

# Little Rock Air Force Base

## Architectural Design Guide Supplement

27 March 2026

*This document does not take the place of the Little Rock Air Force Base Architectural Design Guide but is intended as a supplement to provide additional insight to the Architectural Requirements and standards at Little Rock Air Force Base. Any questions concerning this document may be addressed to the Little Rock Air Force Base Architect.*

### DIVISION 00 – GENERAL REQUIREMENTS

#### General:

- All drawings shall include a graphic scale.
- All plans shall include a “North” arrow for orientation.
- All plans exported from BIM software shall be monochrome with line weights and hatch patterns meeting Architectural Graphic Standards. Existing conditions shall be “halftone”, demolition shall be dashed or similar, and new work or renovations shall carry the heaviest line weight. Hatch patterns, on new work or renovation, shall be “halftone” or 50% transparency to maintain legibility of drawings. A graphics legend shall be provided for each hatch pattern used.
- On new construction, all dimensions shall be to face-of-structure, not face-of-finish. On renovations, all dimensions shall start at face of existing wall to remain and continue with face-of-structure. Annotate “clear” finish dimensions, as necessary.
- Provide centerline dimensions for all plumbing fixtures from face-of-structure, not face-of-finish. Provide a separate dimension to identify ABA requirements with a “clear” dimension.
- Design shall prioritize construction units and minimize waste of materials.

### DIVISION 02 – DEMOLITION

#### General:

- All building components shall be removed. “ABANDON-IN-PLACE” is not acceptable.

### DIVISION 4 – MASONRY

- Masonry infill of like -materials is required in all existing masonry walls. Provide additional selective demolition so that the existing bond is maintained and cut bricks are not abandoned-

in-place. Installation of full-face bricks is required so that the infill construction blends in with the existing wall. The face brick and mortar color shall match existing conditions.

- Uniform 3/8" mortar thickness is required across all masonry work. The use of color additives in mortar is unacceptable. All mortar shall be premixed with pigments to control color consistency throughout construction phasing and across all masonry work.
- In masonry construction.
  - In all occupied public areas, all exterior corners are to be bull nosed block.
  - All door and window openings to be bull nosed block.
- Do not permit mortar to drop or accumulate into cavity air space or to plug weep/cavity vents.
- Masonry construction shall be covered during curing process to protect mortar composition from weather and dew. Masonry construction shall prevent the accumulation of water in wall cavity during construction, which later causes efflorescence.

## **DIVISION 05 – METALS**

- All interior soffit framing shall be a minimum 20GA.
- Openings in a non-load bearing wall shall be framed with minimum 20GA studs with minimum 14GA header. Openings 4'-0" or larger shall be framed with minimum 16GA studs.
- Openings in load bearing walls shall be engineered with structural design and meet minimum gauge of load bearing framing. Provide minimum 14GA head/jamb/sill for single story construction. Provide minimum 12GA head/jamb/sill for 12'-0" or taller construction.
- Provide prefinished metal louvers (same color as siding and/or roof) for ventilation systems sized and constructed to meet exhaust needs. Louvers shall have bird screen and insect netting.
- Exterior soffits require secondary light gauge metal framing to ensure secure attachment of soffit panels. Exterior soffits shall be specified to withstand high winds on all facilities at LRAFB.

## **DIVISION 06 – WOOD, PLASTICS, COMPOSITES**

### **General:**

- LRAFB is limited to termiticide products that contain fipronil such as Termidor SC or Taurus SC. These are commonly available products and protect well over 10 years.

### **Architectural Millwork:**

- The following national standards must be followed for all millwork:
  - AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
  - C. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 4.0; 2021.

- All millwork shall be “Premium Grade”, as defined by the standards above.
- Millwork core shall be 7-ply hardwood; a minimum ¾” thick for all sides, including back panel and shelves. Millwork core in “wet” locations shall be ¾” marine-grade moisture-resistant plywood boards, intended to prevent swelling, mold and mildew. The glue shall be compatible with treated or untreated plywood.
- Millwork veneer shall be Grade A, birch, stain-grade, unless otherwise noted. Heavy-duty plastic laminate will only be considered in areas that require consistent washing of surfaces, like Child Development Center or Medical Group facilities. Plastic laminate acceptability will be identified in the Statement of Work. Painting of any wood is always unacceptable.
- Finishing of millwork shall be semi-transparent stain; MPI #90. Polyurethane Varnish, Oil Modified; MPI #56, 57.
  - 1st Coat: Minwax Performance Series Tintable Interior Stain 7150/7151; approved equal
  - 2nd Coat: Minwax Performance Series Fast-Dry Sanding Sealer 81580; approved equal
  - 3rd Coat: Minwax Performance Series Fast-Dry Varnish 9150-9151; approved equal
- All cut edges shall be finished; unfinished exposed cuts are unacceptable. Finish with birch veneer edge banding and stained to match. Tape edging products are unacceptable. All surfaces and edges shall be free of splinters and smooth to touch for occupational safety.
- All surfaces shall be cleanable without snagging of rags or clothes.
- Hardware shall comply with ADA Accessibility Guidelines, 28 CFR Part 36 Appendix A.
  - BHMA A156.9, types as indicated for quality grade specified.
  - Adjustable Shelf Standards Supports: Standard side-mounted system using recessed metal shelf standards and coordinated self-rests, satin chrome finish, for nominal 1 inch spacing adjustments. 100lbs capacity.
  - Fixed Workstation and Countertop Brackets shall be steel, factory-applied powder coat, color selected by Base Architect from manufacturer’s standard range.
  - Drawer and Door Pulls: "U" shaped wire pull, steel with satin finish, 4-inch centers, back mounted.
  - Cabinet Locks: Keyed cylinder, two keys per lock, master keyed, finish to match pulls, per ANSI/BHMA A156.11, E07121 and E07041.
  - Cabinet Catches: Magnetic catch.
  - Adjustable Glides: Non-swivel, heavy-duty, adjustable glides.
  - Drawer Slides: Full extension. Heavy Duty grade. Side mounted. Integral stops. Provide self-closing/stay closed type Manufacturers: Accuride International, Inc; Heavy-Duty Drawer Slides: [www accuride.com](http://www accuride.com), or approved equal.
  - Hinges: European style concealed self-closing type, steel with polished finish. Manufacturers: Blum, Inc; COMPACT BLUMOTION: [www blum.com](http://www blum.com) or approved equal.
- Solid Surface Countertops: Solid surfacing sheet or plastic resin casting shall be installed over continuous hardwood substrate. Flat Sheet Thickness: 1/2 inch, minimum. Complying with ISFA 2-01 and NEMA LD 3; acrylic or polyester resin, mineral filler, and pigments; homogenous, non-porous and capable of being worked and repaired using standard woodworking tools; no surface coating; color and pattern consistent throughout thickness.

- Manufacturers: Avonite Surfaces: [www.avonitesurfaces.com](http://www.avonitesurfaces.com), Dupont: [www.corian.com](http://www.corian.com), Formica Corporation: [www.formica.com](http://www.formica.com), Wilsonart: [www.wilsonart.com](http://www.wilsonart.com).
- Surface Burning Characteristics: Flame spread index of 25, maximum; smoke developed index of 450, maximum; when tested in accordance with ASTM E84. Color and Pattern: natural colors with geometric, speckled, or stone patterns.
- Exposed Edge Treatment: Built up to minimum 2 inch thick; bullnose edge profile.
- Back and End Splashes: Same sheet material, integral coved, square top; minimum 4 inches high.
- Fabricate in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 11 - Countertops, Premium Grade.
- Plywood for Supporting Substrate: PS 1 Exterior Grade, A-C veneer grade, minimum 7-ply; minimum 3/4 inch thick; join lengths using metal splines. Plywood substrate shall be provide between plumbing fixtures openings.
- Lavatories shall be integral unless noted otherwise in Statement of Work.
- Provide and install a minimum 20 gauge metal stud and 5/8" gypsum board soffit above wall cabinets. Soffit shall extend above the drop ceiling.
- MDF, OSB, particle board and other similar products are not acceptable for use in millwork.

## **DIVISION 07 – THERMAL AND MOISTURE PROTECTION**

### **Watertightness:**

- All exterior openings shall have a full-bead of 100% silicone sealant compatible for exterior use around perimeter edge of frame at the exterior and interior. Elastomeric sealant shall be non-sagging and tinted by manufacturer to closely match the adjacent material. No tinting with additives on-site will be acceptable.
- Elastomeric sealant is required at all corners, ceiling to wall joints, wall to floor joints, and material transitions from gypsum board, tile, shower pan, and solid surface. Provide a detailed specification of sealant requirements in Project Manual. Grout is not a substitute for sealant in tile work.
- Metal pre-finished flashing is required at all material transitions in exterior wall construction, per SMACNA standard details, and shall include a full bead of elastomeric sealant. Limit material changes and use like-materials in renovation to reduce complicated flashing conditions and future water intrusion.
- Elastomeric sealant does not replace the need for metal flashing.
- Elastomeric sealant is required behind escutcheons or covers in tiled showers or bathroom walls to prevent water intrusion in wall cavity.

### **Envelope Design:**

- Continuous envelope design is required. The envelope shall be addressed as a collection of materials assembled to provide an overall R-value in exterior walls and roof assemblies. ASHRAE

90.1 shall be used to determine cavity versus continuous application requirements to meet minimum energy code regulations based on the structure, location, and Climate Zone.

- The minimum above-roof R-value shall be a continuous R-30 application while the minimum bottom-of-truss R-value shall be a cavity R-38 application. Spray-applied insulation installed at underside of deck shall meet be calculated as cavity and continuous application and provide an overall R-value of R-38.
- The exterior wall assembly shall provide a R-value of R-19 for metal framing. The exterior wall assembly on filled masonry block shall provide a continuous R-value of R-15.
- Spray foam insulation shall be closed cell. The requirement for 15 Minute thermal barrier must meet IBC Chapter 26 Foam Plastic Insulation.
- Cellulose/newspaper type insulation and loose fill type insulation is not acceptable, including but not limited to, cellulose and fiberglass.
- Installing batt insulation on suspended ceiling tile and grid is not acceptable.
- Insulation is not a finish material – Insulation is not to be left exposed in occupied spaces.

#### **Roofing Requirements:**

- Manufacturer's technical representative must visit the site during the installation process to assure panels, flashings, and other components are being installed in a satisfactory manner to uphold 20yr Weathertightness Warranty.
- All roofs shall have a minimum 2'-0" overhang. Larger structures shall have a minimum 4'-0" overhang
- Ice and Water Shield shall be a high-temperature underlayment, no exceptions. Underlayment shall be 55 mil, mineral surfaced, fiberglass reinforced, flexible SBS modified asphalt "Peel& Stick, Moisture Guard Plus" or equivalent over the entire roof system to include all valleys, and hips for all shingle or standing seam metal roof systems.
- Sheet metal flashings, gutters, downspouts, trim, moldings, closure strips, pre-formed crickets, caps, equipment curbs, and other similar sheet metal accessories used in conjunction with preformed metal panels must be of the same material as used for the panels. Provide metal accessories with a factory color finish to match the roofing panels. Metal must be of a thickness not less than that used for the panels. Thermal spacer blocks and other thermal barriers at concealed clip fasteners must be as recommended by the manufacturer; wood spacer blocks are not allowed.
- Apply roofing panels with the standing seams parallel to the slope of the roof. Provide roofing panels in longest practical lengths from ridge to eaves (top to eaves on shed roofs), with no transverse joints except at the junction of ventilators, curbs, skylights, chimneys, and similar openings. Install flashing to assure positive water drainage away from roof penetrations. Locate panel end laps such that fasteners do not engage supports or otherwise restrain the longitudinal thermal movement of panels.
- Provide flashing, related closures and accessories to provide a weathertight installation. Install flashing to ensure positive water drainage away from roof penetrations. Flash and seal the roof at the ridge, eaves and rakes, and projections through the roof. Place closure strips, flashing,

and sealing material in an approved manner that will assure complete weathertightness. Details of installation which are not indicated must be in accordance with the SMACNA 1793, panel manufacturer's approved printed instructions and details, or the approved shop drawings. Allow for expansion and contraction of flashing.

- Exterior soffits must be of the same material as used for the panels and shall be a minimum 22GA metal with a factory color finish to match the roofing panels. The soffit shall meet IBC Chapter 12 Interior Environment attic ventilation requirements, depending on the envelope design. The soffits shall be fastening to resist high-winds and pest intrusion. All soffits shall be firmly attached to structure and secondary framing shall be provided where primary framing is not available for secure attachment.
- Open exposed structure, bar joist, I beams, lintels, etc. is not allowed. All building structures must be wrapped in finish materials of the proposed structure without allowing any protruding ledges that would promote bird nesting. Care should be taken to ensure that all gaps in materials are properly flashed or sealed to prevent nesting areas for insects and/or birds.
- All exterior downspouts shall have concrete splash blocks. Splash blocks shall meet LRAFB Standards. The minimum shall be 185 pound, 5" x 12" x 60" " concrete splash blocks at each downspout. Splash block may also be fiber reinforced 6" x 24" x 60" cast-in-place 3500 psi concrete pads.
- All exterior downspouts shall have a cast iron downspout boots/shoes to protect lower portions of each down spout from grounds maintenance high speed mower impacts. Minimum length shall be 24 inches.

#### **Sound Attenuation:**

- Batt insulation or approved equal is required in all wall construction in administration areas and walls separating mechanical rooms, laundry rooms, and service areas from occupied spaces.
- Dormitories have greater sound attenuation standards required per the Unaccompanied Housing Design Guide. Refer to this guide for additional requirements for dormitories. All components within the wall assembly must meet the required STC rating. This is a mission-essential requirement and cannot be deviated from without higher approval.

#### **DIVISION 08 – OPENINGS**

##### **General:**

- All new exterior windows, doors, and storefronts shall meet the requirements of UFC 4-010-01 Department of Defense Minimum Antiterrorism Standards for Buildings. This includes transferring the blast loads to the building structure as needed so the window, frame, and wall remain intact in case of an explosion.
- When re-using existing door frames - Provide surface preparation, welding, grinding of all steel door frames and install filler, primer and paint coats to restore all steel door frames to a like new appearance and function.

- All wood door frames are to be replaced with 16 gauge welded corner steel door frames, grouted full with masonry or concrete and mechanically anchored to existing structure. Wood door frames are not acceptable and shall not be allowed to remain.
- All new wood doors shall be bonded staved solid core birch face factory finished stain grade doors. Doors shall be finished as required in “Architectural Millwork” section.
- All new metal doors shall be 16 Gauge hot dipped galvanized and factory primed hollow metal doors. Paint as required for new finish, including all edges, sides, and top. See Section 08 11 13 STEEL DOOR AND FRAMES.
- Provide and install 6” high white reflective vinyl lettering above the kick plate of all fire exit doors reading “FIRE EXIT”.
- All new doors, interior or exterior, shall at a minimum be a 3070 door, unless otherwise noted.
- Provide solid surface window sills and stools at all windows. Solid surface material shall be burn resistant, and shall have geometric and speckled patterns to choose from. Coordinate color of solid surface with the millwork.
- Ensure all interior doors include the following hardware and are the same/matching throughout. See Section 08 71 00 DOOR HARDWARE.
  - Bonded staved solid core birch face factory finished stain grade doors. Provide rating as required.
  - 5” x 20” lites where existing and/or required.
  - Welded corner steel frames with silencers.
  - Stainless steel kick plates.
  - Five-knuckle ball bearing hinges.
  - Curved return lever handle locksets.
  
  - Locksets shall match the function of the room. For instance, Classroom locksets shall be installed on Classroom doors and Office locksets shall be installed on Office doors. Any variation of this shall be done only with coordination through the LRAFB Architect during the design process.
  - Keyed Deadbolts on all doors with locksets.
  - In dormitories that share a bath between occupant rooms, a deadbolt privacy lock and a passage lockset are required for the bathroom doors to prevent someone from becoming entrapped in the bathroom.
  - Card Key Access System that will work with the existing CAC Card system, with manual override on occupant rooms only. Where required.
  - Wall stops.
  - Heavy-duty closers, with adjustable pressure to meet ABA standards.
  - Peepholes with covers on exterior doors of all dorm rooms.
  - Panic bar hardware on all egress doors, regardless of occupancy type.
- All exterior doors shall be protected from the weather with an overhang or canopy that provides adequate protection from the weather.

## **DIVISION 09 – FINISHES**

### **Walls and Ceilings:**

- The minimum thickness of any wall board is 5/8". Wall boards shall be mechanically fastened; adhesives of any kind are not allowed. If adhering to masonry block, a 20GA furring strip is required.
- For showers and tiled surfaces, provide 5/8" concrete board (durock) on all walls, shower ceiling and floor and sealed with Laticrete 9235 waterproofing membrane, ("Red Guard", "green board", "blue board" and "moisture resistant board" are not acceptable products).
- Moisture resistant gypsum board is required in all wet locations, if tile is not the final finish.
- On new construction, provide a medium orange peel finish, primer coat and minimum of two paint coats for areas to receive painting. On renovations, the existing texture of the walls to remain shall be matched and the entire wall surface shall be primed and painted.
- All new ACT shall be fine fissured, 2' x 2' panels, with a tegular edge. All field cuts shall be beveled and field painted to match per manufacturer's instructions. Replacement of ACT shall match existing texture, whether medium or fine fissured.
- Vinyl wall coverings are not permitted per IBC and UFC longer an acceptable material at LRAFB.

### **Flooring and Wall Base:**

- All carpeting shall meet or exceed the requirements of the USAF Unaccompanied Housing Design Guide, the Air Force Carpet Handbook, ETL 07-04 and UFC 3-120-10. Carpeting shall be at a minimum heavy traffic/heavy wear rated carpeting. Carpeting shall also have a geometric pattern and shall be a branded fiber. Density shall be no less than 7000 average pile density. All areas with broadloom carpeting shall also have 4 inch high seamed edge carpeted wall base from matching roll stock. Areas with carpet tile shall have 4" vinyl wall base.
- Broadloom shall only be installed in areas specified by the Statement of Work. All carpet tile shall be of the non-glue down variety. Carpet tile manufacturer's standard method of installation shall include a non-glue down method. Using a different manufacturer's installation method for another manufacturer's tile is not acceptable. Carpet and installation method shall be by the same manufacturer.
- Wall base shall be as follows:
  - Broadloom Carpet floor = carpet base, Carpet tile floor = vinyl or rubber base
  - VCT or LVT floor = vinyl or rubber base
  - Ceramic Tile floor = Ceramic tile cove base, Porcelain tile = Porcelain tile cove base
  - Epoxy floor = Epoxy coating shall extend up the wall covering the concrete curb.
  - Areas that require floors to contain spills and liquids shall have cove base.
- Vinyl base shall be continuous roll stock, not 4' lengths and shall be installed in the longest lengths possible. Piecemealing small lengths is not acceptable. Seams shall be located in corners.
- All gypsum wall construction shall have wall base to protect bottom of wall from damage.

- Provide 2" – 4" wide extruded aluminum transition thresholds at all changes in floor coverings. Transition thresholds shall be mechanically and adhesively attached. Vinyl and rubber transition strips are not acceptable.

#### **Stairwells:**

- Provide an approximately 5/16" thick, non-skid abrasive strip, extruded aluminum stair treads, nosing, and riser system. In stairwells, the treads, nosing, risers and tile, and base shall be matching in color, pattern, and style for a complete and uniform system. New wall base shall not be vinyl or rubber wall base in stairwells.
- Exterior stairs shall have non-skid extruded aluminum nosing at edge of concrete.

#### **Tiling:**

- The following national standards shall be followed:
  - Tile Council of North America (TCNA) Handbook
  - ANSI A108/A118/A136 - American National Standard Specification for the Installation of Ceramic Tile; 2017.
- Cement board, 5/8" minimum thickness, is the required substrate behind all tile work.
- All corners and intersections with floor and ceiling shall be free of grout and finished with an elastomeric sealant to allow for movement in tile work. This is the "planned point of failure" and the joint must remain flexible. The grouted joint will crack and allow water intrusion.
- All wall tiling shall provide cove base with a sanitary installation. No cove base or wall tiles shall sit on top of floor tiles. The joint between cove base and floor tile shall be a bead of elastomeric sealant. This is the "planned point of failure" between wall tile and floor tile and must remain flexible to prevent cracking of grout and water intrusion.
- A Schluter coved metal transition strip shall only be used in renovations if walls are not also tiled. Wall tile shall be selected with a cove base accessory and orientation of tile installation shall be coordinated with dimensions of cove base to allow for consistent geometry without cut tiles and irregular grout patterns.
- Provide thin set, 6" x 6" or larger, non-skid porcelain ceramic floor tiles in all bathrooms, laundry rooms, kitchens, lobbies, vestibules, and water fountain alcoves, in color groups 2 & 3. Install matching porcelain ceramic tile cove base in all areas with floor tile, 6" high minimum. If walls in room are also tiled, the cove base shall match the wall tile. If floor is only ceramic tile, a coved metal transition is required between flooring and base to allow for a sanitary installation.
- Install tile from floor to ceiling in wet locations. Wall tile shall be a minimum 6" x 6". Larger tiles may be used where appropriate based on room size.
- When laying out tile, layout of tile shall start from the center of the room to prevent irregular patterns and small cut tiles.
- All cuts in tile for utilities shall be appropriately sized (not oversized) for the utility. Covering over large openings with metal plates is not acceptable. Escutcheons around pipes and cover plates for devices shall be of matching materials. Lack of coordination between subcontractors will not be an excuse for poor work.

#### Shower Requirements:

- Provide shower pan liners and pre-cast terrazzo shower pans in all showers. Cultured marble is not acceptable. The dimensions of the shower pan shall be coordinated with wall framing to prevent raw materials from extending past wall edge. Raw materials are an occupational safety hazard and will not be accepted without field-modification prior to occupancy.
- Provide thin-set 6" x 6", 6" x 8" (minimum size) glazed ceramic wall tile on walls in color group 2 & 3 full height in showers. Shower ceiling to be ceramic tile with shower light.
- Elastomeric sealant is required at intersection of shower pan and shower wall tiles, and intersection of tile walls and ceiling. Sealant must also be provided at escutcheons for shower head, mixing valve, and grab bars to prevent water intrusion.

#### Exterior Building Components Finishing:

- All exposed metals shall be painted. Red Iron primer is not a finished material and is not acceptable left exposed. All metals shall be primed, per the type of metal, and finished to match "Dark Bronze" standing seam metal roof and soffits, unless approved otherwise by Base Architect.
- All transformers, panel boxes, conduits, and electrical equipment shall be painted "Satin Bronzestone" from Sherwin Williams ProMar Bronzestone Enamel Custom Colors, or "SW 7542 "Naturel" depending upon location. Coordinate with LRAFB Architect for correct color selection.
- All exterior HVAC units, condensers, etc. shall be factory finished "Satin Bronzestone" from Sherwin Williams ProMar Bronzestone Enamel Custom Colors, or "SW 7542 "Naturel" depending upon location. Coordinate with LRAFB Architect for correct color selection.
- All exterior HVAC ducts shall be painted "Satin Bronzestone" from Sherwin Williams ProMar Bronzestone Enamel Custom Colors, or "SW 7542 "Naturel" depending upon location. Coordinate with LRAFB Architect for correct color selection.
- All exterior Electrical boxes and exterior conduits shall be painted "Satin Bronzestone" from Sherwin Williams ProMar Bronzestone Enamel Custom Colors, or "SW 7542 "Naturel" depending upon location. Coordinate with LRAFB Architect for correct color selection.
- All roof top penetrations shall be painted to match the roof of the facility. Typically, this is either "Satin Bronzestone" from Sherwin Williams ProMar Bronzestone Enamel Custom Colors, or "SW 7542 "Naturel" depending upon location. Coordinate with LRAFB Architect for correct color selection.

### DIVISION 10 – SPECIALTIES

#### Wall Protection:

- Install corner guards at all outside corners in all public areas. Corner guards shall be 2" x 2" on extruded aluminum bracket and shall extend from floor to ceiling similar. Corner Guards shall be Koroguard 100/G10E or approved equal.

### **Window Coverings:**

- Blocking shall be provided at windows, if blinds cannot be anchored in header.
- Window coverings are user-specific and shall be coordinated during the design phase. If user requires blinds, provide and install 2" deep solid plastic commercial blinds at all windows.
- Dormitories require curtains and window blinds and shall be coordinated in the design phase.

### **Exterior and Interior Signage:**

- Provide mechanically attached room number signage and directional signage. Room number signage shall have room number and blank window for slide-in name and unit symbol. Provide and install building signage system to include directional signage and directories.
- All newly constructed or renovated exterior facilities shall include the installation of a building sign. The Sign shall be 18" x 36' Brown background with 12" reflective white numbers.

### **Toilet Accessories:**

- The installation of all toilet accessories shall follow ABA mounting heights. Provide mounting heights and clear distances in elevations and enlarged floor plans to illustrate compliance. Non-compliance will result in replacement of damaged toilet partitions, gypsum board finishes, or wall tiles. Install blocking in wall for all accessories, no exceptions.
- All toilet partitions shall be floor mounted, overhead braced, solid plastic toilet partitions with an integral continuous stop and hinge as manufactured by Hadrian Toilet Partitions, ARCH Series, or Eclipse Partitions Privacy by Design. Toilet partitions shall not bend, flex, or encroach against plumbing fixtures and shall be installed level with walls and flooring.
- Provide mop holders above all floor sinks so that mop dries over drain and not the floor.
- All accessories shall be compliant with the supplies provided by the Base Custodial Contract unless specifically changed by the User. The A/E Firm shall confirm who supplies the products with the User to ensure during the design process.
  - Toilet Paper Dispenser
    - San Jamar Twin 9" Tissue Dispensers
    - p/n R4090TBK (Twin 9in JBT Oceans 3.25 Core Black Pearl)
  - Paper Towel Dispenser
    - Triple S Pull Down Dispenser
    - p/n 76127 (Smoke/Black 8" Mechanical Pull Down Dispenser)
  - Soap Dispenser
    - Triple S Black/Grey Dispenser
    - p/n SSS-44001 (FoamClean Top Dispensing Dispenser)
- Minimum requirements for public restrooms include toilet with seat, lavatory, stainless steel mirror (one per lavatory), toilet paper dispenser (one per toilet), soap dispenser (one per lavatory unless there are multiple, then one dispenser per two lavatories is acceptable), paper towel dispenser (one per lavatory unless there are multiple, then one dispenser per two lavatories is acceptable), and a stainless steel trash disposal unit.

### **Fire Extinguishers:**

- See final page of Design Guide for fire extinguisher requirements based on occupancy and project type.

### **DIVISION 22 - PLUMBING**

- Provide temperature adjustable/control mixer valves in each shower. Provide handheld shower head, slide bar, and hose assembly in each shower. Plastic parts shall be limited. Majority of all parts shall be chrome plated bronze or brass.
- Provide and install floor drain(s) near toilet fixtures, urinals, washing machines, dishwashers, and ice machines for spill containment.
- Provide washer and dryer connections in pre-manufactured housings with no exposed plumbing.
- Provide curbed corner floor sink with hot and cold water.
- Escutcheons around pipes and cover plates for devices shall be of matching materials. Elastomeric sealant is required behind escutcheons in tiled showers to prevent water intrusion in wall cavity.

### **DIVISION 26 – ELECTRICAL**

- Provide an exterior light at all exterior door locations to meet life safety 1fc at egress doors.
- Exterior walkway lighting shall be Holophane WFCL3 Utility Washington Series Luminaire, Full Cutoff LED3; no substitutions. The lamp base shall be Holophane PFA Princeton Aluminum Pole, (F4 Fluted Base); no substitutions.

### **DIVISION 32 – EXTERIOR IMPROVEMENTS**

- Where pipe bollards are required, provide six inch diameter steel pipe bollards filled with concrete. If at a door location, provide bollards on each side of door, on exterior and interior.
- Provide a 5' by 5' concrete slab at all exterior door locations.
- When any excavation takes place (trenches, utilities, etc.) ground surface is to be restored to better than original condition.
- Solid sod all disturbed soil and ensure that original elevations and slopes are maintained. Hydroseeding is not allowed for new construction or renovation projects.
- When placing maintenance slabs next to buildings, keep in mind grounds maintenance. If the slab does not allow room for a riding mower between the maintenance slab and building (less than 6') or has surface mounted conduits and lines that connect it to the facility, extend the slab up to the edge of the facility.

Life Safety Code (NFPA 101) Occupancy Classification of Facility	New Facilities DAF and NFPA 1 Requirement for Portable Fire Extinguishers	Existing Facilities DAF and NFPA 1 Requirement for Portable Fire Extinguishers	Extinguisher Mounting Requirements
New Assembly	Required <sup>b</sup>	N/A	Cabinets
Existing Assembly	N/A	Required <sup>b</sup> NLT 31 Dec 2026	Options per NFPA 10
New Educational	Required	N/A	Cabinets
Existing Educational	N/A	Required NLT 31 Dec 2026	Cabinets
New Day-Care	Required	N/A	Cabinets
Existing Day-Care	N/A	Required NLT 31 Dec 2026	Cabinets
New Health Care	Required	N/A	Cabinets
Existing Health Care	N/A	Required <sup>f</sup>	Cabinets
New Ambulatory Health Care	Required	N/A	Cabinets
Existing Ambulatory Health Care	N/A	Required <sup>f</sup>	Cabinets
New Detention and Correctional	Required <sup>cd</sup>	N/A	Options per NFPA 10
Existing Detention and Correctional	N/A	Required <sup>cd</sup>	Options per NFPA 10
Lodging or Rooming Houses	Required	Required NLT 31 Dec 2026	New – Cabinets Existing – Options per NFPA 10
New Hotels and Dormitories	Required	N/A	Cabinets
Existing Hotels and Dormitories	N/A	Required NLT 31 Dec 2026	Options per NFPA 10
New Apartment Buildings	Required <sup>a</sup>	N/A	Cabinets
Existing Apartment Buildings	Not Required	Required <sup>a</sup> NLT 31 Dec 2026	Options per NFPA 10
New Residential Board and Care	Required	N/A	Cabinets
Existing Residential Board and Care	N/A	Required <sup>f</sup>	Cabinets
New Mercantile	Required	N/A	Cabinets
Existing Mercantile	N/A	Required <sup>f</sup>	Cabinets
New Business	Required	N/A	Cabinets
Existing Business	N/A	Required <sup>f</sup>	Cabinets
Industrial	Required	Required NLT 31 Dec 2026	Options per NFPA 10
Storage	Required <sup>a</sup>	Required <sup>a</sup> NLT 31 Dec 2026	Options per NFPA 10
Airport Traffic Control Towers	Required	Required NLT 31 Dec 2026	Options per NFPA 10
Commercial Cooking Spaces	Required – Class K (EU: Class F is acceptable)	Required <sup>f</sup> – Class K (EU: Class F is acceptable)	Options per NFPA 10
Electronics Spaces (DoD requirement)	Required (Clean Agent-type)	Required <sup>f</sup> (Clean Agent-type)	Options per NFPA 10
One- and Two-Family Dwellings	Not Required	Not Required	None

- a** Portable fire extinguishers may be located at exterior locations or interior locations but all portions of the building must be within 75 ft (22.8 m) of travel distance to a portable extinguishing unit.
- b** Portable fire extinguishers are not required in seating or outdoor performance areas.
- c** Access to portable fire extinguishers is permitted to be locked.
- d** Portable fire extinguishers are permitted to be located at staff locations only.
- e** Fixed extinguishers may not be required when forklift, powered industrial truck or cart operators are the primary occupants (see NFPA 1, Table 13.6.1.2 for requirements).
- f** Portable fire extinguishers were already required in this occupancy by UFC 3-600-01 to comply with Public Law (2020 NDAA of 19 December 2019).
- g** See NFPA 1 and NFPA 10 for type, size, and placement requirements for portable fire extinguishers.
- h** This table reflects requirements that comply with Public Law (2022 NDAA of 27 December 2021). For planning purposes, the date of 31 December 2026 is proposed for the installation of portable fire extinguishers into those facilities where not previously required by Public Law. This date is subject to change upon receipt of guidance from DoD or HAF.
- i** Supersedes document entitled “AFCEC Guide to the Provision of Organizational Portable Fire Extinguishers and Real Property Extinguisher Cabinets/Enclosures As of 01 July 2020.”