INTERSTATE BUILDING MATERIALS, INC.

SERIES 440 VINYL DIRECT SET PICTURE WINDOW

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED TO COMPLY WITH THE 8TH EDITION (2023) FLORIDA BUILDING CODE (FBC) EXCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ) AND IS BASED ON TESTING CONDUCTED TO AAMA/WDMA/CSA 101/I.S.2/A440-11 DOCUMENTED IN TEST REPORT NO. E1050.01-501-47 BY INTERTEK/ARCHITECTURAL TESTING.

2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY, STEEL STUD 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 BUCK OVER MASONRY AND/OR CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.

4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF THE INSTALLATION METHODS DEVIATE FROM THESE APPROVED DETAILS THIS WOULD REQUIRE FURTHER INVESTIGATION BY A LICENSED OR REGISTERED DESIGN PROFESSIONAL.

5. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS SHALL BE REQUIRED:

6. MATERIALS:
   6.1. FRAME: RIGID VINYL

7. GLAZING:
   7.1. DESCRIPTION
      7.1.1. 7/8" INSULATING GLASS UNIT COMPRISED OF 1/8" ANNEALED x 5/8" AIR SPACE x 1/8" ANNEALED; RECTANGULAR BUTYL, SINGLE SEALED
   7.2. GLAZING METHOD
      7.2.1. SET FROM THE EXTERIOR AGAINST DOUBLE SIDED ADHESIVE TAPE AND SECURED WITH RIGID VINYL GLAZING BEADS.
   7.3. SEE SHEET 6 FOR ADDITIONAL GLAZING DETAILS.
   7.4. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-16.

8. PANEL OPERABILITY DESIGNATIONS:
   8.1. O = FIXED

9. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DETAILED IN ACCORDANCE WITH THE FBC, RESIDENTIAL AND BUILDING VOLUMES AND WITH FMA/AAMA/WDMA PROTOCOLS. PERIMETER AND JOINT SEALANT IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND IS NOT PART OF THIS PRODUCT APPROVAL DOCUMENT.

10. REINFORCEMENT NOT REQUIRED.

INSTALLATION NOTES:

1. INSTALL ONE (1) ANCHOR AS INDICATED IN THE SECTION DETAILS ON SHEETS 4 AND 5 AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEET 2 AND 3.
   1.1. LOCATION TOLERANCE IS +/- 1 INCH.
   1.2. FOR WINDOWS SMALLER THAN THAT SHOWN IN SHEETS 2 AND 3 ELEVATION, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING THE ANCHOR SPACING AND EDGE DISTANCE SHOWN.

2. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH A LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".

3. SEE INSTALLATION ANCHOR SCHEDULE ON THIS SHEET FOR ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE REQUIREMENTS.
   3.1. INSTALLATION ANCHORS SHALL BE CORROSION RESISTANT OR HAVE CORROSION RESISTANT COATING.
   3.2. SEE INSTALLATION NOTE 4 FOR MINIMUM SUBSTRATE PROPERTIES.

4. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
   4.1. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ).
   4.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
   4.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).
   4.4. STEEL STUD - STRENGTH CONFORMING TO MIN. Fu = 33 KSI AND Ft = 45 KSI. MINIMUM THICKNESS 20 GA.

5. SEE SHEET 6 FOR APPROVED INSTALLATION METHODS

TABLE OF CONTENTS	
SHEET	DESCRIPTION
1	INSTALLATION AND GENERAL NOTES
2	EXTERIOR ELEVATION AND ANCHORAGE THROUGH-FRAME AND CLIP INSTALLATION
3	EXTERIOR ELEVATION AND ANCHORAGE NAILING FIN INSTALLATION
4	INSTALLATION DETAILS - VERTICAL SECTIONS
5	INSTALLATION DETAILS - HORIZONTAL SECTIONS
6	INSTALLATION DETAILS - GLAZING DETAILS
7	COMPONENT SECTION VIEWS
8	BILL OF MATERIALS

PERFORMANCE RATING				
MAXIMUM WINDOW SIZE (IN)	DESIGN PRESSURE RATING (PSF)	REINFORCEMENT	GLAZING DETAIL	IMPACT RATING
72 X 75	+/-50	SEE GENERAL NOTE 10	SEE GENERAL NOTE 7.1	NONE

INSTALLATION ANCHORAGE SCHEDULE			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED. (IN)	MIN. EDGE DIST. (IN)
WOOD (SG = 0.42 MIN.)	NO. 10 PAN HEAD WOOD SCREW, GR. 2 STRENGTH	1 3/8	3/4
CONCRETE (2.5 KSI MIN.)	3/16" HH ITW TAPCON	1 1/2	1 1/8
MASONRY (ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF)	3/16" HH ITW TAPCON	1	2
STEEL STUD, 20 GA OR GREATER THICKNESS, MIN. Fu = 33 ksi AND Ft = 45 ksi	NO. 10 PAN HEAD SELF-DRILLING SHEET METAL SCREW	FULL THICKNESS OF MEMBER PLUS 3 FULL THREAD LENGTHS PAST INTERIOR	1/2

INTERSTATE BUILDING MATERIALS
3000 N. TOWNSHIP BLVD.
PITTSTON, PA 18640

NO.	REVISION DESCRIPTION	BY	DATE

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DATE: 9/5/26 | DWN BY: RJA | CHK BY: n/a | SCALE: NONE

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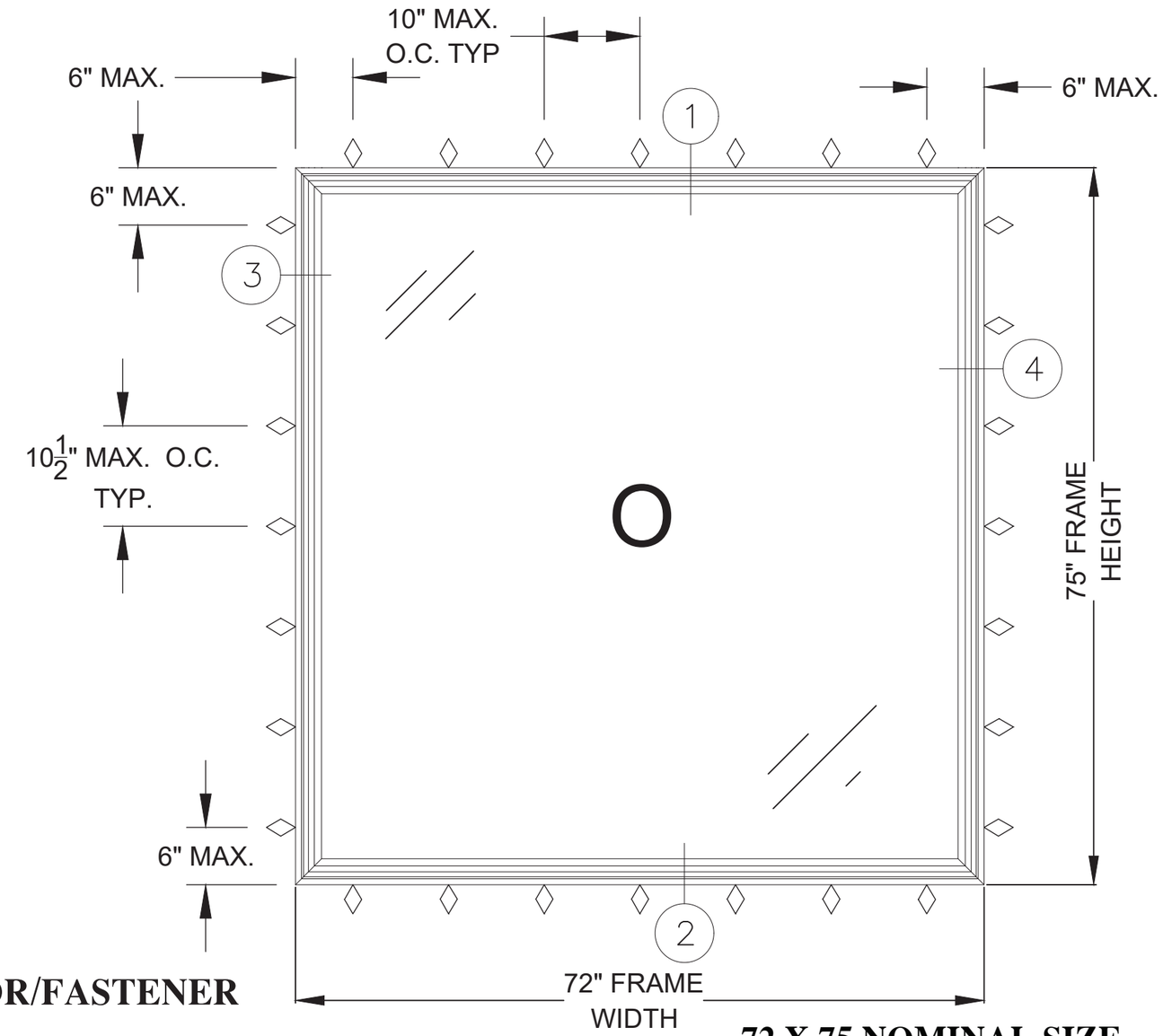
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DWG/REV: IBM0001, Rev 0

SERIES 440 PICTURE WINDOW

EXTERIOR VIEW



◊ ANCHOR/FASTENER

72 X 75 NOMINAL SIZE

MAXIMUM SIZES	
FRAME (NOMINAL)	72" x 75"
DLO	67-3/8" X 70-3/8"

ANCHOR LOCATION TOLERANCE IS +/- 1 INCH

BLOCK/EQUAL LEG THROUGH FRAME INSTALLATION AND CLIP INSTALLATION

EXTERIOR VIEW

INTERSTATE BUILDING MATERIALS
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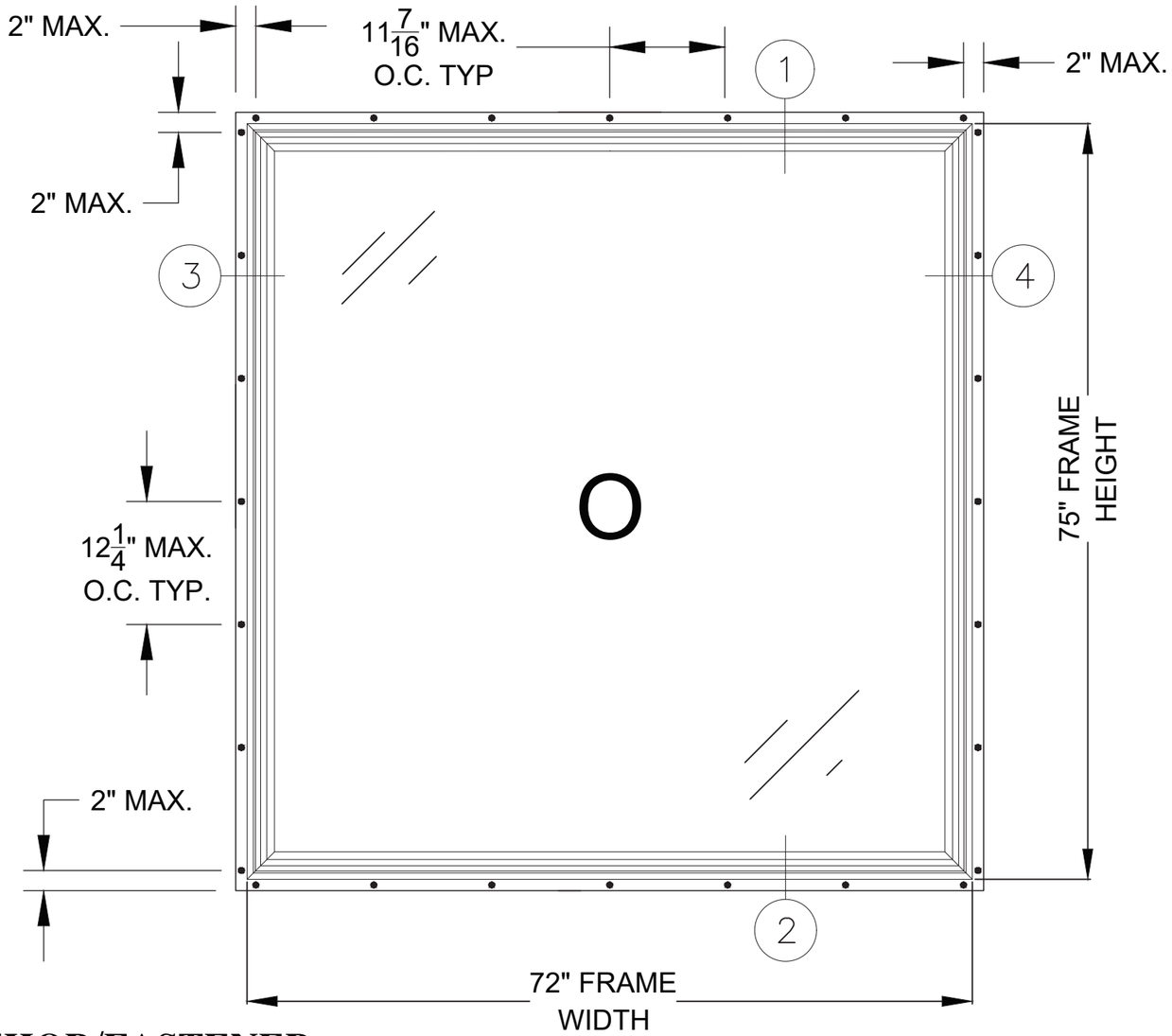
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SERIES 440 PICTURE WINDOW

EXTERIOR VIEW



● ANCHOR/FASTENER

MAXIMUM SIZES	
FRAME (NOMINAL)	72" x 75"
DLO	67-3/8" X 70-3/8"

ANCHOR LOCATION TOLERANCE IS +/- 1 INCH

72 X 75 NOMINAL SIZE

NAILING FIN INSTALLATION

EXTERIOR VIEW

INTERSTATE BUILDING MATERIALS
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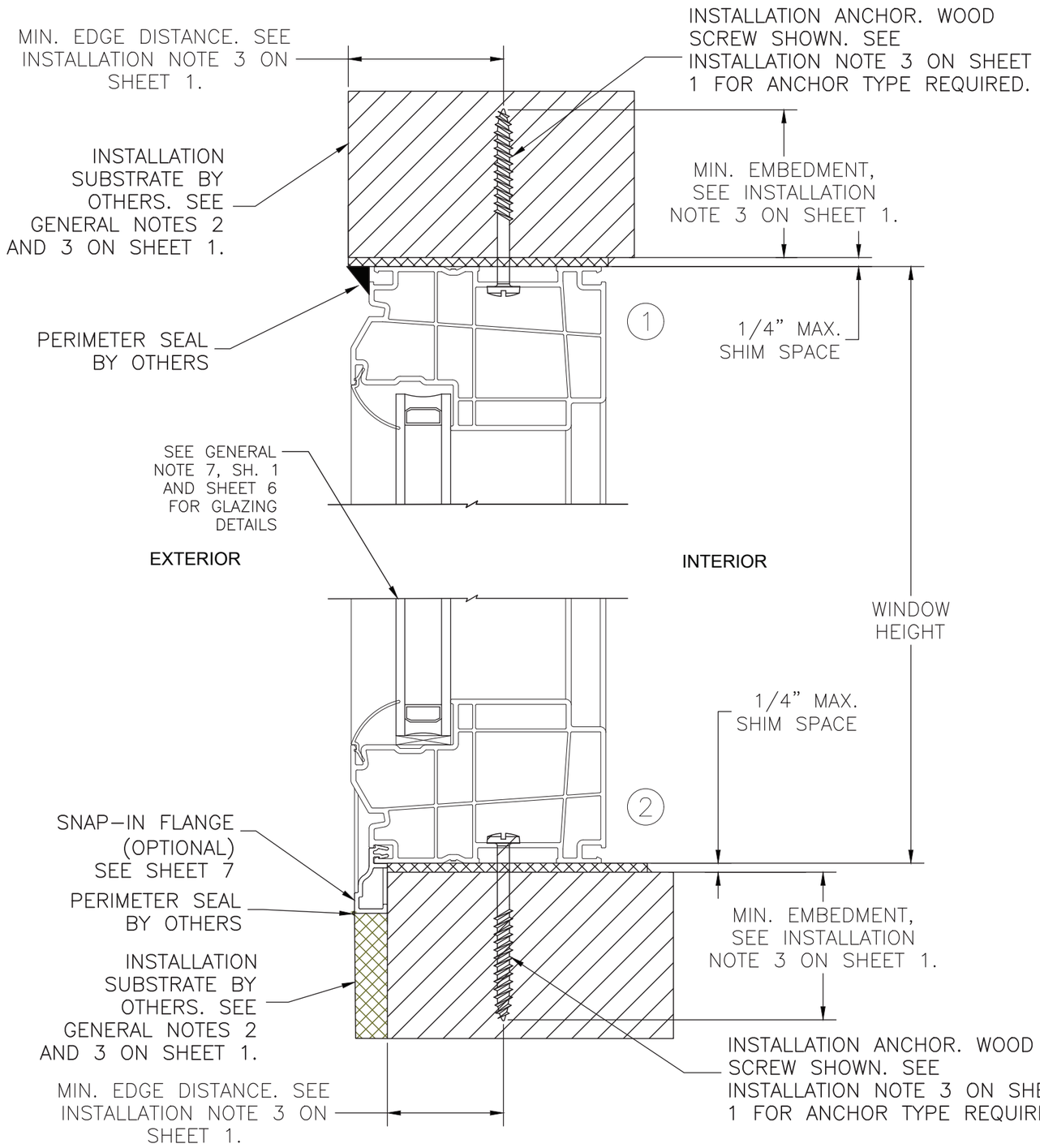
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(1) **VERTICAL CROSS SECTION 1**
THROUGH FRAME INSTALLATION
W/O SNAP-IN FLANGE
WOOD FRAMING, 2X WOOD BUCK,
CONCRETE/MASONRY, STEEL STUD APPROVED
(CROSS SECTIONS 2, 3 AND 4 INSTALLATION SAME)

(2) **VERTICAL CROSS SECTION 2**
THROUGH FRAME INSTALLATION
W/SNAP-IN FLANGE
WOOD FRAMING, 2X WOOD BUCK,
CONCRETE/MASONRY, STEEL STUD APPROVED
(CROSS SECTIONS 1, 3 AND 4 INSTALLATION SAME)

INTERSTATE BUILDING MATERIALS
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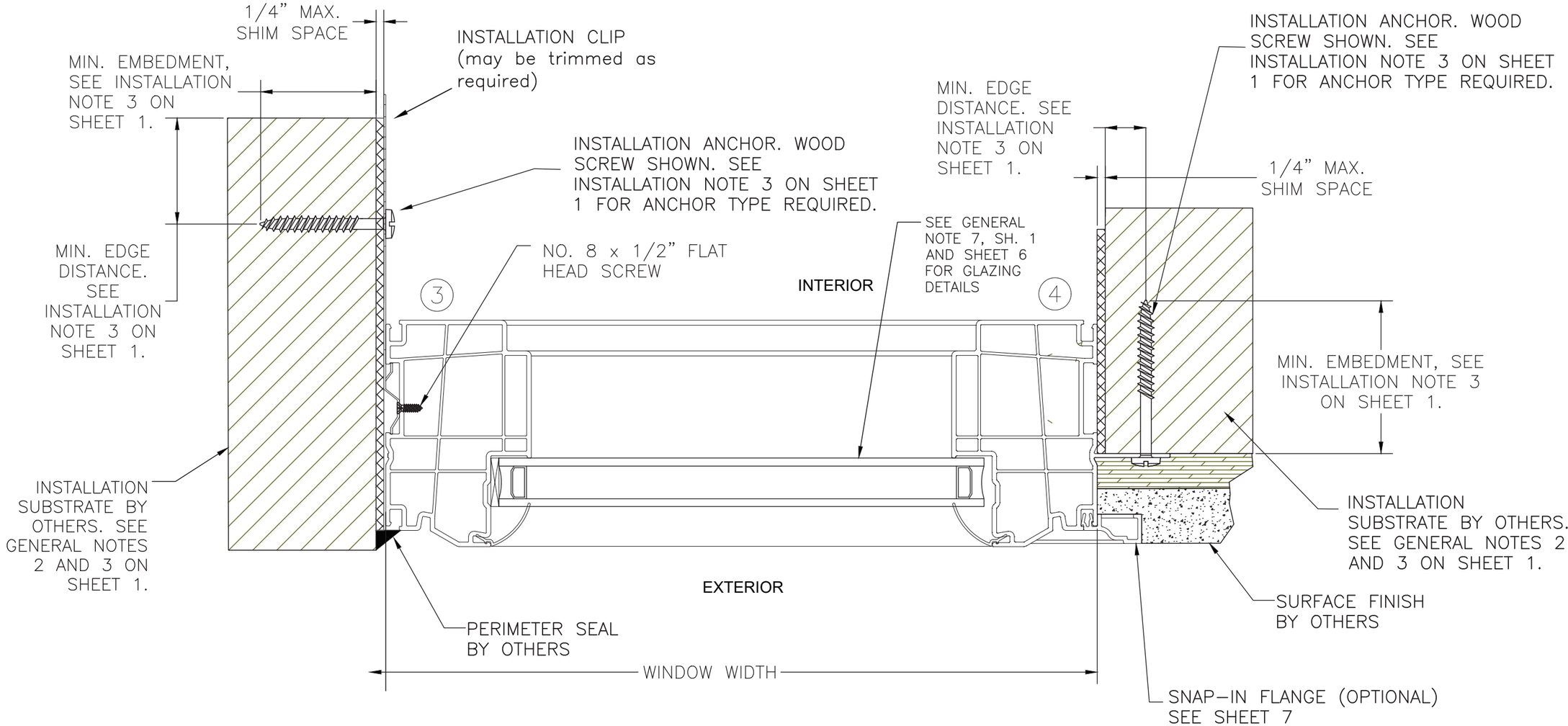
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(3) **HORIZONTAL CROSS SECTION 3**
CLIP INSTALLATION
W/O SNAP-IN FLANGE SHOWN,
W/SNAP-IN FLANGE APPROVED

WOOD FRAMING, 2X WOOD BUCK, CONCRETE/MASONRY, STEEL STUD APPROVED
(CROSS SECTIONS 1, 2 AND 4 INSTALLATION SAME)

(4) **HORIZONTAL CROSS SECTION 4**
NAILING FIN INSTALLATION
W/ SNAP-IN FLANGE SHOWN, W/O
SNAP-IN FLANGE APPROVED

WOOD FRAMING, 2X WOOD BUCK, STEEL STUD APPROVED
(CROSS SECTIONS 1, 2 AND 3 INSTALLATION SAME)

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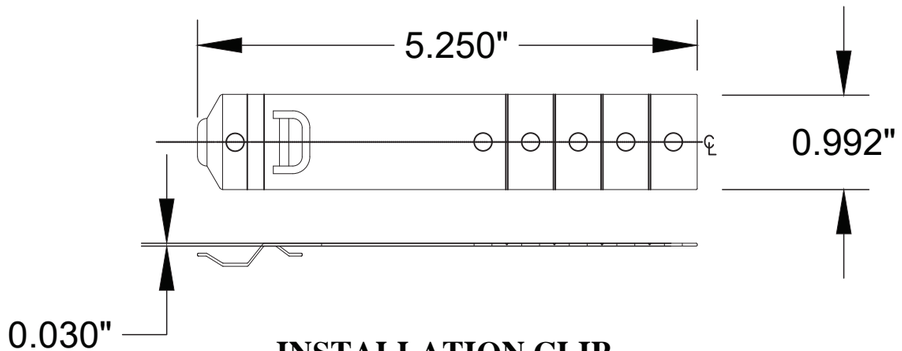
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INSTALLATION METHODS

1. INSTALLATION APPROVED FOR THE FOLLOWING FRAME TYPES.
   - 1.1. BLOCK/EQUAL LEG FRAME USING THROUGH FRAME INSTALLATION SCREWS WITH OR WITHOUT SNAP-IN FLANGE.
     - 1.1.1. SEE SHEET 4, SECTION 1 FOR INSTALLATION WITHOUT SNAP-IN FLANGE.
     - 1.1.2. SEE SHEET 4, SECTION 2 FOR INSTALLATION WITH SNAP-IN FLANGE.
   - 1.2. INSTALLATION CLIP
     - 1.2.1. SEE BELOW FOR CLIP DETAIL
     - 1.2.2. SEE SHEET 5, SECTION 3 FOR INSTALLATION USING CLIP.
   - 1.3. NAILING FIN
     - 1.3.1. SEE SHEET 5, SECTION 4 FOR INSTALLATION USING NAILING FIN.
2. THE FOUR INSTALLATION OPTIONS LISTED ABOVE CAN BE USED IN THE HEAD, SILL OR JAMBS INTERCHANGEABLY. THEREFORE:
   - 2.1. INSTALLATION SECTION 1 IS ALSO APPLICABLE TO SECTIONS 2, 3 AND 4.
   - 2.2. INSTALLATION SECTION 2 IS ALSO APPLICABLE TO SECTIONS 1, 3 AND 4.
   - 2.3. INSTALLATION SECTION 3 IS ALSO APPLICABLE TO SECTIONS 1, 2 AND 4.
   - 2.4. INSTALLATION SECTION 4 IS ALSO APPLICABLE TO SECTIONS 1, 2 AND 3.
3. SEE ANCHOR SCHEDULE ON SHEET 1
4. SNAP-IN FLANGE SHOWN ON SHEET 7 COMPONENT SECTION VIEWS
   - 4.1. SNAP-IN FLANGE IS A NON-STRUCTURAL FINISHING COMPONENT.
   - 4.2. ITS USAGE IS TO PROVIDE EXTERIOR FINISHING INTERFACE.
   - 4.3. FOR BLOCK/EQUAL LEG INSTALLATIONS THE SNAP-IN FLANGE IS TYPICALLY CALLED A STUCCO OR FLUSH FLANGE.
   - 4.4. FOR NAILING FIN INSTALLATIONS, THE SNAP-IN FLANGE IS TYPICALLY CALLED A BRICK MOLD OR SIDING RETURN TRIM.

GLAZING REQUIREMENTS

1. GLAZING
   - 1.1. DESCRIPTION
     - 1.1.1. 7/8" INSULATING GLASS UNIT COMPRISED OF 1/8" ANNEALED x 5/8" AIR SPACE x 1/8" ANNEALED; RECTANGULAR BUTYL SPACER, SINGLE SEALED WITH 1/2" GLAZING BITE.
   - 1.2. GLAZING METHOD
     - 1.2.1. SET FROM THE EXTERIOR AGAINST DOUBLE SIDED ADHESIVE TAPE AND SECURED WITH VINYL GLAZING BEADS.
2. PRODUCTS SMALLER THAN TESTED SPECIMEN
   - 2.1. FOR PRODUCTS SMALLER THAN THE TESTED SPECIMEN, GLAZING IS PERMITTED TO BE THINNER AND/OR WEAKER THAN THAT SHOWN IN GENERAL NOTE 7.1 IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-11, SECTION 10.2.3.4.1.
3. SINGLE GLAZED UNITS:
   - 3.1. IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-11, SECTION 10.2.3.5.2, PRODUCTS TESTED WITH INSULATING GLAZING SHALL NOT QUALIFY THAT PRODUCT WHEN GLAZED WITH SINGLE GLAZING.



INSTALLATION CLIP

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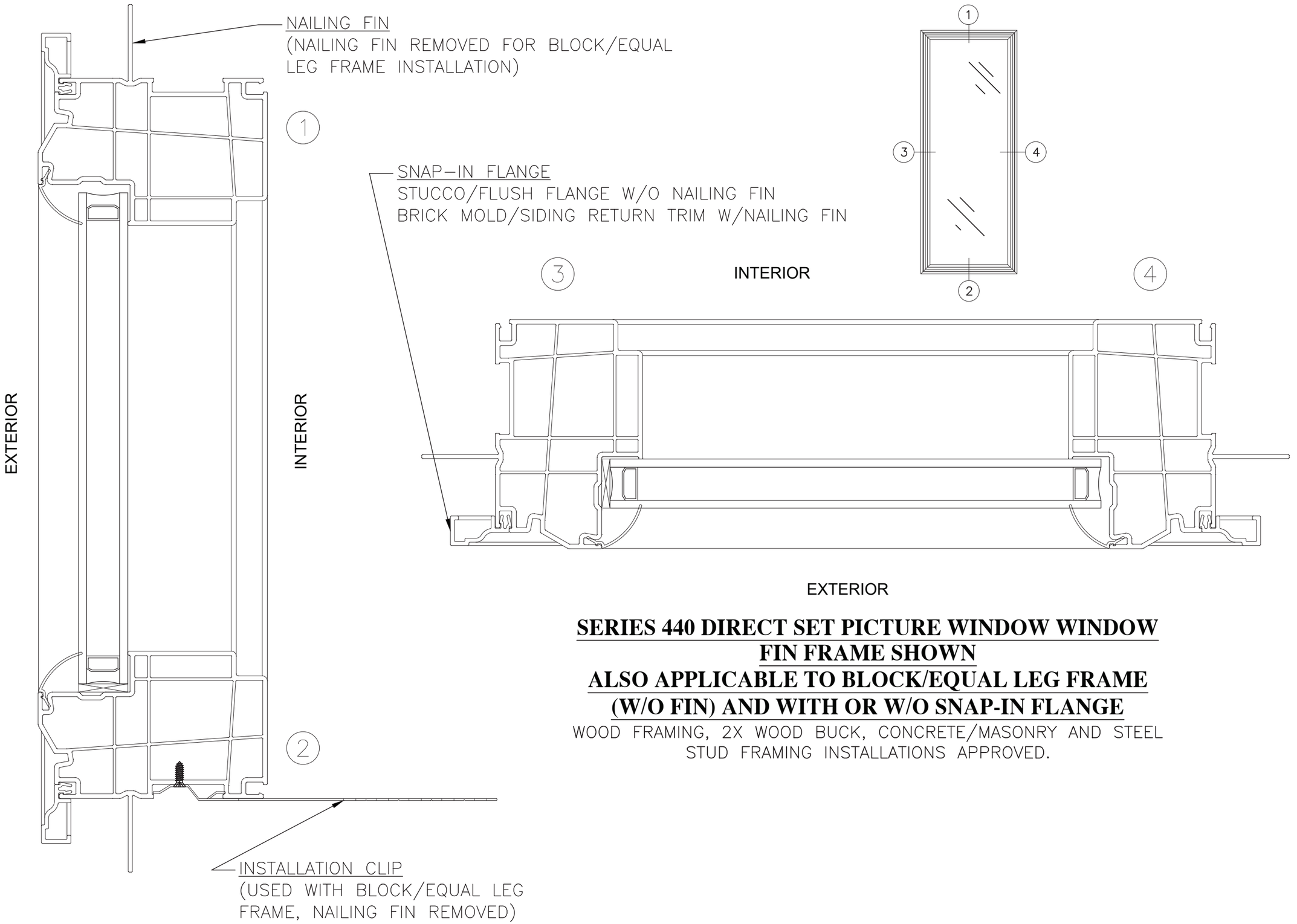
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SERIES 440 DIRECT SET PICTURE WINDOW WINDOW FIN FRAME SHOWN ALSO APPLICABLE TO BLOCK/EQUAL LEG FRAME (W/O FIN) AND WITH OR W/O SNAP-IN FLANGE

WOOD FRAMING, 2X WOOD BUCK, CONCRETE/MASONRY AND STEEL STUD FRAMING INSTALLATIONS APPROVED.

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ITEM NO.	DESCRIPTION	QUANTITY	PART NO.
1	HEAD	1	10004406/56 (FIN/FINLESS)
2	SILL	1	10004406/56 (FIN/FINLESS)
3	JAMB	2	10004406/56 (FIN/FINLESS)
4	GLAZING BEAD HORIZONTAL (3/4"IG)	2	10004436
5	GLAZING BEAD VERTICAL (3/4"IG)	2	10004436
6	GLAZING BEAD HORIZONTAL (1-1/4"IG)	2	10004435
7	GLAZING BEAD VERTICAL (1-1/4"IG)	2	10004435
8	GLAZING BEAD HORIZONTAL (7/8"IG)	2	10005456
9	GLAZING BEAD VERTICAL (7/8"IG)	2	10005456
10	WEEP HOLE COVER	2	1221
11	INSTALLATION SCREWS (NOTE 1)	4	#8 X 2" PPH SCREW
12	INSTALLATION HOLE PLUGS (NOTE 1)	4	9946
13	JAMB JACKS (NOTE 1)	2	8385PSI625

NOTE 1. REQUIRED FOR R&R INSTALLATIONS ONLY.

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ANCHORAGE DETAILS

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