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Laminate, Backer & Adhesive
 GREENGUARD® Certified Components

SPECIFICATION

Mitchell Against Wall Mounted System

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PART 1 – GENERAL

1.1 Summary

- A. Section Includes: Wall Mounted folding table and benches with integral wall mounted cabinets.
- B. Coordinate work with work or other sections.
- C. Installation of Wall Mounted System is to be done by Mitchell installation professionals only.

1.2 References

- A. Certification and performance standards:
GREENGUARD® Certified Components: Mitchell table and bench top components have won the GREENGUARD Indoor Air Quality Certification® and the more stringent Children & Schools Certification by the GREENGUARD Environmental Institute (GEI). The laminate, backer and adhesive components have been tested for low emission of volatile organic compounds (VOC's). Mitchell uses certified components on its table products.

1.3 Mitchell Wall Systems Proprietary Design

- A. Automatic Down-Lock: Table and bench safety down locks automatically locks the two halves of the table/bench at the hinge averting the possibility of a jackknife from occurring. This lock shall consist of a .375" steel bar that seats in hinge.
- B. 17 Point Safety Locking System: Each single depth system (1 table/2 benches) lock with the cabinet at 17 points including a total of 6 top locks, 6 side locks, 3 bottom locks and 2 post locks
- C. Pocket Lock™: There shall be a Pocket Lock™ on each of two center mullions of the cabinet. These are manual keyed locks that when engaged will prevent unauthorized use of the system/
- D. Pocket Key™: A paddle shaped key engages the two-way offset cam of the Pocket Lock™, locking table/bench apron to the cabinet center mullions.
- E. Pocket Lever™: A long handle, steel release lever used to disengage the 3 bottom locks from the cabinet.
- F. Surface of table and bench shall be smooth, easy to clean and free from lock holes.
- G. Side Locks: Mitchell Track Arm Pins™ are simple, spring release .50" steel rods with black nylon tips that manually lock into the cabinet side channels and are devoid of complicated connecting rods.
- H. Table Lift Assists: 4 torsion bars store and release energy, steel on steel connection with apron located internally in the upper leg of each of four table legs. These provide 35 lbs. of lift assist and slow the decent of table from cabinet to floor.
- I. Bench Lift Assists: 1 Pneumatic gas tube connecting bench end leg with benches center "Hat Channel" apron helps slow decent from cabinet and provide 45 lbs. of lift assist.
- J. Center Crisscross Legs: 4 – 1" x 1" Box Steel Center legs are crisscrossed under the center of the table/bench providing critical support under the center of table and bench.

1.4 Submittals – Relevant data listed below is to be furnished by Mitchell to the Architect or Contractor at anytime during the undertaking of the project.

- A. Product Data: Submit Mitchell's product data information including installation instructions:
 - 1) Detailed product information on each type of wall system including: Against Wall, Set-In Wall and Half-In Half-Out



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- 2) Wall System with design information relative to materials, dimensions, components including choices (core, edge treatment, laminate finishes.)
 - 3) Mitchell Engineer's Architectural Data Specification.
 - 4) Mitchell Wall Mounted Owner's Manual with detailed installation instructions, operation procedures, maintenance, trouble shooting guide and parts list.
 - 5) Mitchell's Wall Mounted Sell Sheet and Features/Benefit Sheet.
 - 6) Material Safety Data Sheets.
- B. Engineering Drawings: to include detailed product dimensions, rough opening requirements (Set-In and Half-In Half-Out) profiles and finishes covering all systems.
- C. Samples:
- 1) High-pressure plastic laminate color selection includes Wilsonart or Pionite Laminate Brochures and color chips with patterns and textures.
 - 2) Steel sample with jet black epoxy powder coated finish.
 - 3) Table/bench top sample including core, edge, laminate, and backer sheet.
 - 4) Pocket Key™ steel mullion key

1.5 Assurance

- A. Installer Credentials:
- 1) The installer engaged for the work involved with the undertaking of this Wall Mounted project is to be approved by the manufacturer. The installer is to have experience with the installation of wall systems and with the nuances involved.
- B. Quality Control
- 1) The manufacturer is prescribed to a quality assurance system with its production of the wall mounted system.

1.6 Shipment and Handling – Relevant information on this subject is detailed in the "Wall Mounted 08 Series Owner's Manual"

- A. Shipment:
- 1) Systems are shipped by a licensed furniture carrier.
 - 2) Tables and benches are shipped on pallets complete, individually cartoned, labeled and ready to install.
 - 3) Cabinets are shipped upright individually boxed.
- B. Storage:
- 1) Manufacture recommends inspecting and installing product immediately upon delivery
 - 2) If product is to be stored do so in original shipping material. Cabinets are to be stored upright.
 - 3) Protect product to be stored in safe location and away from any harmful environmental conditions. Keep dry and in location with low humidity.

1.6 Warranty

- A. Mitchell Warranty covers parts and workmanship including welds. Replacement or repair of the item under warranty shall be at the discretion of the manufacturer. Warranty does not cover misuse of product by operator of the equipment.
- B. Warranty coverage is offered to the original purchaser of the product. The warranty is non-transferrable.
- C. Warranty becomes void if product is defaced or modified.
- D. Warranty period is 15 Years from date of delivery.

PART 2 – PRODUCTS

2.1 Mitchell Against Wall Mounted System with Filler Panels

- A. 08 Series
- 1) Manufactured entirely by Mitchell Furniture Systems since 1896
 - i. Contact: 1700 W. St. Paul Ave., Milwaukee, WI 53233; 800/290-5960 or 414/241-3111; Fax 414/342-4239
www.mitchell-tables.com, sales@mitchell-tables.com
 - 2) Standard Table/Bench Length Dimensions



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- i. 14' Nominal - 13'-9" L (165") folding table/benches (A Wall Cabinet O. A. Height Flat Top 87-1/2") (30° Sloping Top Cap Cabinet Single Depth 90-15/16" OAH, Double Depth 94-1/8" OAH, Triple Depth 97-1/4" OAH, Quad Depth 100-1/2 OAH")
 - ii. 13' Nominal - 13'-3" L (159") folding table/benches (A Wall Cabinet O. A. Height Flat Top 84") (30° Sloping Top Cap Cabinet Single Depth 87-7/16" OAH, Double Depth 90-5/8" OAH, Triple Depth 93-3/4" OAH, Quad Depth 97" OAH)
 - iii. 12' Nominal - 11'-9" L (141") folding table/benches (A Wall Cabinet O. A. Height Flat Top 75-1/2") (30° Sloping Top Cap Cabinet Single Depth 78-15/16" OAH, Double Depth 82-1/8" OAH, Triple Depth 85-1/4" OAH, Quad Depth 88-1/2" OAH)
 - iv. 10' Nominal - 9'-9" L (117") folding table/benches (A Wall Cabinet O. A. Height Flat Top 63-1/2") (30° Sloping Top Cap Cabinet Single Depth 66-15/16" OAH, Double Depth 70-1/8" OAH, Triple Depth 73-1/4" OAH, Quad Depth 76-1/2" OAH)
 - 3) Standard Table/Bench Width Dimensions
 - i. 30" W Table with 12" W Benches (A Wall Cabinet O. A. Width 63-3/4")
 - ii. 28" W Table with 12" W Benches (A Wall Cabinet O. A. Width 61-3/4")
 - iii. 28" W Table with 10" W Benches (A Wall Cabinet O. A. Width 57-3/4")
 - 4) Standard Table/Bench Height Dimensions
 - i. 29" H Table with 17" H Benches
 - ii. 27" H Table with 17" H Benches
 - iii. 25" H Table with 15" H Benches
 - 5) Standard Cabinet Sizes
(Note: Each Table & Bench have an "Inner" and an "Outer" Half)
 - i. Single Depth: One Table and Two Benches (A Wall Cabinet Depth 5-15/16")
 - ii. Double Depth: Two Tables and Four Benches (A Wall Cabinet Depth 11-3/8")
 - iii. Triple Depth: Three Tables and Six Benches (A Wall Cabinet Depth 17")
 - iv. Quad Depth: Four Tables and Eight Benches (A Wall Cabinet Depth 22-1/4")
 - 6) Custom ADA Systems are available
 - i. 30" H Table with 17" H Benches
 - 7) Table and Benches
 - i. Table and bench understructure shall be #16-gauge cold rolled steel (ASTM A513) unitized welded structure with hinges, leg pivot locators and gussets. Parallel 1.75" high steel channel aprons with "U" shaped profile and having returned edges rolled to #11 gauge, dressed off at ends for safety. Benches shall also have steel mid-channels.
 - ii. Table and bench legs are robotically welded with #14 and #16-gauge round tubular steel end legs and 1" x 1" square tubular steel center legs which are crisscrossed providing extra strength at center of table/bench. Retention clips shall be used for all legs at the center of the top tubes for added safety.
 - iii. Finish: Jet black epoxy powder coat
 - iv. Wheels: Table and bench end legs shall have 2" thick non-mar stationary wheels. Table center legs shall have 2" thick non-mar swivel casters. Bench center legs shall have nickel plated glides. Table end legs shall be recessed.
 - v. Core Material:
 1. With Mitchell DuraBond™ – Polyurea shall have .75" thick MDF with a density of 45 PCF
 2. With Mitchell DuraEdge™ – Polyvinyl T Mold shall have .75" thick Resin Wood with a density of 45 PCF
 3. .75" thick Plywood with either edge is also available
 - v. Fasteners: Tops shall be fastened to steel frame 6" O.C. with full threaded hex head screws having 300 lbs. hold strength.
 - vi. Edge Material:
 1. Mitchell DuraBond™ black Polyurea, hermetically sealed, moisture retardant edge w/Phenolic backer.
 2. Mitchell DuraEdge™ black Polyvinyl T-Mold, extended bullnose, for bump protection w/Gator™ backer.
 - vii. Laminate: Wilsonart or Pionite color, pattern and wood grain choices. Laminate shall meet or exceed NEMA Standard LD3-1980.
 - viii. Design Feature: Automatic anti-jackknife down locks secure the table/bench halves as one.
 - ix. Design Feature: 17 locking points designed to secure the table/bench to the cabinet.
 - x. Design Feature: Pocket Lock™ and Pocket Key™ shall help prevent unauthorized use of equipment.
 - xi. Design Feature: Pocket Lever™ shall aid operator of equipment to unlock table/bench at bottom of cabinet.
 - xii. Design Feature: Track Arm Pins offer an uncomplicated spring loaded procedure to secure sides of



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- table/bench to cabinet.
- xiii. Design Feature: Table lift assists include 4 torsion bars which shall be located in each of four legs, provide 35 Lbs of lift assist, store and release energy as table/bench is taken in and out of cabinet.
 - xiv. Design Feature: Bench lift assists shall include (1) Pneumatic gas tube strut.
 - xv. Design Feature: Four center legs of table and bench shall be crisscrossed providing extra strength at center of top.
- 8) Wall Storage Cabinets
- i. Center Posts, top caps, and backing sheets shall be welded #16-Gauge steel.
 - ii. Full sills and tops shall be welded #14-gauge steel.
 - iii. Cabinets shall have nine welded components; these shall be mechanically fastened together for easy component replacement. All cabinet assemblies are shipped fully assembled for quick installation. Front posts shall be seamed at edge to prevent scraping of table and bench.
 - iv. Backing sheets, each compartment, is tamper-proof assembly without any exposed mechanical fasteners.
 - v. Finish: Process shall include iron acid phosphate treatment and rinse; phosphate coated for rust protection; shall be sprayed with hybrid epoxy powder coat and baked; jet black finish. Additional finishes shall be considered.
 - vi. Design Feature: The upper half of each cabinet post surface shall have a riveted 1/8" x 1" plastic guide.
 - vii. Design Feature: Pocket Lock™ and Pocket Key™ shall help prevent unauthorized use of equipment.
 - viii. Design Feature: Pocket Lever™ shall aid operator of equipment to unlock table/bench at bottom of cabinet.
 - ix. Design Feature: Top cap depth guides shall be #16-gauge steel, factory welded to top cap assemblies.
 - x. Design Feature: Sloping Against Wall Cabinets (SLP) shall be a standard 30°.
 - xi. Design Feature: Against wall cabinets shall have a 1" radius bull nose corner detail on end posts for safety.

PART 3 – INSTALLATION – MAINTENANCE – INSTRUCTION

3.1 Instructions: Mitchell Against Wall Mounted System

- A. Comply with instructions and recommendations detailed by manufacturer.

3.2 Examination of Substrate Conditions

- A. Inspect site where the cabinet will be installed and confirm conditions are acceptable.
 - 1) To be coordinated with Authorized Mitchell Dealer and with General Contractor
 - 2) Upon completion of site inspection:
 - a. Ensure wall dimension of the space will accommodate cabinet height and that there are no obstructions that will hamper cabinet mounting. Dealer shall report same to Mitchell Customer Service.
 - b. Ensure the same for the width, making certain the overall width of the cabinets and filler panels will fit. Dealer shall report same to Mitchell Customer Service.
 - c. Dealer shall note any conditions affecting performance of Wall Mounted System.
 - 3) Do not proceed with installation until approval of information received has been confirmed and approved by Mitchell Customer Service.
 - 4) These steps shall be necessary to ensure the correct systems having the correct dimensions are delivered to site.

3.3 Installation: Mitchell Against Wall Mounted System

- A. Installation shall be conducted by authorized and Mitchell trained personnel who will install cabinet, table and bench system according to manufacturer's written instructions, as shown, and as specified.
- B. Coordinate with responsible party in field to perform corrective work on unacceptable mounting surfaces.
- C. Comply with recommendations detailed by Mitchell's written instructions and shop drawings.
- D. Installation must be done over a level surface with no more than a .125 change in height over a 10' space.
- E. Installer is to provide fasteners for mounting purposes.
- F. Four mounting holes shall be predrilled by the manufacturer in the cabinet sill. Mitchell recommends 1.25" Tapcon Flat Head screws with 5/8" washers.



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- G. Four mounting holes shall be pre-drilled by the manufacturer (two in table compartment and one in each bench Compartment) – these are located on the back wall of the cabinet just below the top lock depth guides. **Mounting in any other area of the back wall may result in damage to the laminate.** Mitchell recommends 1.25" x .25" hex head screws with 5/8" washers.)
- H. Carpeting is not recommended as a floor covering
- I. Cushioned sports flooring is not recommended as a floor covering.
- J. Height of finished floor must be within .0625 of cabinet sill.

3.3 Adjustments

- A. Touch up finishes shall be available upon request of Mitchell Customer Service.
- B. Test and adjust equipment as needed to complete field installation.

3.4 Cleaning and Maintenance

- A. Keep site clean and free from accumulation of debris especially at sill area.
- B. Laminate surface may be cleaned with any detergent or spray cleaner.
- C. Follow regular maintenance guidelines outlined in owner's manual.
- D. Replacement parts are available through Mitchell Customer Service, Milwaukee, WI 800/290-5960

3.5 Operator Instruction and Final

- A. Operators are to be instructed by the installer as to the proper handling, operation and maintenance of the system.
- B. An "Operator Instruction" poster is sent with the Owner's Manual and Pocket Key™. This is to be mounted in a location where operators can easily see and readily use.
- C. Trouble shooting guidelines are offered in the Owner's Manual.
- D. Installer is to complete "Installation Checklist" and return to Mitchell Customer Service to ensure warranty coverage.

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