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SPECIFICATION

Mitchell "CB" ConVerTable Benches

Part 1 – GENERAL

1.01 SUMMARY

- A. Provide Mitchell CB – ConVerTable 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 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: 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 15 Years.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Particle Board Core: Table and bench 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 and bench 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 or Jet Black Powder Coat
 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. ConverTable Bench Models
1. CB-1729-C96 96" L x 29" H ConverTable Bench w/Nickel Chromium Leg
 2. CB-1729-E96 96" L x 29" H ConverTable Bench w/Jet Black Powder Coat Leg
 3. CB-1729-C84 84" L x 29" H ConverTable Bench w/Nickel Chromium Leg
 4. CB-1729-E84 84" L x 29" H ConverTable Bench w/Jet Black Powder Coat Leg
 5. CB-1729-C72 72" L x 29" H ConverTable Bench w/Nickel Chromium Leg
 6. CB-1729-E72 72" L x 29" H ConverTable Bench w/Jet Black Powder Coat Leg
 7. CB-1729-C60 60" L x 29" H ConverTable Bench w/Nickel Chromium Leg
 8. CB-1729-E60 60" L x 29" H ConverTable Bench w/Jet Black Powder Coat Leg
- a. ConverTable Bench is manufactured by Mitchell Furniture Systems.
 - b. Standard Table top: 29" H x 15" W and Bench top: 17" H x 12" W
- B. DESIGN of TABLES:
1. ConverTables fold from table position for use as bench-style seating simply by lifting table top at top center and rotating downward. Back automatically locks in position.
 2. ConverTables fold from bench-style seating for use as table with bench simply by lifting bench back vertically at the center rotating upward. Table top automatically locks in position.
 3. ConverTables easily form into cafeteria table with bench seating simply by butting two units together and manually clamping them together at the apron with rigid, swing-type locking fasteners, standard on all units.
 4. Compact storage is achieved from bench-style position. Benches easily fold up against bench back by rotating bench seat upward. Units are designed to nest together taking up little space.

5. Each unit shall be equipped with four 3" diameter, 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. Two casters are furnished with locking brakes. When folded, the CoverTable movement is user friendly.
6. For safety purposes, when folded, undercarriage shall provide adequate mobile base to avoid tipping hazard under normal operating conditions.
7. Table tops shall be supported by a continuous 1-3/4" "U" channel apron.
8. Bench tops shall be supported by three 1-1/16" steel legs. Each extends to floor and is capped with non-marring cushioned glide.

C. MANUFACTURING:

1. Table tops and bench 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. Dura-Edge® table and bench edges are mechanically secured by being machine driven into core material groove and then spot nailed from the bottom at 6" O.C. (Optional PolyEdge sprayed-on Polyurea.)
3. End legs shall be constructed of all-welded 1 1/4", 14 gauge steel tubing. All linkages are 3/16" thick by 1" wide, connected with 3/8" bolts and secured with nylon insert lock nuts.
4. End leg assemblies are nickel chromium plated. All other metal parts are thoroughly cleaned, phosphatized and coated with electrostatically applied powder coat for a tough and durable finish.
5. Table tops shall be supported by continuous rigid "U" shaped channels fabricated 1 3/4" deep of 16-gauge cold rolled steel. The edges of which shall be rounded for safety purposes.
6. Rigid, swing-type locking fasteners are made of 11 gauge plated steel. Each is supported with a spring for easy movement.
7. 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, Howell-Wakefield Corp., Milwaukee, WI