



10155

Toilet Compartments

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CONTENTS

- A. [Summary](#)
- B. [Submittals](#)
- C. [Manufacturers](#)
- D. [Materials](#)
- E. [Fabrication](#)
- F. [Accessories or Special Features](#)

A. Summary

This section contains general design criteria for toilet enclosures, urinal screens, and shower stall doors.

B. Submittals

Submit product data for each type of product indicated. Include construction details, material descriptions, dimensions of individual components, and profiles and finishes.

C. Manufacturers

Subject to compliance with the design requirements, provide products by Scranton Products, Inc. or an approved equivalent.

D. Materials

Provide door, panel, and pilaster in solid, high-density polyethylene (HDPE) panel material, not less than 1" thick, with eased edges and with homogenous color and pattern throughout the thickness of the material. Material to have a minimum recycled content of 30%.

1. Provide full-height (continuous) type aluminum brackets.
2. Provide extruded-aluminum strips fastened to the exposed bottom edges of the components to prevent burning.
3. Provide overhead cross bracing for ceiling-hung units fabricated from solid polymer.



E. Design

1. Partition heights must meet international norms and provide a high level of privacy. The height of all partitions must be at least 6'-6".
2. Partitions must be designed to be fully hung from the ceiling with no connection to the floor. The space between the finish floor and bottom of partition should be sensitive to international norms to assist with providing privacy but must also support access for floor cleaning. This minimum dimension should be 8".

F. Fabrication

1. Provide the manufacturer's standard ceiling-hung units with corrosion-resistant anchoring assemblies complete with threaded rods, lock washers, and leveling adjustment nuts at pilasters for connection to structural support above the finished ceiling. Provide assemblies that support pilasters from the structure without transmitting the load to the finished ceiling. Provide sleeves (caps) at the pilaster tops to conceal anchorage.
2. Provide in-swinging, 24" wide doors for standard toilet compartments and out-swinging, 36" wide doors for accessible compartments.
 - a. Provide self-closing type doors that can be adjusted to hold them open at any angle up to 90 degrees.
 - b. Provide a latch and keeper designed for emergency access and with a combination rubber-faced door strike and keeper.
 - c. Provide a coat hook with a rubber-tipped bumper, sized to prevent the door from hitting compartment-mounted accessories.
 - d. Provide a door bumper with a rubber-tipped bumper at out-swinging doors.
 - e. Provide a door pull at out-swinging doors that complies with accessibility requirements. Provide them on both sides of the door at accessible compartments.

G. Accessories or Special Features

1. Provide the manufacturer's standard design, heavy-duty operating hardware and accessories in a chrome-plated brass finish.
2. Provide the manufacturer's standard exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match hardware with theft-resistant-type heads. Provide hex-type bolts for through-bolt applications. Use hot-dipped, galvanized, or other rust-resistant, protective-coated steel for concealed anchors.

End of Section



10425

Signage and Graphics Standards

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CONTENTS

- A. [Summary](#)
- B. [System Design and Performance Requirements](#)

A. Summary

This section contains general design criteria for signage and graphic standards.

B. System Design and Performance Requirements

General

Exterior and interior signs fall under the purview of the Yale sign committee. Typography and layout must be reviewed and approved by the Office of the University Printer prior to fabrication. Refer to the Campus Signage Manual for signage standards which can be found at the website <https://printer.yale.edu/>. Generally, interior project signage should provide the following.

1. A building directory near the main entrance of buildings with public access.
2. Directional signage, as necessary, to direct visitors to their ultimate destination.
3. Signage in conformance to American with Disabilities Act.
4. Identification signage at doors to academic and administrative offices.
5. Code required signage.

Yale School of Medicine

Sign modules are to be specified and installed as part of any project. See Section VIII, Required/Typical Details, for mounting height and locations. Provide signage schedule as part of Construction Documents. See Section VIII for example of Required Sign Schedule.



Manufacturer:	INNERFACE Architectural Signage, Inc., Liburn, Georgia
Source:	Direct from manufacturer (or for small quantities, order through Signlite, Inc., 6 Corporate Drive, North Haven, CT 06473)
Sizes:	Typical Room Sign (4½” x 4½”) YSM Sign types A, B & C INNERFACE Module 2.0 (with custom right and left openings)
	Typical Lab Safety Card Sign (4½” x 8¾”) YSM Sign types D&E INNERFACE Module 5.5
	Typical Recycling Center Sign (2¼” x 7”) INNERFACE Module 3.0
Plaque:	Square corners with perimeter stripe. Provide with matching removable insert (blank).
Color:	INNERFACE, #3 Light Grey Exception: If a project requires signs in a corridor or area with existing signs of another color that are not being replaced, then that color is to be maintained.
Room number:	Raised characters; black, Helvetica Regular. Note: At floors E (Entry Level), G (Ground Level) or B (Basement Level), the floor level designation is to be included in the room number. Example: G27 Provide Braille characters below the number.
Installation:	See Section VIII, Required/Typical Details: Sign Lettering Spacing Standard Sign Locations Required Sign Schedule format

End of Section



10425

Fire Protection Specialties

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B.

CONTENTS

- A. [Summary](#)
- B. [System Design and Performance Requirements](#)
- C. [Submittals](#)
- D. [Product Standards](#)
- E. [Manufacturers](#)
- F. [Materials](#)
- G. [Installation Guidelines](#)
- H. [Quality Control](#)

A. Summary

This section contains general design criteria for fire protection specialties.

B. System Design and Performance Requirements

Place fire extinguisher cabinets in locations that are highly visible and readily accessible, in compliance with local building codes, and as directed by the Fire Marshall. Provide mounting brackets for extinguishers in non-public spaces, such as mechanical rooms, where cabinets are not needed. Fire extinguishers must carry the appropriate Underwriters Laboratory label.

C. Submittals

The contractor must submit product literature and shop drawings that indicate mounting condition and location.

D. Product Standards

Products must conform to applicable local building, fire, and accessibility codes.

E. Manufacturers

Subject to compliance with the design requirements, manufacturers offering products that may be incorporated in the work include, but are not limited to J.L. Industries or an approved equivalent.



F. Materials

1. Provide pressurized, multi-purpose, dry chemical extinguishers, with a 10lb. capacity and a minimum U.L. rating of 4A-60BC. The cylinder must be heavy duty steel, with a red enamel finish.
2. Provide carbon dioxide extinguishers, with a minimum U.L. rating of 10BC. The cylinder must be high-pressure aluminum, with a red enamel finish.
3. Fire extinguisher cabinets must be enameled steel boxes, with trim, frames, doors and accessories. Recessed mounting is preferred unless existing conditions require surface mounting. Trim must be flat at recessed mounting locations. Door and trim materials must be:
 - Enameled steel, baked enamel finish
 - Aluminum, anodized finish
 - Stainless steel, AISI No. 4 bright directional finish
4. Doors must be lockable, with full, glass break type panels.

G. Installation Guidelines

The location and quantity of fire extinguisher cabinets must be in accordance with local building codes and as directed by the Fire Marshall. Cabinets and/or brackets must be plumb and level.

H. Quality Control

Provide fire extinguisher cabinets and accessories by a single manufacturer.

End of Section

Yale University Design Standards

Section 10800: Toilet and Bath Accessories



Toilet and Bath Layout and Accessories

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- [A. Summary](#)
- [B. Product Standards](#)
- [C. Manufacturers](#)
- [D. Materials](#)
- [E. Equipment](#)

A. Summary

This section contains general design criteria for toilet and bath accessories.

B. Product Standards

Products must conform to the following standards.

- ASTM A167 – Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip
- Local accessibility codes
- Yale accessibility guideline

C. Manufacturers

Refer to the Custodial Accessories memo on the Office of Facilities website for product specifications for restroom dispensers. For the additional equipment to be provided, subject to compliance with the design requirements, manufacturers offering products that may be incorporated in the work include, but are not limited to Bobrick Washroom Equipment Inc, or and an approved equivalent.

D. Materials

Toilet and bath accessories not specified under Custodial Accessories on the Office of Facilities website must be stainless steel, AISI No. 4, with a bright directional polish finish. See below for a full list of required equipment.



E. Layout and Equipment

Provide the following equipment for toilet rooms, bathrooms, locker rooms, and janitor's closets. All dispensers must be surface mounted.

1. Toilet Rooms

- Paper Towel dispensers - Paper towel dispensers are to be installed directly in front of each sink. The dispenser should be located behind the mirror and positioned to ensure paper towel is visible from the user standing at the sink. The mirror must be hinged to allow access to refill paper towel dispenser.
- Do not provide air hand dryers.
- Toilet paper dispensers—double roll, one per stall, furnished by Yale University, and installed by the contractor
- Sanitary napkin dispensers—one per women's room, Bobrick B-3502
- Sanitary napkin disposals—one per stall, surface mounted, Waxie or approved equivalent
- Auto sensor soap dispensers—one per lavatory surface mounted, furnished by Yale University, and installed by the contractor
- Auto sensor hand sanitizers – one per toilet room, located at exit but not visible from public corridor
- Grab bars—1-1/2" diameter, quantity and arrangement as per local accessibility codes
- Shelves—welded corners, one per toilet room, large enough to accommodate 2-3 purses or briefcases
- Provide a small place to seat one or two people
- Provide one standing wall mirror per bathroom if possible
- No equipment, urinals, sinks, mirrors, etc. should be visible from public corridors.
- Toilet Room entry and exit should avoid a door where possible to avoid user contact with surfaces that may lead to cross-contamination concerns. Where this is achieved, no garbage receptacle is required at the entry. Where a door is required, provide waste receptacle within the wall adjacent to the door handle on the bathroom interior-side of the door.



2. Bathrooms

- Toilet paper dispensers—double roll, one per stall, furnished by Yale University, and installed by the contractor
- Grab bars—1-1/2" diameter, quantity and arrangement as indicated in the contract documents and per local accessibility codes
- Shelves—one, with welded corners
- Mirrors
- Shower doors - translucent doors; plastic shower curtains are not acceptable
- Towel hooks—two per shower stall Soap dishes—one per shower stall
- Auto sensor hand sanitizers – one per toilet room, located at exit but not visible from public corridor

3. Locker Rooms

- Toilet paper dispensers—double roll, one per stall, furnished by Yale University, and installed by the contractor
- Grab bars—1-1/2" diameter, quantity and arrangement as indicated in the contract documents and per local accessibility codes
- Shelves—one, with welded corners
- Mirrors
- Shower doors – do not provide curtain rods, curtain and hooks
- Sanitary napkin dispensers—one per women's shower room
- Sanitary napkin disposals—through partition type, one per every two stalls
- Auto sensor hand sanitizers – one per toilet room, located at exit but not visible from public corridor

4. Janitor's Closets

- Janitor's utility units—two per closet
- Shelves—stainless steel, full width of closet

End of Section