

ARCADIA CUSTOM
SERIES 5500 SLIDING GLASS DOOR
(WZ3) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E1886-13a
 - ASTM E1996-17
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
7. DOOR FRAME MATERIAL: 6063-T5 ALUMINUM
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAIL.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL
10. APPROVED CONFIGURATION:
 - 2 TRACK: OXXO, OX, OXO, XOX

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6	HORIZONTAL SECTIONS
7	INSTALLATION NOTES & ANCHOR DETAILS

DESIGN PRESSURE RATING		
INTERLOCK	DESIGN PRESSURE	MISSILE IMPACT RATING
HI LOAD	SEE SHEET 5	LARGE AND SMALL MISSILE IMPACT RESISTANT
STANDARD		LARGE AND SMALL MISSILE IMPACT RESISTANT



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GENERAL NOTES & DESIGN PRESSURE

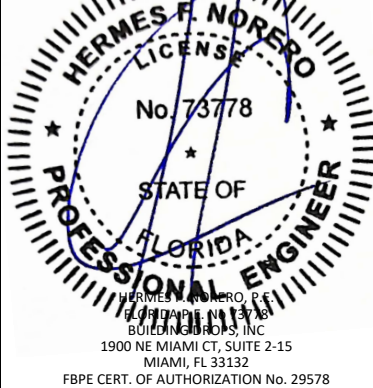
PREPARED BY:
BUILDING DROPS, INC.
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MIAMI, FL 33132
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REMARKS	BY	DATE
2023 CODE CHANGE	MG	06/23
2026 CODE CHANGE	HJ	07/26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.10.06 17:47:24 -0700



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

FL#: **FL38489**

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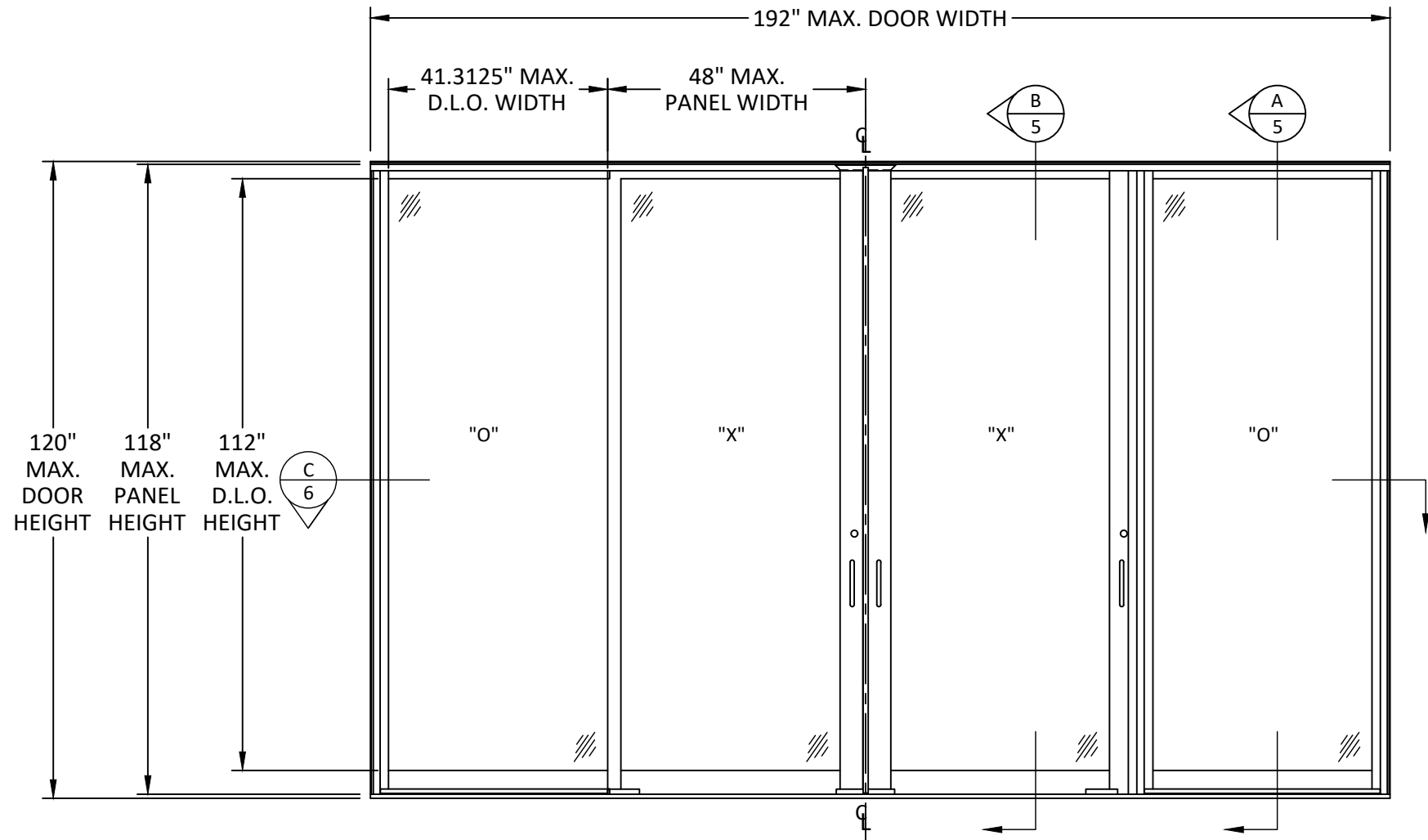
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ELEVATION
EXTERIOR VIEW - 2 TRACK



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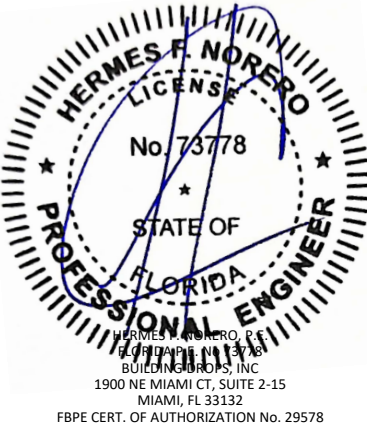
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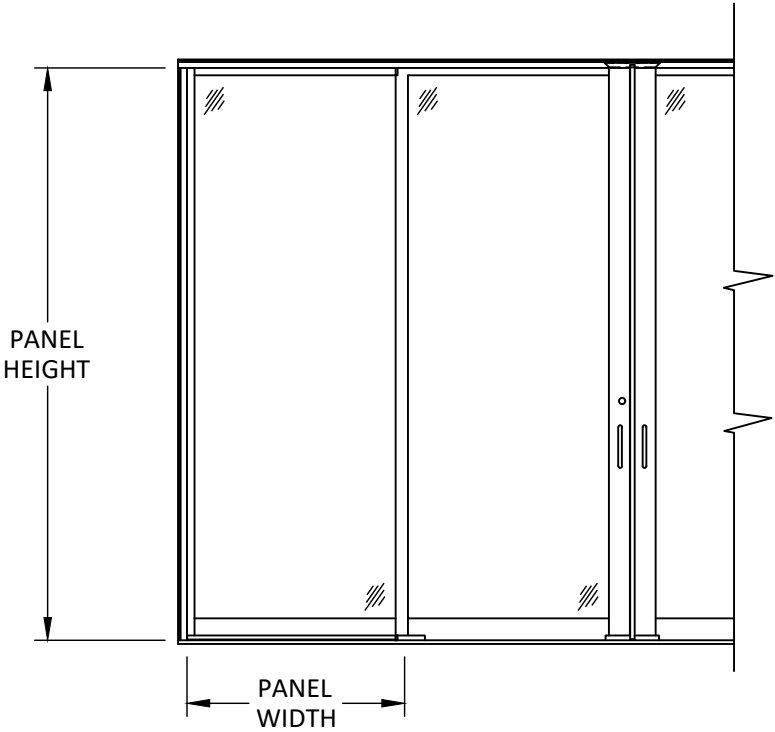
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DESIGN PRESSURE TABLE
COMPARATIVE ANALYSIS

DESIGN PRESSURE TABLE (PSF) - STANDARD INTERLOCK												
NOMINAL PANEL WIDTH (INCHES)												
PANEL HEIGHT (INCHES)		36	39	42	45	48	51	54	57	60	63	66
	84	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	87	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-
	90	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-
	93	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-
	96	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-
	99	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-	-
	102	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-	-
	105	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-	-	-
	108	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-	-	-
	111	45.0	45.0	45.0	45.0	45.0	-	-	-	-	-	-
	114	45.0	45.0	45.0	45.0	45.0	-	-	-	-	-	-
	118	45.0	45.0	45.0	45.0	45.0	-	-	-	-	-	-
	120	45.0	45.0	45.0	45.0	-	-	-	-	-	-	-
	123	45.0	45.0	44.5	41.8	-	-	-	-	-	-	-
	126	45.0	44.2	41.3	-	-	-	-	-	-	-	-
	129	44.3	41.1	38.4	-	-	-	-	-	-	-	-
	132	41.3	38.3	35.8	-	-	-	-	-	-	-	-
	135	38.5	35.8	-	-	-	-	-	-	-	-	-
	138	36.0	33.4	-	-	-	-	-	-	-	-	-
	141	33.8	31.3	-	-	-	-	-	-	-	-	-
	144	31.7	29.3	-	-	-	-	-	-	-	-	-

DESIGN PRESSURE TABLE (PSF) - HI LOAD INTERLOCK												
NOMINAL PANEL WIDTH (INCHES)												
PANEL HEIGHT (INCHES)		36	39	42	45	48	51	54	57	60	63	66
	84	70.0	70.0	70.0	70.0	70.0	65.3	61.1	57.5	54.2	51.4	48.8
	87	70.0	70.0	70.0	70.0	70.0	65.3	61.1	57.5	54.2	51.4	-
	90	70.0	70.0	70.0	70.0	70.0	65.3	61.1	57.5	54.2	-	-
	93	70.0	70.0	70.0	70.0	70.0	65.3	61.1	57.5	-	-	-
	96	70.0	70.0	70.0	70.0	70.0	65.3	61.1	57.5	-	-	-
	99	70.0	70.0	70.0	70.0	70.0	65.3	61.1	-	-	-	-
	102	70.0	70.0	70.0	70.0	70.0	65.3	61.1	-	-	-	-
	105	70.0	70.0	70.0	70.0	70.0	65.3	-	-	-	-	-
	108	70.0	70.0	70.0	70.0	70.0	65.3	-	-	-	-	-
	111	70.0	70.0	70.0	70.0	70.0	-	-	-	-	-	-
	114	70.0	70.0	70.0	70.0	70.0	-	-	-	-	-	-
	118	70.0	70.0	70.0	70.0	70.0	-	-	-	-	-	-
	120	70.0	70.0	70.0	70.0	-	-	-	-	-	-	-
	123	70.0	70.0	69.2	65.1	-	-	-	-	-	-	-
	126	70.0	68.8	64.3	-	-	-	-	-	-	-	-
	129	68.9	64.0	59.8	-	-	-	-	-	-	-	-
	132	64.2	59.6	55.7	-	-	-	-	-	-	-	-
	135	60.0	55.6	-	-	-	-	-	-	-	-	-
	138	56.1	52.0	-	-	-	-	-	-	-	-	-
	141	52.5	48.7	-	-	-	-	-	-	-	-	-
	144	49.2	45.6	-	-	-	-	-	-	-	-	-



PANEL DIMENSIONS



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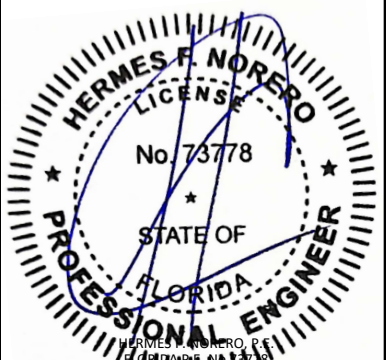
DESIGN PRESSURE TABLE

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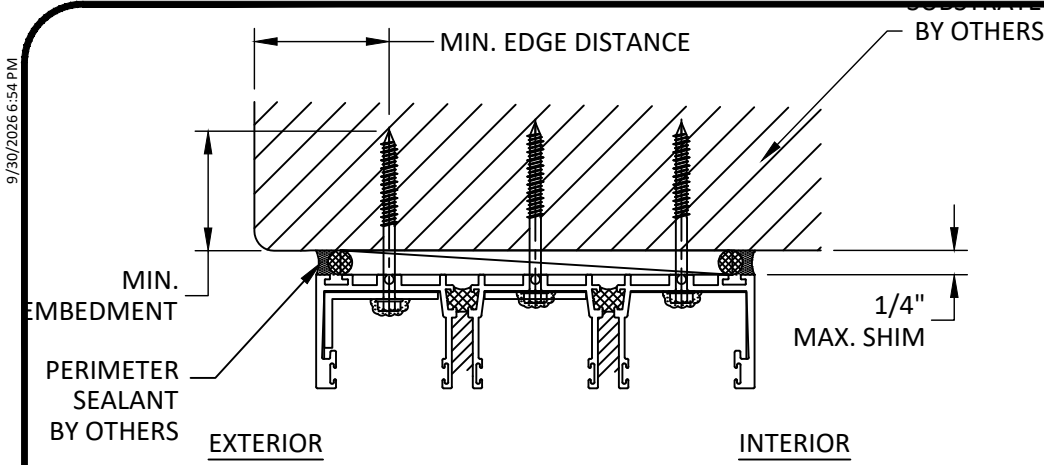
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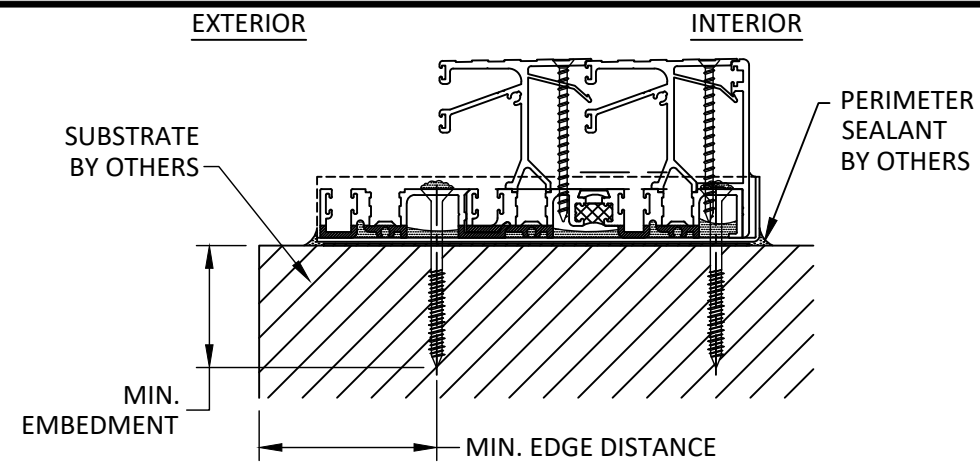
1. GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 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 IN GLASS CHARTS.



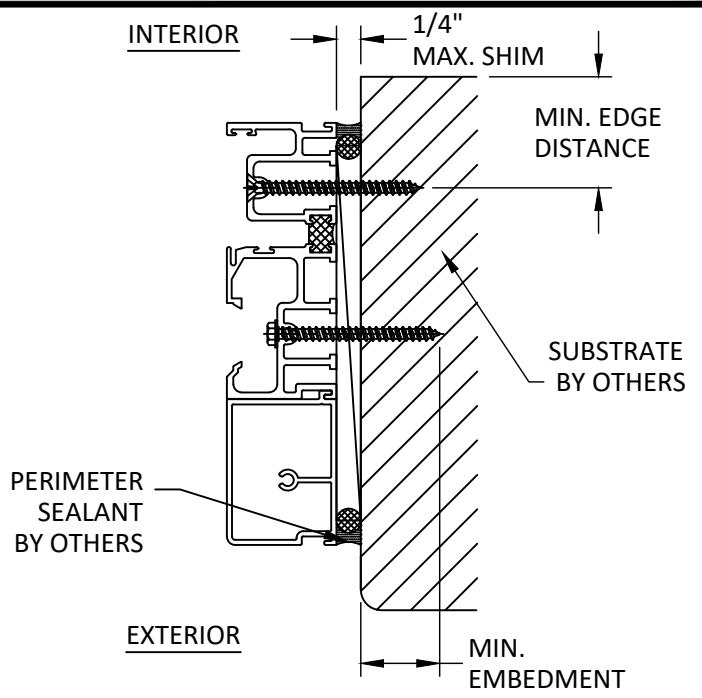
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E
7 **ANCHOR DETAIL**
AT HEAD



F
7 **ANCHOR DETAIL**
AT SILL



G
7 **ANCHOR DETAIL**
AT JAMB

INSTALLATION NOTES:

- THREE (3) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION ON HEAD SHOWN ON SHEET 3 UNLESS OTHERWISE SHOWN.
- TWO (2) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION ON JAMB AND SILL SHOWN ON SHEET 3 UNLESS OTHERWISE SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 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.
- 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.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - *FASTENERS INSTALLED WITHIN 300 FEET OF A SALTWATER COASTLINE IN EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE STAINLESS STEEL PER SECTION 1711.1.1.1 (ASTM A240 TYPE 304, A305, 316, OR 410)
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED UNVENTED SPACES SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
 - CONNECTORS AND METAL PLATES USED BETWEEN 300 AND 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED VENTED SPACES, EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE ENHANCED GALVANIZED PER SECTION 1711.1.2.2 (ASTM A653 G185, ASTM A123 AT 2.0 OZ/SF MIN, OR TPI 1 COATING).

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING
THROUGH FRAME	WOOD: MIN. SG = 0.55	#12 WOOD SCREW OR #12 GRK R4 SS SCREW*	1.50"	0.75"	N/A
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#10 TEK SCREW OR #10 DEWALT BIFLEX SS*	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	N/A
	CONCRETE: MIN. f'c = 3000 PSI	1/4" ITW TAPCON FLATHEAD	1.25"	2.00"	3.00"
	MASONRY: CMU MIN. 2000 PSI		1.00"	2.00"	
	CONCRETE: MIN. f'c = 3000 PSI	#14 DEWALT CRETE-FLEX SS*	1.75"	1.00"	N/A
	MASONRY: CMU MIN. 2000 PSI		1.25"	2.50"	1.50"

- *CONNECTORS AND METAL PLATES USED WITHIN 300 FEET OF A SALTWATER COASTLINE IN EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE STAINLESS STEEL PER SECTION 1711.1.2.1 (ASTM A240 TYPE 316).
- FASTENERS USED WITH CONNECTORS OR METAL PLATES SHALL HAVE A CORROSION-RESISTANT COATING OR COMPOSITION COMPATIBLE WITH THAT OF THE CONNECTOR/PLATE TO PREVENT GALVANIC CORROSION BETWEEN DISSIMILAR MATERIALS (SECTION 1711.1.1.3). EXCEPTION: FASTENERS AND CONNECTORS FULLY EMBEDDED IN CONCRETE OR MORTAR ARE EXEMPT FROM NOTES 6 AND 7 (SECTION 1711.1).
- 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.
- 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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