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SPECIFICATION

Mitchell "FR" Fold N Roll Tables

Part 1 – GENERAL

1.01 SUMMARY

- A. Provide Mitchell FR Tables, complete, as shown and specified.

1.02 SUBMITTALS

- 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 CertificationSM 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 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 that shall consist of 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

E. Finish:

1. Two end-leg options

a. Nickel Chromium finish end legs. Nickel chrome is at least 50% more chrome thickness and nickel content than required by Standard Interior Commercial specification. Prior to application of chromium the surface shall be washed clean and acid rinsed.

b. Jet Black powder coated end legs.

2. All other steel parts shall be Jet Black powder coated.

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

2.02 FABRICATION

A. Fold N Roll FR Table Models

1. FR-48R-700-A 48" Round – Adjustable 22" to 29" – Chrome legs
2. FR-486-700-A 48" Hexagon – Adjustable 22" to 29" – Chrome legs
3. FR-484-700-A 48" Square – Adjustable 22" to 29" – Chrome legs
4. FR-60R-700-A 60" Round – Adjustable 22" to 29" – Chrome legs
5. FR-608-700-A 60" Octagon – Adjustable 22" to 29" – Chrome legs
6. FR-48R-E429 48" Round – 29" H - Powder Coated legs
7. FR-48R-C429 48" Round – 29" H - Chrome legs
8. FR-48R-E427 48" Round – 27" H – Powder Coated legs
9. FR-48R-C427 48" Round – 27" H – Chrome legs
10. FR-486-E429 48" Hexagon – 29" H – Powder Coated legs
11. FR-486-C429 48" Hexagon – 29" H – Chrome legs
12. FR-486-E427 48" Hexagon – 27" H – Powder Coated legs
13. FR-486-C427 48" Hexagon – 27" H – Chrome legs
14. FR-484-E429 48" Square – 29" H – Powder Coated legs
15. FR-484-C429 48" Square – 29" H – Chrome legs
16. FR-484-E427 48" Square – 27" H – Powder Coated legs
17. FR-484-C427 48" Square – 27" H – Chrome legs
18. FR-60R-E429 60" Round – 29" H – Powder Coated legs
19. FR-60R-C429 60" Round – 29" H – Chrome legs
20. FR-60R-E427 60" Round – 27" H – Powder Coated legs
21. FR-60R-C427 60" Round – 27" H – Chrome legs
22. FR-608-E429 60" Octagon – 29" H – Powder Coated legs
23. FR-608-C429 60" Octagon – 29" H – Chrome legs
24. FR-608-E427 60" Octagon – 27" H – Powder Coated legs
25. FR-608-E427 60" Octagon – 27" H – Chrome legs
26. FR-72R-E429 72" Round – 29" H – Powder Coated legs
27. FR-72R-C429 72" Round – 29" H – Chrome legs

- 28. FR-72R-E427 72" Round – 27" H – Powder Coated legs
- 29. FR-72R-C427 72" Round – 27" H – Chrome legs
- 30. FR-4872-C429 Elliptical Shaped Table – Chrome legs
- 31. FR-4872-E429 Elliptical Shaped Table – Powder Coated legs
- 32. FR-6066-E429 60" x 66" Oval – 29" H – Powder Coated legs
- 33. FR-6066-C429 60" x 66" Oval – 29" H – Chrome legs
- 34. FR-6066-E427 60" x 66" Oval – 27" H – Powder Coated legs
- 34. FR-6066-C427 60" x 66" Oval – 27" H – Chrome legs
- 35. FR-6072-E429 60" x 72" Oval – 29" H – Powder Coated legs
- 36. FR-6072-C429 60" x 72" Oval – 29" H – Chrome legs
- 37. FR-6072-E427 60" x 72" Oval – 27" H – Powder Coated legs
- 38. FR-6072-C427 60" x 72" Oval – 27" H – Chrome legs

- a. Manufactured by Mitchell Furniture Systems.
- b. Tables furnished with standard 27" or 29" height.
- c. Tables also available in adjustable height 22" to 29" or 29" to 36".

B. DESIGN OF TABLES:

1. Tables shall fold and unfold in one easy motion by means of concealed and tamperproof counter-balancing torsion bars.
2. Table shall have user friendly pedestal leg design with 360° seating around the table to avoid knee interference and each table half shall be supported by two complete sets of legs.
3. Anchor pads shall be designed into the end legs safety lift-off device and shall lift the casters off the floor when table is folded in user position to provide a stationary and stable table.
4. There shall be eight (8) contact points providing solid contact of the table with the floor.
5. The table shall be equipped with four (4) 3" diameter, heavy duty oil-less, non-marking, ball bearing swivel casters for user friendly ease of moving the table when folded.
6. **Interceptor Lock:** Tables are equipped with a 2-stage, automatically functioning lock with manual release. The lock functions automatically in 2 ways to prevent finger pinching during operation and to lock the table flat down in the unfolded position. In the folded position, table locks automatically, with manual release with access from either side of the table. In unfolded position, heavy duty manual locks provide security and are located at hinge points.
7. For safety purposes, when folded, undercarriage shall provide adequate mobile base to avoid tipping hazard under normal operating conditions.
8. Chair placement shall be possible along entire length or ends of table without knee interference from table legs. (See point 2 above.)
9. **Flat-Type – Heavy Duty Hinges:** 48" categories equipped with two hinges, 60" categories equipped with four hinges for extra strength and long unit life.

F. MANUFACTURING:

1. Table's tops shall be 3/4" particle board core with NEMA approved laminate top and backer sheet on bottom with a total thickness of 13/16". (Option: 3/4" MDF or 3/4" A/C grade Plywood.)

2. Table's Dura-Edge® edge treatment is mechanically secured by being machine driven into core material groove and then spot nailed from the bottom at 6" O.C. A thermoplastic polyvinyl chloride edge that is UV stable, Dura-Edge shall have a smooth surface, will not crack or peel and will protect furniture from accidental bumping. Edge is mechanically pressed into a 3/32" x 5/16" location slot cut into the 3/4" table top. The patent pending Dura-Edge® design shall include a minute gasket that when mechanically pressed into the core material, forms a sanitary seal. (Optional PolyEdge sprayed-on Polyurea.)

3. End legs shall be constructed set back pedestal style made of 1 1/16" O.D. by .072 wall thickness welded high carbon steel tubing. Upright to be robotically welded to 1" x 2", 16-gauge, rectangular steel tube base.

4. Table tops are supported by two full length channels fabricated 1 3/4" 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.

5. The frame shall be manufactured as a unitized construction. Welded steel brackets and fittings solidly join and position legs and braces to channel top support.

6. The table tops shall be securely attached to understructure with full threaded hex-head sure-grip screws.

PART 3 – EXECUTION

3.01 INSTALLATION

A. Product shall be delivered fully assembled. If delivered as blanket wrapped freight 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