

**SECTION C3000****INTERIOR FINISHES****06/02****PART 1 - GENERAL****1.1 SYSTEM DESCRIPTION**

Provide aesthetic, cost effective, sustainable and durable finishes and materials.

**1.2 SYSTEM REQUIREMENTS**

- a. Soil resistant surfaces are required as scheduled or as otherwise specified herein. Special attention should be given to surfaces subject to soiling by selecting surfacing materials that can be thoroughly cleaned with standard products. Impact and soil and water resistant surfaces are required.
- b. Provide functionally appropriate, durable finishes and materials of colors and textures consistent with quality commercial facilities.
- c. Acoustical ceiling tile shall contain a minimum of 18% recycled materials.
- d. Provide finishes as identified on the finish schedule or as otherwise specified herein.

**1.3 CRITERIA**

- a. Uniform Building Code (1997)
- b. NFPA 101 Life Safety Code (1997)
- c. Comply with SWDIV "Interior Finishes Technical Guide", which may be viewed at the following website:

SWDIV Interior Finishes Technical Guide

- d. MIL-HDBK-1001/1 Basic Architectural Requirements and Design Considerations
- e. Millwork must meet requirements of ASTM D2583, ANSI/KCMA A 161.1 and NEMA LD 3.1

**1.4 COMPLIANCE VERIFICATION**

Compliance with the requirements will be determined during over-the-shoulder presentations by the Design-Build Contractor's Architect/Engineer of Record and by field inspection. See Document 00911, "Project Kickoff and Design Completion", for submittal requirements. See Section 01330, "Submittal Procedures", for submittal requirements.

## 1.5 DESIGN SUBMITTALS

### 1.5.1 Design Analyses and Drawings

- a. Submit finish schedule with manufacturer's product numbers at 45%, 100% and Final Design.
- b. Submit 16 inch X 20 inch color sample boards at 45%, 100% and Final Design. Include colors for all installed manufactured items, all millwork items listed in Section E2000 and all exposed items listed in Section C1000, "Interior Construction."
- c. Manufacturer's Literature and Catalog Data: Submit at 100% and Final design.

#### (1) Wall Finishes

- a. Paint
- b. Wallcovering
- c. Ceramic/Porcelain Tile
- d. Specialty Coating Systems
- e. Solid Surface Veneer
- f. Glazing
- g. Specialty wall systems

#### (2) Floor Finishes

- a. Paver Tile
- b. Porcelain / Ceramic Tile
- c. Rubber tile
- d. Broadloom Carpet
- e. Carpet Tile
- f. VCT
- g. Sports Floor Systems
- h. Vinyl
- i. Linoleum
- j. Stone
- k. Cork
- l. Wood

- m. Specialty Flooring Systems
- d. Drawings
  - a. Wall material pattern / graphics / borders or field design.
  - b. Floor material pattern / graphics / borders or field design.
- e. Larger samples in addition to sample color boards
  - a. Carpet minimum size: 12 by 18 inch
  - b. Sheet Vinyl / Linoleum ( minimum size: 6 inch X 6 inch ) and weld sample.
  - c. Multi-Colored Wall Coating ( minimum size: 2 inch X 4 inch )
  - d. Operation and Maintenance Manuals

### 1.5.2 Specifications

Submit design specifications, in accordance with Document 00911, "Design Requirements", to specify the quality, characteristics, performance factors, efficiency, installation procedures, testing, and certification requirements for all items of the interior finish system.

### 1.6 CONSTRUCTION SUBMITTALS

Changes shall not be made to the finishes that are submitted and approved by the government during the design phase. In the event that revisions may be required because of unforeseen conditions such as discontinued product, the revisions must be submitted to the Southwest Division Project Interior Designer for approval before substitutions can be made.

## PART 2 - PRODUCTS

### 2.1 INTERIOR WALL FINISHES ( C3010 )

All wall finishes shall be comprised of a field and minimum of ( 1 ) one accent.

- a. For gypsum board wall surfaces, coating shall be two coats of [ latex eggshell finish paint ] [ latex satin finish enamel ], over a primer of Latex Enamel Underbody.
- b. For block walls, coating shall be two coats of [ latex eggshell finish paint ] [ latex satin finish enamel ], over a primer of Vinyl Acrylic Latex Block filler.
- c. For block walls in shop and industrial areas, coating shall be two coats Epoxy Ester Gloss Enamel, Benjamin Moore M25, or equal. Primer shall be Vinyl Acrylic Latex Block Filler, Benjamin Moore Industrial Maintenance Coating M88, or equal.

d. Multi-colored coating system, Zolotone or equal. Two step polychromatic terpolymer coating consisting of a combination of separate pigmented color particles suspended in a chemically treated aqueous solution. The manufacturer shall approve installers in writing. The manufacturer's technical representative shall review and approve a typical wall on site before work commences on a second wall.

e. Door and wall protection systems

f. Architectural Coating System: Provide a textured acrylic coating system, having a thickness of at least 20 mils, on surfaces scheduled to receive it. System shall have a Barcoll Hardness Index of 35.0 or greater, a flame spread of 8.5 or less as determined by ASTM E84, smoke contribution of 7.0 or less, and have water vapor permeability of 27.5 English Perms or greater when tested in accordance with ASTM E96. Obtain personnel trained in the coating system's application procedures by representatives of the coating system manufacturer to apply coating system. All coating system components shall be products of the same manufacturer. An acceptable coating system is "Duroplex", manufactured by Triarch of Houston, Texas.

g. Wall Fabric shall be flat woven material of Polyester or Polyolefin, or a combination of the two fibers with an acrylic backing. The face shall be Teflon ( or equal ) treated for soil resistance. The material must be a minimum of 54" wide and shall be Class A rated. The material must be tackable in the sense that it is not affected by tack penetration into the gypsum board wall on which the fabric is applied. The wall preparation, trimming, adhesive and application shall be according to the manufacturer's printed directions. The manufacturer in writing shall approve the installers. The material must be easily cleaned by traditional methods such as washing, wiping, vacuuming etc. The material must be Maharam Tek-Wall or equal.

h. Wall Vinyl shall be [ Type I ] [ Type II ]. The material must be a minimum of 54" wide and shall be Class A rated. The wall preparation, trimming, adhesive and application shall be according to the manufacturer's printed directions. The manufacturer in writing shall approve the installers. The material must be easily cleaned by traditional methods such as washing, wiping, vacuuming etc.

i. Mirror wall ( one uninterrupted long wall ), in fitness area, 712mm ( 28" ) off floor to a minimum height of 2438 [ 8ft. ] A.F.F., corner to corner, attached by a [ wood ] [ metal channel ] molding at bottom and top and mastic as necessary. [ Apply carpet on wall below mirror in lieu of wall base. ]

j. Acoustical panels conforming to ASTM E 1264, 600mm by 600mm by 16mm minimum thickness, standard suspension system reveal edge and fissured pattern, mineral fiber lay-in units with NRC of 0.050-0.060, STC of 30=-35 and a light reflectance of 75 percent minimum.

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Conceptual Wall Finish Schedule

SPACE

Reference 2.1 Paragraph

- [Offices]
- [Training Room]
- [Reception]
- [Kitchen]
- [Laundry]
- [Staff Toilet]
- [Mechanical]
- [Office Area Storage]
- [Infants]
- [Pre-Toddlers]
- [Toddlers]
- [Pre-School]
- [Children's Toilets]
- [Corridors]

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**2.2 INTERIOR FLOOR FINISHES**

All floor finishes shall be comprised of a field and minimum of ( 1 ) one accent.

**2.2.1 CARPET**

Suggest the contractor select carpet available under GSA Schedule. The contractor shall be authorized to procure carpet under GSA schedule using predominately negotiated price schedules. The amount of this contract will be actual cost of these items from the GSA price schedules plus 10% for all costs associated with this work including any freight charges for shipment to the project site. No other charges, expenses, fees, mark-ups, etc. will be authorized.

a. Carpet Tile: Carpet floor shall be minimum 460mm 18 inch modular tile with face material of 100% Type 6 or 6,6 nylon of Dupont Legacy, Lumina nylon, Monsanto VIP nylon, EcoSolution Q or 100% BASF Zeftron 2000 nylon. A minimum of [10]% total quantity for each color and pattern shall be provided and stored within the building for future replacement patching. Provide quick release glue down application. The manufacturer in writing shall approve Installer(s). [ The manufacturer's technical representative shall review and approve each typical sample application or each room installation on-site prior to resuming the installation and render on-site approval of the completed installation. ] Carpet manufacturer shall be established and in good standing with industry.

b. Broadloom Carpet: Carpet floor shall be 1830mm 6 feet/ 12 foot broadloom with face material of 100% Type 6 or 6,6 nylon of Dupont Legacy, Lumina nylon, Monsanto VIP nylon, EcoSolution Q or 100% BASF Zeftron 2000 nylon. [ Carpet must be treated with an anti-microbial agent. ] [ Provide static control. ] A minimum of [ 10 ]% total quantity for each color and pattern shall be provided and stored within the building for future replacement patching. Provide [ direct glue down ][ attached cushion ] application. Installer(s) shall be approved by the manufacturer in writing. [ The manufacturer's technical representative shall review and approve each typical sample application or each room installation on-site prior to resuming the installation and render on-site approval of the completed



d. Heavy rubber tile shall be 100% virgin synthetic rubber 9mm [\_\_\_\_\_] inch thick and approved by the manufacturer for use in weight rooms. Endura SRT Series or equal is acceptable.

e. Gymnasium wood floor shall be [ Connor-Aga Rezlill Flex ] standard grade maple clear finished with two coats sealer and two coats finish product as recommended by manufacturer and applied per manufacturer's directions. Other manufacturers products of equal quality will be considered. [ Standard court floor graphics shall be applied. ][ Provide custom logo/graphics ].

f. [ Rubber ][ Vinyl ] Wall base ( or continual cove of sheet vinyl in those areas of that sheet material ). Base shall be 4 inches high, 0.125 inch thick, flexible to conform with irregularities, and in appropriate color. Provide 1.125-inch thick premolded corners in matching size, shape and color for all right angle inside and outside corners with a 0.125 inch thick base. Provide in all areas except those areas with tile or integral cove.

g. [ Glazed ] [ Unglazed ] Porcelain/Ceramic Floor tiles shall be [ 25mm by 25mm ][ 50mm by 25mm ][ 50mm by 50mm ][ 1 by 1 ] [ 2 by 1 ] [ 2 by 2 ] [ 4 by 4 ] [ 6 by 6 ] [ 8 by 8 ] [ 12 by 12 ] inch [ square ] tiles [ with 6.3mm 1/4 inch grout width ]. Grout shall be latex-portland cement mortar; chemical resistant, water-cleanable, tile-setting and grouting epoxy in a color value to coordinate with tile.

h. Quarry floor tile shall be [ 75mm by 75mm ] [ 100mm by 100mm ] [ 150mm by 150mm ] [ 200mm by 100mm ] [ 200mm by 200mm ] [ 3-by-3 ] [ 4-by-4 ] [ 6-by-6 ] [ 8-by-4 ] [ 8-by-8 ] inch [ square ] tiles [ with 6.3mm 1/4 inch grout width ].

i. [ Glazed ] [ Unglazed ] Porcelain / ceramic wall tile shall be 50mm by 50mm [ 2 by 2 ] [ 4 by 4 ] [ 6 by 6 ] [ 8 by 8 ] [ 12 by 12 ] inch [ square ] tiles [ with 6.3mm ¼ inch grout width ]. Grout shall be latex-portland cement mortar; chemical resistant, water-cleanable, tile-setting and grouting epoxy in a color and value to coordinate with the tile. Provide matching trim units and accessories with tile work. Coordinate with bath accessories for modularity. Provide bullnose units for wainscots, except where wainscot is flush with abutting wall surface. Provide up-and-down corners with bullnose units where there is a break in wainscot height, or where the wainscot does not terminate against projecting construction. Provide coved base units for wainscots, and comparable sized coved base units for tile floors where wainscots are not provided. Internal corners shall be squared and external corners rounded using appropriate matching trim units. Mounted tile for use in wet areas such as showers shall be either face-mounted or dot-mounted and shall be recommended by the manufacturer for use in wet areas. Do not use paper back-mounted or net back-mounted tile in wet locations.

j. Provide slip-resistant [ \_\_\_\_\_ ] tile in [ \_\_\_\_\_ ]. Slip resistant tile shall have a minimum Coefficient of Friction ( wet and dry ) of 0.6 when tested in accordance with ASTM C1028.

k. Linoleum shall be made with natural raw materials including linseed oil, flour, and rosin and/or resin binders with jute backing. Pattern and color shall extend throughout thickness of material. Gage shall be 2.5mm. A minimum of 2% total quantity for each color and pattern shall be provided and stored within each building for future replacement patching.

Installer(s) shall be approved by the manufacturer in writing. The manufacturer's technical representative shall review and approve each typical sample application on-site prior to resuming the installation and shall spot check each 1000 square meters for quality control. [ Work shall not commence on any portion of work until the manufacturer's technical representative renders approval on site. ] A manufacturer's five-year warranty is required.

1. Vinyl-composition tile: Composition 1, class 2 ( through pattern ), smooth surface, 12 by 12 by 1/8 inch thick. Commercial grade vinyl composition tile with a nominal overall gauge of 3mm and a wear layer thickness of 3mm nominal. The product shall be installed with recommended adhesive in accordance with the manufacturer's written instructions.

### 2.3 INTERIOR FLOOR CONCEPTUAL FINISH SCHEDULE

<u>SPACE</u>	<u>Reference 2.2 Paragraphs</u>
[ Offices ]	[ ___ ]
[ Training Room ]	[ ___ ]
[ Reception ]	[ ___ ]
[ Kitchen ]	[ ___ ]
[ Laundry ]	[ ___ ]
[ Staff Toilet ]	[ ___ ]
[ Mechanical ]	[ ___ ]
[ Office Area Storage ]	[ ___ ]
[ Infants ]	[ ___ ]
[ Pre-Toddlers ]	[ ___ ]
[ Toddlers ]	[ ___ ]
[ Pre-School ]	[ ___ ]
[ Children's Toilets ]	[ ___ ]
[ Corridors ]	[ ___ ]
[ Storage Rooms ]	[ ___ ]

### 2.4 INTERIOR CEILING FINISHES ( C3030 )

a. Grills, registers, diffusers, access panels and panel boxes shall be painted with semigloss in a color to match the adjacent surfaces. Stenciling on panel faces in occupied areas is prohibited.

b. Painted GWB with primed and painted access panels where necessary.

c. Acoustical panels conforming to ASTM E 1264, 600mm by 600mm by 16mm [ \_\_\_\_\_ ] inch minimum thickness, standard suspension system reveal edge, [fissured pattern]. Mineral fiber lay-in units with NRC of 0.050-0.060, STC of 30-35 and a light reflectance of 75 percent minimum.

d. Exposed structure painted.

[ e. Laminated high density wood composite panels in [ Racket ball ] and in [ Hand ball ] Courts. ]

### 2.5 INTERIOR TRIM

Primer and two coats of semigloss latex paint.

## PART 3

DBMASTER

DBMASTER

Not Used.

**--END OF SECTION--**