	6	8	4	8	7	4	8	3	7	5	-	5	-	5	3
	95	5	8	4	8	7	3	8	3	7	4	-	5	-	5	3
	100	5	8	4	8	6	3	7	3	7	4	-	5	-	5	3
	105	5	8	4	8	6	3	7	3	6	4	-	5	-	4	3
	110	4	8	4	8	6	3	7	3	6	4	-	4	-	4	-
	115	4	8	3	8	5	3	6	3	6	3	-	4	-	4	-
	120	4	8	3	8	5	3	6	-	5	3	-	4	-	4	-
	125	4	8	3	8	5	-	6	-	5	3	-	4	-	4	-
130	4	8	3	8	5	-	6	-	5	3	-	4	-	3	-	
135	4	8	3	8	5	-	5	-	5	3	-	3	-	3	-	
140	3	7	3	7	4	-	5	-	5	3	-	3	-	3	-	
145	3	7	3	7	4	-	5	-	4	3	-	3	-	3	-	
150	3	7	-	7	4	-	5	-	4	3	-	3	-	3	-	
155	3	7	-	7	4	-	5	-	4	-	-	3	-	3	-	
77	30	8	8	8	8	8	8	10	8	10	10	6	10	5	10	7
	34	8	8	8	8	8	8	10	8	10	10	6	10	5	10	7
	40	8	8	8	8	8	8	10	8	10	10	6	10	5	10	7
	45	8	8	8	8	8	7	10	7	10	9	5	10	4	10	6
	50	8	8	8	8	8	7	10	6	10	8	4	9	4	9	5
	55	8	8	8	8	8	6	10	6	10	7	4	9	3	8	5
	60	8	8	8	8	8	5	10	5	10	7	4	8	3	7	4
	65	8	8	8	8	8	5	10	5	10	6	3	7	3	7	4
	70	8	8	8	8	8	5	10	4	9	6	3	7	-	6	4
	75	8	8	8	8	8	4	9	4	8	5	3	6	-	6	3
	80	8	8	7	8	8	4	9	4	8	5	3	6	-	5	3
	85	5	8	4	8	7	4	8	3	7	5	-	5	-	5	3
	90	5	8	4	8	7	3	8	3	7	4	-	5	-	5	3
	95	5	8	4	8	6	3	7	3	7	4	-	5	-	4	3
	100	5	8	4	8	6	3	7	3	6	4	-	4	-	4	-
	105	4	8	3	8	6	3	7	3	6	4	-	4	-	4	-
	110	4	8	3	8	5	3	6	3	6	3	-	4	-	4	-
	115	4	8	3	8	5	3	6	-	5	3	-	4	-	4	-
	120	4	8	3	8	5	-	6	-	5	3	-	4	-	3	-
	125	4	8	3	8	5	-	5	-	5	3	-	3	-	3	-
130	3	7	3	7	4	-	5	-	5	3	-	3	-	3	-	
135	3	7	3	7	4	-	5	-	4	3	-	3	-	3	-	
140	3	7	-	7	4	-	5	-	4	3	-	3	-	3	-	
145	3	7	-	7	4	-	5	-	4	-	-	3	-	3	-	

TABLE 3 - TOP TRACK ANCHOR SPACING																
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT D					MOUNT C (ANGLE)				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
82	30	8	8	8	8	8	8	10	7	10	9	5	10	4	10	6
	35	8	8	8	8	8	8	10	7	10	9	5	10	4	10	6
	40	8	8	8	8	8	8	10	7	10	9	5	10	4	10	6
	45	8	8	8	8	8	7	10	6	10	8	4	10	4	9	6
	50	8	8	8	8	8	6	10	6	10	7	4	9	3	8	5
	55	8	8	8	8	8	5	10	5	10	7	4	8	3	8	5
	60	8	8	8	8	8	5	10	5	10	6	3	7	3	7	4
	65	8	8	8	8	8	5	10	4	9	6	3	7	-	6	4
	70	8	8	8	8	8	4	9	4	8	5	3	6	-	6	3
	75	6	8	5	8	8	4	9	4	8	5	-	6	-	5	3
	80	5	8	4	8	7	4	8	3	7	4	-	5	-	5	3
	85	5	8	4	8	7	3	8	3	7	4	-	5	-	5	3
	90	5	8	4	8	6	3	7	3	6	4	-	5	-	4	3
	95	5	8	4	8	6	3	7	3	6	4	-	4	-	4	-
	100	4	8	3	8	6	3	6	3	6	3	-	4	-	4	-
	105	4	8	3	8	5	3	6	-	5	3	-	4	-	4	-
	110	4	8	3	8	5	-	6	-	5	3	-	4	-	4	-
	115	4	8	3	8	5	-	5	-	5	3	-	4	-	3	-
	120	3	8	3	7	5	-	5	-	5	3	-	3	-	3	-
	125	3	7	3	7	4	-	5	-	5	3	-	3	-	3	-
130	3	7	3	7	4	-	5	-	4	3	-	3	-	3	-	
135	3	7	-	7	4	-	5	-	4	-	-	3	-	3	-	
96	30	8	8	8	8	8	7	10	6	10	8	4	10	4	9	6
	35	8	8	8	8	8	7	10	6	10	8	4	10	4	9	6
	40	8	8	8	8	8	7	10	6	10	8	4	10	4	9	6
	45	8	8	8	8	8	6	10	6	10	7	4	8	3	8	5
	50	8	8	8	8	8	5	10	5	10	6	3	8	3	7	4
	55	8	8	8	8	8	5	10	4	9	6	3	7	3	6	4
	60	8	8	8	8	8	4	9	4	9	5	3	6	-	6	4
	65	6	8	5	8	8	4	9	4	8	5	-	6	-	5	3
	70	5	8	4	8	7	4	8	3	7	4	-	5	-	5	3
	75	5	8	4	8	6	3	7	3	7	4	-	5	-	5	3
	80	5	8	4	8	6	3	7	3	6	4	-	5	-	4	3
	85	4	8	3	8	6	3	6	3	6	4	-	4	-	4	-
	90	4	8	3	8	5	3	6	-	6	3	-	4	-	4	-
	95	4	8	3	8	5	-	6	-	5	3	-	4	-	4	-
	100	4	8	3	8	5	-	5	-	5	3	-	4	-	3	-
105	3	8	3	7	4	-	5	-	5	3	-	3	-	3	-	
110	3	7	3	7	4	-	5	-	4	3	-	3	-	3	-	
115	3	7	-	7	4	-	5	-	4	-	-	3	-	3	-	

- NOTE:
- FOR ANCHOR TYPE A, ANCHORS MUST BE ANCHORED A MAXIMUM 4" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN TABLES.
 - FOR ANCHOR TYPES B / C / D / E, ANCHORS MUST BE ANCHORED A MAXIMUM 3" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN THE TABLES.



CONDADO WINDOW
903RH TODD AVENUE SAN JUAN,
PUERTO RICO 00907
PH: (787) 723-5469 FAX: (787)722-1395

TITLE:
ACCORDION SHUTTER
(HVHZ) (IMPACT)
TOP TRACK ANCHOR
SPACING

PREPARED BY:
BUILDING DROPS, INC.
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REMARKS	BY	DATE

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FLORIDA LICENSE NO. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#:
FL47090

DATE:
06.27.24

DWG. BY:
FB

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
CDW018

SHEET:

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TOP TRACK ANCHOR SPACING

TABLE 3 - TOP TRACK ANCHOR SPACING																
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT D					MOUNT C (ANGLE)				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
103	30	8	8	8	8	8	6	10	6	10	8	4	9	3	8	5
	35	8	8	8	8	8	6	10	6	10	8	4	9	3	8	5
	40	8	8	8	8	8	6	10	6	10	8	4	9	3	8	5
	45	8	8	8	8	8	5	10	5	10	7	4	8	3	7	5
	50	8	8	8	8	8	5	10	5	10	6	3	7	3	7	4
	55	7	8	5	8	8	4	10	4	9	5	3	6	-	6	4
	60	6	8	5	8	8	4	9	4	8	5	3	6	-	5	3
	65	5	8	4	8	7	4	8	3	7	4	-	5	-	5	3
	70	5	8	4	8	7	3	7	3	7	4	-	5	-	5	3
	75	5	8	4	8	6	3	7	3	6	4	-	4	-	4	3
	80	4	8	3	8	6	3	6	3	6	4	-	4	-	4	-
	85	4	8	3	8	5	3	6	-	5	3	-	4	-	4	-
112	90	4	8	3	8	5	-	6	-	5	3	-	4	-	3	-
	95	4	8	3	8	5	-	5	-	5	3	-	3	-	3	-
	100	3	7	3	7	4	-	5	-	5	3	-	3	-	3	-
	30	8	8	8	8	8	6	10	5	10	7	4	8	3	8	5
	35	8	8	8	8	8	6	10	5	10	7	4	8	3	8	5
	40	8	8	8	8	8	6	10	5	10	7	4	8	3	8	5
	45	7	8	6	8	8	5	10	5	10	6	3	7	3	7	4
	50	7	8	5	8	8	4	10	4	9	5	3	6	-	6	4
	55	6	8	5	8	8	4	9	4	8	5	3	6	-	5	3
	60	5	8	4	8	7	4	8	3	7	4	-	5	-	5	3
	65	5	8	4	8	7	3	7	3	7	4	-	5	-	5	3
	70	5	8	4	8	6	3	7	3	6	4	-	4	-	4	-
123	75	4	8	3	8	6	3	6	3	6	3	-	4	-	4	-
	80	4	8	3	8	5	3	6	-	5	3	-	4	-	4	-
	85	4	8	3	8	5	-	6	-	5	3	-	4	-	3	-
	30	8	8	6	8	8	5	10	5	10	6	3	7	3	7	4
	35	8	8	6	8	8	5	10	5	10	6	3	7	3	7	4
	40	8	8	6	8	8	5	10	5	10	6	3	7	3	7	4
	45	7	8	5	8	8	4	10	4	9	6	3	7	-	6	4
	50	6	8	5	8	8	4	9	4	8	5	3	6	-	5	3
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	60	5	8	4	8	6	3	7	3	6	4	-	4	-	4	3
	65	5	8	4	8	6	3	7	3	6	4	-	4	-	4	-
	70	4	8	3	8	5	3	6	3	6	3	-	4	-	4	-
	30	7	8	6	8	8	5	10	4	9	6	-	6	4	5	3
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	50	6	8	4	8	7	4	8	3	7	5	-	5	3	4	-
	55	5	8	4	8	7	3	7	3	7	4	-	4	3	3	-
	60	5	8	4	8	6	3	7	3	6	4	-	4	3	3	-
162	30	6	8	5	8	8	4	9	4	9	5	-	6	4	4	-
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	40	6	8	5	8	8	4	9	4	9	5	-	6	4	4	-
	45	6	8	5	8	7	4	8	4	8	5	-	5	4	4	-
	50	5	8	4	8	7	3	7	3	7	4	-	4	3	3	-
162	30	6	8	5	8	8	4	9	4	8	5	-	5	4	4	-
	35	6	8	5	8	8	4	9	4	8	5	-	5	4	4	-
	40	6	8	5	8	8	4	9	4	8	5	-	5	4	4	-

- NOTE:
- FOR ANCHOR TYPE A, ANCHORS MUST BE ANCHORED A MAXIMUM 4" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN TABLES.
 - FOR ANCHOR TYPES B / C / D / E, ANCHORS MUST BE ANCHORED A MAXIMUM 3" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN THE TABLES.



CONDADO WINDOW
903RH TODD AVENUE SAN JUAN,
PUERTO RICO 00907
PH: (787) 723-5469 FAX: (787)722-1395

TITLE:
ACCORDION SHUTTER
(HVHZ) (IMPACT)

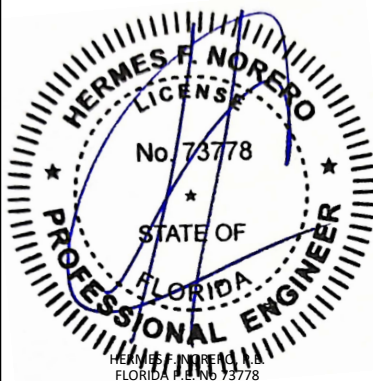
TOP TRACK ANCHOR SPACING

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
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.



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LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FLORIDA License No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#: **FL47090**

DATE: **06.27.24**

DWG. BY:
FB

CHK. BY:
HFN

SCALE: **NTS**

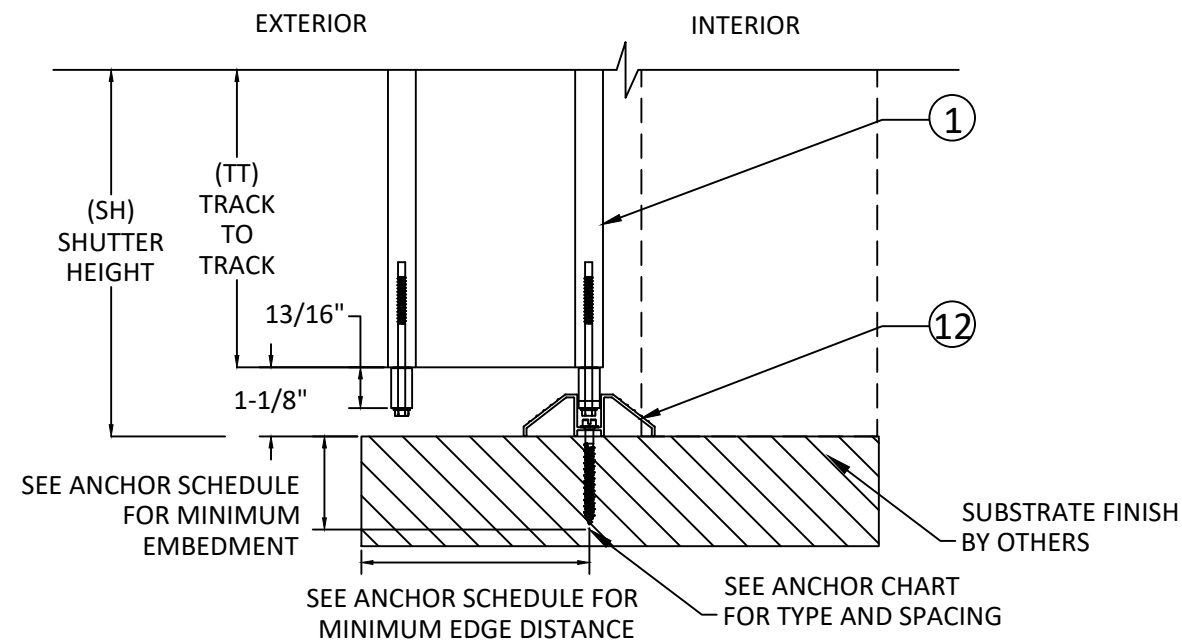
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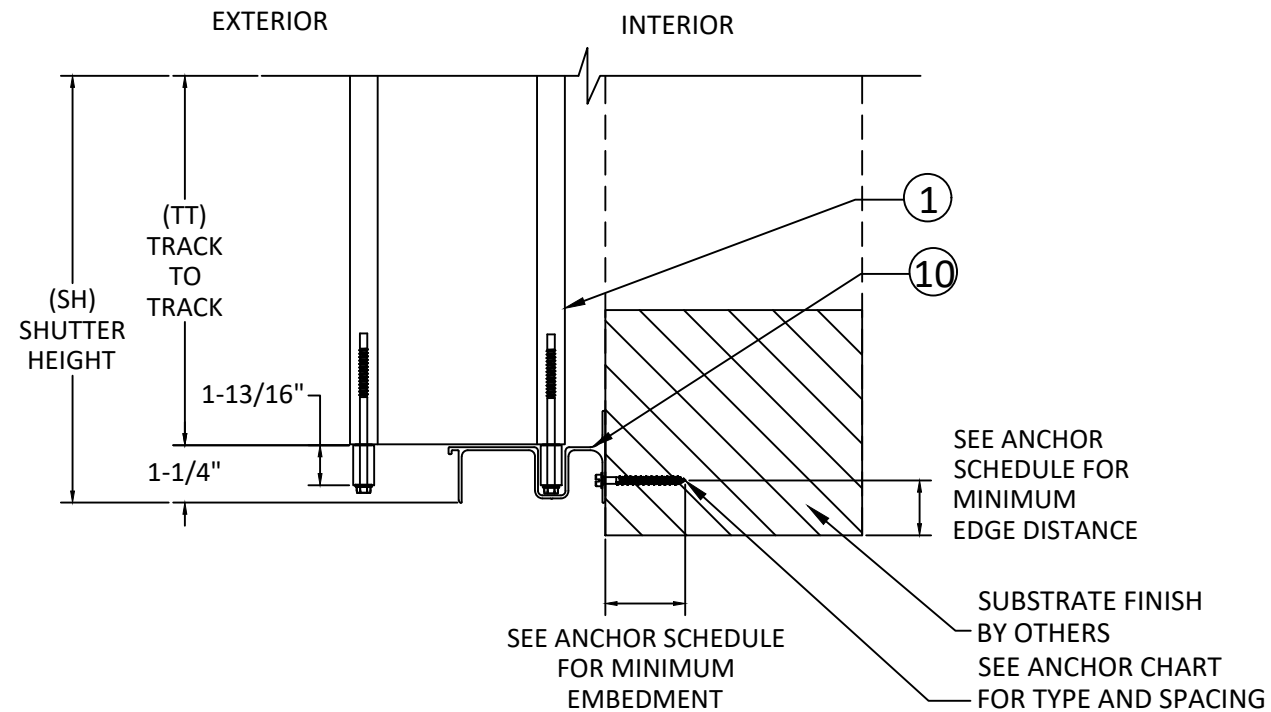
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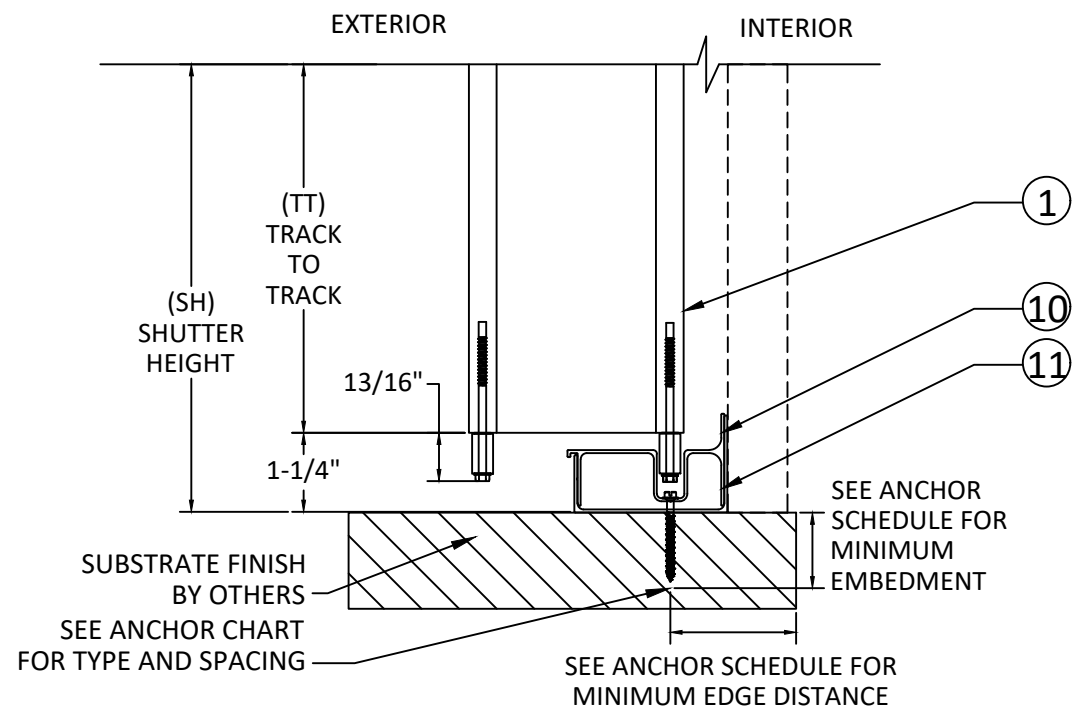
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A
9 **VERTICAL DETAILS**
MOUNT E
INSET MOUNT



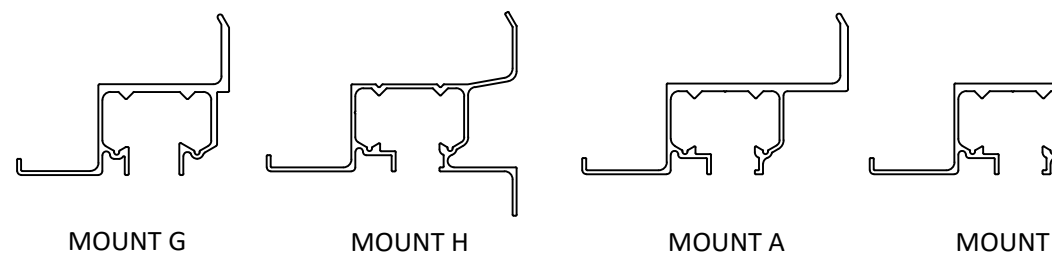
B
9 **VERTICAL DETAILS**
MOUNT B
WALL MOUNT



C
9 **VERTICAL DETAILS**
MOUNT F
INSET MOUNT

ANCHOR SCHEDULE				
ANCHOR	DESCRIPTION	MATERIAL	MIN. EDGE DISTANCE	MIN. EMBEDMENT
A	#14 WOOD SCREW	WOOD, MIN. SG = 0.55	3/4"	1-1/2"
B	1/4" SELF DRILLING SCREW (GRADE 5)	3/16" A36 STEEL	1/2"	3 THREADS MIN. PENETRATION BEYOND METAL WALL
C	1/4" SELF DRILLING SCREW (GRADE 5)	3/8" 6063-T5 ALUMINUM	1/2"	
D	1/4" DEWALT SCREW-BOLT+	CONCRETE, MIN. 3000 PSI	3-1/2"	2-1/2"
E	1/4" DEWALT SCREW-BOLT+	GROUT FILLED C-90 BLOCK	3-1/2"	2-1/2"

NOTE: WORST CASE SCENARIO WAS USED TO CALCULATE ANCHOR CAPACITY FOR MOUNT A, G, AND H. SEE BOTTOM TRACK SPACING ON SHEETS 10-12 FOR ANCHOR SPACING. INSTALLATION DETAILS ARE SIMILAR TO THAT OF DETAIL A/5 ON SHEET 5.



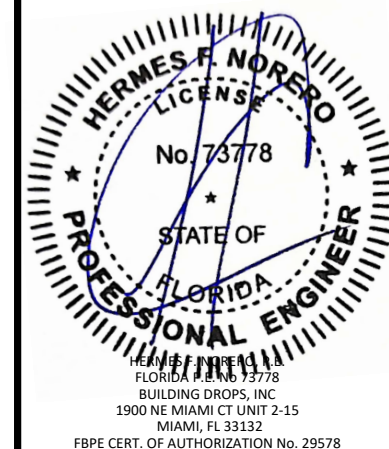
CONDADO WINDOW
903RH TODD AVENUE SAN JUAN,
PUERTO RICO 00907
PH: (787) 723-5469 FAX: (787)722-1395

TITLE: ACCORDION SHUTTER (HVHZ) (IMPACT)
BOTTOM TRACK VERTICAL SECTION & ANCHOR SCHEDULE
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
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.



FL#: **FL47090**

DATE: **06.27.24**

DWG. BY: **FB** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **CDW018**

SHEET:

9

OF 14

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BOTTOM TRACK ANCHOR SPACING

TABLE 4 - BOTOTM TRACK ANCHOR SPACING																					
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT E					MOUNT B					MOUNT F				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
60	30	8	8	8	8	8	9	10	8	10	10	8	8	8	8	8	10	10	10	10	10
	35	8	8	8	8	8	9	10	8	10	10	8	8	8	8	8	10	10	10	10	10
	40	8	8	8	8	8	9	10	8	10	10	8	8	8	8	8	10	10	10	10	10
	45	8	8	8	8	8	8	10	7	10	9	8	8	8	8	8	10	10	10	10	10
	50	8	8	8	8	8	7	10	6	10	8	8	8	8	8	8	10	10	10	10	10
	55	8	8	8	8	8	6	10	5	10	8	8	8	8	8	8	10	10	10	10	10
	60	8	8	8	8	8	6	10	5	10	7	8	8	8	8	8	10	10	10	10	10
	65	8	8	8	8	8	5	10	5	10	6	8	8	8	8	8	9	10	10	10	10
	70	8	8	8	8	8	5	10	4	10	6	8	8	8	8	8	8	10	9	10	10
	75	8	8	8	8	8	4	10	4	9	5	8	8	8	8	8	8	10	9	10	9
	80	8	8	8	8	8	4	9	4	8	5	8	8	8	8	8	7	10	8	10	9
	85	8	8	8	8	8	4	8	3	8	5	8	8	8	8	8	7	10	7	10	8
	90	8	8	8	8	8	4	8	3	7	4	8	8	8	8	8	6	10	7	10	8
	95	8	8	8	8	8	3	7	3	7	4	8	8	8	8	8	6	10	7	10	7
	100	8	8	8	8	8	3	7	3	7	4	8	8	8	8	8	6	10	6	10	7
	105	8	8	8	8	8	3	7	3	6	4	8	8	8	8	8	5	10	6	10	6
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	115	8	8	8	8	8	3	6	-	6	3	8	8	8	8	8	5	10	5	9	6
	120	8	8	8	8	8	-	6	-	5	3	8	8	8	8	8	5	10	5	9	6
	125	8	8	8	8	8	-	5	-	5	3	8	8	8	8	8	4	10	5	9	5
	130	8	8	8	8	8	-	5	-	5	3	8	8	8	8	8	4	10	5	8	5
	135	8	8	8	8	8	-	5	-	5	3	8	8	8	8	8	4	9	4	8	5
	140	8	8	8	8	8	-	5	-	4	3	8	8	8	8	8	4	9	4	8	5
	145	8	8	8	8	8	-	5	-	4	3	8	8	8	8	8	4	9	4	7	4
	150	8	8	8	8	8	-	4	-	4	-	8	8	8	8	8	4	8	4	7	4
	155	8	8	8	8	8	-	4	-	4	-	8	8	8	8	8	3	8	4	7	4
	160	8	7	8	8	8	-	4	-	4	-	8	8	8	8	8	3	8	4	7	4
	165	8	7	8	8	8	-	4	-	4	-	8	8	8	8	8	3	7	4	6	4
	170	8	6	8	8	8	-	4	-	4	-	8	8	8	8	8	3	7	3	6	4
	175	8	6	8	8	8	-	4	-	3	-	8	7	8	8	8	3	7	3	6	4
	180	8	6	8	8	8	-	4	-	3	-	8	7	8	8	8	3	7	3	6	4
	185	8	6	8	8	8	-	4	-	3	-	8	7	8	8	8	3	7	3	6	3

NOTE:

- FOR ANCHOR TYPE A, ANCHORS MUST BE ANCHORED A MAXIMUM 4" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN TABLES.
- FOR ANCHOR TYPES B / C / D / E, ANCHORS MUST BE ANCHORED A MAXIMUM 3" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN THE TABLES.

TABLE 4 - BOTOTM TRACK ANCHOR SPACING																					
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT E					MOUNT B					MOUNT F				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
63	30	8	8	8	8	8	8	10	7	10	10	8	8	8	8	8	10	10	10	10	10
	35	8	8	8	8	8	8	10	7	10	10	8	8	8	8	8	10	10	10	10	10
	40	8	8	8	8	8	8	10	7	10	10	8	8	8	8	8	10	10	10	10	10
	45	8	8	8	8	8	7	10	6	10	9	8	8	8	8	8	10	10	10	10	10
	50	8	8	8	8	8	6	10	6	10	8	8	8	8	8	8	10	10	10	10	10
	55	8	8	8	8	8	6	10	5	10	7	8	8	8	8	8	10	10	10	10	10
	60	8	8	8	8	8	5	10	5	10	7	8	8	8	8	8	9	10	10	10	10
	65	8	8	8	8	8	5	10	4	10	6	8	8	8	8	8	9	10	9	10	10
	70	8	8	8	8	8	4	10	4	9	6	8	8	8	8	8	8	10	9	10	9
	75	8	8	8	8	8	4	9	4	8	5	8	8	8	8	8	7	10	8	10	9
	80	8	8	8	8	8	4	8	3	8	5	8	8	8	8	8	7	10	8	10	8
	85	8	8	8	8	8	4	8	3	7	4	8	8	8	8	8	6	10	7	10	8
	90	8	8	8	8	8	3	7	3	7	4	8	8	8	8	8	6	10	7	10	7
	95	8	8	7	8	8	3	7	3	7	4	8	8	8	8	8	6	10	6	10	7
	100	6	8	4	8	7	3	7	3	6	4	6	8	5	8	8	5	10	6	10	6
	105	5	8	4	8	7	3	6	-	6	4	6	8	5	8	7	5	10	6	10	6
	110	5	8	4	8	6	3	6	-	6	3	6	8	5	8	7	5	10	5	9	6
	115	5	8	4	8	6	-	6	-	5	3	5	8	4	8	7	5	10	5	9	5
	120	5	8	4	8	6	-	5	-	5	3	5	8	4	8	6	4	10	5	8	5
	125	4	8	3	8	6	-	5	-	5	3	5	8	4	8	6	4	9	5	8	5
130	4	8	3	8	5	-	5	-	5	3	5	8	4	8	6	4	9	4	8	5	
135	4	8	3	8	5	-	5	-	4	3	4	8	4	8	6	4	9	4	7	5	
140	4	8	3	8	5	-	5	-	4	3	4	8	3	8	5	4	8	4	7	4	
145	4	8	3	8	5	-	4	-	4	-	4	8	3	8	5	3	8	4	7	4	
150	4	8	3	8	5	-	4	-	4	-	4	8	3	8	5	3	8	4	7	4	
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160	3	7	3	7	4	-	4	-	4	-	4	8	3	8	5	3	7	3	6	4	
165	3	7	3	7	4	-	4	-	4	-	4	8	3	8	5	3	7	3	6	4	
170	3	7	-	7	4	-	4	-	3	-	3	7	3	7	4	3	7	3	6	4	
175	3	7	-	6	4	-	4	-	3	-	3	7	3	7	4	3	7	3	6	3	
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	35	8	8	8	8	8	8	10	7	10	9	8	8	8	8	8	10	10	10	10	10
	40	8	8	8	8	8	8	10	7	10	9	8	8	8	8	8	10	10	10	10	10
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	75	8	8	8	8	8	4	9	3	8	5	8	8	8	8	8	7	10	8	10	8
	80	8	8	8	8	8	4	8	3	7	4	8	8	8	8	8	6	10	7	10	8
	85	8	8	8	8	8	3	7	3	7	4	8	8	8	8	8	6	10	7	10	7
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	95	6	8	4	8	7	3	7	3	6	4	6	8	5	8	8	5	10	6	10	6
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	110	5	8	4	8	6	-	6	-	5	3	5	8	4	8	7	4	10	5	9	5
	115	4	8	4	8	6	-	5	-	5	3	5	8	4	8	6	4	10	5	8	5
	120	4	8	3	8	6	-	5	-	5	3	5	8	4	8	6	4	9	4	8	5
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BOTTOM TRACK ANCHOR SPACING

TABLE 4 - BOTOTM TRACK ANCHOR SPACING																					
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT E					MOUNT B					MOUNT F				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
72	30	8	8	8	8	8	7	10	6	10	9	8	8	8	8	8	10	10	10	10	10
	35	8	8	8	8	8	7	10	6	10	9	8	8	8	8	8	10	10	10	10	10
	40	8	8	8	8	8	7	10	6	10	9	8	8	8	8	8	10	10	10	10	10
	45	8	8	8	8	8	6	10	6	10	8	8	8	8	8	8	10	10	10	10	10
	50	8	8	8	8	8	6	10	5	10	7	8	8	8	8	8	10	10	10	10	10
	55	8	8	8	8	8	5	10	5	10	6	8	8	8	8	8	9	10	10	10	10
	60	8	8	8	8	8	5	10	4	9	6	8	8	8	8	8	8	10	9	10	10
	65	8	8	8	8	8	4	9	4	9	5	8	8	8	8	8	8	10	8	10	9
	70	8	8	8	8	8	4	9	3	8	5	8	8	8	8	8	7	10	8	10	8
	75	7	8	5	8	8	4	8	3	7	5	7	8	6	8	8	6	10	7	10	8
	80	6	8	5	8	8	3	7	3	7	4	7	8	6	8	8	6	10	7	10	7
	85	6	8	5	8	8	3	7	3	6	4	7	8	5	8	8	6	10	6	10	7
	90	6	8	4	8	7	3	7	3	6	4	6	8	5	8	8	5	10	6	10	6
	95	5	8	4	8	7	3	6	-	6	3	6	8	5	8	7	5	10	5	10	6
	100	5	8	4	8	6	3	6	-	5	3	5	8	4	8	7	5	10	5	9	6
	105	5	8	4	8	6	-	6	-	5	3	5	8	4	8	7	4	10	5	9	5
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	130	4	8	3	8	5	-	4	-	4	-	4	8	3	8	5	3	8	4	7	4
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145	3	7	-	7	4	-	4	-	3	-	3	7	3	7	4	3	7	3	6	3	

TABLE 4 - BOTOTM TRACK ANCHOR SPACING																					
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT E					MOUNT B					MOUNT F				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
82	30	8	8	8	8	8	6	10	6	10	8	8	8	8	8	8	10	10	10	10	10
	35	8	8	8	8	8	6	10	6	10	8	8	8	8	8	8	10	10	10	10	10
	40	8	8	8	8	8	6	10	6	10	8	8	8	8	8	8	10	10	10	10	10
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	50	8	8	8	8	8	5	10	4	10	6	8	8	8	8	8	9	10	10	10	10
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	70	8	8	8	8	8	3	7	3	7	4	8	8	8	8	8	6	10	7	10	7
	75	6	8	5	8	8	3	7	3	6	4	6	8	5	8	8	6	10	6	10	7
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	90	5	8	4	8	6	-	6	-	5	3	5	8	4	8	7	5	10	5	9	5
	95	5	8	4	8	6	-	5	-	5	3	5	8	4	8	6	4	10	5	8	5
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TOP TRACK ANCHOR SPACING

TABLE 3 - TOP TRACK ANCHOR SPACING																
TRACK TO TRACK SPAN (IN.) & DP PRESSURE		MOUNT A / G / H					MOUNT D					MOUNT C (ANGLE)				
		ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)					ANCHOR TYPE & SPACING (IN.)				
TT	DP	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
103	30	8	8	8	8	8	6	10	6	10	8	4	9	3	8	5
	35	8	8	8	8	8	6	10	6	10	8	4	9	3	8	5
	40	8	8	8	8	8	6	10	6	10	8	4	9	3	8	5
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	85	4	8	3	8	5	3	6	-	5	3	-	4	-	4	-
112	90	4	8	3	8	5	-	6	-	5	3	-	4	-	3	-
	95	4	8	3	8	5	-	5	-	5	3	-	3	-	3	-
	100	3	7	3	7	4	-	5	-	5	3	-	3	-	3	-
	30	8	8	8	8	8	6	10	5	10	7	4	8	3	8	5
	35	8	8	8	8	8	6	10	5	10	7	4	8	3	8	5
	40	8	8	8	8	8	6	10	5	10	7	4	8	3	8	5
	45	7	8	6	8	8	5	10	5	10	6	3	7	3	7	4
	50	7	8	5	8	8	4	10	4	9	5	3	6	-	6	4
	55	6	8	5	8	8	4	9	4	8	5	3	6	-	5	3
	60	5	8	4	8	7	4	8	3	7	4	-	5	-	5	3
	65	5	8	4	8	7	3	7	3	7	4	-	5	-	5	3
	70	5	8	4	8	6	3	7	3	6	4	-	4	-	4	-
123	75	4	8	3	8	6	3	6	3	6	3	-	4	-	4	-
	80	4	8	3	8	5	3	6	-	5	3	-	4	-	4	-
	85	4	8	3	8	5	-	6	-	5	3	-	4	-	3	-
	30	8	8	6	8	8	5	10	5	10	6	3	7	3	7	4
	35	8	8	6	8	8	5	10	5	10	6	3	7	3	7	4
	40	8	8	6	8	8	5	10	5	10	6	3	7	3	7	4
	45	7	8	5	8	8	4	10	4	9	6	3	7	-	6	4
	50	6	8	5	8	8	4	9	4	8	5	3	6	-	5	3
133	55	5	8	4	8	7	4	8	3	7	4	-	5	-	5	3
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	65	5	8	4	8	6	3	7	3	6	4	-	4	-	4	-
	70	4	8	3	8	5	3	6	3	6	3	-	4	-	4	-
	30	7	8	6	8	8	5	10	4	9	6	-	6	4	5	3
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146	40	7	8	6	8	8	5	10	4	9	6	-	6	4	5	3
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	35	6	8	5	8	8	4	9	4	8	5	-	5	4	4	-
	40	6	8	5	8	8	4	9	4	8	5	-	5	4	4	-

- NOTE:
- FOR ANCHOR TYPE A, ANCHORS MUST BE ANCHORED A MAXIMUM 4" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN TABLES.
 - FOR ANCHOR TYPES B / C / D / E, ANCHORS MUST BE ANCHORED A MAXIMUM 3" FROM CORNERS, FOLLOWING THE SPACING REFERENCED IN THE TABLES.



CONDADO WINDOW
903RH TODD AVENUE SAN JUAN,
PUERTO RICO 00907
PH: (787) 723-5469 FAX: (787)722-1395

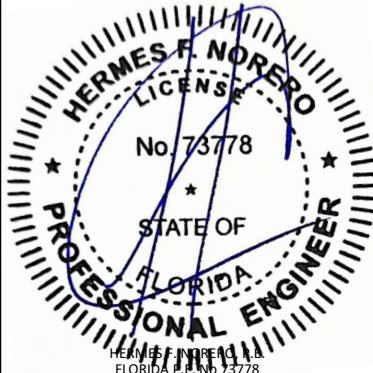
TITLE:
ACCORDION SHUTTER
(HVHZ) (IMPACT)
BOTTOM TRACK ANCHOR
SPACING

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
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.



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PROFESSIONAL ENGINEER
FLORIDA License No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#: **FL47090**

DATE: **06.27.24**

DWG. BY: FB	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: **CDW018**

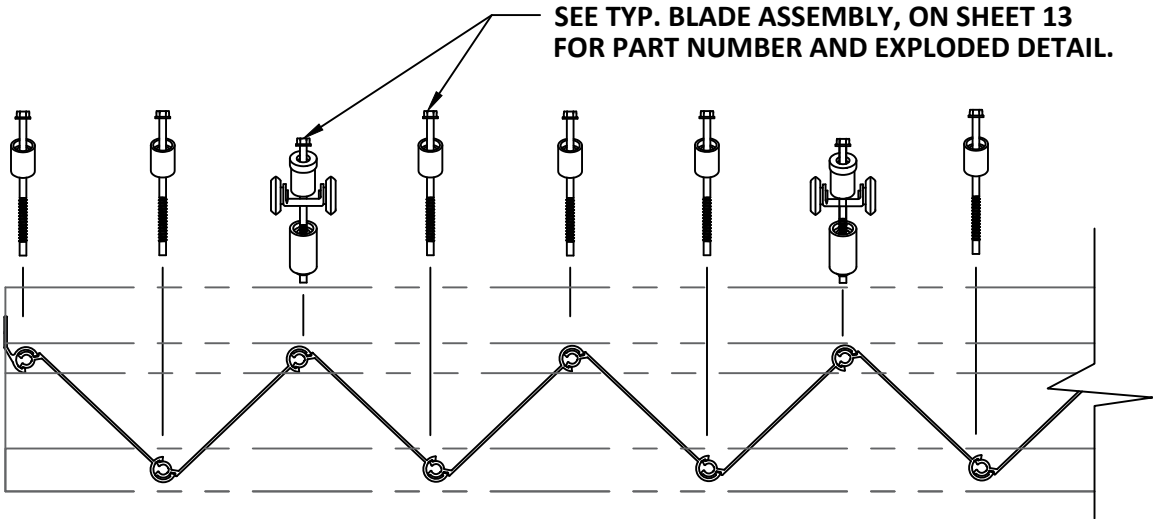
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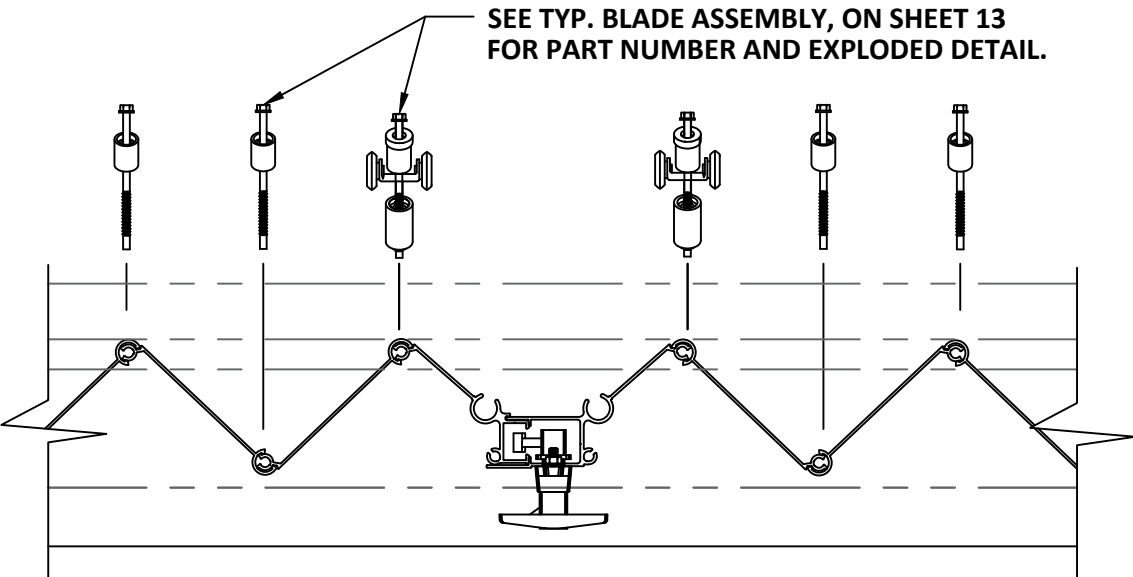
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SLAT LOCK AND CARRIER LAY-OUT

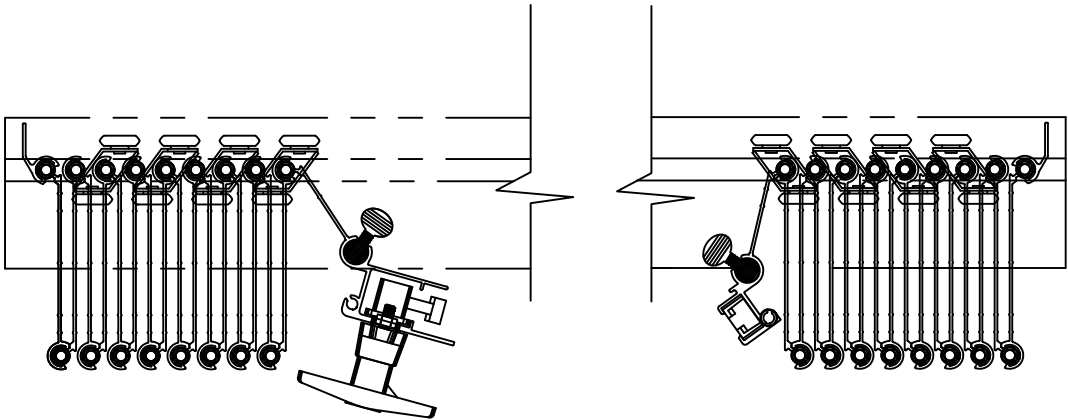


SLAT LOCK DETAIL
END CONNECTION

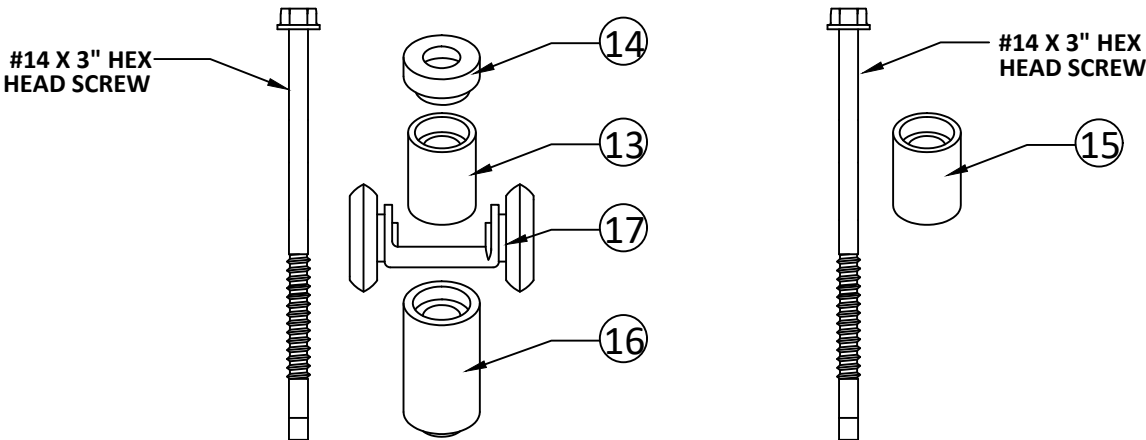


SLAT LOCK DETAIL
LOCK BLADE CLOSE POSITION

- NOTES:**
1. SLAT LOCK A TO BE AT EVERY SLAT ON THE TOP AND BOTTOM. SLAT LOCK B TO BE AT EVERY OTHER TOP SLAT.
 2. INSTALLATION SCREWS SHALL BE COATED WITH AN CORROSION RESISTANT COATING SYSTEM.
 3. 1.2" DIA. X 24" LONG ALUMINUM ROD THROUGH THE TOP AND BOTTOM RAIL ON BOTH SIDES OF CENTER LOCK WITH THUMB AND SCREWS.
 4. ALLPOINT T-HANDLE LOCK KIT AT CENTER



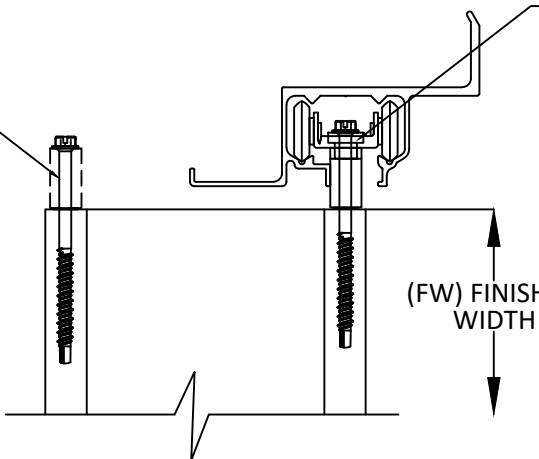
SLAT LOCK DETAIL
LOCK BLADE OPEN POSITION



TYPICAL BLADE ASSEMBLY

SLAT LOCK A: #14 X 3" HEX HEAD SCREW ASSEMBLED WITH ONE $\phi 5/16"$ I.D. BY $\phi 1/2"$ O.D. NYLON BUSHING PER FASTENER WITH A CORROSION RESISTANT COATING, ONE ANCHOR AT EVERY SLAT.

EXTERIOR



(FW) FINISHED WIDTH

SLAT LOCK B: #14 X 3" HEX HEAD SCREW ASSEMBLED WITH, ONE $\phi 3/8"$ I.D. BY $\phi 1/2"$ O.D. NYLON BUSHING OVER STAINLESS STEEL CARRIAGE NYLON ROLLERS WITH ONE $\phi 5/16"$ I.D. BY $\phi 1/2"$ O.D. NYLON BUSHING PER FASTENER WITH A CORROSION RESISTANT COATING, ONE ANCHOR AT EVERY SLAT.

INTERIOR



CONDADO WINDOW
903RH TODD AVENUE SAN JUAN,
PUERTO RICO 00907
PH: (787) 723-5469 FAX: (787) 722-1395

TITLE: ACCORDION SHUTTER
(HVHZ) (IMPACT)

SLAT LOCK AND CARRIER
LAY-OUT

PREPARED BY:

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PH: (954) 399-8478

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REMARKS	BY	DATE

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FL#: **FL47090**

DATE: **06.27.24**

DWG. BY:
FB

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **CDW018**

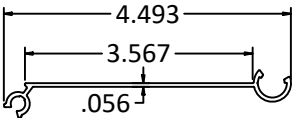
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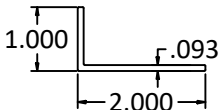
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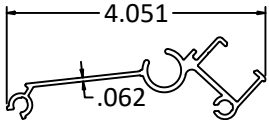
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ITEM NO.	PART NO.	QTY.	DESCRIPTION	MATERIAL
1	CDW-117	AS REQ.	CONDADO BLADE	6063-T6
2	CDW-116	AS REQ.	1 X 2 X 0.93 ANGLE	6063-T6
3	RS-SLB-55RB	AS REQ.	MALE CENTRAL LOCK	6063-T6
4	RS-SLB-55RT	AS REQ.	CEILING HEADER	6063-T6
5	AXXX-221820	AS REQ.	FEMALE INTERLOCK	6063-T6
6	TB-XX-2320	AS REQ.	WALL HEADER	6063-T6
7	WX-Z232-7673B	AS REQ.	3/4" OFFSET WALL HEADER/SILL	6063-T6
8	AXXX-221820	AS REQ.	1" OFFSET WALL HEADER/SILL	6063-T6
9	TB-XX-2320	AS REQ.	STARTING BLADE	6063-T6
10	WX-Z232-7673B	AS REQ.	JAMB/SILL	6063-T6
11	TB-XX-2320	AS REQ.	FLOOR SILL ADAPTER	6063-T6
12	WX-Z232-7673B	AS REQ.	WALKOVER/PASSOVER TRACK	6063-T6
13	ACSZ-BS-WH	AS REQ.	SHORT BUSHING	NYLON
14	ACSZ-BH-WH	AS REQ.	HAT BUSHING	NYLON
15	ACSZ-BM-WH	AS REQ.	MEDIUM BUSHING	NYLON
16	ACSZ-BL-WH	AS REQ.	LONG BUSHING	NYLON
17	ACSZ-WC10	AS REQ.	WHEEL CARRIAGE	S/S
18	ATST-005X	AS REQ.	T-LOCK HANDLE	-
19	ACS-0020	AS REQ.	THUMB SCREW	S/S
20	TB-XX-2320	AS REQ.	1/2" PIN ROD 12"	6063-T2
21	WX-Z232-7673B	AS REQ.	1/2" PIN ROD 24"	6063-T2
22	TB-XX-2320	AS REQ.	1/2" PIN ROD 36"	6063-T2



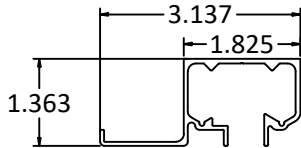
1 CONDADO BLADE
6063-T6



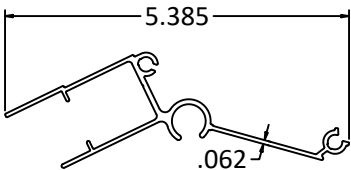
2 1 X 2 X 0.93 ANGLE
6063-T6



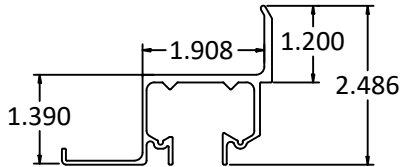
3 MALE CENTERLOCK
6063-T6



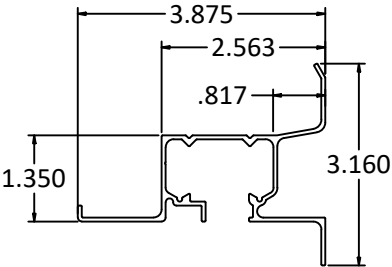
4 CEILING HEADER
6063-T6



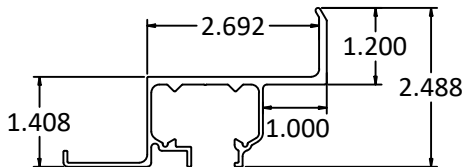
5 FEMALE CENTERLOCK
6063-T6



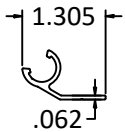
6 WALL HEADER
6063-T6



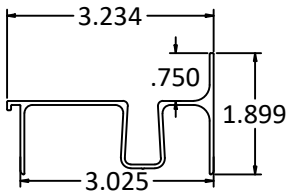
7 3/4" OFFSET WALL HEADER/SILL
6063-T6



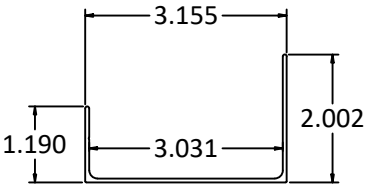
8 1" OFFSET WALL HEADER/SILL
6063-T6



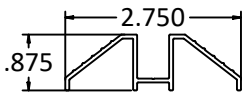
9 STARTING BLADE
6063-T6



10 JAMB/SILL
6063-T6



11 FLOOR SILL ADAPTER
6063-T6



12 WALKOVER/PASSOVER TRACK
6063-T6



CONDADO WINDOW
903RH TODD AVENUE SAN JUAN,
PUERTO RICO 00907
PH: (787) 723-5469 FAX: (787)722-1395

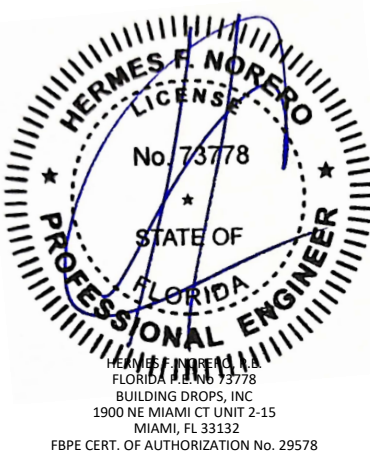
TITLE: ACCORDION SHUTTER
(HVHZ) (IMPACT)
COMPONENTS & BILL OF
MATERIALS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
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.



FL#: FL47090

DATE: 06.27.24

DWG. BY: FB
CHK. BY: HFN

SCALE: NTS

DWG. #: CDW018

SHEET:

14

OF 14