

DIVISION 9 - FINISHES

A. GENERAL

Finishes and items listed below shall be minimum acceptable for area indicated.

1. Kitchen and toilet room walls and ceilings must be constructed of materials that will not suffer damage as a result of repeated washing. Walls should be finished with glazed tile, epoxy paint, or fiberglass reinforced plastic (FRP) panels. Ceilings should be finished with epoxy paint or vinyl faced panels in suspended ceiling grid.
2. Kitchen and toilet room floors shall be seamless material, epoxy resin, or other approved non-porous material.
3. Toilet room walls shall have a minimum 4'-0" high wainscot of fiberglass reinforced plastic (FRP) panels, glazed tile, or other non-porous material.
4. Vitreous type glazes should not be used on exterior walls or walls exposed to moisture, glazed structural tile are recommended.
5. At Gymnasiums, walls to door height should be of materials resistant to hard use. Finish should be non-abrasive, resistant to marking and scarring, and of material that can easily be cleaned.
6. Gym floors in Elementary Schools - consider sports floor covering as well as third grade maple. Rubber and acrylic-based floors are also acceptable.
7. Gym floors in Secondary Schools - synthetic materials, second, or third grade maple parallel with long dimension of gym. Allowance is to be made for expansion of the floors. There shall be adequate protection from moisture gain from floor base. The layout for the gym floor markings will be laid out by the Architect on consultation with the Owner. Lines are to be painted prior to the final coat of floor finish. Floor finish shall be low VOC, Eco-Lab gym finish, or other approved finish system.
8. Floors around shop machinery should be non-skid, abrasive, oil resistant type.
9. Ramps and locker room floors should have non-slip surface.
10. Provide appropriate matching base at all flooring.
11. Resilient tile flooring shall be provided in art and science rooms, cafeteria, and applied technology labs.
12. Carpeting shall be provided for all classrooms, corridors, offices, and meeting rooms.

B. LATH AND PLASTER

Materials, application, and workmanship shall be in accordance with the latest editions of the American National Standards Institute (ANSI) specifications and the Mountain States Bureau for Lath & Plaster specifications for gypsum plaster and portland cement stucco.

C. GYPSUM DRYWALL

1. Work and materials shall conform to the latest edition of ASA (ANSI) Standard Specifications for the Application and Finishing of Drywall and Standard Specifications for the Installation of Steel Framing members to receive screw attached gypsum wall board and backing board.
2. Install water-resistant gypsum board adjacent to, behind all plumbing fixtures, and in any other moisture prone areas full height of wall.
3. Gypsum drywall supports at 16" o.c. maximum spacing.
4. Utilize reinforced impact resistant gypsum board to 8' above finish floor in public corridors and other "high traffic" areas.
5. Finish gypsum board joints and fasten dimples to a "class 4" finish typical.

6. Cement board shall be utilized as substrate for tile installations on framed walls.
7. Unless otherwise noted, Gypsum board and partition wall systems shall conform to the following:
 - a. Metal Studs: ASTM C645-76, 3-5/8" galvanized, 25 gauge minimum
 - b. Metal Runners: ASTM C645-76, 3-5/8" galvanized, 25 gauge minimum
 - c. Gypsum Board: ASTM C36, 5/8" Type "X"
 - d. Installation: ASTM C840

D. ACOUSTICAL TREATMENTS

1. A complete reflected ceiling plan at all areas to receive this type of ceiling should be provided, showing integration of light fixtures, diffusers and ceiling-hung equipment.
2. Samples of all materials to be used should be provided to Owner and Architect for review and approval.
3. Special purpose acoustical treatments in auditorium, music rooms, and gymnasium should be in accordance with current acoustical design practices and applicable fire codes. Architect and/or Contractor should submit recommendations to the District Project Manager (COTR) for review.
4. Acoustical ceiling panels in kitchens, toilet rooms, or other moisture prone areas requiring frequent cleaning shall be vinyl faced.
5. Suspended ceiling systems and all other acoustical treatments shall be specified, furnished, and installed in accordance with applicable fire codes and fire-resistive design requirements.
6. Sound insulation shall be provided around music rooms, toilet rooms, meeting rooms, and mechanical equipment rooms.
7. With the exception of specialty acoustical ceiling treatments as noted above, suspended acoustical ceiling systems shall conform to the following:
 - a. Grid: exposed grid with 1-1/2" "T" bars and 15/16" white face
 - b. Hanger Wires: 12 gauge galvanized
 - c. Main Runners: Chicago Metallic 280 series heavy duty (or equal)
 - d. Cross Tees: Chicago Metallic 262/264 (or equal)
 - e. Wall Angle: Chicago Metallic 1409 (or equal)
 - f. Panels: Armstrong Cortega square edge 5/8" white standard fissured mineral fiber panels conforming to Federal Specification SS-A-118A, Class 25 (or equal)
8. Installation
 - a. Provide a complete suspension system inclusive of all required members.
 - b. Provide new materials where indicated on drawings. New components shall match existing.
 - c. Panels and grid components shall be provided and installed by Contractor where required to accommodate the relocation of existing and new ceiling mounted elements.
 - d. For remodel work, existing panels and grid components may be removed and re-installed so long as they are not damaged or soiled. Damaged or stained panels or components shall be replaced.
 - e. Ceilings shall be supported from structural building components. Ceilings shall not be supported from ductwork, piping, conduit, or other non-structural elements.
 - f. Ceilings shall be flat, level, plumb, and true.

E. FLOOR COVERING

Table 1.1: Preferred Floor Covering Types

Area	ES	MS	HS
School Entry Hallways	Walk-Off Mats	Walk-Off Mats	Walk-Off Mats
Hallways	Luxury Vinyl preferred or Carpet (based on location in building)	Luxury Vinyl preferred or Carpet (based on location in building)	Luxury Vinyl or Carpet (based on location in building)
Classrooms	Carpet preferred or Luxury Vinyl (based on location in building)	Carpet preferred or Luxury Vinyl (based on location in building)	Carpet preferred or Luxury Vinyl (based on location in building)
Art Rooms	Luxury Vinyl Tile or Sealed Concrete	Luxury Vinyl Tile or Sealed Concrete	Luxury Vinyl Tile or Sealed Concrete
Restrooms	Luxury Vinyl Tile Epoxy NOT allowed.	Luxury Vinyl Tile Epoxy NOT allowed.	Luxury Vinyl Tile
Gymnasiums	Vinyl Sports Flooring or Rubberized Sports Flooring (not on a floating floor)	Wood	Wood
Cafeterias	Luxury Vinyl Tile	Luxury Vinyl Tile	Luxury Vinyl Tile
Kitchens	Luxury Vinyl Tile	Luxury Vinyl Tile	Quarry Tile
Stairs	Rubber Stair Treads or Sealed Concrete	Rubber Stair Treads or Sealed Concrete	Rubber Stair Treads or Sealed Concrete

F. FLOORING INSTALLATION REQUIREMENTS

1. All flooring installations to be performed in a good and workmanlike manner.
 - a. Tile installations shall be uniform and square.
 - b. Joints shall be consistent, parallel, tight and flush
 - c. Tiles shall be scribed or cut to butt neatly and tightly to surrounding surfaces.
2. Installer to follow all manufacturer acclimation requirements for new flooring material.
3. Installers must be certified by flooring manufacturer, when applicable.
4. Flooring in adjoining rooms shall have the same dye lot whenever possible. Mergeable dye lots preferred.

G. FLOOR PREPERATION

1. Installer must verify that existing slab/subfloor meets manufacturer's guidelines prior to beginning installation of new flooring.
2. If abatement must precede flooring installation, contractor shall ensure that the slab is clean, dry, free of chemical residue and ready to receive adhesive.
 - a. Slab must be cleaned/scrubbed with soap and water mixture following chemical abatement.

- b. Installer shall allow a minimum of 5 days for slab to dry.

H. RESILIENT FLOORING, BASE, TRANSITIONS and STAIR NOSINGS

1. Resilient flooring should be commercial grade 12 x 12 vinyl-composition tile, 1/8" thickness with integral colors. Acceptable manufacturers include Armstrong, Azrock, Kentile, Tarkett, Mannington, or equal.
2. For additions and renovations, new or replacement flooring shall match existing flooring when possible.
3. Base shall be Johnsonite, Roppe, or approved equal. 1/8" thick x 4" vulcanized rubber cove base for all areas except kitchens, restrooms, and other areas where 6" is required by code.
4. Base shall be scored and bent around corners for installation. Premolded outside corners shall not be used. No seams within 24" of an outside corner.
5. Vented base shall be utilized in gyms
6. Non-slip VCT or rubber tile (as approved by Owner) shall be utilized at ramps and landings.
7. Rubber stair treads shall be provided for all interior stairways unless otherwise noted. Rubber stair treads shall have integral nosings and shall cover entire tread. Acceptable manufacturers include Roppe, Mercer, or Musson.
8. Transitions shall be included with all new flooring installations and installed at every location where new flooring meets existing.
9. Transition heights shall be limited to 1/2" and must comply with ADA requirements. Door modifications should be avoided when possible.
10. Rubber and aluminum transitions are allowable. Any required fasteners must match threshold color.

I. CARPETING

1. Carpet shall conform to the following:
 - Adhesive shall be per manufacturer recommendation and 100% releasable
 - 6' minimum width for broadloom carpet
 - .117 minimum gauge
 - Fiber System: DuPont Antron Legacy Nylon (100% Type 6)
 - Flame Spread: Class A passes DOC FF 1-70 or CPSC FF 1-70
 - Dye Method: 80% solution dyed/20% yarn dyed
 - Carpet type: textured loop
 - Backing: Vinyl cushion
 - Carpet edge strips shall be rubber.
 - Carpeting is not permitted on stairs.
 - Carpeting shall not be installed over asbestos tile floors
 - When installing carpet tiles, random, multi-directional installation is preferred
2. The following carpet products are allowable and the standard for District 11 facilities. Any exceptions must be approved.
 - Manufacturer: Tarkett
Style: Syllabus
 - Manufacturer: Tarkett
Style: Squareup

- Manufacturer: Tarkett
Style: Airspace

- Manufacturer: Tarkett
Style: 03366 Haphazard II

- Manufacturer: Tandus Centiva
Style: ISO 04536

- Manufacturer: Mannington
Style: Precision
Collection: Quadrant

- Manufacturer: Mannington
Style: Phenomena
Collection: Googie

- Manufacturer: Interface
Style: Cubic

J. SEAMLESS EPOXY FLOORING

1. Seamless epoxy flooring is preferred for District kitchen and food preparation facilities.
2. When specified, provide minimum 1/8" thickness Omnituff, Quartzite 6000 epoxy resin with quartz granules and acrylic flakes or approved equal.
3. Actual samples shall be provided to determine level of slip resistance.
4. Installation should be by a Contractor approved by the material manufacturer. Contractor shall furnish a list of ten local installations using this material for review prior to installation.
5. Installation shall include integral coved base.
6. Investigate manufacturer's requirements for vapor barriers below slabs on grade, and specify appropriate barrier in these areas.

K. PAINTING AND FINISHING

1. All visible surfaces in new construction, addition, or renovation projects must be properly caulked and painted with specified compatible paint products unless otherwise noted.
2. All surfaces exposed to outdoor elements (wind, rain, snow, sun, etc.) must be properly caulked and painted with specified compatible paint products unless otherwise noted.
3. Use only "best grade" products from approved manufacturers including:
 - a. Diamond Vogel
 - b. or approved equal
4. Base color for all wall surfaces in all District facilities shall be "White Kitty" ("White Kitty" is a standard color at Diamond Vogel).
5. Accent paint colors may be used for up to 25% of total wall surface area within a facility. Color selection, locations, and extent of accent wall painting must be approved by District Project Manager (COTR).

6. Painted door and frame colors are to be consistent throughout entire facilities.
7. All interior and exterior paint shall be latex enamel unless otherwise approved.
8. Paint for all wall surfaces shall be eggshell sheen unless otherwise approved.
9. Paint for all other surfaces shall be satin sheen unless otherwise approved.
10. Existing brick is not to be painted unless special circumstances require. Approval from the Facilities District Architect is required prior to painting.
11. All porous surfaces (concrete, brick, CMU's, or similar) shall be thoroughly filled with an approved compatible filler prior to paint application.
12. All new surfaces must be primed before painting with an appropriate primer for the surface.
13. All new surfaces shall receive one coat of primer and two topcoats.
14. Primer shall not be required for re-painted surfaces but all re-painted surfaces shall receive two coats of paint.
15. Stain grade wood doors and standing and running trim shall receive one coat of semi-transparent stain plus a minimum of two coats of satin polyurethane.
16. Painted metals inclusive of hollow metal doors, frames, and all metal fabrications shall be free of any oils or fabrication residue and must be primed prior to painting.
17. Hollow metal doors and frames shall receive one coat of primer and two coats of latex enamel paint.
18. Professionally applied powder coat paint finishes are acceptable and preferred for custom metal fabrications.
19. High-performance Tnemec coatings should be considered for exterior doors or other high-traffic areas when budget permits. High quality DTM (Direct to metal) paints may also be used.
20. All joints between dissimilar materials for new construction and renovation projects shall be caulked with appropriate caulking for the substrate and exposure condition.
21. Proper wall and surface prep must be performed prior to primer, paint, stain, or other finish applications. Extent of surface preparation may vary per application but shall generally include:
 - a. Deburring of drywall texture overspray
 - b. Removal of nails, clips, tacks, staples, wall anchors, etc.
 - c. Patching of holes or damage resulting from removal of nails, clips, tacks, staples, wall anchors, etc.
 - d. Sanding of raw metal or wood as required for proper adhesion of paint or stain product.
 - e. Application of compatible filler/sealers for all porous surfaces.
 - f. All other preparation as recommended by product manufacturers.

L. EXTRA MATERIAL

The following items should be provided to the Owner at completion of construction and should be labeled where used. Leave all items at building as directed.

1. Minimum ½ gallon of paint, stain, or urethane finish for each color and finish used with color reference name, number, sheen, etc. clearly marked on container.
2. One case of resilient floor tile for each color used plus any surplus full size pieces of base, nosings, etc.
3. One case of each type and size of acoustical tile.
4. Surplus full size pieces of ceramic, quarry, and miscellaneous tile.
5. Carpet: Furnish Owner with all usable scrap. Usable scrap is defined as any scrap piece over 16 sq. ft. in area and wider than 24”.

<<<<END OF DIVISION 9>>>>

