

## **DIVISION 10 SPECIALTIES**

### **Section 10 11 00 Visual Display Surfaces**

- 1 To DC350, PART 1, Section 2, Division 10, and as specified below.
- 2 Communication Boards
  - 2.1 Complete with trim or frame with coloured inserts, map rail, map hooks. Four rows of permanent music lines on one board of music room whiteboards, see Room Data Sheets. Mounting heights, extent and location as per individual room requirements.
  - 2.2 Gymnasium:
    - 2.2.1 provide 2 white boards in all high schools, and in all P-12 schools with gyms greater than 5000 sqft having a gym divider curtain. Recess such whiteboards into gym wall and locate one on each side of the curtain divider. All white boards to be 40 sqft each.

### **Section 10 11 23 Tack Boards and Bulletin Boards**

- 1 Generally 1/8" natural cork (light colour), laminated to 3/8" fibreboard backing, sealed at edges. Trim as for communication boards. Mounting heights and extent as per individual room requirement.
- 2 Type 1 Tackboard - feature strip
  - 2.1 one foot high strip above communication boards, in addition to the Type 2, general square foot requirements for tack boards.
  - 2.2 Provide Type 1 Tack Boards for:
    - 2.2.1 Typical Classroom (P-4 classrooms only)
    - 2.2.2 Language Classroom
- 3 Type 2 Tackboard - general massing
  - 3.1 Provide the following square foot requirements as per the Room Data Sheets.

### **Section 10 14 00 Signage**

- 1 Incorporate building numbering system into the drawing numbering system.
- 2 Interior Signage:
  - 2.1 Materials: aluminum, with black letters and numbers.

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- 2.2 Faces of colour 3/16" acrylic sheet, raised character number and name plates, radiused corners, non glare finish, color contrast required.
  - 2.3 Mounted with stainless steel screws, countersunk.
  - 2.4 Number plates shall be sized to accommodate number location on the door frame.
  - 2.5 Combination name and number plates to be provided for program areas only. 3" high and 20" long. Locate on or beside doorway as operation will support.
  - 2.6 All rooms to have a number. Name plates to be located on classroom doors where possible, beside washroom openings on corridor wall and on all speciality areas. (ie. Gym, cafeteria, library, tech ed. chemistry lab, music, etc.) (Learning Support classroom to be identified as "classroom" only)
  - 2.7 All interior signage to be designed and mounted in accordance with CAN CSA B651 Barrier Free Design, Public Safety A National Standard of Canada.
  - 2.8 Room numbering system must be established so as to allow consecutive numbering of all classroom and major assembly areas, to assist in way finding. (ie. Classroom 100, 101, 102, 103...(first floor) physic Lab 200, Chemistry lab 201...(second floor))
  - 2.9 Room name plates are required on all specialized rooms.
  - 2.10 Identification Devices:
    - 2.10.1 Provide male or female pictograms for all washrooms/shower. Size, colour and style to be selected by Consultant.
    - 2.10.2 International symbol of access (CAN 2 321) indicating barrier free accessibility for all washrooms.
- 3 Exterior Building Identification Signage.
- 3.1 Exterior Signage to be graphically designed to be appealing and functionally consistent with the nature, intent and functionality of the project.
  - 3.2 Quantity of letters and digits to suit design and identify building per official approved name and civic number.
  - 3.3 All exterior signage to conform with applicable local by-laws and regulations as well as the requirements of Emergency Measures Organization Standards.
  - 3.4 Signage designer will consider project function when establishing location, size, layout and illumination of building identification signage.
  - 3.5 Coordinate security illumination with signage illumination.
  - 3.6 Unless approved otherwise, minimum exterior digits and letters to be 300 mm high (12") prefinished baked enamel individual cast aluminum consistent with Aluminum Association Alloy Designation C443.2 unless anodic coating selected in which case cast aluminum will conform with Aluminum Association Alloy Designation 514.2 or A514.2.
  - 3.7 Colour to closely match approved project colours utilizing manufacturer's standard colours where feasible.

- 3.8 Letter and digit style to be sans serif as per the CAN CSA B651 Barrier Free Design, Public Safety A National Standard of Canada.
- 3.9 Letters and digits of Exterior Building Identification Signage is to be individually affixed to building, projection mounted.

**Section 10 21 13 Plastic Laminate Toilet Compartments**

- 1 To DC350, PART 1, Section 2, Division 10, 10 21 13.

**Section 10 22 23 Operable Partitions**

- 1. Operable door to be Modern fold, finish to be heavy duty vinyl, complete with 'matching pass door' made of same construction as panel. Sound transmission rating of STC 48 as specified in DC350, Part 2, Section 2.

**Section 10 28 00 Toilet, Bath, and Laundry Accessories**

- 1 Student Washrooms (Building Support Services)
  - 1.1 Provide barrier-free accessories as required, including mirrors, soap, paper towel and dispensers.
- 2 Materials
  - 2.1 Washroom Accessories
    - 2.1.1 Specified manufacturer's catalogue references establish minimum acceptable standards for Work of this Section.
  - 2.2 Provide all items listed in DC350, PART 1, Section 2, Division 10, 10 28 00 except as follows:
    - 2.2.1 Washroom partitions:
      - 2.2.1.1 Elementary Schools: partitions may be constructed of plastic laminate over a particle core. Construct Middle and High Schools washroom partitions to Part 1, Section 2 Division 10, 10 28 00 requirements.
      - 2.2.1.2 Washroom partitions in schools are to be floor mounted and overhead braced.
    - 2.2.2 Hand dryers are not required in school washrooms.
    - 2.2.3 Soap and towel dispensers are to be designed into washroom layout, shall be provided by the school board, and installed by the Contractor.

## Section 10 44 00 Fire Protection Specialties

- 1 Fire Blanket Station
  - 1.1 Fire retardant 100% wool blanket in wall mounted metal case.
  - 1.2 Blanket size: 60" x 80".
  - 1.3 Acceptable product: Fisher Scientific Model 10-004; Northwest 17-5153A or National Fire Equipment.
  
- 2 Flammable Storage Cabinet
  - 2.1 One required in each science lab.
  - 2.2 Cabinet to have double walls of 18 ga. steel with 1 ½" air space and welded joints.
  - 2.3 Self-closing door with fusible link to assure automatic closing of door in case of fire in cabinet.
  - 2.4 Large red lettering on door reading: *Flammable - Keep Fire Away*.
  - 2.5 cabinet to be secured to wall at studs
  - 2.6 self closing door with fusible link to assure automatic closing of doors in case of fire in cabinet.
  - 2.7 Capacity:
    - 2.7.1 120 litre capacity with one 14" deep adjustable shelf.
  - 2.8 Overall size
    - 2.8.1 18" x 43" x 44".
  - 2.9 Acceptable Product:
    - 2.9.1 Fisher Scientific Model 14-204.

## Section 10 51 00 Lockers

- 1 Half Height Lockers
  - 1.1 For Junior High, Middle & High Schools in the Change & Shower Rooms, provide
    - 1.1.1 32 half height, heavy duty lockers, 15" wide, 12" deep complete with 30" deep, 18" high bench base, per change room.
    - 1.1.2 Provide three hardwood benches, 8 ft. long per change room not fixed in a mannerto restrict wheelchair access.
  - 1.2 For Junior High, Middle and High Schools in the Corridors, provide
    - 1.2.1 Half-height, heavy duty lockers
      - 1.2.1.1 15" wide X 12" deep.
      - 1.2.1.2 One locker for each student as per design occupant load is required.
  - 1.3 Top: Sloping
  - 1.4 Accessories: Hat shelf, 2 coat hooks.

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- 1.5 Latch: for Owner's padlock.
  - 1.6 Number Plates: As directed.
  - 1.7 Colours: As indicated on colour schedule.
  - 1.8 All lockers to be factory assembled.
  - 1.9 Doors: Double pan design, 16 ga. outer panel and 24 ga. steel inner panel, complete with reinforcing z bars per door.
  - 1.10 Frame: 16 ga. steel.
  - 1.11 Sides and back - 24 ga. steel.
  - 1.12 Top: 20 ga. steel.
  - 1.13 Manufacturer: GSW; Shanahan; Lincora; List. Hadrian
  - 1.14 Continuous hinges
  - 1.15 Corridor lockers have to have venting below, above, or through doors, and through sloped top, shelves and sides. Gym change room locker doors are to be perforated. See ASK-19 attached for locker detail for block walls.

#### **Section 10 57 00      Wardrobe and Closet Specialties**

##### **1 Coat Racks**

- 1.1 For elementary schools, provide coat racks.
- 1.2 Ensure coat rack heights for grades P, 1 and 2 are lower than for grades 3-6.
- 1.3 Ensure coat racks and are in located in corridors, are in reasonable proximity to the learner's classroom and barrier-free.

#### **Section 10 73 00      Protective Covers**

##### **1 Canopies**

- 1.1 Provide a canopy at the main entrance to the school used by children waiting for buses or parent pick-up.
- 1.2 The canopy to be a minimum of 200 sq. ft. and maximum of 300 sq. ft. in size.
- 1.3 Design canopy as an integral part of the main entrance to the school. All columns to be architecturally finished, all drainage from canopy to be diverted to downspout, roof drains or other as per acceptable industry standards.
- 1.4 Canopy shall include a finished soffit with no exposed beams or frame supports which could allow bird habitation.

#### **Section 10 75 00      Flagpoles**

- 1 Flagpole material to be aluminum. Aluminum Association Alloy AA 6063-T5 seamless extruded aluminum tubing. Sateen finish.

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- 2 Complete unit to be 9.0 m long flagpole including base mounting brackets, anchorage and fittings.
  - 3 Cone tapered flagpole, seamless, uniform, straight line tapered section above cylindrical butt section.
  - 4 Tapered 25 mm in 1.7 m of run.
  - 5 Provide internal splicing, self-aligning sleeve of same material as flagpole for snug fitting, watertight field joints.
  - 6 Finial: 152 mm diameter ball of 4.7 mm minimum thick, aluminum, anodized, colour gold.
  - 7 Truck Assembly: stainless steel ball bearing, non-fouling, revolving double truck assembly, finish to match flagpole.
  - 8 Halyard: internal nylon, braided, with steel or bronze core. Retaining loop and weights for internal halyard, stainless.
  - 9 Swivel Snaps: two per halyard; aluminum with neoprene or vinyl covers.
  - 10 Cleat Box: one per cleat; cast aluminum finish to match flagpole. Furnish hasp for padlock, hinged cover, and tamper-proof screws. Include lockable cleat box. Finish: Clear anodized. Acceptable Manufacturers: All-Canadian Flag Pole Co. ACC-30; John +Ewing & Co. Inc.

**END**