

## SECTION 06400 - ARCHITECTURAL WOODWORK

## PART 1 - GENERAL

## 1.1 SUMMARY

- A. Section Includes:
  - 1. Plastic Laminate Casework.
  - 2. Metal Edge Trim.
- B. Related Requirements:
  - 1. Section 06424 – Protective Surfacing: Polyester blend compound, high impact, rigid sheet wall covering.

## 1.2 REFERENCES

- A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
- B. American National Standards (ANSI):
  - 1. ANSI A208.1 - Particleboard
  - 2. ANSI A208.2 - Medium Density Fiberboard For Interior Use
- C. Architectural Woodwork Institute (AWI) / Architectural Woodwork Manufacturers Association of Canada (AWMAC) / Woodwork Institute (WI) - Joint Publication:
  - 1. AWI/AWMAC/WI - Architectural Woodwork Standards.
- D. Engineered Wood Association (APA): APA - Grades & Specifications.
- E. National Electrical Manufacturer's Association (NEMA)
  - 1. NEMA LD3 - High-Pressure Decorative Laminates

## 1.3 DELIVERY, STORAGE AND HANDLING

- A. Transport, handle, store, and protect products in compliance with the requirements of Section 01600.
- B. Inspect materials delivered and reject those not qualifying with requirements, those damaged in transit, or those that appear otherwise unsatisfactory.
- C. Schedule delivery of items to installation areas that are in proper condition to receive them. Place items neatly and systematically to avoid damage, store in clean, dry, enclosed, and secure storage area.
- D. Receive Owner Furnished products in accordance with the requirements of Section 01600.
  - 1. Product Delivery: Owner's Supplier will deliver Owner furnished products to site to be received by Contractor. Contact Owner's Supplier to coordinate product delivery and installation.
  - 2. Acceptance at Site: Inspect products upon delivery to Site to verify quantity, and report discrepancies in quantity delivered or damage.
  - 3. Product Packaging: Products will be delivered in manufacturer's original packaging with identification markings on each component or package.

## PART 2 - PRODUCTS

## 2.1 LAMINATE MATERIALS

- A. Manufacturers: Provide products as manufactured by the following as specified in the Color/Pattern Schedule below:

1. Formica Corporation; Indianapolis, IN; Contact: Megan Shaughnessy; (513) 786-3039.
2. Nevamar Decorative Surfaces (a subsidiary of Panolam Surface Systems) Shelton, CT. Contact: Tricia Rongitsch, (612) 618-4754, [www.panolam.com/distributors](http://www.panolam.com/distributors)
3. Panolam Surface Systems, Shelton, CT. Contact: Tricia Rongitsch, (612) 618-4754, [www.panolam.com/distributors](http://www.panolam.com/distributors)
4. Pionite Decorative Surfaces (a subsidiary of Panolam Surface Systems) Shelton, CT. Contact: Tricia Rongitsch, (612) 618-4754.
5. Wilsonart; Temple, TX; Contact: Teresa Humphrey (214) 695-8527.

B. High pressure laminate (HPL); NEMA LD3; color, pattern, and finish as indicated in this Section.

1. Exposed Horizontal Surfaces: GP-50.
2. Exposed Vertical Surfaces: GP-50.
3. Postformed Surfaces: PF-42.
4. Thickness: Nominal 0.050 inch thick.

## 2.2 ACCESSORIES

A. Adhesives: Low VOC adhesive, as recommended by laminate manufacturer and suitable for shop or field application.

1. Toxicity / IEQ:
  - a. Comply with applicable regulations regarding toxic and hazardous materials.
  - b. Comply with Green Seal Standard GS-36 for commercial aerosol adhesives.
  - c. Comply with California's South Coast Air Quality Management District (SCAQMD) Rule No. 1168 in areas where exposure to freeze/thaw conditions and direct exposure to moisture will not occur. In areas where freeze/thaw conditions exist or direct exposure to moisture can occur, then comply with California's Bay Area AQMD Regulation 8, Rule 51 for containers larger than 16 oz. and with California Air Resource Board (CARB) for containers 16 oz or less.
2. Acceptable Products: Provide the following or equivalent as recommended by laminate manufacturer.
  - a. Wilsonart 3000 Adhesive Series.
  - b. Sta'-Put SP80.
  - c. Titebond

B. Fasteners: Unless otherwise recommended by the manufacturer, use size and type to suit application; galvanized or stainless for exterior and high humidity locations; plain finish at other locations.

C. Edge Banding: Edge banding shall be 3 mm thick x 1-5/8 inch strip banding of ABS/PVC composition by Wilsonart, or equivalent.

1. Color: PL-7 as described below.
2. Color: PL-4 as described below.
3. Color: PL-31 as described below.

## 2.3 PANEL PRODUCT

A. Medium Density Fiberboard (MDF), ANSI A208.2, Grade MD, made with binder containing no urea formaldehyde resin.

B. Particleboard, density 45 lb., ANSI A208.1, Grade M-2, made with binder containing no urea formaldehyde resin.

C. Provide MDF or Particleboard specified above as manufactured by one of the following:

1. [Flakeboard Company.](#)
2. [Homasote.](#)
3. [Panel Source International.](#)
4. [Sierra Pine.](#)
5. [Roseburg Forest Products.](#)
6. [Temple Inland.](#)

## 2.4 COLOR/PATTERN SCHEDULE

A. Provide one color where two or more are specified. Provide laminate specified below as applicable and as shown/scheduled on the Drawings. All PL designations are for HPL unless otherwise indicated. Colors shown in parentheses are generic color names.

1. PL-4 (Maple):
  - a. No. WM791 Hardrock Maple, by Pionite.
  - b. No. 10776HW-60 Kensington Maple, by Wilsonart
  - c. No. W290 Hardrock Maple, by Panolam. (TFM)
2. PL-6 (Light Tan): No. 4143-60 Neutral Glace, by Wilsonart.
3. PL-11 (Medium Gray):
  - a. No. 928-58 Mouse (matte finish), by Formica.
  - b. No. D90-60 North Sea, by Wilsonart.
4. PL-12 (Gray): No. 4843-60 Mysterd Zephyr by Wilsonart.
5. PL-15: (Brown): No. MKT-001T Golden Iron Moonrock, by Nevamar.
6. PL-20 (Tan): No. 4762HW-60 Mystique Dawn, by Wilsonart.
7. PL-22: No. 1815-35 Deepstar Agate, by Wilsonart.
8. PL-23: No 4830K-18 Satin Stainless by Wilsonart.
9. PL-25 (Blue): No. D26-60 "Persian Blue", matte finish, by Wilsonart
10. PL-27: No. D498K-18 Island, linearity finish/AEON, by Wilsonart.
11. PL-28 (Aloe): No. 7962K-18 Aloe, by Wilsonart.
12. PL-29: No. 1573 Frosty White, by Wilsonart.
13. PL-30: No. 4879 Steel Mesh, by Wilsonart.
14. PL-31: No. 1500-60 Grey, by Wilsonart.
15. PL-32: VA2002 Vision Vava, by Nevamar.
16. PL-33 (Black): No.1595-60 Black, by Wilsonart.

B. Substitutions: Not permitted.

## 2.5 PLASTIC LAMINATE CASEWORK

A. Fabricate using following materials for listed surfaces as defined in AWI/AWMAC/WI - Architectural Woodwork Standards.

1. Plastic Laminates and Thermofused Melamine (TFM) panels with woodgrain patterns:
  - a. Grain direction to run vertical on vertical exposed millwork surfaces, including but not limited to cabinet faces, end panels, doors, drawer fronts, dividers and fillers, unless noted otherwise.
  - b. Grain direction to run parallel to face or exposed edges on horizontal surfaces including but not limited to cabinet bottoms, shelving and horizontal partitions.
2. Exterior Exposed Surfaces (cabinet faces, ends and finished backs, doors, drawer fronts): High pressure or thermoplastic laminate as shown. Colors as indicated on Drawings.
3. Interior Exposed Surfaces (open shelving storage or shelving areas): Thermofused Melamine (TFM), high pressure laminate, or thermoplastic laminate as shown. Color as indicated on the Drawings.
4. Semi-Exposed Surfaces (spaces behind doors, drawer boxes): Thermofused Melamine (TFM) , high pressure laminate, or thermoplastic laminate as shown. Color as indicated on Drawings.
5. Concealed Surfaces: Mill option using materials specified in this Section.
6. Base: 3/4" plywood or 2x wood blocking as indicated on Drawings.
7. Hardwood Edge Trim: Solid hardwood, optional species, for countertop edges as indicated on Drawings.
8. Panel Product Substrate for Laminate Clad Casework: Medium Density Fiberboard (MDF) or Particleboard as specified in Panel Product paragraph above.

B. Hardwood Trim : AWI Custom Grade; plain sawn, Grade II lumber.

1. Clear Sealed Hardwood: One of the following hardwood species. Use one species throughout
  - a. Ash.
  - b. Birch.
  - c. Oak.

C. Cabinet Hardware:

1. Base Cabinets:
  - a. Drawer Slides                      Knap & Vogt (KV)    1300
  - b. Drawer Lock                        KV                        986 NP
  - c. Shelf Standards                    KV                        255ZC
  - d. Shelf Supports                    KV                        239
2. Doors:
  - a. Wire Pull                            Epc                      EPC-MC402-3-BRC 626
  - b. Door Lock                          KV                        986 NP
  - c. Hinges                                Rockford Process    IH 860
  - d. Magnetic Catches                Ives                      325 (A 92)

D. Fasteners: Unless otherwise recommended by the manufacturer, use size and type to suit application; galvanized or stainless for exterior and high humidity locations; plain finish at other locations.

## 2.6 MOLDED LAMINATE COUNTERTOP

- A. Postformed plastic laminate on 3/4" particle core with waterfall edge trim and integral backsplash, all one-piece design, length and width as shown.
- B. Manufacturer: Belanger Laminates VT Inc. (800) 264-3440, similar to Belanger style 1000, 1100, or 2100. As distributed by Lowes (Model # 3526118) or Home Depot or equivalent by other manufacturers.
- C. Color: Travertine or Sandstone.

## 2.7 CORNER GUARDS

- A. Corner Guards: Aluminum corner guards specified in Section 10260.

## PART 3 - EXECUTION

### 3.1 GENERAL

- A. Install items specified herein where and as shown on the Drawings.

### 3.2 PLASTIC LAMINATE CASEWORK

- A. Where new plastic laminate is indicated for existing caswork, remove existing laminate and/or finishes to base substrate prior to installation of new. Installation of new laminate over existing is not acceptable, no exceptions.
- B. Install woodwork plumb, level, and straight without distortion; use concealed shims. Scribe and cut woodwork to fit adjoining work. Anchor woodwork items to nailers or blocking or directly to substrate using concealed fasteners.
- C. Casework: Provide well fitting and smooth operating doors and drawers.
- D. Countertops: Anchor plastic laminate countertops securely to base units.
- E. Install laminate on vertical surfaces with directional pattern or grain oriented vertically. Install laminate on horizontal surfaces with directional pattern or grain oriented parallel to length of countertop.

END OF SECTION