



PO Box 1156  
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www.mitchell-tables.com



Laminate, Backer & Adhesive  
GREENGUARD® Certified Components

## SPECIFICATIONS

### Mitchell "08" Series Recessed (Set-In) Mounted Cabinet, Table and Bench System Written Specification

#### PART 1 – GENERAL

##### 1.1 SUMMARY

- A. Provide recessed mounted cabinet, table and bench system, complete as shown and specified.
- B. Coordinate work with work or other sections and specify exact wall measurements.
- C. Installation of Wall Mounted System is to be done by trained professionals only.

##### 1.2 SUBMITTALS & REFERENCES

- A. ENGINEERING DRAWINGS: Submit cad cam drawings showing product details and dimension requirements.
- B. GREENGUARD CERTIFIED COMPONENTS: Mitchell tabletop components have won the GREENGUARD Indoor Air Quality Certification and the more stringent Children & Schools Certification<sup>SM</sup> 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.
- C. Mitchell Wall Mounted Owner's Manual with parts list and trouble shooting guide.
- D. A long handled release handle/lever shall be provided to disengage the storage lock mechanism.
- E. The laminated table and bench surface shall be smooth and free from any mechanical devices that may cause an unsanitary condition to exist, or personal injury to occur.
- F. The cabinet shall be provided with six depth guides that will secure the table and bench in the cabinet.
- G. Recessed cabinets shall be manufactured with a 3" W right and left side flanges and 3-1/2" W top flange to overlap and cover the rough wall opening.
- H. Track Arm pins, tracks table/bench in cabinet channel, shall be spring loaded, 1/2" steel rod, end-capped with bronze oilite bearings.
- I. Table and bench aprons shall be constructed using cold rolled steel channel and shall be end-capped to eliminate sharp edges.
- J. SAMPLES: Submit the following...
  1. Laminate: Wilsonart color brochure offering manufacturer's standard color selection. 2" x 3" sample of the laminate is available upon request.
  2. Table/Bench Top: A 3" x 3" sample complete with laminate, backer board, core material and edge treatment is available upon request.
  3. Steel Finish: A Jet Black powder coat sample is available upon request.

##### 1.3 PRODUCT HANDLING



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A. Refer to Section 01610

1.4 GUARANTEE

- A. Submit in written warranty 5 years parts and 10 years welds.

PART 2 – PRODUCTS

2.1 MATERIALS

A. Board

1. Particle Board: Tables with DuraEdge® edge treatment shall have one single 3/4" sheet having a density of at least 45 PCF.
2. MDF Board: Tables with ArmorEdge® edge treatment shall have one single 3/4" sheet having a density of at least 45 PCF.
3. Plywood: 3/4" A/C grade plywood is an option for either of the two listed above.

B. Laminate: Shall meet or exceed NEMA Standard LD3-1980.

C. Edge Treatment

1. DuraEdge® Black, thermoplastic polyvinyl chloride, UV stable, smooth, and mechanically fastened to the core 6" O.C.
2. ArmorEdge® Black sprayed-on Polyurea, and textured

D. Steel

1. Cold Rolled ASTM A513
2. Finish shall be electro statically applied Midnight powder coat. The surface shall be washed clean and acid rinsed prior to powder coat application.

E. Fasteners: Full threaded, hex head with 300 lbs. hold strength, placed 6" O.C.

F. Casters

1. 2" thick non-mar at table and bench ends.
2. 2" thick non-mar swivel at table center legs.

2.2 FABRICATION

A. Model 08-14 "S"-Set-in Series, 13'-9" L folding table/benches with steel cabinet

B. Model 08-13 "S"-Set-in Series, 13'-2" L folding table/benches with steel cabinet

C. Model 08-12 "S"-Set-in Series, 11'-9" L folding table/benches with steel cabinet

D. Model 08-10 "S"-Set-in Series, 9'-9" L folding table/benches with steel cabinet

1. Manufactured by Mitchell Furniture Systems
2. Each Mitchell Wall Mounted "S" Series is available in these models:
  - i. Single Depth: One Table and Two Benches
  - ii. Double Depth: Two Tables and Four Benches
  - iii. Triple Depth: Three Tables and Six Benches
  - iv. Quad Depth: Four Tables and Eight Benches



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3. Table width shall be 28" or 30"
  4. Table height shall be 27" or 29" (30" Special ADA)
  5. Bench width shall be 10" or 12"
  6. Bench height shall be 15" or 17"
  7. Wheelchair accessible seating at table ends
- E. Design and operation of tables and benches
1. 20 contact points locking system positively locks single depth tables/benches to the cabinet.
    - i. Six depth guide (**top locks**) locking points: Each cabinet pocket shall contain two each 2-1/4" 16 gauge folded steel depth guides which securely engages table and bench to the top of cabinet.
    - ii. Six 1/2" steel, spring loaded tracking pins - two per table and bench (**side locks**) capped with bronze oilite bearings lock tables and benches into channels within the cabinet side walls. These pins also are guides when folding and unfolding tables and benches.
    - iii. Six male and female (one per table/bench leaf) storage locks (**base locks**) fastened to the inner and outer leaves engage in the folded position securely locking the two halves of the table/bench together.
    - iv. Two tamper resistant manually operated post locks (one each per center posts) shall have a low profile housing with 1/4 turn actuation.
  2. Automatic, anti-jackknife down locks on all tables and benches.
  3. Tables and benches are removed from the stored position by disengaging the storage locks with the release handle (supplied.) Post locks must be unlocked before attempting removal.
  4. In "down" position, table and benches can be removed from cabinet by releasing the hidden, spring loaded track arm pins from cabinet channels.
  5. Lift assistance built-in
    - i. Tables shall have fully enclosed torsion bars that provide 35 lbs. of lift assistance and also control the table's downward movement to the floor.
    - ii. Benches (12', 13' and 14' models) shall have hydraulic gas cylinders.
  6. Table/bench assemblies shall have multifunction locking hinge assemblies that automatically lock the table/bench in the down position, provide anti-jackknife protection and secure the top of the assemblies in the cabinet when stored.
  7. Each table and bench has 14 gauge tubular brace rods that are adjustable providing the proper leg orientation with both the top and the floor.
- F. MANUFACTURING
1. Table and bench tops shall be constructed using a 3/4" particle board core with the DuraEdge® treatment and a 3/4" MDF board with Polyurea edge treatment. Each of these core materials will be laminated with NEMA approved high pressure laminate and a balancing backer sheet. (Optional plywood core.)
  2. Edge Treatment: Table and bench edge treatment available with either DuraEdge® cushioned Black thermoplastic polyvinyl chloride, UV stable, smooth, and mechanically fastened to the core 6" O.C. Or, ArmorEdge® Black sprayed-on Polyurea.
  3. Table and bench understructure shall be unitized integrating each component for additional strength. Parallel 1-3/4" steel channel aprons with rolled edges and safety end caps shall be reinforced with steel



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gussets.

4. Benches shall have a 16 gauge steel hat channel fastened to the center of each bench leaf for added support.
5. Table and bench legs shall be fabricated using 14 gauge round and square tubing. Retention clips shall be used for all legs at the center of the top tubes for added safety. 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 providing 360° seating when table is detached from cabinet.
6. Cabinets shall be constructed of 16 gauge cold rolled steel. Bottom sill shall be constructed of 14 gauge cold rolled steel. Nine components 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. Cabinets are finished with a powder coat finish (Midnight color.) Optional colors are available.

## PART 3 – EXECUTION

### 3.1 SUBSTRATE CONDITIONS

- A. Inspect site where the cabinet will be installed and confirm conditions are acceptable.
  1. Coordinate with responsible party in field to perform corrective work on unacceptable mounting surfaces.
  2. Beginning of work by factory authorized installer shall be considered as acceptable of conditions as they exist.

### 3.2 INSTALLATION

- 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.

### 3.3 ADJUSTMENTS

- A. Installation adjustments shall be initially completed by factory authorized personnel.

### 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 readily available through the Customer Service Department of Mitchell Furniture Systems, Inc., Milwaukee, WI

## PART 4 – Mitchell "S" Set-In Wall Model Numbers

### 4.1 Single Depth Models

- A. RD-08-14-3012-S – 14' Tables/Benches w/30" W Tables and 12" W Benches
- B. RD-08-14-3010-S – 14' Tables/Benches w/30" W Tables and 10" W Benches
- C. RD-08-14-2812-S – 14' Tables/Benches w/28" W Tables and 12" W Benches
- D. RD-08-14-2810-S – 14' Tables/Benches w/28" W Tables and 10" W Benches
- E. RD-08-13-3012-S – 13' Tables/Benches w/30" W Tables and 12" W Benches
- F. RD-08-13-3010-S – 13' Tables/Benches w/30" W Tables and 10" W Benches
- G. RD-08-13-2812-S – 13' Tables/Benches w/28" W Tables and 12" W Benches
  
- H. RD-08-13-2810-S – 13' Tables/Benches w/28" W Tables and 10" W Benches
- I. RD-08-12-3012-S – 12' Tables/Benches w/30" W Tables and 12" W Benches



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- J. RD-08-12-3010-S – 12' Tables/Benches w/30" W Tables and 10" W Benches
- K. RD-08-12-2812-S – 12' Tables/Benches w/28" W Tables and 12" W Benches
- L. RD-08-12-2810-S – 12' Tables/Benches w/28" W Tables and 10" W Benches
- M. RD-08-10-3012-S – 10' Tables/Benches w/30" W Tables and 12" W Benches
- N. RD-08-10-3010-S – 10' Tables/Benches w/30" W Tables and 10" W Benches
- O. RD-08-10-2812-S – 10' Tables/Benches w/28" W Tables and 12" W Benches
- P. RD-08-10-2810-S – 10' Tables/Benches w/28" W Tables and 10" W Benches

#### 4.2 Double Depth Models

- A. RD-08-214-3012-S – 14' Tables/Benches w/30" W Tables and 12" W Benches
- B. RD-08-214-3010-S – 14' Tables/Benches w/30" W Tables and 10" W Benches
- C. RD-08-214-2812-S – 14' Tables/Benches w/28" W Tables and 12" W Benches
- D. RD-08-214-2810-S – 14' Tables/Benches w/28" W Tables and 10" W Benches
- E. RD-08-213-3012-S – 13' Tables/Benches w/30" W Tables and 12" W Benches
- F. RD-08-213-3010-S – 13' Tables/Benches w/30" W Tables and 10" W Benches
- G. RD-08-213-2812-S – 13' Tables/Benches w/28" W Tables and 12" W Benches
- H. RD-08-213-2810-S – 13' Tables/Benches w/28" W Tables and 10" W Benches
- I. RD-08-212-3012-S – 12' Tables/Benches w/30" W Tables and 12" W Benches
- J. RD-08-212-3010-S – 12' Tables/Benches w/30" W Tables and 10" W Benches
- K. RD-08-212-2812-S – 12' Tables/Benches w/28" W Tables and 12" W Benches
- L. RD-08-212-2810-S – 12' Tables/Benches w/28" W Tables and 10" W Benches
- M. RD-08-210-3012-S – 10' Tables/Benches w/30" W Tables and 12" W Benches
- N. RD-08-210-3010-S – 10' Tables/Benches w/30" W Tables and 10" W Benches
- O. RD-08-210-2812-S – 10' Tables/Benches w/28" W Tables and 12" W Benches
- P. RD-08-210-2810-S – 10' Tables/Benches w/28" W Tables and 10" W Benches

#### 4.2 Triple Depth Models

- A. RD-08-314-3012-S – 14' Tables/Benches w/30" W Tables and 12" W Benches
- B. RD-08-314-3010-S – 14' Tables/Benches w/30" W Tables and 10" W Benches
- C. RD-08-314-2812-S – 14' Tables/Benches w/28" W Tables and 12" W Benches
- D. RD-08-314-2810-S – 14' Tables/Benches w/28" W Tables and 10" W Benches
- E. RD-08-313-3012-S – 13' Tables/Benches w/30" W Tables and 12" W Benches
- F. RD-08-313-3010-S – 13' Tables/Benches w/30" W Tables and 10" W Benches
- G. RD-08-313-2812-S – 13' Tables/Benches w/28" W Tables and 12" W Benches
- H. RD-08-313-2810-S – 13' Tables/Benches w/28" W Tables and 10" W Benches
- I. RD-08-312-3012-S – 12' Tables/Benches w/30" W Tables and 12" W Benches
- J. RD-08-312-3010-S – 12' Tables/Benches w/30" W Tables and 10" W Benches
- K. RD-08-312-2812-S – 12' Tables/Benches w/28" W Tables and 12" W Benches
- L. RD-08-312-2810-S – 12' Tables/Benches w/28" W Tables and 10" W Benches
- M. RD-08-310-3012-S – 10' Tables/Benches w/30" W Tables and 12" W Benches
- N. RD-08-310-3010-S – 10' Tables/Benches w/30" W Tables and 10" W Benches
- O. RD-08-310-2812-S – 10' Tables/Benches w/28" W Tables and 12" W Benches
- P. RD-08-310-2810-S – 10' Tables/Benches w/28" W Tables and 10" W Benches

#### 4.2 Quad Depth Models

- A. RD-08-414-3012-S – 14' Tables/Benches w/30" W Tables and 12" W Benches
- B. Contact the factory for additional models

Updated 9-01-10