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Laminate, Backer & Adhesive  
GREENGUARD® Certified Components

# SPECIFICATION

## Mitchell "ST" Shaped Table Portables

### Part 1 – GENERAL

#### 1.01 SUMMARY

A. Provide Mitchell ST – Shaped 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 particle board core with edge detail is available upon request.
3. Steel: Jet Black powder coat sample or chrome sample 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 - 5 Year on Parts and 10 Year on Welds.

### PART 2 – PRODUCTS

#### 2.01 MATERIALS

A. Particle Board Core: Table tops shall have one single piece with a density of at least 45 PCF (Optional 3/4" thick MDF or 3/4" thick A/C grade plywood are also available.)

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 Dura-Edge® 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. (Optional PolyEdge sprayed-on Polyurea.)

D. Steel: Cold Rolled ASTM A513

1. Leg Finish: Nickel Chromium

2. All other steel parts shall be finished with a Jet Black powder coat.

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

## 2.02 FABRICATION

A. Fold N Roll ST PorTables Models

1. ST-4872-C429-DE 48" x 72" x 29" w/Benches, Chrome & Dura-Edge®
2. ST-4872-E429-DE 48" x 72" x 29" w/Benches, Jet Black & Dura-Edge®
3. ST-4872-C427-DE 48" x 72" x 27" w/Benches, Chrome & Dura-Edge®
4. ST-4872-E427-DE 48" x 72" x 27" w/Benches, Jet Black & Dura-Edge®

a. Manufactured by Mitchell Furniture Systems.

b. Tables furnished in 48" x 72" elliptical shape; choice of either 27" or 29" H

c. Each of the four Bench Seats is 10" W x 40" 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 assembly mounted to the undercarriage.

2. Mobile ST PorTables shall have table tops that are elliptical in shape and shall be furnished with user friendly contoured seating that compliments the elliptical table top. Benches shall have access from either side of the bench without interference from seat or bench height, cross bars or understructure.

3. Mobile tables shall be provided with user friendly pedestal end leg design that avoids knee interference.

4. Locks automatically engage in both folded and in-use positions with easy access from both sides of the table.

5. 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.

6. Space shall be provided between table halves for ease of cleaning and for safety when table is folded and unfolded.

7. For safety purposes, when folded, undercarriage shall provide adequate mobile base to avoid tipping hazard under normal operating conditions.
8. Twin dual center legs provide positive, direct support of each half of the table

#### C. MANUFACTURING:

1. Table tops shall be  $\frac{3}{4}$ " particle board core with NEMA approved laminate top and backer sheet on bottom with a total thickness of  $\frac{13}{16}$ ". (Option:  $\frac{3}{4}$ " MDF or  $\frac{3}{4}$ " A/C grade Plywood.)
2. Dura-Edge® table edges are mechanically secured by being machine driven into core material groove and then spot nailed from the bottom at 6" O.C. (Option: PolyEdge sprayed-on Polyurea.)
3. End legs shall be constructed set back pedestal style made of .072 wall thickness welded high carbon round steel tubing. Lower end leg is "Double-Tube" constructed for maximum strength (tube within a tube).
4. Dual center legs shall be 1" x 1", 16-gauge, box steel tubing and shall be designed to provide positive direct support for each half of the table top.
5. Table tops shall be supported by two full length channels fabricated 1- $\frac{3}{4}$ " deep of 16-gauge cold rolled steel. The edges of which shall be rounded and the ends of which shall be capped 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 to round, 16 gauge steel tube leg supports.
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, Milwaukee, WI