

QUAKER WINDOW PRODUCTS

SERIES 340(E700) FRAME WITH IMPACT LOUVER INSERT (WZ4)(IMPACT)



504 HIGHWAY 63 SOUTH
FREEBURG, MO 65582
PH: (651) 264-5150 FX: (651) 264-5485

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 ±1/16 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.
- SHIM AS REQUIRED IN ORDER TO ACHIEVE SQUARE AND PLUMB 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 INSTALLATION INTO METAL STUD, USE ONE #10 SELF-DRILLING SCREW, TYPE INSTALLATION ANCHOR PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM PENETRATION OF 3 THREADS BEYOND METAL STRUCTURE.
- FOR INSTALLATION INTO 2X WOOD BUCK, USE ONE #10 WOOD SCREW, TYPE INSTALLATION ANCHOR PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT.
- 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.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - ALUMINUM - MIN. 6063-T5, MIN. 1/8" THICKNESS.
 - STEEL - MIN. TENSILE YIELD STRENGTH OF 36 KSI, ULTIMATE TENSILE STRENGTH OF 58 KSI. MIN. 18 GAUGE THICKNESS (0.0478").
 - WOOD - MINIMUM SPECIFIC GRAVITY = 0.55

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, **EXCLUDING** HVHZ, AND HAS BEEN EVALUATED TO THE FOLLOWING.
 - AAMA 450-10
 - ASTM E330-14
 - ASTM E1886-13a
 - ASTM E1996-14a
- ADEQUACY OF THE EXISTING STRUCTURAL 2X WOOD FRAMING, ALUMINUM, OR STEEL 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.
- 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 IN NON-HVHZ AREA.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4 OR LESS.
- FRAME MATERIAL: 6063-T6 ALUMINUM
- PTAC OPENING FOR VENTILATION MAY BE LOCATED AT LEFT, RIGHT, OR CENTER WITH OPTIONAL FULL BLANK-OFF PANEL.

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- *NOTE:
- LOUVERS SYSTEM IS TO BE INSTALLED IN A LOCATION WHERE THE COMPARTMENT BEHIND LOUVERS IS DESIGNED TO DRAIN WATER PENETRATING INTO THE AREA, OR THE AREA WILL HOUSE WATER RESISTANT/WATER-PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
 - DEFLECTORS ARE TO DIRECT INTAKES & EXHAUST FOR P.T.A.C. INSTALLED IN WINDOW SLEEVE BEYOND. THEY HAVE NO EFFECT ON STRUCTURAL INTEGRITY OF LOUVER DESIGN

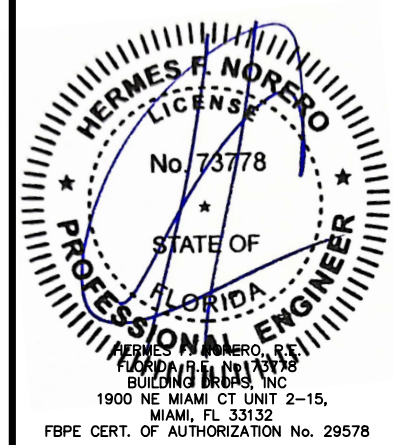
*MAX. DESIGN PRESSURE RATING	
+50.0 / -50.0 PSF	LARGE & SMALL MISSILE IMPACT RATED

TITLE: SERIES 340(E700) FRAME WITH IMPACT LOUVER INSERT (WZ4)(IMPACT) INSTALLATION AND GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
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REMARKS	BY	DATE
6TH ED. FBC UPDATE	HR	06/17
7TH ED. FBC UPDATE	LL	01/21
8TH ED. FBC UPDATE	FB	12/23

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FL #: **FL15860**

DATE: **07.17.12**

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

DWG. #: **QWP019**

SHEET: **1**

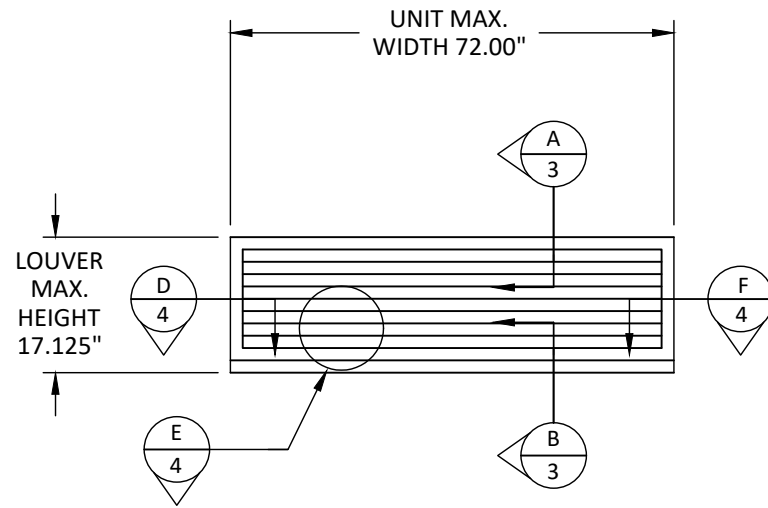
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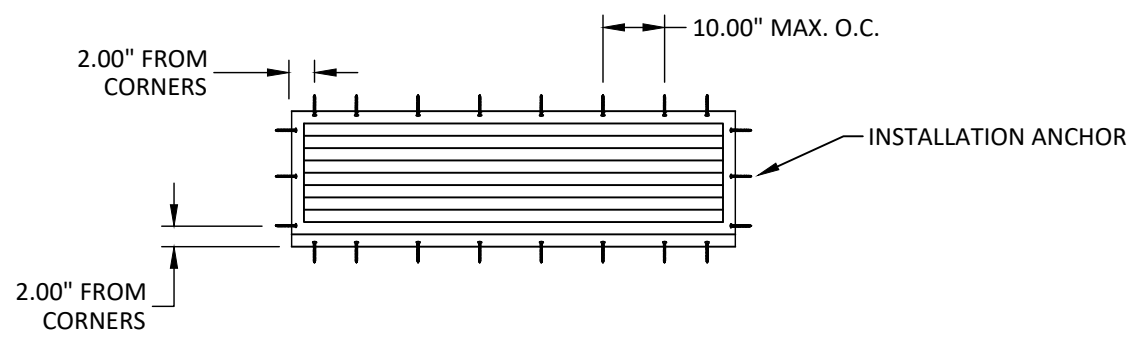
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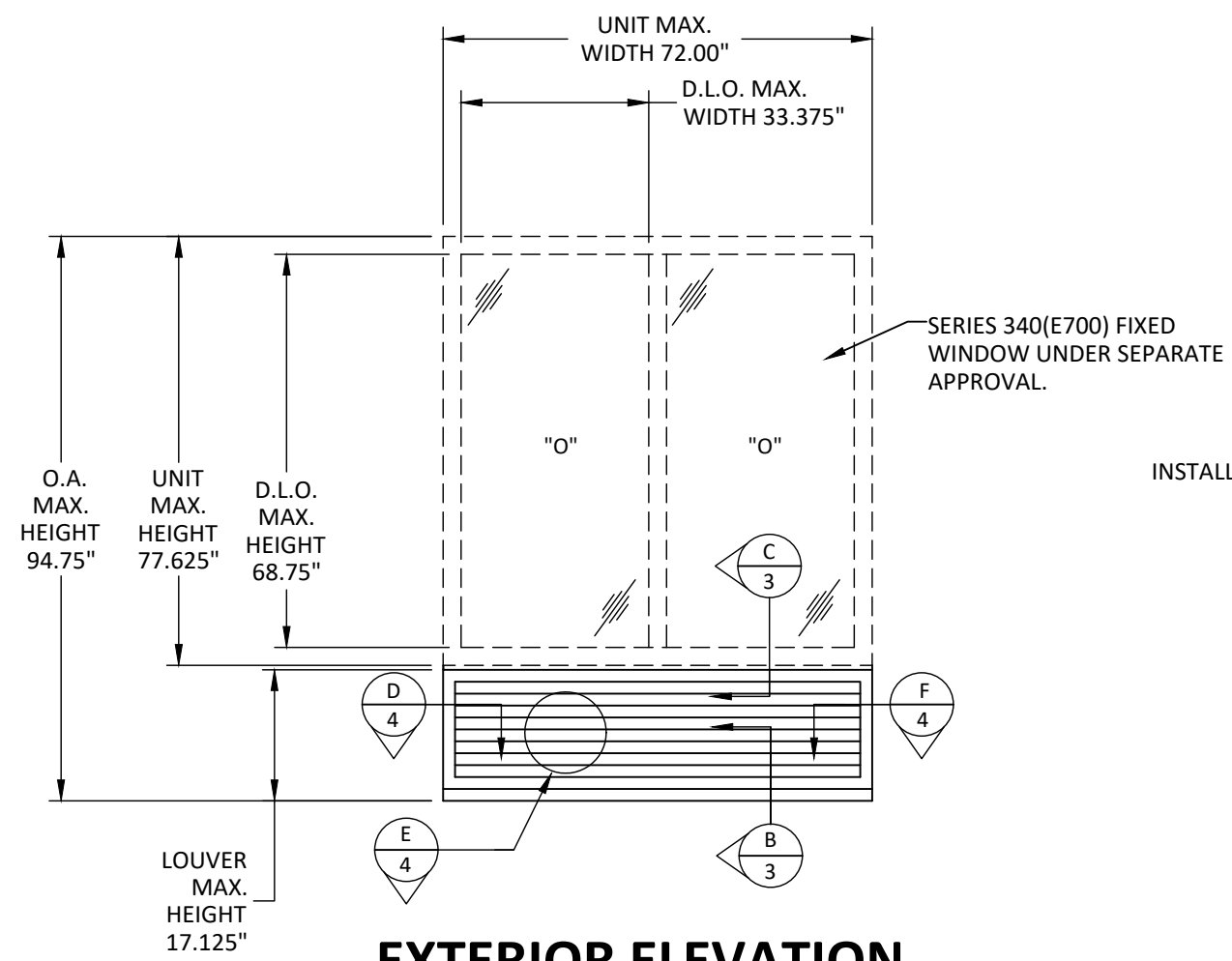
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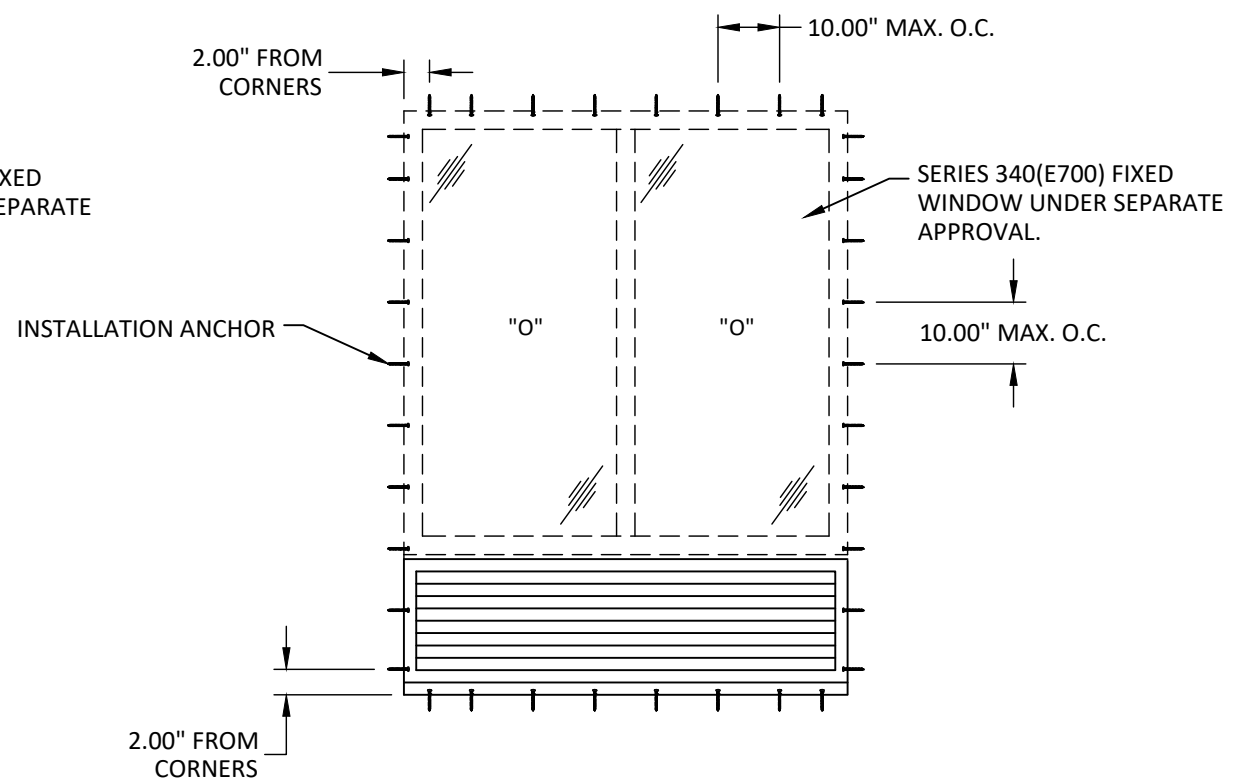
EXTERIOR ELEVATION



ANCHOR LAYOUT



EXTERIOR ELEVATION WITH PICTURE WINDOW



ANCHOR LAYOUT WITH PICTURE WINDOW

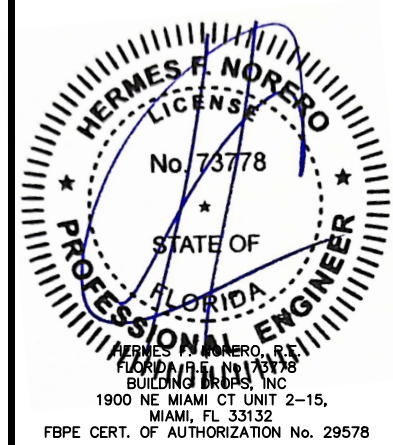
TITLE: SERIES 340(E700) FRAME WITH IMPACT LOUVER INSERT (WZ4)(IMPACT) ELEVATION & ANCHOR LAYOUTS

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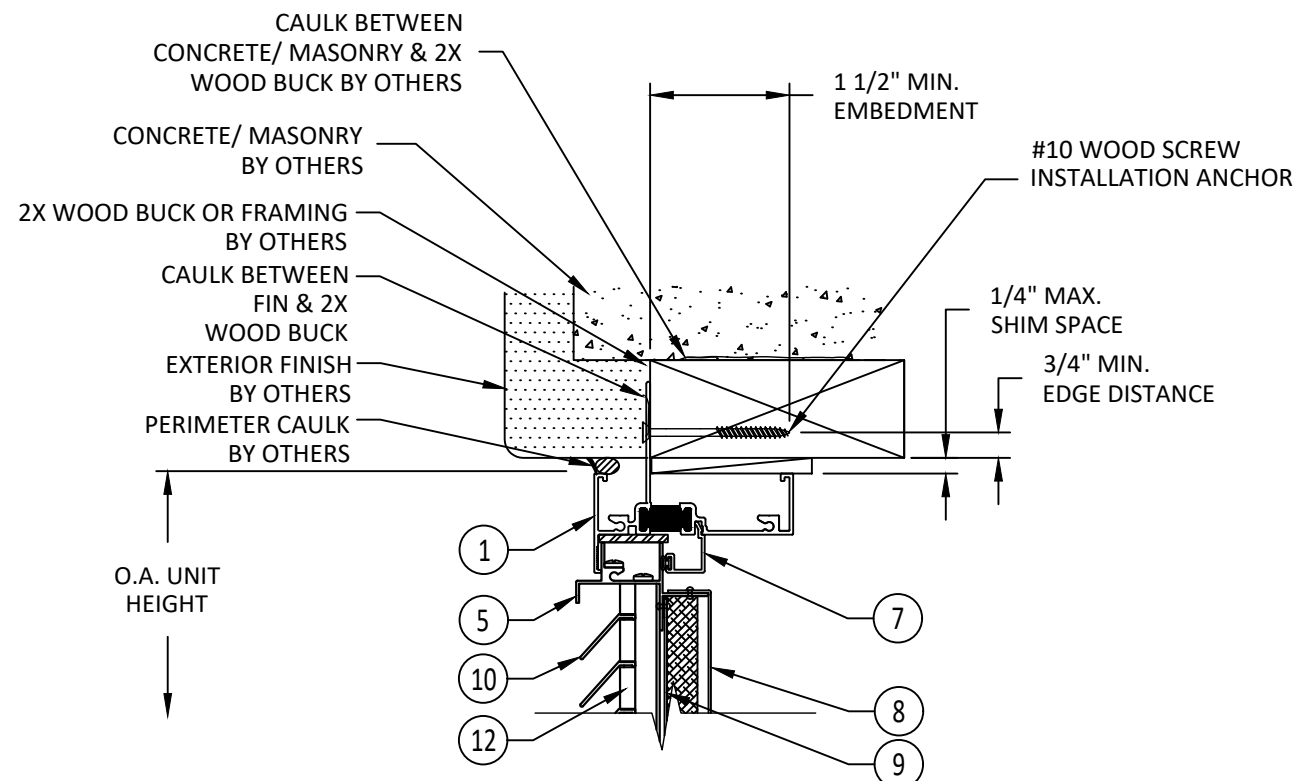
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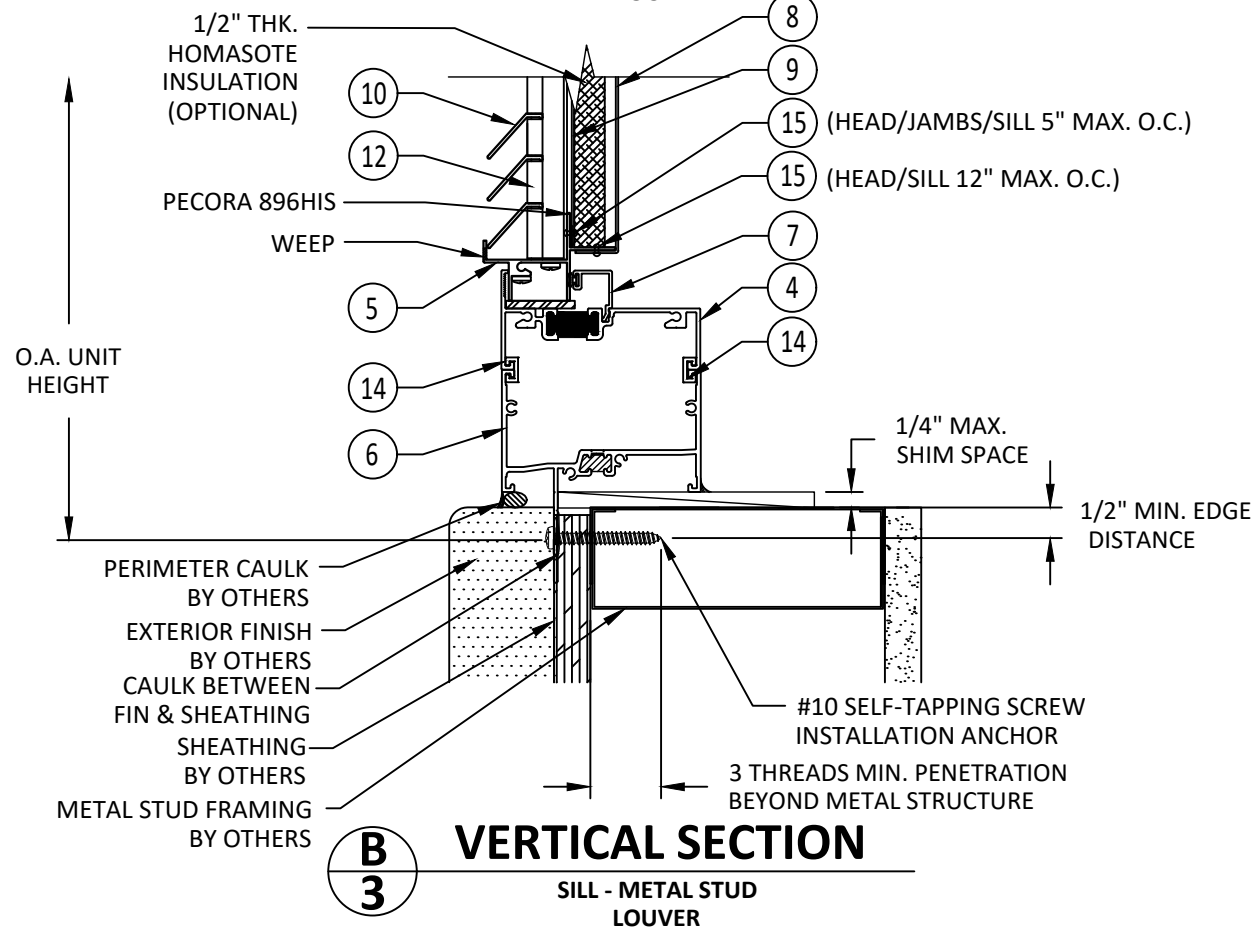
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SHEET: **2** OF 5

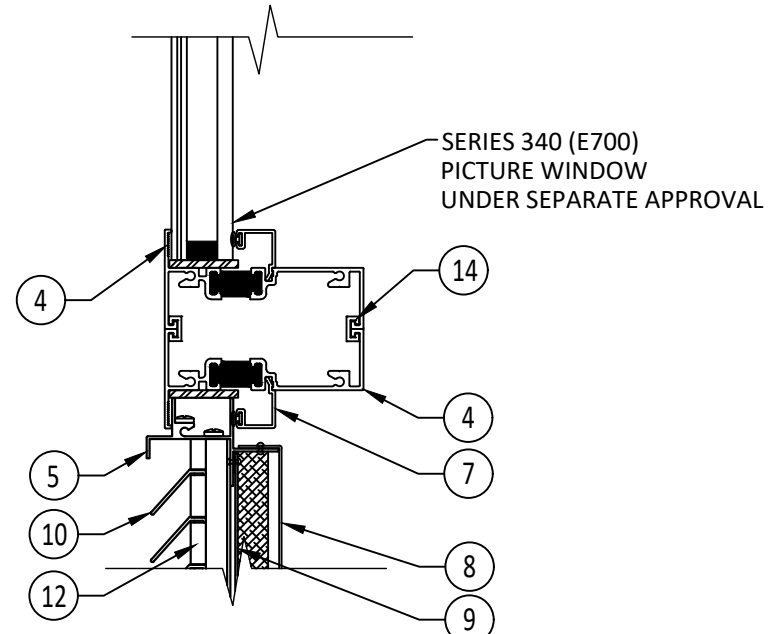
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A
3
VERTICAL SECTION
HEAD - 2X WOOD BUCK LOUVER



B
3
VERTICAL SECTION
SILL - METAL STUD LOUVER



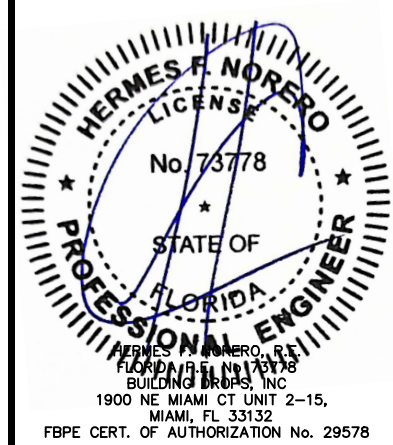
C
3
VERTICAL SECTION
MULLION PICTURE WINDOW/LOUVER

TITLE: SERIES 340(E700) FRAME WITH IMPACT LOUVER INSERT (WZ4)(IMPACT) VERTICAL SECTIONS

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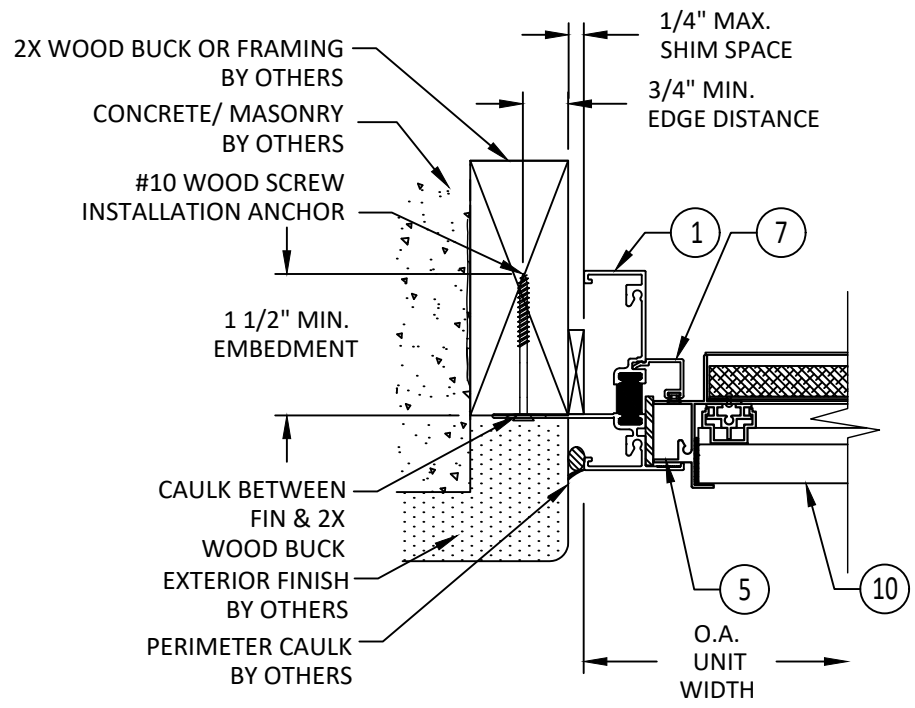
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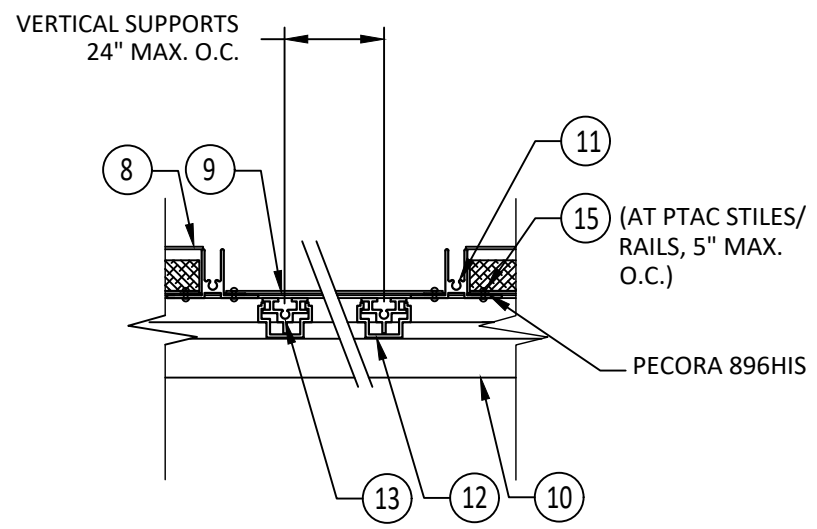
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TITLE: SERIES 340(E700) FRAME
WITH IMPACT LOUVER INSERT
(WZ4)(IMPACT)
HORIZONTAL SECTIONS

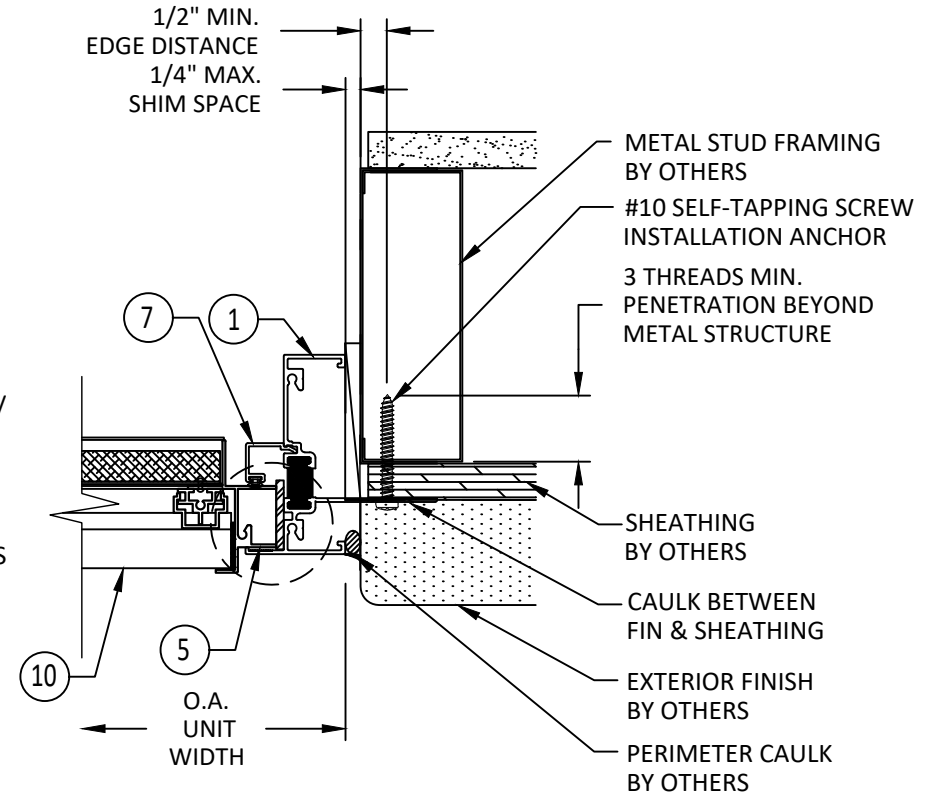
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D
4 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK LOUVER



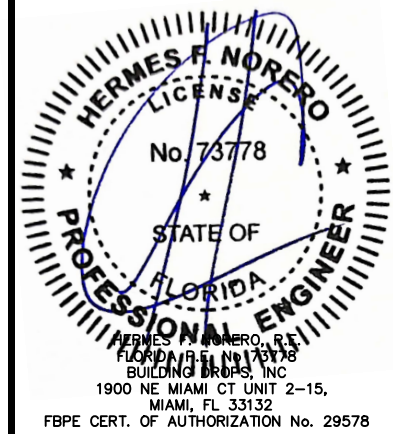
E
4 **HORIZONTAL SECTION**
VERTICAL SUPPORTS LOUVER



F
4 **HORIZONTAL SECTION**
JAMB - METAL STUD LOUVER

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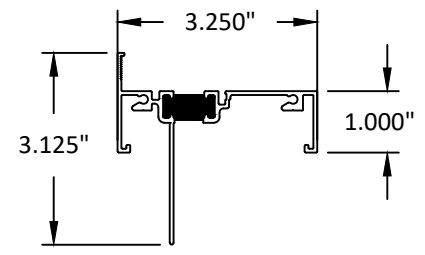
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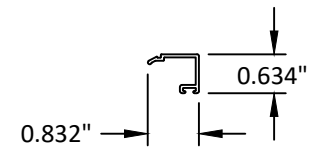
BILL OF MATERIALS

NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	FRAME - HEAD/SILL/JAMB	ALUMINUM 6063-T6	QUAKER
2	GLAZING STOP	ALUMINUM 6063-T6	QUAKER
3	---	---	---
4	MULLED FRAME	ALUMINUM 6063-T6	QUAKER
5	LOUVER FRAME	ALUMINUM 6063-T6	QUAKER
6	LOUVER SUB-SILL W/ FIN	ALUMINUM 6063-T6	QUAKER
7	LOUVER STOP	ALUMINUM 6063-T6	QUAKER
8	BLANK-OFF PANEL - INBOARD SKIN	24 GA. GALV. STEEL	QUAKER
9	BLANK-OFF PANEL - OUTBOARD SKIN	16 GA. GALV. STEEL	QUAKER
10	LOUVER BLADES	ALUMINUM 6063-T6	QUAKER
11	PTAC MEETING RAIL/STILES	ALUMINUM 6063-T6	QUAKER
12	VERTICAL STRUT	ALUMINUM 6063-T6	QUAKER
13	VERTICAL STRUT BACKER	ALUMINUM 6063-T6	QUAKER
14	C-MULL	ALUMINUM 6063-T6	QUAKER
15	3/16" POP-RIVETS	-	-
16	CENTER BAR BRACKET	-	-
17	SASH LOCK	-	-
18	LATCH BOLT	-	-
19	GLAZING STOP WEATHER STRIP	-	-

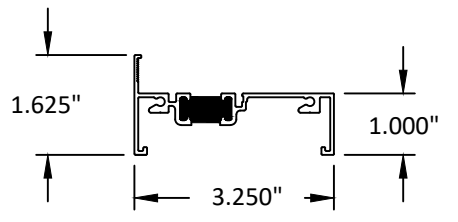
1 FRAME- HEAD/SILL/JAMB
6063-T6 ALUMINUM
TYPICAL WALL THICKNESS: 0.062"



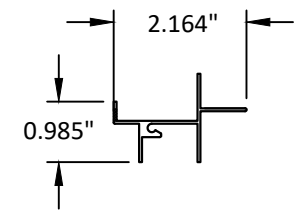
2 GLAZING STOP
6063-T6 ALUMINUM
TYPICAL WALL THICKNESS: 0.062"



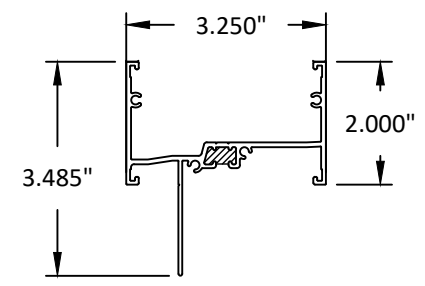
4 MULLED FRAME
6063-T6 ALUMINUM
TYP. WALL THICKNESS: 0.062"



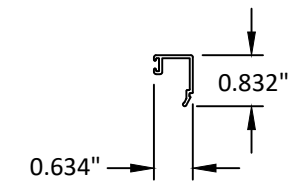
5 LOUVER FRAME
6063-T6 ALUMINUM
TYP. WALL THICKNESS: 0.062"



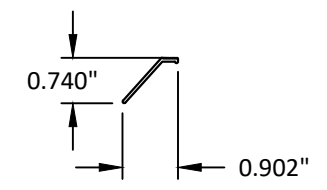
6 LOUVER SUB-SILL W/ FIN
6063-T6 ALUMINUM
TYP. WALL THICKNESS: 0.062"



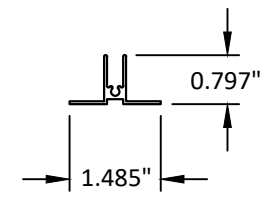
7 LOUVER STOP
6063-T6 ALUMINUM
TYP. WALL THICKNESS: 0.062"



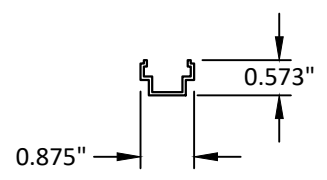
10 LOUVER BLADES
6063-T6 ALUMINUM



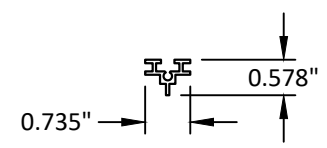
11 PTAC MEETING RAIL/STILE
6063-T6 ALUMINUM
TYP. WALL THICKNESS: 0.047"



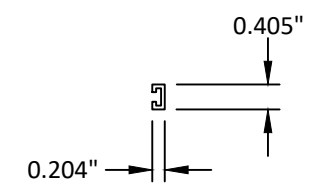
12 VERTICAL STRUT
6063-T6 ALUMINUM
TYP. WALL THICKNESS: 0.055"



13 VERTICAL STRUT BACKER
6063-T6 ALUMINUM
TYP. WALL THICKNESS: 0.055"



14 C-MULL
6063-T6 ALUMINUM
TYP. WALL THICKNESS: 0.062"



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

FL #: **FL15860**

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SCALE: **NTS**

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SHEET: **5** OF 5