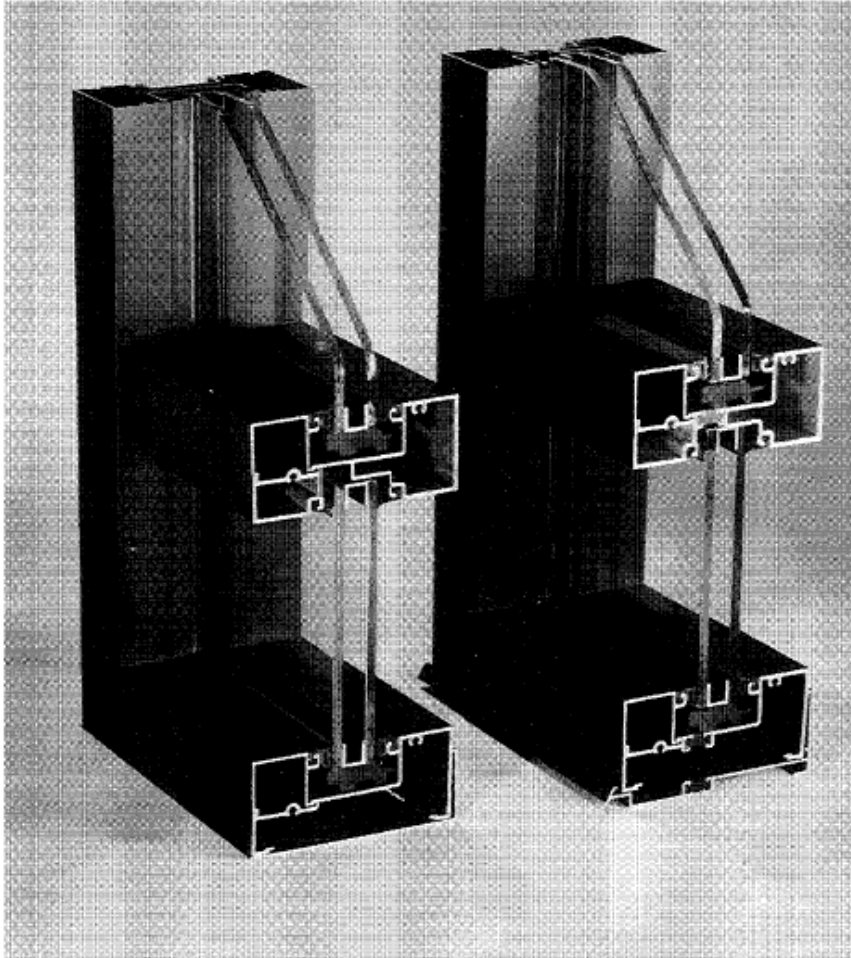


**14.01**  
**14000 Series Flush Glaze**  
**Description**



# 14.02

## 14000 Series Flush Glaze

### Guide Specifications

#### General

##### Description

Furnish all necessary materials, labor and equipment for the complete installation of aluminum framing as shown on the drawings and specified herein.

Fixed window framing shall be 14000 Series Flush Glaze (2" x 4 1/2") as manufactured by Tubelite Inc., Walker, Michigan. Whenever substitute products are to be considered, supporting technical literature, samples drawings and performance data must be submitted ten (10) days prior to bid in order to make a valid comparison of the products involved.

Test reports certified by an independent laboratory must be made available upon request.

##### Performance Requirements

Air infiltration shall not exceed .06 CFM/Ft<sup>2</sup> when tested in accordance with ASTM E-283 at a test pressure of 6.24 PSF.

There shall be no uncontrolled water entry when tested in accordance with ASTM E-331 "Water Penetration of Exterior Windows, Curtainwalls and Doors by Uniform Static Air Pressure Difference" at a test pressure of 10 PSF.

There shall be no uncontrolled water entry when tested in accordance with AAMA 501.1-94 at a dynamic pressure equivalent of 10 PSF.

Structural performance per ASTM E330 shall be based on a maximum allowable deflection of L/175 of the span or 3/4" maximum. The system shall perform to those criteria under a wind load of (architect specify) \_\_\_\_\_ PSF.

There shall be no buckling, stress on glass, edge seal failure, excess stress on curtainwall structure, anchors and fasteners or reduction in performance when tested in accordance with AAMA 501.5-98 at a temperature range of 0° to 180° F.

There shall be no "Life/Safety" type failures (glass breakage, anchor failures, or structural damage) when tested in accordance with AAMA 501.4, seismic test (lateral cycling.)

Thermal transmittance due to conduction (U<sub>c</sub>) shall not be greater than .60 - poured & debridged only (or .63 - slotted only) BTU/Hr/Ft<sup>2</sup>/F degree when tested in accordance with AAMA 1503-98. Condensation Resistance Factor (CRF) shall not be less than 56 - poured & debridged only (or 53 - slotted only) when tested in accordance with AAMA 1503-98.

The system shall have a Sound Transmission

Class (STC) rating of 32 and an Outdoor-Indoor Transmission Class (OITC) rating of 26 when tested in accordance with ASTM E90-97, ASTM E413-87 (reapproved 1994) and ASTM E1332-90.

#### Products

##### Materials

Extrusions shall be of aluminum alloy 6063-T5 extruded within commercial tolerance and free from defects impairing strength and/or durability. Main framing sections to be of .075 inch minimum wall thickness and glazing stop moldings of .060 inch thickness.

Screws, bolts and all other accessories to be compatible with the aluminum under normal service conditions.

Glazing shall be by means of an exterior and interior roll-in wedge of high quality extruded elastomeric material.

Optional: Thermal barrier shall be a two part chemically curing, unfilled polyurethane casting resin poured in place for perimeter members. Intermediate vertical members shall be slotted for efficient thermal performance.

##### Finish

All exposed framing surfaces shall be free of scratches and other serious blemishes.

Finish to be: (architect select)

Etched and clear anodized

(AAM12C22A31)

Clear - Class 2 (OA)

(AAM12C22A41)

Clear - Class 1 (2A)

Electrolytically deposited color

(AAM12C22A44) Class 1

Champagne (4K)

Light Amber (2K)

Amber (1K)

Statuary Bronze(3K)

Black (OD)

Fluoropolymer painted color \_\_\_\_\_.

#### Execution

##### Installation

Shall be in accordance with the manufacturer's installation instructions and the approved shop drawings.

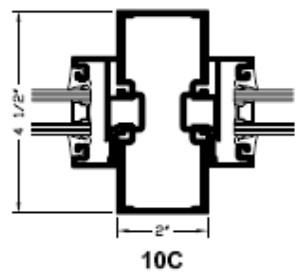
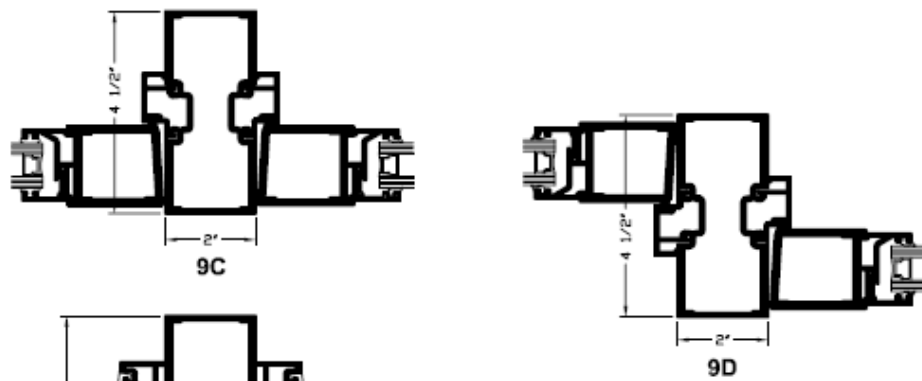
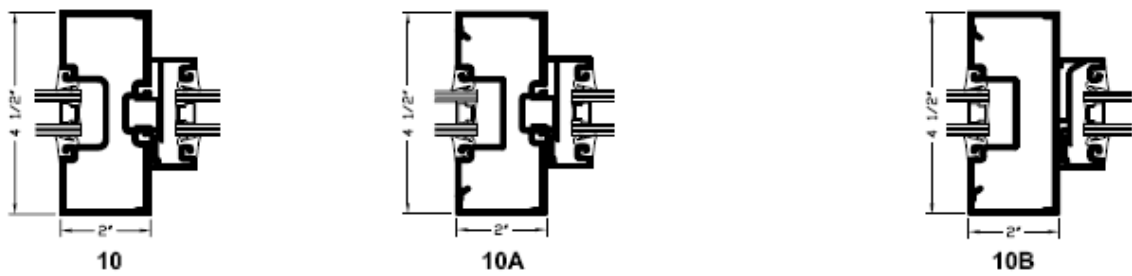
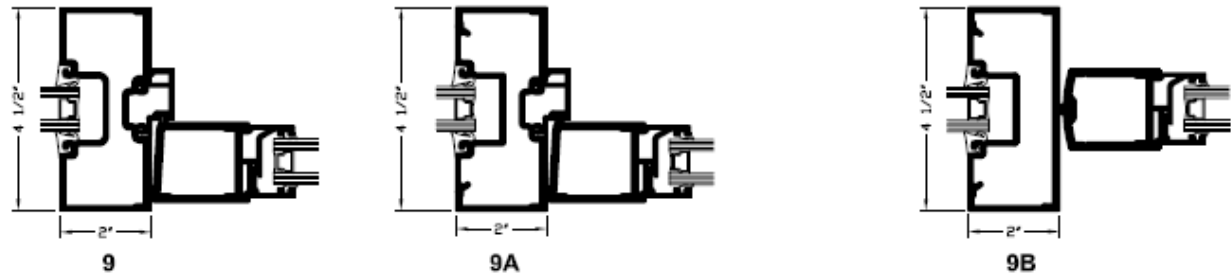
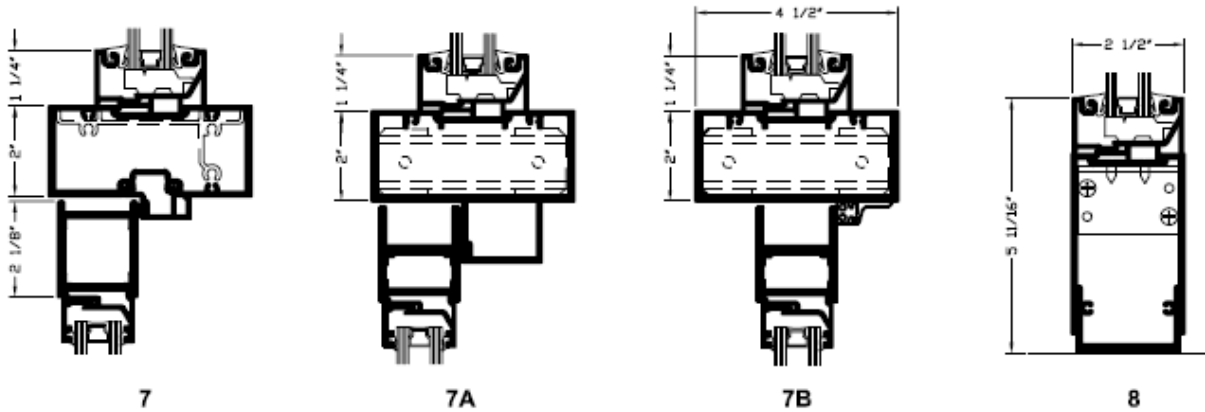
specifications are subject to change

# 14.04

## E14000 Series Flush Glaze

### 1/4 Size Details

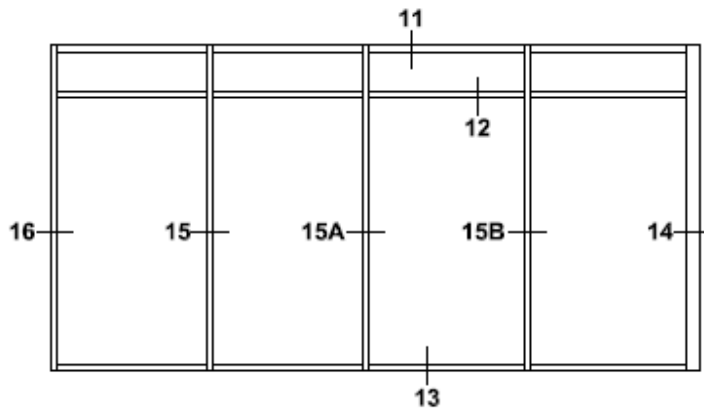
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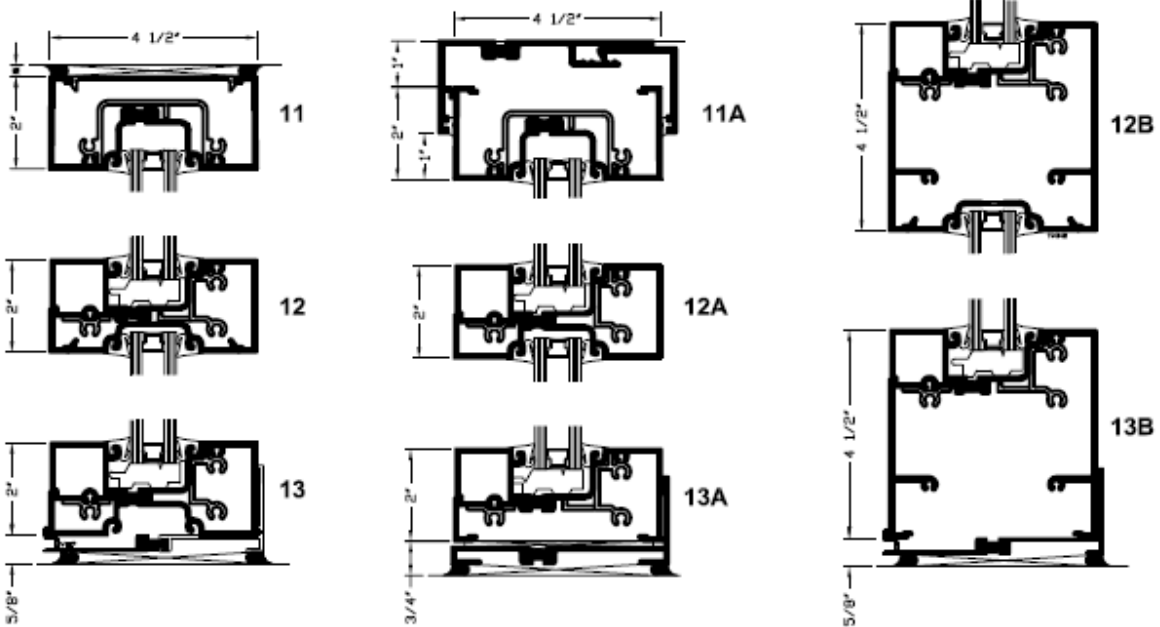
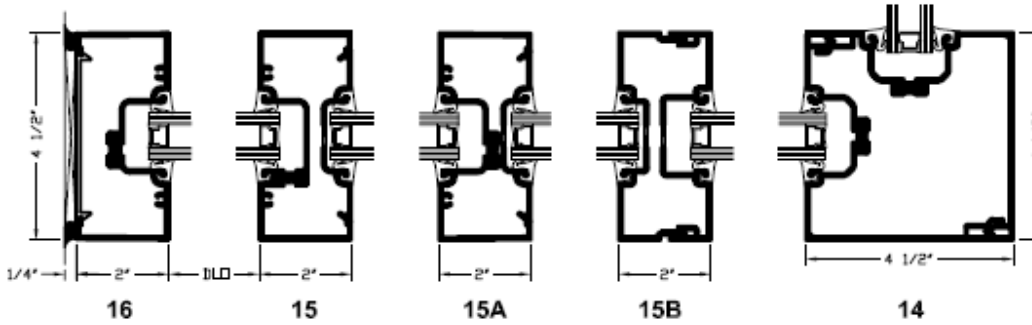
# 14.05

## T14000 Series Flush Glaze

### Elevation & 1/4 Size Details

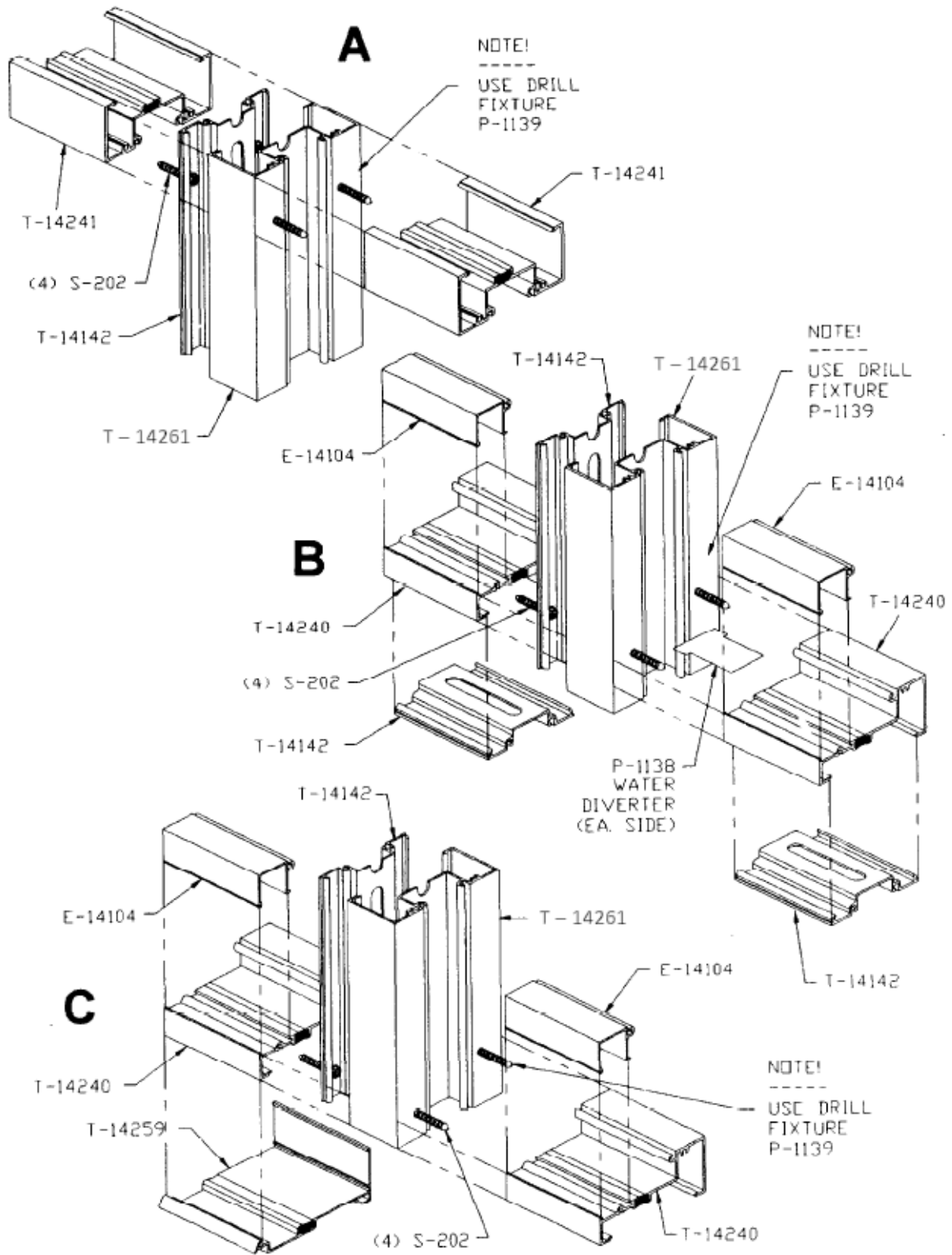


CAD DETAIL FILE NO.  
180ELEVB

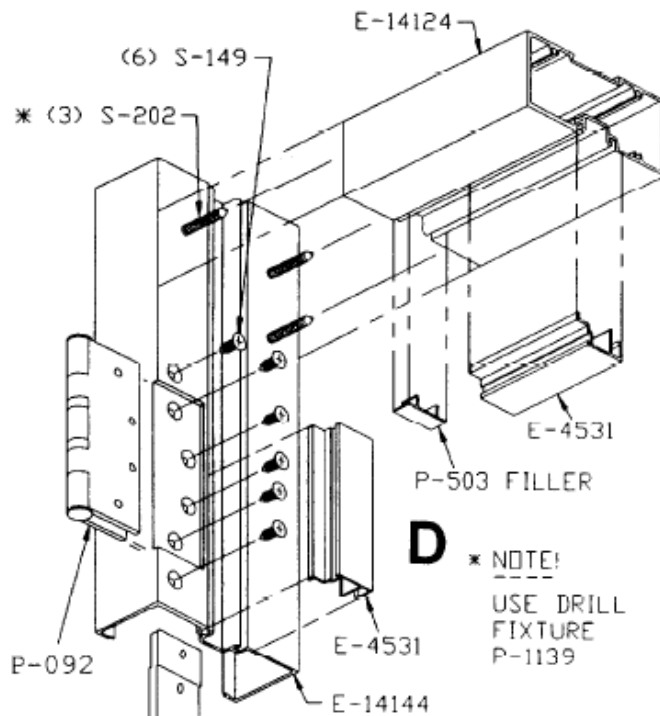
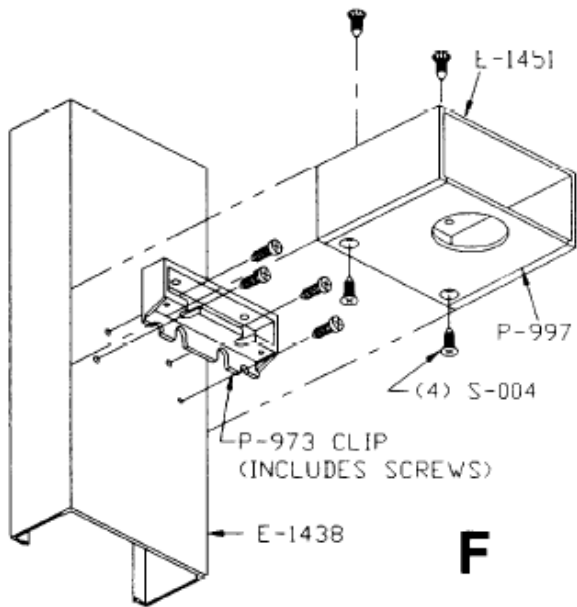


\*SEALANT, ROD, & ANCHORS NOT BY TUBELITE

# 14.08 14000 Series Flush Glaze Isometric Assembly Details



# 14.09 14000 Series Flush Glaze Isometric Assembly Details



**D** \* NOTE!  
USE DRILL  
FIXTURE  
P-1139

HARDWARE	PART NUMBER	DOOR REINF. PART NUMBER	FRAME REINF. PART NUMBER
SLOTTED BUTT	P-025	---	P-538
MORTISED BUTT	P-092	P-1219	P-1218
INTERMEDIATE OFFSET PIVOT	P-751 LH OR RH	P-360	P-683

