CROFT, LLC

SERIES 4400/4440 PICTURE WINDOW

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.

2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.

3. 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.

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. **NAIL FIN INSTALLATION:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE

6. **NAIL FIN INSTALLATION:** FOR INSTALLATION INTO METAL STUD USE #8 GRADE 5 SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL.

7. **THROUGH FRAME INSTALLATION:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.

8. **THROUGH FRAME INSTALLATION:** FOR 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. INSTALLATION SHALL MAINTAIN MIN. 2 INCH EDGE DISTANCE.

9. **THROUGH FRAME INSTALLATION:** FOR INSTALLATION INTO METAL STUD USE #8 GRADE 5 SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL.

10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.

11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

12. 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.

13. 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.

14. 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 47.8 MIL (0.0478" or 18 GAUGE). MIN. 1/2" EDGE DISTANCE.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - AAMA/WDMA/CSA 101/I.S.2/A440-08

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. 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. 2X WOOD STUDS SHALL BE ATTACHED TO FULL LENGTH OF FRAME WHEN USED INSIDE METAL FRAMING AS STIFFENERS. WOOD STIFFENERS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. STIFFENER DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.

5. 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.

6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.

7. WINDOW FRAME MATERIAL: ALUMINUM 6063 T-5

8. GLASS SHALL MEET ASTM E 1300-04 GLASS CHART REQUIREMENTS. SEE SHEET 3 FOR GLAZING DETAIL.

9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL

TABLE OF CONTENTS

WINDOW DESIGN PRESSURE TABLE

SIZE	MAX. DP	IMPACT RATING
72 X 72	+50/-50 PSF	NON-IMPACT
96 X 60	+50/-50 PSF	NON-IMPACT

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2016.04.10 17:19:35 -04'00'

FL11345

Est. 1920 CROFT

P.O. BOX 826
MCCOMB, MS 39649
PH: 601-684-6121 FX: 601-783-3188

TITLE: SERIES 4400/4440 PICTURE WINDOWS
GENERAL & INSTALLATION NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

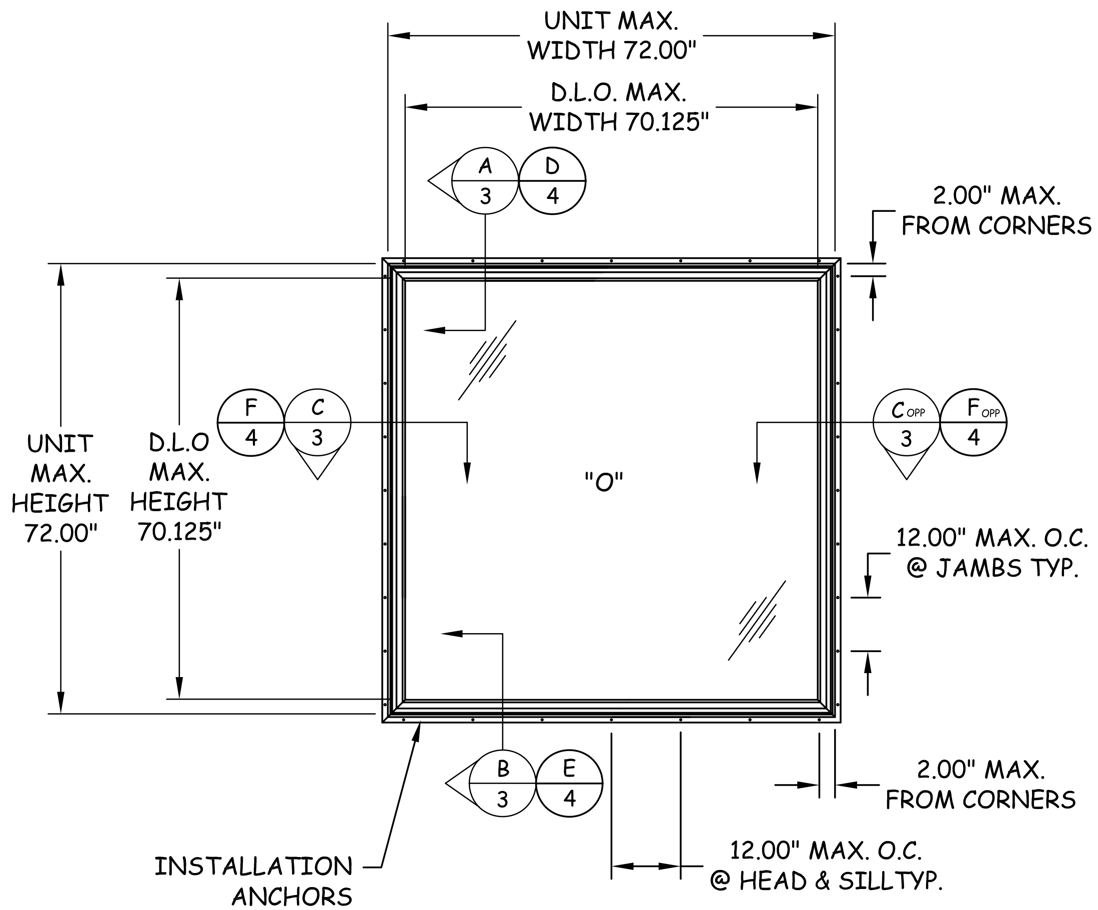
NO.	DESCRIPTION	BY	DATE
A	UPDATED TO 2010 FBC	MTJ	05.10.13
B	UPDATED TO 2014 FBC	LMS	03.08.16

HERMES F. NORERO — LICENSE No. 73778 — STATE OF FLORIDA — PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. LICENSE NO. 73778
398 DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE: 04.28.09
DWN BY: JLR
CHK BY: HFN
SCALE: NTS

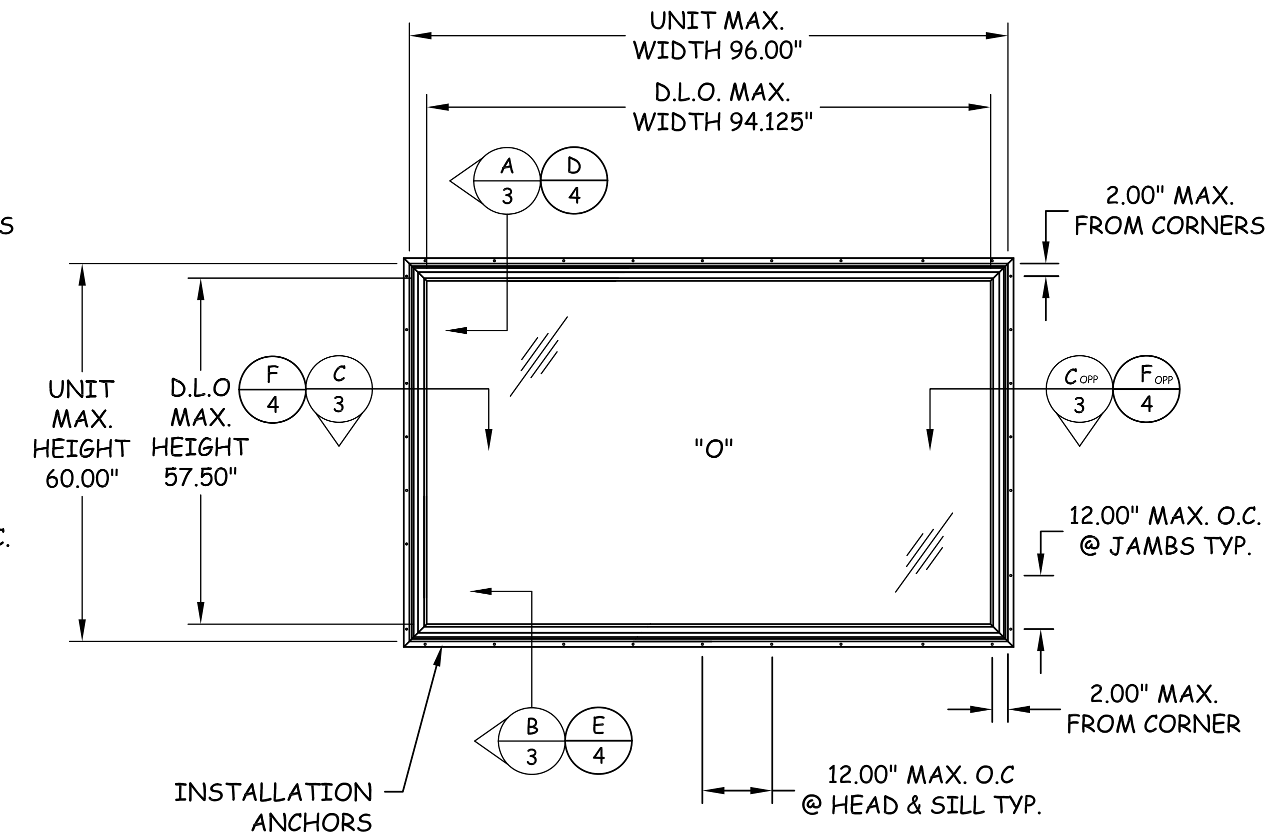
DWG #: CRF010

SHEET: 1 OF 4



ELEVATION

PICTURE WINDOW 72"X72"



ELEVATION

PICTURE WINDOW 96"X60"

Est. 1920 CROFT

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ELEVATIONS

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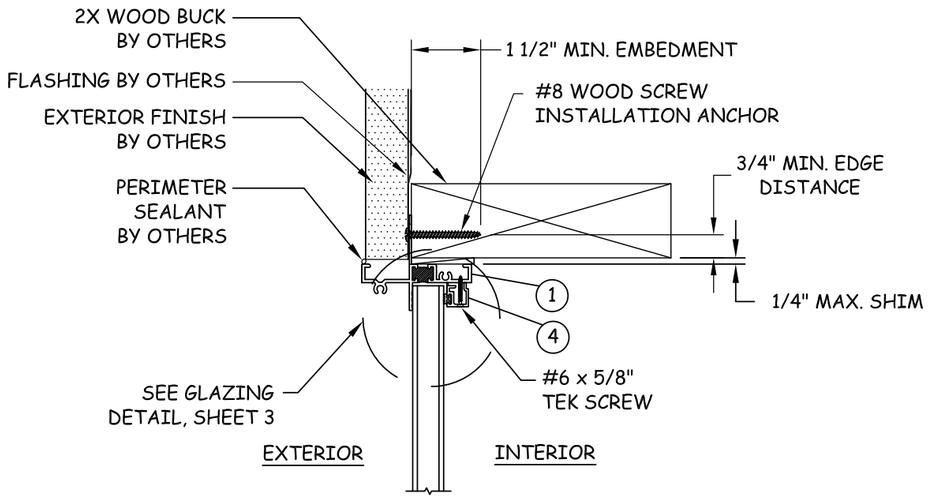
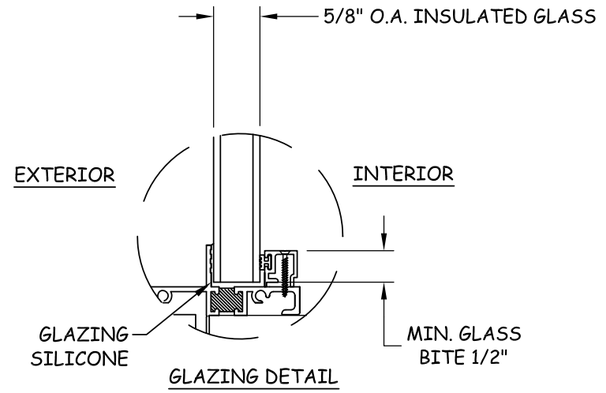


A/3 VERTICAL SECTION

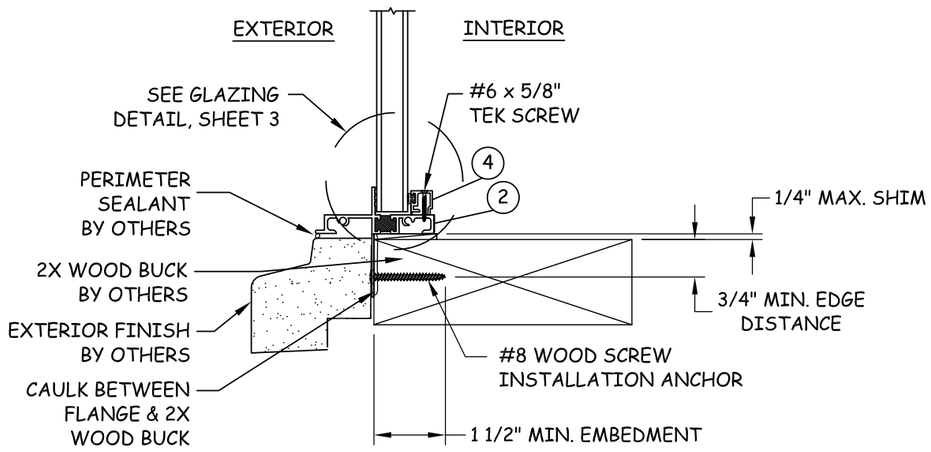
FIN INSTALLATION
2X WOOD BUCK



GLAZING DETAIL

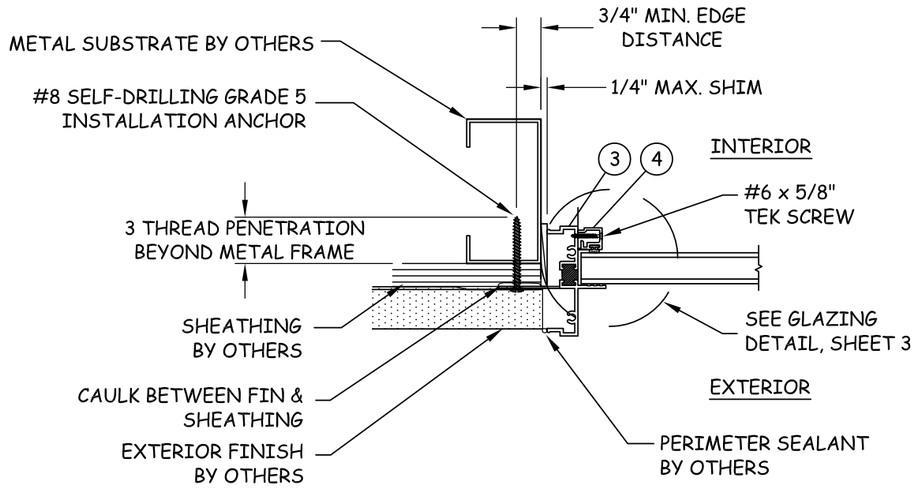
NOTE:
ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC.

GLAZING THICKNESS TYPE SHALL COMPLY WITH ASTM E1300



B/3 VERTICAL SECTION

FIN INSTALLATION
2X WOOD BUCK



C/3 HORIZONTAL SECTION

FIN INSTALLATION
STEEL STUD

CROFT
Est. 1920
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TITLE: SERIES 4400/4440 PICTURE WINDOWS
NAIL FIN SECTIONS & GLAZING DETAILS

PREPARED BY:
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398 E. DANIA BEACH BLVD., #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

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HERMES F. NORERO
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PROFESSIONAL ENGINEER
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STATE OF FLORIDA
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
CERT. OF AUTHORIZATION NO. 28578
FBPE CERT. OF AUTHORIZATION NO. 28578

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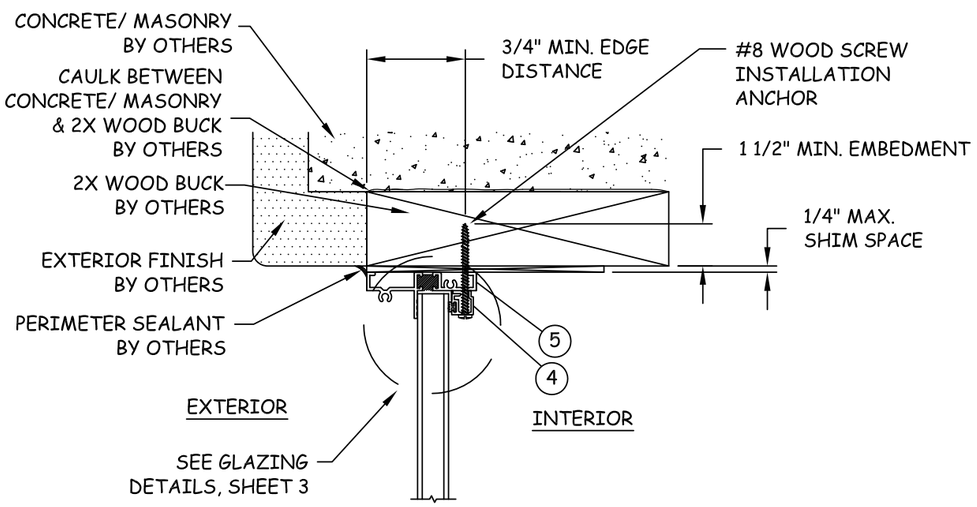
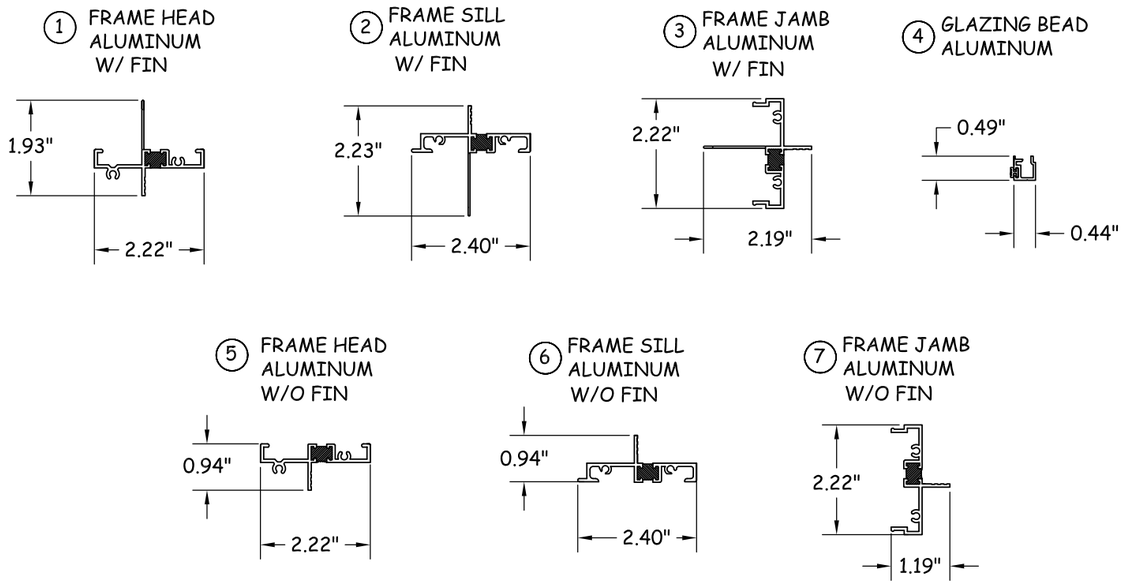
DWN BY: JLR
CHK BY: HFN
SCALE: NTS

DWG #: CRF010

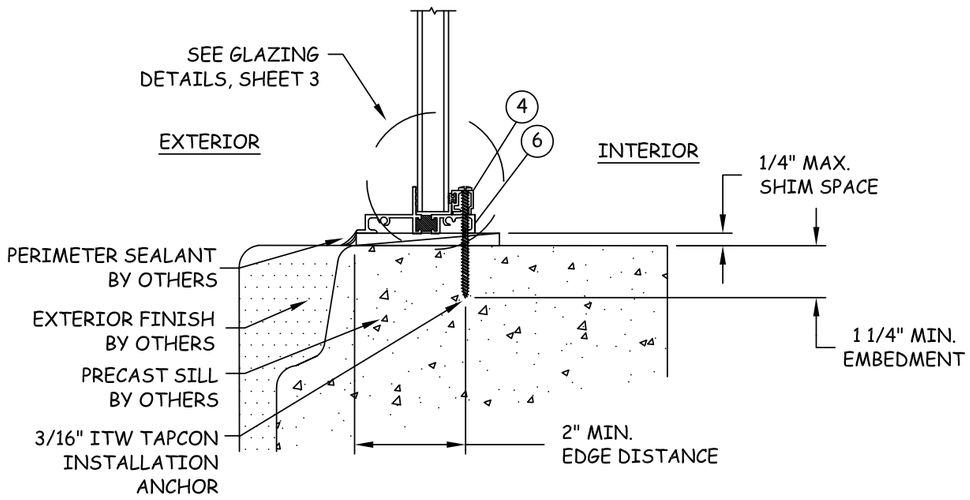
SHEET: 3 OF 4



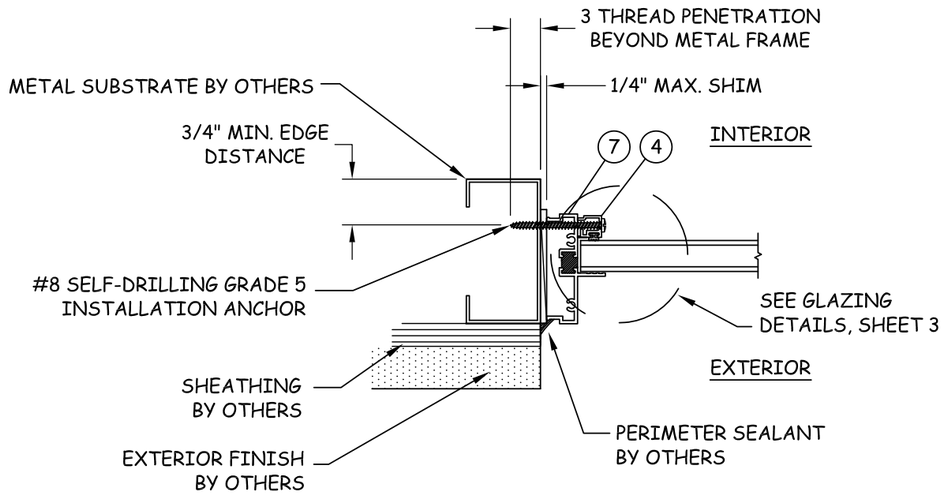
D/4 VERTICAL SECTION
THROUGH FRAME INSTALLATION
2X WOOD BUCK



NOTE:
COMPONENTS MAY BE USED IN
THERMALLY-BROKEN OR
UNTHERMALLY-BROKEN APPLICATIONS.



E/4 VERTICAL SECTION
THROUGH FRAME INSTALLATION
CONCRETE/MASONRY



F/4 HORIZONTAL SECTION
THROUGH FRAME INSTALLATION
STEEL STUD

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TITLE: SERIES 4400/4440 PICTURE WINDOWS
THROUGH FRAME SECTIONS & COMPONENTS

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SHEET: 4 OF 4