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**SECTION 06 0620**  
**DECORATIVE PLASTIC LAMINATE**

This Section specifies “Wilsonart® Decorative Plastic Laminates produced by Wilsonart. Wilsonart offers a wide range of laminate products with colors and patterns to suit virtually any residential or commercial need. Wilsonart is the largest and most-recognized manufacturer of laminates in the United States with a substantial presence in the global marketplace.

Wilsonart® Laminates are the preferred design option for fine quality residential and commercial countertops, furniture, fixtures and casework. Interior architectural applications such as columns, wainscoting, valances, cornices, interior doors, and divider systems are ideal for laminate finish solutions. Wilsonart has also developed specialty uses such as visual display surfaces, fire-rated and chemical resistant surfaces.

Wilsonart Laminates contribute to LEED v4 and LEED-CI points in several categories and have attained UL GREENGUARD Gold Certification and SCS Gold Certification for low indoor air chemical emissions into indoor air during product usage.

Section Editing: Informational notes will appear as “Editing Note” text boxes throughout this Section. Bracketed bold text will require a selection to be made or information to be inserted.

**PART 1 - GENERAL**

**1.01 SECTION INCLUDES**

**EDITING NOTE:** Revise listing to suit Project requirements.

- 2.03 Standard Decorative Laminates.
- 2.04 HD® High Definition® Laminates.
- 2.05 SOLICOR™ Laminates.
- 2.06 WXY (Wilsonart By You) Laminates.
- 2.07 Virtual Design Library Laminates.
- 2.08 Markerboard Laminates & Chalkboard Laminates.
- 2.09 Fire-Rated Decorative Laminates.
- 2.10 Compact Laminates.
- 2.11 Chemsurf® Chemical-Resistant Decorative Laminates.
- 2.12 High Wear Decorative Laminates.
- 2.13 Cabinet Liners.
- 2.14 Phenolic Backer Sheets.
- 2.15 Decorative Edges and Edgeband.
- 2.16 Traceless™ Laminates.

## 2.17 Adhesives.

**1.02 RELATED REQUIREMENTS**

**EDITING NOTE:** Section listings below are common references and based on the broadly accepted CSI Master Format® for Section numbers and titles. Revise to suit requirements for particular project.

- A. Section 01 3000 - Submittals.
- B. Section 06 4116 - Plastic-Laminate-Clad Architectural Cabinets.
- C. Section 06 4219 - Plastic-Laminate-Clad Wood Paneling.
- D. Section 08 1423.16 - Plastic-Laminate-Faced Wood Doors.
- E. Section 10 2113.16 - Plastic-Laminate-Clad Toilet Compartments.
- F. Section 12 3530.13 - Kitchen Casework.
- G. Section 12 3623.13 - Plastic-Laminate-Clad Countertops.

**1.03 REFERENCES**

**EDITING NOTE:** Revise Reference Standards to suit Project requirements.

- A. Reference Standards:
  - 1. ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials.
  - 2. ASTM E 162: Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.
  - 3. ASTM E 662: Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
  - 4. AWI: Architectural Woodwork Institute.
  - 5. AWS: Architectural Woodwork Standards.
  - 6. FSC: Forest Stewardship Council.
  - 7. IMO: International Maritime Organization.
  - 8. IMO FTP: International Code for Application of Fire Test Procedures.
  - 9. IMO FTP Code Part 2: Smoke and Density Test.
  - 10. IMO FTP Code Part 5: Test for Surface Flammability.
  - 11. ISO 4586 International Organization for Standardization.
  - 12. ISO 9001: Quality Management Systems.
  - 13. ISO 14001: Environmental Management Systems.
  - 14. KCMA A161.1: Performance & Construction Standard for Kitchen and Vanity Cabinets.
  - 15. LEED: Leadership in Energy and Environmental Design.
  - 16. NFPA 101: Life Safety Code.
  - 17. NSF 35: High Pressure Decorative Laminates for Surfacing Food Service Equipment.
  - 18. OHSAS: Occupational Health and Safety Assessment Series.
  - 19. OHSAS 18001: Occupational Health and Safety Management Systems.
  - 20. SCAQMD Rule 1168: Adhesive and Sealant Applications.
  - 21. SCS: SCS Global Services.
  - 22. UL 723: Test for Surface Burning Characteristics of Building Materials.

23. UL 2818: GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings.
24. BIFMA HCF 8.1-2014 (Section 6 / Modified)
25. BIFMA HCF 8.1-201X Section 9 (Alternate Method per ASTM G155 using ISO 4586-2.33 conditions)

#### 1.04 SUBMITTALS

- A. Submit under provisions of Section 01 3000 - Submittals.
- B. Product Data: Submit the following:
  1. Product data for each specified product. Include manufacturer's technical data sheets and published instruction instructions.
  2. Safety Data Sheets (SDS).
- C. Shop Drawings: Fully dimensioned shop drawings showing layouts and components, including edge conditions, joinery, terminating conditions, substrate construction, and cutouts and holes. Include elevations, section details, and large scale details. Indicate color, pattern, and finish selections.
- D. Samples: Selection and verification samples for each color, pattern, and finish required.
- E. Quality Assurance Submittals:
  1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties, if required.
  2. LEED Submittals: Applicable LEED documentation for potential credits specified in this Section.
- F. Maintenance Data: Manufacturer's published maintenance manual with closeout submittals.

#### 1.05 REGULATORY REQUIREMENTS

- A. Adhesives, Sealants, and Sealant Primers:
  1. SCAQMD (South Coast Air Quality Management District) Rule 1168 for VOC content.
  2. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.

#### 1.06 QUALITY ASSURANCE

- A. Qualifications:
  1. Manufacturer Qualifications: Manufacturer producing products in an ISO 9001, ISO 14001, and OHSAS 18001 certified facility.
  2. Fabricator Qualifications: Minimum of three years documented experience in fabricating decorative plastic laminates similar in scope and complexity of this Project.
  3. Installer Qualifications: Minimum of three years documented installation experience for projects similar in scope and complexity to this Project. **[Installer shall be the fabricator].**

**EDITING NOTE:** Following two LEED paragraphs list potential credits according to LEED 2009 for New Construction & Major Renovations (LEED-v4) and LEED 2009 for Commercial Interiors (LEED-CI). Coordinate with designated Project LEED AP for credits applicable to Project.

B. LEED 2009 rating system potential credits for plastic laminate:

1. **[LEED-NC] [LEED-CI]** MR Credit 4 - Recycled Content.
2. **[LEED-NC] [LEED-CI]** MR Credit 5 - Regional Materials.
3. **[LEED-NC] [LEED-CI]** MR Credit 6 - Rapidly Renewable Content.
4. **[LEED-NC] [LEED-CI]** MR Credit 7 - Certified Wood.
5. **[LEED-NC] [LEED-CI]** IEQ Credit 4.4 - Low-Emitting Materials - Composite Wood and Agrifiber Products.
6. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.

C. LEED 2009 rating system potential credits for Wilsonart® Adhesives:

1. **[LEED-NC] [LEED-CI]** IEQ Credit 3.2 - Construction Indoor Air Quality Management Plan - Before Occupancy.
2. **[LEED-NC] [LEED-CI]** IEQ Credit 4.1- Low Emitting Materials - Adhesives and Sealants.
3. **[LEED-NC] [LEED-CI]** IEQ Credit 4.4 Low-Emitting Materials - Composite Wood and Agrifiber Products.
4. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.

D. Mock-Up:

**EDITING NOTE:** Select mock-up size option. Delete entire paragraph if mock-up is not a Project requirement.

1. Install at Project site using acceptable products and manufacturer approved installation methods. Obtain Architect's acceptance for color, pattern, finish, fabrication, and installation standards.
2. Mock-Up Size: [ ] by [ ].
3. Mock-Up Size: Indicated on Drawings.
4. Mock-Up Location: **[Indicated on Drawings] [As directed by Architect]**.
5. Maintain mock-up during construction for fabrication and installation comparison. If required, remove and legally dispose of mock-up when no longer required.
6. Incorporation: If permitted by Architect, mock-up may be incorporated into as part of the completed Work.

## 1.07 DELIVERY, STORAGE, AND HANDLING

- A. Storage and Protection: Store plastic laminate materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer. Store sheet materials flat on pallets or similar rack-type storage to preclude damage.

## 1.08 PROJECT CONDITIONS

- A. Environmental Requirements: Ensure appropriate acclimatization between plastic laminate and substrate prior to fabrication. Condition plastic laminate and substrate

surfaces in the same environment for 48 hours prior to fabrication. Condition at approximately 75 deg F (24 deg C) and 45 percent to 55 percent relative humidity.

1. Adhesive: For best results, apply adhesives at temperatures at or above 65 deg F (18 deg C).
- B. Field Measurements: Verify actual measurements and openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

## PART 2 - PRODUCTS

**WILSONART CONTACT INFORMATION:** Wilsonart, 2501 Wilsonart Drive, Temple, TX 76503-6110. Tel. 254.207.7000, Toll-Free 800.433.3222, Fax 254.207.2384.  
Website: [www.wilsonart.com](http://www.wilsonart.com)

### 2.01 MANUFACTURER

- A. Basis of Design: Wilsonart.

**EDITING NOTE:** Refer to the **Laminate Design Detail Page** on the Wilsonart website for complete information on laminate properties, including applicable sustainable design conformance standards, compliance with additional standards, physical performance properties, and available sheet sizes.

### 2.02 LAMINATE PROPERTIES

- A. Laminate Composition: Decorative surface papers impregnated with melamine resins and pressed over kraft paper core sheets impregnated with phenolic resin. Sheets then bonded together under pressures greater than 1,000 lbs. per sq. in. and high temperatures approaching 300 deg F (149 deg C). Finished sheets trimmed and backs sanded to facilitate bonding to substrate.
- B. Sustainable Design Conformance Standards:
  1. UL 2818 GREENGUARD Gold Certified.
  2. SCS Certified Indoor Air Quality Advantage™ Gold Certified.
  3. SCS Chain of Custody Certified for FSC® Mix, FSC Controlled Wood.
  4. SCS Recycled Content Certified.

**EDITING NOTE:** Refer to the **Laminate Design Detail Page** on the Wilsonart website for comprehensive information regarding surface burning characteristics and classifications of Wilsonart decorative plastic laminate products.

- C. Surface Burning Characteristics:
  1. Test Standards: ASTM E 84, ASTM E 162, ASTM E 662, IMO FTP Code Part 2 and Part 5, and UL 723.
  2. Interior Finish Classification, Fire-Rated Laminate: Class A according to NFPA 101. Flame spread less than 25 and Smoke Developed less than 450.

**EDITING NOTE:** Should laminate surfaces be installed in areas subject to food contact, Wilsonart offers a wide range of laminate options, including Standard, Fire-Rated, High Wear,

D. Surfaces Subject to Food Contact: Comply with NSF Standard 35.

## 2.03 STANDARD DECORATIVE LAMINATES

A. Product: "Wilsonart® Laminate."

**EDITING NOTE:** All HD® and Premium finish laminates are manufactured with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.

**EDITING NOTE:** All HD® Premium finish laminates are manufactured with Antimicrobial Protection that helps inhibit the growth of stain and odor causing bacteria on your countertop or surface. Standard Finishes – 38 and 60 are available with Antimicrobial Protection upon request during the ordering process. If Antimicrobial Protection not required, delete the following paragraph.

n  
Enhanced Laminate Performance: Fabricate laminate with AEON™ Enhanced Performance Technology for increased surface wear resistance and surface abrasion.

C. Antimicrobial Protection agents protect the surface from the growth of mold, mildew, and bacteria that cause odors and stains when used for countertops and work surfaces. Wilsonart's Antimicrobial Protection won't wash away or wear off.

D. General Purpose Laminate Product: "Wilsonart® Type 107"

1. Sheet Thickness: 0.048 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade HGS.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

E. Vertical Surface Laminate Product: "Wilsonart® Type 335."

1. Sheet Thickness: 0.028 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grades VGS and VGP.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.

6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.
- F. Postforming Laminate Product: "Wilsonart® Type 350."
1. Sheet Thickness: 0.039 inch nominal.
  2. Laminate Conformance Standard: ISO 4586, Grade HGP.
  3. Color, Pattern, and Finish: [\_\_\_\_\_].
- EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.
4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
  5. Color, Pattern, and Finish: Indicated on Drawings.
  6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

#### 2.04 HIGH DEFINITION® LAMINATES

- A. Product: "Wilsonart® HD® High Definition® Laminate, Type 376."

**EDITING NOTE:** All High Definition® laminates with premium finishes are manufactured with AEON™ Enhanced Performance Technology and Antimicrobial Protection.

- B. Enhanced Laminate Performance: Fabricate laminate with AEON™ Enhanced Performance Technology for increased surface wear resistance and surface abrasion.
- C. Sheet Thickness: 0.039 inch nominal.
- D. Laminate Conformance Standard: ISO 4586, Grade HGP.
- E. Finish: **[Mirage -35] [Glaze -55] [Aligned -57]**
- F. Color and Pattern: [\_\_\_\_\_].

**EDITING NOTE:** If color and pattern are not specified above, delete and select one of the following options.

- G. Color and Pattern: Specified in SCHEDULE Article of this Section.
- H. Color and Pattern: Indicated on Drawings.
- I. Color and Pattern: Selected from manufacturer's full range of available selections.

#### 2.05 SOLICOR™ LAMINATES

- A. Product: "Wilsonart® SOLICOR™ Laminate, Type 160 & Type 161." Color through the core.
- B. Sheet Thickness: 0.048 inch nominal.
- C. Laminate Conformance Standard: ISO 4586.

D. Color, Pattern, and Finish [\_\_\_\_\_].

## 2.06 Wilsonart By You (WxY) LAMINATES

**EDITING NOTE:** “Wilsonart By You” creates a unique sheet of laminate from your digital artwork. Available in a range of sizes and product types, this process enables

A. Product: “Wilsonart By You Laminate.”

**EDITING NOTE:** Not all finishes are available with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.

B. Enhanced Laminate Performance: Laminate with AEON™ Enhanced Performance Technology for increased surface wear resistance and surface abrasion performance.

C. General Purpose Type: [**Silk-Screen Process - “Wilsonart Type 173”**] [**Graphic Image Process - “Wilsonart Type 174”**].

1. Sheet Thickness: 0.048 inch nominal.
2. Laminate Conformance Standard: ISO 4586.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified in the subparagraph above, delete and select one of the following subparagraphs.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

D. Vertical Surface Type: [**Silk-Screen Process - “Wilsonart Type 363”**] [**Graphic Image Process - “Wilsonart Type 364”**].

1. Sheet Thickness: 0.028 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade VGP.

**EDITING NOTE:** If color, pattern, and finish not specified above, delete and select one of the following options.

3. Color, Pattern, and Finish: [\_\_\_\_\_].
4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

E. Postforming Type: [**“Wilsonart® Type 374”**].

1. Sheet Thickness: 0.039 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade HGP.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified in the subparagraph above, delete and select one of the following subparagraphs.



4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

## 2.07 VIRTUAL DESIGN LIBRARY (VDL) LAMINATES

**EDITING NOTE:** Reach beyond the wallboard with Wilsonart's Virtual Design Library. Wilsonart understands that design should not be limited by pegs on a board, links in a chain, or space on a shelf. From photorealistic imagery to abstract and artistic graphics, our online Virtual Design Library offers a growing selection of exclusive laminate patterns to fit your needs. This ever-growing collection offers hundreds of additional designs online.

- A. Product: "Wilsonart® Virtual Design Library Laminate."

**EDITING NOTE:** Not all finishes are available with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.

- B. Enhanced Laminate Performance: Laminate with AEON™ Enhanced Performance Technology for increased surface wear resistance and surface abrasion performance.
- C. Vertical Surface Type: [**Wilsonart® Type 362**] [**Wilsonart® Type 367**].
1. Sheet Thickness: 0.028 inch nominal.
  2. Laminate Conformance Standard: ISO 4586, Grade VGP.
  3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
  5. Color, Pattern, and Finish: Indicated on Drawings.
  6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.
- D. Postforming Type: [**Wilsonart® Type 372**] [**Wilsonart® Type 377**].
1. Sheet Thickness: 0.039 inch nominal.
  2. Laminate Conformance Standard: ISO 4586, Grade HGP.
  3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified in the subparagraph above, delete and select one of the following subparagraphs.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

## 2.08 MARKERBOARD AND CHALKBOARD LAMINATES

**EDITING NOTE:** Select type(s) required for Project.

- A. Markerboard Product: Wilsonart® Markerboard Laminate.

- B. Markerboard Laminate - Horizontal Grade Type: “Wilsonart® Type 156 & Type 336.”
1. Sheet Thickness: Type 156 0.039” inch nominal. Type 336 – 0.028” inch nominal
  2. Conformance Standard: ISO 4586, Type156 Grade HGS & Type 336 Grade VGS
  3. Color and Finish: [ **D354, Designer White, Gloss -09 Finish**] [**1573, Frosty White, Gloss -09 Finish**] [**D381, Fashion Grey, -09 Finish**] [**D498, Island, -09 Finish**] [**D501, Orange Grove, Gloss -09 Finish**] [**D502, Ocean, Gloss -09 Finish**]

**EDITING NOTE:** If color and finish is not specified above, delete and select from one of the following options.

4. Colors: Specified in SCHEDULE Article of this Section.
  5. Colors: Indicated on Drawings.
  6. Colors: Selected from manufacturer's full range of available selections.
- C. Chalkboard Product: Wilsonart® Chalkboard Laminate.
- D. Chalkboard Laminate - Horizontal Grade Type: “Wilsonart® Type 137.”
1. Sheet Thickness: 0.048 inch nominal.
  2. Conformance Standard: ISO 4586, Grade HGS.
  3. Color and Finish: 4623, Graphite Nebula, Fine Velvet Textured Finish -38.

## 2.09 FIRE-RATED DECORATIVE LAMINATES

- A. Product: “Wilsonart® Fire-Rated Laminate.” Manufactured with a fire-retardant-treated kraft phenolic core. Class A rated according to NFPA 101.
- B. General Purpose Type: “Wilsonart® Type 604.”
1. Sheet Thickness: 0.032 inch nominal.
  2. Laminate Conformance Standard: ISO 4586, Grade VGF.
  3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
  5. Color, Pattern, and Finish: Indicated on Drawings.
  6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.
- C. General Purpose Type: “Wilsonart® Type 605.”
1. Sheet Thickness: 0.048 inch nominal.
  2. Laminate Conformance Standard: ISO 4586, Grade HGF.
  3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.

5. Color, Pattern, and Finish: Indicated on Drawings.
  6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.
- D. General Purpose Type: "Wilsonart® Type 607."
1. Sheet Thickness: 0.059 inch nominal.
  2. Laminate Conformance Standard: ISO 4586, Grade SGF.
  3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

## 2.10 COMPACT LAMINATES

**EDITING NOTE:** Compact Laminates are high performance solid composites offering superior impact resistance, fire-rated performance, and chemical/stain resistance.

- A. Product: "Wilsonart® Compact Laminate."
- B. "Wilsonart® Classic Grade": Self-supporting homogenous panels finished with melamine surface. Impact-resistant design.

**EDITING NOTE:** Types 114 and 117 are sanded one side; remainders are double-faced.

1. Product Type and Nominal Thickness: **[Type 114; 0.100 inch] [Type 514; 0.100 inch] [Type 117; 0.118 inch] [Type 515; 0.125 inch] [Type 569; 0.250 inch] [Type 571; 0.312 inch] [Type 572; 0.375 inch] [Type 568; 0.500 inch] [Type 575; 0.750 inch] [Type 590; 1.00 inch]**.
2. Laminate Conformance Standard: ISO 4586, Grade CGS.
3. Finish: Matte -60.

**EDITING NOTE:** If color and pattern selections are not specified above, delete and select from one of the following options.

4. Color and Pattern: [\_\_\_\_\_].
5. Color and Pattern: Specified in SCHEDULE Article of this Section.
6. Color and Pattern: Indicated on Drawings.
7. Color and Pattern: Selected from manufacturer's full range of available selections.

- C. "Wilsonart® Fire-Rated Grade": For applications where fire-rated properties are required. Double-faced. Class A rated according to NFPA 101.

1. Product Type and Nominal Thickness: **[Type 669; 0.250 inch] [Type 671; 0.312 inch] [Type 672; 0.375 inch] [Type 668; 0.500 inch] [Type 675; 0.750 inch] [Type 690; 1.00 inch]**.
2. Laminate Conformance Standard: ISO 4586, Grade CGS.
3. Finish: Matte -60 & Traceless -31
4. Color and Pattern: [\_\_\_\_\_].

**EDITING NOTE:** If color and pattern selections are not specified above, delete and select from one of the following options.

5. Color and Pattern: Specified in SCHEDULE Article of this Section.
  6. Color and Pattern: Indicated on Drawings.
  7. Color and Pattern: Selected from manufacturer's full range of available selections.
- D. "Wilsonart® Laboratory Grade": For applications requiring high degree of chemical and stain resistance. Double-faced.
1. Product Type and Nominal Thickness: **[569-95; 0.250 inch] [571-95; 0.312 inch] [572-95; 0.375 inch] [568-95; 0.500 inch] [575-95; 0.750 inch] [590-95; 1.00 inch]**.
  2. Laminate Conformance Standard: ISO 4586, Grade CGS.
  3. Finish: Matte -95.
  4. Color and Pattern: [\_\_\_\_\_].

**EDITING NOTE:** If color and pattern selections are not specified above, delete and select from one of the following options.

5. Color and Pattern: Specified in SCHEDULE Article of this Section.
  6. Color and Pattern: Indicated on Drawings.
  7. Color and Pattern: Selected from manufacturer's full range of available selections.
- E. "Wilsonart Traceless Compact Grade": For applications requiring fingerprint resistant surfaces.
1. Product Type and nominal thickness: **[569-31; 0.250 inch] [572-31; 0.375 inch] [568-31; 0.500 inch] [575-31; 0.750 inch] [590-31; 1.00 inch]**.  
Laminate Conformance Standard: ISO 4586, Grade CGS.
  2. Finish: Traceless Finish – 31.
  3. Color and Pattern: [\_\_\_\_\_].

**EDITING NOTE:** If color and pattern selections are not specified above, delete and select from one of the following options.

4. Color and Pattern: Specified in SCHEDULE Article of this Section.
5. Color and Pattern: Indicated on Drawings.
6. Color and Pattern: Selected from manufacturer's full range of available selections.

## 2.11 CHEMICAL-RESISTANT DECORATIVE LAMINATES

- A. Product: "Wilsonart® Chemsurf® Chemical-Resistant Laminate."
- B. Post-Forming Type: "Wilsonart® Type 390".
1. Sheet thickness: 0.034 inch nominal.
  2. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

3. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
4. Color, Pattern, and Finish: Indicated on Drawings.

5. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

## 2.12 HIGH WEAR DECORATIVE LAMINATES

- A. Product: "Wilsonart® High Wear Laminate."

**EDITING NOTE:** High Wear Types 107HW, 335HW, and 350HW are available as specified herein.

- B. General Purpose Laminate: "Wilsonart® Type 107HW."

1. Sheet Thickness: 0.048 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade HGS.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

- C. Vertical Surface Laminate: "Wilsonart® Type 335HW."

1. Sheet Thickness: 0.028 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grades VGS and VGP.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

- D. Postforming Laminate: "Wilsonart Type® 350HW."

1. Sheet Thickness: 0.039 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade HGP.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

## 2.13 CABINET LINERS

- A. Product: "Wilsonart® Cabinet Liner Sheets."

**EDITING NOTE:** Cabinet Liner Types 101, 182, and 184 are available as specified herein.

- B. Cabinet Liner Laminate: "Wilsonart® Type 101."

1. Sheet Thickness: 0.020 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade CLS.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

- C. Cabinet Liner Laminate: "Wilsonart® Type 182."

1. Sheet Thickness: 0.020 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade CLS.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

- D. Cabinet Liner Laminate: "Wilsonart® Type 184."

1. Sheet Thickness: 0.024 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade CLS.
3. Color, Pattern, and Finish: [\_\_\_\_\_].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

## 2.14 PHENOLIC BACKER SHEETS

- A. Product: "Wilsonart® Phenolic Backer Sheets."

**EDITING NOTE:** Several types, thicknesses, and weights are available for non-fire-rated backer sheets. Refer to the Phenolic Backer Sheet Technical Data Sheet on Wilsonart website to review complete list of choices, including the ISO 4586 Grade designation.

- B. Non-Fire-Rated Backer Sheet: "Wilsonart® Type [\_\_\_\_\_]."

1. Sheet Thickness: [ \_\_\_\_\_ ] inch nominal.
2. Laminate Conformance Standard: ISO 4586.
3. Color, Pattern, and Finish: [ \_\_\_\_\_ ].

**EDITING NOTE:** If color, pattern, and finish are not specified above, delete and select one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
  5. Color, Pattern, and Finish: Indicated on Drawings.
  6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.
- C. Fire-Rated Backer Sheet: "Wilsonart® Type 264-FR." Use in conjunction with "Wilsonart® Type 604 Fire-Rated Laminate." Class A rated according to NFPA 101.

1. Sheet Thickness: 0.030 inch nominal.
2. Laminate Conformance Standard: ISO 4586, Grade BKV.
3. Color: Brown (natural color).

- D. Fire-Rated Backer Sheet: "Wilsonart® Type 266-FR." Use in conjunction with ["Wilsonart® Type 605 Fire-Rated Laminate"] ["Wilsonart® Type 607 Fire-Rated Laminate"].

Class A rated according to NFPA 101.

4. Sheet Thickness: 0.050 inch nominal.
5. Laminate Conformance Standard: ISO 4586, Grade BKH.
6. Color: Brown (natural color).

## 2.15 DECORATIVE EDGES AND EDGE BANDS

- A. Decorative Edge Products: "Wilsonart® Decorative Edges."

**EDITING NOTE:** Select from the following edge designs.

1. Beveled Edge, [FE Profile.] [SE Profile.]
2. Crescent Edge, [FE Profile.] [SE Profile.]
3. Color, Pattern, and Finish: [ \_\_\_\_\_ ].

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

- B. Edgeband Products: "Wilsonart® Edgeband."

1. Composition: ABS/PVC extruded fabrication.
2. Width: [15/16 inch] [1-5/16 inch].
3. Thickness: Refer to Tech Data Sheet.
4. Color, Pattern, and Finish: [ \_\_\_\_\_ ].

**EDITING NOTE:** If color, pattern, and finish selections are not specified above, delete and select from one of the following options.

5. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
6. Color, Pattern, and Finish: Indicated on Drawings.
7. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

#### 2.16. Traceless™ Laminates

1. Sheet Thickness: 0.039" ± 0.005" inch nominal
2. Laminate Conformance Standard: ISO 4586, Grade HGP
3. Color, Pattern, and Finish: [ \_\_\_\_\_ ]
  
4. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
5. Color, Pattern, and Finish: Indicated on Drawings.
6. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

#### 2.17. Adhesives

**EDITING NOTE:** Following contact adhesives are UL GREENGUARD Gold Certified, quality for LEED points, and comply with referenced SCAQMD and OTC regulations. For the complete line of Wilsonart® Contact adhesives, refer to the **Adhesives** product link on the Wilsonart website.

##### A. Contact Adhesive:

1. Product: "Wilsonart® 1730/1731 Low VOC Contact Adhesive."
2. Description: High solids, low VOC contact adhesive for non-postforming applications.

##### B. Contact Adhesive, Water-Based:

1. Product: "Wilsonart® H20."
2. Description: Non-flammable low VOC water-based contact adhesive for postforming applications.

**EDITING NOTE:** All PVA adhesives are UL GREENGUARD Gold Certified, qualify for LEED points, and comply with referenced SCAQMD and OTC regulations. Refer to the **Adhesives** product link on the Wilsonart website for complete list of adhesives.

##### C. Polyvinyl Acetate (PVA) Adhesive:

1. Product: "Wilsonart® PVA Adhesive."
2. Description: PVA-based adhesives for bonding decorative laminate to wood substrates. Acceptable for cold press, hot press, and postforming applications.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

**EDITING NOTE:** Acceptable substrates for bonding Wilsonart® Laminates are particleboard, medium density fiberboard, and plywood with one A face. Marginal substrates are steel, aluminum, fiber reinforced plastic, and plywood without A faces. Unsuitable substrates are high pressure laminate, plaster, concrete, and gypsum board.



- A. Examine surfaces for conditions that could adversely affect the performance of the decorative plastic laminate installation, including edge performance.
- B. Surfaces to be adhesively bonded shall be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.
- C. Commencement of work will constitute acceptance of existing conditions and surfaces to receive the work.

### **3.02 INSTALLATION, GENERAL**

- A. Install materials according to referenced Specification Sections and the following conformance standards as applicable:
  - 1. AWI AWS.
  - 2. KCMA A161.1.
- B. To avoid stress cracking, do not use square-cut inside corners. All inside corners to have a minimum 1/8 inch radius and all edges routed smooth.
- C. Drill oversized holes for screws, bolts, and similar fasteners. Slightly countersink fasteners into face side of laminate-clad substrate.
- D. Use carbide-tipped saw and router blades for cutting, with high tool speed and low feed speed. Keep cutting blades sharp. Use appropriate hold-downs to prevent vibration.

### **3.03 ADHESIVE SPRAY APPLICATIONS**

- A. Comply with adhesive manufacturer's printed installation instructions.
- B. Apply contact adhesive uniformly to both surfaces and with a minimum 80 percent coverage for each surface. Apply PVA adhesive to one side with a minimum 80 percent coverage.
- C. Apply two coats of adhesive to porous surfaces. Provide 100 percent coverage for edges.
- D. Apply uniform downward pressure (30 to 40 psi minimum) across the entire bonded surface.

### **3.04 ADHESIVE BRUSH APPLICATIONS**

- A. Comply with adhesive manufacturer's printed installation instructions.
- B. Apply contact adhesive uniformly to both surfaces with a brush or solvent-resistant medium nap roller; cover each surface 100 percent. Apply PVA adhesive to one side, for 100 percent coverage.
- C. Provide two coats of adhesive on porous surfaces. Double coat edges.
- D. Apply uniform downward pressure (30 to 40 psi minimum) across the entire bonded surface.

### **3.05 CLEANING AND PROTECTION**

- A. Clean decorative plastic laminate according to manufacturer's printed care and

- maintenance instructions.
- B. Protect installed products and finish surfaces from damage during remainder of construction period.

### 3.06 SCHEDULE

**OPTION:** Color, Pattern, and Finish Schedule may be inserted here if this option is chosen.

**END OF SECTION 06 0620**