PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 and 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Solid-surface-material countertops and backsplashes.

B. Related Sections:
   1. Section 018113 “Sustainable Design Requirements.”
   2. Section 064115 "Architectural Woodwork" for cabinet bases.

1.3 ACTION SUBMITTALS

A. Product Data: For countertop materials.

B. LEED Submittals: Refer to Section 018113 “Sustainable Design Requirements” for additional submittal requirements.

C. Shop Drawings: For countertops. Show materials, finishes, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.

D. Samples for Initial Selection: For each type of material exposed to view.

1.4 PROJECT CONDITIONS

A. Field Measurements: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete.

1.5 COORDINATION

A. Coordinate locations of utilities that will penetrate countertops or backsplashes.

1.6 REFERENCES

A. Minimum standards for work in this section shall be in conformity with the “Architectural Woodwork Standards (AWS), latest edition, published jointly by the Architectural Woodwork Institute, the Architectural Woodwork Manufacturer’s Association of Canada, and the Woodwork Institute. The “Architectural Woodwork Standards” are hereafter referred to as the AWS.

1.7 QUALITY ASSURANCE

A. Fabricator Qualifications: Certified shop that employs skilled workers who custom-fabricate solid surface products similar to those required for this Project and whose products have a record of successful in-service performance. Shop shall be a licensee of WI's Certified Compliance Program. Shop shall have not less than 5 years of production experience similar to this Project whose qualifications indicate the ability to comply with the requirements of this Section.

B. Installer Qualifications: Licensee of WI's Certified Compliance.

C. Quality Standard: Unless otherwise indicated, comply with “Architectural Woodwork Standards” for grades of interior architectural woodwork indicated for construction, finishes, installation, and other requirements.
   1. Before delivery to the jobsite the supplier shall provide a Woodwork Institute Certified Compliance Certificate indicating the millwork products being supplied and Certifying that these products fully meet the requirements of the Grade or Grades specified.
   2. Each solid surface top shall bear a Woodwork Institute Certified Compliance Label.
   3. At completion of installation the installer shall provide a Woodwork Institute Certified Compliance Certificate indicating the products installed, and Certifying that the installation of these products fully meets the requirements of the Grade or Grades specified.
   4. All fees charged by the Woodwork Institute for their Certified Compliance program are the responsibility of the manufacturer and/or installer and shall be included in their bid.
   5. The Contract Documents contain selections chosen from options in the quality standard and additional requirements beyond those of the quality standard. Comply with such selections and requirements in addition to the quality standard.

D. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
   1. Build mockups of solid surface countertops as part of architectural wood casework mockup as part of Section 064000 “Architectural Woodwork.”
   2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOLID-SURFACE-MATERIAL COUNTERTOPS

A. Source Limitations: Obtain solid-surface countertops from single source from single manufacturer.

B. Countertops: 3/4-inch thick, solid surface material with front mitered apron of same material.

C. Backsplashes and Endsplashes: 1/2-inch**-** thick, solid surface material, where indicated on Drawings.
   1. Backsplash: Straight, slightly eased at corner.
   2. Endsplash: Matching backsplash, unless noted otherwise.

D. Fabrication: Fabricate tops in one piece with shop-applied edges and backsplashes unless otherwise indicated. Comply with solid-surface-material manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.

2.2 COUNTERTOP MATERIALS

A. Solid Surface Material: As indicated on Material Finish Schedule on Drawings.

B. Certified Wood Materials: Fabricate countertops with wood and wood-based products produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."

C. Particleboard: ANSI A208.1, Grade M-2-Exterior Glue, made with binder containing no urea formaldehyde.

D. Plywood: Exterior softwood plywood complying with DOC PS 1, Grade C-C Plugged, touch sanded.

E. Adhesives: Adhesives shall not contain urea formaldehyde complying with current local air quality management district and CalGreen VOC requirements.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install countertops level to a tolerance of 1/8 inch in 8 feet.

B. Fasten countertops by screwing through corner blocks of base units into underside of countertop. Pre-drill holes for screws as recommended by manufacturer. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
   1. Install backsplashes and endsplashes to comply with manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
   2. Seal edges of cutouts in particleboard subtops by saturating with varnish.

END OF SECTION