
Specifications

Section 12300
Section 06400

Cascade Casework Corp
SPECIFICATIONS FOR
PLASTIC LAMINATE FACED CASEWORK

PART 1 - GENERAL

1.1 SUMMARY

- A. Institutional casework including base, full-height and wall mounted cabinets, countertops, tables, mobile cabinets, wardrobes and similar units
- B. Related section:
 - 1 General millwork and wood trim items - Section 06200
 - 2 Rubber or other resilient base - Section 09650
 - 3 Blocking in walls where required to fasten cabinets - Section 06100
 - 4 Sinks, faucets and connections to such items - Section 15400
 - 5 Electrical fixtures and connections to such items - Division 16

1.2 SYSTEM DESCRIPTION

- A. Casework modules of reveal overlay design with continuous countertops where applicable.
- B. Exposed cabinet exterior finished with high pressure plastic laminate available in full range of solid colors, wood grains and patterns.
- C. Exposed cabinet interiors same as exposed exterior surfaces. Semi-exposed interiors finished with almond or white high pressure plastic laminate.
- D. Edges of case bodies, doors and shelves finished with hot melt glue applied PVC edge.
- E. Hardware of institutional type and quality.
- F. See Part - 2 Products for complete description of the above system components.

1.3 SUBMITTALS

- A. Complete shop drawings submitted in accordance with section 01300 of project specifications showing all casework items, pertinent other construction and installation details and equipment supplied by others requiring coordination of other trades
- B. Product data and samples submitted in accordance with Section 01300 of project specifications or upon request.
- C. Test reports available objectively measuring strength of materials, hardware and cabinet sub-assemblies.

1.4 PROJECT SITE CONDITIONS

- A. Casework delivery to follow completion of wet operations and painting in installation areas. Installation to proceed only when ambient temperature is above 60 degrees F. and humidity is such that woodwork will not be damaged by excessive changes in moisture content.
- B. Owner or contractor to provide on-site ventilated and sheltered storage meeting conditions described under "A" above.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Institutional Line reveal overlay modular casework finished with high pressure plastic laminate by Cascade Casework of Albany, Oregon.
- B. Casework of other manufacturers may be substituted, provided in architect's opinion casework is equal to that specified and conforms to dimensions, design and color selection requirements. Manufacturers requesting approval must submit evidence of at least (5) years of experience for type of project in question.

2.2 MATERIALS

- A. Plastic Laminate: Meet appropriate NEMA standards for referenced grades.
 - 1 Exterior exposed cabinet faces: High pressure plastic laminate 0.030 inch thickness available in full range of solid color, wood grains and patterns.
 - 2 Interior exposed to view and semi exposed behind doors:
 - a. High pressure plastic laminate 0.030 inch thickness available in almond, gray or white color with matte finish. Provides a surface easy to clean and sanitize while providing maximum durability and stain resistance. Prevents moisture absorption and protects the structural balance and strength of the panel.
 - b. Premium Option: Exposed to view interiors to match exterior laminates in 0.030 inch thickness available in full range of solid color, wood grains and patterns.
 - 3 Exterior unexposed surfaces: Minimum 0.020 inch thickness, high pressure plastic laminate backing sheet, undecorated. Designed to assure structural balance of the panel.
 - 4 Countertops
 - a. Standard horizontal grade 0.050 inch thickness for all general-purpose work. Available in full range of solid colors, wood grains and patterns in matte or satin finishes.
 - b. Post-forming grade 0.042 inch thickness for coved countertops and where forming is required. Available in full range of solid colors, wood grains and patterns in matte or satin finishes.
 - c. All countertops are backed with .020 inch balancing sheet on underside of core to provide a moisture-proof and stable countertop.
- B. Pre-finished particle: Almond or white color factory finished 1/2 inch thick particle board. Designed for drawer bottoms.
- C. PVC Edge Banding: Impact resistant PVC edge banding machine applied with hot-melt adhesive.
 - 1 Standard 3mm thick at doors, drawer fronts and vertical case ends, 1mm thick at bottoms, shelves and sub-tops. Available in full range of Doellken Woodtape line, approximately 50 colors. Other colors are available with 5000 foot minimums.
 - 2 Optional 0.018 inch thickness available to meet design requirements of high pressure laminate "self-edge" specifications. Edge and corner profiling not available.
- D. Particleboard: Premium industrial grade board of balanced construction as manufactured by Flakeboard Division of Weyerhaeuser. Density of 45 lbs. per cubic foot with a moisture content of 8% or less. Option for FSC, NAUF and LEED particle board available at a premium.
- E. Pre-finished Plywood: 1/2 inch exterior plywood. Factory melamine or polyester resin overlay available in almond or white color. Used for drawer sides.
- F. Misc. Plywood Parts: 3/4 inch MDO Plywood as manufactured by Roseburg Forest Products / Simpson Plywood. Used at cabinet rails, sink counters and countertop build-ups.

2.3 HARDWARE

- A. Hinges:
 - 1 RPC 374 "The Rockford Hinge" five knuckle, fixed pin in chrome, black or almond powder coat epoxy finish. Steel hinge 2-3/4 inches high, of 0.095 inch stock, fastened with 5 screws to end panel and 4 screws to the door panel to provide maximum strength.
 - 2 Optional European Hinge: Blum 91A653 - 170 degree swing; self closing.
- B. Sliding Door Assemblies:
 - 1 3/4 inch sliding wood door: Grant Rocket 8000 series.
 - 2 1/4 inch sliding glass medium duty: Stylemark 102-6-11 sliding door track.
 - 3 1/4 inch sliding glass heavy duty: KV 992 sliding door track for large display cases.
- C. Pulls:
 - 1 Standard metal wire u-shaped in chrome, black or almond finishes.
 - 2 Semi - flush ABS plastic available in black or almond color.
- D. Adjustable Shelf Supports:
 - 1 Plated steel "Euro Pin" 5mm diameter. Hafele part no. 282.04.711
 - 2 Shelf retainer for seismic conditions. Bainbridge part no. 3220 duel peg locking tongue support. Used with 5mm drilled hole system
- E. Clothes Rod: Knappe & Vogt 770-1 chrome plated steel rod. Rod support flange Knappe & Vogt 734 closed flange, 735 open flange.
- F. Drawer Guides:
 - 1 Standard box and pencil drawers: KV 8400 - 100lb full extension or Equal.
 - 2 File and large drawers: KV 8500-150lb full extension or Equal.
- G. File drawer accessories: Hanging file system at standard and lateral files. White colored PVC rack members. File folders not included.
- H. Magnetic Catches: Epcoc 1000LS in white color. Others available upon request.
- I. Locks:
 - 1 Drawers and hinged panel doors. Olympus 100 and 200 dead bold with 5 pin tumblers.
 - 3/4" sliding doors: National C8142 pin tumblers
 - 1/4" sliding glass doors: National C8140 pin tumblers.
- J. Wall standards and brackets: KV 87 and 187 heavy duty.
- K. Padlock hasp: Northeast Lock Corp part no. 5902 Pad lockable cam latch (Padlock by owner)
- L. Wire management grommets: Richelieu part no. 602700

2.4 FABRICATION

- A. Cabinet Construction: Tongue and groove lock shoulder joinery in combination with adhesive coated wire fasteners.
- B. Bases: Exterior grade 3/4 inch plywood with 1" particle board stringers. Bases are installed in continuous lengths to insure straight, level and true lines of casework.
- C. Countertops:
 - 1 Standard countertops: High pressure plastic laminate, either 0.050" general purpose or 0.042" postforming grade, bonded to 3/4" 45lb density particle board. Backed with 0.020" balancing sheet. Optional substrate of exterior plywood may be specified at sinks and other tops subject to extreme moisture. Self edged with same laminate as on the top surface of the countertop.
 - 2 Wire management grommet installed above electrical or data receptacles as required. Specify quantity.
- D. Cabinet Tops and Bottoms: 3/4 inch particle board overlaid with gray, almond or white high pressure plastic laminate 0.030 inch thickness. Unexposed surfaces backed with 0.020 inch thickness balancing sheet. Exposed edges trimmed with 1mm PVC banding available in multiple colors. See 2.2/A/2.b. Premium colors available at exposed to view.
- E. Cabinet Ends: 3/4 inch particle board overlaid with almond or white high pressure plastic laminate 0.030 inch thickness. Unexposed surfaces backed with 0.020 inch thickness balancing sheet. Exposed edges trimmed with 3mm PVC banding available in multiple colors. See 2.2/A/2.b. Premium colors available at exposed to view.

F. Fixed and Adjustable Shelves:

- 1 Standard shelves: 3/4 inch particle board for shelves up to 36 inches, 1 inch thick over 36 inches wide. Shelves overlaid with high pressure plastic laminate in almond, gray or white color. Premium color at exposed to view interiors. Front edge banded with 1mm PVC. Premium color edging at exposed to view interiors

Number of shelves provided unless otherwise requested.

Low and tall Storage

1 up to 36" high	4 up to 72" high
2 up to 48" high	5 up to 84" high
3 up to 60" high	6 up to 96" high

Upper storage

0 up to 24" high	2 up to 36" high
1 up to 30" high	3 up to 40" high

- 2 Heavy Duty Utility Shelves: 1" particle board overlaid with almond, gray or white high pressure plastic laminate. Exposed edges of 1mm PVC banding.
- 3 Hardboard Shelves: 1/4 inch oil impregnated, tempered brown hardboard, both sides finished. Appropriate for tote tray storage, cubbie storage or mail box shelves.
- 4 Open Shelves for Wall Mounted Standards: 3/4 inch particle board overlaid with almond, gray or white high pressure plastic laminate. Exposed edges of 1mm PVC Banding. Optional premium overlay with color of laminate from full range of solid colors, woodgrains and patterns.

G. Cabinet Backs:

- 1 Standard Backs: 1/2 inch particle board available in almond, gray or white colors. Premium color available in full range of solid colors, woodgrains or patterns.
- 2 Exposed backs" 3/4 inch particle board overlaid with high pressure plastic laminate available in full range of solid colors, woodgrains and patterns.

Premium option for interiors exposed to view: Laminate color in full range of solid colors, woodgrains and patterns.

H. Cabinet Doors: 3/4 inch particle board overlaid on interior face with almond, gray or white high pressure plastic laminate. Exterior face covered with high pressure plastic laminate in full range of solid colors, woodgrains or patterns.

I. Drawers:

- 1 Fronts: of 3/4 inch particle board overlaid on interior face with almond, gray or white high pressure plastic laminate. Exterior face covered with high pressure plastic laminate in full range of solid colors, woodgrains or patterns.
- 2 Sides: 1/2" prefinished plywood available in almond or white. Exposed edges 1mm PVC banding.
- 3 Sub-front and Back: 3/4" particle board overlaid with high pressure plastic laminate available in almond, gray or white colors. Exposed edge 1mm PVC banding.
- 4 Drawer Bottom: 1/2" prefinished particle let into drawer sides with continuous groove. Available in almond or white color.
- 5 Drawer guides: Full extension ball bearing guides. See hardware section for guide types.
- 6 Dust Selves: Between all drawers that lock. 3/4" particle board overlaid with 0.020" balance sheet or laminate off fall material.

PART 3 - EXECUTION

3.1 FIELD MEASURING:

Measurements will be verified of the supplier of casework at the jobsite to insure accurate fit of casework and countertops. All services rough in's need to be in prior to site visit. Sheet rock should be installed or about to be installed just prior to the site measuring.

3.2 INSTALLATION:

Installation to proceed upon completion of preliminary work done by other trades. Casework installed by factory trained personnel to insure accurate, true and level placement. Base secured to floor structure. Cases secured to wall structure. Countertops secured to cases. Cases and countertops scribed to adjacent walls and finished surfaces.

3.3 ADJUSTING, CLEANING:

Hardware adjusted for proper fit and function. Casework and adjacent areas left clean and free of installation debris. Wood trim and wood veneer casework left ready for field finishing by other trades.