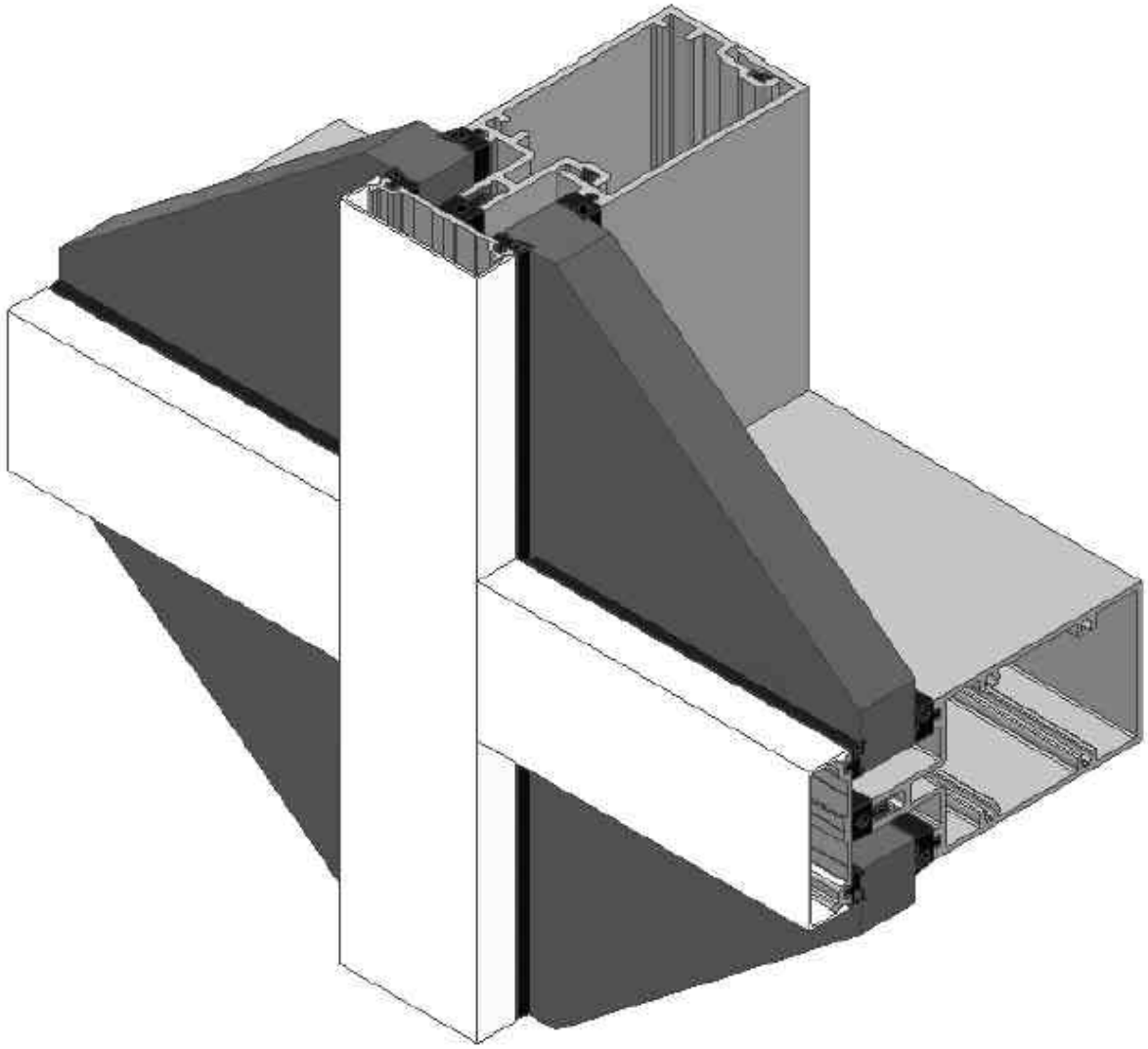
24.01
400SS – Screw Spline Curtainwall
Description



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TUBELITE®
STOREFRONTS & ENTRANCES
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24.02
400SS – Screw Spline Curtainwall
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.
400SS Curtainwall framing is manufactured by Tubelite Inc., Reed City, Michigan. Submit substitute product technical literature, samples, drawings and performance data ten (10) days prior to bid in order to make a valid comparison of the products involved.

Performance Requirements

Air infiltration shall not exceed 0.01 cfm/ft^2, when tested in accordance with ASTM E-283 "Rate of Air Leakage through Exterior Windows" 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 15 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).

Structural performance shall be based on a maximum allowable deflection of L/175 of the span, or ¾" maximum. The system shall perform to these criteria when subjected to a wind load of (architect specify) _____ PSF.

Thermal transmittance due to conduction (Uc) shall not be greater than 0.65 BTU/hr/ft^2/F°, and the Condensation Resistance Factor of the framing (CRF) shall not be less than 68, when tested in accordance with AAMA 1503.1-98.

Products

Materials

Extrusions of aluminum alloy 6063-T5 or 6063-T6 (as required), are manufactured within commercial tolerances and free from defects impairing strength and/or durability.
Main framing sections and pressure plates to be of .090 inch minimum wall thickness and snap covers to be of .050 inch minimum thickness.
Screws, bolts and other accessories are compatible with the aluminum under normal service conditions.

Finish

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

Finish to be: (architect select)
- Etched and clear anodized (AAM12C22A31)
  - Class 2 Clear (0A) (AAM12C22A41)
  - Class 1 Clear (2A)
- Electrically deposited color (AAM12C22A44)
  - Champagne (4K)
  - Light Amber (2K)
  - Amber (1K)
  - Bronze (3K)
  - Black (0D)
  - Tubelite Standard 50% PVDF Paint
    - Bone White (1P)
    - Hartford Green (2P)
    - Black (3P)
    - Brick Red (4P)
    - Sandstone (5P)
    - Quaker Bronze (6P)
    - Burnt Sun (7P)
    - Sage Brown (8P)
    - Boysenberry (9P)
    - Aegean Blue (0P)
    - Ivory (AP)
    - Beige (BP)
    - Light Sea Wolf (CP)
    - Military Blue (DP)
    - Polar White (EP)
  - Custom 50% or 70% PVDF
    - As selected

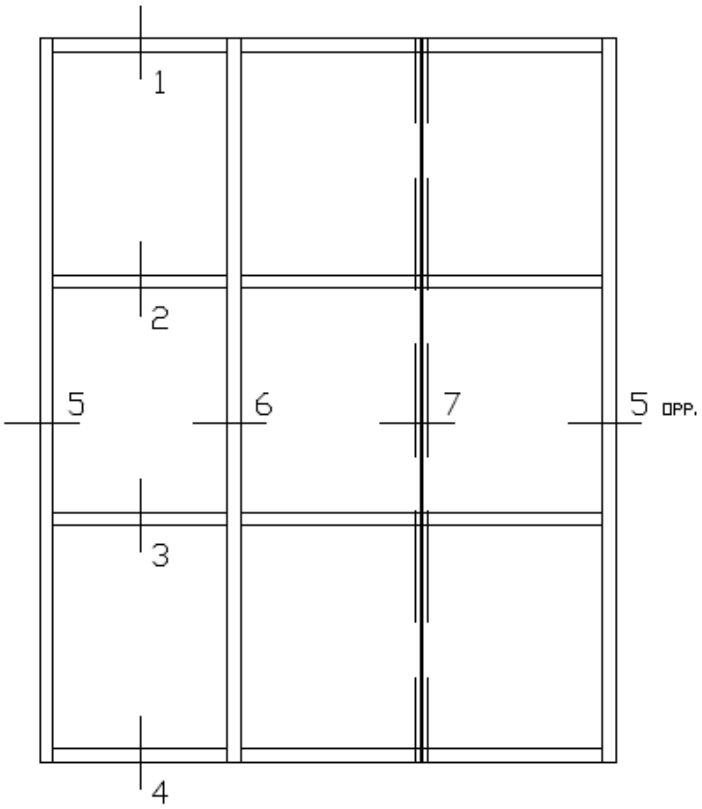
Execution

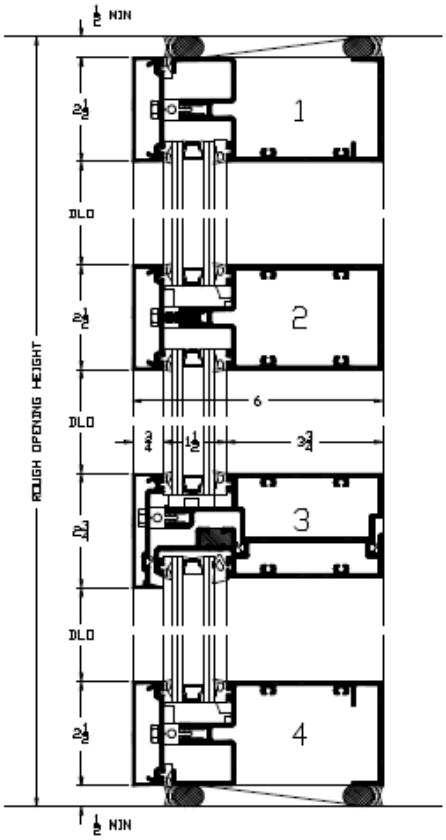
Installation

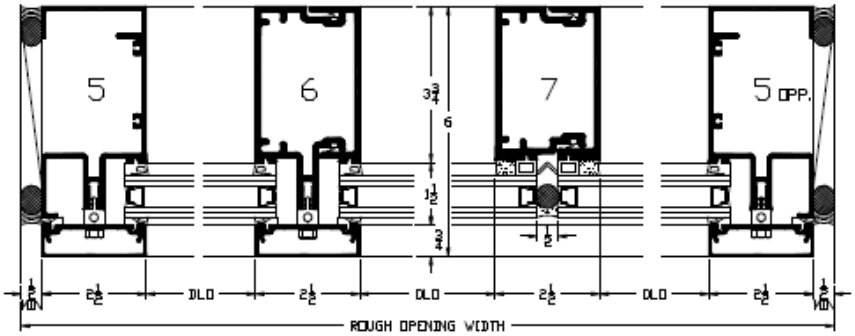
Installation shall be in accordance with the manufacturer's installation instructions and the approved shop drawings.

specifications are subject to change

24.03
400 Series Screw-Spline Curtainwall
1/4 Scale Details







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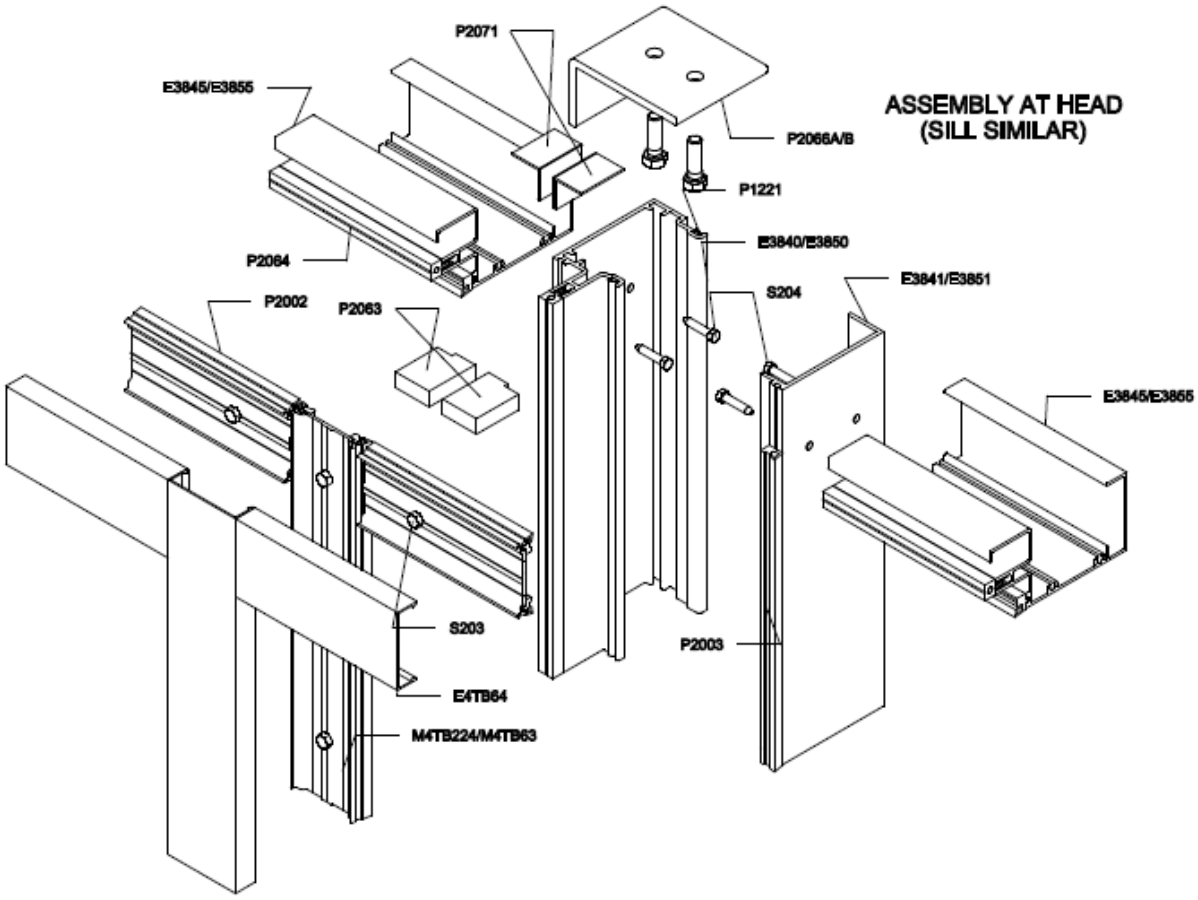
24.04
400 Series Screw-Spline Curtainwall
Isometric



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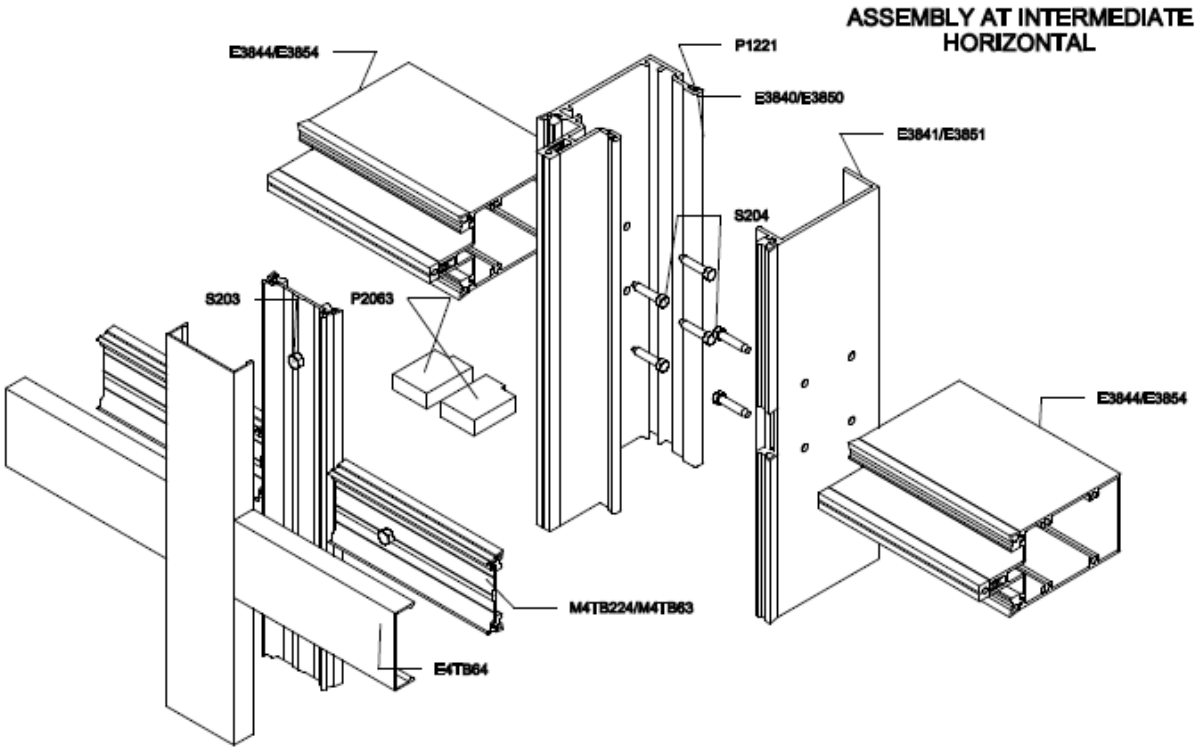
24.05
400 Series Screw-Spline Curtainwall
Isometric



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