SECTION 08 87 13

DECORATIVE FILM

\*\* NOTE TO SPECIFIER \*\* Solar Gard®; Armorcoat and Panorama Safety and Security Films; ByDesign.  
  
This section is based on the products of Solar Gard®, which is located at:  
4540 Viewridge Ave  
San Diego, CA 92123.  
Toll Free: (877) 273-4364.  
Tel: (858) 576-0200.  
Fax: (858) 571-3605.  
Email:[info@solargard.com](mailto:info@solargard.com)  
Web:[www.solargard.com](http://www.solargard.com)

[[Click Here](http://www.arcat.com/arcatcos/cos41/arc41218.html)] for additional information.  
  
Saint-Gobain Solar Gard, an industry expert in film and coating solutions for more than 40 years manufacturing high quality films composed of incredibly strong, optically clear, high quality polyester, high-grade ultraviolet inhibitors and special laminating and mounting adhesives, with a protective, scratch-resistant coating.

Solar Gard solar control window films are designed to offer the best experience in terms of comfort, energy savings, and aesthetics. Solar Control films can reject up to 86% of the sun’s total solar energy to improve occupant comfort, reduce energy consumption, and improve exterior aesthetics. Both clear and solar safety versions block 99% of the sun’s destructive ultraviolet rays to provide protection from premature fading and deterioration of furnishings.

Solar Gard Armorcoat® Safety & Security Films have been securing buildings around the world for decades, including some of the most prominent government facilities in the U.S. [Solar Gard](https://www.solargard.com/uk/whysolargard/) Armorcoat has been rigorously tested to globally recognized standards, including ISO, GSA and ASTM. Globally, schools have also benefited from the added layer of protection safety film provides.

Saint-Gobain Solar Gard is the first window film manufacturer to measure the net carbon impact of its architectural solar control window films and achieve a Climate Declaration. A complete Life Cycle Analysis was conducted on its Solar Gard and Panorama solar control films, providing evidence on how these films produce a net reduction in greenhouse gas emissions.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Decorative polyester film field applied to existing glass.
    2. Decorative polyester film factory applied to glazed surfaces.
    3. Decorative vinyl film field applied to existing glass.
    4. Decorative vinyl film factory applied to glazed surfaces.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. LBNL WINDOW SOFTWARE - A computer program for calculating total window thermal performance indices (i.e. U-values, solar heat gain coefficients, and visible transmittances).
    2. NFRC 100/200 - Standard Methods of Test for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres.
    3. ASTM E 903 - Standard Methods of Test for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres.
    4. ASTM E 84 - Standard Method of Test for Surface Burning Characteristics of Building Materials.
  1. PERFORMANCE REQUIREMENTS

\*\* NOTE TO SPECIFIER \*\* Delete performance requirements below not required for the project.

* + 1. Flammability: Meets surface burning characteristics in accordance with ASTM E-84 Class A
       1. Flame Spread Index = < 25
       2. Smoke Development Index = < 450
    2. Volatile Organic Compound Content:
       1. Compliant with the performance standard established for low-emitting materials under the CDPH, the Collaborative for High Performance Schools (CHPS) and the LEED v4 programs.
  1. SUBMITTALS

\*\* NOTE TO SPECIFIER \*\* Delete submittals not required for the project.

* + 1. Submit under provisions of Section 01 30 00.
    2. Product Data: Manufacturer's data sheets on each product to be used, including:
       1. Independent accredited testing agency reports showing compliance with specified tests in section 1.3.
       2. Preparation instructions and recommendations.
       3. Storage and handling requirements and recommendations.
       4. Installation methods.
    3. Provide a Film to Glass Stress Analysis of the existing glass and proposed glass/solar film combination as recommended by the film manufacturer.
    4. Shop Drawings: Detailing installation of film, anchoring accessories, and sealant.
    5. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
    6. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
    7. Manufacturer's warranty information.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Products specified shall be a standard product of a manufacturer regularly engaged in the manufacturing and distribution of such products for a minimum of 10 years.
        1. Provide a Quality Management certificate stating the manufacturing facility’s location conformance with ISO 9001
        2. Provide an Environmental Management certificate stating the manufacturing facility’s location conformance with ISO 14001
     2. Installer Qualifications: Documented experience in the application of self-adhesive window films with at least 3 applications of similar size and complexity, and approved by the window film manufacturer.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
       1. Apply film to one window designated by Architect.
       2. Do not proceed with remaining work until workmanship and color, is approved by Architect.
  1. DELIVERY, STORAGE, AND HANDLING
     1. Store products indoors in manufacturer's unopened packaging until ready for installation.
     2. Dispose of any hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities.
  2. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
  3. WARRANTY

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if no warranties are required or if the work is covered under the terms of a general project warranty specified elsewhere.

* + 1. Provide film manufacturer's limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
    2. Duration of warranty shall be as follows:
       1. Modern Polyester Series - Seven (7) Year Limited Warranty
       2. Classic Polyester Series - Five (5) Year Limited Warranty
       3. Print Series - One (1) Year Limited Warranty
       4. Modern Vinyl Series (interior applied) - Seven (7) Year Limited Warranty
       5. Modern Vinyl Series (interior applied) - Five (5) Year Limited Warranty

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Solar Gard®, which is located at: 4540 View Ridge Ave. ; San Diego, CA 92123; Toll Free Tel: 866-572-1922; Tel: 858-576-0200; Email:[info@solargard.com](mailto:info@solargard.com?subject=RE:ARCAT%20Spec%20Question%20(08874bek):%20%20); Web:[www.solargard.com](http://www.solargard.com)
      2. Substitutions: Not permitted.
   2. MODERN POLYESTER SERIES FILMS

\*\* NOTE TO SPECIFIER \*\* Delete film options from the list below not considered for project.

* + 1. Solar Gard Modern Dusted Crystal film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted
          2. Visible Light Transmittance: 85 percent
          3. Visible Reflectance (glass side): 8
          4. Visible Reflectance (film side): 8
          5. Glare Reduction: 4 percent
          6. Solar Heat Gain Coefficient: .79
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Vinyl
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard Modern Crystal Frost film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted
          2. Visible Light Transmittance: 85 percent
          3. Visible Reflectance (glass side): 8
          4. Visible Reflectance (film side): 9
          5. Glare Reduction: 4 percent
          6. Solar Heat Gain Coefficient: .79
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Vinyl
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 3-4-mil (75-100 micron)
    1. Solar Gard Modern Deep Etch film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted
          2. Visible Light Transmittance: 66 percent
          3. Visible Reflectance (glass side): 19
          4. Visible Reflectance (film side): 19
          5. Glare Reduction: 25 percent
          6. Solar Heat Gain Coefficient: .65
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Vinyl
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 3-mil (75 micron)
    1. Solar Gard Modern Dusted Crystal 02 film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted
          2. Visible Light Transmittance: 85 percent
          3. Visible Reflectance (glass side): 9
          4. Visible Reflectance (film side): 9
          5. Glare Reduction: 4 percent
          6. Solar Heat Gain Coefficient: .79
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 3-mil (75 micron)
    1. Solar Gard Modern Milk Glass film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted Matte
          2. Visible Light Transmittance: 35 percent
          3. Visible Reflectance (glass side): 43
          4. Visible Reflectance (film side): 52
          5. Glare Reduction: 60 percent
          6. Solar Heat Gain Coefficient: .44
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 3-mil (75 micron)
    1. Solar Gard Modern Glacier Gray film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted
          2. Visible Light Transmittance: 50 percent
          3. Visible Reflectance (glass side): 33
          4. Visible Reflectance (film side): 36
          5. Glare Reduction: 44 percent
          6. Solar Heat Gain Coefficient: .54
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard Modern Glacier Matte film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted Matte
          2. Visible Light Transmittance: 52 percent
          3. Visible Reflectance (glass side): 29
          4. Visible Reflectance (film side): 28
          5. Glare Reduction: 42 percent
          6. Solar Heat Gain Coefficient: .60
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard Modern Misty Frost film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted
          2. Visible Light Transmittance: 73 percent
          3. Visible Reflectance (glass side): 17
          4. Visible Reflectance (film side): 18
          5. Glare Reduction: 18 percent
          6. Solar Heat Gain Coefficient: .72
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard Modern Dot Gradient 1 film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Feathered Film Portion Performance Results, Nominal
          1. Film Appearance: White Frosted Gradient (Top Only)
          2. Visible Light Transmittance: 53 percent
          3. Visible Reflectance (glass side): 27
          4. Visible Reflectance (film side): 26
          5. Glare Reduction: 40 percent
          6. Solar Heat Gain Coefficient: .61
       2. Frosted Side Film Performance Results, Nominal
          1. Film Color: White
          2. Visible Light Transmittance: 70 percent
          3. Visible Reflectance (glass side): 17
          4. Visible Reflectance (film side): 16
          5. Glare Reduction: 21 percent
          6. Solar Heat Gain Coefficient: .71
       3. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard Modern Dot Gradient 2 film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Feathered Film Portion Performance Results, Nominal
          1. Film Appearance: White Frosted Gradient (Top & Bottom)
          2. Visible Light Transmittance: 53 percent
          3. Visible Reflectance (glass side): 27
          4. Visible Reflectance (film side): 26
          5. Glare Reduction: 40 percent
          6. Solar Heat Gain Coefficient: .61
       2. Frosted Side Film Performance Results, Nominal
          1. Film Color: White Frost
          2. Visible Light Transmittance: 70 percent
          3. Visible Reflectance (glass side): 17
          4. Visible Reflectance (film side): 16
          5. Glare Reduction: 21 percent
          6. Solar Heat Gain Coefficient: .71
       3. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard Clear Frost film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frosted
          2. Visible Light Transmittance: 64 percent
          3. Visible Reflectance (glass side): 25
          4. Visible Reflectance (film side): 27
          5. Glare Reduction: 28 percent
          6. Solar Heat Gain Coefficient: .64
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Removable Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard White Opaque film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Matte
          2. Visible Light Transmittance: 9 percent
          3. Visible Reflectance (glass side): 69
          4. Visible Reflectance (film side): 84
          5. Glare Reduction: 90 percent
          6. Solar Heat Gain Coefficient: .25
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Removable Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard Black Opaque film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: Black
          2. Visible Light Transmittance: 0 percent
          3. Visible Reflectance (glass side): 6
          4. Visible Reflectance (film side): 7
          5. Glare Reduction: 100 percent
          6. Solar Heat Gain Coefficient: .32
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Removable Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard Modern Safety Frost film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: White Frost
          2. Visible Light Transmittance: 84 percent
          3. Visible Reflectance (glass side): 9
          4. Visible Reflectance (film side): 9
          5. Glare Reduction: 5 percent
          6. Solar Heat Gain Coefficient: .78
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Pressure Sensitive
        3. Film Thickness: 5-mil (125 micron)
    1. Solar Gard PCR2 Print film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: Clear
          2. Visible Light Transmittance: 87 percent
          3. Visible Reflectance (glass side): 10
          4. Visible Reflectance (film side): 10
          5. Glare Reduction: 2 percent
          6. Solar Heat Gain Coefficient: .78
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Removable Pressure Sensitive
        3. Film Thickness: 2-mil (50 micron)
    1. Solar Gard PCR4 Print film with pressure sensitive adhesive shall have the following nominal properties when applied to 1/4 inch (6 mm) clear glass.
       1. Film Performance Results, Nominal
          1. Film Appearance: Clear
          2. Visible Light Transmittance: 86 percent
          3. Visible Reflectance (glass side): 10
          4. Visible Reflectance (film side): 10
          5. Glare Reduction: 2 percent
          6. Solar Heat Gain Coefficient: .78
       2. Physical Properties, Nominal

\*\* NOTE TO SPECIFIER \*\* The following values are nominal and should NOT be used for specification purposes. Material physical properties testing is conducted in a lab setting under controlled parameters. Performance testing on filmed glass is preferred and indicative of real world applications. There are specific industry standards that demonstrate a films performance when applied to glass. Refer to Section 1.3 when specifying film performance requirements.

* + - * 1. Material Type: Polyester
        2. Adhesive Type: Clear, Removable Pressure Sensitive
        3. Film Thickness: 4-mil (100 micron)

1. EXECUTION
   1. EXAMINATION
      1. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
      2. Glass surfaces should be inspected for defects including scratches or defects which will affect the final appearance.
      3. Do not begin installation until substrates have been properly inspected.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions. Installation must be accomplished by a recognized professional installer of film for energy control purposes or safety and security purposes. Completed work must meet IWFA visual acceptance standard.
      2. Install without bubbles, ripples, drips, dirt, cuts, tears or gaps between film and frame.
      3. Clean newly installed film and window frames after installation.
      4. Clean up cleaning solutions, run-off cleaning water and adhesive mounting solution.
   4. PROTECTION
      1. Protect installed products until completion of project.
      2. Where installed film could be damaged by subsequent construction provide tape warning strips or barricades to prevent contact.

END OF SECTION