

INSTALLATION NOTES:

1. FOR CLIP INSTALLATION TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. FOR THROUGH FRAME INSTALLATION ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
3. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
4. 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.
5. 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.
6. FOR CLIP INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
7. FOR CLIP INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
8. FOR CLIP INSTALLATION INTO STEEL STUD FRAME USE #10 TEK SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM ENGAGEMENT OF 3 THREADS.
6. FOR THROUGH FRAME INSTALLATION INTO WOOD FRAMING USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
7. FOR THROUGH FRAME INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
8. FOR THROUGH FRAME INSTALLATION INTO STEEL STUD FRAME USE #12 TEK SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM ENGAGEMENT OF 3 THREADS.
9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
10. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
11. 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.
12. 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.
13. 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. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MIN F'=1500 PSI.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS.

E. ALUMINUM - MINIMUM THICKNESS OF 1/8", 6063-T6.

THERMAL WINDOWS, INC.

SERIES 550 FIXED WINDOW

(NON-HVHZ)(NON-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
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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
7. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAIL.

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6	COMPONENTS & BILL OF MATERIALS

DESIGN PRESSURE RATING		
SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
60" x 71"	+80 PSF -80 PSF	NOT RATED



THERMAL WINDOWS, INC.
12805 E. 31ST ST
TULSA, OK 74146
PH: (918) 663-7580 FX: (918) 627-3049

TITLE: SERIES 550 FIXED WINDOW (NON-HVHZ) (NON-IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

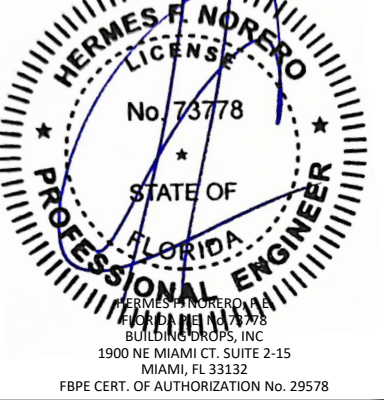
BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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FAX: (954) 744-4738
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REMARKS	BY	DATE
6TH EDITION FBC REVISION	EG	12/19/18
2023 FBC REVISION	JR	11/04/25

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Reason: I am approving this document
Date: 2025.11.09 21:34:11 +01'00'



FL #:

FL13843

DATE:

12.19.18

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EG

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

TW013

SHEET:

1

OF 6



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ELEVATION &
ANCHOR LAYOUT

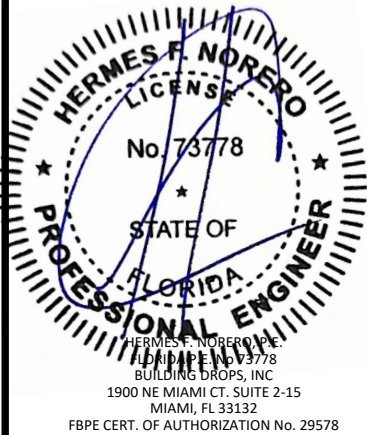
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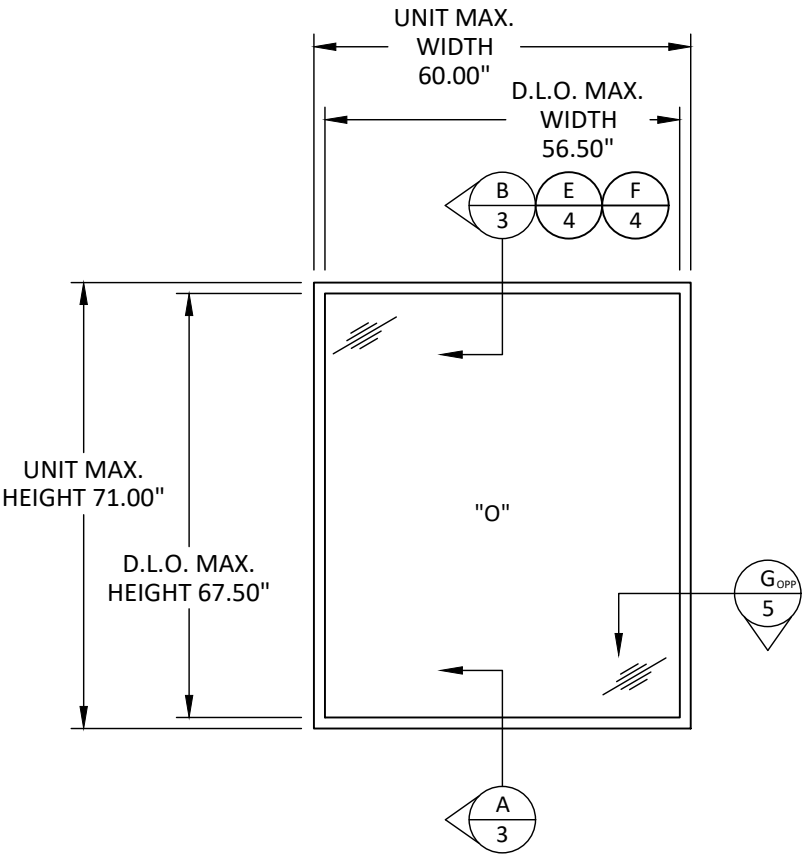
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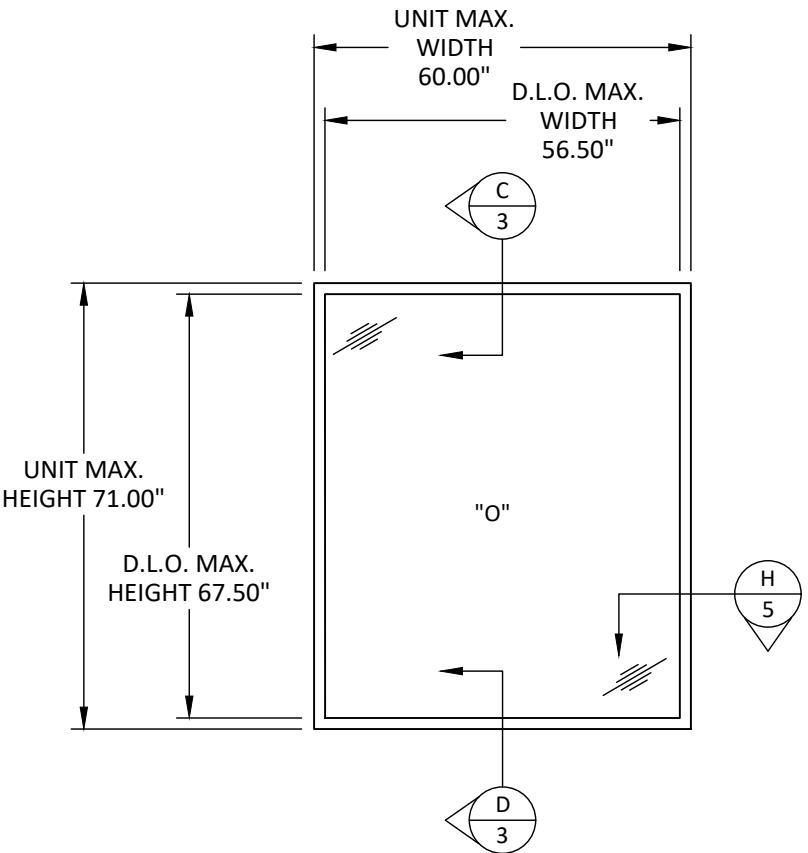
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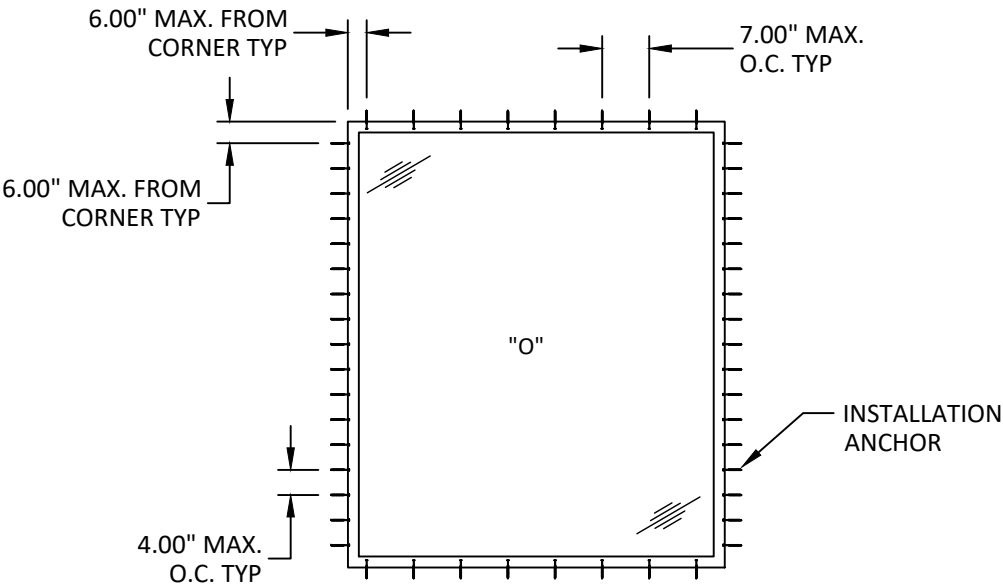
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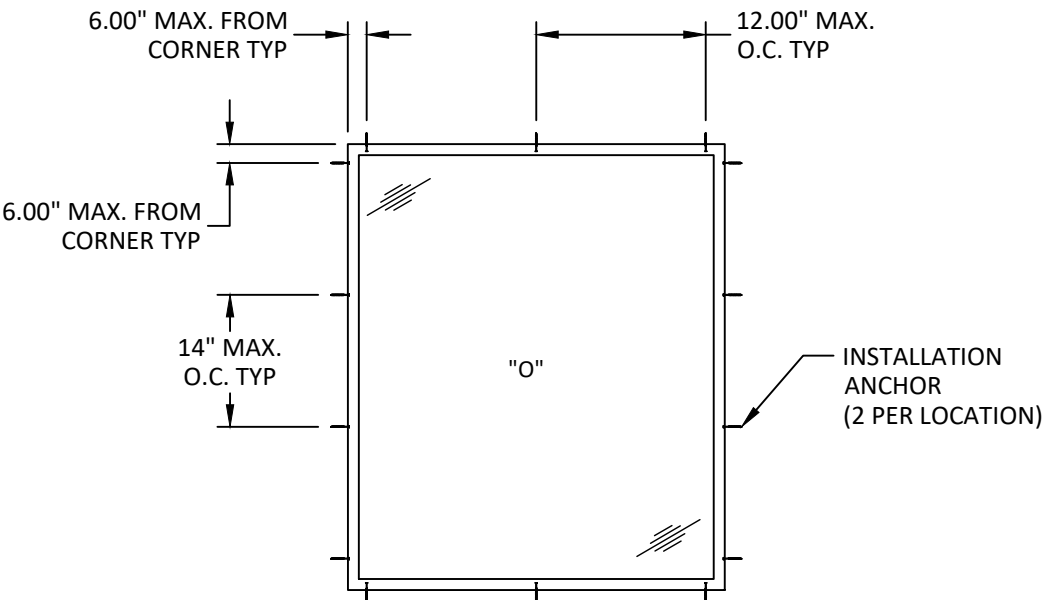
ELEVATION



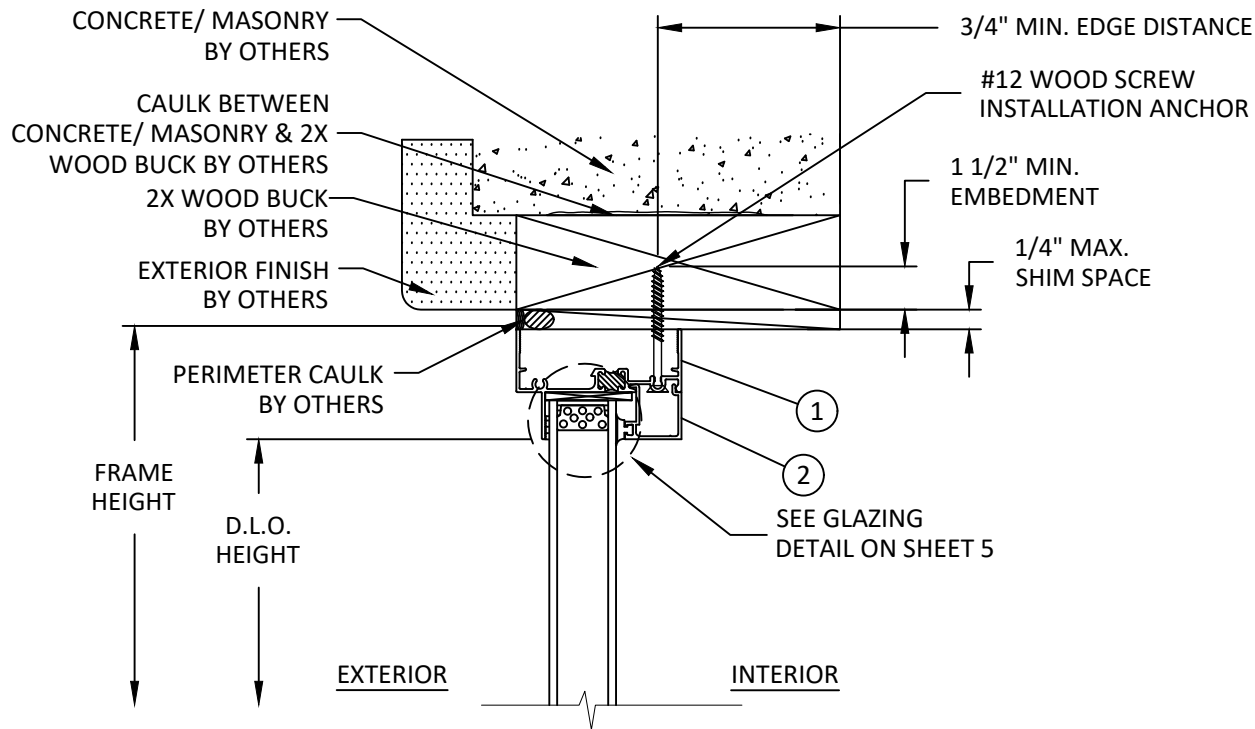
ELEVATION (WITH CLIPS)



ANCHOR LAYOUT

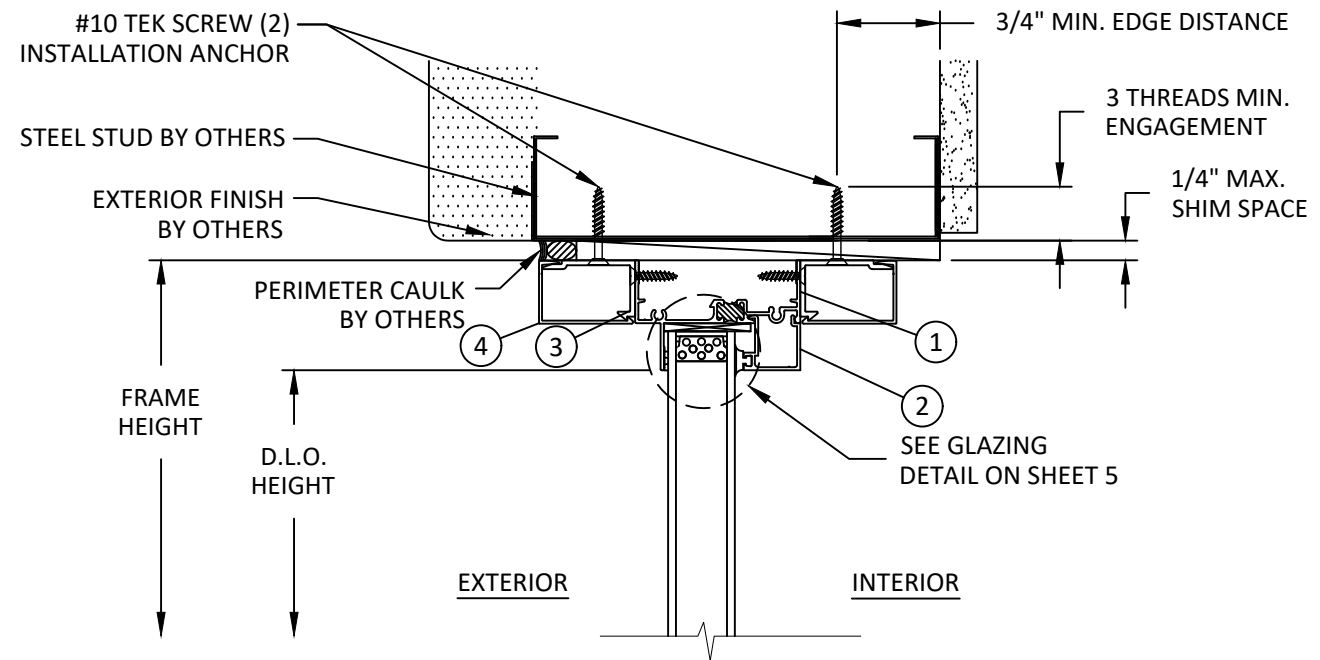


ANCHOR LAYOUT (WITH CLIPS)

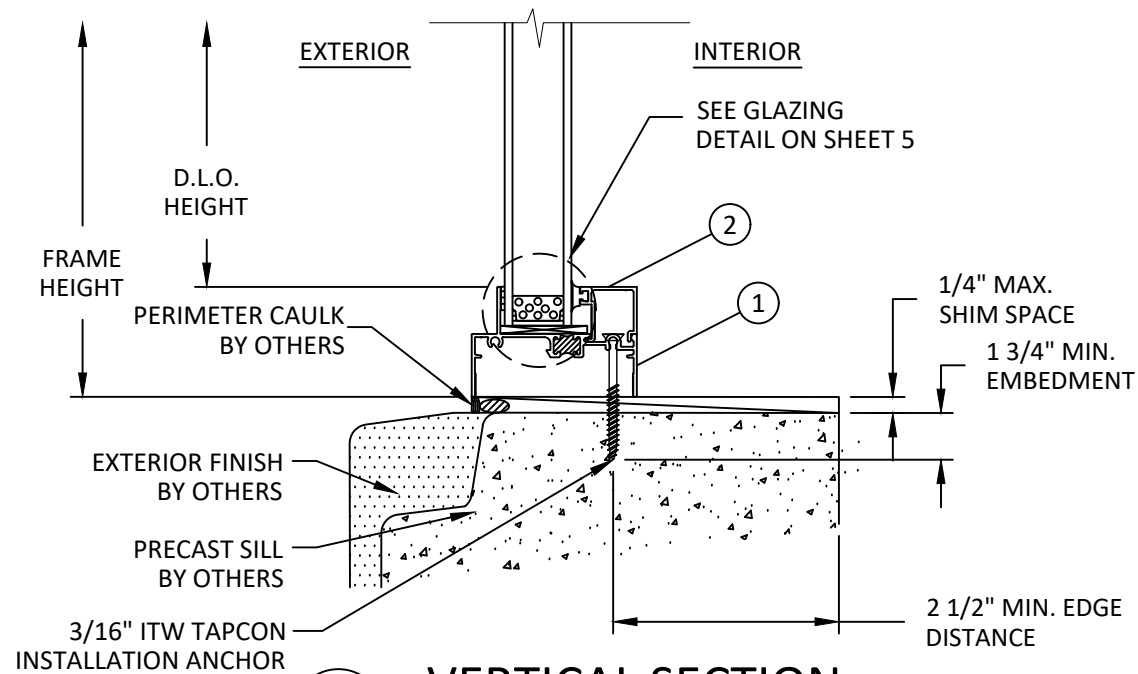


B
3 VERTICAL SECTION
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION

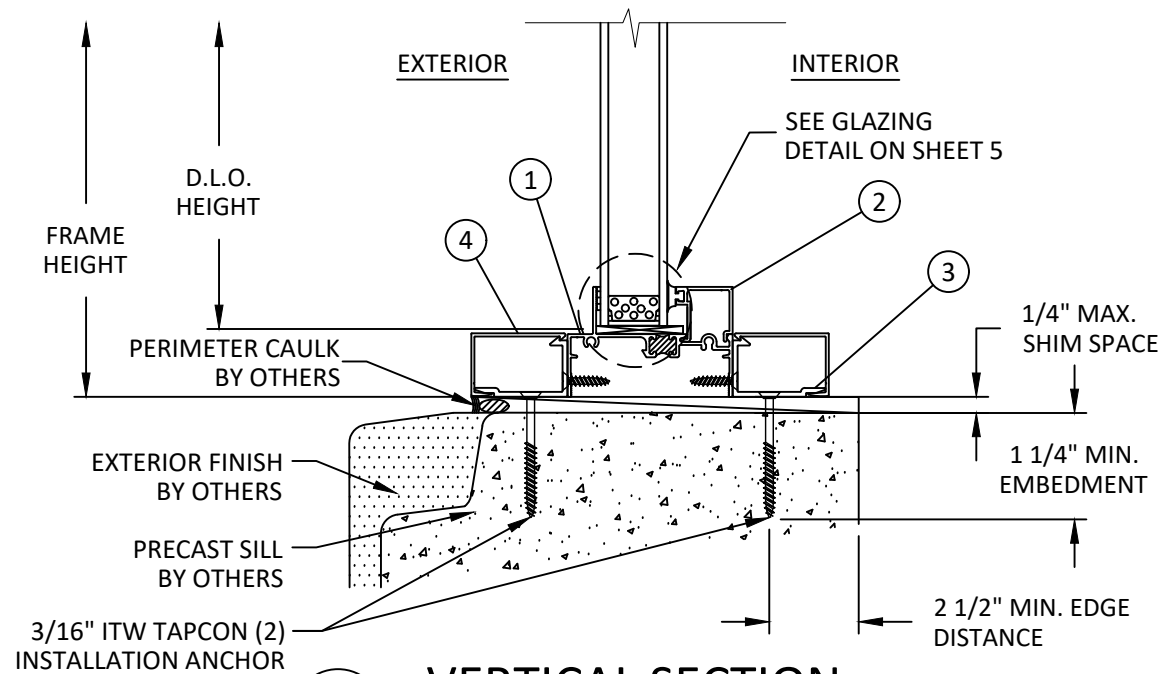
NOTE: ALL SUBSTRATES QUALIFIED FOR
THOUGH FRAME INSTALLATION AND CLIP
INSTALLATION.



C
3 VERTICAL SECTION
HEAD - STEEL STUD
CLIP INSTALLATION



A
3 VERTICAL SECTION
SILL - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION



D
3 VERTICAL SECTION
SILL - CONCRETE/MASONRY
CLIP INSTALLATION



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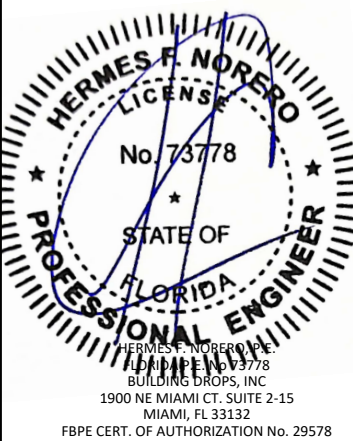
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VERTICAL SECTIONS

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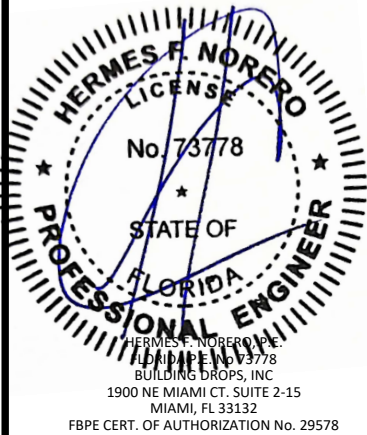
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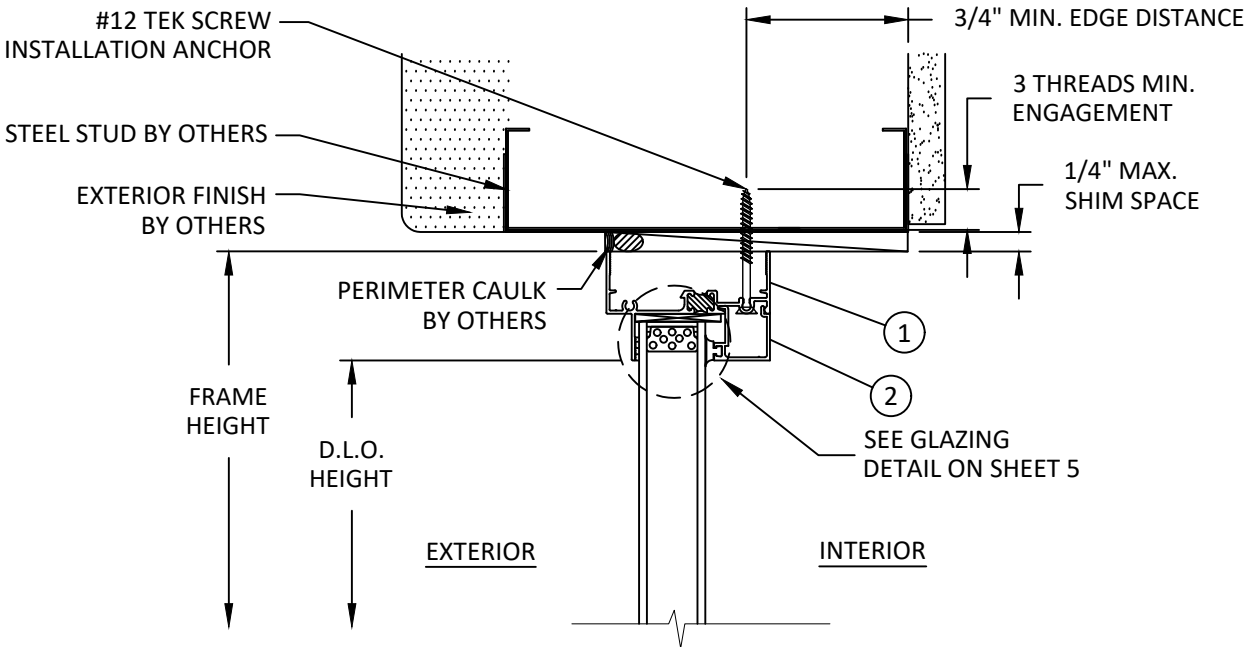
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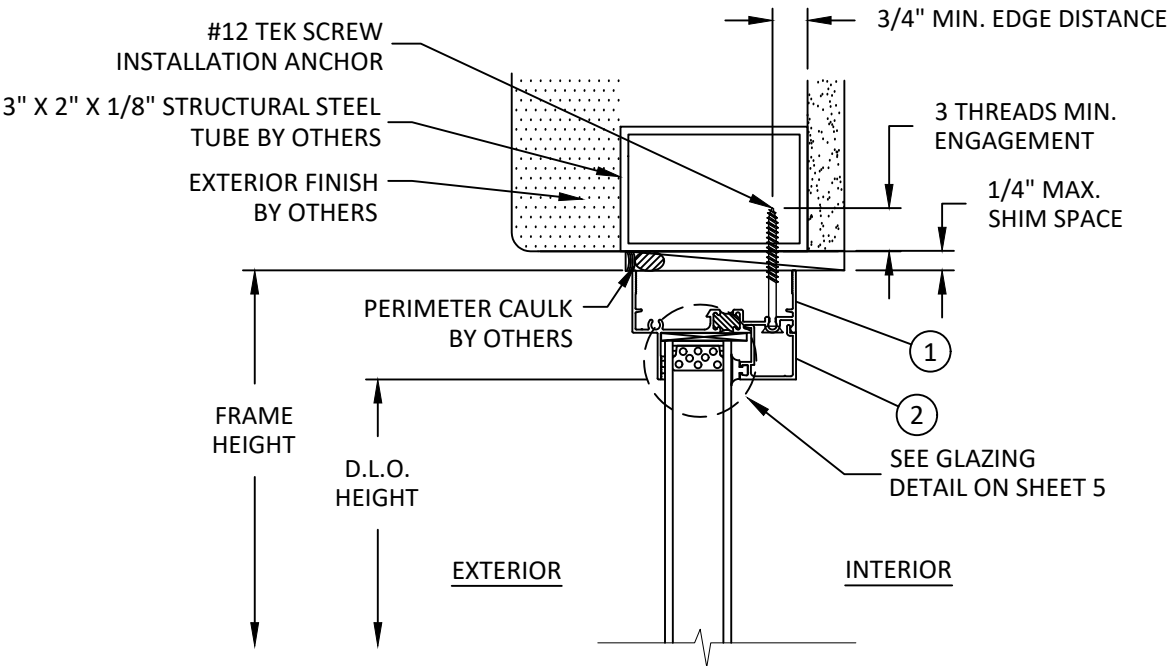
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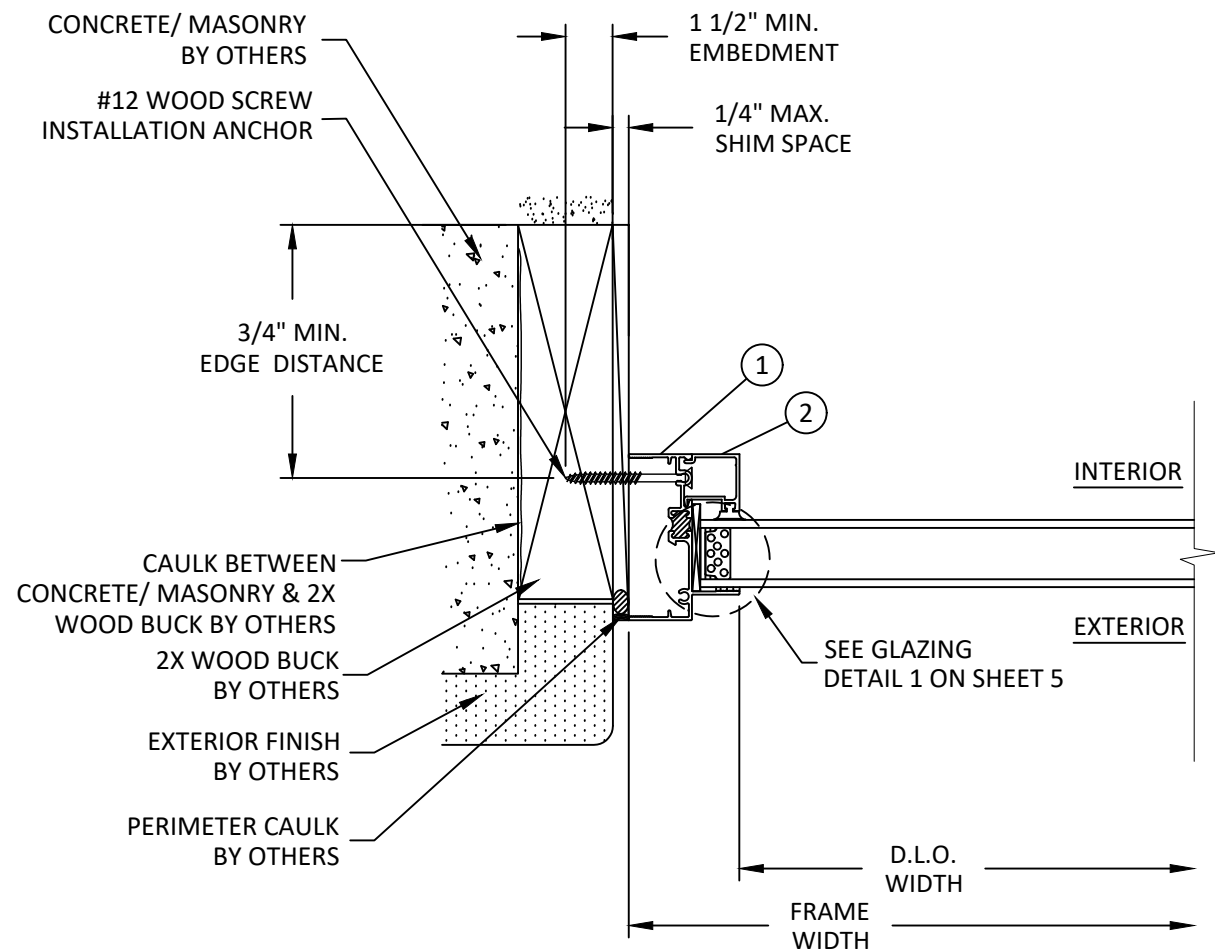


E
4 VERTICAL SECTION
HEAD - STEEL STUD
THROUGH FRAME INSTALLATION

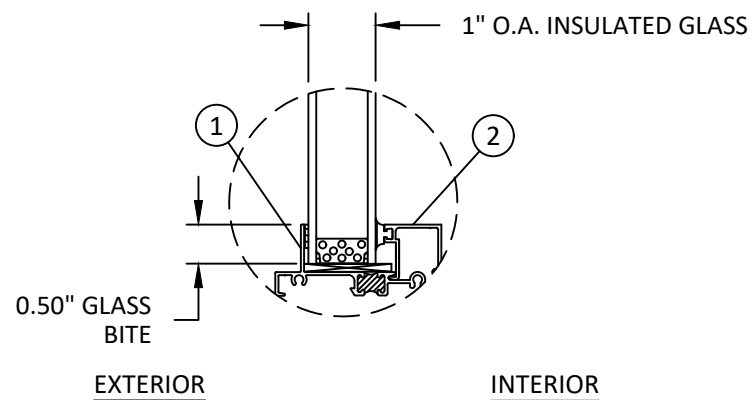


F
4 VERTICAL SECTION
HEAD - STRUCTURAL STEEL TUBE
THROUGH FRAME INSTALLATION

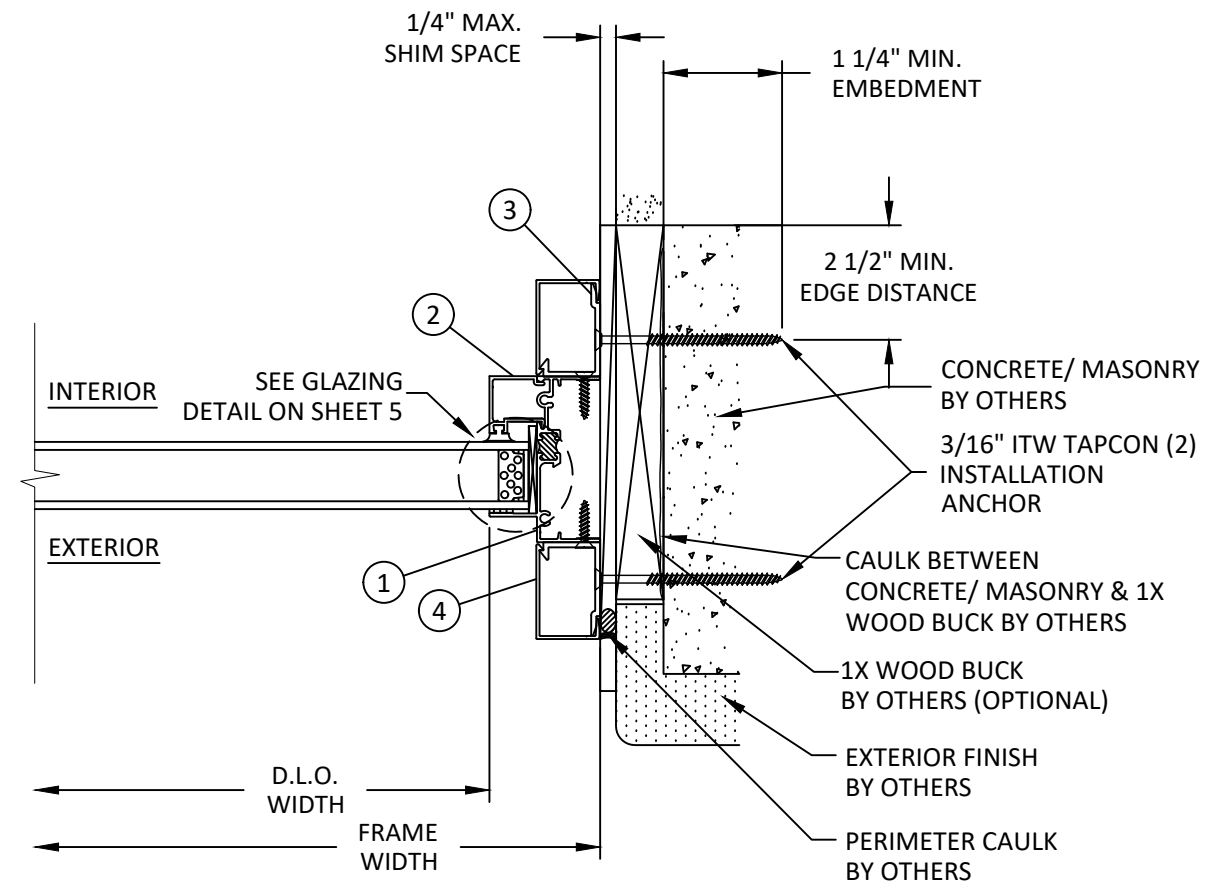
NOTE: ALL SUBSTRATES QUALIFIED FOR
THOUGH FRAME INSTALLATION AND CLIP
INSTALLATION.



G-5 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
THROUGH FRAME INSTALLATION



GLAZING DETAIL 1



H-5 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY
CLIP INSTALLATION

GLAZING NOTES:

1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC 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 SHOWN HEREIN.



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HORIZONTAL SECTIONS
& GLAZING DETAIL

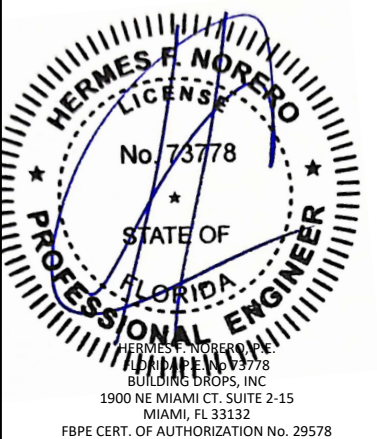
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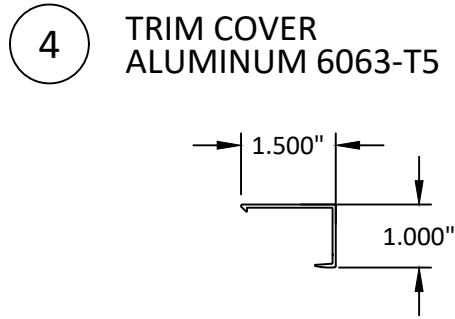
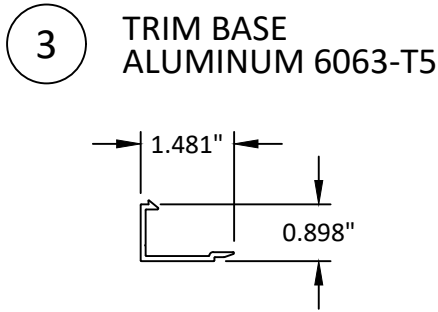
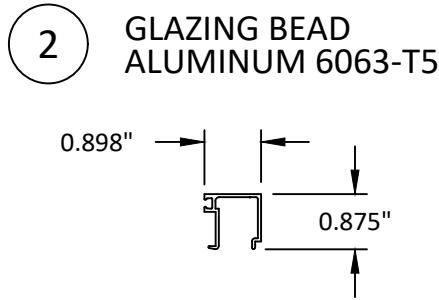
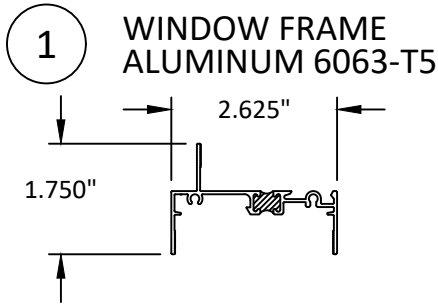
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BILL OF MATERIALS				
ITEM NO.	DESCRIPTION	PARTS NUMBERS	MATERIAL	MANUFACTURER
1	WINDOW FRAME	THM 1536	6063-T5	L BONNELL ALUM.
2	GLAZING BEAD	THM 1508	6063-T5	L BONNELL ALUM.
3	TRIM BASE	WLB 2004	6063-T5	L BONNELL ALUM.
4	TRIM COVER	WLB 2005	6063-T5	L BONNELL ALUM.



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COMPONENTS
& BILL OF MATERIALS

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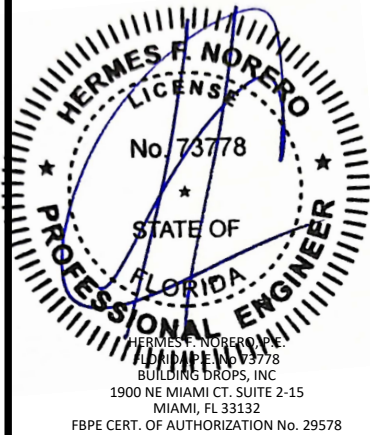
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HERMES F. NORERO, P.E.
FL DBPE No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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