

TEMPERED GLASS SWING ENTRANCES

SPECIFICATIONS

Part I GENERAL

Description of Work: Provide complete tempered all glass swing entrance doors and sidelites which have been fabricated assembled and tested for proper operation at the factory. Includes all materials required for installation as shown on drawings and specifications.

Work Not Included: Structural supports, sealant, interior closure and trim

QUALITY ASSURANCE:

Drawings are based on specified type and style of all glass tempered swing entrance doors and sidelites as manufactured by Alpha Door & Rail, Inc.

Part II PRODUCTS

Approved Manufacturer: Alpha Door & Rail, Inc.

RAILS

Top and bottom rails shall be _____ (as specified by architect).

Rails shall be 6063-T5 Aluminum extrusions.

Endcaps shall be screw applied or welded (as specified by architect)

GLASS

Glass shall be _____ (as specified by architect).

½ " thick fully tempered clear, gray, or bronze.

¾" thick fully tempered clear.

Glass shall be in compliance with the requirements set forth by American Society for Testing Materials (ASTM) – ASTM C-1048-91 Type 1, Quality Q3, Consumer Products Safety Commission (CPSC) – CPSC Standard of Architectural Glazing Material 16CFR 1201,1,2 and American National Standards Institute (ANSI) – ANSI Z97.1 for fabrication and tempering.

Glass shall be horizontally tempered; tong marks are unacceptable

Warpage shall be in compliance with ANSI Z97.1, ASTM C-1036-91 and ASTM C-1048-91.

All exposed edges shall be flat polished.

FINISHES

Rail finishes to be _____ (as specified by the architect).

An Architectural Class I color anodic coating conforming to Aluminum Association Standards.

Specify color: Clear, bronze or black.

Stainless steel clad, using 304 Alloy, in #8 Mirror Polish, #4 Satin Polish finish as specified.

Brass clad, using Muntz Metal 280 Alloy, in Mirror Polish, Satin Polish, US10B, or Clear Lacquered as specified.

All exposed surfaces will be free of scratches and blemishes.

HARDWARE

The door manufacturer shall furnish hardware for tempered glass swing entrance doors. Specify manufacturer model, style, type, and finish as specified by architect. Refer to Hardware Section for Alpha Door's standard push/pulls, pivots, door closers and locking devices.

If conflict in standards occurs, comply with the portion of the specification that will result in the best quality product.

Part III EXECUTION

INSTALLATION

It is the responsibility of the contractor and sub-contractor to examine all doors and sidelites prior to installation. Qualified installers, in accordance with approved drawings and/or industry standards, shall install all glass swing entrance systems.
