

SCIENCE COLLECTION STORAGE SPECIFICATION

The Science Collection blends multiple Fleetwood storage collections to create effective learning environments. Around the classroom perimeter, utilize Fleetwood's flexible alternative to built-in cabinets, called Illusions. Each Illusions pseudo built-in cabinet features hidden casters, so units quickly roll into place and securely connect via a toolless, patented design. Within the active learning area, put specially designed Sheerline multi-purpose storage solutions and Fleetwood group tables to work. Sheerline boasts an industrial-style aesthetic mixed with rugged performance that stands up to the most demanding classroom challenges. The line features tough steel-framed storage units, heavy-duty steel shelves, and industrial casters. For science applications, chemical-resistant or phenolic-resin oversized worksurfaces top off storage units to create multi-functional student work areas. Or, if seated-height or standing-height tables are desired, Fleetwood's durable metal- or wood-base offerings will provide the performance science rooms demand. All storage and tables utilize the same color palette to create a holistic, unified environment. Like other Fleetwood products, all units are Michigan-made and no visible exposed edges. Most units ship assembled for quick installation and are backed with a lifetime warranty.

Types of storage units for classroom perimeter application:

- Pedestals (no concealed casters)
- Open and doored shelving cabinets
- Drawer cabinets
- Desk cabinets
- Open and doored sink cabinets
- Open and doored tray cabinets
- Corner fillers
- Open and doored wall-hung cabinets, including corner cabinets
- Wardrobes
- Presentation carts (no concealed casters)
- Base fillers and wall hung fillers
- Freestanding locker
- Wall-hung locker
- Cubby cabinets
- Learning walls with dry erase boards and technology integration

Classroom Perimeter Storage (Illusions) standard features:

- ¾" thick 45lb. density particleboard substrate with a balanced construction of color-matched, thermally fused laminate (TFL) on both sides of all horizontal and vertical outer and internal cabinet panels and shelves
- Permanently attached 3mm with ergonomic 1/8" radiused top edge and .018" thick color-matched or coordinating PVC edgeband bonded with hot-melt adhesive to all visible portions of cabinets and trimmed flush to create pry-proof edges and structural integrity. All door and drawer fronts have 3mm thick color-matched or coordinating PVC edgeband bonded with hot-melt adhesive and trimmed flush.
- Countertops constructed of 1" thick 45lb. density particleboard with a balanced construction featuring high pressure laminate (HPL or chemical resistant HPL) top surface and backer sheet. All front edges have 3mm thick color-matched or coordinating PVC edgeband permanently bonded with hot-melt adhesive on all edges and trimmed flush. Sides and backs have .018" thick color-matched or coordinating edgeband permanently bonded with hot-melt adhesive to create flush non-radiused edges between adjoining cabinets.
- Panels are butt jointed together using zinc-plated 16-gauge steel brackets fastened with #10x5/8" Phillips panhead screws.
- Cabinets interlock inline via two locking patented mechanisms located under the worksurface in recessed pockets. (US Patent #7,008,027)
- Unlike other cabinets, sink and 84" tall shelving and tray cabinets have levelers but no casters integrated into the base to prevent tipping hazards.

- Base cabinets feature both adjustable levelers and casters. The casters are plate-mounted, ball-bearing swivel design with molded plastic wheels with 2-1/2" diameter and 1" hard rubber tread. Casters tested to each hold 200 pounds (total of 800 pounds per unit) and roll over uneven surfaces.
- 72" high cabinets feature both adjustable levelers and casters. The casters are plate-mounted, ball-bearing swivel design with molded plastic wheels with 2" diameter and 1-5/8" wide hard rubber tread. Casters tested to each hold 300 pounds (total of 1,200 pounds per unit) and roll over uneven surfaces.
 - All casters are lag bolted to a 3/4" thick bottom panel with four screws.
 - All casters are concealed behind toe kick assembly and have no exposed fasteners
- 3/4" 45lb. density particleboard shelf. Shelf placement holes on 32mm increments to allow for shelf repositioning in field. Shelves mounted with 16-gauge steel shelf clips and #8x5/8 Phillips panhead screws.
- Learning walls feature upper and lower tracks made of extruded aluminum that support sliding markerboards and tackboards. Markerboards have porcelain surface with honeycomb core. Tackboards have vinyl covering over honeycomb core with aluminum perimeter extrusion.
- Gratnell-brand insertable frosted tray storage units with interchangeable, durable polypropylene trays in 3", 6" and 12" heights and are 12-1/2" wide and 17" deep. When not in unit, trays may be nested or stacked.
- 16- and 20-gauge cold-rolled steel drawer construction on box and file drawers mounted to 16" non-binding full-extension drawer slides on both box and file drawers. Drawers finished with electrostatically applied powder coating.
- Hinges are institutional overlay style with 270-degree swing with heavy-duty magnetic catches or European style with 125-degree swing magnetic snap-closing design.
- Door and drawer pulls are ADA compliant arch-shaped pulls that are 96mm on center, 132mm in length with 29mm projection
- Individual drawer and door cylinder-type locking mechanisms on closed storage units and keyed alike. Keyed alike available across multiple units.
- 100% factory-assembled storage. Units can be rolled into place, interlocked together, and transitioned to leveler support quickly and easily.

Active Learning Area Multi-Purpose Storage (Sheerline) storage types:

- Pedestals
- Rectilinear open and doored shelving storage
- Rectilinear open and doored shelving storage with oversized worksurface
- Demonstrator drawer/shelving mobile storage with oversized worksurface
- Elongated drawer storage
- Teacher's desks
- Wardrobes
- Tray storage
- Presentation carts

Active Learning Area Multi-Purpose Storage (Sheerline) standard features:

- Shelves and bottom panel fabricated from 20-gauge cold-rolled steel
- Support channels formed from 16-gauge cold-rolled steel with edges deburred to create a refined edge
- All metal frame parts and shelves finished with a baked enamel paint.
- Cabinet end panels shall be enclosed in welded "U" frame assemblies made of 17-gauge, 1" square, and 18-gauge, 3/4" square welded steel tubing.
- Cabinet wood panels made with 3/4" thick 45lb. density particleboard substrate with a balanced construction of color-matched, thermally fused laminate (TFL) on both sides of all horizontal and vertical outer and internal panels and shelves, except bottom panels.
- Permanently attached 3mm color-matched or coordinating PVC edgeband with ergonomic 1/8" radiused top edge bonded with hot-melt adhesive and trimmed flush on top panels to create pry-proof edges and structural integrity. Other exposed panels have .018" color-matched or coordinating PVC edgeband permanently bonded with hot-melt adhesive and trimmed flush on top and bottom.
- Tops of units with doors or drawers shall be reinforced with 1" x 1" structural steel angle.

- End and back panels secured in metal channel on the top of the cabinet on 60" and 72" units. End and back panels attached to the cabinet top with 16-gauge steel brackets fastened with #10 x 5/8" pan head screws on 26", 30", and 34" units. Panels shall be secured in steel frame with 2" long and #10 x 2 1/2" long #10 oval-head screws. Frames shall be anchored to the top with 2" long, 1/4" diameter hanger bolts and helix washers.
- Shelf placement holes on 32mm increments to allow for shelf repositioning in field
- Four ball-bearing, swivel-stem casters with sleeve-bearing axles integrated into cabinet steel frame on the extreme outboard corners to maintain maximum cabinet stability. Industrial polyurethane wheels shall be 5" in diameter with 1-1/4" wide non-marking thermoplastic elastomer tread for quiet use on hard or carpeted flooring. Optional locking casters available on front two casters. Casters tested to hold 300 pounds each (1,200 total) and roll over uneven surfaces.
- 20-gauge cold-rolled steel drawer construction on box and file drawers mounted to 16-gauge, non-binding full-extension drawer slides on both box and file drawers. Drawers finished with electrostatically applied powder coating.
- Science and demonstrator cabinet drawers fabricated from high-impact polystyrene and mounted on non-binding full-extension drawer slides.
- Hinges are institutional overlay style with 270-degree swing. NOTE: Right-hand door shall be equipped with a cylinder lock keyed alike unless otherwise specified. A single-throw locking device shall be installed on the left-hand door.) Heavy-duty magnetic catches keep doors closed.
- Door and drawer pulls are ADA compliant arch-shaped pulls that are 96mm on center, 132mm in length with 29mm projection
- Gratnell-brand insertable frosted tray storage units with interchangeable, durable (plastic type) trays in 3", 6" and 12" heights and are 12-1/2" wide and 17" deep. When not in unit, trays may be nested or stacked.
- Factory-assembled storage. Units can be rolled into place with no assembly required in field for quick and easy installation.
- Cloth blanket wrapped and cartoned packaging options available. If cartoned, skids are made from recycled materials.

Optional features:

- High pressure laminate (HPL) for worksurfaces
- Chemical resistant HPL for worksurfaces
- Chemical resistant phenolic-resin worksurfaces
- Custom laminates through specials
- Plastic tray combination options (3", 6" and 12" high) on all units with tray storage
- Additional shelves available

Surface materials palette:

- Proprietary TFL colors: 20
- Proprietary HPL colors: 21
- Wilsonart HPL laminates in 38 or 60 sheen finish
- Chemical resistant HPL: black
- Phenolic-resin worksurface: black
- Butcher block worksurface: natural

Warranty highlights:

- Fleetwood brand products are warranted to be free of defects in materials and workmanship for the life of the product.
- Normal wear-and-tear is not covered under warranty. Inappropriate application, incorrect installation, unauthorized alterations, improper maintenance, misuse, abuse or accident nulls warranty.
- Fleetwood will repair or replace free-of-charge any component that fails under normal use or provide refund or credit.
- Consumables, natural variations in product, and select non-standard products not covered under lifetime warranty.

- Some products have limited life coverage of 3, 5 or 12 years.
- See full warranty statement for details.

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For help creating your effective learning environment,
contact us at 616.396.1142 or sales@fleetwoodfurniture.com