

SECTION 06067

WOOD, METAL, AND PLASTIC SURFACING MATERIALS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Wood Surfacing Materials.
- B. Metal Surfacing Materials.
- C. Plastic Laminate Surfacing Materials.
- D. Solid Plastic Surfacing Materials.
- E. Solid Plastic Cast Products.

1.2 RELATED SECTIONS

- A. Section 06200 - Finish Carpentry.
- B. Section 06400 - Architectural Woodwork.
- C. Section 12300 - Manufactured Casework.
- D. Sections of Division 15 affecting, and affected by, construction activities of this section.

1.3 REFERENCES

- A. ADA - American Disabilities Act.
- B. ANSI Z 124.3 - Plastic Lavatories.
- C. ANSI Z 124.6 - Plastic Sinks.
- D. ASTM D 256 - Standard Test Method for Determining the Pendulum Impact Resistance of Notched Specimens of Plastics.
- E. ASTM D 570 - Standard Test Method for Water Absorption of Plastics
- F. ASTM D 638 - Standard Test Method for Tensile Properties of Plastics
- G. ASTM D 696 - Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30 degrees C. and 30 degrees C.

- H. ASTM D 785 - Standard Test Method for Rockwell Hardness of Plastics and Electrical Insulating Materials.
- I. ASTM D 790 - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
- J. ASTM D 792 - Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.
- K. ASTM D 2583 - Standard Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Compressor.
- L. NEMA LD 3-1995 - High Pressure Decorative Laminates; National Electrical Manufacturers Association.
- M. ISO 4586-2 - High Pressure Decorative Laminates; International Standards Organization.

#### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Selection Samples: Submit actual samples of surfacing materials to illustrate full range of colors, patterns, and finishes available.
- C. Verification Samples: Submit two samples, each 12 inches square, illustrating each selected surfacing material in specified color, pattern, and finish.
- D. Quality Assurance Submittals:
  - 1. Manufacturer's printed installation instructions for each specified product; include recommendations for substrate types, adhesive types, and fabrication techniques using specified products.
  - 2. Manufacturer's Safety Data Sheets (M.S.D.S.) for each adhesive.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect, and handle products in accordance with provisions of Section 01600.

- B. Store products of this section in accordance with manufacturer's printed instructions to prevent breakage and marring of surfaces.

## 1.6 SEQUENCING

- A. Supply products of this section to fabricators requiring them in time for conditioning products to environment minimum two days before fabrication.
- B. Ensure that fabricators using products of this section are in possession of complete manufacturer's instructions before beginning fabrication.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer, Surfacing Materials: Formica Corporation; Cincinnati OH 45241; customer response line 1-800-FORMICA.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

### 2.2 WOOD SURFACING MATERIALS

- A. Wood Veneer Surfacing:
  - 1. Acceptable Product: Formica Ligna Wood Surfacing.
  - 2. Product Description: Sheet material constructed of decorative wood veneer face sheet bonded under heat and pressure to phenolic thermosetting condensation resin core.
  - 3. Pattern: \_\_\_\_\_.
  - 4. Finish: \_\_\_\_\_.
  - 5. Patterns and Finishes: Specified in SCHEDULES Article of this Section.
  - 6. Patterns and Finishes: Indicated on drawings.
  - 7. Patterns and Finishes: Selected from manufacturer's full range of available selections.
- B. Supply edge banding material 7/8 inch wide matching wood veneer surfacing.

- C. Supply adhesives for installation of materials as specified in manufacturer's printed installation instructions.

### 2.3 METAL SURFACING MATERIALS

#### A. Metal Laminates:

1. Acceptable Product: Formica .32 DecoMetal Collection Laminate.
2. Product Description: Sheet material constructed of decorative metal face sheet bonded under heat and pressure to kraft papers impregnated with phenolic thermosetting condensation resins; nominal overall sheet thickness 0.032 inch.
3. Metal Type: \_\_\_\_\_.
4. Pattern: \_\_\_\_\_.
5. Finish: \_\_\_\_\_.
6. Metal Types, Patterns and Finishes: Specified in SCHEDULES Article of this Section.
7. Metal Types, Patterns and Finishes: Indicated on drawings.
8. Metal Types, Patterns and Finishes: Selected from manufacturer's full range of available selections.

#### B. Solid Metal Surfacing:

1. Acceptable Product: Formica Solid Metal Surfacing.
2. Product Description: Decorative metal sheet material.
3. Metal Type: \_\_\_\_\_.
4. Finish: \_\_\_\_\_.
5. Metal Types and Finishes: Specified in SCHEDULES Article of this Section.
6. Metal Types and Finishes: Indicated on drawings.
7. Metal Types and Finishes: Selected from manufacturer's full range of available selections.

- C. Supply adhesives for installation of materials as specified in manufacturer's printed installation instructions.

### 2.4 PLASTIC LAMINATE SURFACING MATERIALS

#### A. Plastic Laminates:

1. Acceptable Product: Formica Plastic Laminates.
2. Product Description: Sheet material constructed of decorative surface papers, impregnated with melamine resins, bonded under heat and minimum 750 pounds per square inch pressure to kraft papers impregnated with

phenolic thermosetting condensation resins; of the following types:

- a. General Purpose Horizontal Type: Formica Grade 10, Nominal sheet thickness 0.048 inch, meeting performance requirements of NEMA LD 3 Standard GP50 and ISO Standard HGS.
- b. General Purpose Horizontal Type: Formica Grade 51, Nominal sheet thickness 0.050 inch, meeting performance requirements of NEMA LD 3 Standard GP50 and ISO Standard HGS.
- c. General Purpose Horizontal Type, High Wear: Formica Grade 41, Nominal sheet thickness 0.051 inch, meeting performance requirements of NEMA LD 3 Standard HW62 and ISO Standard HCS.
- d. General Purpose Horizontal Type, High Wear: Formica Grade 43, Nominal sheet thickness 0.062 inch, meeting performance requirements of NEMA LD 3 Standard HW62 and ISO Standard HCS.
- e. General Purpose Horizontal Post Forming Type: Formica Grade 12, Nominal sheet thickness 0.038 inch, meeting performance requirements of NEMA LD 3 Standard PF42 and ISO Standard HGP.
- f. General Purpose Horizontal Post Forming Type: Formica Grade 52, Nominal sheet thickness 0.039 inch, meeting performance requirements of NEMA LD 3 Standard PF42 and ISO Standard HGP.
- g. General Purpose Vertical Post Forming Type: Formica Grade 20, Nominal sheet thickness 0.028 inch, meeting performance requirements of NEMA LD 3 Standard PF30 and ISO Standard VGP.
- h. General Purpose Vertical Post Forming Type: Formica Grade 30/31, Nominal sheet thickness 0.039 inch, meeting performance requirements of NEMA LD 3 Standard PF42 and ISO Standard VGP.

3. Pattern: \_\_\_\_\_.
4. Finish: \_\_\_\_\_.
5. Patterns and Finishes: Specified in SCHEDULES Article of this Section.
6. Patterns and Finishes: Indicated on drawings.
7. Patterns and Finishes: Selected from manufacturer's full range of available selections.

B. Fire Rated Plastic Laminates:

1. Acceptable Product: Formica Fire Rated Plastic Laminates.
2. Product Description: Sheet material constructed of fire retardant overlay and decorative surface papers,

impregnated with melamine resins, bonded under heat and minimum 750 pounds per square inch pressure to kraft papers impregnated with fire retardant phenolic thermosetting condensation resins; of the following types:

- a. General Purpose Horizontal Type, Fire Rated: Formica Grade 50, Nominal sheet thickness 0.062 inch, meeting performance requirements of NEMA LD3 Standard FR50 and ISO Standard HGF.
  - b. General Purpose Vertical Type, Fire Rated: Formica Grade 32, Nominal sheet thickness 0.028 inch, meeting performance requirements of NEMA LD3 Standard FR32 and ISO Standard VGF.
3. Surface burning characteristics: Class 1 flame spread rating in accordance with ASTM E 84, when bonded to one of the following with rigid urea resorcinol adhesive:
    - a. Minimum 3/8 inch thick particleboard labeled "UL Wood Particleboard with Surface Burning Characteristics not in excess of 20 for Flame Spread, and 25 for Smoke Developed".
    - b. Nominal 1/4 inch thick plywood labeled "Treated Plywood with Surface Burning Characteristics Classification FR-S".
  4. Pattern: \_\_\_\_.
  5. Finish: \_\_\_\_.
  6. Patterns and Finishes: Specified in SCHEDULES Article of this Section.
  7. Patterns and Finishes: Indicated on drawings.
  8. Patterns and Finishes: Selected from manufacturer's full range of available selections.
- C. Through-Color Plastic Laminates:
1. Acceptable Product: Formica ColorCore Plastic Laminate.
  2. Product Description: Sheet material constructed of layers of decorative papers, impregnated with melamine resins, bonded under heat and minimum 750 pounds per square inch pressure with phenolic thermosetting condensation resins.
  3. Pattern: \_\_\_\_.
  4. Finish: \_\_\_\_.
  5. Patterns and Finishes: Specified in SCHEDULES Article of this Section.
  6. Patterns and Finishes: Indicated on drawings.
  7. Patterns and Finishes: Selected from manufacturer's full range of available selections.

- D. Thick Stock Plastic Laminates:
1. Acceptable Product: Formica Thick Stock Plastic Laminates.
  2. Product Description: Sheet material constructed of kraft papers, impregnated with melamine resins, bonded under heat and minimum 750 pounds per square inch pressure fire retardant phenolic thermosetting condensation resins.
  3. Surface burning characteristics: Class 1 flame spread rating in accordance with ASTM E 84.
  4. Surface burning characteristics: Class 2 flame spread rating in accordance with ASTM E 84.
  5. Core Color: Brown.
  6. Core Color: Black.
  7. Surface Pattern: \_\_\_\_\_.
  8. Surface Finish: \_\_\_\_\_.
  9. Surface Patterns and Finishes: Specified in SCHEDULES Article of this Section.
  10. Surface Patterns and Finishes: Indicated on drawings.
  11. Surface Patterns and Finishes: Selected from manufacturer's full range of available selections.
- E. Backing Sheet: Supply the following types:
1. Formica Grade 87, Nominal sheet thickness 0.028 inch, meeting performance requirements of NEMA LD 3 Standard BK30 and ISO Standard BLF.
  2. Formica Grade 89, Nominal sheet thickness 0.050 inch, meeting performance requirements of NEMA LD 3 Standard BK50 and ISO Standard BGF.
  3. Formica Grade 91, Nominal sheet thickness 0.020 inch, meeting performance requirements of NEMA LD 3 Standard BK20 and ISO Standard BLS.
  4. Formica Grade 92, Nominal sheet thickness 0.050 inch, meeting performance requirements of NEMA LD 3 Standard BK50 and ISO Standard BGS.
  5. Color: \_\_\_\_\_.
  6. Color: Specified in SCHEDULES Article of this Section.
  7. Color: Indicated on drawings.
- F. Fire Rated Backing Sheet: Supply the following types:
1. Formica Grade 87/BLF, Nominal sheet thickness 0.028 inch, meeting performance requirements of NEMA LD 3 Standard BK30 and ISO Standard BLF.

2. Formica Grade 89/BGF, Nominal sheet thickness 0.050 inch, meeting performance requirements of NEMA LD 3 Standard BK50 and ISO Standard BGF.
3. Color: \_\_\_\_\_.
4. Color: Specified in SCHEDULES Article of this Section.
5. Color: Indicated on drawings.

G. Cabinet Liner:

1. Acceptable Product: Formica Grade 72, Nominal sheet thickness 0.020 inch, meeting performance requirements of NEMA LD 3 Standard CL20 and ISO Standard CLS.
2. Color: \_\_\_\_\_.
3. Color: Specified in SCHEDULES Article of this Section.
4. Color: Indicated on drawings.

H. Supply adhesives for installation of materials as specified in manufacturer's printed installation instructions.

## 2.5 SOLID PLASTIC SURFACING MATERIALS

A. Solid Plastic Surfacing Veneer:

1. Acceptable Product: Formica Nuvel Surfacing Material.
2. Product Description: Homogenous sheet material composed of mineral-filled thermoplastic polymers, finished to smooth surface; sheet thickness 0.090 inch, plus or minus 0.005 inch.
3. Physical characteristics, tested in accordance with NEMA LD 3:
  - a. Test 3.1; Appearance: No ABC defects.
  - b. Test 3.2; Surface Finish: Gloss Level 10.
  - c. Test 3.3; Light Resistance: No effect.
  - d. Test 3.4; Cleanability: Maximum 10 cycles.
  - e. Test 3.4; Stain Resistance: Reagents 1-29; no effect.
  - f. Test 3.5; Boiling Water Resistance: No effect.
  - g. Test 3.6; High Temperature Resistance: No effect.
  - h. Test 3.8; Ball Impact Resistance: Minimum 360 inches.
  - i. Test 3.10; Radiant Heat Resistance: Minimum 6,600.
  - j. Test 3.11; Dimensional Change: Machine direction, maximum 0.10 percent; cross direction, maximum 0.10 percent.

- k. Test 3.13; Wear Resistance: Solid color throughout.
  - l. Test 3.14; Postforming Formability: Minimum 3/16 inch radius.
  - m. Test 3.15; Postforming Blistering: Minimum 100 seconds.
  - n. Test 3.16; Scuff Resistance: Slight effect.
  - 4. Finish: \_\_\_\_\_, \_\_\_\_\_ Fleck.
  - 5. Finishes: Specified in SCHEDULES Article of this Section.
  - 6. Finishes: Indicated on drawings.
  - 7. Finishes: Selected from manufacturer's full range of available selections.
- B. Edge Profiles: Supply indicated edge profile moldings in finish matching adjacent solid plastic surfacing veneer.
- C. Corner Profiles: Supply indicated corner profile moldings in finish matching adjacent solid plastic surfacing veneer.
- D. Solid Plastic Surfacing:
- 1. Acceptable Product: Formica Surell Solid Surfacing Material.
  - 2. Product Description: Homogenous sheet material composed of mineral-filled thermoplastic polymers, finished to smooth surface.
  - 3. Physical characteristics:
    - a. Tensile Strength, ASTM D 638: 4,100 pounds per square inch.
    - b. Tensile Modulus, ASTM D 638: 500,000 pounds per square inch.
    - c. Tensile Elongation, ASTM D 638: 0.8 percent.
    - d. Flexural Strength, ASTM D 790: 7,200 pounds per square inch.
    - e. Flexural Modulus, ASTM D 790: 1.4 million pounds per square inch.
    - f. Hardness:
      - 1) ASTM D 785: 95 Rockwell M.
      - 2) ASTM D 2583: 61 Barcol Impressor.
    - g. Izod Impact, ASTM D 256: 0.25 foot pounds per inch.
    - h. Specific Gravity, ASTM D 792A: 1.75 grams per cubic centimeter.
    - i. Weight, ASTM D 792A, pounds per square foot:
      - 1) 1/4 inch sheet thickness: 2.3.
      - 2) 1/2 inch sheet thickness: 4.6.

- 3) 3/4 inch sheet thickness: 6.9.
- j. Liquid Absorption, ASTM D 570, after 24 hour period:
  - 1) 1/4 inch sheet thickness: 0.07 percent.
  - 2) 1/2 inch sheet thickness: 0.04 percent.
  - 3) 3/4 inch sheet thickness: 0.03 percent.
- k. Thermal Expansion, ASTM D 696: 0.000023 inch per inch per degree F.
- l. Heat Distortion Temperature, ASTM D 648: 212 degrees F.
- m. Surface burning characteristics in accordance with ASTM E 84:
  - 1) 1/4 inch sheet thickness, solid color: Flame spread 15, Smoke developed 165.
  - 2) 1/2 inch sheet thickness, solid color: Flame spread 10, Smoke developed 25.
  - 3) 3/4 inch sheet thickness, solid color: Flame spread 5, Smoke developed 15.
  - 4) 1/2 inch sheet thickness, granite pattern: Flame spread 10, Smoke developed 20.
  - 5) 3/4 inch sheet thickness, granite pattern: Flame spread 5, Smoke developed 0.
- 4. Results of testing in accordance with NEMA LD 3:
  - a. Test 3.2; Surface Finish: Gloss Level 10.
  - b. Test 3.3; Light Resistance: No effect.
  - c. Test 3.4; Cleanability: Maximum 20 cycles.
  - d. Test 3.5; Boiling Water Resistance: No effect.
  - e. Test 3.6; High Temperature Resistance: No effect.
  - f. Test 3.8; Ball Impact Resistance: Minimum 154 inches.
  - g. Test 3.10; Radiant Heat Resistance: Minimum 600 seconds.
  - h. Test 3.13; Wear Resistance: Maximum 0.1 grams loss per 100 revolutions.
- 5. Sheet Thickness: 1/4 inch.
- 6. Sheet Thickness: 1/2 inch.
- 7. Sheet Thickness: 3/4 inch.
- 8. Sheet Thicknesses: Indicated on drawings.
- 9. Sheet Thicknesses: Specified in SCHEDULES Article of this Section.
- 10. Finish: \_\_\_\_\_.
- 11. Finishes: Specified in SCHEDULES Article of this Section.
- 12. Finishes: Indicated on drawings.
- 13. Finishes: Selected from manufacturer's full range of available selections.

- E. Supply adhesives for installation of materials as specified in manufacturer's printed installation instructions.

## 2.6 SOLID PLASTIC CAST PRODUCTS

- A. Product Description: Cast items of same homogenous material, composed of mineral-filled thermoplastic polymers finished to smooth surface, as solid plastic surfacing sheet material.
  
- B. Double Bowl Kitchen Sink:
  - 1. Acceptable Product: Formica Nuvel Double Bowl Kitchen Sink; size 22 inches by 33 inches with 8 inches bowl depth.
  - 2. Physical characteristics: Passed the following tests in accordance with ANSI Z 124.6.
    - a. Test 3.3; Surface test.
    - b. Test 3.4; Subsurface test.
    - c. Test 4.1; Drain fitting connection test.
    - d. Test 4.2.1; Point impact load test.
    - e. Test 4.2.2; Knife drop test.
    - f. Test 4.2.3; Skillet drop test.
    - g. Test 4.3; Load test.
    - h. Test 4.4; Vibration test.
    - i. Test 5.1; Colorfastness test.
    - j. Test 5.2; Stain resistance.
    - k. Test 5.3; Wear and cleanability test.
    - l. Test 5.4; Cigarette test.
    - m. Test 5.5; Chemical resistance test.
    - n. Test 5.6; Heated pan test.
    - o. Test 5.7; Hot wax test.
    - p. Test 6.3.2; Water resistance test.
  - 3. Finish: \_\_\_\_\_.
  - 4. Finishes: Specified in SCHEDULES Article of this Section.
  - 5. Finishes: Indicated on drawings.
  - 6. Finishes: Selected from manufacturer's full range of available selections.
  
- C. Vanity Top:
  - 1. Acceptable Product: Formica Surell Cast Products.
  - 2. Physical characteristics when tested in accordance with ANSI Z 124.3:
    - a. Test 3.3; Surface test: No chips, cracks, or blisters.
    - b. Test 3.4; Subsurface test: No voids.

- c. Test 4.2; Drain fitting connection test, 25 pounds at 24 inches: No cracks or chips.
  - d. Test 4.3; Impact load test, 1/2 pound ball at 20 inches: No cracks or chips.
  - e. Test 4.4; Load test, 300 pounds: No cracks.
  - f. Test 4.4; Residual deflection, after removal of 300 pound load: No deflection.
  - g. Test 5.1; Colorfastness test: No change after 200 hours.
  - h. Test 5.3; Wear and cleanability test: Maximum 0.2 percent reflectance loss after 10,000 cycles.
  - i. Test 5.4; Cigarette burn resistance test, 2 minute duration: No effect after cleaning.
  - j. Test 5.6; Ignition test: Pass.
  - k. Test 6.3.2; Water resistance test, 500 cycles alternating between 150 degrees F and 50 degrees F: No cracks, crazing, blistering, or spalling.
3. Vanity Top: 3/4 inch thick, molded with integral bowl(s) and 4 inches high integral backsplash:
- a. Top Size: \_\_\_ wide by \_\_\_ deep.
  - b. Bowl: Single, centered in top width.
  - c. Bowl: Single, offset to left quarter point of top width, viewed from front edge.
  - d. Bowl: Single, offset to right quarter point of top width, viewed from front edge.
  - e. Bowls: Double, each offset to quarter points of top width, viewed from front edge.
4. Finish: \_\_\_\_\_.
5. Finishes: Specified in SCHEDULES Article of this Section.
6. Finishes: Indicated on drawings.
7. Finishes: Selected from manufacturer's full range of available selections.

D. Lavatory Bowl:

- 1. Acceptable Product: Formica Surell Cast Products.
- 2. Physical characteristics when tested in accordance with ANSI Z 124.3:
  - a. Test 3.3; Surface test: No chips, cracks, or blisters.
  - b. Test 3.4; Subsurface test: No voids.
  - c. Test 4.2; Drain fitting connection test, 25 pounds at 24 inches: No cracks or chips.
  - d. Test 4.3; Impact load test, 1/2 pound ball at 20 inches: No cracks or chips.
  - e. Test 4.4; Load test, 300 pounds: No cracks.

- f. Test 4.4; Residual deflection, after removal of 300 pound load: No deflection.
  - g. Test 5.1; Colorfastness test: No change after 200 hours.
  - h. Test 5.3; Wear and cleanability test: Maximum 0.2 percent reflectance loss after 10,000 cycles.
  - i. Test 5.4; Cigarette burn resistance test, 2 minute duration: No effect after cleaning.
  - j. Test 5.6; Ignition test: Pass.
  - k. Test 6.3.2; Water resistance test, 500 cycles alternating between 150 degrees F and 50 degrees F: No cracks, crazing, blistering, or spalling.
3. Lavatory Bowl: Model Number VTUM; outside dimensions 16-1/8 inches by 19-1/2 inches, inside dimensions 13-5/8 inches by 17 inches by 5-3/4 inches.
  4. Lavatory Bowl: Model Number VTA2, ADA compliant; outside dimensions 13 inches by 17-1/2 inches, inside dimensions 10-1/4 inches by 15 inches by 5-3/4 inches.
  5. Lavatory Bowl: Model Number VTA3, ADA compliant; outside dimensions 16-1/2 inches by 22-1/2 inches, inside dimensions 14 inches by 20 inches by 5-3/4 inches.
  6. Lavatory Bowl: Model Number VTA4, ADA compliant; outside dimensions 23.848 inches by 16.168 inches, inside dimensions 21.381 inches by 13.650 inches.
  7. Finish: \_\_\_\_\_.
  8. Finishes: Specified in SCHEDULES Article of this Section.
  9. Finishes: Indicated on drawings.
  10. Finishes: Selected from manufacturer's full range of available selections.

E. Kitchen Sink:

1. Acceptable Product: Formica Surell Cast Products.
2. Physical characteristics when tested in accordance with ANSI Z 124.3:
  - a. Test 3.3; Surface test: No chips, cracks, or blisters.
  - b. Test 3.4; Subsurface test: No voids.
  - c. Test 4.2; Drain fitting connection test, 25 pounds at 24 inches: No cracks or chips.
  - d. Test 4.3; Impact load test, 1/2 pound ball at 20 inches: No cracks or chips.
  - e. Test 4.4; Load test, 300 pounds: No cracks.
  - f. Test 4.4; Residual deflection, after removal of 300 pound load: No deflection.

- g. Test 5.1; Colorfastness test: No change after 200 hours.
  - h. Test 5.3; Wear and cleanability test: Maximum 0.2 percent reflectance loss after 10,000 cycles.
  - i. Test 5.4; Cigarette burn resistance test, 2 minute duration: No effect after cleaning.
  - j. Test 5.6; Ignition test: Pass.
  - k. Test 6.3.2; Water resistance test, 500 cycles alternating between 150 degrees F and 50 degrees F: No cracks, crazing, blistering, or spalling.
- 3. Kitchen Sink: Model Number K104, single bowl; outside dimensions 18 inches by 23 inches, bowl dimensions 16 inches by 21 inches by 8-1/4 inches.
  - 4. Kitchen Sink: Model Number K114, single bowl; outside dimensions 18 inches by 12 inches, bowl dimensions 16 inches by 10 inches by 6-1/2 inches.
  - 5. Kitchen Sink: Model Number K121, single bowl; outside dimensions 18 inches by 18 inches, bowl dimensions 16 inches by 16 inches by 8-1/4 inches.
  - 6. Kitchen Sink: Model Number K132, single bowl; outside dimensions 11-3/4 inches by 7-1/2 inches, bowl dimensions 9-3/4 inches by 5-1/2 inches by 6-1/2 inches.
  - 7. Kitchen Sink: Model Number KD10, single bowl with drainboard; outside dimensions 18 inches by 33-3/4 inches, bowl dimensions 16 inches by 16 inches by 8-1/4 inches.
  - 8. Kitchen Sink: Model Number KD20, double bowl with drainboard; outside dimensions 18 inches by 38 inches, bowl dimensions 13-1/2 inches by 16 inches by 8-1/4 inches.
  - 9. Kitchen Sink: Model Number KS21, double bowl; outside dimensions 18 inches by 33 inches, bowl dimensions 15 inches by 15 inches by 8-1/4 inches.
  - 10. Kitchen Sink: Model Number KS25, double bowl; outside dimensions 18 inches by 33 inches, large bowl dimensions 16 inches by 19 inches by 8-1/4 inches, small bowl dimensions 16 inches by 11 inches by 6-1/2 inches.
  - 11. Kitchen Sink: Model Number BT17, single bowl; outside dimensions 17.717 inches by 29.528 inches, bowl dimensions 15.748 inches by 27.559 inches.
  - 12. Finish: \_\_\_\_\_.
  - 13. Finishes: Specified in SCHEDULES Article of this Section.
  - 14. Finishes: Indicated on drawings.

15. Finishes: Selected from manufacturer's full range of available selections.
- F. Tub Unit:
1. Acceptable Product: Formica Surell Cast Products.
  2. Size: \_\_\_ inches long by \_\_\_ inches wide.
  3. Drain: Left hand.
  4. Drain: Right hand.
  5. Finish: \_\_\_\_\_.
  6. Finishes: Specified in SCHEDULES Article of this Section.
  7. Finishes: Indicated on drawings.
  8. Finishes: Selected from manufacturer's full range of available selections.
- G. Tub Surround: 1/4 inch material thickness; 4 wall panels, overlay panel, 2 cove moldings, integral soap dish.
1. Acceptable Product: Formica Surell Cast Products.
  2. Size: For tub unit \_\_\_ inches long by \_\_\_ inches wide.
  3. Finish: \_\_\_\_\_.
  4. Finishes: Specified in SCHEDULES Article of this Section.
  5. Finishes: Indicated on drawings.
  6. Finishes: Selected from manufacturer's full range of available selections.
- H. Shower Base Unit:
1. Acceptable Product: Formica Surell Cast Products.
  2. Size: Model W3636, 36 inches long by 36 inches wide by 4-1/2 inches high.
  3. Size: Model W36D neo-angle, 36 inches long by 36 inches wide by 4-1/2 inches high.
  4. Finish: \_\_\_\_\_.
  5. Finishes: Specified in SCHEDULES Article of this Section.
  6. Finishes: Indicated on drawings.
  7. Finishes: Selected from manufacturer's full range of available selections.
- I. Shower Surround: 1/4 inch material thickness; wall panels, cove moldings, integral soap dish.
1. Acceptable Product: Formica Surell Cast Products.
  2. Type: For shower unit Model W3636.
  3. Type: For shower unit Model W36D.
  4. Finish: \_\_\_\_\_.

5. Finishes: Specified in SCHEDULES Article of this Section.
6. Finishes: Indicated on drawings.
7. Finishes: Selected from manufacturer's full range of available selections.

J. Supply materials for installation of products as specified in manufacturer's printed installation instructions.

## PART 3 EXECUTION

### 3.1 PREPARATION

A. Surface Preparation: Precondition surfacing materials and surfaces to receive surfacing materials in accordance with manufacturer's printed installation instructions.

### 3.2 INSTALLATION

- A. Installation of sheet materials is specified in Section 06400, Architectural Woodwork.
- B. Install cast products in accordance with manufacturer's printed instructions.

### 3.3 SCHEDULES

- A. Room \_\_\_\_:
  1. Fixture \_\_\_\_:
    - a. Sight-exposed Horizontal Surfaces: Plastic laminate; pattern \_\_\_\_, finish \_\_\_\_.
    - b. Sight-exposed Vertical Surfaces: Plastic laminate; pattern \_\_\_\_, finish \_\_\_\_.
    - c. Semi-exposed Surfaces: Cabinet liner; gray color.
- B. Kitchen:
  1. Fixture \_\_\_\_:
    - a. Sight-exposed Horizontal Surfaces: Solid plastic surfacing veneer; pattern \_\_\_\_, finish \_\_\_\_.
    - b. Sight-exposed Vertical Surfaces: Plastic laminate; pattern \_\_\_\_, finish \_\_\_\_.
    - c. Semi-exposed Surfaces: Cabinet liner; gray color.
    - d. Cast Products: Kitchen sink; \_\_\_\_, finish \_\_\_\_.
    - e. Moldings: Corner and edge moldings matching surfacing veneer finish.
- C. Bath Room \_\_\_\_:

1. Vanity Counter:
  - a. Sight-exposed Horizontal Surfaces: Solid plastic vanity top with molded bowl; size 61 inches wide by 22 inches deep, double bowl; finish \_\_\_\_\_.
  - b. Sight-exposed Vertical Surfaces: Plastic laminate; pattern \_\_\_\_\_, finish \_\_\_\_\_.
  - c. Semi-exposed Surfaces: Cabinet liner; gray color.
2. Shower Unit: Model W3636, \_\_\_\_\_ finish.
3. Shower Surround: For Model W3636, match shower unit finish.

END OF SECTION