

AAPG PLASTIC-LAMINATE-CLAD CASEWORK TECHNICAL DATA SHEET

AAPG Plastic-Laminate-Clad Casework

HPL-clad architectural casework per NEMA LD 3, AWI-graded, for durable commercial interiors.



AAPG Plastic-Laminate-Clad Casework — woodgrain HPL-clad wall and base cabinets with a solid-surface countertop in a commercial work room. Project installation shown for reference; laminate color, configuration, and hardware are as specified for that project rather than as documented on this sheet.

PRODUCT OVERVIEW

AAPG Plastic-Laminate-Clad Casework is factory-fabricated commercial casework — base, wall, and tall cabinets — with high-pressure decorative laminate faces over balanced composite-core panels, graded to the AWI Architectural Woodwork Standards. Durable, cleanable HPL surfaces per NEMA LD 3 and full-extension soft-close hardware make it the commercial workhorse for high-use interiors. Reference specification: Section 06 41 16 - Plastic-Laminate-Clad Architectural Cabinets.

Reference standards	AWI AWS • NEMA LD 3
Grade	Premium or Custom
Laminate	HGS horizontal / VGS vertical (NEMA LD 3)
Cabinet bodies	3/4" (19 mm) particleboard / MDF
Panels	Balanced (laminate face + backer)
Formaldehyde	TSCA Title VI / CARB compliant

TECHNICAL DATA

Characteristic	Technical data
Grade	AWI Architectural Woodwork Standards (AWS), Premium or Custom Grade
Construction type	Flush overlay, reveal overlay, frameless (European), or face-frame
Cabinet bodies	3/4" (19 mm) industrial particleboard or MDF core, faced with high-pressure laminate and a balancing backer
Exposed surfaces	High-pressure decorative laminate, NEMA LD 3, Grade HGS (0.048" / 1.2 mm) at horizontal surfaces and Grade VGS (0.028" / 0.7 mm) at vertical surfaces; semi-exposed surfaces cabinet-liner-grade laminate or thermally fused laminate
Balancing / backer sheet	NEMA LD 3 backer (BKL) or laminate of equal thickness applied to the reverse of laminate-faced panels to balance the assembly and control warp
Edge treatment	PVC edgeband (1 mm or 3 mm), ABS edgeband, self-edge laminate, or wood edge; matching or contrasting
Backs	1/4" (6 mm), set into grooved sides; continuous hanging rails at wall cabinets
Adjustable shelves	Laminate-faced and balanced, edgebanded, on 5 mm pin or twin supports
Drawers	Doweled multi-ply, steel-sided, or dovetailed boxes; full-extension soft-close slides, 100-lb (45 kg) class, or heavy-duty 150-lb (68 kg) class where indicated
High-pressure laminate	NEMA LD 3; Grade HGS at countertops/horizontal, Grade VGS at doors/fronts/vertical, Grade HGP (postforming) where profiled; color, pattern, and finish as scheduled
Countertops (where scheduled)	3/4" (19 mm) moisture-resistant particleboard or MDF core with NEMA LD 3 HGS laminate (HGP postforming at profiled edges and coved backsplashes); self-edge, postformed, applied-wood, or beveled edge
Cabinet hardware	ANSI/BHMA A156.9, commercial grade; concealed European-style adjustable soft-close hinges (minimum 110 degrees); pulls as scheduled; cam/keyed locks; levelers and grommets
Composite panels	Comply with TSCA Title VI / CARB for formaldehyde. Particleboard ANSI A208.1; MDF ANSI A208.2
Surface burning characteristics	ASTM E84; Class A, B, or C as required by code and the authority having jurisdiction, where required. Independent test reports to be submitted
Environmental limits	Maintain 60 to 80 °F (16 to 27 °C) and 35 to 55 percent relative humidity during storage, installation, and the product life cycle. Acclimate 48 hours prior to installation
Warranty	One (1) year from the date of Substantial Completion against defects in materials and manufacture, unless otherwise stated. Refer to AAPG's published warranty for full terms
Applications	Commercial, institutional, education, healthcare, and high-use interiors requiring durable, cleanable surfaces

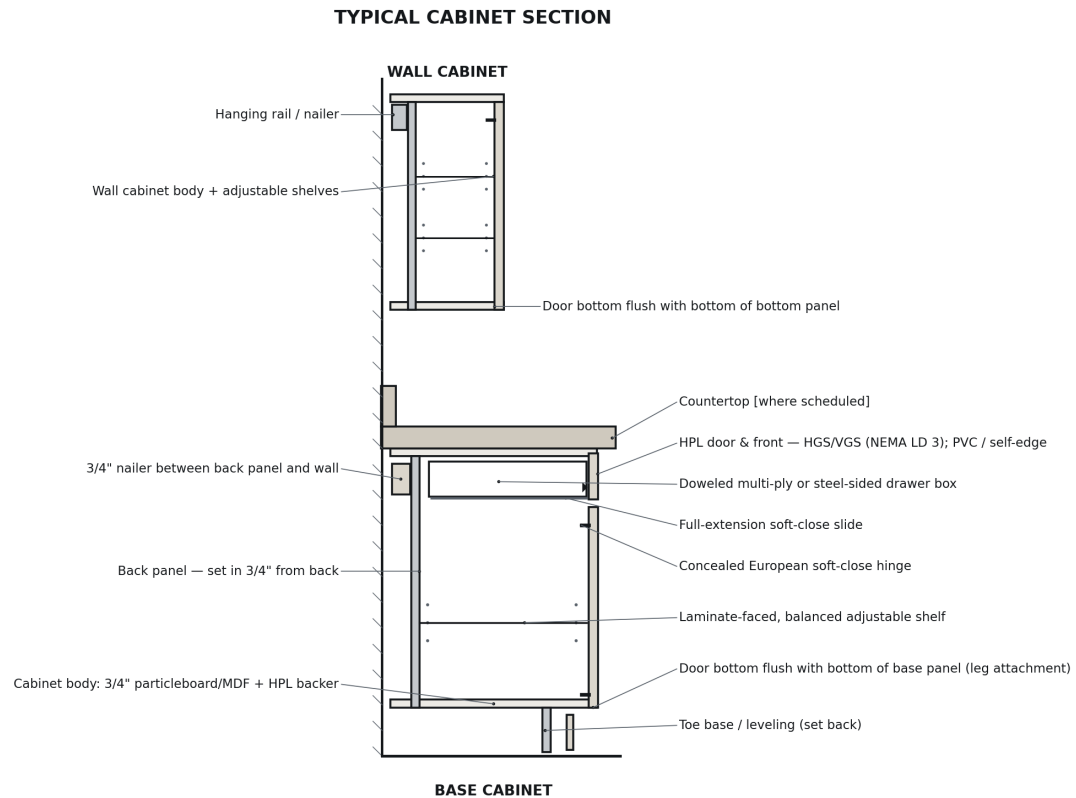
Casework is custom-fabricated to project drawings. Sizes, configurations, laminate colors, and edge treatments are as scheduled and detailed for each Project.

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Installation. This data sheet is issued for product selection and design coordination only. **It is not an installation instruction, and nothing on this document is to be used for installation.** Install in accordance with AAPG's current published installation instructions and the approved shop drawings, which govern. Wood blocking and in-wall reinforcement for attachment are not furnished under this Section.

Typical Cabinet Construction — Section

A typical base and wall cabinet section. Plastic-laminate-clad casework uses HPL faces over balanced composite-core bodies per NEMA LD 3, with edgebanded or self-edge treatment and soft-close hardware.



AWI AWS Grade · NEMA LD 3 · balanced panels · TSCA/CARB

Schematic base and wall cabinet section showing typical construction and hardware. Component locations and proportions are schematic and shown for reference only; casework is custom-fabricated to project drawings.