

DIVISION 10 – SPECIALTIES

Signage: See Attached PPS Signage “Best Practices” Guide:

Visual Display: Coordinate visual display surfaces with the educational standards.

Toilet Rooms: Coordinate sink and toilet accessories with Facilities Operations and the District vendor (see Attached Amsan Toilet and Sink Accessories) and with current accessibility codes. Locate on drawings in plan and elevation. Include trash receptacle. Ensure ADA clearances are met after installation.

See PPS ADA Standards and Guidelines <http://www.pps.net/Page/2247>

Storage: Provide ample storage to meet educational and administrative needs. Coordinate with Educational Specifications

10-11-00 Visual Display Surfaces**A. Board Details**

1. Plaster walls, Continuous perimeter and inter-panel joints, solid wood backing.
2. Mechanically anchored.
3. See PPS District Standard Drawing No. S-44 for mounting.

B. Accessories

1. Map rails with cork insert
2. Map hooks
3. Marker trays
4. Flagpole holder.
5. Aluminum frames, trays and trim, satin anodized.

10-11-13 Chalk Boards

- A. Not to be used in new construction.
- B. Demolition – The mastic in existing installations often contains asbestos. Test prior to removal. Repair walls as required before replacing.

10-11-16 Marker Boards

- A. Porcelain on steel.
 1. 24-gauge steel facing.
 2. Laminated to 1/2" core.
 3. 0.015" minimum aluminum backing.
 4. Off white.
 5. Magnetic
 6. Provide low gloss finish that can be utilized as a projection screen as well.
 7. All marker boards to also be magnetic.
 8. Include a pen tray.
 9. Encourage specifying boards that use of pens, pencils and crayons in addition to standard dry markers. Removals by damp cloth.
 10. Example reference manufacturers: “Best Rite”, “Ghent”, “Lemco”, AJW, Claridge and Platinum Visual.

10-11-23 Tack Boards & Strips

- A. Cork with aluminum frame.

10-14-00 Signage

- A. See Attached PPS Signage “Best Practices” Guide.”
- B. Verify zoning requirements for all exterior signage.
- C. Scoreboards acceptable for sports fields.

10-21-13.13 Solid Surface Plastic Toilet and Shower Partitions

- A. Code and Certification Requirements:
 - 1. Meet all requirements of ADA Standards for Accessible Design. Refer to District Accessibility Guidelines for additional information. Use child requirements at K-5 & K-8 schools.
 - 2. Green Guard Certified.
 - 3. Provide manufacturer’s 25 year warranty against breakage, corrosion, and delamination under normal conditions.
- B. Design:
 - 1. Doors swing inward whenever possible.
 - 2. Provide backing within walls and ceilings to withstand partition loading, including weight of children climbing partitions.
 - 3. Urinal Partitions:
 - 4. Design shall minimize need for partitions.
 - 5. Provide full height wall brackets at areas of heavy abuse.
 - 6. Submittals to provide shop drawings including dimensional layout, elevations, trim, closures, and accessories.
- C. Materials and panel construction:
 - 1. Partitions shall be high-density polyethylene (HDPE), fabricated from polymer resins compounded under high pressure, forming a single thickness panel. Minimum 25% consider 100% post-consumer content toilet partitions where possible.
 - 2. Monolithic color required, selected from manufacturers full color range.
 - 3. Panels and doors 1" minimum thickness.
 - 4. Example products: “Scranton Products” Solid Plastic “Hiny Hiders”, Accurate, Ampco, Hadrian and Legacy Polymers.
- D. Mounting
 - 1. Floor mounted, overhead braced for vandal resistance.
 - 2. Fasteners “vandal proof”. Sheet metal screws are not acceptable.
- E. Hardware:
 - 1. Wall and pilaster brackets: Heavy duty aluminum extrusions, bright-dip anodized finish. Continuous, full-length, double-ear.
 - 2. Hinges: 8" heavy-duty, self-closing.
 - 3. Latch and housing: heavy duty extruded aluminum. Latch housing bright dip anodized finish. Slide latch and paddle.
 - 4. For single toilet compartments provide occupancy indicator.
- F. Accessories:
 - 1. Combination doorstop with rubber cushion, and coat hook.

2. Doors swinging to plaster or sheet rock walls will have wall mounted bump and backing.

10-28-13 Toilet Accessories

- A. General:
 1. Accessories to be vandal proof, have concealed fastenings, and are to be tamper and theft resistant.
 2. Accessories in elementary schools shall be mounted at heights appropriate for size of children. See PPS ADA for Elementary Standards.
 3. Meet all requirements of ADA Standards for Accessible Design. Refer to District Accessibility Guidelines for additional information. Use ADA for children in K-5 and K-8 schools.
 4. Coordinate toilet accessories with Facilities Operations and the District vendor and with current accessibility codes. Locate on drawings in plan and elevation. Include trash receptacle. Ensure ADA clearances are met after installation.
- B. Staff restrooms and All-user/single occupancy restrooms are required. See District Educational Specifications. Backing and Blocking for Restroom Accessories.
 1. Backing and blocking to rigidly support accessories.
 2. Detail on contract drawings.
 3. Design to resist dedicated vandal attack.
 4. Backing for wall mounted sinks, minimum ¼ steel plate drilled and tapped for wall carrier.
 5. Blocking and backing for door bumps, door hold open devices, toilet partitions, restroom accessories, etc., 1" fir plywood backing.
 6. Light gauge plate or stud blocking is not acceptable.
 - a. 20 ga. Metal backing in metal framed walls
 7. For new construction all backing and blocking shall be concealed behind wall finishes.
 8. Use manufacturer's heavy duty mounting kits when available.
 9. Renovation work:
 - a. Backing panels may be exposed, but shall be sealed to protect from moisture.
 - b. Mechanically fasten to framing.
 - c. Match existing phenolic or plywood backing panels / mounting boards.
 - d. If none exist, ¾" birch ply wood or B-C fir plywood with natural birch laminate and matching birch hardwood or "T" edge trimold edging is acceptable
- C. Restroom Mirrors – See division 8.
- D. ADA grab bars; stainless steel with satin finish, meeting all code requirements. Provide flanges with concealed fasteners. Lengths as required to meet ADA. Grab bars shall be capable of withstanding a 500-pound minimum vertical load or as required by code and minimum 0.05 inch (1.27 mm) thick, 1 1/4" diameter.
- E. Example: Bobrick B-5806
- F. Sanitary product receptacle.
 1. Provide one receptacle in each stall in women's/girls restrooms, staff restrooms and single occupancy/all-user restrooms.
 2. Receptacles which are shared between stalls are not allowed. No swing openings allowed.
 3. Receptacles must have top opening.
 4. Receptacle must be sized to fit District standard liner.

- a. Hospeco surface mounted metal feminine waste product receptacle 11.625" x 8.25" x 4.5"
 - b. Appeal Sanitary Napkin Receptacle, White #APP18107
 - c. District approved equal. Stainless steel preferred, white metal acceptable.
- G. District contracts with vendors for the following items. See Attachment for owner provided contractor installed sink and toilet accessories.
1. Seat cover dispensers located in staff and single occupancy restrooms must be compatible with Renown seat cover product REN03801. Renown Part #REN05179 or Stainless steel preferred.
 2. Soap dispensers – provided by District soap vendors. See vendor information in Attachment and locate per ADA Guidelines.
 3. Toilet paper dispenser – provided by toilet paper vendors. See vendor information in Appendix and locate per ADA Guidelines and provide backing as applicable as noted above.
 4. Paper towel dispensers – provided by District paper towel vendors.
 - a. See vendor information in Appendix and locate per ADA Guidelines and provide backing as noted above.
 - b. In new construction and major renovations, consider eliminating paper towels and installing electric hand dryers.
- H. Waste receptacles:
1. Show waste receptacles accurately sized and located on floor plans.
 2. Waste receptacles located in built-in alcoves in corridors & cafeteria are preferred.
 3. No integrated receptacles are allowed. Ensure ease of emptying. Do not require lifting to remove. Do not locate under counter due to vandalism/fire hazard.
 4. Waste receptacles must be located outside the path of travel and wheelchair clearance.
 5. Provide freestanding waste containers. Locate in recess out of path of travel if possible.
 6. Provide 32 gallon plastic open top round receptacles. The district prefers these to metal for durability, low cost and weight.. Alternates (must be able to utilize 32 gallon District liners):
 - a. Rubbermaid Marshal Classic Container FG817088 BLACK, 25 Gallon
 - b. Witt (WIT 7C-1838T) round side entry fiberglass, black, 25 Gallon

10-44-13**Fire Protection Specialties**

- A. Fire Extinguisher Cabinets
1. Recessed when possible. If not recessed, ensure ADA is met for protrusion.
 2. Minimum interior depth, 7 inches.
 3. Keyed lock.
 4. Locations must meet code and should be approved by Fire Marshal and AHJ. Priority of district is to locate near restrooms and science classrooms/labs.
- B. AED – Locate in or near main office and in large gathering spaces (i.e. cafeteria, auditorium/lobby, gymnasiums. Locations and placement to be reviewed with Risk Management.
- C. Knox Box should typically be located near the front entry of the school. Coordinate exact location with fire marshal.

10-51-00 Lockers

- A. Corridor Lockers –
1. Heavy duty, knockdown (KD), all welded, and all welded fully framed construction acceptable.
 1. High schools: 15" x 15" x 72" single-tier or double tier. Double tier preferred in new and major remodeled schools when lockers will not be shared. Single tier preferred for shared lockers.
 2. K5, K8 and middle schools: generally, shared with 2 students: single tier with 2 shelves and 3 hooks. Middle hook should be 'double hook'.
 3. Recessed preferred. Where not feasible, surface mounted is acceptable with 18 gauge sloped tops. Verify egress widths and ADA clearances at doors.
 4. 14 gauge plain doors, 16 gauge frame, and 24 gauge solid body components.
 5. Gravity lift type multi-point spring loaded latching.
 6. 16 gauge continuous piano type hinge.
 7. Deep-drawn seamless stainless steel recessed handle
 8. Built in locks
 - i. Example lock: Master Lock #1630 or District approved equal.
 9. Minimum 2 year warranty
- B. Athletic Lockers –
1. Fully framed, all-welded hollow T or angle iron construction with 16 gauge continuous top and 16 gauge shelves, 18 gauge solid back., 14 gauge perforated doors , 13 gauge ½" expanded metal sides. Lifetime warranty
 - i. Gymnasium (PE) Lockers
 - a. 12" x 16".
 - a. 3-Tier lockers overall height 72", with slope tops
 - b. 2-Tier lockers overall height 48" at islands
 - c. Formed doors; inside stiffeners 3+"; recessed single point latching
 - d. Concrete base
 - ii. Team Lockers
 - a. 18" x 16" x 72" single-tier, with sloped tops.
 - b. 2 Tier lockers overall height 72"
 - c. 14 gauge diamond perforated doors with 3" wide 18 gauge full height door stiffener.3 point, Cremone latching
 - iii. Concrete base
 - iv. Curb mount, doors, handles and latches to match gym lockers.
 2. Sloping tops on freestanding and surface-mounted lockers.
 3. Continuous raised base – base of locker shall be in reach range for ADA
- C. Material and Construction:
1. Exposed metals, 16-gauge steel with 14 gauge doors at corridors and 14-gauge doors at athletic lockers.
 2. Finish: Match existing, where occurs. Provide factory finish for all new lockers.
 3. Doors, continuous perimeter reinforcing. Recessed without louvers.
 4. Perforated or expanded metal at athletic lockers
 5. Recessed handles. Corridor and PE-Athletics – single point latching. Team lockers – three points, Cremone latching.
 6. All-welded, fully boxed attached to locker at factory
 7. Pop rivet fasteners construction prohibited.
- D. Accessories:
1. 1 shelf for single use or 2 shelf for full height shared lockers.

2. Sides and center coat hooks (3 total per locker). Chrome or zinc finish. Paint not allowed.
- E. Locks:
1. Single-tier three point pickproof latching devices.
 2. Double-tier two point pickproof latching devices.
 3. Latch to be one-piece pre-lubricated spring steel.
 4. Latch contained within the lock bar, under tension, to provide rattle free operation.
 5. Lock bar secured within door channel with self-lubricating polyethylene guides to isolate lock bar from metal-to-metal contact.
 6. All locks to be combination locks. Provide 3 copies of the combination lock schedule.
 1. Lock examples includes: Master 1630 or 1670 combination locks or match existing.
 2. ADA Locks examples include: Master 1636MKADA or 1695MKADA
 7. Pickproof™ latching devices.
- F. Locker Restoration
1. Restoration to be completed off-site.
 2. Electrostatic coating.
 3. New frames and doors (locker fronts) may be used to replace fronts on existing lockers.
- G. Example Manufacturers:
1. DeBourgh: Corregidoor, Sentry All American. List Industries Superior Heavy Duty Corridor KD Wardrobe Lockers

10-55-00 Postal Specialties

- A. Mail Drops
1. Open mail slots discharging into the building are unacceptable.
 2. Roadside delivery: Heavy-duty vandal resistant steel without locking mechanism.
 3. Door to door delivery: Heavy gauge metal container large enough for accumulation.

10-56-00 Storage Assemblies

- A. Cubbies
1. Provide open storage cubbies in Pre-K thru 5th grade classrooms or as indicated by educational specifications.
 2. Material – Exposed hardwood such as birch with waterproof sealer.
 3. Standard size: 12"x15"x36", single tier
 4. Provide 1 upper shelf.
 5. Provide Sides and center coat hooks (3 total per locker).
 6. Pre-K and head start to include a bottom shelf for shoe storage. Overall height of 48". Consider a bench style for ease of shoe removal.

10-75-00 Flagpoles

- A. Schools typically have one flag pole per school. It should fly both the US and Oregon flags.
- B. Where more than one pole is required or planned for, others should be lit at night so they can remain up. Provide a solar sensor on all lights.

- C. Fabricated in a single section.
- D. Provide proper structural support at base.
- E. Pole shall be removable when replacement/repair is needed.
- F. Aluminum with satin finish
- G. Cleat cover box with key operated cylinder.
- H. Lock to match building master keying system.
- I. Internal winch system, with lockable access door – ground set
- J. 30 foot pole Cable or rope pull OK
- K. Typical flag size is 4' x 6' for US and Oregon flags.