CW 3700

Casement Window

Installation Instructions

TUBELITE®
STOREFRONT, CURTAINWALL & ENTRANCES
DEPENDABLE

TABLE OF CONTENTS

GENERAL CONSTRUCTION NOTES

1. CW 3700 windows are intended for project-out, casement applications only.

2. Maximum size is 36” wide x 60” high.

3. Units are shipped assembled and unglazed.

4. These drawings and notes cover typical conditions for the application of this product. Due to individual job requirements it is necessary to refer to final shop drawings for supplemental information, not covered by these instructions.

5. Materials stored at the job site must be stored in a safe place, removed from possible damage by other trades. Store off of the ground, with adequate separation to prevent rubbing of materials. Cardboard or paper wrapped materials must be kept dry. Check materials upon receipt for quantity, and record where various materials are stored.

6. All field welding must be adequately shielded to prevent any weld splatter on either aluminum or glass. Failure to do so could produce unsightly and/or structurally unsound results.

7. Coordinate protection of installed work with general contractor and other trades.

8. Coordinate construction sequence of other trades, which affect window installation, with general contractor.

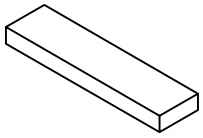
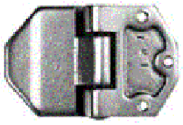
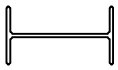
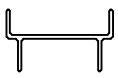
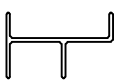
9. General contractor shall furnish and guarantee opening dimensions. These dimensions should be checked for accuracy before proceeding with installation. Make certain that all adjacent construction is in accordance with the contract documents and approved shop drawings. In case of discrepancy, notify the general contractor in writing before proceeding with installation.

10. All aluminum should be isolated from direct contact with masonry or other incompatible materials, using a heavy coat of bituminous paint.

11. Sealant selection is the responsibility of the installer and/or glazier and must be approved by the sealant manufacturer with regard to application and compatibility. All sealants must be used in strict accordance with the manufacturer’s instructions, applied by trained personnel to surfaces that have been properly prepared.

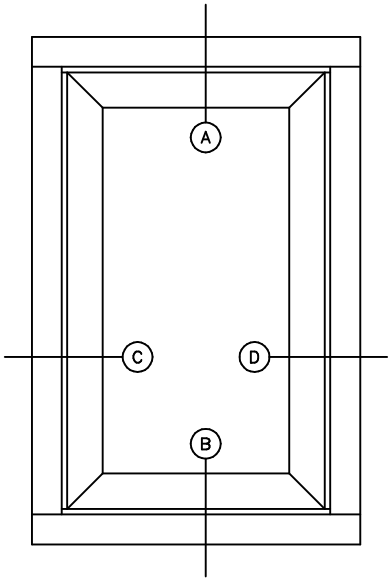
12. All materials must be installed plumb, level and true with regard to bench marks and column centerlines, as established by the general contractor and verified by the installer.

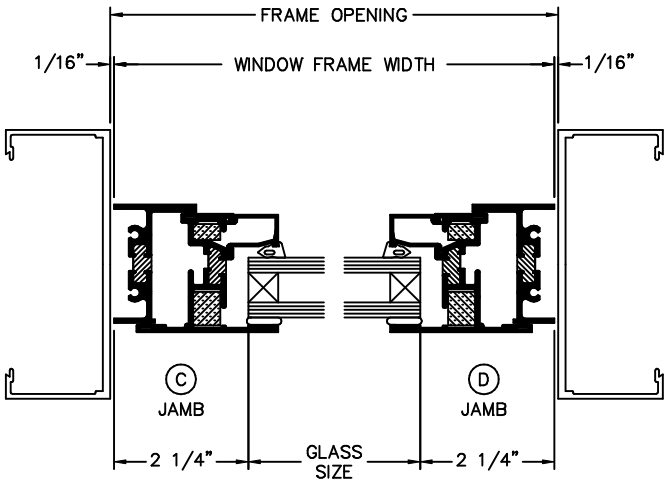
MATERIALS LIST & PARTS IDENTIFICATION

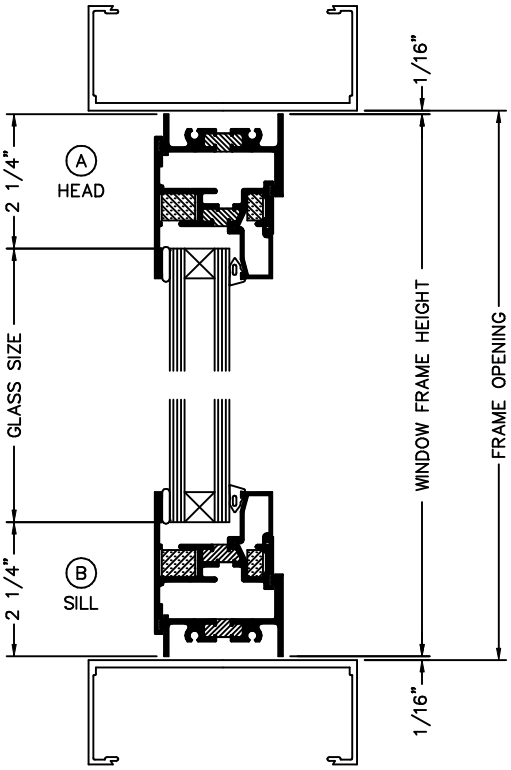
P3702		BULB WEATHERING	N.B.T.		TREMCO POLYSHIM II WITH 1/8" SHIM OR EQUAL
P3703		GLAZING WEDGE	N.B.T.		3/8" x 1" x 4" SETTING BLOCK
P3714		CASEMENT HANDLE			
P3715		ROTO OPERATOR			
P3716		CASEMENT HINGE			
P3706		MULL ADAPTER			
P3707		FLUSH GLAZE ADAPTER			
P3708		CURTAINWALL ADAPTER			

TYPICAL DETAILS

GLASS SIZE = WINDOW FRAME DIM - 4 1/2"







TYPICAL INSTALLATION

WINDOW FRAME PREPARATION

1. DRILL CLEARANCE HOLES PER FIGURE 1.
2. MINIMUM ANCHOR SPACING:
   A. 6" FROM EACH CORNER
   B. 3" FROM LOCKING POINTS
   C. 12" O.C.

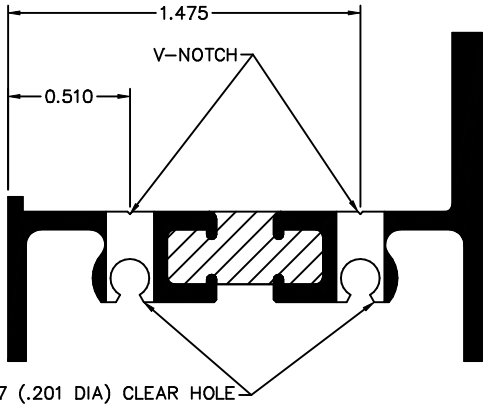


FIGURE 1

WINDOW INSTALLATION

1. MAKE SURE THAT OPENING IS SQUARE AND PLUMB.
2. POSITION WINDOW FRAME IN OPENING.
   A. FOR TUBELITE FLUSH GLAZE FRAMING, REFER TO TABLE 1 AND FIGURE 2 & 3, FOR LOCATION.
   B. FOR OTHER TYPES OF FRAMING, SEE TABLE 2 AND FIGURES 2 & 3 FOR LOCATION.
3. SHIM AS REQUIRED, KEEPING WINDOW FRAME SQUARE.

SYSTEM	INFILL	DIM 'A'
E4000	1/4"	7/32"
E4500	1/4"	15/32"
E14000	1"	27/32"
T14000	1"	27/32"

TABLE 1

INFILL	DIM 'A'
1/4"	DIM 'B' – 1 21/32"
1"	DIM 'B' – 29/32"

TABLE 2

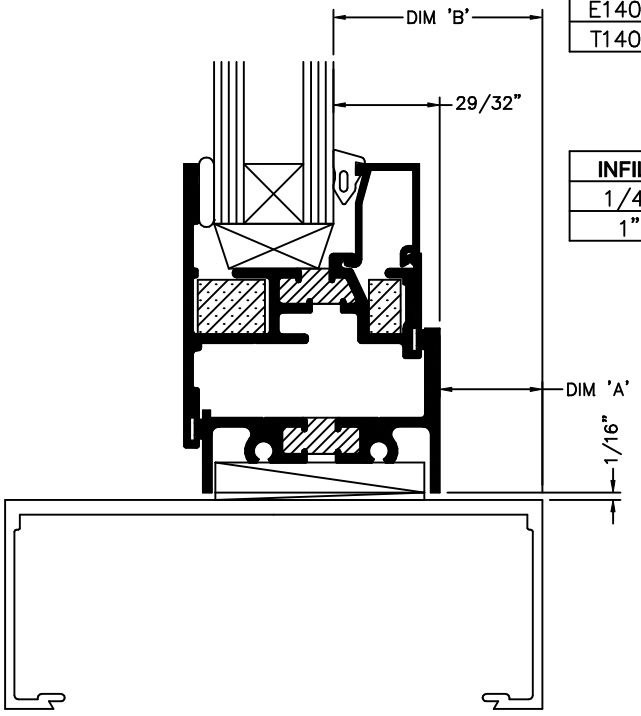


FIGURE 2

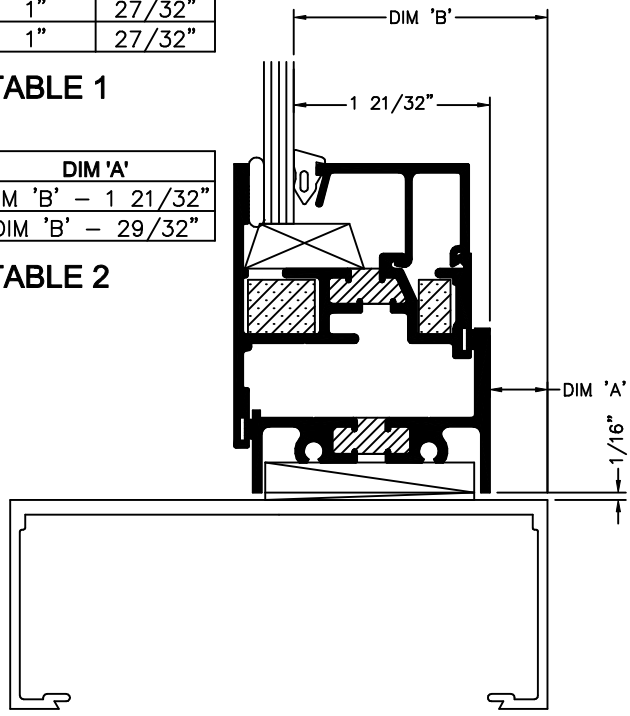


FIGURE 3

TYPICAL INSTALLATION

WINDOW INSTALLATION (CONT.)

4. MATCH DRILL ATTACHMENT HOLES IN ADJACENT FRAMING.
5. FASTEN WINDOW FRAME WITH #10 SELF TAPPING SCREWS.
6. FULLY SEAL ALL SCREW HEADS.
7. APPLY CONTINUOUS FILLET BEAD AT PERIMETER, USING SKINNING TYPE SEALANT.

GLAZING PROCEDURE

1. APPLY TREMCO BUTYL GLAZING TAPE CONTINUOUS TO SASH AS INDICATED IN FIGURES 5A AND 5B. BACK UP JOINTS WITH 6" LONG TOE BEAD OF BUTYL SEALANT.
2. INSTALL TWO (2) 3/8" x 1" SETTING BLOCKS AT BOTTOM HINGE SIDE CORNER. LOCATE AS INDICATED IN FIGURES 5 & 6.
3. SET GLASS ON SETTING BLOCKS, TIGHT AGAINST GLAZING TAPE.
4. AFTER SQUARING SASH, INSTALL TWO (2) SETTING BLOCKS AT UPPER LOCK SIDE CORNER, AS SHOWN IN FIGURE 6. ADJUST BLOCK THICKNESS AS REQUIRED TO KEEP SASH SQUARE.
5. INSTALL INTERIOR GLASS STOPS.
   A. USE E3702 FOR 1" GLASS (SEE FIGURE 5A).
   B. USE E3703 FOR 1/4" GLAZING (SEE FIGURE 5B).
6. INSTALL P3703 WEDGE GASKET.
   A. CUT GASKET SLIGHTLY LONGER THAN DLO. ADD APPROXIMATELY 1/16" TO 1/8" PER FOOT.
   B. START AT ENDS AND WORK TOWARDS CENTER OF GLASS LITE.
   C. SEAL BUTT JOINTS AT CORNERS WITH BUTYL SEALANT.

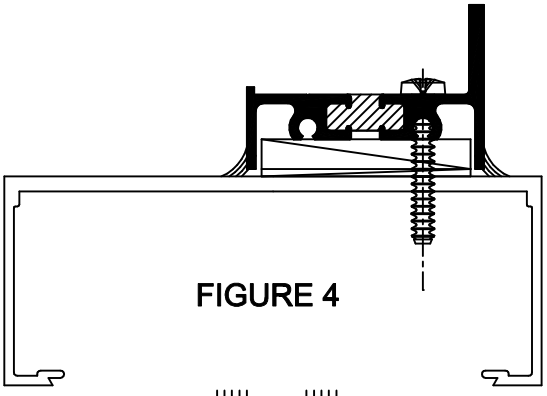


FIGURE 4

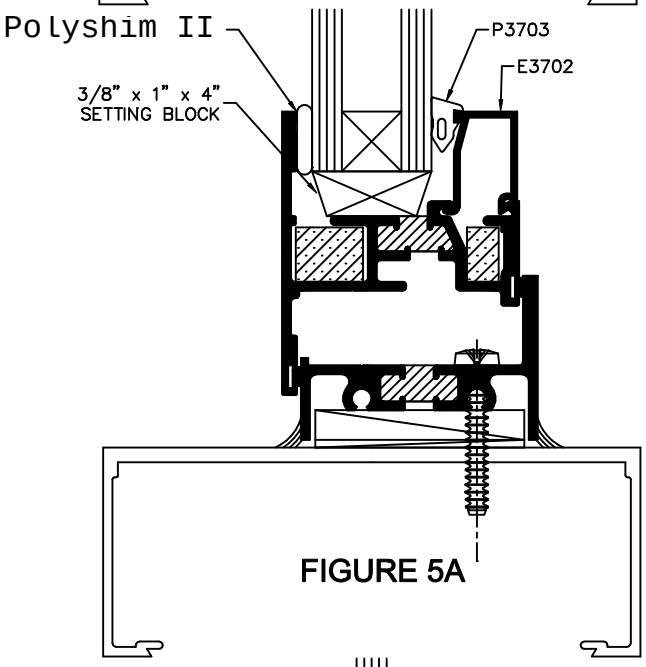


FIGURE 5A

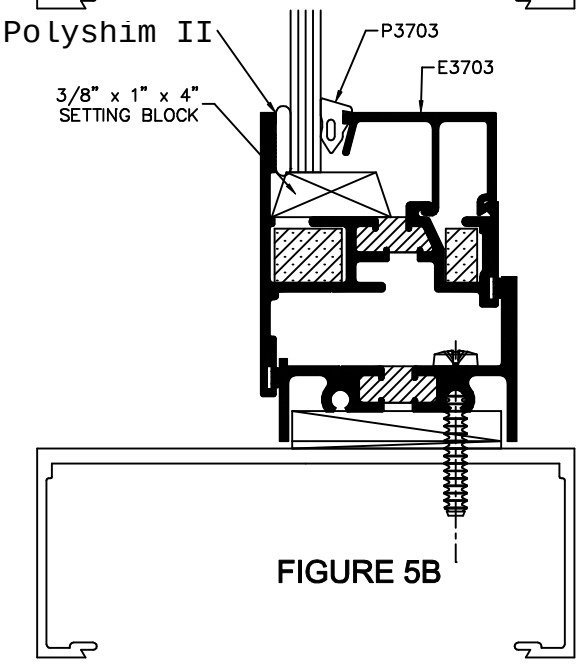


FIGURE 5B

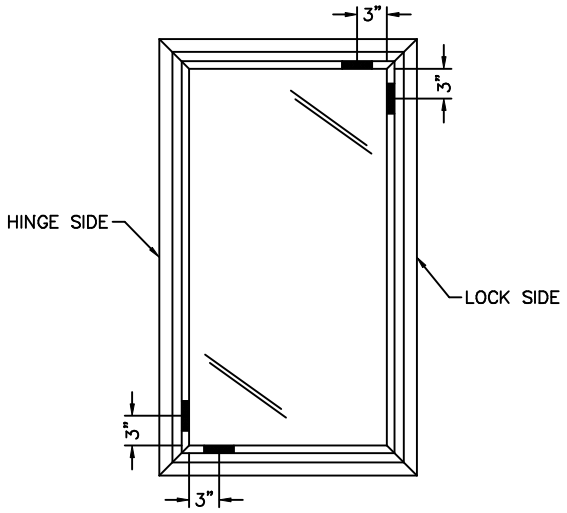


FIGURE 6

Polyshim II

Polyshim II

OPTIONAL T14000 INSTALLATION

WINDOW INSTALLATION

1. MAKE SURE THAT OPENING IS SQUARE AND PLUMB.
2. POSITION WINDOW FRAME IN OPENING.
   A. SLIDE P3707 @ HEAD INTO GLAZING POCKET OF T14000 FRAMING ABOVE. (SEE FIGURE 4).
   B. SWING BOTTOM OF WINDOW INTO PLACE AND SET ON SETTING BLOCK (SEE FIGURE 5).
3. SNAP GLASS STOP INTO PLACE.
4. APPLY CONTINUOUS FILLET BEAD AT PERIMETER, USING SKINNING TYPE SEALANT (SEE FIGURE 6).
5. SHIM AND FASTEN HINGE JAMB TO ADJACENT FRAMING TO PREVENT SHIFTING, WHEN SASH IS OPEN. USE #10 SELF TAPPING SCREW AT TOP AND BOTTOM OF HINGE JAMB.

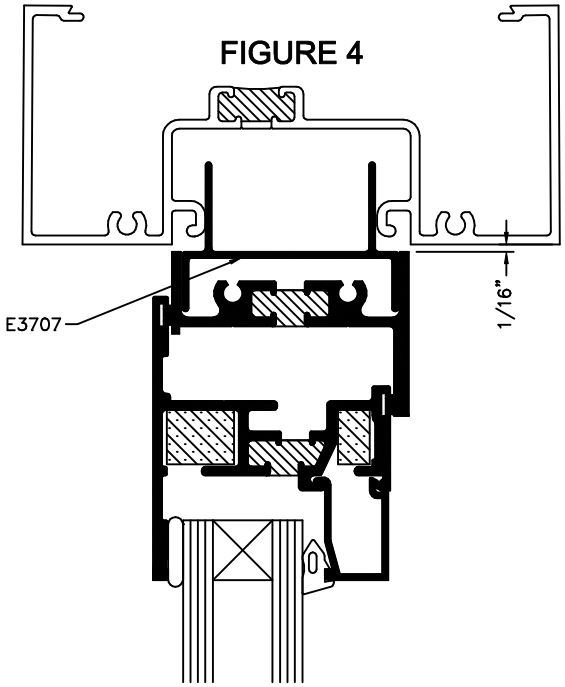


FIGURE 4

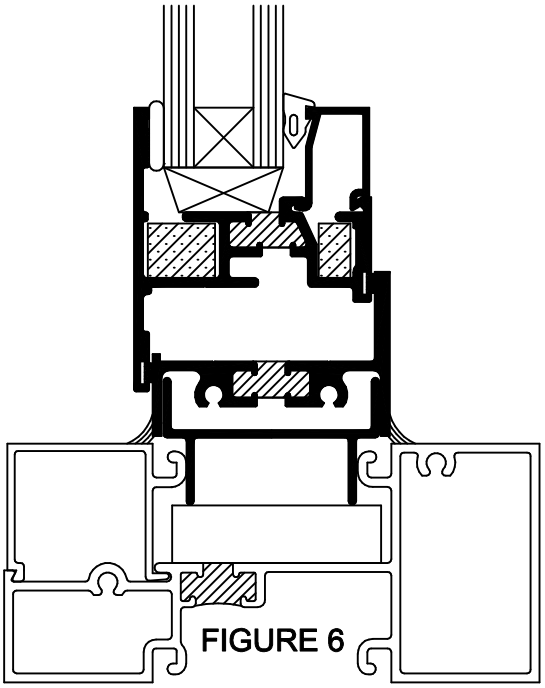


FIGURE 6

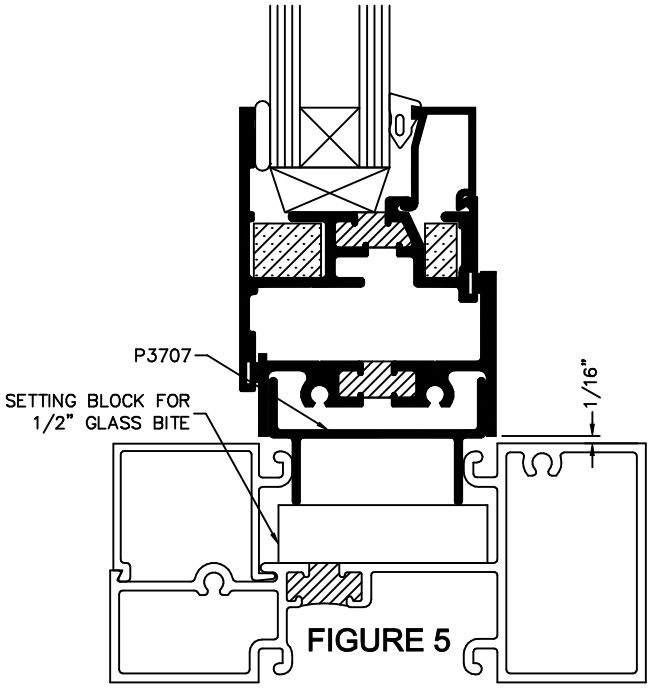


FIGURE 5

OPTIONAL CURTAINWALL INSTALLATION

WINDOW FRAME PREPARATION

1. APPLY ADAPTER P3708 TO HEAD, SILL AND JAMBS USING PROGLAZE SG SILICONE PER FIGURE 1.

GLAZING PROCEDURE

1. APPLY TREMCO BUTYL GLAZING TAPE CONTINUOUS TO SASH AS INDICATED IN FIGURES 2A AND 2B. BACK UP JOINTS WITH 6" LONG TOE BEAD OF BUTYL SEALANT.
2. INSTALL TWO (2) 3/8" x 1" SETTING BLOCKS AT BOTTOM HINGE SIDE CORNER. LOCATE AS INDICATED IN FIGURES 2 & 3.
3. SET GLASS ON SETTING BLOCKS, TIGHT AGAINST GLAZING TAPE.
4. AFTER SQUARING SASH, INSTALL TWO (2) SETTING BLOCKS AT UPPER LOCK SIDE CORNER, AS SHOWN IN FIGURE 3. ADJUST BLOCK THICKNESS AS REQUIRED TO KEEP SASH SQUARE.
5. INSTALL INTERIOR GLASS STOPS.
   A. USE E3702 FOR 1" GLASS (SEE FIGURE 5A).
   B. USE E3703 FOR 1/4" GLAZING (SEE FIGURE 5B).
6. INSTALL P3703 WEDGE GASKET.
   A. CUT GASKET SLIGHTLY LONGER THAN DLO. ADD APPROXIMATELY 1/16" TO 1/8" PER FOOT.
   B. START AT ENDS AND WORK TOWARDS CENTER OF GLASS LITE.
   C. SEAL BUTT JOINTS AT CORNERS WITH BUTYL SEALANT.

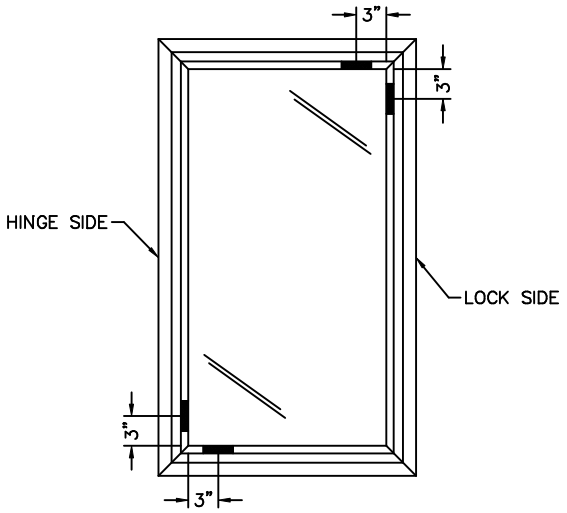


FIGURE 3

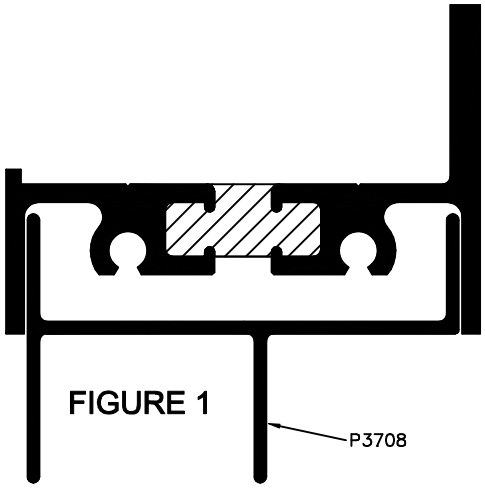


FIGURE 1

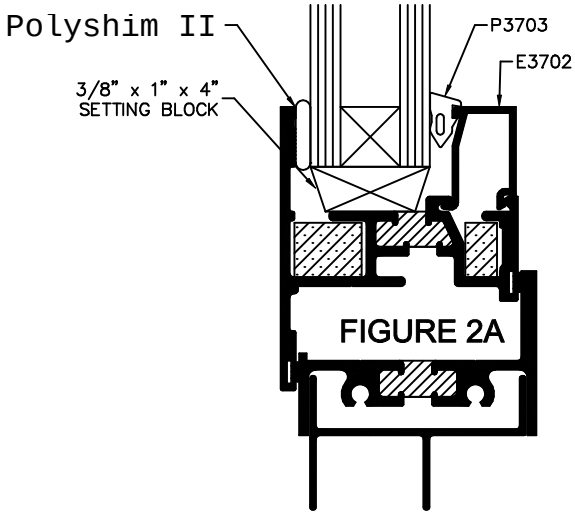


FIGURE 2A

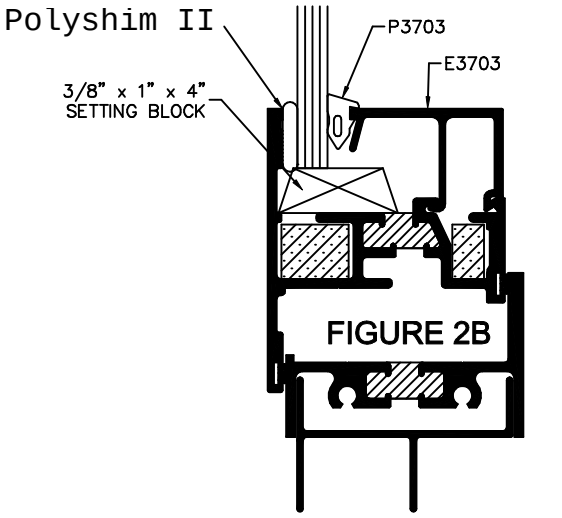


FIGURE 2B

OPTIONAL CURTAINWALL INSTALLATION

WINDOW INSTALLATION

1. MAKE SURE THAT OPENING IS SQUARE AND PLUMB.
2. POSITION WINDOW FRAME IN OPENING.
   A. FOLLOWING CURTAINWALL MAUNFACTURER'S INSTALLATION INSTRUCTIONS, INSTALL ASSEMBLED VENT IN PLACE OF GLASS.
   B. USE SETTING BLOCK DESIGNED FOR 1/2" GLASS BITE. SHIM AS REQUIRED.
4. INSTALL PRESSURE PLATE AND SNAP COVER, PER MANUFACTURER'S RECOMMENDATION.
5. SHIM AND FASTEN HINGE JAMB TO ADJACENT FRAMING TO PREVENT SHIFTING, WHEN SASH IS OPEN. USE #10 SELF TAPPING SCREW AT TOP AND BOTTOM OF HINGE JAMB.

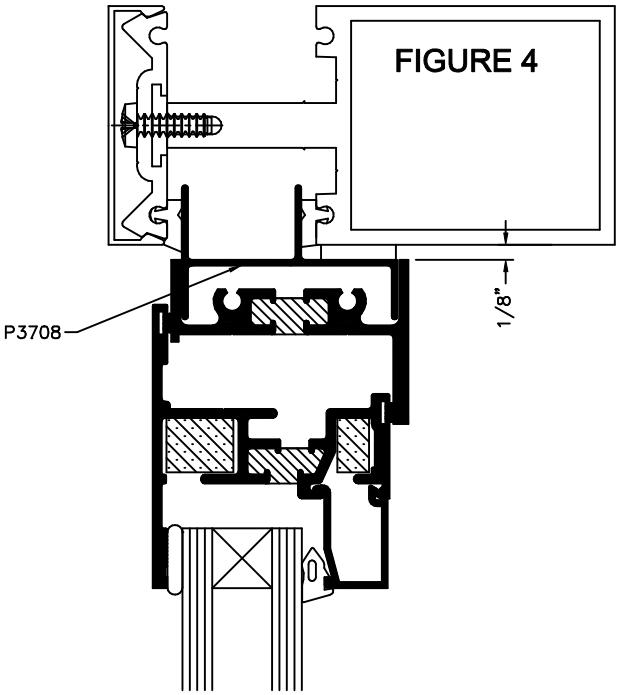


FIGURE 4

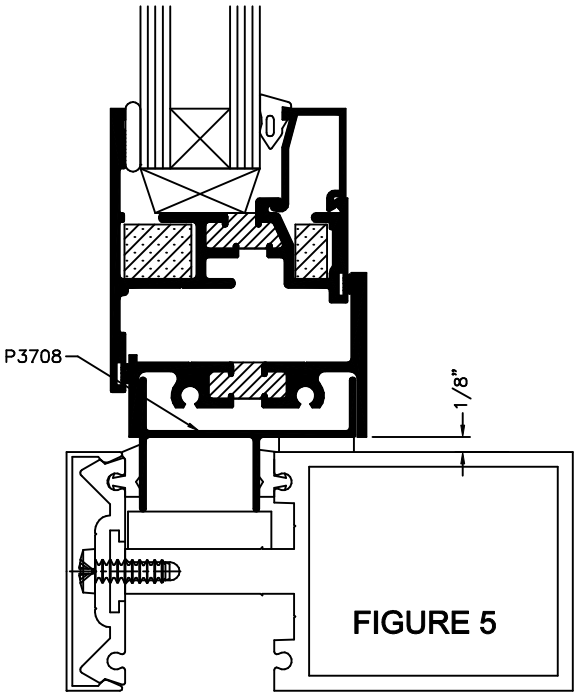


FIGURE 5

TUBELITE®

STOREFRONT, CURTAINWALL & ENTRANCES

DEPENDABLE

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