

ANDERSEN CORPORATION

400 SERIES TILT WASH FIXED WINDOWS (NON-HVHZ)(IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR CLIP IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. 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.
4. 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.
5. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON PER ANCHOR LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
6. FOR INSTALLATION INTO 2X BUCK USE TWO (2) #8 WOOD SCREWS OR ONE (1) #10 WOOD SCREW PER INSTALLATION CLIP OR (1) #10 WOOD SCREW PER THROUGH FRAME ANCHOR LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
7. FOR INSTALLATION THROUGH METAL STUD USE TWO (2) #8 SELF-TAPPING SCREWS PER INSTALLATION CLIP OR (1) #8 SELF-TAPPING SCREW PER THROUGH FRAME ANCHOR LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. 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.
11. 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.
12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS (20 GAUGE).

F. ALUMINUM - MINIMUM WALL THICKNESS OF 1/8". ALLOY SHALL BE 6063-T5 OR BETTER.

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 E 1886-19

• ASTM E 1996-20
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL 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.
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** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4 OR LESS.
6. WINDOW FRAME MATERIAL: PONDEROSA PINE (MIN. SG = 0.40)/VINYL
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL
9. CUSTOM SIZES AVAILABLE UPON REQUEST. SEE DESIGN PRESSURE CHART FOR PRODUCT RATING.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL & INSTALLATION NOTES
2	ELEVATIONS & ANCHOR LAYOUTS
3	VERTICAL SECTIONS TWT & CTN
4	HORIZONTAL SECTIONS TWT & CTN
5	HORIZONTAL & VERTICAL SECTIONS DHP
6	GLAZING DETAILS

DESIGN PRESSURE RATING		
GLAZING TYPE	DESIGN PRESSURE	MISSILE IMPACT RATING
ALL	+50.0 / -65.0 PSF	SMALL AND LARGE MISSILE IMPACT RATED



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GENERAL & INSTALLATION NOTES

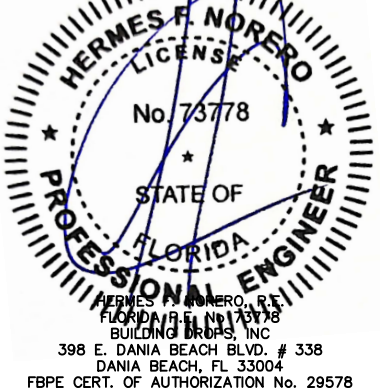


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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.14.15
6TH FBC CODE CHANGE	CL	8.15.17
7TH FBC CODE CHANGE	SR	3.20.20
8TH FBC CODE CHANGE	SH	5.25.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.14 20:14:53 -0400'



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FL15905

DATE: **08.15.17**

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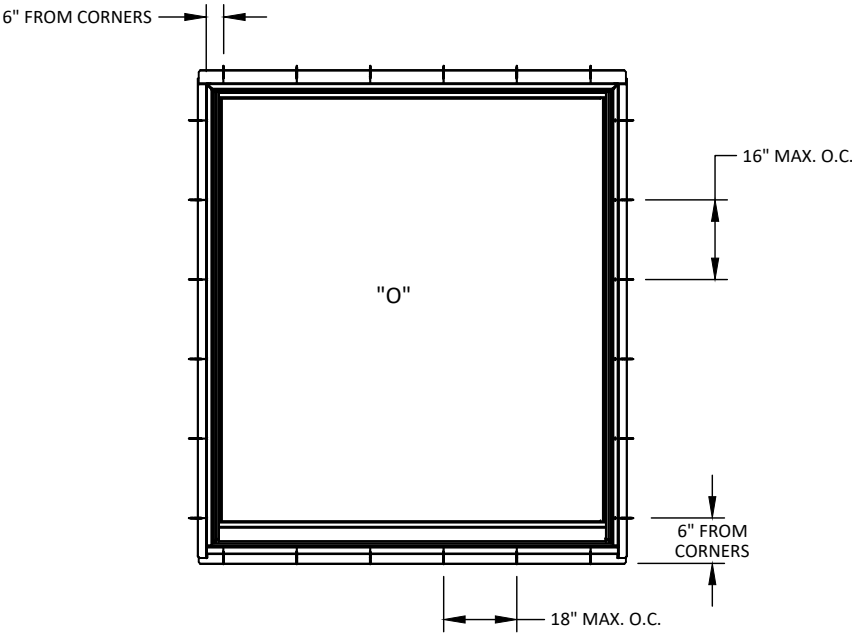
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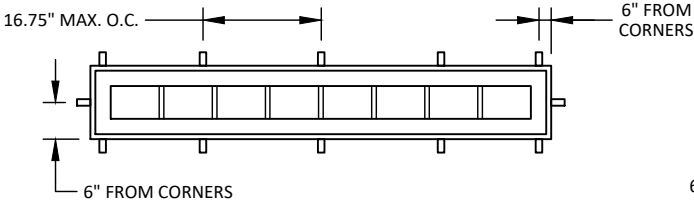
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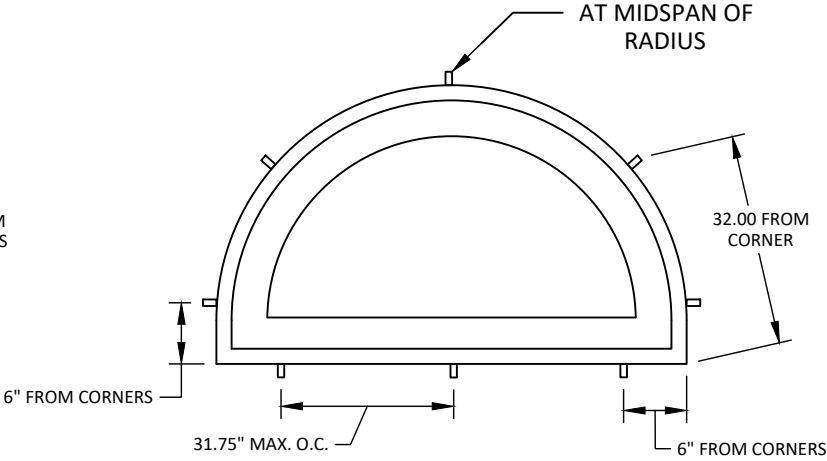
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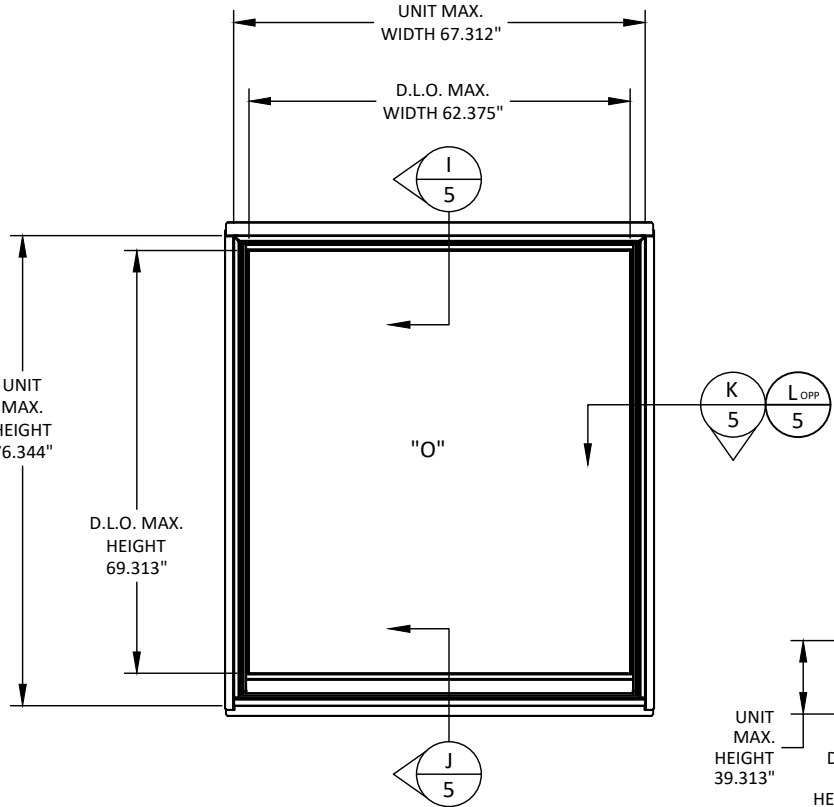
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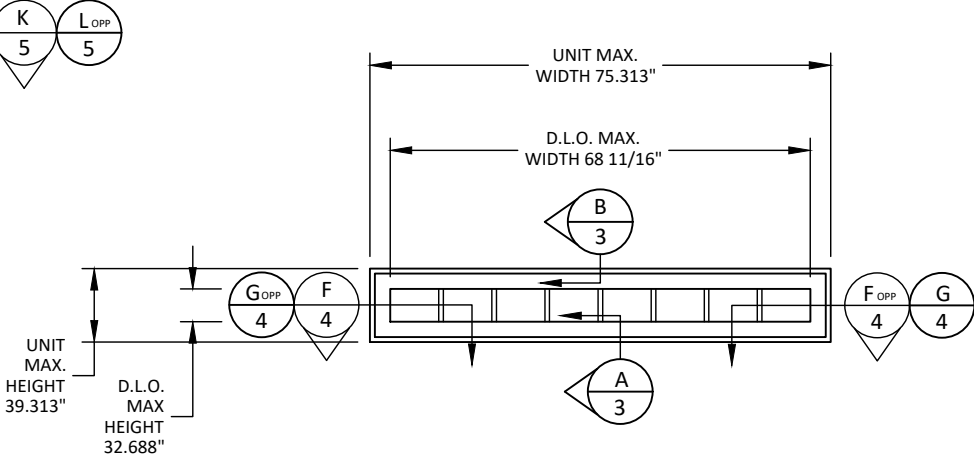
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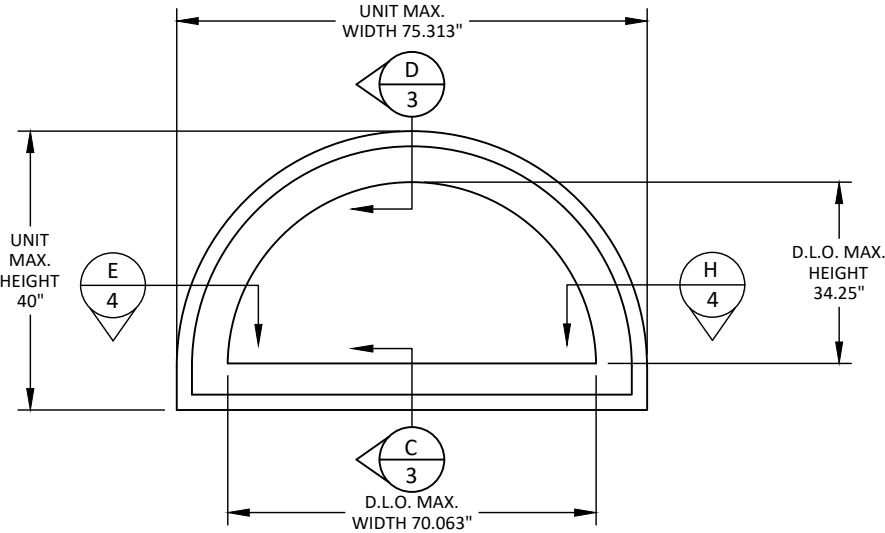
ANCHOR LAYOUT



ELEVATION
DHP



ELEVATION
TWT



ELEVATION
CTN



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ELEVATIONS & ANCHOR LAYOUTS

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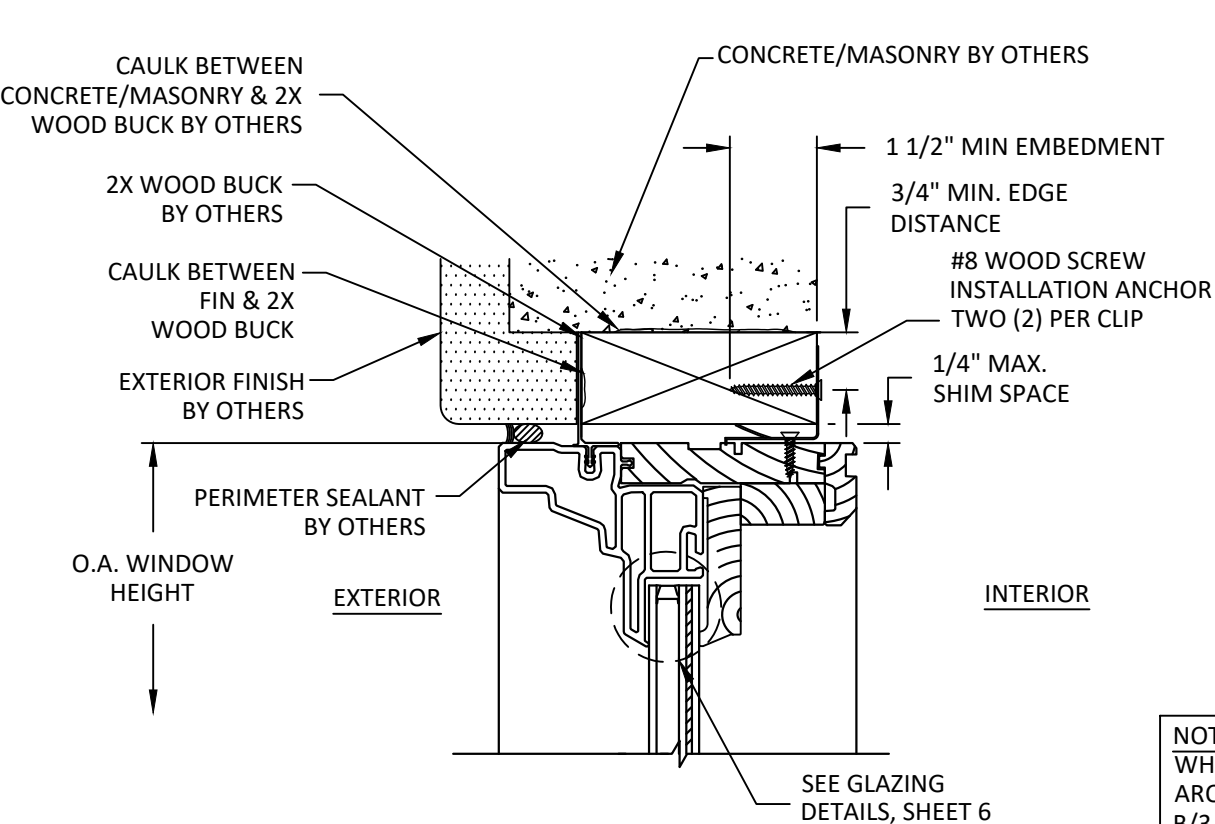
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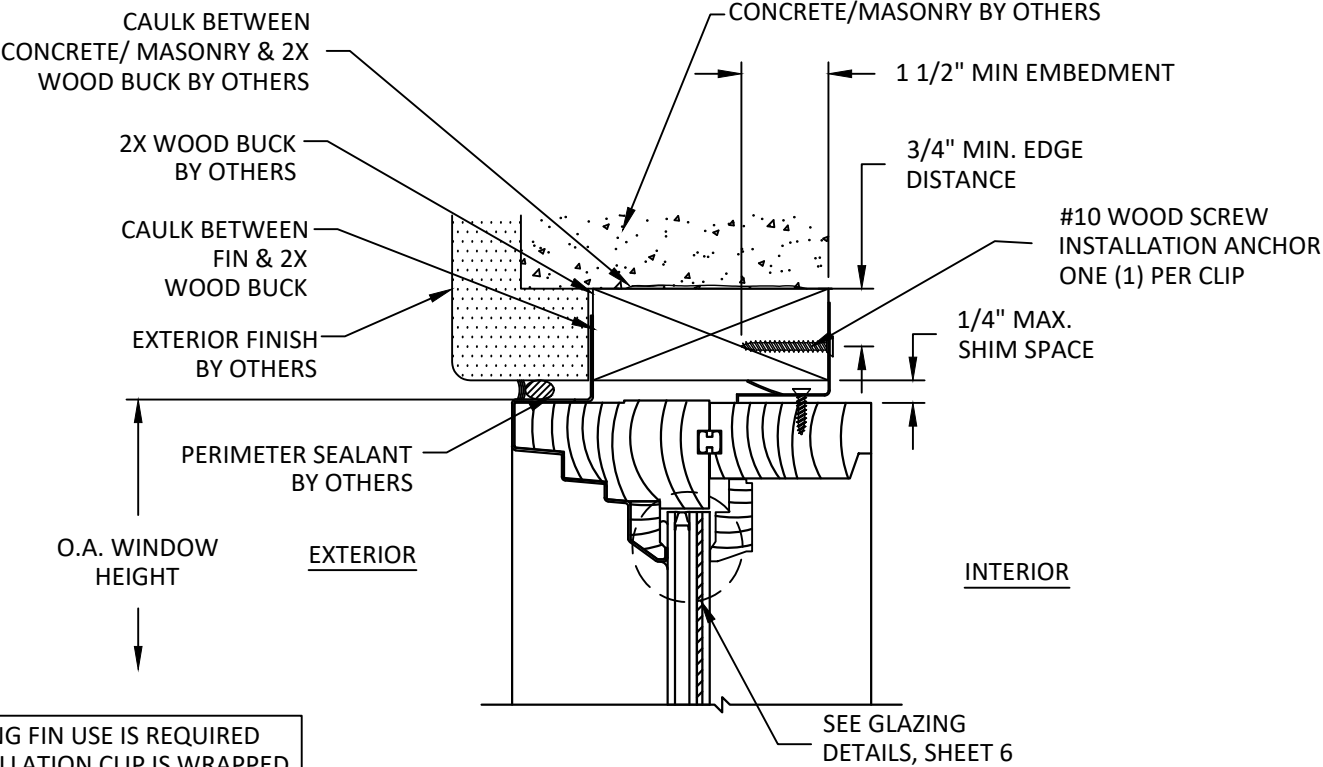


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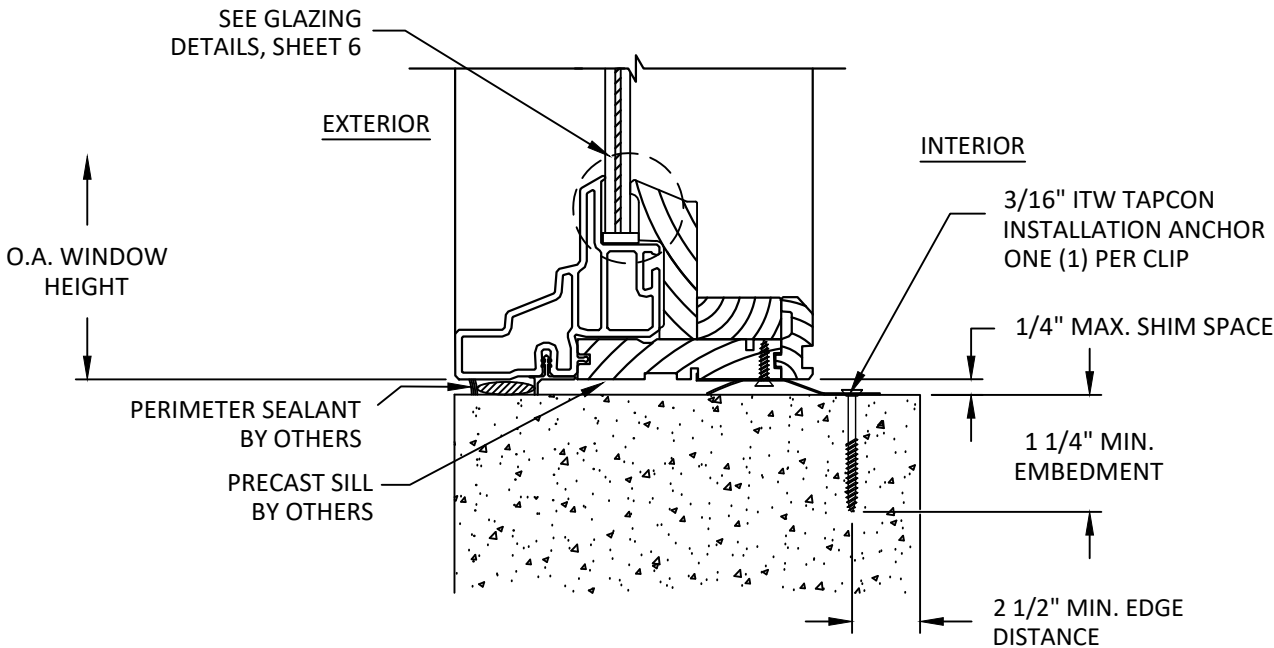


B
3 VERTICAL SECTION - TWT
HEAD - 2X WOOD/CONCRETE/MASONRY
INSTALLATION CLIP

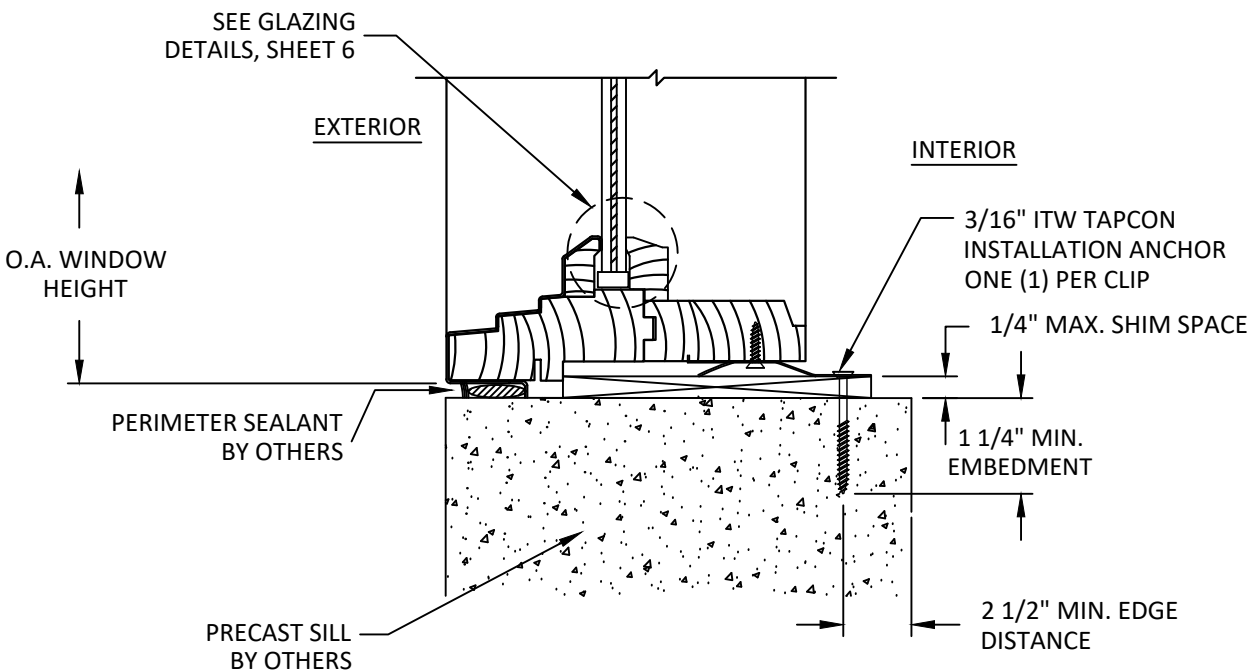


D
3 VERTICAL SECTION - CTN
HEAD - 2X WOOD/CONCRETE/MASONRY
INSTALLATION CLIP

NOTE: NAILING FIN USE IS REQUIRED
WHEN INSTALLATION CLIP IS WRAPPED
AROUND BUCK AS SHOWN IN DETAILS
B/3 OR D/3.



A
3 VERTICAL SECTION - TWT
SILL - PRECAST CONCRETE
INSTALLATION CLIP



C
3 VERTICAL SECTION - CTN
SILL - PRECAST CONCRETE
INSTALLATION CLIP



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VERTICAL SECTIONS TWT & CTN

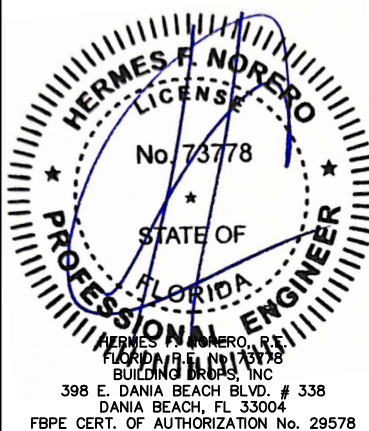
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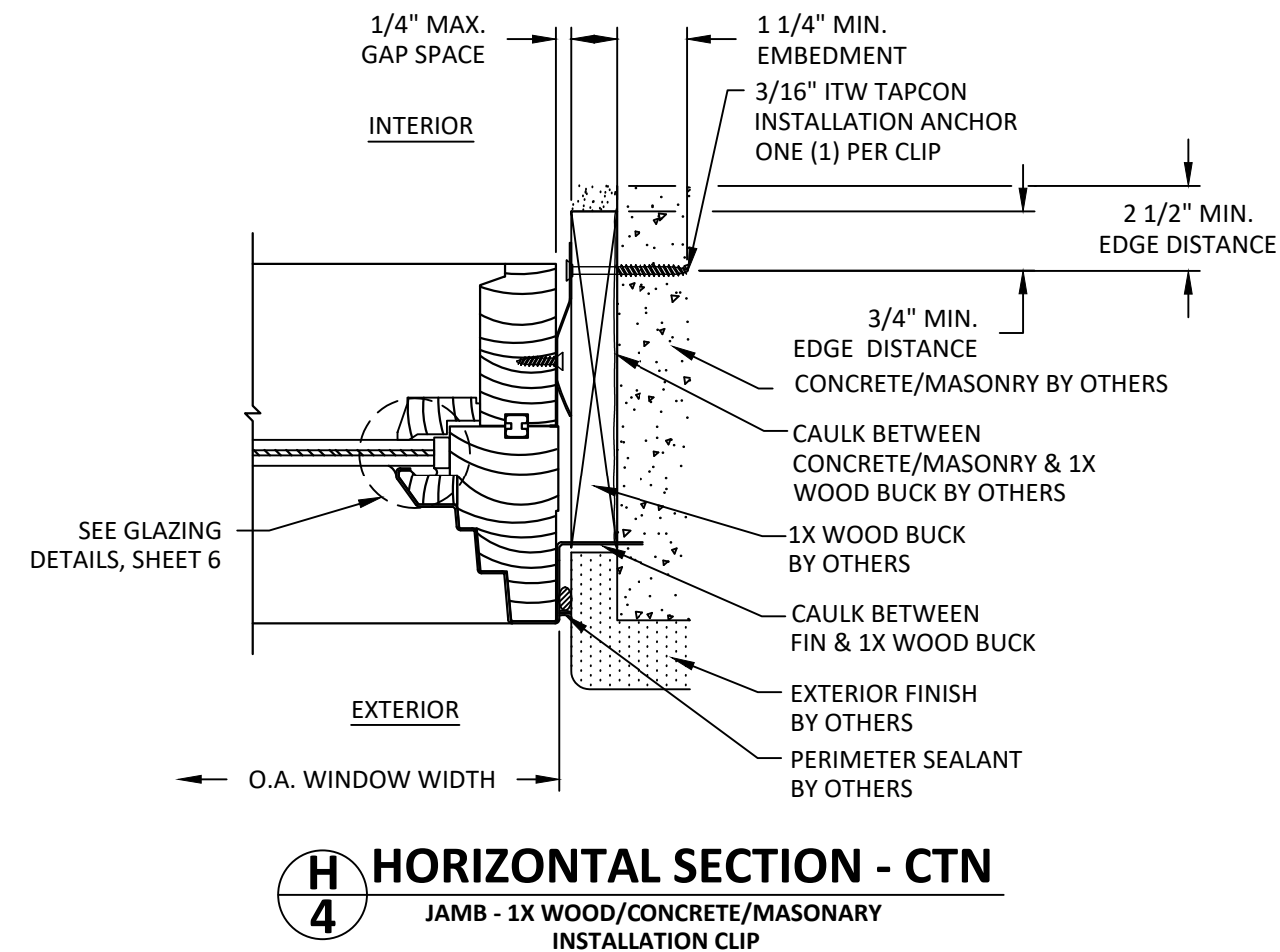
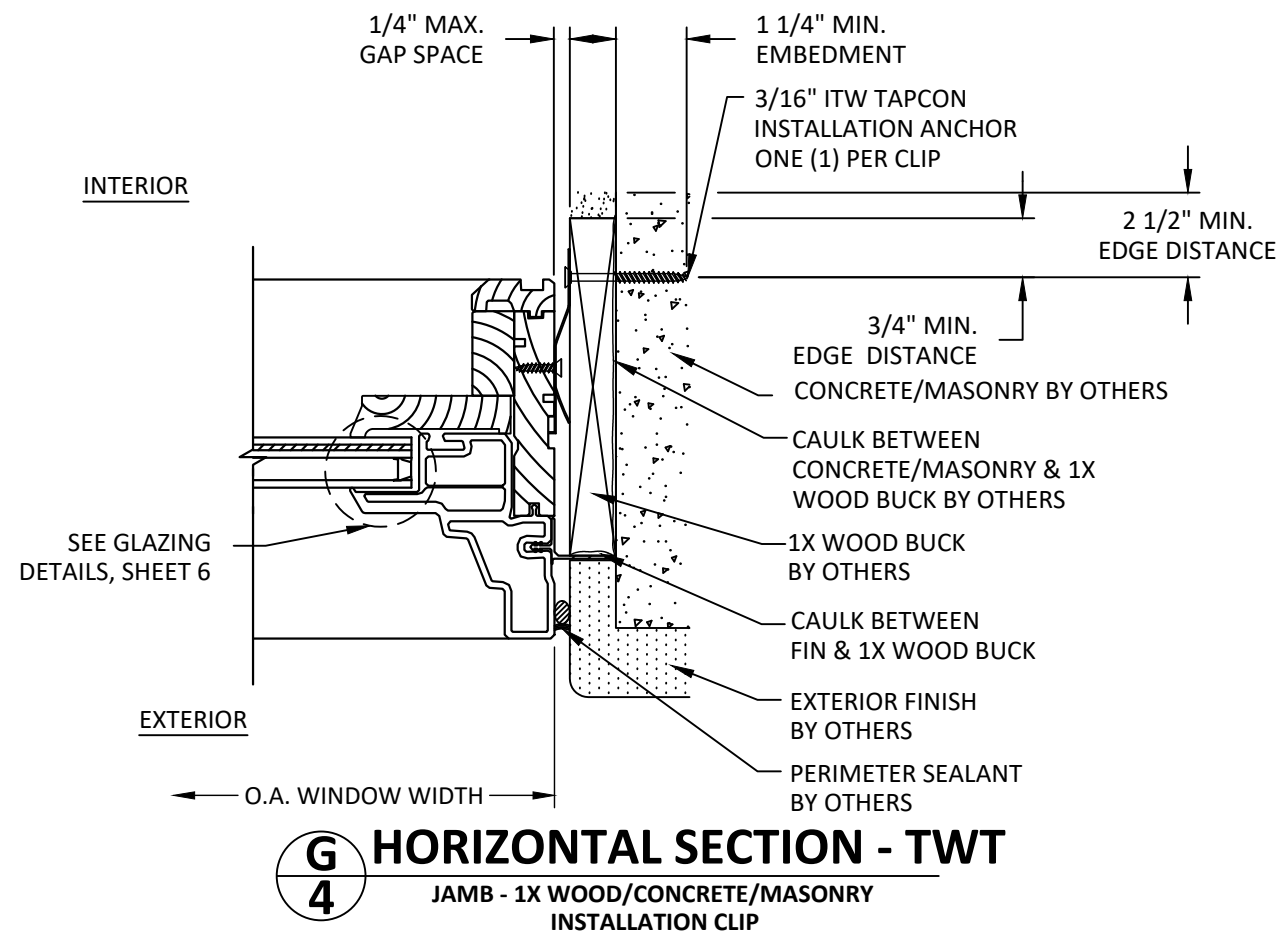
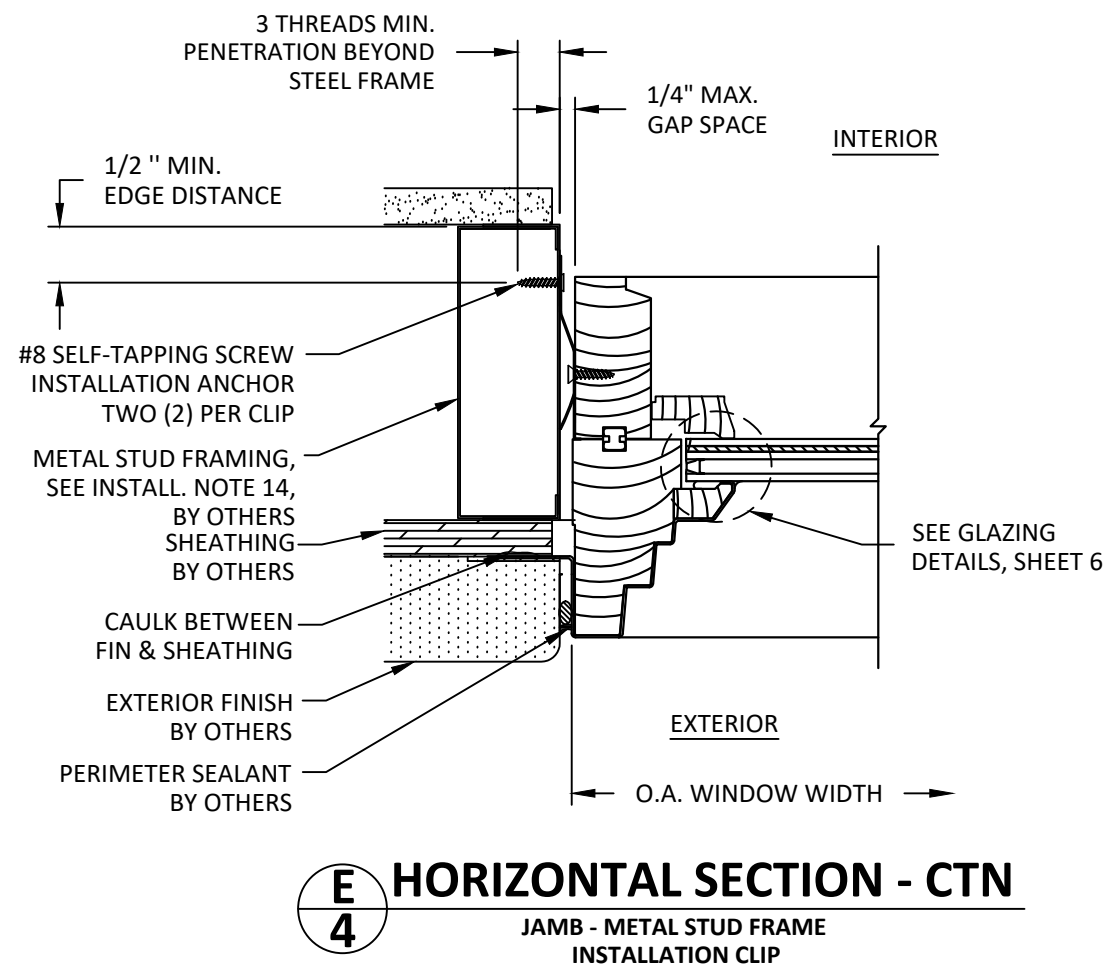
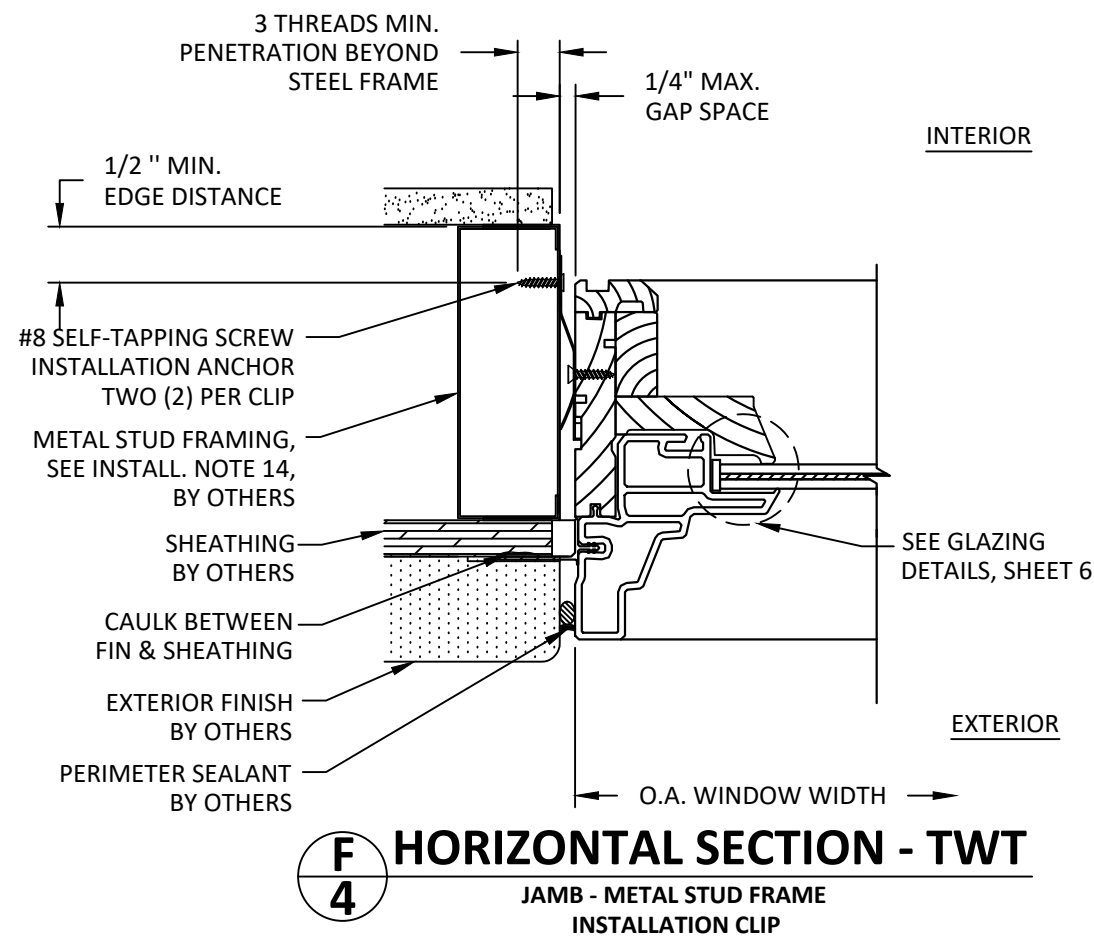
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HORIZONTAL SECTIONS TWT & CTN

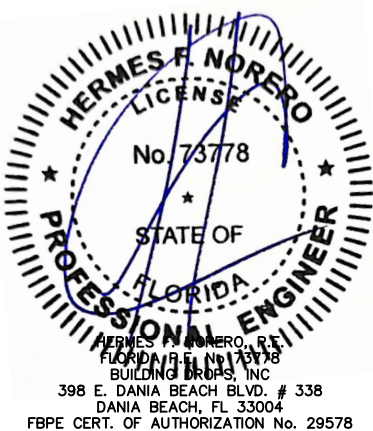
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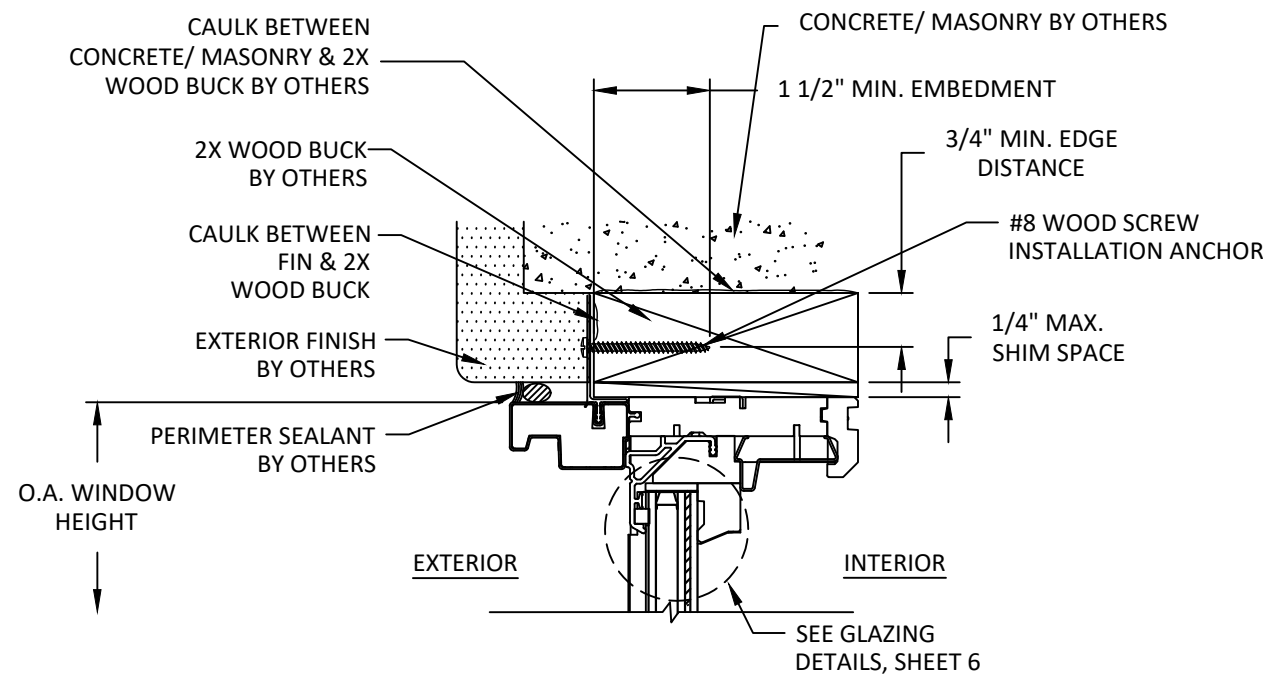
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SCALE: NTS

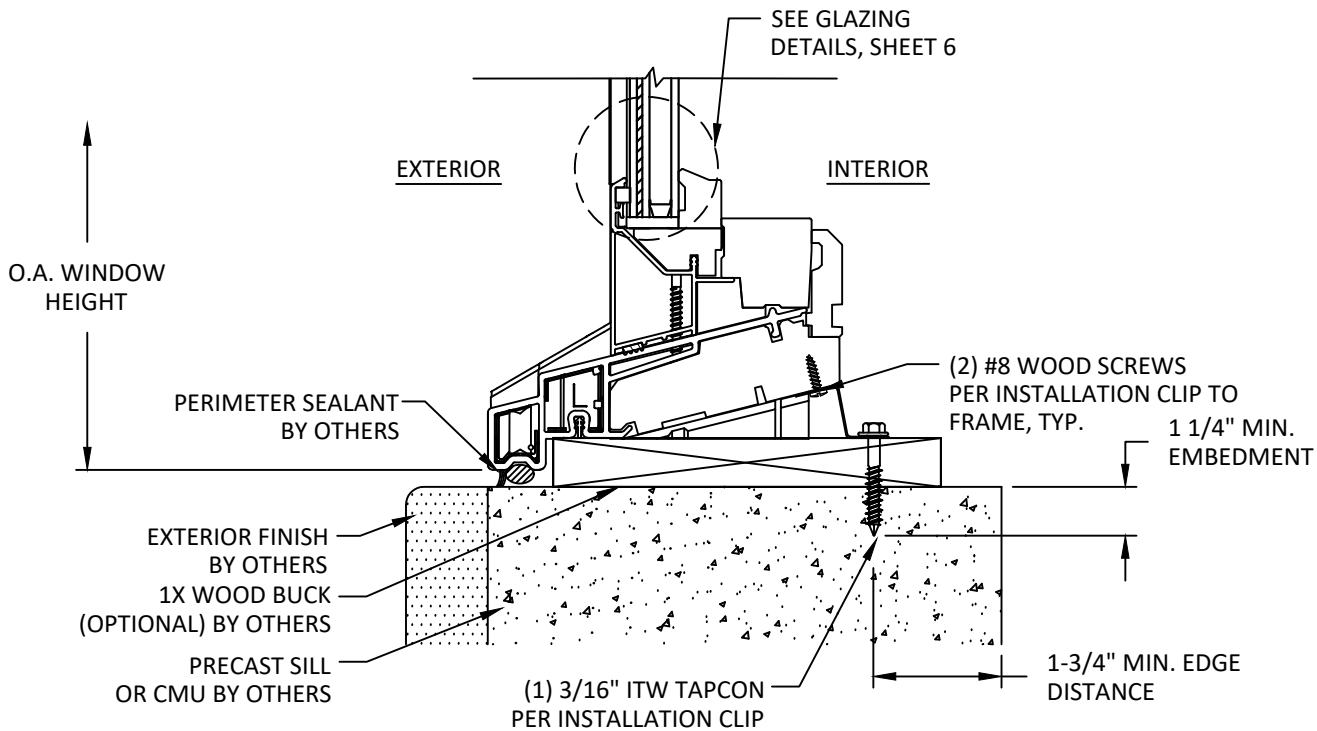
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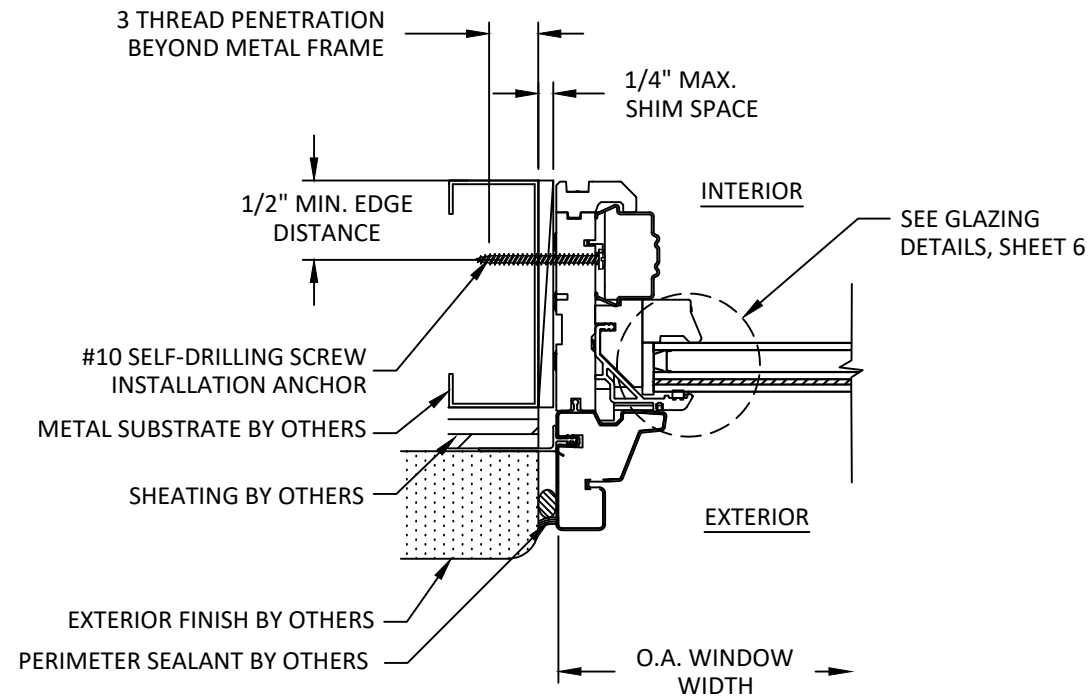
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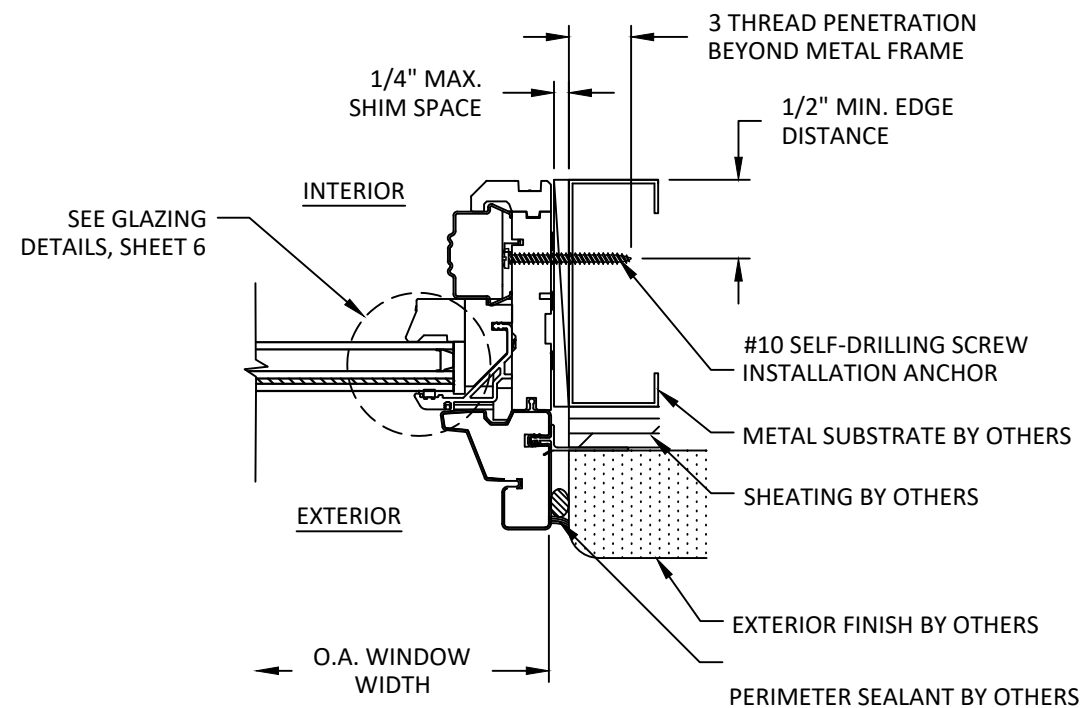
I
5 **VERTICAL SECTION - DHP**
HEAD - 2X WOOD BUCK
NAIL FIN



J
5 **VERTICAL SECTION - DHP**
SILL - 1X WOOD ON CONCRETE/MASONRY
INSTALLATION CLIP



L
5 **HORIZONTAL SECTION - DHP**
JAMB - METAL FRAME SUBSTRATE
THROUGH FRAME



K
5 **HORIZONTAL SECTION - DHP**
JAMB - METAL FRAME SUBSTRATE
THROUGH FRAME



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HORIZONTAL & VERTICAL SECTIONS DHP

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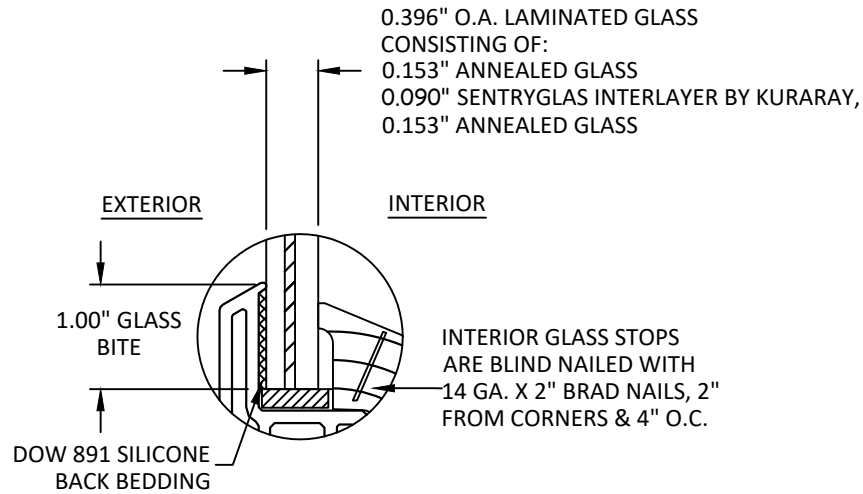
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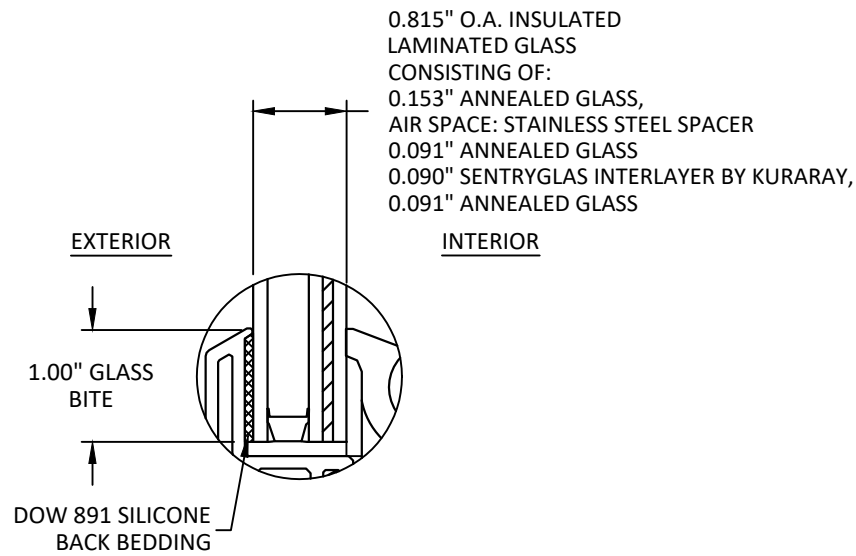
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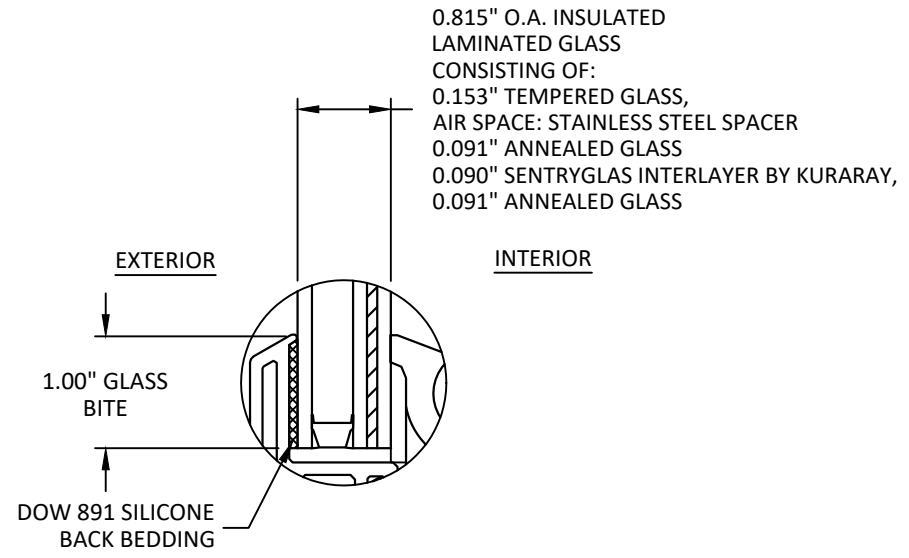
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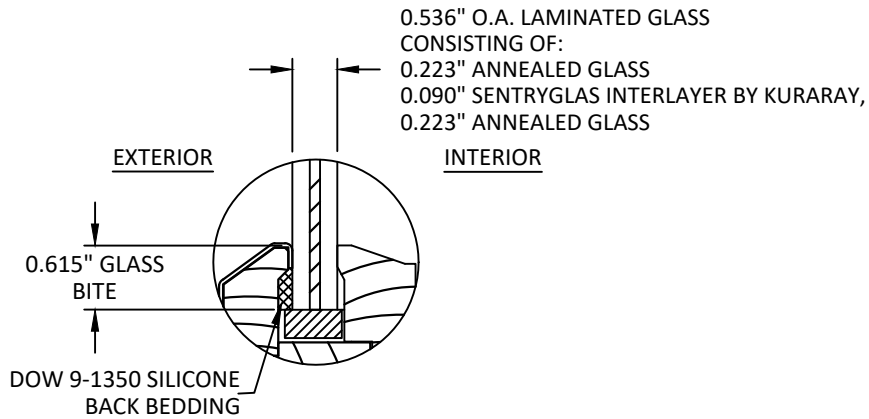
GLAZING DETAIL A - TWT



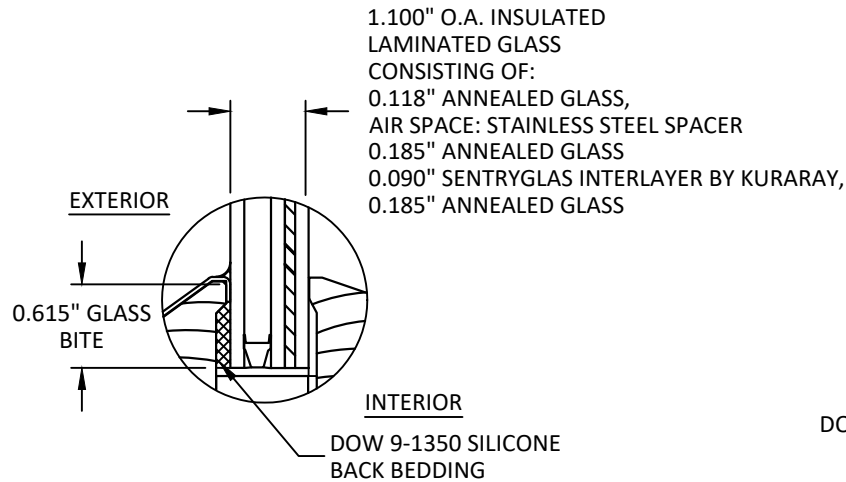
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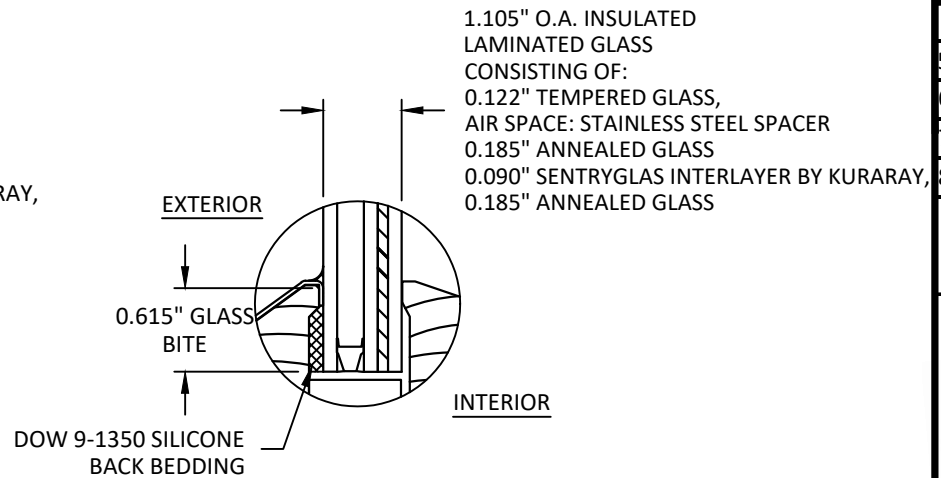
GLAZING DETAIL C - TWT



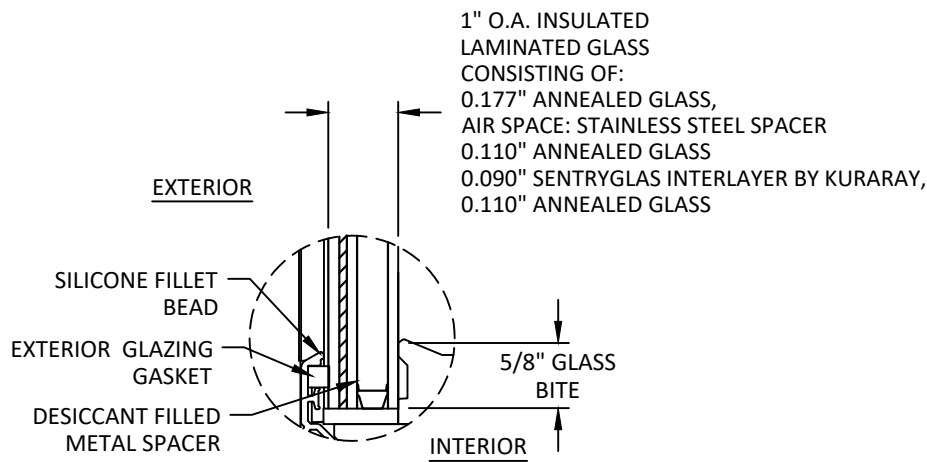
GLAZING DETAIL D - CTN



GLAZING DETAIL E - CTN



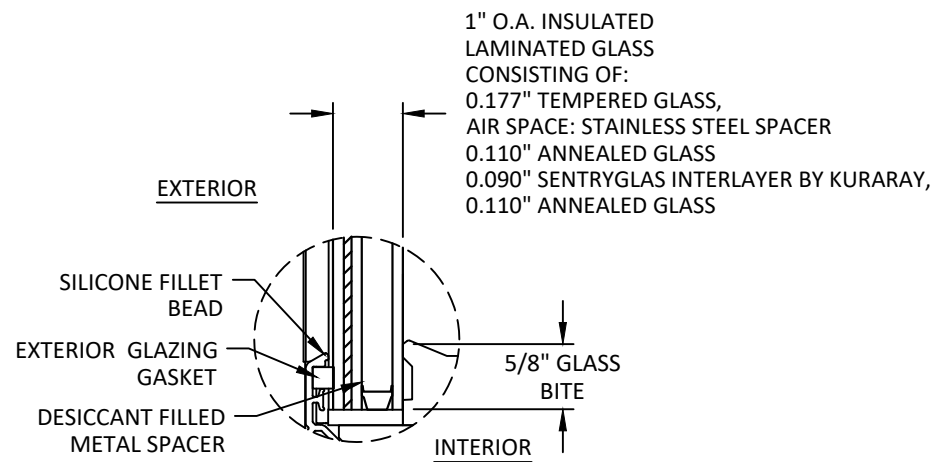
GLAZING DETAIL F - CTN



GLAZING DETAIL G - DHP

GLAZING NOTES:

1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS.
2. SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS PER THE FBC.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
5. TWT UNITS' INTERIOR GLASS STOPS SHALL BE SECURED WITH 1/4" X 1-1/2" STAPLES, 2" FROM CORNERS & 8" O.C.
6. CTN UNITS' INTERIOR GLASS STOP SHALL BE SECURED WITH 1/4" X 1-1/2" STAPLES, 6" O.C.
7. DHP UNITS' INTERIOR GLASS STOP SHALL BE SECURED WITH 1-1/2" BRAD NAILS, 12" MAX. O.C.



GLAZING DETAIL H - DHP



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6

OF 6