PART 1 - GENERAL

1.01 SECTION INCLUDES

EDITING NOTE: Revise listing to suit Project requirements.

- Vertical Surface Decorative Laminates.
- High Definition Laminates.
- Virtual Design Library Laminates.
- Wilsonart x You Laminates.
- Decorative Edges and Edgebands.
- Accessory Materials.

1.02 RELATED REQUIREMENTS

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

- Section 01 3000 - Submittals.
- Section 06 0620 - Decorative Plastic Laminate.
- Section 06 4116 - Plastic-Laminate-Clad Architectural Cabinets.
D. Section 06 4219 - Plastic-Laminate-Clad Wood Paneling.
E. Section 08 1423.16 - Plastic-Laminate-Faced Wood Doors.
F. Section 10 2113.16 - Plastic-Laminate-Clad Toilet Compartments.
G. Section 12 3530.13 - Kitchen Casework.

1.03 REFERENCES

A. Reference Standards:

1. AWI: Architectural Woodwork Institute.
2. AWS: Architectural Woodwork Standards.
8. LEED: Leadership in Energy and Environmental Design.
9. NEMA LD-3: High Pressure Decorative Laminates.
13. SCS: SCS Global Services.

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.

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

EDIING NOTE: Following two LEED paragraphs list potential credits according to LEED 2009 for New Construction & Major Renovations (LEED-NC) 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.
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 [ ].


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 plastic laminate sheet materials flat on pallets or similar rack-type storage to preclude damage; adhesive side facing down.

B. Disposal of Waste Materials: Dispose of waste cleaner, empty containers, and cleaner-soaked rags according to governing regulations and authorities having jurisdiction. Do not permit waste materials at any time to enter sewers or any body of water, or contact ground surfaces.

### 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 50 percent relative humidity.

1. Do not apply plastic laminate if the laminate surface temperature or application substrate temperature is below 50 deg F (10 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

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 backsanded 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.

2.03 VERTICAL SURFACE LAMINATES

A. Product: “Wilsonart® RE-COVER™ Laminate Type 735.”

1. Sheet Thickness: 0.032 inch nominal.
2. Sheet Width: 48 inches.
3. Laminate Conformance Standard: NEMA LD 3, Grade VGS.
4. Applications: Vertical surfaces only. [For radiused applications, a minimum radius of 7 inches is required.]
6. Color, Pattern, and Finish: [__________________________].

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

7. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
9. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.
2.04 VIRTUAL DESIGN LIBRARY (VDL) LAMINATES

**EDITING NOTE:** Reach beyond the wallboard with Wilsonart’s Virtual Design Library. From photorealistic imagery to abstract and artistic graphics, our expanded design library offers a growing selection of exclusive laminate patterns to fit your needs. This ever-growing online collection offers hundreds of additional designs.


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


C. Vertical Surface Type: [“Wilsonart Type 762”] [“Wilsonart Type 767”].

1. Sheet Thickness: 0.032 inch nominal.
2. Sheet Width: 48 inches.
3. Laminate Conformance Standard: NEMA LD 3, Grade VGP.
4. Applications: Vertical surfaces only.
6. Color, Pattern, and Finish: [______________].

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

7. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
9. Color, Pattern, and Finish: Selected from manufacturer’s full range of available selections.

2.05 WILSONART x YOU (WxY) LAMINATES

**EDITING NOTE:** “Wilsonart x You” creates a unique sheet of laminate from your digital artwork. Available in a range of sizes and product types, this process enables designers to create a custom laminate with no minimum order. For file formats and other specifications, visit us online.

A. Product: “Wilsonart® x You Laminate.”

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


C. Vertical Surface Type: [“Wilsonart Type 764”].

1. Sheet Thickness: 0.032 inch nominal.
2. Sheet Width: 48 inches.
3. Laminate Conformance Standard: NEMA LD 3, Grade VGP.
4. Applications: Vertical surfaces only.
6. Color, Pattern, and Finish: [______________________].

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

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

### 2.06 HORIZONTAL HIGH DEFINITION LAMINATES

A. Product: "Wilsonart® RE-COVER™ HD® High Definition® Laminate, Type 776."

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


C. Sheet Thickness: 0.043 inch nominal.

D. Sheet Width: 48 inches.

D. Laminate Conformance Standard: NEMA LD 3, Grade HGL.

**EDITING NOTE:** Wilsonart RE-COVER Laminate is NOT recommended for kitchen countertops adjacent to ranges or surface cooktops where temperatures may exceed 150 deg F (66 deg C). Suitable installations are kitchen islands, bath vanities, and utility/work rooms.

E. Applications: Horizontal postformed surfaces.

F. Edging: Self-edged.

G. Finish: [Mirage -35] [Facet -45] [Glaze -55].

H. Color and Pattern: [______________________].

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

I. Color and Pattern: Specified in SCHEDULE Article of this Section.

J. Color and Pattern: Indicated on Drawings.

K. Color and Pattern: Selected from manufacturer's full range of available selections.
2.07 ACCESSORY MATERIALS

A. Substrate Repair Materials: Following products are acceptable for repairing damaged high pressure decorative laminate or wood substrates:

2. Elmer’s® Carpenter’s® Wood Filler.
3. Bondo® All-Purpose Putty.

B. Substrate Cleaning Materials: Following products are acceptable; do not use a cleaner that will leave an oily residue and do not use to thin adhesive products:

1. Wilsonart® 110 Adhesive Solvent.
2. Wilsonart® 121 Adhesive Cleaner.
3. Wilsonart® 130 Low VOC Adhesive Solvent.
4. Wilsonart® 131 Adhesive Cleaner. OTC compliant.
5. Wilsonart® 131A Adhesive Cleaner Aerosol. OTC compliant.
6. Windex® with ammonia.
7. Non-proprietary acetone, isopropyl alcohol, or denatured alcohol cleaning material.


PART 3 - EXECUTION

3.01 EXAMINATION

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 PREPARATION

A. Substrate Repairs: Restore damaged substrates with specified repair materials. Sand and clean all repaired areas prior to applying resurfacing laminate.

1. If bonding to a painted, stained, or varnished wood or wood veneer substrate, sand surface smooth with #80 or #100 grit sandpaper. Remove all dust with a damp cloth. Allow to thoroughly dry.
2. If bonding a flat self-edge to an exposed substrate edge, the bonding surface will require a skim coat of the specified substrate material.

B. Substrate Cleaning: Substrates to receive resurfacing laminate must be clean and free of residue. Use one of the specified cleaning materials and allow proper dry time.

### 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. Blades must cut into non-decorative side of laminate (adhesive side).

### 3.03 RESURFACING LAMINATE INSTALLATION

A. Comply with resurfacing laminate manufacturer’s printed installation instructions.

B. Prior to installation, and before removing peel sheet that covers laminate adhesive, dry fit laminate to substrate. After peel sheet is removed, apply uniform bonding pressure (30 to 40 psi minimum) over the entire bonded surface, using an approved roller.

1. Resurfacing laminate is NOT repositionable. Any attempts to reposition the laminate will result in inadequate bonding.

C. Where self-edging is required, comply with resurfacing laminate manufacturer’s printed installation instructions, including recommended adhesive.

### 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 0630