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Laminate, Backer & Adhesive  
GREENGUARD® Certified Components



## SPECIFICATION

Mitchell ST 4 8 7 2 - C 4 2 9 , ST 4 8 7 2 - E 4 2 9  
ST 4 8 7 2 - C 4 2 9 - 8 , ST 4 8 7 2 - E 4 2 9 - 8

### Part 1 – GENERAL

#### 1.01 SUMMARY

A. Provide Mitchell ST – Standard Mobile PorTable complete, as shown and specified.

#### 1.02 SUBMITTALS & REFERENCES

A. ENGINEERING DRAWINGS are available upon request.

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). 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. SAMPLES and LITERATURE: Upon request will provide the following:

1. Laminate: Color brochure offering manufactures standard color selection, 448 color choice. 2" x 3" sample of the laminate is available upon request.
2. Table: A 3" x 3" sample of the table complete with top laminate, backer board, and core with edge detail is available upon request.
3. Steel: Jet Black Powder Coat or Nickel Chrome samples available upon request.
4. Four Color Sell Sheet is available upon request.

#### 1.03 PRODUCT HANDLING

A. Refer to standards for cartoned furniture.

#### 1.04 GUARANTEE

A. Submit in written form a warranty - 15 Year Warranty.

## PART 2 – PRODUCTS

### 2.01 MATERIALS

A.  $\frac{3}{4}$ " Particle Board Core: Table tops with DuraEdge™ T-Mold shall have one single piece with a density of at least 45 PCF. Or option:  $\frac{3}{4}$ " thick MDF with DuraBond™ Sprayed-on Edge. Or option:  $\frac{3}{4}$ " A/C grade plywood with DuraEdge™ T-Mold.

B. Laminate: Shall meet or exceed NEMA Standard LD3-1980 and balanced with industry grade backer sheets. When combined with core material the total thickness of table top shall be 13/16".

C. Edge: Shall be one piece extra heavy contoured DuraEdge™ a thermoplastic polyvinyl chloride that is UV stable, is nailed six inches on center to core, forms a sanitary seal, and is designed to protect edges from impact and damage. Or Option: DuraBond™ sprayed-on Polyurea, moisture retardant and sanitary edge.

D. Backer Board: DuraEdge™ tops are complete with black Gator™ Backer. DuraBond™ tops are complete with Phenolic™. Both backers provide excellent balance with laminate.

E. Steel: Cold Rolled ASTM A513

1. Leg Finish & all other steel parts in Jet Black Powder Coat
2. Leg Finish in Nickel Chromium & all other steel parts are Jet Black

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

### 2.02 FABRICATION

#### A. ST PORTABLE MODELS:

1. ST-4872-C429 48" x 72" Elliptical Oval Mobile Table with Benches & Chrome Legs
2. ST-4872-E429 48" x 72" Elliptical Oval Mobile Table with Benches & Black P-Coat Legs
3. ST-4872-C429-8 48" x 72" Elliptical Oval Mobile Table with 8-Seats & Chrome Legs
4. ST-4872-E429-8 48" x 72" Elliptical Oval Mobile Table with 8-Seats & Black P-Coat Legs
5. 27" H Tables are also Available

a. Manufactured by Mitchell Furniture Systems.

b. All ST Tables have 48" x 72" Elliptical Oval Tops with Individual Seats or Benches 27" or 29" H.

c. ST Benches are 10" W x 40" L x 17" H; ST Seats are 10" W x 16" L x 17" H

#### B. DESIGN OF TABLES:

1. Mobile tables shall fold and unfold in one easy motion by means of concealed and tamperproof counter-balancing torsion bars with additional assist from encapsulated spring tube assemblies mounted to the undercarriage.
2. Mobile tables shall be equipped with user friendly seating with access from either side of the bench without interference from bench height.
3. In folded position table locks automatically with  $\frac{1}{2}$ " D steel locking handle engaged with hinges. Down Lock  $\frac{1}{2}$ " Steel D Bar connects with hinges when table is in the user position.
4. The table shall be equipped with 4 - 4", heavy duty oil-less, non-marking, ball bearing swivel casters with stem held in cast aluminum alloy fittings that are part of the end leg assembly. When folded, table movement is user friendly.

5. Space shall be provided between table halves for ease of cleaning and for safety when table is folded and unfolded.
6. For safety purposes, when folded, undercarriage shall provide adequate mobile base to avoid tipping hazard under normal operating conditions.
7. Benches will have horizontal channels mounted under each and will be clear underneath of understructure supports for easy mopping under table. Individual Seats have large steel plates that the seat is fastened to providing "No Wobble" seating.

#### C. MANUFACTURING:

1. Table tops with DuraEdge™(T-Mold) shall be ¾" Resin Wood core with NEMA approved laminate top and backer sheet on underside with a total thickness of 13/16". Or tops with DuraBond™ (Sprayed-on Polyurea) shall be ¾" MDF. Option with DuraEdge™ ¾" A/C grade Plywood.
2. Dura-Edge™ table edges are mechanically secured by machine, driven into core material and then spot nailed at 6" O.C. around entire circumference of tabletop. Profile is extended bullnose and is excellent protection against bumps and is a moisture retardant edge.
3. DuraBond™ is a sprayed-on Polyurea moisture retardant, hermetically sealed and sanitary edge treatment.
4. End legs shall be constructed with 1 1/16" O.D. by .072 wall thickness welded high carbon steel tubing. Lower end leg is "Triple Tube" (tube on tube with lower tube having tube within, for maximum strength).
5. Dual center legs shall be 1" x 1", 16-gauge, box tubing and shall be designed to provide positive direct support for each half of the table top.
5. Table tops shall be supported by four channel aprons fabricated 1 ¾" deep of 16-gauge cold rolled steel. The edges of which shall be rounded and the ends of which shall be capped both for safety purposes. Flat type hinges between table halves shall provide maximum structural rigidity.
6. The frame shall be manufactured as a unitized construction. Welded steel brackets and fittings solidly join and position legs to channel top support aprons and anchor torsion bar lift assist mechanism.
7. Benches and seats shall be mounted on steel attachment plates for strength, and further held with rigid floor-level support structure.
8. The table tops shall be securely attached to understructure with full threaded hex-head sure-grip screws with a minimum holding power of 300 lbs.

### PART 3 – EXECUTION

#### 3.01 INSTALLATION

- A. Product shall be delivered fully assembled. If delivered blanket wrapped the product should be unwrapped and inspected for freight damage, then rolled to site location.
- B. Cartoned stock is to be removed carefully from carton and inspected for any shipping damage, then rolled to the site location.

#### 3.02 CLEANING AND MAINTENANCE

- A. Laminate surface may be cleaned with any detergent or spray cleaner.
- B. Mitchell products shall be designed for service longevity. Replacement parts are readily available through Parts Department, Mitchell Furniture Systems, Inc., Milwaukee, WI