

ATTACHMENT NO. 5

Ellsworth Air Force Base **South Dakota** *Standards for Design* *March 2001*



Ellsworth Air Force Base
STANDARDS FOR DESIGN

INTRODUCTION

Ellsworth Air Force Base property design shall incorporate , but not be limited to, the minimum Design requirements set forth in these standards. If any local, state or federal codes, ordinances, or laws (including those of regulatory agencies such as utility companies etc.) include requirements that vary from these Standards, proposed substitution shall be submitted for the 28th Civil Engineer Squadrons prior written approval.

These Design Standards are provided to:

1. Ensure a quality building by using the best products available.
2. Promote standard materials, specifying common colors & accessories.
3. Develop conformance by establishing clear material guidelines.
4. To consider affirmative procurement.

HOW TO USE THIS MANUAL

1. The terms “must”, “shall”, “required” and similar imperative language indicates that this is necessary for approval by the 28th Civil Engineer Squadron.
2. The terms “can”, “should”, “may”, recommended” and similar language means that this is an option and it is not a requirement for approval. Other options and alternatives should be considered to provide the best design.
3. Each section begins with a listed description of general Design Standards. The chart serves as a comprehensive list of detailed design parameters.
4. Specification Reference refers to detailed product information with approved product manufacturers list. Manufacturers with an asterisk (*) symbol indicates they are located in the Sweets Catalog. Those without will have an Internet address listed, if available.
5. For additional reference material see the following resources located in the Engineering flight of the 28th Civil Engineer Squadron:
 - a. Ellsworth Design Compatibility Standards Book
 - b. ACC Architectural Guidelines

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200 PARKING & SITE

201

PARKING & SITE

- 201.1 Parking and driveways must be asphalt or concrete paved over an appropriate base material, with concrete curbs and painted parking stripes. Provide a minimum of one car parking space per 500 gross square feet of building area, but not less than otherwise required.
- 201.2 Main entrances must be wheelchair accessible. Provide all other accessible elements required by law. (see CECN)
- 201.3 Roof design, gutters and downspout placement must be coordinated to protect entrances, allow water drainage away from the building and controlled to avoid washing over or onto walkways.
- 201.4 Lighting of the parking area providing a minimum illumination of 1 footcandle at parking surface throughout all paved areas is required. Lamp source shall be high pressure sodium.
- 201.5 Exterior electrical power outlets are required at the building perimeter, including the main entrances.
- 201.6 Parking must be located at least 25m from the building.
- 201.7 All light poles, flag poles or any metal poles are to be round steel. Concrete, square steel, or fiberglass may be acceptable.
- 201.8 Minimal islands in parking lots for easy snow removal.
- 201.9 Grassed or landscaped areas, to promote good drainage, shall slope 1' in the first 10' from building.
- 201.10 Bollards shall be steel, concrete filled, in industrial type areas and concrete at offices, commercial and public areas. Lighted bollards may be required.
- 201.11 Verify drainage with Environmental Section to ensure compliance.

300 LANDSCAPING

301 LANDSCAPING

- 301.1 Landscaping shall include moderate to low maintenance grass, trees and planting beds as required.
- 301.2 Low level landscaping must surround the perimeter of the building, excluding sidewalks and curbs. Landscaping in this space shall include a combination of grass/shrubs. Planting beds must include a variety of 4-6 shrubs minimum.
- 301.3 Parking areas must be landscaped to comply with local zoning requirements.
- 301.4 An underground irrigation sprinkler system is required to serve all planting beds and lawns. Sprinkler systems shall have winter blow out provisions and back flow preventer.
- 301.5 Landscaping should provide cooling, shading, snow control and water shed.
- 301.6 Planting beds & trees located around buildings should have an equal mixture of young to mature plants and trees.
- 301.7 All landscaping must be kept a minimum of 10m from the building for inspection of briefcase sized items.
- 301.8 No bark or wood chip mulch is allowed.

400 BUILDING EXTERIOR

401

BUILDING EXTERIOR

- 401.1 The exterior design must coordinate with other existing buildings located on base.
- 401.2 Flat roof construction shall be used only for existing flat roofs under certain conditions. All new construction shall have pitched roofs.
- 401.3 Brick masonry walls may be accented with precast concrete bases, cut stone, string courses and/or cornices.
- 401.4 Masonry patterning is encouraged to provide a sense of scale to the building and to articulate building entrances.
- 401.5 Metal buildings are only allowed for hangars and industrial type buildings.
- 401.6 Gutters and downspouts are not required on buildings with pitched roofs.
- 401.7 Rain diverters and snowguards are required at all entrances.

BUILDING EXTERIOR SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Sloped roofs	Metal standing seam	Brown tones	07611
Flat roofs	EPDM fully adhered membrane	Brown or gray tones	07531
<u>Siding:</u> Brick Stone Precast	Scratch face, modular, etc. Smooth face, 2" veneer Simulated natural cut stone	Brown tones or gray tones Neutral tones Neutral tones	04813 04853 04720
Soffit, rake and fascia	Vented soffit, smooth metal clad fascia.	Compliment color to roof or building color	07611
Gutters and downspouts *optional	6"x6" Ogee prefinished metal gutters with debris screens and rectangular downspouts.	Match color of roof	07714
Windows	Aluminum or wood (metal clad exterior), low-E insulated glass.	Clear anodized finish or clad color to match exterior. Interior wood-red oak.	08520 (alum.) 08550 (wood) 09900 (stain)
Window Sills	Solid Surfacing (no wood sills)	Neutral tones	06600
<u>Doors :</u> Hollow metal Alum/glass	Painted finish Insulated glass.	(to match building) Neutral tone Clear anodized finish	09900 (paint) 08410
Entry lights	Recessed cans controlled by photocell or wall mounted fixtures.	Color to compliment building exterior.	16510

500 EXTERIOR SIGNAGE

501 EXTERIOR SIGNAGE

- 501.1 Exterior signs shall serve to identify buildings, inform users and direct vehicular traffic. For all exterior sign requirements refer to Design Compatibility Standard Book.
- 501.2 Continuity of materials, fonts and colors is recommended.
- 501.3 Letter style for signs is Helvetica. Helvetica medium shall be used for primary information and Helvetica regular shall be used for secondary information.
- 501.4 Individual lettering attached to building structures, monuments and entryway glass shall be metallic, beige or white.
- 501.5 Materials for signs shall be galvanized steel and non-ferrous materials, such as brick and cut stone.
- 501.6 If lighting of signs is required, use flood or spotlights.
- 501.7 Size and location of exterior signs must be approved by the 28th Civil Engineer Squadron and conform to signage regulations.
- 501.8 Building identification signs may be one or two sided.



Building Identification Sign Example



Individual Lettering Example

600 ENTRANCES

601 ENTRANCES

- 601.1 A vestibule at the main entry is required. The vestibule must clearly define entrance into the building and may be centered on building.
- 601.2 An entrance mat in the vestibule is required.
- 601.3 Auxiliary entrances to the building are recommended and fire code may be required.
- 601.4 Security locks must be provided at controlled entrances to the building. All entrance locations should be well lit.
- 601.5 Main entrances shall be a pair of glass doors. Full glass sidelights on each side are recommended. Automatic door openers may be required.
- 601.6 Fluorescent lighting is to be used in vestibules and main entrances. In unheated areas provide low temperature ballasts.

VESTIBULE AND MAIN ENTRANCE SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	Square quarry tile	Neutral tones-gray or beige	09300
Base	4" to 6" high cove base	Match floor	09330
Entrance mat	Carpeted treads with rubber backing.	Neutral color	12486
Walls	Vinyl wallcovering with scrim backing, Type II, 18-20 oz., Class A, 54" wide	Varies, light neutrals with subtle pattern or texture.	09720
Ceiling	Textured or smooth painted gypsum board, flat paint.	Pure white or neutral	09900 (paint)
Doors	Full-glass aluminum doors. Insulated glass.	Clear anodized finish.	08410
Door frames	Aluminum frames.	Clear anodized finish.	08410
Security	Outside door always unlocked. Inside door has coded entry lock.	Chrome	08710
Lighting	Recessed fluorescent. 20 footcandles.	Chrome or white	16510

AUXILIARY ENTRANCE SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Doors	Hollow metal or full-glass aluminum door with insulated glass.	Clear anodized finish. Dark bronze	08410 (alum.) 08114 (hollow metal)
Door frames	Hollow metal or aluminum frame. Painted finish.	Match doors	08410 (alum.) 08115 (hollow metal)
Security	Coded entry lock.	Chrome	08710

700 CORRIDORS AND STAIRS

701

CORRIDORS AND EXIT STAIRS

- 701.1 Corridors should be no less than 44" wide.
- 701.2 Electrical power outlets for cleaning equipment are required at least every 50 feet center-to-center.
- 701.3 Electrical panels should not be located in corridors. Any electrical panel in a corridor must be painted to blend with wallcovering colors and must be equipped with locking covers.
- 701.4 Fire extinguishers must be accessible and installed in cabinets, either unlocked or with break glass devices. Provide type of extinguisher at locations to meet codes.
- 701.5 Exit and emergency lighting are required.
- 701.6 Consider wall protection rail in high traffic areas.

CORRIDOR SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	Dense textured nylon level loop, woven polypropylene backing, stretched over pad or double glue application. Optional bordering.	Varies, minimum of 6 colors. Background color must be medium to dark hue. Neutral.	09686
Base	4" vinyl cove base.	Match color from carpet.	09650
Walls	Vinyl wallcovering with scrim backing, Type II, 18-20oz., Class A, 54" wide	Varies, light to medium neutrals with subtle pattern or texture.	09720
Door casing	Red oak, traditional style.	Natural or stained finish.	09900 (stain)
Corner guards	Screw-attached or self adhesive clear plastic	Clear at wallcovering	10260
Ceiling	Painted smooth gypsum board ceiling or suspended acoustical panels 2'x2' with revealed edges and at 7'-10" or higher is recommended.	White or off-white	09510 (panels) 09900 (paint)
Fire extinguisher	Recessed or semi-recessed cabinets with view glass	White	10523
Lighting	Recessed or surface mounted fluorescent type.	Chrome or white	16510
Emergency lighting	Surface mounted battery pack with dual flood lamps.	White	16510
Accent lighting	Wall sconces are recommended, fluorescent.	Chrome, brass or painted to match wall covering.	16510

EXIT STAIRS SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Landing	Rubber to match tread and risers. Circular or square pattern.	Neutral tones	09650
Treads & risers	Rubber tread with raised circular or square pattern. Square nosing.	Neutral tones.	09650
Handrails	Steel with painted finish.	Neutral tones. Off set color of stair treads and risers.	05520
Walls	Painted smooth or textured finish.	Off-white or neutral	09900
Ceiling	Painted smooth gypsum board ceiling or textured finish.	White or neutral	09900
Lighting	Bar lighting located at each landing- wall hung, fluorescent.	White	16510
Emergency lighting	Surface mounted battery pack with dual flood lamps.	White	16510



Stairwell Example



Corridor Example

800 EXECUTIVE OFFICES

801 EXECUTIVE OFFICES

- 801.1 Executive offices shall be sized according to base requirements.
- 801.2 Minimum of three duplex outlets, one telephone outlet, and two voice data outlets for computer must be provided. Located for flexible room configuration requirements.
- 801.3 Soundproofing is required in walls adjacent to other office areas.
- 801.4 Indirect lighting may be used in rooms with 9-foot ceilings minimum.

EXECUTIVE OFFICE SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	Dense textured nylon level loop, woven polypropylene backing, stretched over pad or double glue down applications. Optional bordering.	Varies, minimum of 6 colors. Background color must be medium to dark hue. Neutral.	09686
Base	Red oak base. Traditional style.	Natural or stained finish.	09900
Walls	Vinyl wallcovering with scrim backing, Type II, 18-20oz., Class A, 54" wide.	Varies, light neutrals with subtle pattern or texture.	09720
Chair rail	Red oak, traditional style. 3' off floor.	Natural or stained finish.	09900
Corner guards	Self adhesive or screw attached clear plastic	Clear at wallcoverings	10260
Ceiling	Painted & textured gypsum board or suspended acoustical panels 2'x2' with revealed edge.	White Pure white	09510 (panels) 09900 (paint)
Doors	Solid core oak wood doors.	Natural or stained finish.	08212 (door) 09900 (stain)
Door frame	Oak frame. Case with traditional style hardwood, both sides.	Natural or stained finish.	08212 (frame) 09900 (stain)
Security	Coded entry locks.	Chrome	08710
Lighting	Mix of recessed cans on dimmer controls and recessed 2'x2' fluorescent. Suspended fluorescent.	white	16510
Decorative lighting	Wall sconces for accent, fluorescent.	Brass, chrome or finish to match wall covering.	16510



Executive Office Example

900 CONFERENCE ROOMS

901

CONFERENCE ROOMS

- 901.1 Conference rooms shall be sized according to base requirements.
- 901.2 Rooms should be column-free and walls of gypsum board must have ½" minimum of soundboard either sealed to structure or with sound batts above the ceiling.
- 901.3 Storage for chair, tables, podiums, etc. shall be located adjacent to conference rooms.
- 901.4 Each separate conference room must have its own individually controlled HVAC system and control.
- 901.5 Minimum of one duplex outlet per wall, one telephone outlet, one voice data outlet for computer and one television outlet must be provided in each conference room.
- 901.6 Provide white boards, chalk boards, manual pull down screens or electrically operated pull down screens as required.
- 901.7 Suspended fluorescent indirect lighting may be used in rooms with 9 foot ceiling heights minimum.

CONFERENCE ROOM SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	Dense textured nylon level loop, woven polypropylene backing, stretched over pad or double glue down applications. Optional bordering.	Varies, minimum of 4 color choices. Background color must be medium to dark hue. Neutral.	09686
Base	4" to 6" red oak base, traditional style	Natural or stained finish.	09900
Walls	Vinyl wallcovering with scrim backing, Type II, 18-20oz., Class A, 54" wide.	Varies, light neutrals with subtle pattern or texture.	09720
Chair rail	Oak chair rail, traditional style. 3' off floor.	Natural or stained finish.	09900
Corner guards	Self adhesive or screw attached clear plastic	Clear at wallcoverings	10260
Ceiling	Suspended acoustical panels 2'x2' with revealed edge or painted smooth finish.	White Pure white	09510 (panels) 09900 (paint)
Doors	Solid core wood doors.	Medium stained wood.	08212 (door) 09900 (stain)
Door frame	Oak frame. Case with traditional style hardwood, both sides.	Natural or stained finish.	08212 (frame) 09900 (stain)
Security	Coded entry locks.	Chrome	08710
Lighting	Mix of recessed cans on dimmer controls and recessed 2'x2' fluorescent. Suspended fluorescent.	white	16510
Decorative lighting	Wall sconces on dimmer switches, fluorescent.	Brass, chrome or finish to match wall covering.	16510

1000 CLASSROOMS

1001

CLASSROOMS

- 1001.1 Classrooms shall be sized according to base requirements.
- 1001.2 Rooms shall be column free and walls of gypsum board must have 1/2" minimum of soundboard either sealed to structure or with sound batts above the ceiling.
- 1001.3 If temporary partitions are required they should be acoustically designed folding panels.
- 1001.4 Storage for chairs, tables, podiums, etc. shall be located adjacent to classroom.
- 1001.5 Coat racks in or near each classroom are required.
- 1001.6 Built in cabinets may be required.
- 1001.7 Floor outlets are required, if room is used for computer instruction, for any portion of the classroom floor that is greater than 8 feet from the wall and shall be spaced not more than 16 feet apart from each other. Minimum of one duplex outlet per wall is required.
- 1001.8 One telephone outlet minimum and must provide adequate voice/data outlets for computers.
- 1001.9 Provide white boards, chalk boards, manual pull down screens or electrically operated pull down screens as required.
- 1001.10 Suspended fluorescent indirect lighting may be used in rooms with 9 foot ceilings minimum.
- 1001.11 Each classroom should have ventilation capability with fresh air and heating/cooling. Individual controls for each classroom are required.

CLASSROOM SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	Dense textured level loop, woven polypropylene backing, stretched over pad or double glue down applications. Optional bordering.	Varies, minimum of 4 color choices. Background color must be medium to dark hue. Neutral.	09686
Base	4" high vinyl cove base.	Match color in carpet.	09650
Walls	Textured and painted gypsum board.	Off-white or neutral.	09900
Folding partitions	Acoustically treated core with cloth surface.	Solid pattern-neutral colors to coordinate with carpet.	10651
Corner guards	Self adhesive or screw attached clear plastic	Clear at wallcoverings	10260
Ceiling	Suspended acoustical panels 2'x2' with revealed edge or painted smooth finish.	White Pure white	09510 (panels) 09900 (paint)
Doors	Solid core wood doors.	Medium stained wood.	08212 (door) 09900 (stain)
Door frame	Oak frame. Case with traditional style hardwood, both sides.	Natural or stained finish.	08212 (frame) 09900 (stain)
Security	Coded entry locks.	Chrome	
Lighting	Mix of recessed cans on dimmer controls and recessed 2'x4' fluorescent. Suspended fluorescent.	White	16510

1100 OFFICES (STANDARD)

1101

OFFICES (STANDARD)

- 1101.1 Standard office size shall be according to base requirements.
- 1101.2 Minimum of two electrical duplex outlet, one telephone outlet and one voice data computer outlet per desk is required, locate as required.
- 1101.3 Suspended fluorescent indirect lighting may be used in rooms with 9 foot ceilings minimum.

OFFICE SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	Dense textured nylon level loop, woven polypropylene backing, double glue down application.	Varies, minimum of 6 colors. Background color must be medium to dark hue. Neutral.	09686
Base	4" high vinyl cove base.	Match color from carpet.	09650
Walls	Texture and painted gypsum board.	Off-white or neutral	09900
Ceiling	Suspended acoustical panels 2'x2' with revealed edge or smooth painted finish.	White Pure white	09510 (panels) 09900 (paint)
Door	Solid core oak wood door.	Natural or stained finish.	08212 (door) 09900 (stain)
Door frame	Oak frame with trim on each side or hollow metal.	Natural or stained finish. Paint neutral tone.	08212 (frame) 09900 (paint) 09900 (stain)
Lighting	Surface mounted or recessed 2'x4' fluorescent. Suspended fluorescent.	White	16510



Standard Office Example

1200 PUBLIC RESTROOMS

1201

PUBLIC RESTROOMS

- 1201.1 Single or multiple fixture restrooms are required by code to meet ADA specifications.
- 1201.2 Install fixtures, accessories and items in accordance with manufacturer's instructions.
- 1201.3 GFI outlet at lavatory.
- 1201.4 HVAC - minimum of 10 air changes per hour exhaust rate.

PUBLIC RESTROOM SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	6" to 12" square slip resistant ceramic tile	Neutral tones-beige or cream	09300
Base	4" high ceramic tile cove base.	Match wall tile.	09300
Walls	4"x4" ceramic tile wainscot 5 feet with painted smooth finish above.	Varies, off-white or neutral with matte or glazed finish	09300 (tile) 09900 (paint)
Ceiling	Suspended acoustical panels 2'x2' with revealed edges or smooth painted finish.	White	09510 (panels) 09900 (paint)
Doors from Corridor (optional)	Solid core oak wood doors. Brass kick plate.	Natural or stained finish.	08212 (door) 09900 (stain)
Door frame	Oak frame with trim on each side.	Natural or stained finish.	08212 (frame) 09900 (stain)
Toilet partitions	Metal, baked enamel finish, floor or ceiling mounted. Wall mounted urinal screens.	Off-white or neutral	10160
Toilet tissue dispensers	Dual roll, surface mounted.	Polished stainless steel	10800
Soap dispenser	Surface mounted liquid soap.	Polished stainless steel	10800
Paper towel Dispenser/ Waste Receptacle	Surface mounted.	Polished stainless steel	10800
ADA accessories	Grab bars and toilet accessory mounting locations required by code.	Polished stainless steel	10800
Mirror	Ground edges, full width from splash to 6'-4" AFF	NA	08830
Vanity & sink	Solid surface, 20" top with integral sink and 4" splash.	Subtle patterning-neutral tones	06600
Sink faucet and drain	Commercial grade lever handle faucet with grid strainer.	Chrome plated brass	15410
Toilet and urinal	Flush valve with elongated bowl, open front seat and no lid.	white	15410
Lighting	Decorative traditional vanity fluorescent fixture wall mounted over mirror. Additional recessed fluorescent 2'x2' for large restrooms.	Chrome or white	16510

1300 BREAK ROOMS

1301

BREAK ROOMS

- 1301.1 Locate centrally to office areas.
- 1301.2 A laminate countertop with base cabinets, sink, microwave and refrigerator are required. Wall cabinets are recommended.
- 1301.3 One wall telephone outlet and one television outlet with cable hook up is required. Minimum of one outlet per wall and one outlet per every 24" at countertop.
- 1301.4 Ventilation capability with fresh air and exhaust.
- 1301.5 Natural lighting is suggested in conjunction with other light sources.

BREAK ROOM SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	12" x 12" x 1/8" vinyl composition tile.	Light neutrals with patterning.	09650
Base	4" high vinyl cove base.	Match floor.	09650
Walls	Textured walls with paint.	Off-white or neutral	09900
Ceiling	Suspended acoustical panels to match corridor or paint smooth finish.	White Pure white	09510 (panels) 09900 (paint)
Door	Solid core oak wood door.	Natural or stained finish.	08212 (door) 09900 (stain)
Door frame	Oak frame with trim on each side.	Natural or stained finish.	08212 (frame) 09900 (stain)
Lighting	Recessed or surface mounted fluorescent.	White	16510
Cabinets	Laminated base and upper cabinets.	Solid light neutral color.	12350
Countertops	Laminated with oak edging. Oak-natural or stained finish.	Light neutral color with subtle patterning to coordinate with cabinets & floor covering.	12350 (laminatae) 09900 (stain)
Sink	Stainless steel, single bowl or double, 15" x 17", self-rimming.	Stainless steel	15410



Break Room Example

1400 STORAGE AREA

1401

STORAGE AREA

- 1401.1 Storage rooms for extra supplies, furniture, fixtures, equipment and archived records should be located according to office requirements.
- 1401.2 Painted wood shelves are recommended for this type of storage. Shelving must be securely anchored to structural members or wood blocking.
- 1401.3 Minimum of one duplex outlet.

STORAGE AREA SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	12"x12"x 1/8" square vinyl composition tile, class II.	Light neutrals with patterning.	09650
Base	4" high vinyl cove base.	Match floor.	09650
Walls	Painted smooth finish.	Off-white or white	09900
Ceiling	Suspended acoustical panels to match corridor or painted smooth finish. Paint exposed pipes, ducts, and conduits.	White	09510 (panels) 09900 (paint)
Door	Solid core oak door.	Natural or stained finish.	08212 (door) 09900 (stain)
Door frame	Hollow metal. Case with oak trim, corridor side only.	Paint neutral tones to match corridor wall covering. Trim-natural or stained finish.	08112 (frame) 09900 (paint) 09900 (stain)
Lighting	Recessed or surface mounted fluorescent with acrylic lens only.	White	16510

1500 UTILITARIAN AREA

1501

UTILITARIAN AREA

- 1501.1 Workbench with heavy-duty pegboard on back wall is required.
 1501.2 Electrical power outlets as required.
 1501.3 One wall telephone outlet is required.
 1501.4 Supply mop racks and shelves as required for minimal storage of janitorial items.

UTILITARIAN AREA SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	12"x12"x 1/8" square vinyl composition tile, Class II	Light neutrals with patterning.	09650
Base	4" high vinyl.	Match floor.	09650
Walls	Paint smooth finish	Off-white or neutral	09900
Sink	Free standing or wall mounted laundry sink.	Fiberglass	15410
Ceiling	Suspended acoustical panels to match corridor or painted smooth finish. Paint exposed pipes, ducts, and conduits.	White	09510 (panels) 09900 (paint)
Door	Solid core oak door.	Natural or stained finish.	08212 (door) 09900 (stain)
Door frame	Hollow metal. Case with oak trim corridor side only.	Paint neutral tones to match corridor wall covering. Trim-natural or stained finish.	08112 (frame) 09900 (paint) 09900 (stain)
Lighting	Recessed or surface mounted fluorescent with acrylic lens only.	White	16510

1600 ELEVATORS

1601 ELEVATORS

- 1601.1 Elevators are required for buildings having three or more stories. Elevators for two story buildings are recommended and may be required to meet ADA requirements.
- 1601.2 Locate elevator in center of building adjacent to corridors. A minimum landing of 5' by 10' is required, and landing may overlap corridor.
- 1601.3 Hydraulic elevator is recommended.
- 1601.4 Consult with a commercial elevator supplier for code information, service contract information and building requirements.
- 1601.5 Elevator hall doors must be brushed stainless steel.
- 1601.6 Elevator car doors and control panels must be brushed stainless steel.
- 1601.7 Elevator floor to match corridor carpet.
- 1601.8 Elevator car walls must be plastic laminate clad to match building décor.
- 1601.9 Elevator car ceiling may be translucent diffuser with fluorescent lighting above.
- 1601.10 Elevator shafts meeting all codes are required. Concrete masonry unit shaftwall construction is recommended for sound and vibration control.
- 1601.11 Elevator machine rooms meeting all codes are required. Concrete masonry unit wall construction is recommended for sound control.
- 1601.12 Elevator recall, smoke detectors, shutdown, etc. per ANSI standards for elevators.



1700 DORMITORY ROOMS

1701 DORMITORY ROOMS

- 1701.1 Dormitory room size shall be according to base requirements.
- 1701.2 Check base requirements for dormitory room furniture.
- 1701.3 Minimum of one electrical duplex outlet, one telephone outlet, one voice data computer outlet per desk area and one television outlet with cable hook-up is required.
- 1701.4 Soundproofing is required in walls adjacent to other dormitory rooms.
- 1701.5 Each dormitory room must have its own individually controlled HVAC system and control.
- 1701.6 Message board located on each corridor door.

DORMITORY ROOM SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	Dense textured nylon level loop, woven polypropylene backing, double glue down application.	Varies, minimum of 6 colors. Background color must be medium to dark hues. Neutral.	09686
Base	4" high vinyl cove base.	Match color from carpet.	09650
Walls	Textured and painted gypsum board.	Off-white or neutral.	09900
Ceiling	Suspended acoustical panels to match corridor or painted texture finish.	White Pure white	09510 (panels) 09900 (paint)
Doors	Solid core oak doors.	Natural or stained finish.	08212 (doors) 09900 (stain)
Door frame	Oak frame with trim on each side.	Natural or stained finish.	08212 (frame) 09900 (stain)
Lighting	Recessed or surface mounted fluorescent fixtures.	White	16510



Dormitory Room Example

1800 DORMITORY BATHROOMS

1801

DORMITORY BATHROOMS

- 1801.1 Single fixture bathrooms may be required by code to ADA specifications.
 1801.2 Install fixtures, accessories and items in accordance with manufacturer's instructions.
 1801.3 GFI outlet at lavatory.
 1801.4 HVAC - minimum of 10 air changes per hour exhaust rate.

DORMITORY BATHROOM SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	2"x2" square slip resistant ceramic tile.	Neutral tones-beige or cream	09300
Base	4" high ceramic tile cove base.	Match floor tile.	09300
Walls	Textured and painted gypsum board.	Off-white or neutral.	09900
Ceiling	Painted smooth gypsum board.	Pure white	09900
Doors	Solid core oak wood door.	Natural or stained finish.	08212 (door) 09900 (stain)
Door frame	Hollow metal. Case with oak trim-both sides.	Paint neutral tone to match door. Trim-natural or stained finish.	08112 (frame) 09900 (paint) 09900 (stain)
Tub/shower units	Fiberglass tub with shower surround, two piece unit.	Off-white or neutral	15410
Bathtub faucet/shower control	Lever handle, diverter spout and shower head with bent arm & flange.	Chrome plated brass	15410
Shower walls	4"x4" ceramic tile.	Varies, off-white or neutral with matte or glazed finish.	09300
Shower floor	1"x1" square slip resistant ceramic tile.	Neutral tones-coordinate with floor tile.	09300
Shower faucet	Hand held shower head, single lever water control.	Chrome plated brass	15410
Cabinets	Laminated custom cabinets.	Neutral solid color.	12350
Countertop/sink	Solid surface, 20" top with integral sink and 4" splash.	Subtle patterning - neutral tones.	06600
Sink faucet & drain	Commercial grade lever handle faucet with grid strainer.	Chrome plated brass.	15410
Mirror	Ground edges; full width from splash up to 5' high.	NA	08830
ADA accessories *if required	Grab bars and toilet accessory mounting locations required by code.	Polished stainless steel	10800
Toilet	Flush valve with elongated bowl, open front seat and no lid.	White	15410
Lighting	Decorative traditional vanity fluorescent fixture, wall mounted over mirror	Chrome or white	16510

1900 WEIGHT ROOM

1901

WEIGHT ROOM

- 1901.1 Room size will vary depending on equipment needs.
- 1901.2 Sufficient ventilation is required.
- 1901.3 Electrical wall or floor outlets should be located according to equipment placement.
- 1901.4 Minimum of one television outlet with cable hook-up may be required.
- 1901.5 Double door from corridor may be required.
- 1901.6 Heavy rubber mats to be used under heavy weight equipment.

WEIGHT ROOM SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	Rubber tile.	Neutral tone.	
Base	4" high vinyl cove base.	Match color from floor covering.	09650
Walls	Textured & painted gypsum board.	Off-white or neutral	09900
Ceiling	Suspended acoustical panels 2'x2' with revealed edges or painted smooth.	White Pure white	09510 (panels) 09900 (paint)
Door from Corridor	Solid core oak wood door.	Natural or stained finish.	08212 (door) 09900 (stain)
Door frame	Hollow metal. Case with oak trim both sides.	Paint neutral tone to match door. Trim - natural or stained finish.	08112 (frame) 09900 (paint) 09900 (stain)
Mirrors	¼ inch thick, ground edges, glue to wall. Provide channel & clips.	Stainless steel channel & clips.	08830
Lighting	Recessed or surface mounted 2'x2' fluorescent.	White	06510



Exercise Room Example

2000 LAUNDRY AREA

2001

LAUNDRY AREA

- 2001.1 Locate floor drain in laundry area as required by code.
- 2001.2 Recessed wall cabinet with ironing board may be required.
- 2001.3 Supply sufficient washer and dryer hook up stations.
- 2001.4 GFI outlet by laundry sink area.
- 2001.5 Area for clothes rod may be required.

LAUNDRY AREA SPECIFICATIONS			
ITEM	DESIGN STYLE	DESIGN CRITERIA	SPECIFICATION REFERENCE
Floor	6" to 12" Square slip resistant ceramic tile	Neutral tones-medium color range	09300
Base	4" high vinyl cove base	Match color of floor tile	09650
Walls	Textured & painted gypsum board	Off-white or neutral	09900
Ceiling	Suspended acoustical panels 2'x2' with revealed edges or painted smooth	White Pure white	09510 (panels) 09900 (paint)
Door from Corridor	Solid core oak wood door	Natural or stained finish	08212 (door) 09900 (stain)
Door frame	Hollow metal. Case with oak trim both sides.	Paint neutral tone to match door. Trim - natural or stained finish.	08112 (frame) 09900 (stain) 09900 (paint)
Lighting	Recessed or surface mounted 2'x2' fluorescent.	White	16510
Cabinets	Laminated cabinets-base only.	Light neutral color-solid no patterning.	12350
Countertops	Laminated top with cut out for sink.	Coordinate with cabinets-neutral color with subtle patterning.	12350
Sink	Stainless steel, single bowl, 15"x17", self-rimming.	Stainless steel	15410
Sink Faucet	Gooseneck, metal lever handles.	Polished chrome finish.	15410



Laundry Room Example

2100 INTERIOR SIGNAGE

2101 INTERIOR SIGNAGE REQUIREMENTS AND SPECIFICATIONS

- 2101.1 Interior signage must provide information and direction in an efficient manner and be consistent in appearance.
- 2101.2 Overall sign dimensions will vary based on message.
- 2101.3 ½" thick acrylic with routed edges and acrylic face is required.
- 2101.4 Provide raised Grade II Braille.
- 2101.5 Letters to be in Aldine Style, 2" tall x 1/16" thick, acrylic.
- 2101.6 Interior signs are to be located at door entrances from corridors. Additional signage may be required at main front entrances for directional purposes.
- 2101.7 Removable name area is required for signage designating positions outside of offices.



Multiple Room Use Sign Example



Position Designation Sign with Removable Name area Example



Typical Room Designation Sign Example

2200 TRASH DISPOSAL AREA

2201 TRASH DISPOSAL AREA

- 2200.1 Dumpster enclosure is required. Enclosure, meeting local requirements, must fully conceal the dumpster from three sides at ground level view and coordinate with the exterior materials, colors and detailing of the main building. One side of enclosure is to be open with no obstructions.
- 2200.2 Remodel work on existing buildings requires updating or adding dumpster enclosures. Wood fencing, at least 6 feet tall, can be used as enclosure material. Stain or seal wood.
- 2200.3 Locate dumpster areas away from entrances, convenient to service areas and accessible to truck pick-up service. Dumpster areas are located a minimum of 10m away from the building.
- 2200.4 A concrete pad for the dumpsters is required.



Masonry Dumpster Enclosure



Mechanical Equipment Enclosure



Wood Fence Dumpster Enclosure

2300 MECHANICAL & PLUMBING

2301 MECHANICAL & PLUMBING SYSTEMS

- 2301.1 A central mechanical room or rooms shall contain heating and cooling equipment, domestic hot water equipment, plumbing and miscellaneous equipment.
- 2301.2 A complete plumbing system of waste lines, vents, cold water supply and re-circulating hot water supply is required.
- 2301.3 Hot and cold domestic water supply system must provide a minimum of 40 psi pressure to all fixtures.
- 2301.4 Mechanical engineer is responsible for verifying the water pressure at the site is a minimum of 55 psi.
- 2301.5 Domestic hot water system must provide a minimum of 105 degrees F and a maximum of 110 degrees F temperature to all dormitory unit fixtures and 160 degrees F to laundry areas.
- 2301.6 Water softening system should be provided if certain applications require soft water such as boiler makeup.
- 2301.7 Central four-pipe building heating and cooling system may be provided for large properties. If provided, dormitory units must have heating and cooling available year-round with individual controls.
- 2301.8 Gas supply system is recommended for water heaters, laundry areas and central heating systems.
- 2301.9 Corridors may have a central HVAC system or floorboard heating or both depending on length of corridor.
- 2301.10 Dormitory bathroom exhaust system may be either ducted through a fan in the attic or a centrifugal fan on the roof serving multiple rooms.
- 2301.11 Public restrooms should be provided with exhaust systems capable of at least 10 air changes per hour of fresh air and exhaust.
- 2301.12 Mandatory use of water-back-flow prevention devices is required to isolate industrial plumbing from any other system.
- 2301.13 Use lead free solder as per National Standard Plumbing Code 1996.
- 2301.14 Heat transfer fluid reservoirs are suggested in mechanical rooms if hot water boilers are used.

2400 ELECTRICAL

2401 ELECTRICAL SYSTEMS

- 2401.1 In addition to all other Ellsworth AFB Standards, all electrical work shall be done in accordance with the National Electric Code (NFPA 70) and the National Electrical Safety Code (NESC).
- 2401.2 A central electrical room or rooms shall contain main switchgear equipment. Additional spaces on each floor for panelboards are recommended and may be maid closets, storage rooms or similar.
- 2401.3 A complete electrical system of transformer, switchgear, panelboards, grounding, conductors, raceways and fittings must be provided.
- 2401.4 Electrical entrances must be underground and shall be sized to provide power for all electrical needs.
- 2401.5 Coordinate all electrical power outlets, phone jacks and television jacks with furniture layout and equipment.
- 2401.6 Lighting at each building entrance is required. All interior lighting, except decorative or accent lighting, shall be fluorescent type fixtures, unless hid in high ceiling applications.
- 2401.7 Dimmer controls are required in all conference rooms and classroom type areas.
- 2401.8 GFI outlets must be provided in wet areas where required by code.

2500 TELEPHONE, TELEVISION & OTHER SYTEMS

2501 TELEPHONE, TELEVISION AND OTHER SYSTEMS

- 2501.1 Telephone system including underground entrance, backboard, space for equipment, conduits, boxes, wiring, jacks and equipment are required in construction contract. All work shall be in accordance with Ellsworth Airforce Base and EIA/TIA Standards for Category 5 cabling system.
- 2501.2 Television system including space for equipment, conduits, boxes, wiring, jacks and equipment are required in construction contract.
- 2501.3 Computer system including space for equipment, conduits, boxes, wiring, jacks and equipment are required in construction contract. All work shall be in accordance with Ellsworth Airforce Base and EIA/TIA Standards for Category 5 cabling systems.
- 2501.4 Locate telephone, television and computer equipment in conditioned space isolated from activities and per manufacturer's requirements.
- 2501.5 Security systems, closed circuit camera and recorders to monitor areas are optional.
- 2501.6 If generator is required, verify type and size is applicable.

2600 LIFE SAFETY SYSTEMS

2601

LIFE SAFETY SYSTEMS

- 2601.1 Building fire alarm system with automatic detection, pull stations, audio/visual alarms and a central annunciator panel is required. Provide additional remote alarms inside coded areas to overcome wall sound insulation and ambient room noise. All work shall be done in accordance with NFPA 72.
- 2601.2 Emergency light system and illuminated exit signage are required in accordance with code.
- 2601.3 Unitary smoke detectors in dormitory rooms and all other sleeping areas must be provided in accordance with code and must not be connected to the building fire alarm system. Unitary smoke detectors shall be hard wired to the buildings power system and be provided with battery backup.
- 2601.4 Fire suppression sprinkler system is required. Sprinkler heads should be a recess mount and quick reaction type. Application of wet or dry pipe is to be determined by designer.
- 2601.5 Fire extinguishers are required.
- 2601.6 Provide window openings in dormitory rooms when required by code.
- 2601.7 Areas of refuge located in stairwells of all buildings having an elevator are recommended. Areas of refuge may be required by code.
- 2601.8 Smoke detectors are required in duct system and need to be connected to the buildings fire alarm system capable of HVAC shutdown when activated.

2700 SOUND ISOLATION

2701

SOUND ISOLATION

- 2701.1 Walls and floor/ceilings of dormitory rooms, conference rooms and classrooms adjacent to public areas other than corridors must provide airborne sound transmission coefficient STC of 50 or greater.
- 2701.2 Exhaust ducts in bathrooms must be designed to minimize sound transfer between areas.
- 2701.3 Power outlets, switches, telephone jacks and television jacks in guest units must be offset 24 inches from similar items on opposite sides of wall cavities, and the space between must be effectively sound insulated.
- 2701.4 Toilet and shower drain pipes in dormitory bathrooms must be sound insulated from the start of the drain to the main stack.
- 2701.5 Ductwork that allows sound to be transmitted from one room to another is not recommended.
- 2701.6 All exterior windows must have insulated glass.
- 2701.7 In areas that receive direct exterior road or airplane noise, additional exterior wall and roof/ceiling acoustical design may be necessary. Specially designed window frames and or panes may be required.

2800 WINDOW, DOORS AND DOOR HARDWARE

2801

WINDOW, DOORS AND DOOR HARDWARE

- 2801.1 Windows must either be a fixed unit with or without an operable hopper vent with fixed glazing.
- 2801.2 Window area shall vary due to building design. If replacing window units during remodel work, keep window area the same size or down size window area if required.
- 2801.3 Window glass must have low-emmissivity coating and dual panes with vacuum or gas filled space between panes. Frames must be extruded aluminum or wood windows with pre-finished clad exterior.
- 2801.4 Windowsills must be solid surfacing. Hard wood sills can be used if specified.
- 2801.5 Doors in corridors must be solid core wood doors. All interior non-corridor doors can be flush hollow core.
- 2801.6 Exterior doors shall be extruded aluminum with double pane gas filled glass. Sidelights may be required made from same material.
- 2801.7 Door frames in corridors must either be welded or knockdown hollow metal or hardwood. Knock down frames with flange that are flush with walls are recommended for attachment of wood trim on both sides or corridor side only as required.
- 2801.8 Door hardware shall be heavy-duty commercial grade.
- 2801.9 Door hardware finish shall match existing.
- 2801.10 Door locksets and latches shall have lever handles. Privacy locks for dormitory rooms should match existing.
- 2801.11 Push button coded locks are required on doors for building entrances, conference rooms, classrooms, and certain offices.
- 2801.12 Wall doorstops must have solid wood blocking support in wall cavities.
- 2801.13 Fire rated doors and frames shall be located when required by code, and shall include closers. Fire rated doors and frames are required to have rating tags and are not to be painted.
- 2801.14 Windows may be required to have a fire rating.

2900 BLOCKING

2901

BLOCKING

- 2901.1 Provide wood blocking in wall cavities for attachment of all miscellaneous artwork, wall sconces, mirrors, mop racks, window coverings and wall mounted toilet units.
- 2901.2 In storage rooms, provide wood blocking in wall cavities for attachment of built-in shelf supports.
- 2901.3 Provide wood blocking in wall cavities for attachment of all base and wall cabinets.
- 2901.4 Provide wood blocking in wall cavities for attachment of all wall-mounted doorstops.

3000 RELATED PRODUCT SPECIFICATIONS

3000 RELATED PRODUCT SPECIFICATIONS

01100 - SUMMARY

1. These Product Specifications are not intended for construction. Professionally prepared specifications are required for construction purposes.
2. These Product Specifications are intended as a guideline to understand the concept of Ellsworth Air Force Base compatibility design standards.
3. All materials and products shall be evaluated and approved by the 28th Civil Engineer Squadron prior to specification for construction.

01600 - PRODUCT REQUIREMENTS

1. Manufacturers listed in these Product Specifications:
 - a. All materials and products shall be installed as per manufacturer's standards or specifications. Complete work to satisfaction of 28th Civil Engineer Squadron to provide a quality facility.
 - b. The exclusion of a product or manufacturer from these Product Specifications does not exclude them from consideration. Any substitutions must meet written approval by the 28th Civil Engineer Squadron.

3000 RELATED PRODUCT SPECIFICATIONS

04720 - CAST STONE

Summary:

1. Precast Concrete Masonry:
 - a. Vast color selection-coordinate color with exterior finishes.
 - b. Structural detailing available.
 - c. Special shapes and sizes available.
 - d. Signage available.

Approved Manufacturers:

1. Stonco Inc.
4924 Poppleton Ave.
Omaha, NE 68106
(402) 556-5544
2. Thunder Stone
3300 South 6th Street
Lincoln, NE 68502
(402) 420-2322
3. Dallas Cast Stone Company Inc.
4107 Hancock Street
Dallas, TX 75210
(214) 428-6269
www.dallasstone.com
4. Gage Brothers Concrete Products Inc.
P.O. Box 1526
Sioux Falls, SD 57101
(605) 336-1180



Cast Stone Example

3000 RELATED PRODUCT SPECIFICATIONS

04813 – BRICK MASONRY

Summary:

1. Clay Brick Masonry:
 - a. Neutral colors-vast color selection.
 - b. Size-modular, scotty, utility, triple, meridian.
 - c. Special shapes available.
 - d. 8000 + PSI.
2. Concrete Masonry Units:
 - a. Neutral colors-vast color selection.
 - b. Size-4", 6", 8", 10", 12".
 - c. Textures-scratch, split, burnish, glaze, natural.
 - d. Fire rated units available.

Approved Manufacturers:

1. Hebron Brick Company
P.O. Box 509
1543 Deadwood Avenue
Rapid City, SD 57709
(605) 343-3733
2. Dakota Block Company
P.O. Box 2920
Rapid City, SD 57709
(605) 342-6070
3. Sioux City Brick
501 Orpheum Building
P.O. Box 807
Sioux City, IA 51102
(712) 258-6571
4. Gage Brothers Concrete Products Inc.
P.O. Box 1526
Sioux Falls, SD 57101
(605) 336-1180



Brick Masonry Example

3000 RELATED PRODUCT SPECIFICATIONS

04853 –NATURAL STONE VENEER

Summary:

1. Natural Stone:
 - a. Finishes (polished, honed, thermal, split, natural)
 - b. Vast color selection-coordinate color with exterior finishes.
 - c. Types of stone (granite, limestone, sandstone, slate).
 - d. Various sizes and shapes.

Approved Manufacturers:

1. Cold Springs Granite
202 South Third Avenue
Cold Springs, MN 56320-2593
(612) 259-3400
2. Vetter Stone Company
Route 5, Box 41, P.O. Box 38
Kasota, MN 56050
(507) 345-4568
3. Brock White Company
1243 Eagan Industrial Road
Eagan, MN 55121
(651) 686-5036
4. State Stone Corporation
4640 South 300 West
Salt Lake City, UT 84107



Granite Example



Limestone Example



Sandstone Example



Slate Example

3000 RELATED PRODUCT SPECIFICATIONS

05520 – METAL RAILINGS

Summary:

1. Metal Railing:
 - a. ADA compliant.
 - b. 1 ½ inch diameter round steel.
 - c. Steel-epoxy painted finish.

Approved Manufacturers:

1. Summit Steel Fabricators, Inc. *
2004 Federal Road
Houston, TX 77015
(713) 451-6960
2. American Stair Corp. *
642 Forestwood Drive
Romeoville, IL 60446-1354
(800) 872-7824
3. Julius Blum & Company *
P.O. Box 816
Carlstadt, NJ 07072-0816
(800) 526-6293
4. Tri Tech, Inc. *
5710 Harrison Avenue
Austell, GA 30106
(770) 944-0020



Metal Railing Example

3000 RELATED PRODUCT SPECIFICATIONS

06600 - SOLID SURFACING

Summary:

1. Vanity Countertops & Integral Sinks:
 - a. Vanity top, 3/4" thick.
 - b. Matte finish.
 - c. Cut out for drop-in china bowl sink is optional.

2. Laundry/Break Room Countertops
 - a. Countertops 3/4" thick
 - b. Matte finish.
 - c. Cut out for stainless steel sinks.

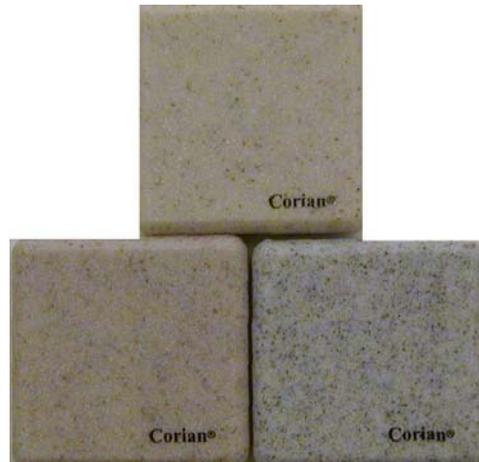
3. Window Sills
 - a. Sill, 1/2" thick.
 - b. Matte finish.

Approved Manufacturers:

1. Dupont Company *
1007 Market Square
Wilmington, DE 19898
(302) 774-6260

2. Avonite *
1945 Highway 304
Belen, NM 87002
(800) 428-6648

3. Transolid, Inc. *
2599 Charlotte Highway
Mooresville, NC 28117
(800) 766-2452



Solid Surfacing Samples

Neutral colors with subtle patterning.

3000 RELATED PRODUCT SPECIFICATIONS

07531 - EPDM MEMBRANE ROOFING

Summary:

1. EPDM Membrane roofing:
 - a. Fully adhered system.
 - b. 60 mil. thickness.
 - c. Medium to dark brown or gray tones.
 - d. Remodel work only-not for use on new construction.

Approved Manufacturers:

1. Celotex Corp. *
4010 Boy Scout Blvd.
Tampa, FL 33607
(813) 873-1700
2. GenFlex Roofing Systems *
1722 Indian Wood Circle, Suite A
Maumee, OH 43537
(800) 443-4272
3. Sta Fast Roofing *
7095 Americana Parkway
Reynoldsburg, OH 43068
(800) 225-4714
4. Versico, Inc. *
3485 Fortuna Drive
Akron, OH 44312
(330) 644-6700



**EDPM Membrane Roof
Example**

3000 RELATED PRODUCT SPECIFICATIONS

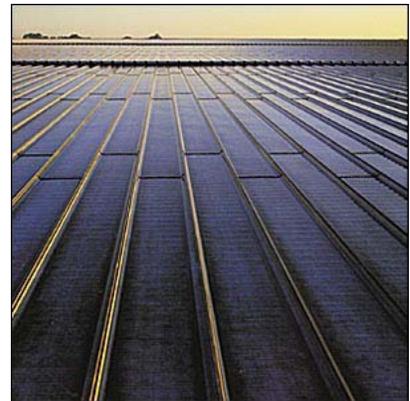
07611 - METAL STANDING SEAM ROOFING

Summary:

1. Metal Standing Seam Roofing:
 - a. Standing seam with batten.
 - b. 16" seam spacing.
 - c. Mechanically seamed.
 - d. Meet building code fire-exposure and uplift resistance requirements.
 - e. Brown tones.

Approved Manufacturers:

1. Steelo Systems, Inc. *
5412 Courseview Drive
P.O. Box 8181, Suite 300
Mason, OH 45040
(513) 573-5200
2. Butler Manufacturing Company *
700 Karnes Blvd.
P.O. Box 419917
Kansas City, MO 64141
(816) 968-3000
3. Englert, Inc. *
1200 Amboy Ave.
Perth Amboy, NJ 08861
(732) 826-8614
4. Metal Sales Mfg. Corp. *
7800 States Road 60
Sellersburg, IN 47172
(812) 246-0819



**Metal Standing Seam Roof
Example**

3000 RELATED PRODUCT SPECIFICATIONS

07714 - GUTTERS AND DOWNSPOUTS

Summary:

1. Gutters & Downspouts:
 - a. Pre-finished aluminum ogee gutters.
 - b. Pre-finished aluminum rectangular downspouts.
 - c. Color to match roofing material.

Approved Manufacturers:

1. Architectural Products Co. *
2644 Crescent Springs Road
Covington, KY 41017
(606) 341-1171
2. CopperCraft *
2143 Joe Field Road, Suite 100
Dallas, TX 75229
(800) 486-2723
3. Deer Mountain Gutter & Insulation
31038 Blue Bird Court
Sturgis, SD 57785
(605) 423-4312
4. ABC Seamless Gutters
2091-B Rand Road
Rapid City, SD 57702
(605) 341-3953

3000 RELATED PRODUCT SPECIFICATIONS

08114 - HOLLOW METAL DOORS & FRAMES

Summary:

1. Hollow metal doors & frames:
 - a. Exterior/Interior frames-16 gage core thickness.
 - b. Door core, polystyrene insulation.
 - c. Fabricated frames as welded units.
 - d. Fire rating & ADA requirements may apply.
 - e. Prime/painted finish.

Approved Manufacturers:

1. Steelcraft Mfg. Co. *
9017 Blue Ash Road
Cincinnati, OH 45242
(513) 745-6400
2. Overly Door Co. *
574 W. Otterman
Greensburg, PA 15601-0070
(724) 834-7300
3. Fleming Steel Doors & Frames *
A United Dominion Company
20 Barr Road
Ajax, ON L1S 3X9
(905) 683-3667
4. American Metal Door Co., Inc. *
615 South H
Richmond, IN 47375
(800) 428-2737



Hollow Metal Door & Frame Example

3000 RELATED PRODUCT SPECIFICATIONS

08212 - WOOD DOORS & FRAMES

Summary:

1. Entrance and Interior French doors:
 - a. Solid red oak.
 - b. Insulated glass at exterior.
 - c. 1 ¾ inch thick.
 - d. Side lights optional.
 - e. Fire rating & ADA requirements may apply.
(Rating Tag required)

2. Corridor and other solid core doors:
 - a. Flush panel design.
 - b. 1 ¾ inch thick.
 - c. Solid red oak
 - d. Brass kick plates recommended.
 - e. Side lights optional.
 - f. Fire rating & ADA requirements may apply.
(Rating Tag required)



**Interior Solid Oak
Door Example**

Approved Manufacturers:

1. Pella Corp. *
102 Main St.
Pella, IA 50219
(888) 628-8433

2. Anderson Corp. *
100 4th Ave. North
Bayport, MN 55003-1096
(651) 264-5150

3. Hurd Millwork Co. *
575 S. Whelen Ave.
P.O. Box 319
Medford, WI 54451
(715) 748-2011

4. Marvin Windows & Doors
P.O. Box 100
Warrad, MN 56763
(800) 346-5044
www.marvin.com

3000 RELATED PRODUCT SPECIFICATIONS

08410 - STOREFRONT DOORS

Summary:

1. Swinging Aluminum Entrance Door System:
 - a. Single swinging doors and frames.
 - b. Butt hinges or pivots.
 - c. Low-E insulated glass, dual pane with 1/2" argon gas pocket.
 - d. Clear anodized finish on frame.
 - e. Glazing to be tempered.
 - f. Sidelights may be required.
 - g. ADA requirements may apply.

Approved Manufacturers:

1. Kawneer Co., Inc. *
555 Guthridge Court
Norcross, GA 30092
(770) 449-5555
2. Tubelight Inc. *
4878 Mackinaw Trail
Reed City, MI 49677
(616) 832-2211
3. United States Aluminum
200 Singleton Drive
Waxahachie, TX 75165
(972) 937-9651
www.usalum.com
4. Special-Lite
P.O. Box 6
Decatur, MI 49045
(616) 423-7068
www.special-lite.com



Store Front Door Example

3000 RELATED PRODUCT SPECIFICATIONS

08520 - ALUMINUM WINDOWS

Summary:

1. Aluminum Windows:
 - a. Extruded aluminum windows, operable or fixed, fixed glazing.
 - b. Thermally broken anodized aluminum frames.
 - c. Double-glazing with 1/2" argon gas.
 - d. All glazing shall be tinted.

Approved Manufacturers:

1. Desco Windows
716 3rd St., SE
DeSmet, SD 57231
(800) 952-5534
desco@lw.net
2. Kawneer Co., Inc. *
555 Guthridge Court
Norcross, GA 30092
(770) 449-5555
3. Tubelight Inc. *
4878 Mackinaw Trail
Reed City, MI 49677
(616) 832-2211
4. Gerkin Windows & Doors *
P.O. Box 3203
Sioux City, IA 51102
(800) 475-5061

3000 RELATED PRODUCT SPECIFICATIONS

08550 - WOOD WINDOWS

Summary:

1. Wood windows:
 - a. Red oak interior-natural or stained finish.
 - b. Clad exterior-coordinate color with building exterior.
 - c. Sills, hardwood or solid surfacing material.
 - d. Operable or fixed window, fixed glazing.
 - e. Insulated glass, double glazing with ½" argon gas.
 - f. All glazing shall be tinted.

Approved Manufacturers:

1. Pella Corp. *
102 Main Street
Pella, IA 50219
(888) 628-8433
2. Hurd Millwork Co. *
575 S. Whelen Ave.
P.O. Box 319
Medford, WI 54451
(715) 748-2011
3. Anderson Corp. *
100 4th Ave. North
Bayport, MN 55003-1096
(651) 264-5150
4. Marvin Windows & Doors
P.O. Box 100
Warrad, MN 56763
(800) 346-5044
www.marvin.com

3000 RELATED PRODUCT SPECIFICATIONS

08710 - SECURITY LOCKS

Summary:

1. Exterior-Exit Device Controls:
 - a. Weather resistant.
 - b. All metal front housing.
 - c. 6 key combination lock.
 - d. Satin chrome finish.
 - e. Fully mechanical-not affected by power failure.

2. Interior-Auxiliary Locks:
 - a. One-hand operation.
 - b. All metal construction.
 - c. Satin chrome finish.
 - d. Fully mechanical-not affected by power failure.

Approved Manufacturers:

1. ILCO UNICAN *
2941 Indiana Ave.
Winston Salem, NC 27105
(800) 849-8324



Coded Entry Lock
Example

3000 RELATED PRODUCT SPECIFICATIONS

08830 - MIRRORS

Summary:

1. Mirrors
 - a. ¼ inch thick.
 - b. Ground edges.
 - c. Glued to wall. At exercise room and all public restrooms, provide stainless steel channel at bottom and clips at top in addition to glue.

Approved Manufacturers:

1. A.C.I.
965 Ridge Lake Blvd.
P.O. Box 171173
Memphis, TN 38120-1173
(800) 238-6057
2. Guardian Industries *
14600 Romaine Road
Carleton, MI 48117
(734) 654-6264
3. Arch Aluminum & Glass Co., Inc. *
10200 Northwest 67th Street
Tamarac, FL 33321
(800) 432-8132
4. Marquez Glasseries, Inc. *
8215B Dorsey Run Road
Jessup, MD 20794
(800) 822-4299

3000 RELATED PRODUCT SPECIFICATIONS

09300 - FLOOR & WALL TILE

Summary:

1. Entrances & Laundry Area-Quarry Tile:
 - a. Floor tile, abrasive finish, 8"x8" or 12"x12".
 - b. Cove base, 4" or 6" high.
 - c. Colored grout to match tile.

2. Restrooms-Ceramic Tile:
 - a. Floor tile, abrasive finish, 2"x2" or 6"x6".
 - b. Wall tile, smooth finish, 4"x4", border color optional.
 - c. Cove base to match wall tile.
 - d. Off-white grout.

Approved Manufacturers:

1. Crossville Ceramics *
P.O. Box 1168
Crossville, TN 38557
(931) 484-2110

2. Summitville Tiles, Inc. *
State Route 644
P.O. Box 73
Summitville, OH 43962
(330) 223-1511

3. Daltile
7834 C.F. Hawn Freeway
Dallas, TX 75217
(800) 933-8453
www.dtile.com

4. American Olean Tile Company *
7834 C.F. Hawn Freeway
Dallas, TX 75217
(215) 393-2237



**Wall Tile with Optional
Border Example**

3000 RELATED PRODUCT SPECIFICATIONS

09510 - ACOUSTICAL CEILING PANELS

Summary:

1. Panels and Grid System (for corridors and typical spaces):
 - a. Non-directional fissured wet-felted mineral fiber lay-in panels, 2'x2'x5/8 inches thick with revealed edge.
 - b. Formed steel double-web tee grid, 15/16 inches wide, intermediate duty system.

2. Panels and Grid System (for restrooms):
 - a. Vinyl-faced gypsum panels for high moisture environment.
 - b. Aluminum-web tee grid with, 15/16 inches wide, intermediate duty system.

Approved Manufacturers:

1. Celotex Corporation *
4010 Boy Scout Blvd.
Tampa, FL 33607
(813) 873-1700

2. Armstrong World Industries, Inc. *
Ceiling & Ceiling Systems Division
P.O. Box 3001
Lancaster, PA 17604
(717) 397-0611

3. U.S.G. Interiors, Inc. *
125 South Franklin
P.O. Box 4470
Chicago, IL 60680
(800) 874-4968

4. Chicago Metallic Corp.
4849 S. Austin Ave.
Chicago, IL 60638
(800) 323-7164
www.chicago-metallic.com



Acoustical Ceiling Panels
Example

3000 RELATED PRODUCT SPECIFICATIONS

09624 - RUBBER TILE FLOORING

Summary:

1. Rubber tile-weight room area.
 - a. 3/8" inch thick.
 - b. Glue down application.
 - c. Maximum wear and slip resistance.
 - d. Various sizes and colors.

Approved Manufacturers:

1. Pawling Corporation *
32 Nelson Hill Road
P.O. Box 200
Wassaic, NY 12592
(800) 431-3456
2. Tuflex Rubber Flooring *
4521 West Crest Ave.
Tampa, FL 33614
(800) 543-0390
3. American Floor Products Co., Inc. *
7977 Cessna Ave.
Gaithersburg, MD 20879-4167
(888) 768-2058



Rubber Tile Example

3000 RELATED PRODUCT SPECIFICATIONS

09650 - RESILIENT FLOORING

Summary:

1. Vinyl composition tile:
 - a. 12"x12"x 1/8".
 - b. No wax finish.
 - c. Standard grade.

2. Vinyl/Rubber Base:
 - a. 4" high, coved.
 - b. Optional - oak cap in corridors.

3. Landing & Treads/Risers:
 - a. 1/8" thick rubber design tile.
 - b. Raised circular or square pattern.
 - c. Solid color - neutral tones.



**Vinyl Cove Base with
Oak Cap Example**

Approved Manufacturers:

1. Vinyl Composition Tile Manufacturer:
 - a. Congoleum Corporation *
Dept. C
3705 Quakerbridge Rd.
P.O. Box 3127
Mercerville, NJ 08619
1-800-934-3567

 - b. Tarkett *
800 Lanidex Plaza
Parsippany, NJ 07054
(201) 428-9000
1-800-225-6500

 - c. AzRock *
1705 Oliver St.
P.O. Box 3145
Houston, TX 77007
1-800-366-2689

 - d. Armstrong *
2500 Columbia Ave.
P.O. Box 3001
Lancaster, PA 17604
1-800-233-3823



Vinyl Composition Tile Samples -
Neutral tones with subtle patterning.

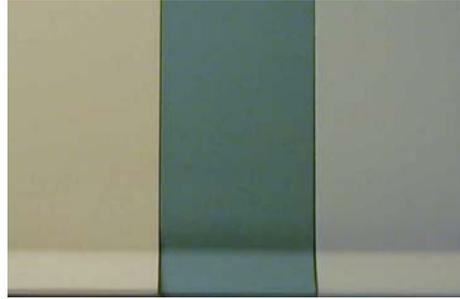
2. Vinyl Cove Base Manufactures and Landing & Treads/Riser Design Tile Manufacturers:

a. Burke Flooring Products *
2250 S. 10th St.
San Jose, CA 95112
1-800 669-7010

b. Johnsonite *
16910 Munn Road
Chagrin Falls, OH 44023
1-800-899-8916

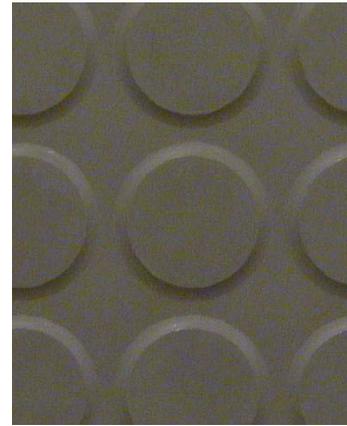
c. Roppe *
1602 N. Union Street
Box 1158
Fostoria, OH 44830-1158
1-800-537-9527

d. V.P.I. *
3123 South 9th St.
P.O. Box 451
Sheboygan, WI 53082
1-800-874-4240



Vinyl Cove Base Examples

Solid colors to match color from floor covering.



Stair Design Tile Example

Circular pattern.



Stair Design Tile Example

Square pattern.

3000 RELATED PRODUCT SPECIFICATIONS

09686 - CARPET

Summary:

1. Sheet Carpeting
 - a. Level loop - minimum of 6 colors.
 - b. Polypropylene backing.
 - c. Borders optional-cut pile, solid color.
 - d. Neutral in color- blues, greens, or browns
2. Padding
 - a. Standard commercial grade.
 - b. No padding - double glue down application.



Shaw Color Sample

Cut pile border & level loop.

Approved Manufacturers (Sheet Carpeting):

- a. Shaw Industries
P.O. Box 2128
Dalton, GA 30722-2128
(706) 278-3812/ www.shawinc.com
Product line: Studio one 2 one:
 1. Level loop = Wildcreek
 2. Cut Pile Border = Bay Hill II
- b. J & J Industries
16475 Ave. North
Plymouth, MN 55446
(612) 550-1031
Product line: Terrestrial
 1. Level loop = Terrestrial Style 4320
 2. Cut Pile Border = Colours Supreme Style 3838
- c. Cambridge
1997 Highway 225 South
Chatsworth, GA 30705
1-800-451-1250
Product Line: Glen Coe
 1. Level loop = Glen Coe
 2. Cut Pile Border = Park Lane
- d. DesignWeave
15305 Valley View Ave.
Santa Fe Springs, CA 90670
(310) 921-7209/ www.designweave.com
Product Line: Stratosphere
 1. Level loop = 992 Stratosphere
 2. Cut Pile Border = Windswept Classic



J&J Color Sample

Cut pile border & level loop.



Cambridge Color Sample

Cut pile border & level loop.



DesignWeave Color Sample

Cut pile border & level loop.

3000 RELATED PRODUCT SPECIFICATIONS

09720 - VINYL WALL COVERING

Summary:

1. Vinyl Wall Covering:
 - a. Scrim backing.
 - b. Type II, 18-20 oz. recommended.
 - c. Light to medium neutral colors with subtle patterning or Texture to hide seaming or wall imperfections.

Approved Manufacturers:

1. Guard Contract Wallcoverings
1280 N. Grant
Columbus, OH 43201
(800) 521-5250
2. D.L. Couch Wallcoverings, Inc.
3900 S. Memorial Drive
P.O. Box 570
New Castle, IN 47362
www.dlcouch.com
3. Hirshfield's, Inc.
725 2nd Avenue North
Minneapolis, MN 55405
(612) 377-3910
www.hirshfields.com
4. MDC Wallcoverings
1200 Arthur Avenue
Elk Grove, IL 60007
(800) 621-4006
www.mdcwallcoverings.com



Vinyl Wall Covering Example:
Neutral color with subtle patterning.



Vinyl Wall Covering Example:
Neutral color with subtle patterning.

3000 RELATED PRODUCT SPECIFICATIONS

09900 - PAINTING & STAINING

Summary:

1. Wall Paint:
 - a. Eggshell finish
 - b. Off-white or neutral color.
 - c. Smooth or Orange Peel texture

2. Ceiling Paint:
 - a. Flat finish
 - b. Pure white
 - c. Knockdown, "Popcorn" stipple or smooth texture

3. Wood Stain:
 - a. Golden Oak-satin finish
 - b. Natural finish

Approved Manufacturers:

1. Sherwin Williams *
Midwestern Division Office
11410 Alameda
Strongsville, OH 44136
(440) 846-4300

2. Diamond Vogel Paints
1110 Albany Place S.E.
Orange City, IA 51041
(712) 737-4993
www.diamondvogel.com

3. Benjamin Moore & Co. *
51 Chestnut Ridge Road
Montvale, NJ 07645
(201) 573-9600

4. Valspar Paints
1101 Third Street South
P.O. Box 1461
Minneapolis, MN 55415
(612) 332-7371
www.valspar.com

Texture Manufacturers

1. United States Gypsum Co. *
125 S. Franklin St.
Dept 978
Chicago, IL 60606
(800) 874-4968



3000 RELATED PRODUCT SPECIFICATIONS

10160 - TOILET PARTITIONS

Summary:

1. Toilet Partitions:
 - a. Metal partitions with powder coated baked enamel finish.
 - b. Neutral colors to coordinate with wall tile or optional border color.
 - c. Ceiling or floor mount options.

Approved Manufacturers:

1. Accurate Partitions Corp. *
P.O. Box 287
Lyons, IL 60534
(708) 442-6801
2. Monarch Toilet Partitions, Inc. *
186 Buffalo Ave.
Freeport, NY 11520
(516) 379-2700
3. American Sanitary Partitions Corp.
300 Enterprise Street
P.O. Box 99
Ocoee, FL 34761
(407) 656-0611
4. Metpar Corp. *
95 State Street
Westbury, NY 11590
(516) 332-2600



Metal Partition Example

3000 RELATED PRODUCT SPECIFICATIONS

10260 - WALL CORNER GUARDS

Summary:

1. Colored Corner Guards (at painted walls):
 - a. Vinyl/acrylic solid colored plastic.
 - b. 1 ½ x 1 ½ inches by 4 feet long.
 - c. Adhere to wall.
 - d. Match to paint color.
2. Clear Corner Guards (at vinyl wallcovering):
 - a. Lexan clear plastic.
 - b. 1 1/8 x 1 1/8 inches by 4 feet long.
 - c. Screw to wall.

Approved Manufacturers:

1. IPC Door & Wall Protection System, InPro Corp. *
S80 W18766 Apollo Drive
P.O. Box 406
Muskego, WI 53150
(800) 543-1729
2. Arden Architectural Specialties, Inc. *
151 Fifth Ave. NW, Suite J
St. Paul, MN 55112
(800) 521-1826
3. Construction Specialties, Inc. *
49 Meeker Ave.
Cranford, NJ 07016
(908) 272-5200
4. Hager Companies *
139 Victor Street
St. Louis, MO 63104
(314) 772-4400



Color Corner Guard
Examples

3000 RELATED PRODUCT SPECIFICATIONS

10523 - FIRE EXTINGUISHERS & CABINETS

Summary:

1. Fire Extinguisher:
 - a. Selected per code requirement.
2. Fire Extinguisher Cabinet:
 - a. Semi-recessed.
 - b. Full-glass panel.
 - c. Steel, baked enamel finish.

Approved Manufacturers:

1. J.L. Industries, Inc. *
4450 West 78th Street Circle
Bloomington, MN 55435
(612) 835-6850
2. Potter-Roemer *
3100 South Susan Street
Santa Ana, CA 92704
(800) 366-3473
3. Larsen's Mfg. Co. *
7421 Commerce Lane N.E.
Minneapolis, MN 55432
(800) 527-7367



Fire Extinguisher/Cabinet
Example

3000 RELATED PRODUCT SPECIFICATIONS

10651 - FOLDING PARTITIONS

Summary:

1. Panel System:
 - a. Acoustical panels with edge seals.
 - b. Fabric finish-neutral color to coordinate with carpet color.
 - c. 50 STC, minimum.

Approved Manufacturers:

1. Modernfold *
1711 I Ave., Box 310
New Castle, IN 47362
(765) 529-1450
2. Hufcor *
2101 Kennedy Road
P.O. Box 591
Janesville, WI 53545
(608) 756-1241
3. Panelfold, Inc. *
P.O. Box 680130
Miami, FL 33168
(305) 688-3501
4. Holcomb & Hoke Mfg. Co., Inc. *
1545 Van Buren St.
Indianapolis, IN 46203
(317) 784-2444



Panel System Example

3000 RELATED PRODUCT SPECIFICATIONS

10800 - TOILET ACCESSORIES

Summary:

1. Toilet Tissue Dispenser
 - a. Dual roll.
 - b. Stainless steel finish.
 - c. Surface mounted.
2. Soap Dispenser
 - a. Push-up type dispenser.
 - b. Chrome plated.
 - c. White globe.
3. Paper Towel/Trash Receptacle
 - a. Dispenses C-fold paper towels.
 - b. Removable waste container.
 - c. Surface mounted.
 - d. Stainless steel finish.
4. ADA Accessories
 - a. 18 gauge stainless steel grab bars.
 - b. Concealed or exposed mounting.

Approved Manufacturers:

1. American Specialties, Inc. *
441 Saw Mill River Road
Yonkers, NY 10701-4913
(914) 476-9000
2. Bobrick Washroom Equipment, Inc. *
11611 Hart Street
North Hollywood, CA 91605
(818) 764-1000
3. Bradley Corp. *
W 142 N 9101 Fountain Blvd.
Menomonee Falls, WI 53225
(414) 251-6000
4. Tubular Specialties Mfg., Inc. *
13011 South Spring Street
Los Angeles, CA 90061-1685
(800) 225-5876



Toilet Tissue Dispenser Example



Soap Dispenser Example



Paper Towel/Trash Dispenser Example

3000 RELATED PRODUCT SPECIFICATIONS

12350 - LAMINATED CABINETS & COUNTERTOPS

Summary:

1. Laminated Cabinets:
 - a. 3/4" cabinet core material (minimum).
 - b. .030 inch high pressure plastic laminated exterior finish.
 - c. Pressure fused white laminate interiors.
 - d. Cabinet edging 3mm PVC, match laminate color.
 - e. Solid color for upper & base cabinets-neutral tones.

2. Laminated Countertops:
 - a. "Ultimate" postformed design.
 - b. Rounded edge or solid red oak beveled edge.
 - c. 4" high backsplash
 - d. 3/4" thick solid particleboard core.

Approved Manufacturers:

1. Laminate Manufacturers:
 - a. Wilsonart International
2400 Wilson Place
P.O. Box 6110
Temple, TX 76503-6110
(800) 433-3222
www.wilsonart.com

 - b. Formica Corp. *
10155 Reading Road
Cincinnati, OH 45241
(513) 786-3400

 - c. Pionite Decorative Surfaces
One Pionite Road
Auburn, ME 04210
(207) 784-9111
www.pionite.com

 - d. Avonite *
1945 Highway 304
Belen, NM 87002
(800) 428-6648



Laminated Countertop Color Samples:

Subtle patterning.

2. Cabinet Manufacturers:
- a. TMI Systems Design Corp.
50 S. Third Ave. West
Dickinson, ND 58601-5595
(800) 456-6716
www.tmisystems.com
 - b. Nelson Adams, GSI
180 North Sherman Ave.
Corona, CA 92882
(909) 340-2800
 - c. Stevens Industries, Inc. *
704 West Main Street
Teutopolis, IL 62467
(217) 857-6411
 - d. BPS Architectural Products *
10816 Fallstone, Suite 505
Houston, TX 77099
(800) 255-9513



Laminated Cabinet Color

Samples:

Solid color-no patterning.

3000 RELATED PRODUCT SPECIFICATIONS

12486 - ENTRANCE MATS

Summary:

1. Entrance Mats (Vestibule):
 - a. Carpeted treads.
 - b. Rubber backing.
 - c. Coordinate color with interior carpet color.

Approved Manufacturers:

1. Construction Specialties, Inc. *
P.O. Box 380
Muncy, PA 17756
(888) 834-4455
2. American Floor Products Co., Inc. *
7977 Cessna Ave.
Gaithersburg, MD 20879-4167
(888) 768-2058
3. Turtle Plastics *
7450 A Industrial Parkway
Lorain, OH 44053-2064
(440) 282-8008
4. S Bemco International, Inc. *
715 North Finn Drive
Algona, IA 50511
(515) 295-3902



Floor Mat Example

3000 RELATED PRODUCT SPECIFICATIONS

15410 - PLUMBING FIXTURES

Summary:

1. Toilets & Urinals:
 - a. Commercial grade.
 - b. White vitreous china.
 - c. Toilet: Elongated bowl, open front seat no lid, 1.6 pgf.
 - d. Urinal: Elongated rim, 1.0 pgf.
 - e. Toilets - floor mount floor outlet or wall hung back outlet with chair carrier.

2. Restroom Sinks:
 - a. Drop-in or wall hung with carrier, white vitreous china, self-rimming.
 - b. Commercial grade.
 - c. Single bowl.

3. Laundry & Break Room Counter Mounted Sinks:
 - a. 18-gage stainless steel, three holes, self-rimming, undercoated.
 - b. Size: 15x17 inches.

4. Restroom Faucet & Trim:
 - a. Single lever metal handle, ceramic control cartridge, grid strainer, tail piece and p-trap assembly.
 - b. Polished chrome finish.

5. Break Room Faucet:
 - a. Gooseneck spout, ceramic cartridge, grid drain, tail piece and p-trap assembly.
 - b. 5" reach by 9" high.
 - c. Metal lever handles.
 - d. Polished chrome finish.

6. Shower Faucet:
 - a. Polished chrome finish.
 - b. Single lever water control.
 - c. Hand held showerhead.

7. Laundry Faucet and Trim:
 - a. Gooseneck spout, ceramic cartridge, swing spout for Double bowl units, threaded outlet with vacuum breaker Strainer body with plug, tail piece and p-trap
 - b. Polished chrome finish.

8. Utility Sink-Free Standing or Wall Hung Laundry Style:
 - a. Fiberglass or molded stone 25"x22"x13" deep.
 - b. Wall mount brackets or leg mount.



Drop-In Sink-Bathroom Example

Summary (cont.):

9. Bathtub/Shower Unit:
 - a. Fiberglass tub and surround-2 piece.
 - b. Tub size 30" x 60".
 - c. Off-white or neutral color.

10. Bathtub/Shower faucet set:
 - a. Polished chrome finish.
 - b. Single lever metal handle.
 - c. Pressure-balancing mixing valve.
 - d. Diverter spout.
 - e. 2.5 gpm shower head with bent arm and flange.

Approved Manufacturers:

1. American Standard, Inc.
1 Centennial Ave.
Piscataway NJ 08855
(732) 980-3000
www.americanstandard.com

2. Elkay Manufacturers Corporation
2222 Camden Court
Oak Brook, IL 60523
(630) 574-8484
www.elkay.com

3. Zurn Industries
1801 Pittsburg Ave.
Erie, PA 16514
(814) 455-0921
www.zurn.com

4. Kohler Co.
444 Highland Dr.
Kohler, Wisconsin 53044
(800) 456-4537
www.kohlerco.com



**Laundry/Break Room Sink
Example**

3000 RELATED PRODUCT SPECIFICATIONS

16510 - LIGHTING

Summary:

1. Accent Lighting-Wall Sconces:
 - a. Chrome, brass or painted metal finish to match walls.
2. Fluorescent Lighting:
 - a. 2'x2' recessed or surface mounted.
 - b. 2'x4' recessed or surface mounted.
 - c. 4-foot surface mounted with acrylic lens.
 - d. Suspended indirect.
 - e. Recessed cans.

Approved Manufacturers:

1. Lithonia Lighting
P.O. Box A
Conyers, GA 30012
(770) 922-2000
www.lithonia.com
2. Cooper Lighting
Customer First Center
1121 Highway 74 South
Peachtree City, GA 30269
(770) 486-4801
www.cooperlighting.com
3. Columbia Lighting
3808 N. Sullivan Road
Spokane, WA 99216
(509) 924-7000
www.columbia-ltg.com
4. Prescolite
1251 Doolittle Drive
San Leandro, CA 94577
(510) 562-3500
www.prescolite.com



Wall Sconce Example

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