

95: SECTION [10811]
[DIAPER CHANGING STATIONS AND CHILD SAFETY SEATS]
OR
88: SECTION [10811]
[DIAPER CHANGING STATIONS AND CHILD SAFETY SEATS]

This section includes full-featured diaper changing stations and child safety seats for restrooms and fitting rooms.

Safe-Strap Company, Inc., a leading manufacturer of child safety equipment for over 20 years, manufactures a complete line of child safety products for restroom use. All products are independently tested and adhere to strict safety and quality standards.

Manufacturer shall have at least 20 years experience in the manufacturing of child safety equipment. Products should be manufactured under strict quality control measures and be covered under a product liability policy of no less than \$10,000,000.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Oval Diaper Changing Station
- B. Horizontal Diaper Changing Station
- C. Vertical Diaper Changing Station
- D. Child Safety Seat
- E. Basic Diaper Changing Station

1.02 RELATED SECTIONS

- A. Section 06110 – Wood Framing: Wood stud framing for support of accessories
- B. Section 05400 – Cold Formed Metal Framing: Metal stud framing for support of accessories
- C. Section 10150 – Compartments and Cubicles

1.03 REFERENCES

- A. Americans With Disabilities Act: Federal Register Volume 56, No.144,28 CFR Part 36; Regulations: 4.2.5, 4.4.1, 4.2.6, 4.23.3, 4.23.7, 4.27.4 (horizontal and vertical diaper changing stations), 4.32.3, 4.32.4
- B. ANSI A117.1 – Safety Standards for the Handicapped
- C. U.S. Superfund Amendments and Reauthorization Act (SARA) (313) – the plastic used in these products contains no “extremely hazardous substances.”
- D. ASTM F2285 – Consumer Safety Performance Standard for Commercial Diaper Changing Stations (Formally PS125-01)
- E. FDA 21 CFR 177.1520 (c) 3.1 – Use of Olefin polymers

1.04 CERTIFICATION

- A. Provide a copy of certified test data of the unit including:
 1. Submit certificate of coverage under manufacturer's liability policy
 2. Product contains no hazardous chemicals reportable under SARA (313) toxic release program
 3. Diaper changing stations comply with ASTM F2285-04 Consumer Safety Performance Standard for Commercial Diaper Changing Stations (Formally PS 125-01)
 4. Plastic used in the manufacturing of diaper changing stations comply with FDA 21 CFR 177.1520 (c) 3.1

1.05 WARRANTY

- A. Provide manufacturer's standard five year warranty and replacement insurance

PART 2 PRODUCTS

2.01 DIAPER CHANGING STATIONS & CHILD SAFETY SEATS

- A. Units shall be manufactured by Safe-Strap Company, Inc.

2.02 PERFORMANCE REQUIREMENTS: Diaper Changing Stations and Child Safety Seats

- A. Units should be constructed from high-density polyethylene, which prohibits the retention of moisture and odors
- B. Units should contain reinforced steel rods increase unit stability (diaper changing stations)
- C. Gas shocks should be completely hidden for safer bed retraction preventing injuries to hands and fingers (diaper changing stations)
- D. Products should be suitable for processing by any approved recycling facility
- E. Provide units with the necessary hardware to install on most wall types
- F. Units should be provided with a self-adhesive sign for installation on restroom door
- G. Units should be provided with a mounting template with instructions written in English and Spanish
- H. Provide a unit with numerous color choices to accent building's internal décor

2.03 PERFORMANCE REQUIREMENTS: Oval Diaper Changing Station

- A. Unit should be oval in design
- B. Provide unit that is equipped with a genuine Safe-Strap[®] safety strap
- C. Unit should be horizontal in design to prevent child from rolling off bed
- D. Unit should contain a concave changing surface to ensure child's comfort and protection

- E. Provide unit with dual dispensers for bed liners and/or wet wipes
- F. Instructions should contain full color universal characters and written in English, German, French and Spanish to facilitate multilingual understanding, contrasting in color and be molded into unit to prevent peeling, fading or vandalism
- G. Unit should protrude no more than 4” from the wall in it’s closed position and less than 20” when fully open
- H. Unit should be adaptable to 16” or 24” stud wall construction with punch-out pre-drilled holes
- I. Unit should be equipped with a molded-in diaper bag hook and utility shelf for customer convenience
- J. All hardware for installation in most wall types should be provided
- K. Design should allow for easy passage around unit and contain no corners to injure customers
- L. Unit should contain a manufactured date molded permanently into the unit and visible when the unit is closed
- M. Unit should contain a manufacturer’s item number molded permanently into unit and visible when mounted

2.04 PERFORMANCE REQUIREMENTS: Vertical Diaper Changing Station

- A. Unit should be vertical in design
- B. Unit should comply with ADA 4.27.4 Operation with One Hand or Closed Fist
- C. Provide unit that is equipped with a genuine Safe-Strap[®] safety belt
- D. Unit bed should be horizontal in design to prevent child from rolling off bed
- E. Unit should contain a concave changing surface to ensure child’s comfort and protection
- F. Provide unit with dispenser for bed liners
- G. Instructions should contain full color universal characters and written in English, German, French and Spanish to facilitate multilingual understanding, contrasting in color and be molded into unit to prevent peeling, fading or vandalism
- H. Unit should contain a manufactured date molded permanently into the unit and visible when the unit is installed
- I. Unit should contain a manufacturer’s item number molded permanently into unit and visible when mounted
- J. Unit should protrude no more than 6” from the wall in its closed position and less than 33.25” when fully open
- K. Unit should be adaptable to 16” stud wall construction with punch-out pre-drilled holes
- L. Unit should be equipped with a molded-in diaper bag hook
- M. All hardware for installation in most wall types should be provided
- N. Unit shall meet TUV requirements for commercial diaper changing stations

2.05 PERFORMANCE REQUIREMENTS: Horizontal Diaper Changing Station

- A. Unit should be horizontal in design
- B. Unit should comply with ADA 4.27.4 Operation with One Hand or Closed Fist
- C. Provide unit that is equipped with a genuine Safe-Strap[®] safety belt
- D. Unit bed should be horizontal in design to prevent child from rolling off bed
- E. Unit should contain a concave changing surface to ensure child's comfort and protection
- F. Provide unit with dual dispensers for bed liners
- G. Instructions should contain full color universal characters and written in English, German, French and Spanish to facilitate multilingual understanding, contrasting in color and be molded into unit to prevent peeling, fading or vandalism
- H. Unit should contain a manufactured date molded permanently into the unit and visible when the unit is installed
- I. Unit should contain a manufacturer's item number molded permanently into unit and visible when mounted
- J. Unit should protrude no more than 4" from the wall in its closed position and less than 20.125" when fully open
- K. Unit should be adaptable to 16" stud wall construction with punch-out pre-drilled holes
- L. Unit should be equipped with a molded-in diaper bag hook
- M. All hardware for installation in most wall types should be provided
- N. Unit shall meet TUV requirements for commercial diaper changing stations

2.06 PERFORMANCE REQUIREMENTS: Child Safety Seat

- A. Unit should be proven to withstand at least 150lbs. of static weight
- B. Unit shall be equipped with a genuine Safe-Strap[®] safety strap and the strap should be a three point harness for extra safety
- C. Unit should have head and side support for added protection
- D. Unit should contain a concave seating area to ensure child's comfort and protection
- E. Unit should protrude no more than 4" from the wall in its closed position and less than 13" when fully open
- F. Unit should contain punch-out pre-drilled holes The seat should be able to fold up for compact storage when not in use
- G. Unit should be equipped with a molded-in diaper bag hook for customer convenience
- H. Unit should be provided with a mounting template for easy installation
- I. Unit should be provided with the necessary hardware to install on most wall types and a self-adhesive sign for installation on restroom door

2.07 PERFORMANCE REQUIREMENTS: Basic Diaper Changing Station

- A. Unit should be horizontal in design
- B. Provide unit that is equipped with a genuine Safe-Strap[®] safety belt
- C. Unit bed should be horizontal in design to prevent child from rolling off bed
- D. Unit should contain a concave changing surface to ensure child's comfort and protection
- E. Instructions should contain full color universal characters and written in English, German, French and Spanish to facilitate multilingual understanding, contrasting in color and be molded into unit to prevent peeling, fading or vandalism
- F. Unit should contain a manufactured date molded permanently into the unit and visible when the unit is installed
- G. Unit should contain a manufacturer's item number molded permanently into unit and visible when mounted
- H. Unit should be adaptable to 16" stud wall construction with punch-out pre-drilled holes
- I. All hardware for installation in most wall types should be provided

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that locations of supporting structure are in compliance with manufacturer's requirements.

3.02 INSTALLATION

- A. Comply with manufacturer's printed instructions, except where more stringent requirements are mandated by governing authorities, and except where project conditions require additional precautions or safety measures
- B. At stud walls, if stud spacing is other than 16" (**16" or 24" ONLY FOR OVAL UNIT**) on center, verify that at least one side of diaper changing station is located so fasteners will be installed directly into studs and use toggles, provided with unit, for installation at opposite side. Must use toggles provided with unit
- C. For masonry walls, drill pilot holes for use of expansion-type fasteners
- D. At toilet partitions, use through-bolt fasteners for installation of Child Safety Seat
- E. Option to use flat stock metal ground minimum of 22 gauge affixed to studs. Provide 1 ground at top and bottom of unit (48" x 6")

3.03 CLEANING AND MAINTENANCE

- A. Inspect changing surface periodically and wipe down with soap and water or over the counter-cleaning product
- B. Inspect all assembly parts to ensure they are sufficiently tightened
- C. Fill diaper changing station dispensers with liners as necessary.
- D. Inspect safety belt restraint system regularly to ensure good working order.

END OF SECTION