**6. ENGINEERING SYSTEMS REQUIREMENTS**

**C30 INTERIOR FINISHES**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
SYSTEMS REQUIREMENTS  
INTERIOR FINISHES TEMPLATE 09/22  
  
Instructions for using this template: There are template files for each UNIFORMAT Level 2 Group Elements. This template is for Group Element C30-INTERIOR FINISHES. Text such as this is hidden text that will not print when the hidden text box in "Print/Options" is unchecked.  
  
The Interior Design Team Member must edit this template for the requirements of the project. The SYSTEMS REQUIREMENTS are intended to define items that are required throughout the facility or on a system wide basis that are common to several rooms. Room-specific requirements are defined in the Part 3 Chapter 5 ROOM REQUIREMENTS section. Coordinate with the lead programmer for ROOM REQUIREMENTS. Editing is required where brackets [ ] appear. Delete all building elements that are not required for the project. If additional elements or sub-elements are required for the project that do not appear in the template, refer to the NIST UNIFORMAT II publication for additional building element numbers and descriptions. The Uniformat II Work Breakdown Structure can be found at** [**www.wbdg.org/ndbm/**](http://www.wbdg.org/ndbm/) **. Coordinate with the PERFORMANCE TECHNICAL SPECIFICATION SECTION C30 to ensure that performance requirements are provided for all of the Building Elements listed here and that paragraph numbering matches.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Consider each interior finish component relative to Part 2 UFGS Section 01 33 29, *Sustainability Requirements and Reporting*, and UFC 1-200-02, *High Performance and Sustainable Building Requirements*.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**SYSTEM DESCRIPTION**  
**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Edit the following paragraph based on the project specific information received from the User. Fill in the blank with the function of the building, such as residence, barracks, administrative office building, training facility, operations building, fire station, etc.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Interior finishes include wall finishes, floor finishes, wall base finishes, and ceiling finishes.

Provide aesthetically pleasing, functional, durable finishes appropriate to the buildings function. Consider acoustic properties of materials, as well as durability and ease of maintenance during material selection. Maximize the use of sustainable materials.

Color selections require the use of wall and floor finish material accents to enhance the color and appearance of the interior design. Provide a wall and floor color design that includes a minimum of two different accents colors throughout the facility. Submit pattern drawings of the accents design with the interior design submittal.

**GENERAL SYSTEMS REQUIREMENTS**  
**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Indicating the Interior Finishes in the RFP Chapter 5, "Room Requirements" is the best way to consolidate all room specific requirements in one location. If "Room Requirements" are used, delete the concept floor and wall finish schedules below. If the facility is simple or small and using "Room Requirements" is too complex for the project, provide detailed descriptions for all finishes and minimum design requirements in this ESR section C30 below.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

See [Part 3 Chapter 5 "Room Requirements"] [Conceptual wall and floor finishes tables indicated below] for specific requirements on "Interior Finishes."

**C3010 WALL FINISHES**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Consider one of the following sentences, or create your own, to describe the wall finishes of the facility. The first sentence is applicable to a barracks, or industrial facility, where extreme durability is required. The second sentence applies to an administrative office building. The "Room Requirements" reference sentence applies to a facility where the "Room Requirements" or a "Room Finish Schedule" is very detailed as to the wall finish requirements.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

[All interior wall finish materials must be concrete masonry.] [At public and occupied spaces, all interior wall finish materials must be concrete masonry with acrylic plaster coating.]

[All interior wall finish materials must be gypsum board. [Provide vinyl [acoustic] [tackable] wallcovering in all conference rooms and entrance lobby], [and] [provide ceramic tile wainscot in all toilet rooms to a height of \_\_\_ feet.]

[Mirror wall (one uninterrupted long wall), in fitness area, must be 28 inches (712 mm) off floor to a minimum height of 8 feet (2438 mm) A.F.F.]

[Solid surfacing or ceramic wall finishes must extend from top of shower pan to [[84"][ceiling]] and must surround the shower enclosure. Wall finish must extend from top of tub to [[72"][ceiling]] and must surround tub shower. Extend wall finish from top of kitchen countertop to underside of wall cabinet.]

[Provide architectural feature wall consisting of [mineral composite][wall covering][wood veneer][glass][acrylic][other] in key public locations [lobby][conference room][other].]

[Acoustical [fabric] wrapped panels adhered to walls in [auditorium][training room][other].]

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Indicating the Interior Finishes in the RFP Part 5, "Room Requirements" is the best way to consolidate all room specific requirements in one location. If "Room Requirements" are used, delete the concept floor and wall finish schedules below. If the facility is simple or small and using "Room Requirements" is too complex for the project, provide detailed descriptions for all finishes and minimum design requirements in this ESR section C30 below. If the Conceptual wall and floor schedules are used, delete the bracketed option for "Room Requirements" below.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

[All interior wall finishes are indicated in the “Room Requirements” portion of this RFP]

[Conceptual Wall Finish Schedule

|  |  |
| --- | --- |
| **SPACE** | **MINIMUM FINISH REQUIREMENT** |
| Private Office | [paint][wallcovering][wood] |
| Open Office | [paint][wallcovering][wood] |
| Conference Room | [paint][wallcovering][wood][decorative panel accent] |
| Reception | [paint][wallcovering][wood][decorative panel accent] |
| Kitchen/ Break Room | [paint][wallcovering] |
| Restrooms | [paint][ceramic tile] |
| Lobby/ Entrance | [paint][wallcovering][wood][decorative panel accent] |
| Executive Office | [paint][wallcovering][wood][decorative panel accent] |
| Corridors | [paint][wallcovering] |

]

**C3020 FLOOR FINISHES**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Edit the following material types to describe the type and quality of the products on the project.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Provide floor finish materials to meet the following requirements;

a. Carpet Requirements

|  |  |
| --- | --- |
| **CARPET CHARACTERISTIC** | **MINIMUM CARPET REQUIREMENTS** |
| Surface Color | Multi-colored and Patterned |
| Surface Texture | [Loop][Cut/Loop][ Tip-shear][Textured Loop] |
| Yarn Weight | 24 oz. minimum for Type 6 Nylon; 18 oz. minimum for Type 6.6 Nylon |
| Density | 7000 oz./cubic yard minimum for Type 6 Nylon; 6000 oz./cubic yard minimum for Type 6.6 Nylon |
| Dye Method | [Solution Dyed][Yarn Dyed][Piece Dyed] |
| Backing | [Industry Standard][Attached Cushion][Moisture Resistant][Anti-Microbial] |
| Fiber | Branded nylon |

b. Concrete Floor Requirements

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Use the reflective, chemical, and slip resistant floor coating bracketed option below for aircraft maintenance facilities and vehicle maintenance facilities where the activity requires a light color floor finish to reflect light for maintenance. Coordinate RFP Part 4 floor coating requirements with Users needs.   
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Finish concrete surface smooth enough to meet the minimum requirements of this RFP or the floor finish manufacturer's smoothness requirements, whichever is the most restrictive. Provide 3 coats of the manufacturer's approved sealer for exposed concrete floors that are not required to have an applied floor finish. [Colored concrete floor must be [colored pigment integral to the concrete mix] [applied as a topical dye] [or] [a concrete topping with integral color pigment.] [Provide a reflective, chemical, and slip resistant floor coating in the [hangar bay] [maintenance bay] [\_\_\_]. The reflective coating must be achieved by the [thin film coating] [or] [a dry shake pigment application] specified in RFP Part 4.]

c. Raised Floor Requirements

Provide Raised Access Flooring where required by Part 3 Section 5, Room Requirements. Provide interchangeable 24"x24" square module panels capable of supporting design loads. Provide [carpet tile- off module][carpet tile- on module][carpet tile- factory attached][static dissipative flooring][concrete]. finish. Provide raised access flooring that will accommodate [data][electrical][mechanical] systems.

d. Resilient Floor Finishes

Provide resilient floor finishes as identified in the Project Program, Room Requirements or as directed below. Include manufacturer's full line of color, texture and pattern selections, including multi-colored materials.

1) Resilient Sheet Flooring

[Provide resilient linoleum sheet flooring in [areas as indicated] [corridors, child care areas, breakrooms, classrooms, storage areas] for floors with high durability, low to moderate maintenance, antistatic and antimicrobial requirements. This product is made from readily renewable, natural raw materials including linseed oil, flour and resin binders double calendared onto natural jute backing. Pattern and color must extend throughout thickness of material. Seal linoleum using manufacturer's recommended sealer for commercial application. A manufacturer's 5-year warranty is required.]

[Provide resilient rubber sheet flooring in [areas as indicated] [corridors and other high traffic areas] for floors with high durability, low maintenance and high slip-resistance requirements. The rubber sheet flooring must be commercial quality, dimensionally stable, firm, and where and slip resistant, with integral color. Rubber sheet flooring must require no-wax maintenance.]

[Provide homogeneous vinyl sheet flooring in [areas as indicated] [lab areas, break rooms, kitchens, and other similar areas] requiring flooring with high durability, low maintenance and high stain-resistance. Provide commercial quality sheet flooring with minimum wear layer thickness of 0.066 inch (1.6 mm). It must be non-layered, non-backed and included a protective urethane finish for ease of maintenance. Seams must be recess scribed and heat welded. All sheet flooring must require no-wax maintenance.]

2) Resilient Tile Flooring

[Provide resilient vinyl composition tile (VCT) flooring in [areas as indicated] [corridors, offices, classrooms, breakrooms and other similar areas] requiring flooring with moderate durability high maintenance and low cost VCT must be commercial grade, with pattern through thickness of tile VCT with biobased materials or recycled content must be used where practical.]

[Provide resilient solid vinyl tile, in [areas as indicated] [corridors and other high traffic areas] for floors with high durability, low maintenance, high slip-resistance requirements. Solid vinyl tile must be planks or square tiles with protective urethane finish for ease of maintenance a manufacturer's 10 year warranty is required.]

[Provide resilient rubber tile in [areas as indicated] [corridors, elevators, ramps, and high traffic areas] for floors with high durability, low maintenance, high slip-resistance requirements. Rubber tile must be 100% synthetic rubber with through color and slip resistant formulation and surface texture. Include all manufacturer's standard surface textures and patterns. The product must require no-wax maintenance.]

[Provide resilient athletic rubber tile in [areas as indicated] [weight rooms, fitness equipment rooms] for floors with high resilience. Athletic rubber tile must be 100% synthetic heavy rubber or recycled crumb rubber tile, 3/8 inch thick minimum. The product must require no-wax maintenance. A manufacturer's 2-year warranty is required.]

[Provide resilient static dissipative VCT (SDT) flooring in [areas as indicated] [computer areas or areas with sensitive electronics] for floors with high durability, low maintenance, high slip-resistance requirements to control static in the room. SDT must be of commercial grade with through pattern and an antistatic additive, and must be installed according to manufacturer's instructions.]

[Provide resilient linoleum tile flooring in [areas as indicated] [corridors, child care areas, breakrooms, classrooms, storage areas] for floors with high durability, low to moderate maintenance, anti-static and antimicrobial requirements. This product is made from readily renewable, natural raw materials including linseed oil, flour and resin binders double calendared onto natural jute backing. Pattern and color must extend throughout thickness of material. Seal linoleum using manufacturer's recommended sealer for commercial application. A manufacturer's 5-year warranty is required.]

e. Tile Floor Finishes

Provide epoxy grout for all tile finishes

[[Glazed][Unglazed] Ceramic Tile ]

[Porcelain Tile]

[Quarry Tile]

f. Base

Wall base must be [top set] or [cove] [rubber] or [vinyl], [flat] or [decorative] throughout.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Indicating the Interior Finishes in the RFP Part 3, 5.0 "Room Requirements" is the best way to consolidate all room specific requirements in one location. If "Room Requirements" are used, delete the concept floor and wall finish schedules below. If the facility is simple or small and using "Room Requirements" is too complex for the project, provide detailed descriptions for all finishes and minimum design requirements in this ESR section C30 below. If the Conceptual wall and floor schedules are used, delete the bracketed option for "Room Requirements" below.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

[All interior wall finishes are indicated in the "Room Requirements" portion of this RFP]

[Conceptual Floor Finish Schedule

|  |  |
| --- | --- |
| **SPACE** | **MINIMUM FINISH REQUIREMENT** |
| Private Office | [carpet tile] [carpet broadloom] |
| Open Office | carpet tile |
| Conference Room | [[carpet tile] [carpet broadloom] |
| Reception | [porcelain tile] [solid vinyl] [linoleum] [cast-in-place concrete][epoxy][carpet tile] |
| Kitchen/ Break Room | [solid vinyl] [linoleum] [rubber tile] [sheet vinyl] [cast-in-place concrete] [epoxy] [VCT] [rubber] |
| Restrooms | [porcelain tile] [solid vinyl] [linoleum] [colored concrete] [epoxy] |
| Lobby/ Entrance | [porcelain tile] [solid vinyl] [linoleum] [terrazzo] [cast-in-place concrete] [epoxy] [carpet tile] [terrazzo] |
| Executive Office and Adjoining Suite | [carpet tile] [carpet broadloom] |
| Corridors | [solid vinyl] [linoleum] [VCT] [rubber tile][cast-in-place concrete] [epoxy] [carpet tile] |
| Training Room | carpet tile |

]

**C3040 INTERIOR COATINGS AND SPECIAL FINISHES**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Consider one of the following sentences, or create your own, to describe the interior coatings for the facility,   
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Paint all interior exposed surfaces including metal items, such as interior grilles, registers, diffusers, access panels, and panel boxes.

All finish coatings shall be as indicated in the "Room Requirements" portion of this RFP.

--End of Section--