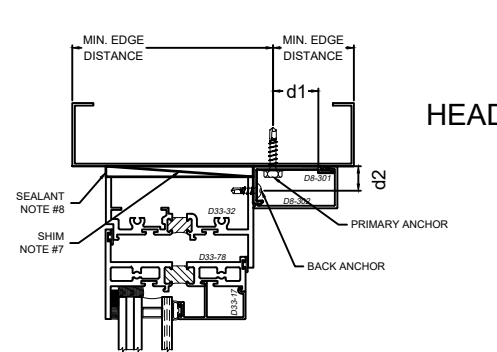
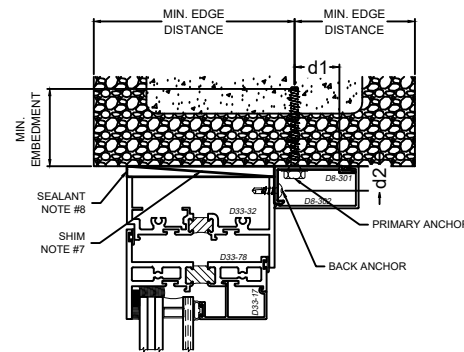
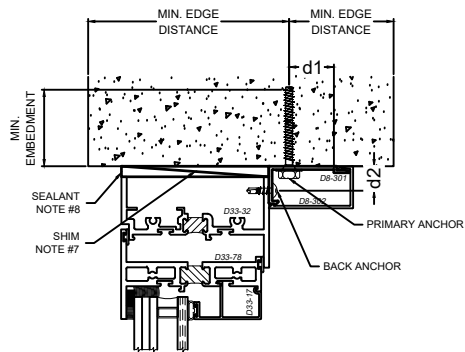
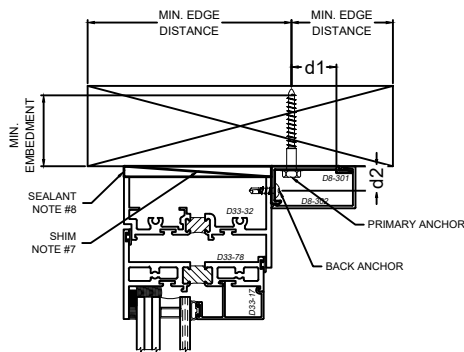


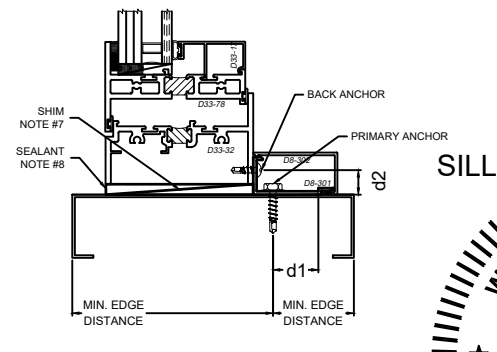
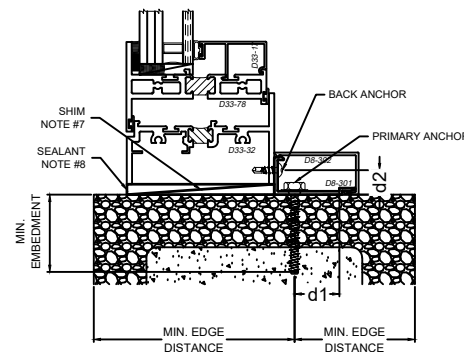
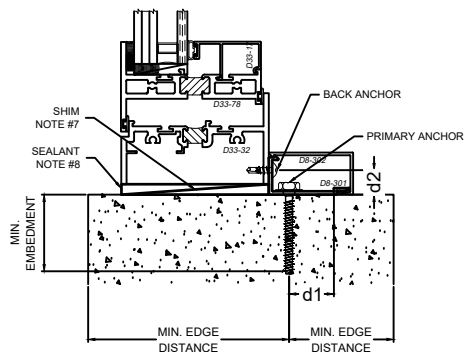
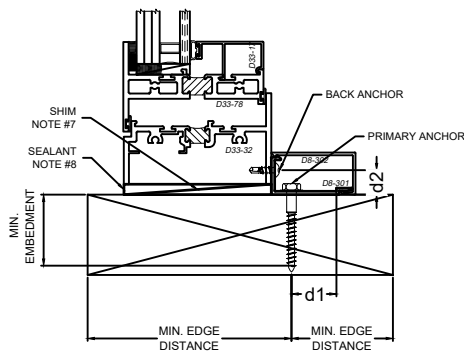
TABLE 1 - ANCHORS AWAY FROM MULLION & AT JAMBS

		PRIMARY ANCHOR (TO SUBSTRATE CONDITION)						"BACK" ANCHOR (TRIM TO FRAME)				
SUBSTRATE	LOCATION	HARDWARE (ACCEPTABLE TRADE NAME OR EQUIVALENT)	O.C. SPACING (MAX)	END DISTANCE (MAX)	EMBEDMENT (MIN)	SUBSTRATE EDGE DISTANCE (MIN)	d1 INSTALL DIMENSION	HARDWARE (ACCEPTABLE TRADE NAME OR EQUIVALENT)	O.C. SPACING (MAX)	END DISTANCE (MAX)	EMBEDMENT (MIN)	d2 INSTALL DIMENSION
WOOD SG = 0.42	HEAD	1/4" Ø LAG SCREW, FULL BODY	14"	4"	1-1/2"	1"	7/8"	#10-16 OR #10-24 S.S. CONDITION CW OR SAE GR. 5 STEEL PAN HEAD SCREW	18"	4"	3 THREADS	9/16"
	SILL											
	JAMB		12"									
CONCRETE 3,000 PSI	HEAD	1/4" Ø HILTI KWIK HUS-EZ (KH-EZ)	18"	4"	2-1/2"	1-3/4"	7/8"		18"			
	SILL											
	JAMB		12"									
CONCRETE 4,000 PSI	HEAD	1/4" Ø HILTI KWIK HUS-EZ (KH-EZ)	22"	4"	2-1/2"	1-3/4"	7/8"		18"			
	SILL											
	JAMB		12"									
CMU (GROUT FILLED) fm = 1,500 PSI	HEAD	1/4" Ø HILTI KWIK HUS-EZ (KH-EZ)	12"	4"	2-1/2"	1-1/2"	7/8"		18"			
	SILL		9"									
	JAMB		12"									
STEEL STUD (18 ga. 33ksi)	HEAD	1/4"-14 SAE GR. 5 HILTI KWIK FLEX OR DEWALT DRIL-FLEX	12"	4"	3 THREADS	7/8"	7/8"		18"			
	SILL											
	JAMB		12"									

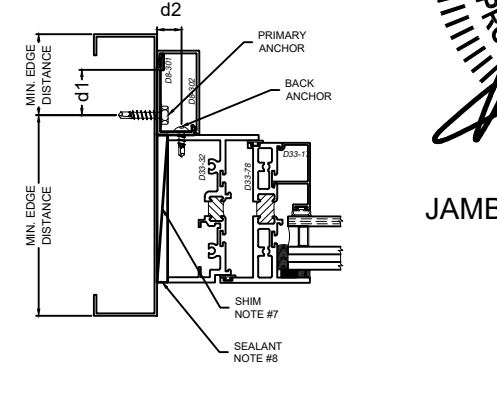
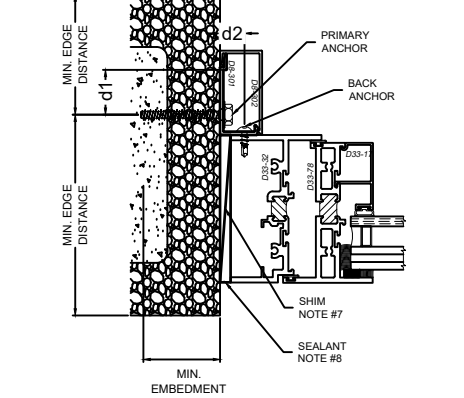
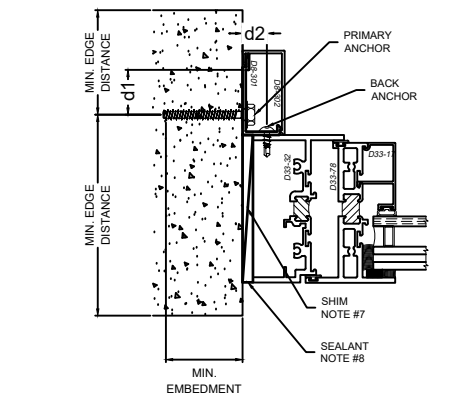
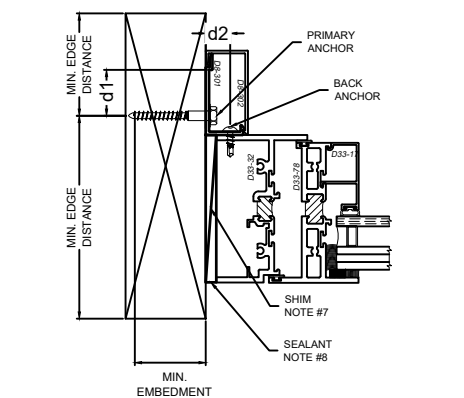
NOTE: AWNING ARRANGEMENT SHOWN AT SILL & JAMBS IN SECTIONS BELOW.



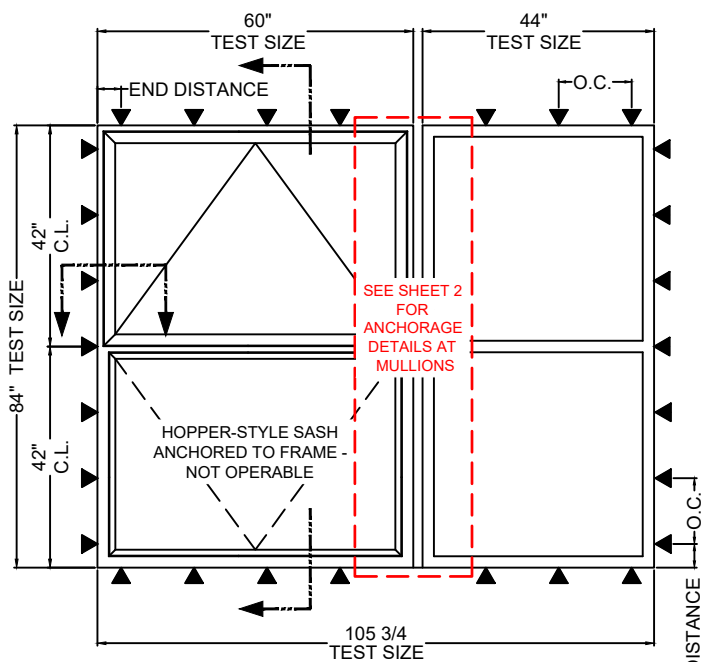
HEAD



SILL



JAMBS



- Installations depicted comply with:
Florida Building Code - 8th Ed. (FBC 2023)
International Building Code (IBC 2021)
National Design Specifications (ANSI/AWC NDS 2018)
Aluminum Design Manual (ADM 2020)
Cold-Formed Steel Design Manual (AISI-S100 2020)

- The installation depicted in this drawing and all calculations are based on a maximum size and design wind pressure rating listed below. These products **have** been proven for resistance to wind-borne debris per ASTM E1886 and ASTM E1996, missile level E.

Test size: **105-3/4" x 84"** Max Awning Size: **60" x 42"** Design pressure: **+/- 80 psf**

- Lag screws shall be used for a wood substrate. Screw materials and dimensions shall meet the requirements of ANSI / ASME Standard B18.2.1. All lag screw conditions must be pre-drilled with hole diameters of 40-70% of the fastener diameter. Wood buck installations are assumed to use 2 X S-P-F (G= 0.42) or denser. Tapered or partial bucks are not allowed.

- Approved screw anchors shall be used for concrete substrate. Anchor materials and dimensions shall meet the requirements of ICC-ES AC106 - Acceptance Criteria for Predrilled Fasteners (Screw Anchors) in concrete or masonry elements. Anchor embedment shall be as indicated herein. Install per ESR-3027 requirements. Concrete installations are assumed to be at least f_c = 3,000 (or 4,000) psi, normal weight concrete.

- Approved screw anchors shall be used for CMU substrate. Anchor materials and dimensions shall meet the requirements of ICC-ES AC106 - Acceptance Criteria for Predrilled Fasteners (Screw Anchors) in concrete or masonry elements. Anchor embedment shall be as indicated herein. Install per ESR-3056 requirements. Concrete masonry installations are assumed at least ASTM C90, Type II, Grade N, with f_m = 1,500 psi, and type M or S mortar.

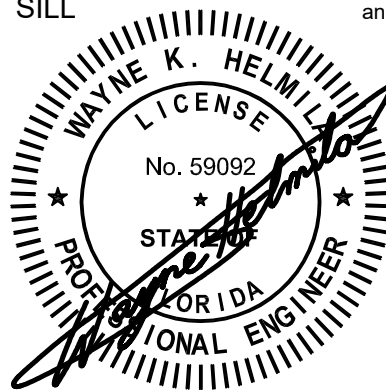
- Approved self-drilling screws shall be used for steel stud substrate. Screw materials and dimensions shall meet the requirements of SAE Grade 5 Carbon Steel. Steel stud installations assume 18 gauge, 33 ksi studs and follow AISI-S100 rules and procedures.

- Maximum shim thickness of 1/4" permitted at each fastener location. Shims shall be non-compressible and load-bearing type.

- Drawings depict details necessary to meet structural load requirements, but do not address air infiltration, water penetration, intrusion or thermal performance requirements of the installation. See manufacturer's Installation Instructions for sealing, flashing, drainage and other requirements.

- Minimum fastener on center spacing to be coordinated with fastener manufacturer's technical data for the expected substrate.

- All substrate types shall be secured to the building structure to resist all design loads, and shall have widths that exceed the window frame widths.



10/15/2024
COA: 9090

RICE
ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

Wayne K Helmila

Digitally signed by Wayne K. Helmila
DN: cn=Wayne K. Helmila,
#Qualifier=#01410C0000019CDB8F4AF8001A652B,
c=US
Date: 2024.10.15 10:51:53-0500

Rev.	Description	Date
△		
△		
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Scale: **NONE** Drawn by: **B. FOOTE**

Winco Window Co.
6200 Maple Ave.
St. Louis, MO 63130

PHONE: 314-725-8088

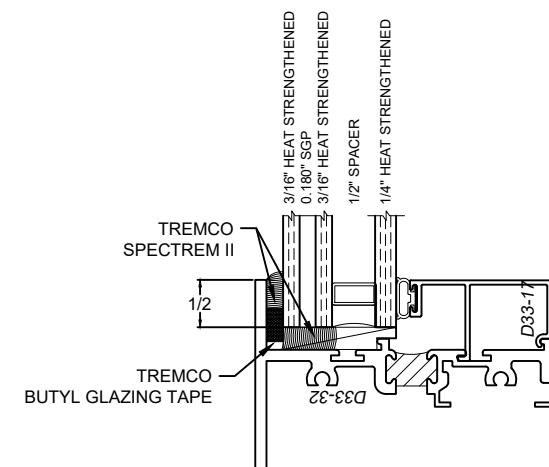
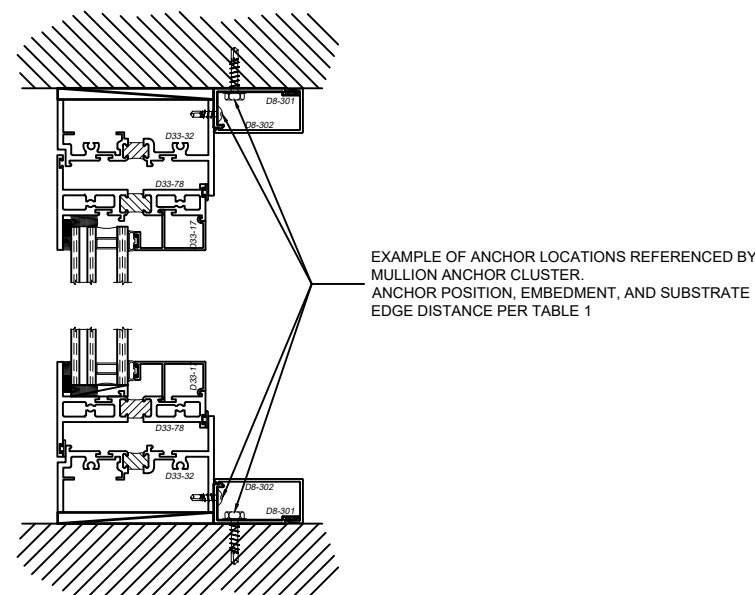
WINCO Product: **3350 AWNING - FX**

Installation: **ANCHORAGE: SNAP TRIM (SHT.1 OF 2)**

Certification: **LMI 3350**

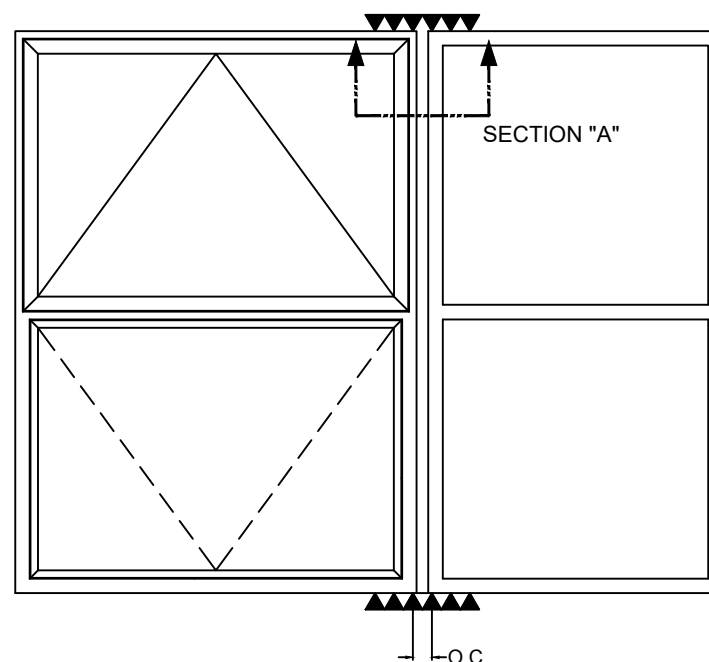
NOTE 2:
Anchor cluster requirements are based on maximum size and design pressure and may not be required for lower pressures and/or smaller sizes pending project specific P.E. analysis.

1. SEE SHEET 1 FOR GENERAL NOTES.

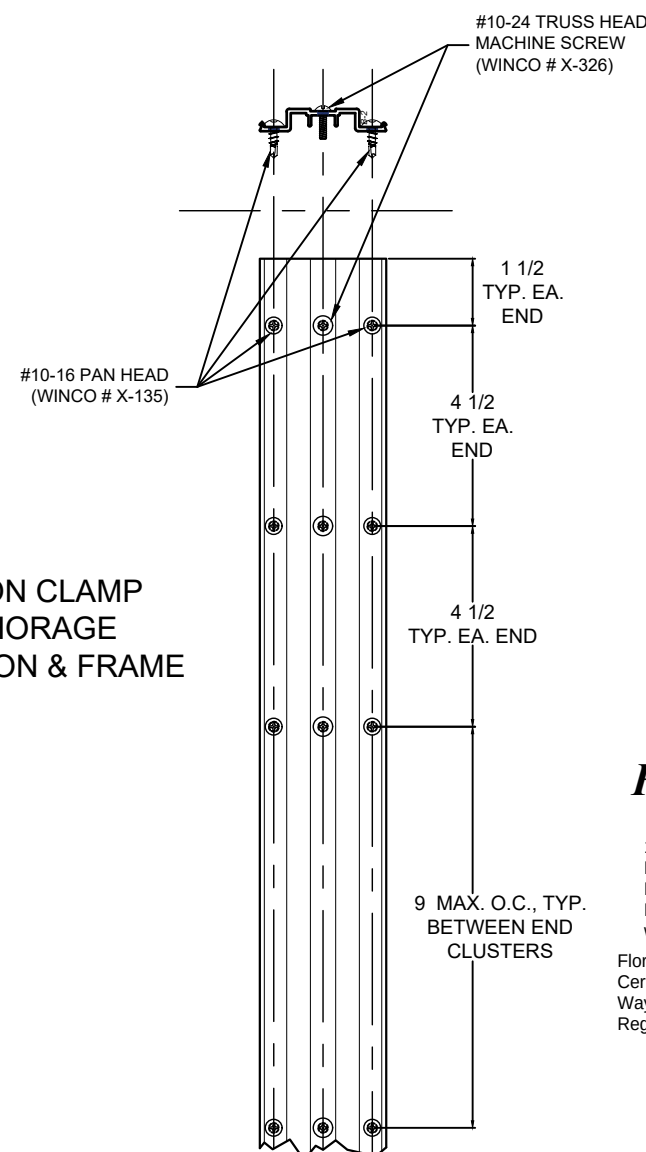


GLAZING DETAIL

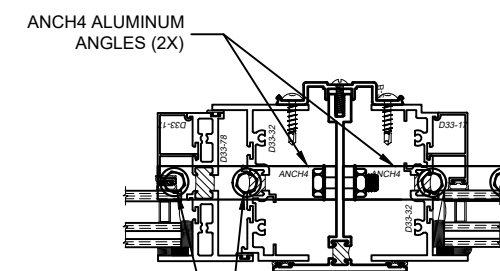
SEE SHEET 1 FOR ANCHOR SPACING AWAY FROM MULLION & AT JAMBS



ANCHOR CLUSTERS NEAR MULLION - HEAD & SILL

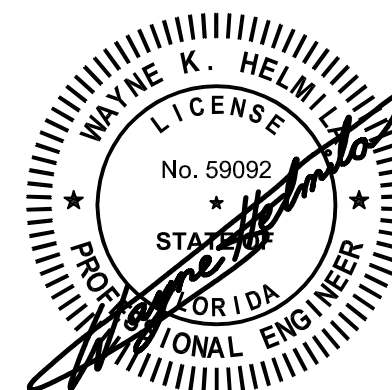


MULLION CLAMP ANCHORAGE TO MULLION & FRAME



NON-STRUCTURAL ANCHORS FOR
MULLION INSTALLATION:
MULLION LOADING TRANSFERRED
THROUGH ADJACENT WINDOW FRAMES
AND RESOLVED BY THE MULLION
ANCHOR CLUSTER PER TABLE 2

SECTION "A" AT HEAD: ANCH4 (SILL SIMILAR)
ATTACHMENTS AT MULLION



10/15/2024
COA: 9090

Rev.	Description	Date
△		
△		
△		
△		
△		

Scale: **NONE** Drawn by: **B. FOOTE**

Winco Window Co.
 6200 Maple Ave.
 St. Louis, MO 63130

PHONE: 314-725-8088

WINCO Product:
3350 AWNING - FIXED

Installation:
ANCHORAGE: SNAP TRIM (SHT 2 OF 2)

Certification:
IMI 3350