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END OF SECTION



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**SECTION 10100 — VISUAL DISPLAY BOARDS**

**PART 1 – GENERAL**

**1.01 EXTENT OF SECTIONS**

- A. This section contains visual display boards and appurtenances for new schools or replacing existing boards.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

**1.02 GENERAL REQUIREMENTS**

- A. If new construction, then CONTRACTOR is responsible for purchasing equipment.
- B. If replacing equipment, then PCSB is responsible for purchasing equipment.
- C. Require Shop Drawings from CONTRACTOR detailing metal supports and trim pieces.

**1.03 DP REQUIREMENTS**

- A. Extent of projection screens must be indicated on DP Design and Construction Drawings.
  - 1. Types of projection screens may include:
    - a. Electrically operated, must be remote controlled units.
    - b. Manually operated units.
    - c. Recessed, ceiling mounted units.
    - d. Surface mounted units.
  - 2. Metal support and trim for recessed screen installation must be detailed on DP Design and Construction Documents.
  - 3. Projection screen operation must clear all existing wall-mounted accessories.
  - 4. Electrical wiring, connections, and installation of remote control switches for electrically operated projection screens install per Division 16 and indicated on Design and Construction Documents.
  - 5. Provide each type of projection screen as a complete unit produced by a single Manufacturer, including necessary mounting brackets, accessories, fittings and fastenings and install per Manufacturers Recommendations.

**PART 2 – PRODUCT**

**2.01 MANUFACTURER**

- A. Reference herein is to Alliance Ceramicsteel Products, Multi-Use Ceramic Steel Writing Surfaced boards, and establishes the required standard of quality for this work. Subject to meeting requirements the following manufacturers have prior approval:
  - 1. Peninsular Slate Co.
  - 2. Greensteel
  - 3. Nelson Adams
  - 4. Claridge Products and Equipment, Inc.



**DIVISION 10**

**SECTION 10100 — VISUAL DISPLAY BOARDS**

**2.02 CHALKBOARDS**

- A. Porcelain/Ceramic-on-steel. All panels shall be 24 gauge steel sheet with multi-use finish fused to the sheet, minimum  $\frac{7}{16}$ -inch thick core of particle board and 0.002-inch thick aluminum backing sheet. The finish surface shall be non-glare type, hard and smooth, designed for use with chalk or dry erase markers, easily cleanable and washable with household detergents, solvent or lacquer thinner. Surface shall be dent and crush resistant and colorfast. Chalkboard surface shall be prepared at the factory such that no field priming or “breaking-in” shall be required. Color: Gray
1. Combination chalkboard/ tackboard shall be fabricated in one composite assembly with a maximum  $\frac{5}{8}$ -inch perimeter satin aluminum trim mounting. Horizontal joint between top of chalkboard and tack board strip above shall be standard mullion map rail, slip-on type. Vertical joints between boards and adjacent tack boards are shall be narrow profile mullion trim, slip-on type.
  2. Chalk rail shall be a continuous at bottom of boards and full length of writing surface.
  3. Furnish mounting clip angles for securing to wall without wood grounds.
  4. Map rail length shall match writing surface board length. Map rail to include (per chalk and marker board assembly).
    - a. Deluxe 2-inches extruded clear anodized aluminum display rail with cork insert, vinyl faced.
    - b. 1 set - roller brackets
    - c. 2 display hooks
    - d. 1 flag holder - (1 per room, for  $\frac{1}{2}$ -inch diameter flag staff)
    - e. 1 set - spring clip map hooks (minimum 1 map hook for each 3-ft. of map rail)
    - f. Furnish end closures for rail.

**2.03 TACKBOARD WITH PERIMETER FRAMES**

- A. Tackboard shall be a composition cork backing ( $\frac{1}{4}$ -inch cork over  $\frac{1}{4}$ -inch fiber board) with vinyl cover, total thickness  $\frac{1}{2}$ -inch. Perimeter frame to match chalkboard.
1. Furnish a total of 100-s.f. extra vinyl fabric for PROJECT COORDINATOR repair stock. DP may designate up to three separate colors.
  2. Provide tack board material and perimeter trim for installation on certain wall hung cabinet doors in Art Classroom (if applicable).

**2.04 LIQUID MARKER BOARDS**

- A. Construction and accessories as 2.02 with Alliance medium gloss white porcelain marker surface.

**2.05 MAP RAIL**

- A. Individual map rail to match 2.02, A4 this SECTION above by 12-ft. long, each to include:
1. 2 sets roller brackets;
  2. 6 display hooks;
  3. 3 sets spring clip map hooks.
- B. Provide 4-ft. x 4-ft. tackboards as shown on DP’s Design and Construction documents.

**PART 3 – EXECUTION**



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**SECTION 10100 — VISUAL DISPLAY BOARDS**

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- 3.01** Locate and size all assemblies as indicated on drawings. Mount boards, true and level, typically directly to masonry wall using masonry screw type fasteners and in certain locations at metal stud framed walls screw through to backup blocking. Use manufacturer's standard concealed brackets. Spot adhesive as recommended, then set board assemblies in place, rolling soundly into adhesive.
  
- 3.02** Leave assemblies securely installed in place, free of damage or imperfections and void of any overflow adhesive.
  
- 3.03** Wall finish as specified shall be continuous behind all assemblies.

END OF SECTION



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**SECTION 10150 — TOILET ROOMS AND COMPARTMENTS**

**PART 1 – GENERAL**

**1.01 EXTENT OF SECTION**

- A. This section contains the requirements for toilet compartments and toilet rooms.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

**1.02 REFERENCE STANDARDS AND CODES**

- A. ACCESS FOR DISABLED PERSONS: see Florida Building Code - Accessibility and SREF- latest editions, DP's Design and Construction Documents.

**PART 2 – DESIGN**

**2.01 REQUIREMENTS**

- A. DP shall coordinate layout with plumbing installation to assure proper clearances and drain locations.
- B. DP shall ensure proper ADA clearances and mounting heights are maintained in designated stalls.
- C. DP shall coordinate layout of partitions so that doors are not obstructed from full movement by toilet accessories and fixtures.
- D. DP shall coordinate toilet accessories locations for proper ADA clearances and sizing for ADA children's requirements in elementary schools.
- E. Provide zero sight lines when detailing partitions; pilaster-to-panel spacing shall not exceed ½-inch. Panel-to-wall spacing shall not exceed 1-inch.
- F. Recommended in middle and senior high athletic rooms concrete block construction with ceramic tile partitions.

**2.02 TOILET PARTITIONS**

- A. PREFERRED COLOR: black paisley, maximum of one (1) color per room. For any color other than the before mention shall require Owner's approval in writing.
- B. NON-ADA PARTITIONS shall be minimum 2-ft. 8-inches clear inside dimensions.
- C. TYPE: Toilet partitions and urinal screens shall be 1-inch thick constructed from High Density Polyethylene (HDPE) resins with graffiti-resistive finish. Painted metal, plastic laminate or wood is not acceptable. Color is to be homogeneous throughout.
- D. CONSTRUCTION: Door edges shall be rounded to a radius.



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**SECTION 10150 — TOILET ROOMS AND COMPARTMENTS**

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**E. HARDWARE:**

1. **Hinges** shall be integral, fabricated from the door and pilaster with no exposed metal parts.
2. **Door strike/ keeper** shall be made of heavy-duty extruded aluminum.
3. **Latch and housing** shall be made of heavy-duty extruded aluminum.
4. **Pilaster shoes** shall be 3-inches high and made of one-piece molded HDPE plastic.
5. **Wall brackets** shall be made of extruded PVC plastic.
6. **Brackets** shall be fastened to the pilaster with stainless steel tamper resistant torx head screws and fastened to the panels with stainless steel tamper resistant torx head sex bolts.
7. **Head rail** shall be made of heavy-duty extruded aluminum with anti-grip design and integrated curtain track.

**PART 3 – EXECUTION**

**3.01 INSTALLATION**

- A. Partitions shall be wall and floor mounted. Clearance at vertical edges of doors shall be uniform top to bottom and shall not exceed  $\frac{3}{8}$ -inch.
- B. All toilet partitions, hardware, etc. shall be supplied by a single manufacturer.

END OF SECTION



**DIVISION 10**

**SECTION 10260 — CORNER GUARDS**

**PART 1 – GENERAL**

**1.01 EXTENT OF SECTION**

- A. This section contains the material and locations preferences.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

**1.02 GENERAL**

- A. Corner Guards shall be surface mounted equal to type CGS-3 as manufactured by Balco Inc. Fire rated corner guards if required shall have been tested in accordance with ANSI/US 263 and ASTM E 119. Fire rated corner guards shall have fire ratings of two (2) hours.

**1.03 QUALITY ASSURANCE**

- A. Manufacturer shall have a minimum of ten (10) years of experience in the fabrication of wall protection systems.
- B. Installer shall have not less than three (3) years of successful experience in the installation of systems similar to those required by this project and acceptable to the manufacturer of the system.

**1.04 WARRANTY**

- A. Submit manufacturer's warranty that materials furnished shall perform as specified for a period of not less than one (1) year when installed in accordance with manufacturer's recommendations.

**PART 2 – DESIGN**

**2.01 DP RESPONSIBILITIES**

- A. DP shall coordinate type and thickness of wall guards to be used.
- B. DP shall coordinate wall guards with other wall-mounted equipment or devices for proper clearance.
- C. DP shall coordinate the appropriate guard with regard to the substrate, e.g. drywall and CMU.
- D. DP shall coordinate fire treated blocking and framing for all wall guard locations.

**2.02 LOCATIONS**



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- A. Corner guards shall be required in all public spaces, e.g. heavy traffic of equipment and people or areas of extra safety concern such as ESE classrooms.
- B. DP shall provide wall and corner guards at all building service areas and corridors that are to receive or move supplies and equipment on a regular basis.
- C. Provide wall guards minimum 12-inches high in receiving areas.
- D. Provide a corner guard on all outside drywall corners subject to damage in high traffic areas.
- E. Provide stainless steel in kitchen areas, stainless steel with plastic cover in other areas.
- F. The FREE EDGE of all smoke doors, when in an open position, shall be protected by concrete so that they cannot be accidentally closed by hand. The EDGE GAP shall be enough to allow the door to pass without touching the protector.

**2.03 MATERIALS**

- A. Corner guards shall be high-impact vinyl or stainless steel.
  - 1. IF STAINLESS STEEL:
    - a. Type 304 alloy, minimum 16 gauge;
    - b. Type 430 alloy, factory standard embossed pattern, and minimum 16 gauge;
    - c. #4 Satin Finish.
  - 2. IF HIGH-IMPACT VINYL:
    - a. P.V.C. shall be rigid, high-impact type. P.V.C. sheet shall be flexible.
- B. Fasteners:
  - 1. All fasteners to be non-corrosive and compatible with galvanized steel, all necessary fasteners to be supplied by the manufacturer.
  - 2. All components shall be isolated from dissimilar metals as recommended by the manufacturer and as approved by the DP.
  - 3. Use heavy-duty adhesives.
- C. Aluminum shall be ASTM B 221, alloy 6063-T5.
- D. Galvanized sheet shall be ASTM A 525, G90 steel.
- E. Fasteners, accessories and other materials required for complete installation to manufacturer's instructions.

**2.04 FINISHES**

- A. P.V.C. shall be provided with an embossed Finish. Color shall be as selected from manufacturer's standard colors.





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**SECTION 10260 — CORNER GUARDS**

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- B. Aluminum shall be color anodized as selected by OWNER.

**PART 3 – MATERIALS**

**3.01 FABRICATION**

- A. Fabricate corner guards and wall protection materials as detailed. Provide anchors and accessories necessary for complete installation. Mounting Brackets and End Returns shall be injection molded.
- B. Provide components in single lengths. Splicing shall not be accepted without prior written approval from OWNER.
  - 1. Corner guards shall be provided in 8-ft. maximum lengths.
- C. Flush mounted corner guards shall not be used.

**3.02 INSTALLATION**

- A. Corner guard shall be installed from finish floor to 5-ft. A.F.F. (corner guard will interrupt base.)
- B. CONTRACTOR shall verify field measurements prior to releasing materials for fabrication by the manufacturer.
- C. Install corner guard in accordance with the governing regulations, the industry standards applicable to the work and the manufacturer's written installation instructions.
- D. Work shall be aligned plumb, level and, as required, flush with adjacent surfaces.

END OF SECTION



## PART 1 – GENERAL

### 1.01 EXTENT OF SECTION

- A. This section contains the guidelines for interior and exterior signage throughout a school campus.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

### 1.02 REQUIREMENTS and REFERENCES

- A. During the design development phase the DP shall coordinate with the PCSB Facilities Planning Dept. the naming and numbering of interior spaces to ensure it is consistent with existing and proposed FISH designations.
- B. All signage shall be in accordance with SREF, FBC Florida Accessibility requirements, including raised Braille, latest editions.
- C. The Manual on Uniform Traffic Control Devices (MUTCD), Florida Department of Transportations (FLDOT)

## PART 2 – DESIGN

### 2.01 "MP" PLASTIC SIGNS (GRAPHIC BLAST)

- A. Plastic Signs shall be equal to Best's HC300 ADA System as manufactured by Best Manufacturing Sign Systems with a four-in-one construction style having the following characteristics:
  - 1. Tactile characters/symbols shall be raised  $\frac{1}{32}$ -inch from sign plate face. Signs shall be of one-piece construction; **added-on and/or engraved characters and glue on signs are not acceptable.**
  - 2. Text shall be accompanied by domed Grade 2 braille.
  - 3. All letters, numbers and/or symbols shall contrast with their background to comply with ADA requirements - either light characters on a dark background or dark characters on a light background. Characters and background shall have matte finish.
- B. Placard material shall consist of melamine plastic laminate, approximately  $\frac{1}{8}$ -inch thick, with core painted a contrasting color and rated non-static, fire-retardant and self-extinguishing. Plastic laminate shall be impervious to most acids, alkalis, alcohol, solvents, abrasives and boiling water.
- C. Lettering style shall be Standard Medium, upper case, or other sans serif or simple serif typeface.



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- D. Sizes of letters and numbers shall be as follows:
  - 1. Room numbers shall be  $\frac{5}{8}$ -inch high.
  - 2. Lettering for room usage and directional identification shall be  $\frac{5}{8}$ -inch high.
  - 3. Lettering for restroom identification shall be  $\frac{5}{8}$ -inch high, corresponding pictographs shall be 6-inch high per Florida Accessibility Code.
  - 4. Letters and numbers shall be centered on sign.
- E. Domed Grade 2 braille shall be placed directly below last line of letters or numbers, except for room number signs, where they shall be placed directly behind the last number.
- F. Raised Letter Signs: Domed Braille style numbers and letters raised minimum  $^{11}/_{32}$ -inch, thin profile. Colors shall be selected from manufacturer's standard line with "Graphic Blast" background to create letter, number and Braille text.
  - 1. Include *male or female* (to suit application) pictogram and *HIC* accessible symbol at all Toilet Room signs. Provide male and female pictogram with *HIC* symbol at gender neutral single user Toilet *Rooms* Restrooms.
- G. Radius corners:  $\frac{1}{2}$ -inch.
- H. Sign sizes:
  - 1. Length of sign shall be the sum of the letters (numbers) plus  $\frac{1}{2}$ -inch each end. Long signs may require 2 lines and use  $\frac{1}{2}$ -inch high letters.
  - 2. Letters and numerals shall be proportioned in overall size, width-to-height ratio, style and stroke, finish and contrast per Americans with Disabilities Act (ADA) requirements.
- I. Provide graphic blast raised plastic signs as listed below and in Signage Schedule which follows this:
  - 1. INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN: nominal 6-inches x 8-inches sign with "accessible wheelchair" symbol, white color symbol on blue background. Provide at each accessible stall door in Accessible Entrances of Buildings, where not all entrances are accessible, Group Toilets. Mount 60-inches at baseline of the highest tactile character of the floor to baseline of the highest tactile character.
  - 2. "EXIT"
    - a. Red background with 2-inches high white letters. Mount 52-inches above floor to centerline, or as instructed. See Life Safety Plans for locations.
  - 3. "FIRE ALARM PULL STATION INSIDE"
    - a. Red background with  $\frac{5}{8}$ -inch high white letters, size of sign nominal 3-inches ht. x length required for 3 lines of text centered. Mount 48-inches above floor to centerline, or as instructed. See Life Safety Plans for locations.
  - 4. "FIRE EXTINGUISHER INSIDE"
    - a. Red background with -inch high white letters, nominal 3"H x length required for 3 lines of text centered. Mount 44-inches above floor to centerline, or as instructed. See Life Safety Plans for locations.
  - 5. "STORAGE NOT PERMITTED"
    - a. Red background with  $\frac{5}{8}$ -inch high white letters, nominal 3-inches high x length



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required for 3 lines of text centered. Mount 48-inches above floor to centerline, or as instructed. See Life Safety Plan for locations.

6. "MAXIMUM BUILDING OCCUPANCY"
  - a. DP to indicate signage and amount for each assembly space. Locate in the space next to each main entry door.
  - b. Red background with  $\frac{5}{8}$ " high white letters, nominal 4-inches high x length required for 3 lines of text centered. Mount 52" above floor to centerline; centered under fire alarm device. See Life Safety Plan for location.
7. "NO EXIT"
  - a. Red background with "NO" in 2-inches high white letters and "EXIT" in 1-inch high white letters, 2 lines of centered text, size as required. Mount 52" above floor to centerline. See Life Safety Plan for location.
8. "IN FIRE EMERGENCY, DO NOT USE ELEVATOR. USE EXIT STAIRS"
  - a. Locate at next to elevator call stations. Mount maximum 60" AFF to top of sign.
9. "EMERGENCY RESCUE-KEEP AREA CLEAR"
  - a. Red background with  $\frac{5}{8}$ -inch high white letters, nominal Locate at all emergency egress windows.
10. International Symbol of Accessibility Pictogram Symbol sign shall be located at all entrances at buildings where not all entrances are accessible. Also, directional signs that indicate the location of the nearest entrance shall be provided at the beginning of the route.

**2.02 "MP" PLASTIC SIGNS (ENGRAVED)**

- A. Sign specifications shall generally comply with 2.01 A thru H above, except letters to be engraved in lieu of being raised. Provide square corners.
- B. Provide the following engraved signs:
  1. All doors shall have a sign with "F.I.S.H." number centered on door frame head. See Signage Schedule.
  2. "Fire Damper"

Size of sign  $\pm$  3-inches width x 2-inches ht., red color with  $\frac{3}{8}$ -inch high white letters, placed  $\pm$ 2-inches below ceiling on each side of wall, centered under each fire or smoke damper.
  3. "Activate Fire Suppression System Prior to Use of This Fire Extinguisher" Multi-line, red color with  $\frac{3}{8}$ -inch high white letters, size as required. Locate as indicated on Life Safety Plan, set  $\pm$ 2-inches above 'K' type fire extinguisher.
  4. "STAND PIPE INSPECTORS TEST INSIDE". Size of sign  $\pm$  3-inches width x 2-inches ht., red color with  $\frac{3}{8}$ -inch high white letters. Mount between 48" to 60" above floor to centerline. See life safety plans for locations.
  5. All sinks around food preparation areas shall have an aluminum sign with NOTICE (OSHA) header is directly printed in color with a white background. "NOTICE, WASH YOUR HANDS BEFORE LEAVING AS A SANITARY MEASURE IN COMPLIANCE WITH HEALTH LAWS". Sign shall be UV, Chemical, abrasion and moisture resistant.
  6. All Master Control Switches shall have a sign with labeled with function as indicated in MEP drawings. Multi-line, red color with  $\frac{3}{8}$ -inch high white letters, size as required.



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**2.03 SCREEN PRINTED ACRYLIC**

- A. Evacuation Route Signs: Clear acrylic, nominal 8 ½-inches high x 11-inches wide x ⅛-inch thick with ½-inch radius corners, with subsurface screen printed image of room or area plan; with primary and secondary route out of room/ area. CADD file to be provided by architect for background image. Provide as shown on Life Safety Plan, locate as directed.
- B. EHPA Sign: Clear acrylic, nominal 11-inches high x 17-inches wide x ⅛-inch thick with radius corners, with subsurface screen printed image of campus floor plans of the facility, indicating EHPA's components, shall be mounted in the emergency manager's office/area. Graphic file to be provided by architect, approved by PCSB PROJECT COORDINATOR, for background image.

**2.04 BUILDING NUMBERS**

- A. Maltese cross shall be of a bright red DOT grade reflective on white .040 aluminum. Nominal 8-inches high x 8-inches in length. Mount signs within 24-inches of the left side of all the exterior main entrances between 48" to 60" above finish floor, grade or walking surface. Structures with a Light-Frame Truss Floor systems shall be marked with the letter "F"; Structures with Light-Frame Truss Roof systems shall be marked with the letter "R"; Structures with Light-Frame Truss Roof and Floor systems shall be marked with the letters "R/F".

**2.05 MALTESE CROSS PICTOGRAM**

- A. The DP shall prepare and specify that the CONTRACTOR install Emergency Evacuation Route Sign made of clear acrylic, nominal 8½-inches tall x 11-inches wide x ⅛-inches thick with ½-inch radioed corners, with subsurface screen printed image of room or area plan; with primary and secondary route out of room/ area. CADD file to be provided by DP for background image. Provide as shown on Life Safety Plan, locate as noted on drawings.

**2.06 DEDICATION PLAQUE**

- A. Furnish one plaque, cast aluminum, bronze anodized, border style 5 plain, leatherette background, letter style Medium Ribbon, all caps, mounting method "A" concealed as produced by Andco, Inc. Information on the plaque shall conform to Board policy and be as follows:
  - 1. DP shall submit design to PCSB PROJECT COORDINATOR for approval.
  - 2. Name of School! Project (two lines).
  - 3. Year of contract Award.
  - 4. "The School Board of Polk County".
  - 5. Names of Board members listed alphabetically
  - 6. "Superintendent of Schools for Polk County".
  - 7. Name of the Superintendent
  - 8. Name of the Principal of the school.



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9. ARCHITECT'S name and firm title.
10. CONTRACTOR'S name.

B. Plaque size: 16-inches wide x 24-inches high.

**PART 3 – EXECUTION**

**3.01 GENERAL**

- A. LIFE SAFETY SIGNS required by SREF such as *Fire Alarm Pull Station Inside*, *Fire Extinguisher Inside*, *Secondary Egress*, *Maximum Occupant Capacity*, etc. shall be included in the construction contract and clearly detailed with installation locations shown on the construction drawings.
- B. ACCESSIBILITY SYMBOL SIGNS provided for "*Fire Extinguisher Inside*", "*Fire Alarm Pull Station Inside*", "*Emergency Escape*", and "*Maximum Occupancy*" signs where required by code.
- C. PLACEMENT OF sign and accessories where indicated on drawings. Use mounting methods of the type described and in compliance with the manufacturer's instructions. Install signs level, plumb, and at heights indicated.
- D. PLASTIC SIGNS
  1. Install on wall adjacent to door at 60-inches above finish floor to the center line of the sign, or as instructed. Mount all plastic signs a minimum two small stainless steel pan head sheet metal screws in addition to manufacturer's double face tape. Use four (4) four screws for signs 4-inches high and taller. Verify actual locations and mounting heights with DP prior to installing.
- D. SURFACE MOUNTED ITEMS
  1. Verify locations with DP. Use screws into expansion shields in masonry walls, or long stainless steel wood screws into blocking in stud walls as appropriate to the wall to which items are attached.

**3.02 DIRECTIONAL SIGNS**

- A. The DP shall include DIRECTIONAL SIGNS for the public to maneuver through Corridors to point of interest, together with the identification of specific room name relating to respective room functions, see below this SECTION 3.04 C for the list of specific room name.

**3.03 INFORMATIONAL SIGNS**

- A. "*FIRE ALARM PULL STATION INSIDE*" shall be placed outside that space, adjacent to the door. This sign shall have a red background with white letters.
- B. Fire Extinguisher located inside student occupied spaces, a permanently affixed sign reading, "*FIRE EXTINGUISHER INSIDE*" shall be placed outside that space adjacent to the door. This sign shall have a red background with white letters. These signs shall be



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located approximately 5-ft. (152 cm) above the finish floor in a position that is readily visible when the door is in the open or closed position.

- C. The DP shall INCLUDE DIRECTIONAL SIGNS to direct visitors from the main building entrance to their destinations in the building. Particular attention should be given placement of Exit signs that comply with Life Safety.
- D. The MAIN SCHOOL SIGN located at the major access on the site, may be constructed of the same masonry material as used in the construction of the building. The sign shall have a message board, lettering to be Helvetica Medium Font, verify size.
- E. MAXIMUM OCCUPANCY SIGN should be posted outside of the space adjacent to the main entrance/exit doors – (Provide as per SREF).
- F. ROOM NAME SIGN shall be mounted on the wall adjacent to the latch side of the room entrance door approximately 5-ft. above finish floor and shall include engraved braille cell.
- G. If the space has more than one entrance, a name sign and FISH tag shall be provided at each entrance.
- H. "HIGH VOLTAGE AREA" shall be placed within areas as determined to have high voltage.
- I. The DP shall include DEPARTMENTAL TITLES signs outside administration spaces adjacent to the main entrances of the departments.

**3.04 FLORIDA INVENTORY of SCHOOL HOUSES (FISH)**

- A. FISH numbers on the construction drawings and on door & hardware schedules shall accurately reflect the FISH numbering scheme at project completion.
- B. All rooms are to receive a **FISH tag** at each entrance located above the door on the header frame, see below:
  - 1. FISH Tag: 00(building #) + 000(room #) = 00-000 (FISH tag).
  - 2. Rooms inside a classroom or main room are to be numbered with FISH tag plus "letter" suffix, e.g. 01-234 *classroom* 01-234A *storage room/ closet, toilet rooms, vestibule, inside the classroom.*
  - 3. Size of tag shall be 2-inches tall x 3-inches wide;  $\frac{3}{8}$ -inch high white color letters; background color of sign varies.
  - 4. Provide square corners.
- C. The following rooms listed below include but not limited to shall receive a room name sign and a FISH tag:

Reception Area

Admin./ Staff Offices



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Student Dining Room	Faculty Dining
Guidance	Multi-Purpose Room
Kiln Room	Media Center
Custodial Room	Data/ Electrical Room
Agriculture Barns	Storage/ Closets
Hazardous Storage	Flammable Storage or
Auditorium	Stage
Mechanical Room	High Voltage Area
Gymnasium	Ticket Office
Elevator (at each level)	Stairs
Male Locker Room	Female Locker Room
Clinic	Teacher Planning Area
Female Faculty Toilets	Male Faculty Toilets
Elevator Equipment Room	Time-out Rooms
Kitchen (at each ext. door)	Cafeteria
Male Student Toilet Room	Group Male Toilet Rooms
Female Student Toilet Rooms	Group Female Toilet Rooms
Classrooms, Skills Labs	Science Labs
Corridors	Covered Walkways (on FISH map only)
Staff Toilet- Male /Female	Departmental Titles

**3.05 TRAFFIC SIGNS**

- A. The following traffic signs should be provided where needed. All signs are to be FLDOT compliant.
- B. Parking signs height shall be 6-ft. min. from ground to bottom of sign.
  1. Provide adequate wheel clearance from curb or wheel stop. Parking signs shall meet State DOT Standards and ADA Requirements.
- C. The preferred sign size is noted below. In the event of a size discrepancy, FLDOT regulations are to be followed. Signs are to be mounted on 11-ft. posts with the bottom of the sign at 7 ft., 2-inches above grade unless otherwise noted. Please refer to the Manual on Uniform Traffic Control Devices (MUTCD) for FLDOT standards, which is available on-line. The following list is including but not limited to the more used signs with their sizes (all measurement units in inches below):
  - AUTHORIZED VEHICLES AND PERSONNEL ONLY 18 x 24
  - BUSES ONLY 12 x 18 or 18 x 24
  - DELIVERY ONLY 18 x 24
  - DO NOT ENTER 24 x 18
  - ENTRANCE 24 x 18
  - EXIT 24 x 18
  - FACULTY PARKING ONLY 18 x 24
  - FORM SINGLE LANE TO THE RIGHT. KEEP
  - MOVING FORWARD TO STUDENT PICK UP POINT 18 x 24
  - HANDICAP 18 x 18 or 24 x 24





**DIVISION 10**

**SECTION 10430 — SIGNAGE**

- KEEP RIGHT 18 x 24
- LOAD AND UNLOAD 12 x 18
- LOW CLEARANCE 18 x 18
- NO PARKING 12 x 18 or 18 x 24
- NO PARKING ANYTIME 18 x 24
- NO PARKING BETWEEN SIGNS 18 x 24
- NO PARKING HERE TO CORNER 18 x 24
- NO PARKING THIS SIDE 18 x 24
- NO THROUGH TRAFFIC 18 x 24
- ONE-WAY RIGHT 18 x 24
- ONE WAY LEFT 18 x 24
- PICK-UP POINT 18 x 24
- RESERVED FOR SCHOOL BUSES 18 x 24
- SPEED LIMIT, 5 M.P.H. 18 x 24
- SPEED LIMIT, 10 M.P.H. 18 x 24
- SPEED LIMIT, 15 M.P.H. 18 x 24
- STOP 24 x 24
- STUDENT PARKING 12 x 18
- TOW AWAY ZONE 18 x 24
- THIS PARKING LOT IS NOT PROTECTED. THE SCHOOL BOARD IS NOT RESPONSIBLE FOR LOSS OR DAMAGE TO YOUR VEHICLE OR ITS VISITOR PARKING ONLY 18 x 24

END OF SECTION



**DIVISION 10**

**SECTION 10520 — FIRE PROTECTION SPECIALTIES**

**PART 1 – GENERAL**

**1.01 EXTENT OF SECTION**

- A. This section contains the requirements relating to fire extinguishers and storage cabinets, not including items or devices physically connected to a fire protection system.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

**1.02 QUALITY ASSURANCE**

- A. Source Limitations: Obtain fire extinguishers and cabinets through one source from a single manufacturer.
- B. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Standard for Portable Fire Extinguishers."
- C. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.
  - 1. Provide extinguishers listed and labeled by FM.

**PART 2 – DESIGN**

**2.01 REQUIREMENT FOR PROVIDING FIRE EXTINGUISHERS**

- A. Fire extinguishers are life safety items that must be indicated on DP (Life Safety) plans for permit approval before construction is allowed to begin.
- B. Prior to construction, DP shall coordinate and receive approval from PCSB FIRE MARSHALS for fire extinguisher locations and types, for proper coverage. Fire extinguishers are to be shown on Life Safety plans.

**2.02 BUILDING FIRE EXTINGUISHERS**

- A. GENERAL: Fire extinguishers and fire blankets are provided as follows (Class ABC extinguishers may be used for all types of fires classified as A, B, or C except as modified below). Provide fire extinguishers for each extinguisher cabinet and other locations indicated, in colors and finishes selected by Architect from Manufacturer's Standard which comply with requirements of S.R.E.F. UL approved fire extinguishers shall be provided as per NFPA 10 for all buildings and located by PCSB FIRE MARSHAL in conjunction with PCSB PROJECT COORDINATOR (Recessed type in exit Corridors).
  - 1. 10# ABC shall be provided in all Corridors and Kiln Rooms.
  - 2. 10# CO2 extinguishers shall be provided in all Mechanical spaces.
  - 3. FE-36 (5lb) extinguishers or a suitable equal shall be provided in all Computer Areas, Media Centers and Laboratories.



**DIVISION 10**

**SECTION 10520 — FIRE PROTECTION SPECIALTIES**

- B. Fire extinguishers and fire blankets are placed in locations which are readily accessible and suitable for the hazard present and are readily visible. Extinguishers and blankets are on hangers or brackets, shelves, or cabinets so that the top of the extinguisher or blanket is five (5) feet or less AFF (objects projecting more than four (4) inches from the wall shall comply with State and Federal accessibility requirements).
- C. TYPES:
1. Class A fire extinguishers of at least 4-A capacity are installed in spaces where wood and papers are stored, such as woodworking shops and storerooms, and in each portable/ relocatable classroom. Throughout an educational facility, Class A fire extinguishers are located so that the travel distance from any point in the facility to an extinguisher is seventy-five (75) feet or less.
  2. Class B fire extinguishers of at least 20-B:C capacity are installed in spaces where flammable liquids are stored, such as science labs, auto shops, boiler rooms, duplicating stations, and bulk storage of paints, and extinguishers are located so that the travel distance from any point in the space to an extinguisher is fifty (50) feet or less.
  3. Alkaline dry chemical extinguishers, such as sodium bicarbonate or potassium bicarbonate, are installed within fifteen (15) feet of cooking equipment in kitchens, home economics labs, teacher lounges, classrooms, etc.
  4. Class C fire extinguishers of at least 20-B: C capacity is installed in locations where electrical devices are likely to overheat, such as electronic labs and equipment rooms.
- D. Fire extinguishers are readily accessible at all times. (Fire extinguishers may be located inside student-occupied spaces provided they are located adjacent to the primary exit door and the door remains unlocked when the facility is occupied, and a permanently affixed sign, with a red background and white letters reading "FIRE EXTINGUISHER INSIDE" is placed on the outside.
- E. FIRE EXTINGUISHER WITH CABINETS: Fire extinguisher cabinets shall:
1. Shall be semi-recessed and shall not protrude more than 4" from the wall.
  2. Not be lockable unless they are placed on the exterior of the building.
  3. Be sized to hold a minimum of ten-pound ABC-type fire extinguisher.
  4. Maintain the appropriate fire ratings when the cabinets are placed in rated walls.
  5. Have the words "Fire Extinguisher" clearly visible on the exterior of the cabinet.
  6. Have signage placed to guide occupants to their location when hidden by columns or other building components.
  7. Be CONTRACTOR-supplied and CONTRACTOR-installed.
- F. FIRE EXTINGUISHER WITHOUT CABINETS: Buildings without fire extinguisher cabinets shall have all extinguishers surface mounted in locations as specified by the requirements of NFPA 10.

**2.03 PORTABLE FIRE EXTINGUISHERS**

- A. Provide extinguishers and cabinets as indicated on "Life Safety Plan" or other drawings.



**DIVISION 10**

**SECTION 10520 — FIRE PROTECTION SPECIALTIES**

- B. Provide nominal 6 pound dry chemical type, rated 3A-40BC to stop Class A, B & C Fires. Mount at 4'-0" maximum above floor to top, or as instructed.
- C. Provide typical surface mounting clips, except where in cabinet.
- D. All fire extinguishers shall be furnished with dated certification tag showing extinguishers being valid for 12 full months after substantial completion date.

**PART 3 – EXECUTION**

**3.01 DURING CONSTRUCTION**

- A. The CONTRACTOR is responsible for supplying and maintaining fire extinguisher coverage for the building portion of a building under construction or renovation.
- B. INSTALLATION
  - 1. Comply with manufacturer's written instructions for installing fire protection specialties.
  - 2. Install in locations and at mounting heights indicated or, if not indicated, at heights acceptable to authorities having jurisdiction.
    - a. Prepare recesses for cabinets as required by type and size of cabinet and trim style.
      - 1). Fasten cabinets to structure, square and plumb.

END OF SECTION



**DIVISION 10**

**SECTION 10530 — PROTECTIVE COVERS**

**PART 1 – GENERAL**

**1.01 EXTENT OF SECTION**

- A. This section contains the preferences for cover for walkways.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

**1.02 DESCRIPTION OF WORK**

- A. The extent of aluminum walkway covers is shown on the drawings, and as specified herein.
- B. Definition: Extruded Aluminum Walkway Cover shall consist entirely of extruded aluminum sections (roll-formed not acceptable). System shall consist of heli-arc welded, one-piece rigid structural bents (Column and beam assemblies), decking, fascia, accessory items and hardware to provide a complete system.
- C. Flashing and sheet metal not work of this section is specified in Section 07620.

**1.03 QUALITY ASSURANCE**

- A. Codes and Standards: Comply with provisions of the following except as otherwise indicated:
  - 1. American Society of Civil Engineers, ASCE-7, Latest Edition adopted by D.O.E.
  - 2. AWS (American Welding Society) standards for structural aluminum welding.
- B. Manufacturer: Obtain aluminum covered walkway system from only one manufacturer, although several may be indicated as offering products complying with requirements.
- C. Manufacturer Qualification: Manufacturer with not less than 5 years' experience in the manufacture of aluminum covered walkway systems of the type and quantity indicated.
- D. Installer Qualification: Firm with not less than 3 years' experience in installation of aluminum walkway covers of type, quantity and installation methods similar to work of this section.
- E. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication where possible, to insure proper fitting of work. However, allow for adjustments within specified toleration wherever taking of field measurements before fabrication might delay work.
- F. Shop Assembly: Preassemble units in shop to greatest extent possible and disassemble as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.
- G. Coordination: Coordinate work of this section with work of others sections, which interface with covered walkway system (sidewalks, curbs, building fascia's, etc.).



**DIVISION 10**

**SECTION 10530 — PROTECTIVE COVERS**

**1.04 WARRANTY**

- A. Manufacturer shall warrant the entire system against defects in labor and materials for a period of one (1) year commencing on the date of substantial completion as established in Division One of these specifications.
- B. Intention of this warranty is the manufacturer shall come onto the jobsite and do all necessary to effect corrections of any deficiencies.
- C. Prima Facie Evidence of defects in labor and material include but is not limited to, one or more of the following:
  - 1. Moisture leaks
  - 2. Metal failure including excessive deflection
  - 3. Fastener failure
  - 4. Finish failure

**PART 2 – DESIGN**

**2.01 MATERIALS AND COMPONENTS**

- A. ROOF DECK: Extruded aluminum shapes, interlocking self-flashing sections. Shop fabricates to lengths and panel widths required for field assembly.
- B. Covers and Canopies should not overhang bus loading/ unloading area or driveways.
- D. Low slope roof design live load requirement 30 psf. The structure shall be designed to meet the wind loading requirements of ASCE 7- latest edition.
- E. Walkway canopy lighting shall be specifically included with the electrical contractor. Electrical conduits shall be installed in the canopy flutes and covered using the manufacturer's standard snap on covers.

If this system is not available for renovation or remodeling projects, then place conduits on the underside of the canopy roof system from fixture to fixture.
- F. Specify exposed conduit as Electrical Metallic Tubing (Thin wall) for areas above 8-ft. Use rigid conduit from ground level to 8-ft.
- G. Detail all walkway canopies with foundations to be embedded into concrete footings, not bolted. Surface mounted plates shall be accepted.
- H. Detail the location of walkway canopy columns to have a minimum distance of 24-inches from face of the column to edge of pavement.
- I. Curbing at bus and car drop-off areas, with walkway canopies, shall be a minimum of 6-inches high. Do not detail a flat transition at drop-off locations, unless bollards are used 6-ft. on center. The curb is intended to protect pedestrians and the walkway columns.
- J. Width to height proportions should be such that the walkway is protected during normal rain conditions. A tall narrow cover configuration should be avoided.



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**SECTION 10530 — PROTECTIVE COVERS**

- K. Detail walkway canopies to have a minimum clear height of 8-ft. and extend to 12-inches beyond each side of the designated walkway width.
- L. Detail bus drop-off canopies with a minimum clear height of 14-ft. and bollards, See DP Design and Construction Documents for location of bollards.
- M. Covered areas shall extend at least to one major entrance of all buildings on campus; except portables where consideration shall be given on a case by case basis.
- N. Design to allow for ease of maintenance.
- O. Low slope covers shall drain water to the edge of the canopies on the non-paved side.

**2.02 DRAINAGE**

- A. RAIN DRAINAGE: provide for water run-off from roof deck units into a gutter and downspout system fabricated as an integral part of the roof support frames (bents). Discharge at grade level or into a storm water collection system. See DP Design and Construction Documents.
- B. Coordinate the column locations and tie in to an underground storm system where practical. Water shall not drain from adjacent surfaces onto canopies.
- C. Downspouts should not be located in an area where it would be susceptible to damage by vehicles.

**2.03 FINISHES**

- A. Decking, Aluminum Columns, Bents: Satin anodize 204-R1 meeting Aluminum Association specifications AA-M-10C-22A-21.
- B. Fascia: Two coat Kynar finish, color as selected by Architect.
- C. Fasteners:
  - 1. Deck Screws (rivets not permitted): Type 18-8 non-magnetic stainless steel sealed with a neoprene "O" ring beneath 5/8" outside dimension, conical washer.
  - 2. Fascia Rivets: Size  $\frac{3}{16}$ -inch by  $\frac{1}{2}$ -inch grip range aluminum rivets with aluminum mandrel.
  - 2. Bolts: All bolts, nuts and washers to be 18-8 non-magnetic stainless steel.
  - 4. Tek Screws: not permitted.

**2.04 FABRICATION**

- A. General: Comply with indicated profiles and dimensioned requirements, and with structural requirements.
- B. Support Frames (Bents): Use sections true to details with clean, straight, sharply defined profiles and smooth surfaces of uniform color and texture, free from defects impairing strength and durability.



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**SECTION 10530 — PROTECTIVE COVERS**

1. Bents, beams and columns shall consist of shop welded one piece units, when size of bents do not permit shipment as a welded unit, concealed mechanical joints may be used.
- C. Welding: Heli-arc process.
- D. Roof Deck: Extruded aluminum shapes, interlocking self-flashing sections. Shop fabricate to lengths and panel widths required for field assembly. Depth of sections shall comply with structural requirements. Provide shop induced camber in deck units with spans greater than 16-ft. to offset dead load deflections. Welded dams are to be used at non-draining ends of deck as required. Refer to architectural details.
- E. Expansion Joints: Design structure for thermal expansion and contraction. Provide expansion joints as required.
- G. Flashings: flashings required between covered walkway system and adjoining structures are not work of this section.
- H. Mechanical Joints: shall consist of stainless steel bolts with a minimum of two (2) bolts per fastening. Bolts and nuts shall be installed in a concealed manner utilizing ½-inch thick by 1½-inches aluminum bolt bara welded to structural members. All such mechanical joints must be detailed on shop drawings showing all locations.
- I. Exposed rivets used to fasten bottom of fascia deck to have finish to match fascia.
- J. Apply a shop applied dip-coat of clear acrylic enamel to each column end terminating in concrete to insulate from electrolytic reaction. Column ends shall be pierced to “key” grout to bent for maximum uplift protection.
- K. Sleeves (styrene foam blackouts’) shall be furnished by walkway cover manufacturer and placed by CONTRACTOR.

**PART 3 – EXECUTION**

**3.01 INSTALLATION**

- A. Install roof support frames (bents), gutter beams, columns, gutters, roof deck units, accessories and flashings in accordance with manufacturer’s recommendations and/ or DP’s Design and Construction Documents.
- B. Install roof deck sections, accessories and related flashings in accordance with the DP’s Design and Construction Documents and/ or manufacturer’s recommendation. Provide roof slope for rain drainage without ponding water. Align and anchor roof deck units to structural support frames.

END OF SECTION





**DIVISION 10**

**SECTION 10650 — OPERABLE WALL PANELS AND ACCORDION PARTITIONS**

**PART 1 – GENERAL**

**1.01 EXTENT OF SECTIONS**

- A. This section contains information on operable wall panels and accordion partitions.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

**PART 2 – PRODUCT**

**2.01 MANUFACTURER**

- A. Reference herein is to Panelfold and establishes the required standard of quality for this work. Subject to meeting requirements, acceptable alternate producers/series are:
  - 1. Customfold, Inc.,
  - 2. Emco,
  - 3. FolDoor Operable Walls - 7500 Series, 3" thick, STC 51,
  - 4. Hufcor,
  - 5. Kwik-Wall - 3500 Series,
  - 6. Panelfold - Series 820, 4" thick, STC 52.
- B. Acousti-Seal Paired Panel Model 932, manual operation, center stack.
  - 1. Acoustical Performance: Laboratory acoustical performance of the operable wall shall have been tested in an independent laboratory in accordance with ASTM E90-75 test procedure and shall have attained an STC rating of no less than 51.
  - 2. Field sound performance shall have been tested on an actual field installation by an independent certified acoustical consultant in accordance with ASTM E336-76 and achieved no less than 42 N.I.C. and/or FSTC.
  - 3. Panel Construction: Panels shall be steel construction, nominal 4" thick. All panel framing elements shall be minimum 16 gauge. Panel skins shall be minimum 21 gauge with electrolytic flash coat zinc finish to inhibit rust. Panel skins shall be lock formed and welded directly to frames to form a unitized panel for non-racking rigidity and durability. Panel cores shall be insulated with non-combustible material as required to meet acoustical performance and provide rigid backing for skins.
    - a. Panel Weight: shall not exceed 12 pounds per square foot.
    - b. Panel Finish: manufacturer's standard vertical-rib wall carpeting, acoustical absorption .20 - .30 NRC, Class "A" per ASTM E-84 Tunnel Test (flame spread 20, fuel contributed 10, smoke developed 5), minimum weight 21 oz. per lin. yard, fused bonded backing.
    - c. Colors will be selected from manufacturer's standard, upon return of shop drawings.
    - d. Panel Sizes: provide panels at each location specified, in an even number of equal panels, organized in hinged pairs, with the width of an individual panel not to exceed 48", however, stacking space may dictate lesser width panels.
  - 4. Sound Seals:
    - a. Provide vertical sound closure astragals at each panel edge with sound seals, in a concealed from view, reversible tongue and groove configuration.
    - b. Horizontal top seals shall be continuous contact extruded vinyl bulb shape, with pairs of non-contacting vinyl fingers.



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**SECTION 10650 — OPERABLE WALL PANELS AND ACCORDION PARTITIONS**

- c. Operable floor seals - shall provide operable travel of  $\pm 1.5"$ . Downward seal pressure shall assure an acoustical seal and resist panel movement. Seal shall be operable from either panel edge.
- d. At stack side provide an adjustable hinge jamb and at opposite side of opening provide a fixed jamb receiver secured to wall.

**2.02 SUSPENSION SYSTEM (Series #14 track system)**

- A. Suspension system must be all steel with a minimum 3" x 3" x 3/16" formed track. Track supports to be adjustable hanger brackets connected to structural support by pairs of minimum 1/2" diameter threaded rods.
- B. Track soffit to be factory finished off-white steel and permit mounting to track brackets without exposed fasteners.
- C. Trolleys shall be all steel with four (4) ball-bearing steel tired wheels.
- D. ARCHITECT will accept prefinished aluminum track, 6063T6 structural grade alloy provided manufacturer confirms that it is structurally capable of supporting panel load with a proven long life wear performance.

**PART 3 – EXECUTION**

- 3.01** See details for necessary blocking and supports.
- 3.02** Installation shall be by an authorized factory trained installer, in accordance with approved shop drawings and ASTM E557 installation procedure.
- 3.03** Prepare track and suspension system properly supported from building structure including lateral bracing. Set track level and properly adjusted with designed clearance between floor and ceiling. Provide access doors at required adjustment locations.
- 3.04** Install panels only after floor and other finishes have been completed.
- 3.05** Instruct and demonstrate operation of assembly to OWNER'S representative and ARCHITECT.
- 3.06** Field finish paint ceiling sweep if not factory prefinished, by Division 9. Caulk all joints.
- 3.07** Leave installation clean, adjusted to operate smoothly, free of damage and defects, protect from damage until project is accepted by OWNER. Repair and/or replace any damage as instructed by ARCHITECT or OWNER.
- 3.08** Provide 20 square feet of each color/pattern of covering material for patching by OWNER after OWNER acceptance. (Assume three colors with a total quantity of material required = 60 SF.)

END OF SECTION



**DIVISION 10**

**SECTION 10800 — TOILET ROOM ACCESSORIES**

**PART 1 – GENERAL**

**1.01 EXTENT OF SECTION**

- A. This section contains a list of manufactured items and requirements, intended to be used along with the PCSB FACILITIES PROGRAM for locations on some of the items listed below.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

**1.02 ACCESS FOR DISABLED PERSONS**

- A. All toilet accessories shall comply with the Florida Building Code - Accessibility, latest edition.
  - 1. If replacing an accessory, contact PCSB Business Services Division., Purchasing Dept. at (863) 534-0575.

**1.03 TOILET ROOM ACCESSORIES**

- A. All toilet accessories shall be surface mounted and recommended manufacturer shall be Bobrick or equivalent.
- B. For specific locations, please refer to PCSB FACILITIES PROGRAM.
- C. All new construction or major renovation/ remodel accessories are CONTRACTOR'S responsibility.
- D. All accessories shall be vandal resistance and as few moving parts as possible and stainless steel or cast iron with porcelain finish:
  - 1. SOAP DISPENSER
    - a. Surface mount #B-2112
    - b. satin finish stainless steel for liquid soaps and detergents.
    - c. Provide one in each single user toilet room;
    - d. one per sink in each group toilet;
    - e. and one in each H/C toilet stall/room, and as DP Design and Construction Documents.
  - 2. TOILET PAPER DISPENSER
    - a. Double roll type surface mounted heavy duty cast aluminum,
    - b. satin finish #B-2746 controlled delivery.
    - c. Mount one in each toilet stall and in single toilet rooms.
  - 3. MIRROR
    - a. #B-1658-1836, 18-inches width x 36-inches ht.
    - b. stainless steel framed, with tempered mirror glass.
    - c. Mount with bottom at 40-inches AFF.
  - 4. MIRROR, FULL LENGTH
    - a. #B-1658-2060, 20-inches width x 60-inches ht.
    - b. stainless steel framed, with tempered mirror glass.
    - c. Mount with bottom at 14-inches AFF.
  - 5. GRAB BARS FOR ACCESSIBLE LOCATIONS



**DIVISION 10**

**SECTION 10800 — TOILET ROOM ACCESSORIES**

- a. Grab bars shall comply with the latest editions of SREF, The Department of Community Affairs and the latest edition of The FBC.
- b. Bars shall be 1½-inches outside diameter, satin finish, concealed mounting with set screws.
- c. Provide configurations as follows and as indicated on drawings.
  - 1) Individual H/C toilet rooms and combination stall shall have two grab bars. Mount all bars at 33-inches.
  - 2) Accessible Shower shall have grab bars equal to #B-6806 x 30-inches and 48-inches. Mount one 30-inches long at each end of shower and one 48-inches long on side wall, all mounted at 34-inches AFF.
6. FEMININE NAPKIN DISPENSER
  - a. #B-2800 x 2 double coin surface mount.
  - b. Mount unit with coin slot at 44-inches above floor.
  - c. Provide one each in Women's Restrooms.
  - d. Verify coin value before manufacturing.
7. FEMININE NAPKIN DISPOSAL
  - a. Bobrick #254 single, surface mounted unit.
  - b. Provide at each toilet/toilet stall in Women's Restrooms.
8. MEDICINE CABINET
  - a. #B-299 surface mount unit with ± 17-inches x 27-inches mirror door,
  - b. Type 304 stainless steel satin finish,
  - c. 4 adjustable shelves.
9. TOWEL BAR
  - a. #B-530 stainless steel,
  - b. 1-inch diameter stainless steel with concealed mounting.
10. ROBE HOOK
  - a. #B-672 double.
  - b. Provide as follows:
    - (1) Group toilets throughout - one on stall side of each door.
    - (2) All Buildings - one on room side of door in **all** single user Toilet Rooms.
    - (3) Each dressing compartment – provide two.
11. ELECTRIC WARM AIR HAND DRYER
  - a. Electric warm air hand dryers shall be equal to Model A5 Fixed Nozzle by World Dryer and include the following:
    - (1) Dryers shall include a ¼-inch thick case iron cover. Cover shall be finished with porcelain enamel.
    - (2) Dryer shall deliver 7300 linear feet of air per minute (LFM).
    - (3) Dryer shall be activated by means of a push button control device.
    - (4) Timer shall be mechanical, cam-operated type.
    - (5) Dryer shall be listed under re-examination service of Underwriters' Laboratories, Inc.
    - (7) Dryer shall have a 10 year limited parts warranty against defects in materials and workmanship.
12. SHOWER CURTAIN / ROD
  - a. Rod: #B-6107, 1-inch diameter heavy duty stainless steel, lengths as required.
  - b. Curtain: #B-204 vinyl opaque white curtain, 72-inches long.
    - (1) Furnish with matching hooks #204 in quantities required.
    - (2) Provide one at Clinic Shower
13. PAPER TOWEL DISPENSER
  - a. #B-263 surface mounted, 400 towel capacity, single fold, dispenser shall be lockable;
  - b. Type 304 stainless steel finish;
  - c. Provided at the following locations:



**DIVISION 10**

**SECTION 10800 — TOILET ROOM ACCESSORIES**

- (1) Provide one in each single user toilet room not equipped with electric dryer,
- (2) one at each hand sink in Kitchen area,
- (3) one at each counter mounted sink throughout project.

**14. HANGING ROD**

- a. #9531, 1¼-inches Dia. Stainless steel w/ #9522 supports as required.

**15. LOCKER ROOM BENCHES**

**a. MATERIALS**

- (1) Solid plastic locker benches shall be fabricated from High Density Polyethylene (HDPE) consisting of virgin resin materials in colors that extend throughout the surface which is waterproof, non-absorbent and has a self-lubricating surface that resists marking with pens, pencils or other writing utensils. The solid plastic locker benches shall have recycled and/or virgin materials (HDPE) as the core material.
- (2) All solid plastic locker benches shall arrive at job-site with special protective covering.
- (3) Finish of locker benches shall be similar and equal to Santana Products Inc. "Plasti-Glaze 280."
- (4) Colors shall be selected from the manufacturer's full range of colors.

**b. FABRICATION**

**(1) Locker Bench**

- (a) Solid plastic locker bench tops shall be 9½-inches wide; maximum length is 96-inches long.
- (b) Solid plastic locker benches shall be a minimum of 1⅜-inches thick and all edges machined to a radius of .250-inch and all exposed surfaces shall be free of saw marks.

**c. Pedestal Leg**

- (1) Pedestal leg shall be 2-inches diameter extruded aluminum; pedestal base shall be 6-inches diameter by .625-inch thick minimum, extruded aluminum legs and bases shall be coated with "Tuff-Coat Black" anodized finish

**16. FOLDING SHOWER SEAT**

- a. No. B-5171 (right hand seat) and No. B-5181 (left hand seat).
- b. Barrier-free solid phenolic seat slats with type 304 stainless steel frame and mounting hardware.

**17. MOP RACK**

- a. #B-233x24, provide one in each custodial closet.
- b. Locate as indicated on plans, 60-inches to top.

**18. FOLDING DRESSING SEAT**

- a. No. B-5191 Barrier-free solid phenolic seat slats with type 304 stainless steel frame and mounting hardware.

END OF SECTION