

# ILLUSIONS 2.0 STORAGE SPECIFICATION

## Types of storage units:

- Open and doored shelving cabinets
- Drawer cabinets
- Desks
- Open and doored sink cabinets
- Open and doored tray cabinets
- Spanning worksurfaces
- Corner fillers
- Open and doored wall mounted cabinets, including corner cabinets
- Wardrobes
- Base fillers and wall mounted fillers
- Freestanding locker
- Cubby cabinets
- Hutches
- Monitor Hutch
- Bookcases
- Sliding markerboard units to use with monitor hutch

## Dimension Logic:

- Product designed on 3" and 6" width module. Units range from 15" wide to 48" wide.
- Product designed at 20" deep to support footprint compression or 24" deep for conventional planning.
- Product designed on 29", 33", 37", 68" 76", and 84" height logic. Platform height logic aligns with Designer 2.0 platform and Fleetwood table heights.
- All dimensioning is nominal.

## Standard features:

- .75" 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, toe kick and shelves, except bottom panels. Bottom panels and top are constructed of 1" thick 45lb particleboard.
- Particleboard worksurfaces (44" high and below) have 1" thick 45lb. density particleboard substrate and feature balanced construction with high pressure laminate (HPL) on top and .028" cabinet liner backer on bottom of worksurface. In addition to standard HPL, markerboard HPL or custom HPLs are available.
- Particleboard tops (68" high and above) have 1" thick 45lb. density particleboard substrate and feature balanced construction with a balanced construction of color-matched, thermally fused laminate (TFL) on both sides.
- Permanently attached color-matched or coordinating PVC edgeband that is 3mm on front edge of top panel, and 1mm on all other visible edges and panels. 3mm edgeband has ergonomic 1/8" radiused top edge. Edgeband is bonded with hot-melt adhesive and trimmed flush on top, bottom, and sides of all visible portions of cabinets to create pry-proof edges and structural integrity.
- Cabinets are constructed using 8mm wood dowels for alignment and strength, and mechanical CAM locks for attachment. CAM lock system consists of 10mm steel and plastic mechanical dowels and 15mm zinc cam locks. #8 and #10 sized screws are used for partition and angle iron attachment.

- Stand-alone Base and Tall Cabinets that are 20" deep will have counter-balance weights to prevent tipping. 20" deep Base and Tall Cabinets that are ganged together during installation will not have counter-balance weights. Bookcases 14" deep, require attachment to a wall and will not have counter-balance weights.
- Structural .75" x .75" metal reveal is integrated on the top front of all units and backs of base units to control deflection.
- Cabinets are standard with levelers. 68" high and below cabinets have the option for both adjustable levelers and casters. 15" wide and 18" wide base cabinets are standard with levelers, regardless of height.
  - Levelers:
    - 4 leveling glides that are concealed underneath cabinet are inserted into threaded steel brackets which are attached to the end panels, and back or toe kick with #10 wood screws.
    - Front and back levelers can be adjusted with a special wrench at the base of the leveler.
    - Levelers have adjustment range of 4"
  - Concealed 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 evaluated to each hold 300 pounds (total of 1,200 pounds per unit) and roll over uneven surfaces.
    - All casters are lag bolted to a 1" thick bottom panel with four screws.
    - All casters are concealed behind toe kick assembly and have no exposed fasteners
- .75" thick particleboard or 20-gauge cold rolled steel shelving supported by steel brackets and plastic retainers so shelving cannot be accidentally dislodged.
- Shelf placement holes on 32mm increments to allow for shelf repositioning in field
- Gratnells-brand insertable frosted tray storage units with interchangeable, durable plastic 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.
- 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.
- Individual drawer and door cylinder-type locking mechanisms on closed storage units and keyed alike within the cabinet. Keyed- alike available across multiple units. Tall Wardrobe, GWF1, has non-locking doors.
- Hinges are European style with 120-degree swing and soft close feature.
- Door and drawer pulls are ADA compliant arch-shaped pulls that are 128mm on-center, 148mm in length with 30mm projection. Optional pulls, Urban or Metro are 128mm on-center, 138mm in length with 25mm projection.
- All case storage is factory-assembled. Caster units can be rolled into place, connected using field-installed through-bolt connectors, and transitioned to leveler support quickly and easily. Corner fillers are also factory-assembled.
- Spanner worksurfaces are field installed, while matched-width independent tops are factory-installed on base cases.
- Flat-panel .75" thick particleboard fillers are not factory-assembled and are custom-fit and installed in the field.
- Base cabinets connect using field-installed through-bolt connectors.
- Sink size accommodated is dependent on the sink brand and style of sink (drop-in vs undermount).
  - Max sink width = Cabinet width less 6.5"
  - Max sink depth = Cabinet depth less 7.25"
  - For example: 36" wide x 20" deep cabinet will hold a maximum 29.5" wide x 12.75" deep sink. 48" wide x 20" deep cabinet will hold a maximum 41.5" wide x 12.75" deep sink.
- Hutch cabinets have 10-gauge steel mounting plates factory installed to the bottom side of each hutch end panel with #10 x 2" flat head screws. Hutch is field installed to the top surface of the base cabinet using #10 x 3/4" flat head screws. Hutches connect to other hutches with through-bolt connectors. Hutches may also be connected to walls based on local codes.

- Sliding markerboard units to be used with Learning Wall Hutch and Learning Wall Monitor Hutch cabinets with extended top that provide a mounting surface for the top track of the sliding markerboard unit. The length of the sliding markerboard unit is determined by the total width of the hutch cabinets select. The unit is (3) tracks to accommodate up to 4 sliding markerboards.
  - Sliding Markerboard panel writing surface will be Writanium® 28-gauge steel face with porcelain enamel finish, fused to the steel sheet using a continuous coil process and shall be fused at a temperature of 1450 degrees. The gloss of the writing surface will not increase more than three units when subjected to wearability tests specified in testing procedures for 30 hours. Panel core material is 1/2" honeycomb with backing material that is .015" aluminum backing sheet. Panel metal trim shall be 6063 aluminum alloy with a T5 temper and 3/4" face. Panels shall have finger pulls, one pair per sliding panel.
  - Track shall be aluminum extrusions with clear satin anodized finish. Top Track is one-piece with integral fascia. Bottom track is one piece with smoothly curved ends. Map rail is standard 2" high continuous rail with colored cork insert. Nylon Rollers: Two per panel up to 4' wide and three per panel up to 8' wide. Nylon Guides: Two per panel up to 4' wide and three per panel up to 8' wide.

### Optional features:

- Plastic tray combination options (3", 6" and 12" high) on all units with tray storage. Tray lids available.
- Concealed Casters in addition to levelers.
  - Casters not available on 14" deep bookcases, sinks, desks, 15" wide and 18" wide base cabinets, 76" and 84" tall cabinets, or 48" wide cabinets that are 68" high with doors.
  - 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 evaluated to each hold 300 pounds (total of 1,200 pounds per unit) and roll over uneven surfaces.
  - All casters are lag bolted to a 1" thick bottom panel with four screws.
  - All casters are concealed behind toe kick assembly and have no exposed fasteners
- Additional shelves available
  - Laminate
    - .75" thick 45lb. density particleboard substrate with a balanced construction of color-matched, thermally fused laminate (TFL) on both sides with permanently attached color-matched or coordinating PVC edgeband that is 1mm thick on all edges.
    - Steel brackets and plastic retainers included
  - Metal
    - 20-gauge cold rolled steel shelving with electro-static powder coat paint finish
    - Steel brackets and plastic retainers included

### Custom features:

- Custom sizes and configurations through specials request process

### Surface materials palette:

- Thermally Fused Laminate (TFL) is available in woodgrains, solids, or patterns. 31 standard options with coordinating edgeband color.
- High Pressure Laminate (HPL) for worksurface/backsplash is available in woodgrains, solids, or patterns. 31 standard options with coordinating or contrasting edgeband colors. Wilsonart laminates, Chemical Resistant HPL, and Phenolic Resin also available as a graded-in custom material.
- Paint is available in 4 standard options.
- Arch-shaped pull available in chrome. 4 paint colors for Metro or Urban pull.
- Custom TFL and HPL (worksurfaces only) through specials request process with coordinating 3mm vinyl edgeband.
- Buying relationships established with Wilsonart, Formica, Nevamar, Pionite/Panolam, and other suppliers.

### Overall:

- Cloth blanket wrapped and carton packaging options available. If cartoned, skids are made from recycled materials.

### Warranty highlights:

- Fleetwood brand products carry a limited lifetime warranty, where 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 the warranty. Unauthorized alterations, improper maintenance, or abuse nulls warranty.
- Fleetwood will repair or replace free-of-charge any component that fails under normal use or provide refund or credit.
- Laminates, casters, levelers, and flip-and-nest mechanisms have a 12-year warranty.
- Some products have limited life coverage of 3 or 5 years. See full warranty statement for details.
- Consumables, natural variations in product, and select non-standard products not covered under limited lifetime warranty.
- See full warranty statement for details.