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**SECTION 06 61 13**

**SIMULATED STONE (NATURAL QUARTZ AND RESIN) FABRICATIONS**

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Corian® Quartz (formerly known as Zodiac®) manufactured by DuPont, (E. I. du Pont de Nemours and Company), Chestnut Run Plaza 735, 974 Centre Road, P.O. Box 2915, Wilmington, DE 19805, Toll-Free: (800) 426-7426, Web site: [www.corianquartz.com](http://www.corianquartz.com); [www-surfaces.dupont.com](http://www-surfaces.dupont.com)

*Note: The purpose of this product guide specification is to assist the Specifier in specifying Corian® Quartz (formerly known as DuPont™ Zodiac® Quartz Surface). Refer to Corian® Design (800-426-7426) and/or Zodiac® Technical Bulletins for additional information. Use this guide specification for interfacing with architectural millwork and/or trim components. Corian® Quartz is fabricated like granite.*

*Design Professionals or Architects need to review Sections and edit to fit the needs of the project and local building code(s). Throughout the guide specification, there are Specifier Notes in blue to assist in the editing of the file. User input areas are enclosed within brackets, [ \_\_\_\_\_ ].*

*This product guide specification is written in accordance with the Construction Specifications Institute (CSI) current versions Masterformat®, SectionFormat™ and PageFormat™. References are in accordance with the 2014 Revision of Masterformat®. The Specifier needs to coordinate numbers and titles with sections included for the project.*

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**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
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**1.02 THIS SECTION INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING HORIZONTAL AND TRIM QUARTZ SURFACING PRODUCT TYPES:**

1. Countertops
2. Countertops with integrated sinks and lavatory bowls
3. Countertops with undermount sinks and lavatory bowls
4. Countertops with drop-in sinks and lavatory bowls
5. Reception areas
6. Nurses stations
7. Vanity tops
8. Tabletops
9. Bar tops
10. Cold cafeteria surfaces
11. Hot cafeteria surfaces
12. [\_\_\_\_\_]
13. Other interior counter or surfacing applications as shown on drawings

**1.03 RELATED REQUIREMENTS**

- A. Section 01 81 13 – Sustainable Design Requirements for additional LEED requirements
- B. Section 06 10 00 – Rough Carpentry
- C. Section 06 61 13 – Simulated Stone Fabrications
- D. Section 06 61 16 – Solid Surfacing Fabrications
- E. Section 07 92 00 – Joint Sealants
- F. Section 11 42 16 – Food Preparation Surfaces
- G. Section 12 30 00 – Casework
- H. Section 12 36 61 – Simulated Stone Countertops
- I. Section 12 36 61.16 – Solid Surfacing Countertops
- J. Section 12 36 61.19 – Quartz Agglomerate Countertops
- K. Section 22 00 00 – Plumbing
- L. Section 26 27 26 – Wiring Devices

**1.04 REFERENCES**

- A. CSA B45/IAPMO ANSI Z124 (previously ANSI Z124.6 – Plastic Sinks).
  1. CSA B45/IAPMO ANSI Z124 Section 5.7.1.3 – Point Impact tests.
- B. ASTM C170 – Standard Test Method for Compressive Strength of Dimension Stone.
- C. ASTM C370 – Standard Test Method for Moisture Expansion of Fired Whiteware Products.
- D. ASTM C373 – Standard Test Method for Water Absorption, Bulk Density, Apparent Porosity, and Apparent Specific Gravity of Fired Whiteware Products, Ceramic Tiles, and Glass Tiles.
- E. ASTM C501 – Standard Test Method for Relative Resistance to Wear of Unglazed Ceramic Tile by the Taber Abraser.
- F. ASTM C1026 – Standard Test Method for Measuring the Resistance of Ceramic Tile to Freeze-Thaw Cycling.

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- G. ASTM C1028 – Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method.
  - H. ASTM D570 – Standard Test Method for Water Absorption of Plastics.
  - I. ASTM D696 – Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer.
  - J. ASTM D790 – Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
  - K. ASTM D792 – Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.
  - L. ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials.
  - M. ASTM G21 – Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
  - N. ASTM G22 – Standard Practice for Determining Resistance of Plastics to Bacteria.
  - O. CSA B45.5-11/IAPMO Z124-2011 – Plastic Plumbing Fixtures.
  - P. NEMA LD 3 – High Pressure Decorative Laminates.
    - 1. NEMA LD 3-3.3 – Light Resistance.
    - 2. NEMA LD 3-3.5 – Boiling Water Resistance.
    - 3. NEMA LD 3-3.6 – High Temperature Resistance.
    - 4. NEMA LD 3-3.8 – Ball Impact Resistance.
  - Q. NFPA (National Fire Protection Association) - NFPA 101®, Life Safety Code®.
  - R. NFPA 255 – Standard Method of Test of Surface Burning Characteristics of Building Materials.
  - S. ISO (International Organization for Standardization) - ISO 14001 – Environmental Management Systems.
  - T. UL (Underwriters Laboratories) - UL 723 – Standard Test Method for Surface Burning Characteristics of Building Materials.
  - U. ULC (Underwriters Laboratories of Canada) – ULC/CAN-S102 – Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.
  - V. NSF (NSF International) NSF/ANSI Standard 51 – Food Equipment Materials.
  - W. New York City Construction Codes, Office of Technical Certification and Research, MEA (Materials and Equipment Acceptance), <http://www1.nyc.gov/>.
  - X. UL Environment/GREENGUARD - UL 2818 – Standard for Chemical Emissions for Building Materials, Finishes and Furnishings, Section 7.1.
  - Y. UL Environment/GREENGUARD - UL 2818 – Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings, Section 7.1 and 7.2.
  - Z. UL 2824 – GREENGUARD Certification Program, Method For Measuring Microbial Resistance From Various Sources Using Static Environmental Chambers.
  - AA. SCAQMD (South Coast Air Quality Management District) VOC (Volatile Organic Content) Rule 1168 for Adhesive and Sealant Applications
  - BB. Star-K Kosher Certification ([www.star-k.org](http://www.star-k.org)).

### **1.05 SUBMITTALS**

- A. Submit product data for each type of product indicated.
  - 1. Submit manufacturer’s product data on material characteristics, performance properties, fabrication instructions, installation instructions and maintenance instructions.

B. Shop drawings:

1. Show location of each item; provide complete detailed and dimensioned plans and elevations, large-scale details, attachment devices and other components.
  - a. Show the following:
    - 1) Full-size details, edge details, attachments, etc.
    - 2) Locations and sizes of furring, blocking, including concealed blocking and reinforcement specified in other Sections.
    - 3) Fabrication details for brackets.
    - 4) Locations and sizes of cutouts and holes for plumbing fixtures, faucets, soap dispensers, waste receptacle and other items installed in quartz surface.
    - 5) Locations and sizes of cutouts for sink installation and lavatory installation.
    - 6) Type of sealant.
    - 7) Type of adhesive.
    - 8) Seam locations.

C. Samples:

1. For each type of product indicated:
  - a. Submit minimum 2-inch-by-2-inch sample in specified color. For viewing pattern or veining, submit minimum 4-inch-by-4-inch samples.
  - b. Cut sample and seam together for representation of seaming techniques.
  - c. Indicate full range of color and pattern variation.
  - d. Approved samples will be retained as a standard for work.

D. Product data:

1. Indicate product description, fabrication information and compliance with specified performance requirements.

E. Sustainable Design Reporting:

1. Provide documentation from manufacturer of the amounts of pre-consumer and/or post-consumer recycled content for products.
2. Provide documentation from manufacturer showing manufacturing locations for products manufactured and sourced within 500 miles of project site.
3. Provide documentation from manufacturer that products meet or exceed emissions guidelines for volatile organic compounds (VOCs).
4. Provide documentation from manufacturer indicating that adhesives and sealants applied on project site meet or exceed emissions guidelines for volatile organic compounds (VOCs) and comply with SCAQMD Rule #1168.

F. LEED Submittals:

1. LEED<sup>®</sup> 2009, Credits MR Credit 4 – Recycled Content.
  - a. Provide documentation for cost of products having recycled content indicating percentages by weight of post-consumer plus 1/2 of pre-consumer content.
2. LEED<sup>®</sup> 2009, Credits MR Credit 5 – Regional Materials.
  - a. Provide documentation showing manufacturing locations and origins of materials for products manufactured and sourced within 500 miles of project location. The point of manufacture is place of final assembly of components. Provide documentation for cost of materials or products that have been extracted, harvested or recovered and regionally manufactured within 500 miles of the project site.

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3. LEED® 2009, Credits MR Credit 4.1– Low-Emitting Materials – Adhesives and Sealants,
    - a. Provide documentation from manufacturers indicating that adhesives and sealants applied on project site meet or exceed emissions guidelines for volatile organic compounds (VOCs) and comply with SCAQMD Rule #1168.
  4. LEED® NC v4, EQ: Indoor Environmental Quality, EQ Credit: Low-Emitting Materials.
    - a. Provide documentation from manufacturers that products meet or exceed emissions guidelines for volatile organic compounds (VOCs).
    - b. Provide documentation from manufacturers that adhesives and sealants meet or exceed emissions guidelines for volatile organic compounds (VOCs) and comply with SCAQMD Rule #1168.
  5. LEED® NC v4, MR Credit: Building Product Disclosure and Optimization - Material Ingredients.
    - a. Option 1. Material Ingredient Reporting.
      - 1) Provide manufacturer’s HPD (Health Product Declaration).
  6. LEED® NC v4, MR Credit: Building Product Disclosure and Optimization - Sourcing of Raw Materials.
    - a. Option 1. Raw Material Source and Extraction Reporting.
      - 1) Provide manufacturer’s CSR (Corporate Sustainability Report)
    - b. Option 2. Leadership Extraction Practices.
      - 1) Provide documentation from manufacturer of the amounts of pre-consumer and post-consumer recycled content for products specified.
  7. LEED® NC v4, MR Credit: Building Product Disclosure and Optimization.
    - a. Option 1. Environmental Product Declaration (EPD)
      - 1) Provide manufacturer’s EPD (Environmental Product Declaration)
  - G. Fabricator/installer qualifications:
    1. Provide copy of certification number.
  - H. Certificates: Certify that products meet or exceed requirements.
    1. UL Environment– GREENGUARD and GREENGUARD Gold, current low emitting VOC certification of quartz surface and solid surface products.
    2. UL Environment– GREENGUARD and GREENGUARD Gold, current low emitting VOC certification for manufacturer’s recommended adhesive and/or sealant.
    3. UL Environment – Mold Resistance Certification in accordance with UL 2824.
  - I. Fire test response characteristics:
    1. United States – Provide Class A surface burning characteristics as determined by testing products per UL 723 (ASTM E 84, NFPA 255) or another testing and inspecting agency acceptable to authorities having jurisdiction.
      - a. Flame Spread Index: 25 or less.
      - b. Smoke Developed Index: 450 or less.
    2. Canada – Provide with surface burning characteristics as determined by testing products by UL Canada per ULC S102 or another testing and inspecting agency acceptable to authorities having jurisdiction.
  - J. Maintenance data:
    1. Submit manufacturer’s care and maintenance data.
    2. Include in project closeout documents.

## **1.06 QUALITY ASSURANCE**

- A. Qualifications:
  - a. Shop employs skilled workers who custom fabricate products similar to those required for this project and whose products have a record of successful in-service performance.
- B. Fabricator/installer qualifications:
  - 1. Work of this section shall be by a certified fabricator/installer, certified in writing by the manufacturer or designated representative.
- C. Allowable tolerances:
  - 1. Variation in component size:  $\pm 1/8$  inch (3 mm) over a 10 foot length.
  - 2. Location of openings:  $\pm 1/8$  inch (3 mm) from indicated location.
  - 3. Minimum of  $1/16$  inch and a maximum of  $1/8$  inch (3 mm) clearance between quartz surfaces and each wall.
- D. Coordination drawings:
  - 1. Shall be prepared indicating:
    - a. Plumbing work.
    - b. Electrical work.
    - c. Miscellaneous steel for the general work.
    - d. Indicate location of all walls (rated and non-rated), blocking locations and recessed wall items, etc.
  - 2. Content:
    - a. Project-specific information, drawn accurately to scale.
    - b. Do not base coordination drawings on reproductions of the contract documents or standard printed data.
    - c. Indicate dimensions shown on the contract drawings and make specific note of dimensions that appear to be in conflict with submitted equipment and minimum clearance requirements.
    - d. Provide alternate sketches to designer for resolution of such conflicts.
      - 1) Minor dimension changes and difficult installations will not be considered changes to the contract.
  - 3. Drawings shall:
    - a. Be produced in  $1/2$  inch scale for all fabricated items.
  - 4. Drawings must be complete and submitted to the architect within 60 days after award of contract for record only.
    - a. No review or approval will be forthcoming.
    - b. Coordination drawings are required for the benefit of contractor's fabricators/installers as an aid to coordination of their work to eliminate or reduce conflicts that may arise during the installation of their work.
- E. Job mock-up:
  - 1. Prior to fabrication of architectural millwork, erect sample unit to further verify selections made under sample submittals and to demonstrate the quality of materials and execution.
  - 2. Mock-up shall be [\_\_\_\_\_].
  - 3. Build the mock-up to comply with the contract documents and install in a location as directed by the architect.

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4. Notify the architect two weeks in advance of the date of when the mock-up will be delivered.
  5. Should mock-up not be approved, re-fabricate and reinstall until approval is secured.
  6. Remove rejected units from project site.
  7. Mock-up, once approved, may become a part of the project and serve as a standard for judging quality of all completed units of work.
- F. Pre-installation conference:
1. Conduct conference at project site to comply with requirements in Division 1.

### **1.07 DELIVERY, STORAGE AND HANDLING**

- A. Deliver no components to project site until areas are ready for installation.
- B. Store components indoors in clean and dry area prior to installation.
- C. Handle materials to prevent damage to finished surfaces.
- D. Follow manufacturer's safe handling and storage recommendations.
- E. Provide protective coverings to prevent physical damage or staining following installation for duration of project.

### **1.08 WARRANTY**

- A. Provide manufacturer's 10-year warranty.
- B. Damage caused by physical or chemical abuse or damage from excessive heat will not be warranted.

### **1.09 MAINTENANCE**

- A. Provide maintenance requirements as specified by the manufacturer.

## **PART 2 - PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Contract Documents are based on products manufactured by DuPont (E. I. du Pont de Nemours and Company). Provide Corian® Quartz, formerly known as Zodiac® (basis of design) subject to compliance with the requirements.
  - a. Address: Corian® Design, Corian® Quartz, Chestnut Run Plaza 735, 974 Centre Road, P.O. Box 2915, Wilmington, DE 19805.
  - b. Phone: (800) 426-7426.
  - c. Website: [www-surfaces.dupont.com](http://www-surfaces.dupont.com); [www.corianquartz.com](http://www.corianquartz.com).
  - d. Subject to compliance with the requirements, provide the following product: quartz surface from Corian® Design (basis of design).
- B. Substitutions: Not permitted.

### **2.02 MATERIALS**

- A. Material:
  1. Corian® Quartz material composed of ~93 % natural quartz with pigments and resin.
  2. Corian® Quartz Terra Collection product composed of pre-consumer and/or post-consumer glass, natural quartz, pigments and resin.
  3. Material shall have minimum physical and performance properties as specified.



B. Thickness:

- 1. 2 cm (3/4 inch).
- 2. 3 cm (1-1/8 inch).

C. Edge treatment:

- 1. Exposed Edge
  - a.
  - b.
  - c.
  - d. As indicated.
- 2. Appliance Edge.
  - a. Finished.
  - b. Not Finished.

D. Seam width:

- 1. 1/16 inch nominal unless otherwise specified.

E. Sink mounting:

- 1. Integrated.
- 2. Undermount.
- 3. Drop in.

F. Backsplash:

- 1. Applied.

G. Endsplash:

- 1. Applied.

H. Corian® Quartz Performance Properties (TYPICAL RESULTS):

1. Flexural Strength	> 5,300 psi	ASTM D790
2. Flexural Modulus	5.3–5.7 X 106 psi	ASTM D790
3. Compression Strength (Dry)	27,300 psi	ASTM C170
4. Compression Strength (Wet)	24,400 psi	ASTM C170
5. Hardness	7	Mohs Hardness Scale
6. Thermal Expansion	1.45 x 10 <sup>-5</sup> meter/meter deg C	ASTM D696
7. Thermal Expansion	2.61 x 10 <sup>-5</sup> inch/inch deg F	ASTM D696
8. Colorfastness	Passes	NEMA LD 3-3.3
9. Gloss (60° Gardner)	45–50	ANSI Z124
10. Wear and Cleanability	Passes	CSA B45.5-11/IAPMO Z124-2011
11. Stain Resistance	Passes	CSA B45.5-11/IAPMO Z124-2011
12. Fungal Resistance	No observed growth on product	ASTM G 21
13. Bacterial Resistance	No observed growth on product	ASTM G 22
14. High Temperature Resistance	None to slight effect	NEMA LD 3-3.6
a. Temperature, 356 deg F		
15. Boiling Water Resistance	None to slight effect	NEMA LD 3-3.5
16. Freeze-Thaw Cycling	Unaffected	ASTM C1026
17. Point Impact	Passes	ANSI Z124.6.4.2
18. Ball Impact Resistance	No failure at 164 inches	NEMA LD 3-3.8
a. Slabs, No fracture, 1/2 lb. ball – 2cm and 3 cm		
19. Static Coefficient of Friction	0.89 (Dry), 0.61 (Wet)	ASTM C1028



- |  |                       |                            |
|--|-----------------------|----------------------------|
| 20. Abrasion Resistance                              | 139                   | ASTM C501                  |
| 21. Density  | 2.4 g/cm <sup>3</sup> | ASTM D792                  |
| 22. Water Absorption, Long-term                      | 0.12%                 | ASTM C373                  |
| 23. Water Absorption, Short                          | < 0.04%               | ASTM C373                  |
| 24. Moisture Expansion                               | < 0.01% average       | ASTM C370                  |
| 25. Flammability                                     | Class A, all colors   | NFPA 101® Life Safety Code |
| 26. Flame Spread Index                               | FSI 0 for 3 cm        | UL 723                     |
| 27. Flame Spread Index                               | FSI ≤ 5 for 2 cm      | UL 723                     |
| 28. Smoke Developed Index                            | SDI ≤ 40 for 3 cm     | UL 723                     |
| 29. Smoke Developed Index                            | SDI ≤ 75 for 2 cm     | UL 723                     |
| 30. Flame Spread Value                               | 0 for 3 cm            | CAN/ULC-S102               |
| 31. Flame Spread Value                               | 5 for 2 cm            | CAN/ULC-S102               |
| 32. Smoke Developed Value                            | 10 for 3 cm           | CAN/ULC-S102               |
| 33. Smoke Developed Value                            | 50 for 2 cm           | CAN/ULC S102               |
| 34. Nominal Thickness                                | 2 cm and 3 cm         |                            |
| 35. Nominal Weight per square foot for 2cm thickness | is 10 pounds          |                            |
| 36. Nominal Weight per square foot for 3cm thickness | is 15 pounds          |                            |
- I. CORIAN® QUARTZ (ZODIAQ®) CERTIFICATIONS and APPROVALS:
1. New York City Material Equipment Acceptance Number for DuPont™ Zodiaq® is 431-00-M.
  2. NSF/ANSI Standard 51, Listed by NSF.
  3. UL Environment/GREENGUARD Certified.
  4. UL Environment/GREENGUARD Gold Certified.
  5. UL 2824 - Mold Resistant.
  6. Kosher, Listed by Star-K.

**2.03 ACCESSORY PRODUCTS**

- A. Mounting Adhesives:
  1. 100 percent Silicone Sealant.
- B. Seam Adhesive:
  1. Corian® Joint Adhesive to create color-coordinated seam.
- C. Sink/bowl mounting hardware:
  1. Manufacturer’s approved sink setters, bowl clips and fasteners for attachment of undermount sinks/bowls.

**2.04 FABRICATION**

- A. Fabricate components to greatest extent practical to sizes and shapes indicated, in accordance with approved shop drawings and manufacturer’s printed instructions and technical bulletins.
- B. Form joints between components using manufacturer’s standard joint adhesive.
  - a. Reinforce as required.
  2. Provide factory cutouts for plumbing fittings and bath accessories as indicated on the drawings.
  3. Rout and finish component edges with clean, sharp returns.
  4. Rout cutouts, radii and contours to template.
- C. Smooth edges.

**2.05 FINISHES**

- A. Select from the manufacturer’s standard color chart.
  - 1. Color:
    - a. [ \_\_\_\_\_ ]
    - b. [ \_\_\_\_\_ ]

**PART 3 - EXECUTION**

**3.01 INSTALLATION**

- A. General
  - 1. Install countertop materials in accordance with manufacturer’s instructions.
  - 2. Additional weight from attached sink or lavatory will affect maneuverability of tops during transportation and installation.
  - 3. Carefully plan work to avoid damaging finished tops during transportation and installation.
- B. Install components plumb and level, in accordance with approved shop drawings and product installation details.
  - 1. Tops:
    - a. Flat and true to within 1/8 inch (3 mm) of a flat surface over a 10-foot length.
    - b. Allow a minimum of 1/16 inch to a maximum of 1/8 inch (3 mm) clearance between surface and each wall.
    - c. Form field joints using manufacturer’s recommended adhesive (Corian® Joint Adhesive), with joint widths no greater than 1/8 inch (3 mm) in finished work.
    - d. Keep components and hands clean when making joints.
- C. Sinks/Lavatory Bowls:
  - 1. Adhere undermount sinks/lavatory bowls to countertops using manufacturer’s recommended adhesive and mounting hardware.
  - 2. Adhere drop-in sinks/bowls to countertops using silicone sealant and manufacturer-recommended adhesives.
- D. Provide backsplashes and endsplashes as indicated on the drawings.
  - 1. Adhere to countertops using silicone sealant.
    - a. Keep components and hands clean when working with silicone sealant.

**3.02 CONNECTIONS:**

- A. Make plumbing connections in accordance with Division 22.
- B. Make electrical connections in accordance with Division 26.

**3.03 CLEANING AND PROTECTION**

- A. Keep components and hands clean during installation.
- B. Remove adhesives, sealants and other stains in accordance with manufacturer’s instructions.
  - 1. Clean exposed surfaces in accordance with manufacturer’s instructions.
  - 2. Components shall be clean on date of substantial completion.
    - a. Protect surfaces from damage until date of substantial completion.
  - 3. Replace or repair damaged work in a satisfactory manner.

**3.04 SCHEDULE**

- A. Countertops:
  - 1. Location: [\_\_\_\_\_]
  - 2. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
    - g. Sink [\_\_\_\_\_]
- A. Countertops with integrated Corian® Solid Surface sinks:
  - 1. Location: [\_\_\_\_\_]
  - 2. Follow manufacturer's recommendations to obtain a smooth transition between adhesively joined top and sink.
  - 3. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
    - g. Sink [\_\_\_\_\_]
- B. Countertops with undermount sinks:
  - 1. Location: [\_\_\_\_\_]
  - 2. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
    - g. Sink [\_\_\_\_\_]
- C. Countertops integrated undermount Corian® Solid Surface lavatory bowls:
  - 1. Location: [\_\_\_\_\_]
  - 2. Follow manufacturer's recommendations to obtain a smooth transition between adhesively joined top and lavatory bowl.
  - 3. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]

- f. Sidesplash [\_\_\_\_\_]
- D. Countertops with undermount lavatory bowls:
  - 1. Location: [\_\_\_\_\_]
  - 2. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
    - g. Sink [\_\_\_\_\_]
- E. Reception areas:
  - 1. Location: [\_\_\_\_\_]
  - 2. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
- F. Nurses station:
  - 1. Location: [\_\_\_\_\_]
  - 2. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
- A. Table tops:
  - 1. Location: [\_\_\_\_\_]
  - 2. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
- A. Bar tops:
  - 1. Location: [\_\_\_\_\_]
  - 2. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]

- f. Sidesplash [\_\_\_\_\_]
- g. Sink [\_\_\_\_\_] add text for integrated undermount and send out
- B. Cafeteria surfaces — hot:
  - 1. Refer to Corian® Design fabrication and design recommendations.
    - a. Quartz surface is intended to be a decorative material.
      - 1) All equipment should be independently supported by the substructure, not the quartz surface.
    - b. Quartz surface is adhesively joined with exposed seams.
    - c. Provide expansion joints in countertop as detailed on the drawings.
    - d. Make cutouts to templates furnished by the equipment manufacturer.
    - e. Reinforce edges and cutouts as recommended by Corian® Design.
    - f. Provide insulation between material and adjacent hot water pans and food warmers.
    - g. Thermally isolate hot applications from cold.
    - h. Provide venting of cabinets as required.
  - 2. Location: [\_\_\_\_\_]
  - 3. Color: [\_\_\_\_\_]
  - 4. Vertical Thickness [\_\_\_\_\_]
  - 5. Horizontal Thickness [\_\_\_\_\_]
  - 6. Edge Details [\_\_\_\_\_]
  - 7. Backsplash [\_\_\_\_\_]
  - 8. Sidesplash [\_\_\_\_\_]
- C. Cafeteria surfaces — cold:
  - 1. Refer to manufacturer’s food service design recommendations.
  - 2. Quartz surface is intended to be a decorative material.
    - a. All equipment should be independently supported by the substructure, not the quartz surface.
  - 3. Quartz surface is adhesively joined with exposed seams.
  - 4. Provide expansion joints in countertop as detailed on the drawings.
  - 5. Make cutouts to templates furnished by the equipment manufacturer.
  - 6. Reinforce edges and cutouts as recommended by the quartz surface manufacturer.
  - 7. Provide insulation between material and adjacent cold surfaces.
  - 8. Thermally isolate hot applications from cold.
  - 9. Location: [\_\_\_\_\_]
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Seam Width [\_\_\_\_\_]
    - f. Backsplash [\_\_\_\_\_]
    - g. Sidesplash [\_\_\_\_\_]
- A. Vanity tops with integrated Corian® Solid Surface lavatory bowls:
  - 1. Location: [\_\_\_\_\_]
  - 2. Follow manufacturer’s recommendations to obtain a smooth transition between adhesively joined top and lavatory bowl.

3. Quartz surface is adhesively joined with exposed seams.
  - a. Color: [\_\_\_\_\_]
  - b. Vertical Thickness [\_\_\_\_\_]
  - c. Horizontal Thickness [\_\_\_\_\_]
  - d. Edge Details [\_\_\_\_\_]
  - e. Backsplash [\_\_\_\_\_]
  - f. Sidesplash [\_\_\_\_\_]
  - g. Sink [\_\_\_\_\_]
- B. Vanity tops and undermount lavatory bowls: insert hidden test insert top mount vanity bowls
  1. Location: [\_\_\_\_\_]
  2. Follow manufacturer's recommendations to obtain a smooth transition between adhesively joined top and lavatory bowl.
  3. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
    - g. Sink [\_\_\_\_\_]
- C. Vanity tops and undermount lavatory bowls:
  1. Location: [\_\_\_\_\_]
  2. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
    - g. Sink [\_\_\_\_\_]
  3. Vanity tops and drop-in lavatory bowls:
    1. Location: \_\_\_\_\_ Location: [\_\_\_\_\_]
  5. Quartz surface is adhesively joined with exposed seams.
    - a. Color: [\_\_\_\_\_]
    - b. Vertical Thickness [\_\_\_\_\_]
    - c. Horizontal Thickness [\_\_\_\_\_]
    - d. Edge Details [\_\_\_\_\_]
    - e. Backsplash [\_\_\_\_\_]
    - f. Sidesplash [\_\_\_\_\_]
    - g. Sink [\_\_\_\_\_]

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**SIMULATED STONE FABRICATIONS**

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**END OF SECTION**