

OPACI-COAT-300® SPANDREL GLASS

SUGGESTED SPECIFICATION

PART 1 - GENERAL

1.01 DESCRIPTION

A. General Information

1. The other contract documents complement the requirements of this section.
2. Requirements of Division 0 and Division 1 apply to work of this Section.

B. Work Included

Include all labor, materials, equipment, transportation and services to complete installation of silicone opacifying coated SPANDREL GLASS as shown on the drawing and herein specified.

C. Related Work in Other Sections

1. Glazing - Section 08800
2. Metal Windows - Section 08500
3. Insulation - Section 07200
4. Sealants - Section 07920

1.02 SUBMITTALS

A. Shop Drawings

Submit complete, showing sizes, thicknesses.

B. Samples

Submit 300mm x 300mm (12"x12") samples of manufacturer's standard colors for Architect's approval, prior to fabrication.

C. Warranty

The opacifying coating will not lose adhesion, flake, peel, chip or develop any noticeable color change for a period of ten (10) years from date of installation.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Glass

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1. Monolithic glass shall be _____ mm (") thick, float glass, with the opacifying coating on the number two (inboard) surface.
2. Glass shall be heat strengthened or fully tempered flat glass in accordance with the current Glass Tempering Association, Engineering Standard Manual.

B. Opacifying Coating

1. The opacifying coating shall be a silicone, water-base, elastomer which will have a minimum thickness of 8 mills wet (.008"/.2mm). For fallout protection a minimum thickness of 13 mills wet (.013"/.33mm) is required. The silicone rubber material shall be medium modulus, self-extinguishing, and non-corrosive.
2. Approved applicators

Applicator shall be trained and certified by Industrial Control Development, Inc.
3. Approved manufacturers

OPACI-COAT-300®, by Industrial Control Development, Inc., 13911 NW Third Court, Suite 100, Vancouver, Washington 98685, phone (360) 546-2286, fax (360) 546-2287.

C. Insulation

When applying thermal insulation to the back of opacified glass, contact Industrial Control Development, Inc. for confirmation of compatibility of insulation to the coating.

D. Sealants

When using sealants in contact with opacifying coating, contact Industrial Control Development, Inc. for confirmation of compatibility of sealant to the coating.

PART 3 - EXECUTION

3.01 Installation

A. General

1. Cut all glazing sheets square, assure edges are smooth and free of chips and hairline cracks.
2. Cut glazing sheets to field measurements, allow for expansion clearances as recommended by manufacturer of material.
3. Use setting blocks at quarter points for all glazing. Position setting blocks at bottom quarter points.

Section 08800
Spandrel Glass

4. Use spacers to maintain 3.18mm (1/8") clearance between sheets, rabbet sides.
5. Strip surplus glazing material from both sides of glass at an angle, do not undercut.
6. Follow all manufacturer's glazing recommendations.
7. On opacifying coating, a non-acidic sealant, such as Dow Corning #795 or #895, should be used. Sealants or bonding materials with acidic or hydrocarbon-based thinners cannot be used. Gaskets and setting blocks shall be made of silicone.
8. Opacifying coating is intended for spandrel applications only. Not recommended for use in vision areas.

3.02 CLEANING AND PROTECTION

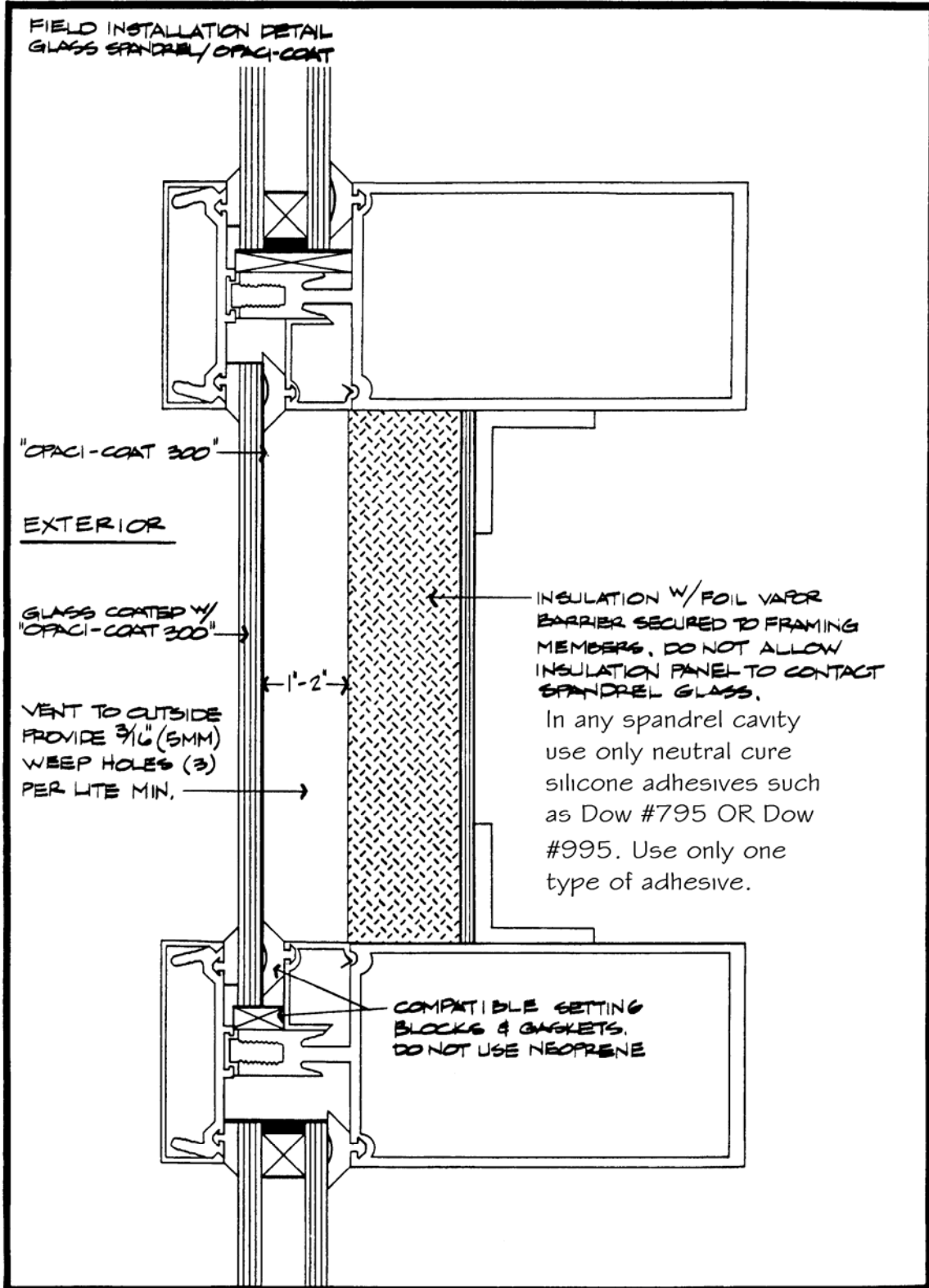
A. Glazing Subcontractor

Upon completion of glazing, subcontractor shall clean glazing materials from glass and surrounding work and remove all labels. Installation shall be free from scratches and rattles.

B. General Contractor

Final cleaning, as well as protection against damage, shall be the responsibility of the general contractor.

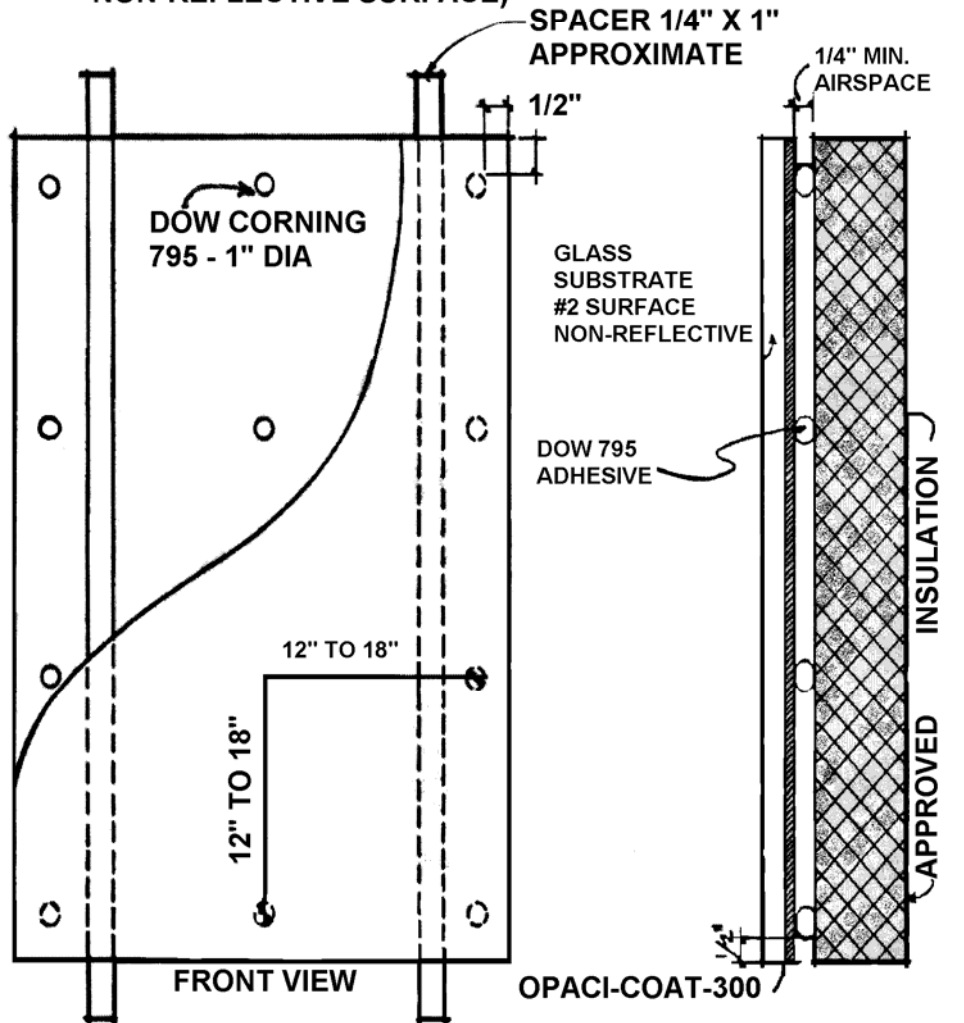
C. Field repairs can be made to coating if required. Contact Industrial Control Development, Inc. for specific instructions.



INSULATED SPANDREL DETAIL

SCHEDULE SECTION

SHOP INSULATION
LAYUP PROCEDURE
(FOR SPANDREL WHERE
INSULATION IS AFFIXED TO A
NON-REFLECTIVE SURFACE)



TEMPORARY SPACERS,
AFTER 24 TO 48 HRS OF
CURING, CAREFULLY
REMOVE SPACERS.
CAUTION...REMOVE SPACERS
CAREFULLY BEFORE
SHIPPING