



**US Army Corps of Engineers**  
Engineering and Support Center, Huntsville

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# STANDARD DESIGN CRITERIA CHILD DEVELOPMENT CENTERS FOR CHILDREN AGES 6 WEEKS – 5 YEARS

SMALL	126 CAPACITY
MEDIUM	232 CAPACITY
LARGE	338 CAPACITY

## ROOM BY ROOM DESCRIPTIONS

[September 15, 2010](#)

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**Standard Design Criteria  
 Child Development Centers  
 (For Children 6 Weeks – 5 Years)**

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**General Requirements:**

- The Child Development Center shall have a residential scale and feeling, but shall be of commercial construction standards.
- All 0-5 CDC facilities shall be protected by an automatic fire suppression system and full detection system to include closets and all conditioned spaces except the kitchen.
- A recycling room may be included in the facility. However, the space must be taken entirely from the Mechanical Room as there is no extra space elsewhere. This room shall open into the corridor and be provided with a door with a half height window.
- Unless noted otherwise in this document, all ceiling heights shall be a nominal 8'-0". Furr-down over the Central Counter may be lower than 8'-0", but no less than 7'-0".
- All exterior doors from the facility shall not have a step in order to allow movement of evacuation cribs in the case of an emergency. The exterior pathways from activity room and corridor doors shall meet ADA requirements and be appropriate for crib evacuation.
- Any Activity Room with a Diaper Changing Station shall have an exterior door hold-open device as part of the self closing device.
- Impermeable wall finishes, such as vinyl wall covering, are not acceptable.
- Corner guards are to be provided on all outside corners of interior walls.
- Radius corners shall be provided on all millwork up to 48" AFF. The intent is to eliminate all sharp corners.
- Unless noted otherwise, interior walls between rooms shall be provided with acoustical batt insulation, or other approved system, to obtain an STC rating of at least 40. Unless noted otherwise, ceiling CAC ratings shall be a minimum of 38.
- Where exterior windows are provided the following requirements shall be met. Shall comply with ATFP requirements. Salient characteristics include easy to clean and able to withstand continuous use. Individual windows shall be single hung, with only the top portion operable; bottom sash shall be fixed. Insect screens shall be provided. Secure insect screens with interior metal clips to preclude children from removing the clips. Windows shall comply with the Army Standard. A minimum of 2 exterior windows shall be provided in each activity room.
- Safety glass shall be provided with a manufacturer's label indicating that the glass is safety glass.
- Refer to the Army Standard for additional information on View Windows and Vision Panels. View Windows extend from 18"-24" above the floor to the height of the top of the door. Vision Panels extend from 54" above the floor to the height of the top of the door.
- The Staff of the CDC shall have complete control of the HVAC Systems in order to be able to maintain the comfort of the children during unpredictable hours of operation.

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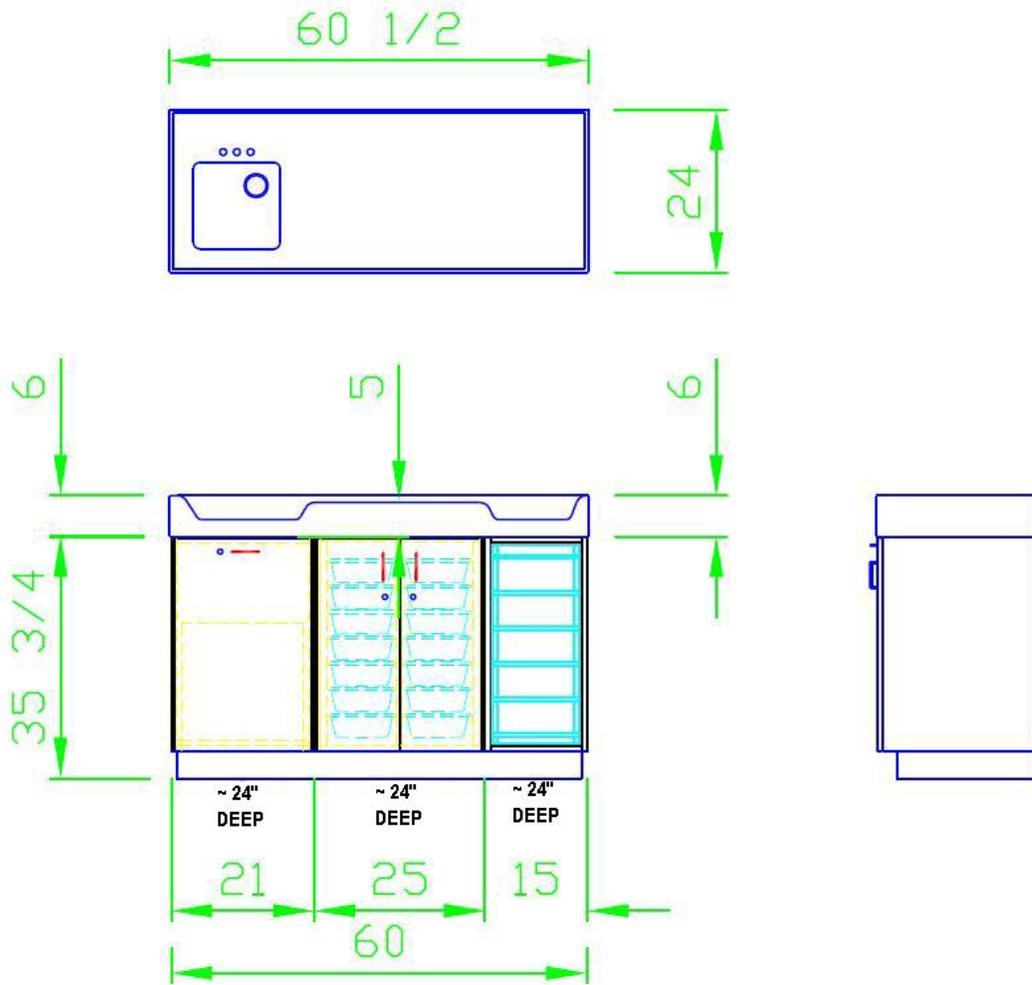
- Wall mounted receptacles shall generally be mounted 18” above finished floor unless otherwise noted. Above counter receptacles shall be mounted in the vertical wall space above the counter-top unless otherwise noted.
- Lighting in the Activity Rooms shall be provided with multi-ballast fixtures to provide lighting flexibility. Lighting shall be controlled by switches located at room entrance door and at the direct exit to the outside.
- Due to child protection regulations, automatic motion light switches are allowed only in the Mechanical, Electrical, and Communication Rooms (rooms that are not accessible to users and staff of the CDC).
- Per code, emergency lighting shall be provided in the Mechanical Room.
- Provide mass notification system in accordance with UFC 4-021-01.
- Electrical circuit breaker panels may be located in the corridors if they are provided with locks.
- Where ceramic or quarry tile is provided, grout shall be non-staining and resistant to liquid absorption.
- In storage rooms where shelves are provided, interior shall be marked with a red line 1 inch in width and located 18 inches below the lowest point of the sprinkler head.
- All caulking used inside the building shall be USDA or NSF approved caulking.
- GFCI outlets shall be installed per electrical code.
- Showers and changing rooms are NOT allowed due to child abuse concerns.
- Toilet partition doors shall include latching hardware, but shall not include coat hooks.
- The maximum temperature for the hot water in child accessible areas is 110 degrees F. Water temperature in the laundry and the kitchen is required to be 140 degrees F, but the pots and pan sink and the dishwasher require 180 degrees F water.
- Automatic flushing toilets and automatic sink faucets are not allowed in child toileting areas.
- If automatic flushing toilets are used in adult toilets, the sensors must be hard wired and not battery operated.
- The child size toilets are available from only a couple of manufacturers, and are in limited stock. There is a possibility these will be a long lead item. Substitutions of larger toilets will NOT be accepted. Please take long lead times into consideration when ordering.
- The building may be rotated or mirrored on the site.
- CORRECTIONS TO THE ARMY STANDARD:

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The following items are clarifications or updates to the information in the Army Standard. Where there is a conflict between the information in subparagraphs through below and the Army Standard, the information below governs.

- a. The finish schedule on page 10 replaces the finish schedule provided as guidance in the Army Standard.
  - b. In the references listed in the Army Standard, replace “AR 415-5 – Appendix L” with “AR 420-1, Section VII.
  - c. CCTV requirements at the Control Desk (Central Counter/Reception Desk in the Army Standard) are provided in this document.
  - d. The requirement for automatic motion light switch in the storage rooms has been updated in this document. As stated above, automatic motion light switches are only permitted in spaces that are not accessible by CDC staff or patrons (Mechanical, Electrical, and Communication Rooms).
- The typical Diaper Changing Station is illustrated below. The diagrams and photos are not meant to illustrate a specific model or manufacturer, but instead illustrate the desired sizes and features:

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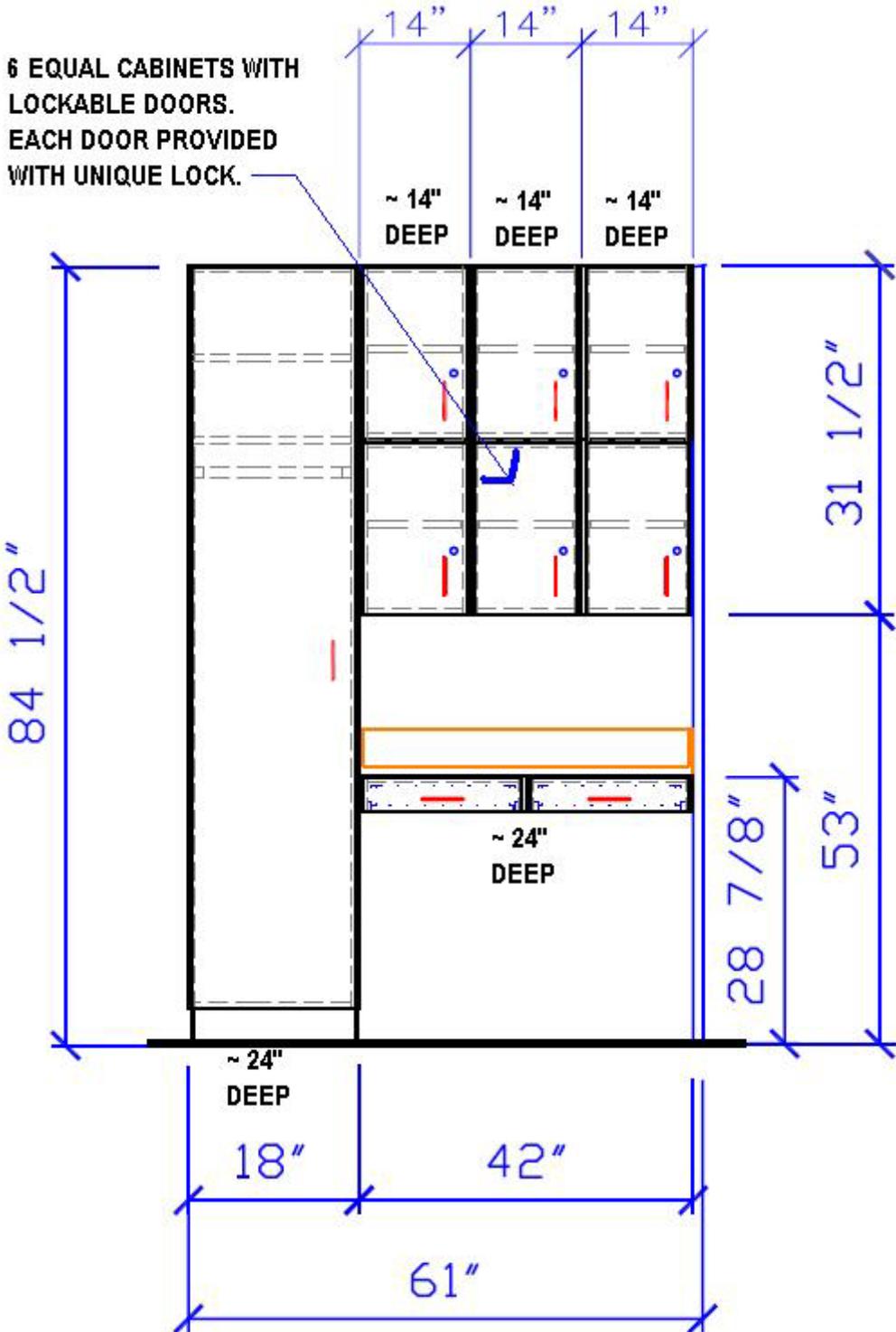


Place mirror on this wall area.



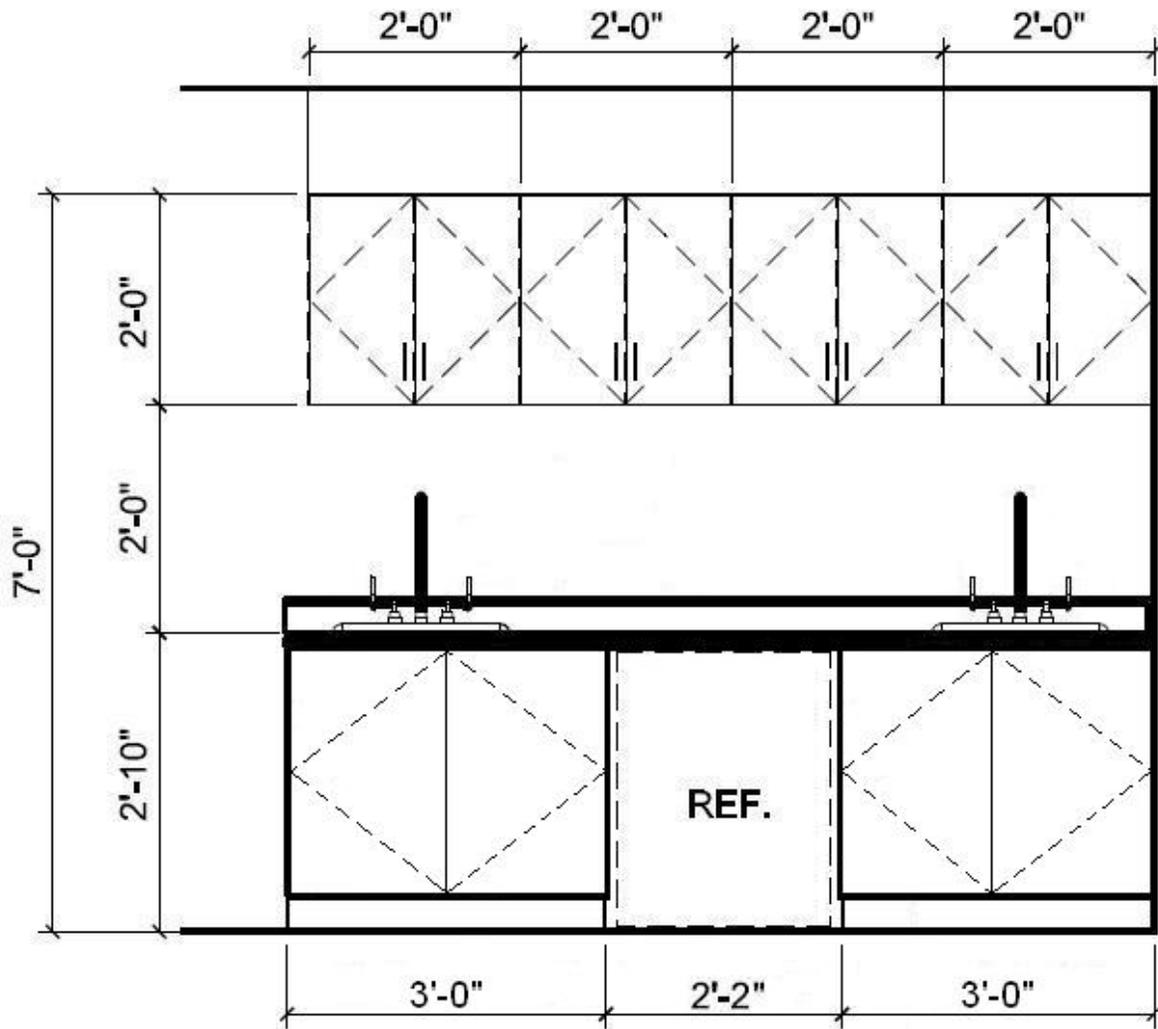
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- The typical Sign-in Desk in the Activity Rooms is illustrated below:



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- A recommended solution for the Food Prep/Arts and Crafts cabinets in the Activity Rooms is shown below:



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**MINIMUM ROOM FINISH SCHEDULE REQUIREMENTS**

<b><u>SPACE</u></b>	<b><u>FLOOR</u></b>	<b><u>WALL (*)</u></b>	<b><u>CEILING</u></b>
<b>ADMINISTRATION</b>			
ENTRY	VCT	EPGB	ACT, PTD
WAITING AREA	VCT	EPGB	ACT
RECEPTION COUNTER	VCT	EPGB	ACT, PTD
PRIVATE OFFICES	VCT	PTD	ACT
OPEN OFFICE	VCT	PTD	ACT
ISOLATION ROOM	SV	EPGB	ACT
ISOLATION TOILET	CT	CT	ACT
<b>STAFF SUPPORT</b>			
STAFF LOUNGE	VCT	EPGB	ACT
TRAINING ROOM	VCT	EPGB	ACT
PUBLIC TOILETS	CT	CT	ACT
ADULT TOILETS	CT	CT to 48" AFF/ EPGB above 48"	ACT
<b>SUPPORT AREAS</b>			
LAUNDRY	QT	EPGB	EPGB
JANITOR	QT	CT	VACT
CORRIDORS	VCT	EPGB	ACT
MECHANICAL	SC	PTD	PTD
COMMUNICATIONS	SC	PTD	PTD
ELECTRICAL	SC	PTD	PTD
KITCHEN	QT	See section 23 below	VACT
<b>CHILD ACTIVITY ROOM</b>			
CHILD ACTIVITY ROOMS	SV	EPGB	ACT
CHILD TOILET AREAS	CT	CT/EPGB	ACT

**LEGEND:**

SV – SEAMLESS VINYL FLOORING  
 CT – CERAMIC TILE  
 QT – QUARRY TILE  
 VCT – VINYL COMPOSITION TILE  
 CA - CARPET  
 SC – SEALED CONCRETE  
 PTD – PAINTED GYPSUM WALLBOARD  
 EPGB – EPOXY PAINTED GYPBOARD  
 VACT – VINYL FACED ACOUSTICAL CEILING TILE (MOISTURE RESISTANT) (2 ft x 2 ft)  
 ACT – ACOUSTICAL CEILING TILE (2 ft x 2 ft)

(\*) **Base:** Will be appropriate to the flooring. Base to be sealed with USDA approved caulk (Edible)

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**TOILET ACCESSORY SCHEDULE**

<b>FIXTURE TYPE</b>	<b>ADULT TOILETS</b>	<b>ACTIVITY ROOM CHILD TOILETS</b>	<b>ACTIVITY ROOM LAVATORIES (sinks)</b>	<b>DIAPERING STATIONS</b>	<b>FOOD PREPARATION</b>	<b>ISOLATION TOILET</b>
Mirror+	X		X			
Paper Towel Dispenser*	X		X	X	X	X
Trash Receptacle (user provided)	X		X	X	X	X
Soap Dispenser*	X		User provide store purchase pump soap	User provide store purchase pump soap	X	X
Coat Hook	X					
Toilet	X	X				X
Tissue Dispenser*						
Handicap Grab Bars	X					X child height ADA

\* Soap, toilet paper and paper towel dispensers – coordinate with the installation and provide in accordance with the service contract. Store bought soap in pump bottles to be used in child activity rooms.

+ Mirrors above children’s sinks must be unbreakable

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**1. SPACE: Entry**

- **FUNCTIONAL DESCRIPTION:** Minimize mechanical air transfer of high traffic doors. Flooring serves to promote cleanliness by removing excess dirt from shoes. High traffic area for patrons with strollers, etc.
- **ADJACENCIES:** Entry shall be on direct path from parking and drop-off areas. The entry shall have direct visual contact with the reception desk for access control.
- **OCCUPANTS:** CDC users.
- **MINIMUM AREA:** 75 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, durable (able to withstand wet and dirty conditions), easily repairable, and easy to maintain. Flooring shall be non-slip. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include resistance to environmental conditions, such as changes in air pressure and high humidity, and shall be durable.
- **DOORS/FRAME:** Salient characteristics include easy to clean, ability to withstand continuous use, easy to maintain and repair, and compliance to building codes. Two sets of storefront double 3 foot by 7 foot doors, with flush panic hardware, shall be provided on the outside and inside of the entry vestibule. To ensure maximum visibility, doors shall be fully glazed. Doors shall be provided with closers.
- **ENTRY DOOR REQUIREMENTS:**
  - **SPECIAL HARDWARE AND ELECTRICAL REQUIREMENTS:** Provide buzzer type access system at entry including following features:
    1. Buzzer that sounds at reception desk.
    2. Intercom system for communication between reception desk and entry.
    3. Electronic lock system.Features of electronic lock system shall include:
    1. Control of access into facility at reception desk.
    2. Manual override of electronic lock by key from the outside.
    3. Manual override to allow the doors to unlock from the interior.
    4. Ensure the locking mechanism does not negate the use of the panic hardware during emergency evacuation. The fire department shall be provided with a key to the manual override.
  - **AUTOMATIC DOOR OPERATION REQUIREMENT:** Provide ADA approved automatic door operators at outer and inner doors for handicapped accessibility. The automatic door operators at inner door shall be interlocked with Buzzer Access System controls.

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- **SPECIAL ELECTRICAL REQUIREMENTS:** Provide a buzzer at inner set of doors that sounds at the reception desk. Provide intercom connection with Reception Desk. Provide power for lock mechanism at inner doors.

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**2. SPACE: Waiting Area**

- **FUNCTIONAL DESCRIPTION:** A waiting area for parents, children, and visitors. High traffic area for patrons with strollers, etc. Provides an area for seating.
- **ADJACENCIES:** Shall be adjacent to the central reception desk and the entry. Shall also have direct access to the public toilets.
- **OCCUPANTS:** Parents, children, and visitors.
- **MINIMUM AREA:** Small: 100 SF, Net. Medium: 260 SF, Net. Large: 260 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, durable, easily repairable, and easy to maintain. A base material, appropriate for the flooring material used, is required
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall material shall have the ability to absorb pushpins. Wall surface shall be able to withstand tape peeling.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects. A “designer” ceiling system may be used in this area.
- **PLUMBING:** Provide a total of 2 electric water coolers, one adult ADA height, and one at 20” AFF.
- **ELECTRICAL:** Hospital grade, tamper resistant safety electrical outlets shall be placed at 18” above finished floor. Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.)
- **SPECIAL REQUIREMENTS:** A CCTV (security video) monitor shall be mounted on the wall so that it is visible from the reception desk, as shown in the Security and Monitoring Plans.

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**3. SPACE: Central Counter/Reception Desk**

- **FUNCTIONAL DESCRIPTION:** The main access control point with direct visual contact with the entry, waiting area, and public toilets. This area will view/observe the flow of children, parents, and visitors. Patrons will sign in/out. Payments are received at the desk. Location of central intercom system, along with the location of the front (entry) door buzzer and electronic lock release. The central intercom system shall be able to contact each room individually, or all rooms at one time. A duress alarm shall be provided, which must alert the MP station. The desk provides direct line of sight of the isolation area and toilet. Area shall accommodate computers, printers, fax machine, copier, etc.
- **ADJACENCIES:** Adjacent to waiting area and entry. Shall have direct visual control of the entry. Shall have direct visual and physical access to the Isolation Area and Isolation Toilet. Shall have direct, controllable access to corridor. The desk shall have visual oversight of CCTV (video security) monitor which is located in the waiting area. A general office storage room shall be accessible from this area or from the Open Office area.
- **OCCUPANTS:** CDC Staff
- **MINIMUM AREA:** Small: 90 SF, Net. Medium: 130 SF, Net. Large: 130 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, durable, and easy to maintain and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall surface shall have the ability to absorb pushpins and to withstand tape peeling.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects. Shall have a minimum CAC rating of 40. A “designer” ceiling system may be used in this area.
- **DOORS/FRAME:** Salient characteristics include durability. Counter height swing gates are required. Gates to match reception desk in finish and material. Swing of gate shall not interfere with corridor traffic.
- **CABINET CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain and repair. Cabinets shall be durable and be able to withstand impacts from carts, strollers, buggies, etc., without showing damage. Cabinets shall be a minimum of Architectural Woodworking Institute (AWI) 400B, Custom Grade. Counter tops shall be provided at both standing height and ADA height. Work surfaces behind counter tops shall be at standard working height, and shall allow for mobile pedestals to be placed under the work surface. Do not provide built-in pedestals or drawers other than pencil drawers noted below. Countertop shall be appropriate as a writing surface, and shall be solid surfacing. For safety, all edges, vertical and horizontal, shall be eased or rounded. No sharp edges may be provided. Two equally spaced grommets with covers shall be provided in each of the raised counter areas. Grommets with covers are to be provided in the lower counter area directly below the grommets in the upper counter. In addition, one grommet

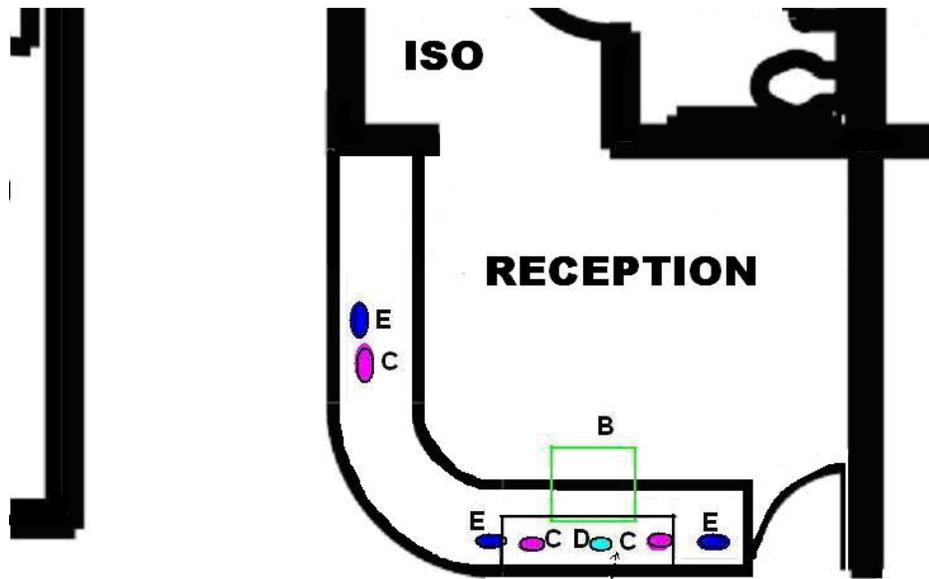
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with cover shall be provided in the lower counter on the side where no upper counter is provided. One pencil drawer shall be built-in in the small facility, and two pencil drawers shall be provided in the medium and large facility. Area between upper and lower work surfaces shall be closed. See drawings below for recommended outlet, grommet, pencil drawer, and standing height counter locations.

- **ELECTRICAL:** A minimum of 3 quad outlets shall be provided in the small, 5 quad outlets in the medium and large. In addition, a duplex outlet shall be provided in each area with the raised counter for convenience. A minimum of 3 data outlets shall be provided in the small, and 5 in the medium and large. These electrical and data outlets shall be located evenly spaced along the reception counter, and are in addition to the wall outlets required by code. If outlets are provided on the wall opposite of the reception desk, in the public area, these outlets shall be hospital grade, tamper resistant, safety electrical outlets mounted 54" above finished floor.

Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.)

- **SPECIAL REQUIREMENTS:** Reception desk shall be delineated through the use of special lighting and architectural features, such as furr-downs, etc. An intercom system shall be provided with the buzzer to allow communication with the entry vestibule. A duress alarm must be provided – provide conduit, cabling, electrical, and the capability to tie directly into the MP station.



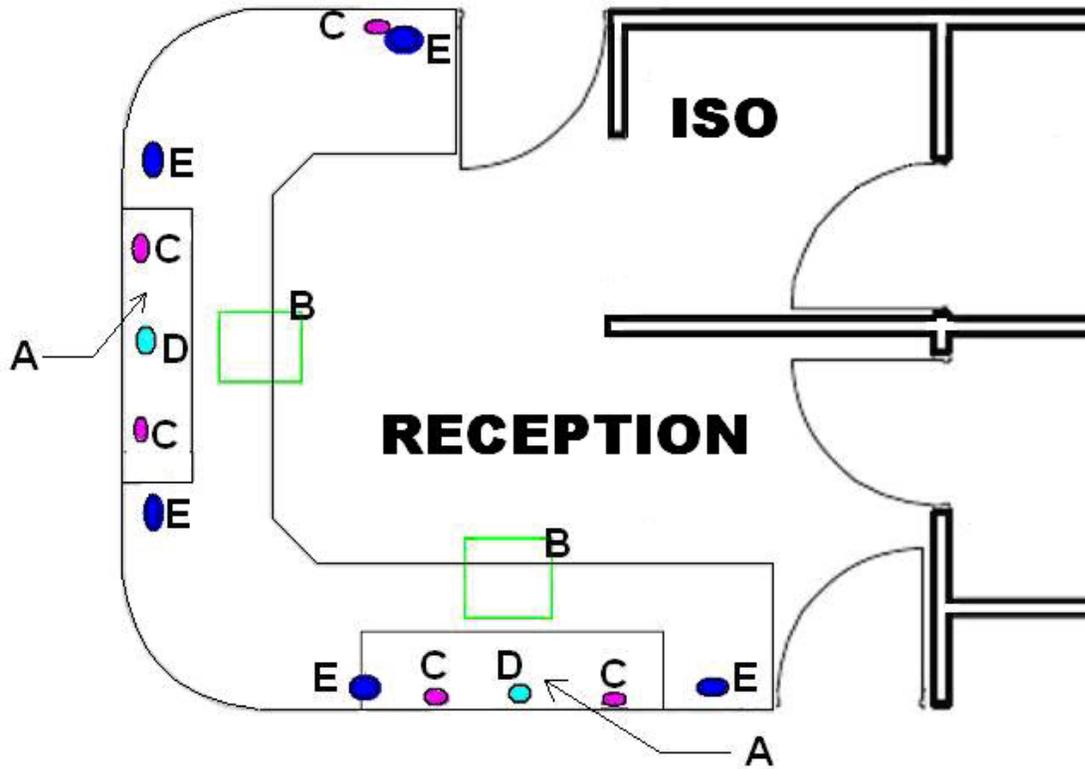
- A - Upper Worksurface
- B - Pencil Drawer
- C - Grommets in both upper and lower worksurface (where upper worksurface is provided with grommet, align grommet in lower worksurface vertically)
- D - Electrical outlet provided between upper and lower worksurface
- E - Quad outlets near floor. Provide data outlets in same general area.

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Recommended counter arrangement – Small facility

NOTE: Data outlets indicate both voice and data.

- A - Upper worksurface
- B - Pencil Drawer
- C - Grommets in both upper and lower worksurface (where upper worksurface is provided with grommet, align grommet in lower worksurface vertically).
- D - Electrical outlets provided between upper and lower worksurfaces.
- E - Quad outlets near floor. Provide data outlets in same general area.



Recommended counter arrangement – Medium and Large facility

NOTE: Data outlets indicate both voice and data.

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**4. SPACE: Admin Storage**

- **FUNCTIONAL DESCRIPTION:** General storage for office supplies and other supplies.
- **ADJACENCIES:** Located adjacent to the Reception Desk and/or Open Office Area. Other storage rooms shall be adjacent to the areas they serve (such as Training Room, etc.)
- **OCCUPANTS:** CDC Staff
- **MINIMUM AREA:** Small: 25 SF, Net, total. Medium and Large: 40 SF, Net, total.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to repair, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be provided with self-closing device. Doors shall be a minimum of half-height glass.
- **SPECIAL REQUIREMENTS:**
  - (a) A minimum of 4 adjustable shelves with heavy duty standards and brackets will be provided. Provide shelves on as many walls of the storage rooms as possible while maintaining adequate circulation space. Shelving shall be able to support 100 pounds per lineal foot.
  - (b) Space for a 1.7 – 2.0 cu. ft. refrigerator for medication, with electrical outlet, is required in the storage room closest to the isolation area. Door shall be lockable.

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**5. SPACE: Isolation Area**

- **FUNCTIONAL DESCRIPTION:** Serves as a rest area for sick children.
- **ADJACENCIES:** Shall be adjacent to the Isolation Toilet and the Reception Desk. Shall be within direct observation of the reception area staff.
- **OCCUPANTS:** Sick child and 1 staff.
- **MINIMUM AREA:** 53 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include seamless, easy to clean and maintain. A base material, appropriate for the flooring material used, is required. Base shall be seamless except at inside corners. Base shall be sealed to floor with USDA or NSF approved caulking.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall surface shall have the ability to absorb pushpins and to withstand tape peeling.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **ELECTRICAL:** All electrical outlets shall be mounted 54" above the finish floor, and shall be Hospital grade, tamper resistant safety type.
- **SPECIAL REQUIREMENTS:** Required Items: Space for small cot and a lockable wall cabinet for first aid supplies.

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**6. SPACE: Isolation Area Toilet**

- **FUNCTIONAL DESCRIPTION:** ADA compliant toilet room for use by sick children. Surfaces will be subjected to strong disinfectants on occasion.
- **ADJACENCIES:** Shall be adjacent to the Isolation Area.
- **OCCUPANTS:** Sick child and staff.
- **MINIMUM AREA:** 45 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. On all walls, a minimum 48" tall wainscot is required that is impervious to water and be able to withstand daily sanitizing.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. One 3' x 7' door is required, and door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked.
- **HVAC:** Local exhaust vent above toilet.
- **PLUMBING:** Provide a single occupant child height ADA wall-mounted lavatory (20" to rim) and floor-mounted water closet (15" to rim) with grab bars. Room shall be provided with a floor drain. Due to the limited use of this space, floor drain shall be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design.
- **ELECTRICAL:** Provide 1 (one) GFCI outlet near the lavatory. Outlet shall be mounted 54" above the finish floor, and shall be Hospital grade, tamper resistant safety type.

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**7. SPACE: Administrative Offices**

- **FUNCTIONAL DESCRIPTION:** Offices for the CDC management staff. Includes a private office for the CDC Director, a private office for the CDC Assistant Director, and an open office area.
- **ADJACENCIES:** Shall be adjacent to the Waiting Area and Reception Desk. Private office shall open off of the Open Office area. A general office storage room shall be accessible from this area or from the Reception Desk.
- **OCCUPANTS:** CDC staff members.
- **MINIMUM AREA:**  
Director's Office: 120 SF, Net.  
Assistant Director's Office: 90 SF, Net.  
Open Office: Small: 130 SF, Net. Medium: 300 SF, Net. Large: 300 SF, Net. (Includes circulation to the private offices.)
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to repair, easy to maintain, and durable. Wall material shall have the ability to absorb pushpins. Wall surface shall be able to withstand tape peeling.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors into the Director's Office and the Assistant Director's Office shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be provided with self-closing device. Doors shall be a minimum of half-height glass and shall be provided with a 12" wide sidelite.
- **ELECTRICAL:** Multiple electrical and voice/data outlets spaced 5' apart to be provided in all administrative offices/open office area to accommodate computers and other office equipment. A CCTV (video security) monitor will also be located in the Director's office.  
  
Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.)
- **DESIGNER OPTION:** If desired by the installation, one or two more private offices, not to exceed 90 net square feet, may be provided in the open office area. The addition of these offices shall not affect the arrangement or size of any other function or space.

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**8. SPACE: Infant/Pre-Tod/Toddler Activity Room**

- **FUNCTIONAL DESCRIPTION:** Activity Room which functions for child care, that includes eating, sleeping, playing, and other activities.
- **ADJACENCIES:** Shall be adjacent to the corridor and shall have direct access to the exterior. Direct access to age-appropriate playground is also required. Shall have direct access to storage room.
- **OCCUPANTS:** Two Program Assistants and a maximum of 14 Children (depending upon age of children).
- **MINIMUM AREA:** Minimum Program Area of 490 net SF, which is approximately 626 net square feet. Program Area may NOT be any less than net 490 SF. See attached drawing for calculation of net Program Area. Hatched area indicates portions of room that can be included in the minimum net Program Area. Program area is NOT the same as net area or gross area.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include seamless, easy to clean and maintain. A base material, appropriate for the flooring material used, is required. Base shall be seamless except at inside corners. Base shall be sealed to floor with USDA or NSF approved caulking.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall material shall have the ability to absorb pushpins. Wall surface shall be able to withstand tape peeling. Where drinking fountains and/or lavatories are provided within the Activity Room space, a minimum 48" tall wainscot that is impervious to water and able to withstand daily sanitizing is required. This material shall extend to the floor and at least 18" horizontally in both directions from the centerline of the equipment.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with finger guards at the hinges, on the Activity Room side, up to a minimum height of 48". Finger guard shall be roll type. On exterior doors, finger guards shall not conflict with weather stripping. Interior doors shall be a minimum of half-height glass, with a clear width opening of 34 inches and shall be provided with a 12-inch wide side lite on the latch side of the door. Exterior door shall be provided with flush panic hardware, shall have a clear width opening of 34 inches, open at least 110 degrees to ensure ease of crib emergency evacuation, and direct exiting onto the outdoor play space. Interior and exterior doors shall swing in the direction of exit travel. Door thresholds and hardware will be designed to facilitate the exit of a crib containing five infants by a single adult. The thresholds will have a low profile. Doors shall be provided with self-closing device.

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- **VISION PANELS/VIEW WINDOWS:** Shall be in accordance with the Army Standard. At least 1 view window must be provided between this space and the corridor. In addition, not less than 2 vision panels must be provided between the activity space and the corridor.
- **CABINETRY:** Salient characteristics include easy to clean, maintain, and repair. Cabinets shall be durable and be able to withstand impacts (examples: food carts, push toys, etc.), without showing damage. Cabinets shall be a minimum of Architectural Woodworking Institute (AWI) 400B, Custom Grade, High Pressure Laminate clad. Counter top shall have integral back splash, and shall be solid surfacing, solid phenolic, or better. Counter tops of cabinets will have rounded/radius corners and edges.
  - (a) A 3'-6" wide sign-in desk with 6 lockable storage units ([each keyed separately](#)) in an overhead cabinet, and an adjacent 18 inch wide coat closet. Refer to illustrations under General Requirements.
  - (b) 8 foot wide base and wall cabinets with 2 stainless steel sinks. Sinks shall be separated as much as possible, and shall be provided with gooseneck faucets. Sink bowls shall be a minimum of 21" W x 15-3/4" D x 8" H. Space shall be provided for an undercounter refrigerator. Consider providing 2 – 36" W base cabinets with a 2' space between for the refrigerator. Base cabinets shall be lockable, and may not have a protruding handle. All base cabinets in the facility shall be keyed alike.
  - (c) 14-15 pre-school cubbies, 8"-12" wide x 15" deep x 46"-49" tall permanently attached to walls (pre-manufactured). Provided by Building Contractor.
  - (d) One diaper changing station approximately 2 foot wide by 5 foot long cabinet with sink integral to diaper changing surface, and retractable stairs. Refer to illustrations under General Requirements. Provided by Building Contractor.
- **HVAC:** An exhaust providing 100 to 150 cubic feet per minute shall be provided directly over the diaper changing station. Room temperature shall be measured and maintained at 1 foot above finished floor. Temperature will be designed for 68 °F in the winter and for 78 °F in the summer.

Humidity Control. A relative humidity of between 35 and 50 percent will be maintained in CDC child activity rooms to prevent drying of mucous membranes, to control the spread of diseases, and to prevent mold growth.

- **ELECTRICAL:** All electrical outlets, except for those mounted above countertops, shall be mounted 54" above the finish floor, and shall be Hospital grade, tamper resistant safety type. Outlets provided above countertops shall be located no less than 18" from the edge of the countertop. Two electrical outlets to be provided above the backsplash (food preparation/art counter/sink), one over each open counter area. Electrical outlet to be provided for under the counter refrigerator. Electrical outlet, data port and intercom phone connection at sign in desk to be provided. Provide task lighting at sign in desk, installed on underside of upper cabinets. A minimum of 1 (one) outlet will be provided above the cubbies in the program area and will be mounted horizontally. A minimum of 3 (three) duplex outlets will be installed, evenly spaced, on the exterior wall and the wall opposite the toilet area. In addition, provide 2 (two) voice/data outlets in the activity area. A minimum of 5 (five) blank outlet covers will be provided but not installed.

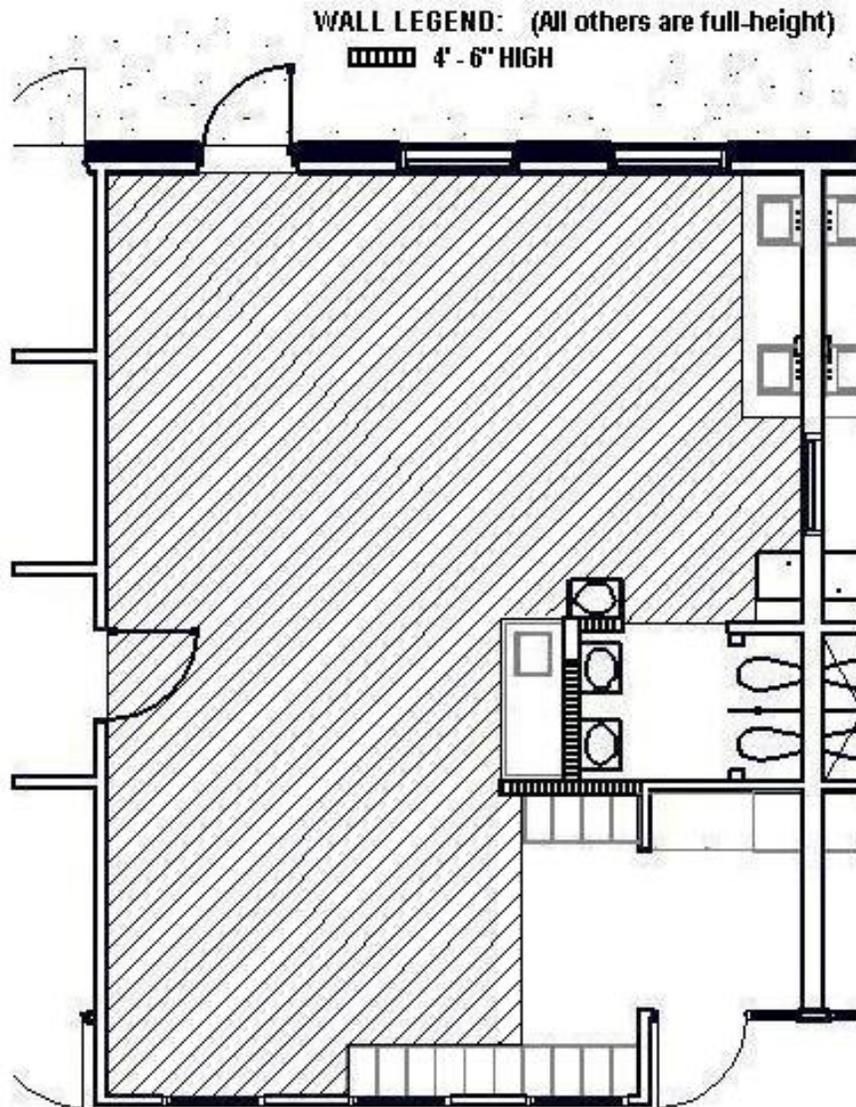
Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.) Lighting within the child activity

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rooms must; sign-in desk and toilet be zoned together; and either an additional 2 zones or lamp control within the activity space, to allow different lighting levels for nap time and activity times. A minimum of .1 foot candle must be maintained in the activity room to allow for camera operation.

In rooms where cribs will be located, electrical outlets shall be provided and shall be wired for future receptacles, but will be provided with blank outlet plates. This will be coordinated with the users during design. The receptacles shall be provided to the building users.

- **PLUMBING:** A drinking fountain (non-refrigerated, similar to Halsey Taylor model HRFGE) is required on the wall between the toilet area and the cabinets, mounted so that top of drinking fountain is 17" above finished floor. Plumbing for toilet/lavatory area, diaper changing table, and food preparation/art counter/sink area is also required.



**Infant/Pre-Tod/Toddler Activity Room**

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**Net Program Area**

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**9. SPACE: Infant/Pre-Tod/Toddler Storage Room**

- **FUNCTIONAL DESCRIPTION:** Storage room to support the Infant/Pre-Tod/Toddler Activity Room.
- **ADJACENCIES:** Shall be directly accessible from the Activity Room
- **OCCUPANTS:** CDC Staff.
- **MINIMUM AREA:** 45 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with self-closing device. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be a minimum of half-height glass.
- **ELECTRICAL:** A minimum of 1 (one) electrical outlet is required.
- **SPECIAL REQUIREMENTS:** A minimum of three adjustable shelves with heavy-duty standards and brackets will be provided on 3 walls. At least one 18" deep shelf and two 12" deep shelves shall be provided. Shelving shall be able to support 100 pounds per lineal foot

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**10. SPACE: Infant/Pre-Tod/Toddler Toilet Area**

- **FUNCTIONAL DESCRIPTION:** Toilet area for CDC children.
- **ADJACENCIES:** Shall be directly accessible from the Activity Room
- **OCCUPANTS:** CDC Children with staff assistance.
- **MINIMUM AREA:** 38 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. On all walls, a minimum 48" tall wainscot is required that is impervious to water and be able to withstand daily sanitizing.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **TOILET PARTITION:** Salient characteristics include easy to clean and maintain, and shall be durable. Top of toilet partitions shall be no higher than 42" tall with 12" clear opening at bottom. Floor mounted partitions are preferred. Partitions shall be color-through phenolic. If ceiling hung partitions are requested, partitions shall be color-through phenolic or solid plastic.
- **PLUMBING:** Two (2) pediatric floor mounted water closets (10" to rim), and two (2) child wall mounted lavatories (17" to rim) to be located opposite the water closets. A floor drain is required in this area that shall be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. An additional child-height wall mounted lavatory to be provided on the other side of the wall, directly accessible from the activity area, as shown in the previous diagram. Provide continuous, or closed front toilet seats. Dual flush toilets are allowed; however, automatic flush valves are not allowed.

For the sinks in the toilet area (NOT the sinks in the food prep/arts and crafts area), faucets shall be pre-mixed single push control that meets ADA requirements. Water shall run for 15 seconds.

- **HVAC:** An exhaust over the water closet area
- **ELECTRICAL:** No electrical receptacles are allowed in this area.
- **SPECIAL REQUIREMENTS:** Unbreakable lavatory mirrors required above each lavatory.

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**11. SPACE: Preschool/Pre-K/Kindergarten Activity Room**

- **FUNCTIONAL DESCRIPTION:** Activity Room which functions for child care, which includes eating, sleeping, playing, and other activities.
- **ADJACENCIES:** Shall be adjacent to the corridor and shall have direct access to the exterior. Direct access to age-appropriate playground is also required. Shall have direct access to storage room.
- **OCCUPANTS:** Two Program Assistants and a maximum of 24 Children (depending upon age of children).
- **MINIMUM AREA:** Minimum Program Area of 840 net SF, which is approximately 1023 net square feet. Program Area may NOT be any less than 840 net SF. See attached drawing for calculation of net Program Area. Hatched area indicates portions of room that can be included in the minimum net Program Area. Program area is NOT the same as net area or gross area.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include seamless, easy to clean and maintain. A base material, appropriate for the flooring material used, is required. Base shall be seamless except at inside corners. Base shall be sealed to floor with USDA or NSF approved caulking.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall material shall have the ability to absorb pushpins. Wall surface shall be able to withstand tape peeling. Where drinking fountains and/or lavatories are provided within the Activity Room space, a minimum 48" tall wainscot that is impervious to water and able to withstand daily sanitizing is required. This material shall extend to the floor and at least 18" horizontally in both directions from the centerline of the equipment.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with finger guards at the hinges, on the Activity Room side, up to a minimum height of 48". Finger guard shall be roll type. On exterior doors, finger guards shall not conflict with weather stripping. Interior doors shall be a minimum of half-height glass, with a clear width opening of 34 inches and shall be provided with a 12 inch wide side lite on the latch side of the door. Exterior door shall be provided with flush panic hardware, shall have a clear width opening of 34 inches, open at least 110 degrees to ensure ease of crib emergency evacuation, and direct exiting onto the outdoor play space. Interior and exterior doors shall swing in the direction of exit travel. Doors shall be provided with self-closing device.
- **VISION PANELS/VIEW WINDOWS:** Shall be in accordance with the Army Standard. At least 1 view window must be provided between this space and the corridor. In addition, not less than 2 vision panels must be provided between the activity space and the corridor.

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- **CABINETRY:** Salient characteristics include easy to clean, maintain and repair. Cabinets shall be durable and be able to withstand impact (example: food carts), without showing damage. Cabinets shall be a minimum of Architectural Woodworking Institute (AWI) 400B, Custom Grade, High Pressure Laminate clad. Counter top shall have integral back splash, and shall be appropriate solid surfacing, solid phenolic, or better. Counter tops of cabinets will have rounded/radius corners and edges.
  - (a) A 3'-6" wide sign-in desk with 6 lockable storage units ([each keyed separately](#)) in an overhead cabinet, and an adjacent 18 inch wide coat closet. Refer to illustrations under General Requirements.
  - (b) 8 foot wide base and wall cabinets with 2 stainless steel sinks. Sinks shall be separated as much as possible, and shall be provided with gooseneck faucets. Sink bowls shall be a minimum of 21" W x 15-3/4" D x 8" H. Space shall be provided for an undercounter refrigerator. Consider providing 2 – 36" W base cabinets with a 2' space between for the refrigerator. Base cabinets shall be lockable, and may not have a protruding handle. All base cabinets in the facility shall be keyed alike.
  - (c) 24-25 pre-school cubbies, 8"-12" wide x 15" deep x 46"-49" tall permanently attached to walls (pre-manufactured). Provided by Building Contractor.
  - (d) One diaper changing station approximately 2 foot wide by 5 foot long cabinet with sink integral to diaper changing surface, and retractable stairs. Refer to illustrations under General Requirements. Provided by Building Contractor.
- **HVAC:** An exhaust providing 100 to 150 cubic feet per minute shall be provided directly over the diaper changing station. Room temperature shall be measured and maintained at 1 foot above finished floor. Temperature will be designed for 68 °F in the winter and for 78 °F in the summer.

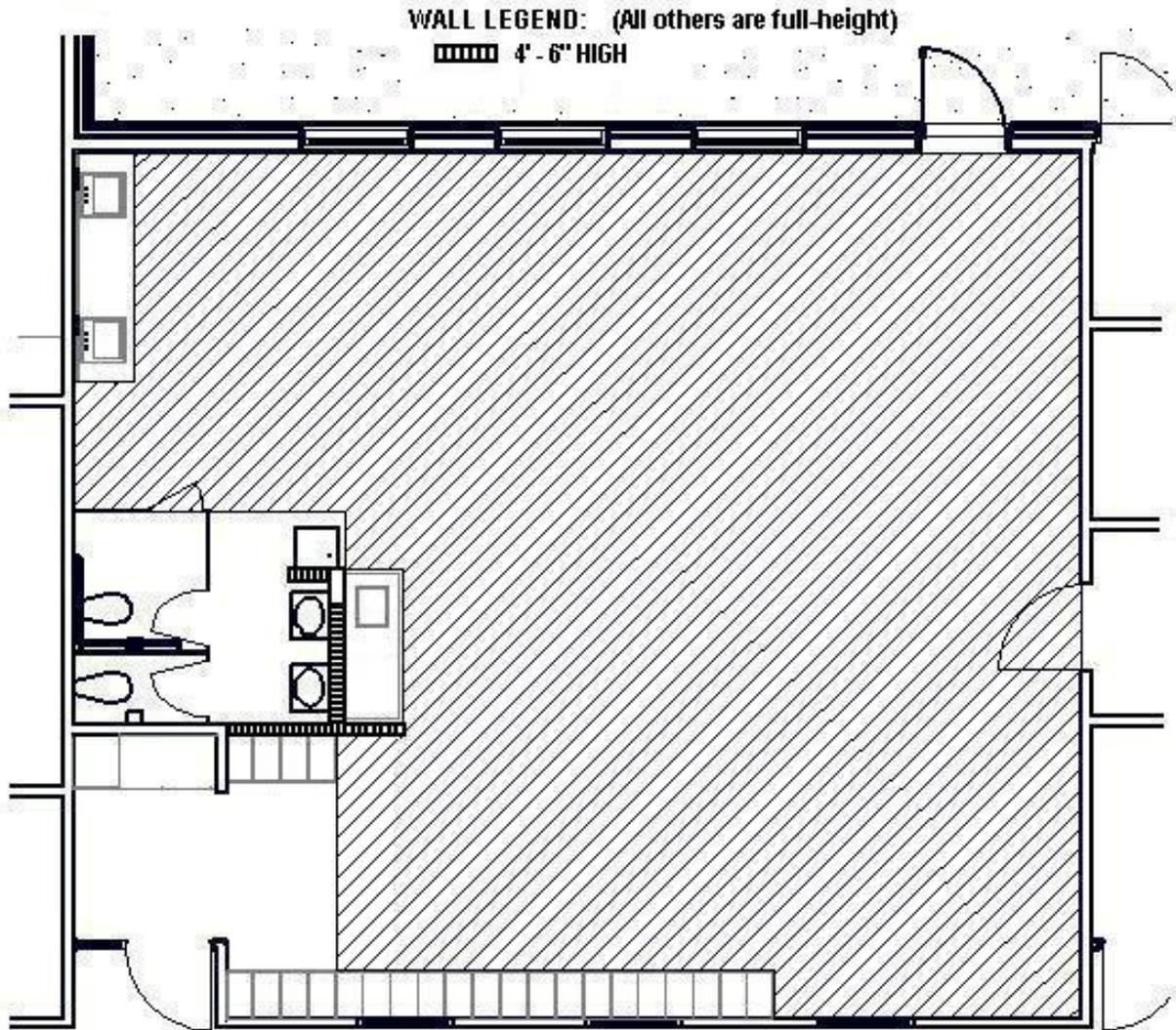
Humidity Control. A relative humidity of between 35 and 50 percent will be maintained in CDC child activity rooms to prevent drying of mucous membranes, to control the spread of diseases, and to prevent mold growth.

- **ELECTRICAL:** All electrical outlets, except for those mounted above countertops, shall be mounted 54" above the finish floor, and shall be Hospital grade, tamper resistant safety type. Outlets provided above countertops shall be located no less than 18" from the edge of the countertop. Two electrical outlets to be provided above the backsplash (food preparation/art counter/sink), one over each open counter area. Electrical outlet to be provided for under the counter refrigerator. Electrical outlet, data port and intercom phone connection at sign in desk to be provided. Provide task lighting at sign in desk, installed on underside of upper cabinets. A minimum of 2 (two) outlets will be provided above the cubbies in the program area and will be mounted horizontally. A minimum of 4 (four) duplex outlets will be installed, evenly spaced, on the exterior wall and the wall opposite the toilet area. In addition, provide 2 (two) voice/data outlets in the activity area. A minimum of 5 (five) blank outlet covers will be provided but not installed.

Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.) Lighting within the child activity rooms must; sign-in desk and toilet be zoned together; and either an additional 2 zones or lamp control within the activity space, to allow different lighting levels for nap time and activity times. A minimum of .1 foot candle must be maintained in the activity room to allow for camera operation.

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- **PLUMBING:** A drinking fountain (non-refrigerated, similar to Halsey Taylor model HRFG-E) is required on the wall outside the toilet area, as shown in the following diagram, mounted so that top of drinking fountain is 20" above finished floor. Plumbing for toilet/lavatory area, diaper changing table, and food preparation/art counter/sink area is also required.



**Preschool/Pre-K/Kindergarten Activity Room**  
**Net Program Area**

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**12. SPACE: Preschool/Pre-K/Kindergarten Storage Room**

- **FUNCTIONAL DESCRIPTION:** Storage room to support the Preschool/Pre-K/Kindergarten Activity Room.
- **ADJACENCIES:** Shall be directly accessible from the Activity Room.
- **OCCUPANTS:** CDC Staff.
- **MINIMUM AREA:** 45 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with self-closing device. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be a minimum of half-height glass.
- **ELECTRICAL:** A minimum of 1 (one) electrical outlet is required.
- **SPECIAL REQUIREMENTS:** A minimum of three adjustable shelves with heavy-duty standards and brackets will be provided on 3 walls. At least one 18" deep shelf and two 12" deep shelves shall be provided. Shelving shall be able to support 100 pounds per lineal foot.

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**13. SPACE: Preschool/Pre-K/Kindergarten Toilet Area**

- **FUNCTIONAL DESCRIPTION:** Toilet area for CDC children.
- **ADJACENCIES:** Shall be directly accessible from the Activity Room.
- **OCCUPANTS:** CDC Children with staff assistance.
- **MINIMUM AREA:** 62 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. On all walls, a minimum 48" tall wainscot is required that is impervious to water and be able to withstand daily sanitizing.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **TOILET PARTITION:** Salient characteristics include easy to clean and maintain, and shall be durable. Top of toilet partitions shall be no higher than 48" tall with 12" clear opening at bottom. Stall doors to be provided. Floor mounted partitions are preferred. Partitions shall be color-through phenolic. If ceiling hung partitions are requested, partitions shall be color-through phenolic or solid plastic.
- **PLUMBING:** Two (2) pediatric floor mounted water closets (13" to rim), and two (2) child wall mounted lavatories (20" to rim) to be located opposite the water closets. A floor drain is required in this area that shall be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. Provide continuous, or closed front toilet seats. Dual flush valve toilets are allowed; however, automatic flush valves are not allowed.

For the sinks in the toilet area (NOT the sinks in the food prep/arts and crafts area), faucets shall be pre-mixed single push control that meets ADA requirements. Water shall run for 15 seconds.

- **HVAC:** An exhaust over the water closet area
- **ELECTRICAL:** No electrical receptacles are allowed in this area.
- **SPECIAL REQUIREMENTS:** Unbreakable lavatory mirrors required above each lavatory.

One of the toilet stalls and one of the lavatories shall meet child ADA requirements. Reference the floor plan for accessible door location. Distance between toilet partition and lavatory shall be 33" to facilitate side approach.

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**14. SPACE: Buggy Storage**

- **FUNCTIONAL DESCRIPTION:** A storage area to accommodate 2 infant “bye-bye” buggies. Buggies are approximately 76 inches by 26 inches.
- **ADJACENCIES:** Shall be directly accessible from the corridor, and should be located near to the Infant/Pre-Tod/Toddler Rooms.
- **MINIMUM AREA:** 45 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, durable, easily repairable, and easy to maintain. A base material, appropriate for the flooring material used, is required
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. In addition, vertical strips of wood, rubber, or other resilient material shall be placed 16” apart, and attached to studs, shall be provided on all walls of this area. Strips shall be 3’ tall, and shall start at the top of the base. Strips to function as bye-bye buggy bumpers.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **ELECTRICAL:** A lighting fixture shall be provided, and controlled by the corridor.

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**15. SPACE: Public and Staff Toilets**

- **FUNCTIONAL DESCRIPTION:** ADA compliant toilet area for staff, parents and visitors. A separate men's and women's toilet will be provided in the medium and large facilities.
- **ADJACENCIES:** Public toilets shall be located directly adjacent to the Waiting Area. Staff toilets shall be accessible from the corridors, and should be spread out around the facility.
- **OCCUPANTS:** 1 person.
- **MINIMUM AREA:** 48 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. On all walls, a minimum 48" tall wainscot is required that is impervious to water and be able to withstand daily sanitizing.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be provided with self-closing device.
- **PLUMBING:** 1 adult ADA compliant water closet, and 1 adult ADA compliant lavatory in each. A floor drain is required in this area that shall be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design.
- **HVAC:** Local exhaust vent above toilet. Provide one exhaust fan directly over the fold-down diaper changing station. This exhaust fan can be switched to operate only when the diaper station is opened for use.
- **ELECTRICAL:** Ensure appropriate lighting is provided above the mirror.  
  
Provide 1 (one) GFCI outlet near the lavatory.
- **SPECIAL REQUIREMENTS:** A wall-mounted fold-down diaper station shall be provided in each public toilet room(s) adjacent to the Waiting Area.

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**16. SPACE: Exterior Storage Room**

- **FUNCTIONAL DESCRIPTION:** Store playground toys and equipment. Equipment that is stored in these rooms will often times be dirty and/or wet.
- **ADJACENCIES:** Directly accessible from the exterior of the building. Shall be easily accessible from playground area.
- **MINIMUM AREA:** 40 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, durable (able to withstand wet and dirty conditions), such as sealed concrete. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Design walls to avoid energy loss from the surrounding conditioned spaces.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include resistance to environmental conditions, such as changes in air pressure and high humidity, and shall be durable. Design the ceiling to avoid energy loss from the surrounding conditioned spaces.
- **DOORS/FRAME:** Salient characteristics include easy to clean, able to withstand continuous use, and easy to maintain and repair. Each room to be provided with a pair of 3 foot by 7 foot doors, with each leaf provided with minimum of half-height glass panels. No astragals shall be provided. Instead, top and bottom flush bolts are to be provided on the inactive leaf. Adequate weather-stripping shall be provided to prevent access by vermin. Doors shall be fitted with a locking mechanism that allows the door to be opened from the inside while locked.
- **HVAC:** Minimal conditioning of this space to be provided in extreme climates.
- **ELECTRICAL:** Provide a minimum of 1 (one) GFCI outlet in each storage room.
- **SPECIAL REQUIREMENTS:** Four adjustable shelves with heavy duty standards and brackets will be provided on the back wall. Shelves shall be a minimum of 18" deep. Shelves shall be able to support 100 pounds per lineal foot.
- **FIRE PROTECTION:** A smoke detector is required in each Exterior Storage Room.

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**17. SPACE: Janitor Closet**

- **FUNCTIONAL DESCRIPTION:** Space to store janitor's equipment and cleaning supplies.
- **ADJACENCIES:** Directly accessible from the corridor.
- **MINIMUM AREA:** 45 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. Walls shall be able to withstand moving of mop buckets and other janitorial supplies, and shall be able to resist damage due to moisture.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects. Shall have a minimum CAC rating of 40.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Door shall be provided with minimum half-height glass. Door shall open 180 degrees into the corridor. Doors shall be provided with self-closing device.
- **HVAC:** Local exhaust vent required.
- **PLUMBING:** A janitor's floor mop sink is required. Floor drain is required in this area. A vacuum breaker is required.
- **ELECTRICAL:** A minimum of 1 (one) GFCI electrical outlet is required.
- **SPECIAL REQUIREMENTS:** Adjustable with heavy duty standards and brackets shelves will be provided on at least one wall. Shelves shall be able to support 100 pounds per lineal foot.

Provide a wall-mounted rack for hanging mops.

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(For Children 6 Weeks – 5 Years)**

**18. SPACE: Stroller/Car Seat Area**

- **FUNCTIONAL DESCRIPTION:** Space for patron's car seats and strollers.
- **ADJACENCIES:** Directly accessible from the corridor and accessible from the waiting area.
- **MINIMUM AREA:** Small: 50 SF, Net. Medium: 60 SF, Net. Large: 100 SF, Net
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, durable, easily repairable, and easy to maintain. A base material, appropriate for the flooring material used, is required
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall surface shall be durable so that impacts from strollers do not damage the wall.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **DOORS/FRAME:** If a door is provided, the door shall be provided with minimum half-height glass and shall be self-closing with a magnetic hold-open device that is tied into the fire alarm system.
- **ELECTRICAL:** The area shall have lighting controlled by the corridor lighting circuit.
- **SPECIAL REQUIREMENTS:** Adjustable shelves with heavy-duty standards and brackets will be provided on two walls for storage of car seats. Provide a rod and shelving along one wall for hanging umbrella strollers and car seats. Shelves shall be 24" deep. Standards for shelves shall be located so that the top shelf can be no closer than 3 feet from the ceiling.

**Standard Design Criteria  
Child Development Centers  
(For Children 6 Weeks – 5 Years)**

**19. SPACE: Training Room**

- **FUNCTIONAL DESCRIPTION:** To facilitate training/distance learning by CDC staff.
- **ADJACENCIES:** Directly accessible from the corridor.
- **OCCUPANTS:** CDC staff. Training and Curriculum Specialist(s) (TACS) will work in this space. Several workstations will be set up for others to come and train.
- **MINIMUM AREA:** Small: 260 SF, Net. Medium: 460 SF, Net. Large: 660 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to repair, easy to maintain, and durable. Wall surface shall have the ability to absorb pushpins and to withstand tape peeling. Shall have a minimum STC rating of 45.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects. Shall have a minimum CAC rating of 40.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with self-closing device. Doors shall be a minimum of half-height glass.
- **WINDOWS:** Salient characteristics include easy to clean and able to withstand continuous use. Individual windows shall be single hung, with only the top portion operable. Screens shall be provided. (Applicable to Small facility only.)
- **ELECTRICAL:** Electrical outlets, data ports, phone lines and intercom connection to be provided. A minimum of 8 (small facilities) and 12 (medium and large facilities) voice/data ports, and 6 quad-plex electrical outlets shall be provided, evenly spaced along the walls of the room.

Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.)

**Standard Design Criteria  
Child Development Centers  
(For Children 6 Weeks – 5 Years)**

**20. SPACE: Training Room Storage**

- **FUNCTIONAL DESCRIPTION:** General storage for office supplies and other supplies.
- **ADJACENCIES:** Located adjacent to the Training Room
- **OCCUPANTS:** CDC Staff
- **MINIMUM AREA:** Small: 30 SF, Net, total. Medium and Large: 50 SF, Net, total.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to repair, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be provided with self-closing device. Doors shall be a minimum of half-height glass.
- **SPECIAL REQUIREMENTS:** A minimum of 4 adjustable shelves with heavy duty standards and brackets will be provided. Provide shelves on as many walls of the storage rooms as possible while maintaining adequate circulation space. Shelving shall be able to support 100 pounds per lineal foot.

**Standard Design Criteria  
Child Development Centers  
(For Children 6 Weeks – 5 Years)**

**21. SPACE: Staff Lounge**

- **FUNCTIONAL DESCRIPTION:** Staff break area.
- **ADJACENCIES:** Directly accessible from the corridor.
- **OCCUPANTS:** CDC staff.
- **MINIMUM AREA:** Small: 300 SF, Net. Medium: 400 SF, Net. Large: 600 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, durable, easily repairable, and easy to maintain. A base material, appropriate for the flooring material used, is required
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall surface shall have the ability to absorb pushpins and to withstand tape peeling. Shall have a minimum STC rating of 45.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects. Shall have a minimum CAC rating of 40.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with self-closing device. Doors shall be a minimum of half-height glass.
- **CABINETS:** A minimum 8 foot wide base and wall cabinets with 1 stainless steel sink with space adjacent to counter for a refrigerator (minimum 22 cu. ft. top mount refrigerator). Counter top shall have integral back splash, and shall be appropriate solid surfacing, solid phenolic, or better.
- **ELECTRICAL:** Provide outlets above backsplash for home type appliances (coffee pot, microwave, etc.). Provide outlet for refrigerator. Electrical outlets, phone lines, and intercom connection to be provided. A minimum of 4 voice/data ports (1 per wall) shall be provided.
- **SPECIAL REQUIREMENTS:** Provide space, plumbing, and electrical for vending machines. Half-height, "z-locker", lockable wall lockers, secured to the wall, with a minimum foot print of 15" x 15", shall be provided in this area (total of 10 lockers in the small CDC, 14 lockers in the medium CDC, and 16 lockers in the large CDC). Each locker unit shall be 72" H.

Provide water for icemaker in refrigerator.

**Standard Design Criteria  
Child Development Centers  
(For Children 6 Weeks – 5 Years)**

**22. SPACE: Central Storage**

- **FUNCTIONAL DESCRIPTION:** Space for storage of program material.
- **ADJACENCIES:** Directly accessible from the corridor.
- **MINIMUM AREA:** Small: 40 SF, Net. Medium: 80 SF, Net. Large: 120 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with closers. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be a minimum of half-height glass.
- **ELECTRICAL:** The Storage Room shall contain a ceiling mounted automatic motion light switch with manual override.
- **SPECIAL REQUIREMENTS:** Four adjustable shelves with heavy-duty standards and brackets will be provided. Two 18" deep shelves and two 12" deep shelves shall be provided on at least 2 walls. Shelving shall be able to support 100 pounds per lineal foot.

**Standard Design Criteria  
Child Development Centers  
(For Children 6 Weeks – 5 Years)**

**23. SPACE: Camera Equipment Room (a.k.a. Video Room)**

- **FUNCTIONAL DESCRIPTION:** Room to accommodate Closed Circuit TV video equipment for video camera system throughout the facility.
- **ADJACENCIES:** Shall be directly accessible from the corridor.
- **MINIMUM AREA:** 60 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with closers. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be a minimum of half-height glass.
- **HVAC:** Due to heat generated, additional cooling shall be provided.
- **ELECTRICAL:** The Camera Equipment Room shall contain a ceiling mounted automatic motion light switch [with manual override](#).
- **ADDITIONAL INFORMATION:** The building construction contractor provides the conduit, boxes and power to the camera location indicated on your standard layout. FMWRC-CYS coordinates the installation of the CYS VSS to include installing cameras, head-end unit and other equipment for the operation of the video security system. The Navy (SPAWARS) contracts to have the system installed just after the building is turned over. Installation typically takes around 4 weeks, and is usually done during non-use hours (at night).

**Standard Design Criteria  
Child Development Centers  
(For Children 6 Weeks – 5 Years)**

**24. SPACE: Kitchen**

- **FUNCTIONAL DESCRIPTION:** Commercial grade facility designed for use by staff to meet the food service needs of children, 6 weeks to 5 years of age, in accordance with the United States Department of Agriculture and Preventive Medicine Regulations
- **ADJACENCIES:** Directly accessible from the corridor. Direct access to exterior.
- **OCCUPANTS:** CDC kitchen staff.
- **MINIMUM AREA:** Small: 906 SF, Net. Medium and Large: 982 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be durable, easy to clean and maintain, resist slipping, and be easy to repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:**
  - (a) Walls and ceiling of all areas where food establishment operations are conducted will be designed, constructed, and installed so they are:
    - 1) Smooth with smooth junctures
    - 2) Nonabsorbent
    - 3) Durable
    - 4) Light-colored
    - 5) Easily cleanable (sealed ceramic tile, or other approved material)
  - (b) Binding cement, mortar, or grout (epoxy) jointed materials will be waterproof, grease proof, and erosion resistant.
  - (c) Gypsum wallboard or similar ~~previous~~ pervious material will not be used
    - 1) On steel studs in food preparation, serving, storage, self-servicing areas, warewashing, and pot and pan washing areas, or other areas subject to water damage or high humidity
    - 2) In areas used by mobile food service equipment
  - (d) Water-resistant gypsum wallboard protected by a cement backerboard or green board and ceramic tile may be used to sheath stud walls.
  - (e) Except in areas used only for dry storage, concrete, porous blocks, or bricks used for indoor wall construction will be finished and sealed to provide a smooth, nonabsorbent, easily cleanable surface.
  - (f) Acoustical materials used in areas exposed to grease or high humidity will be constructed and installed to provide a reasonably nonabsorbent, easily cleanable surface. These materials require periodic replacement to maintain sanitary standards.
  - (g) Exposed corners of glazed structural units, concrete masonry unit partitions, and columns subject to damage from portable food service equipment shall be protected through use of corner protective guards. These guards should extend at least 72" above the finished floor.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, ease of accessibility to mechanical system above ceiling, and ease of repair. Aluminum Acoustical Ceiling Grid with the size not exceeding 2 feet by 2 feet and supporting 5/8" vinyl faced gypsum panels.

**Standard Design Criteria  
Child Development Centers  
(For Children 6 Weeks – 5 Years)**

- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with closers. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be a minimum of half-height glass. Door shall have self-closing device and be smoke tight. Exterior door from the kitchen leading to the service entrance shall be equipped with an air curtain. Hold-open devices shall not be used on any kitchen doors.
- **HVAC:** Two ventilation exhaust hoods are required. One condensation hood over the dishwashing machine, and one over the cooking equipment. Ensure adequate make up air is provided.
- **ELECTRICAL:** In addition to electrical requirements for kitchen equipment, electrical outlet and voice/data port to be provided to accommodate a computer in kitchen for placing food orders on-line. An intercom phone system and a Class A phone are required. Fluorescent lighting that allows an accurate assessment of food coloration shall be provided.
- **PLUMBING:** Hot and cold water shall be provided for 3 compartment ware washing sink, 2 compartment food preparation sink, 2 each hand washing sinks, cart washing area, dishwasher, convection steamers, 2 booster heaters, garbage grinder, and garbage disposal. Water shall be provided for a commercial icemaker. Floor drains, to include floor sinks, shall be provided.

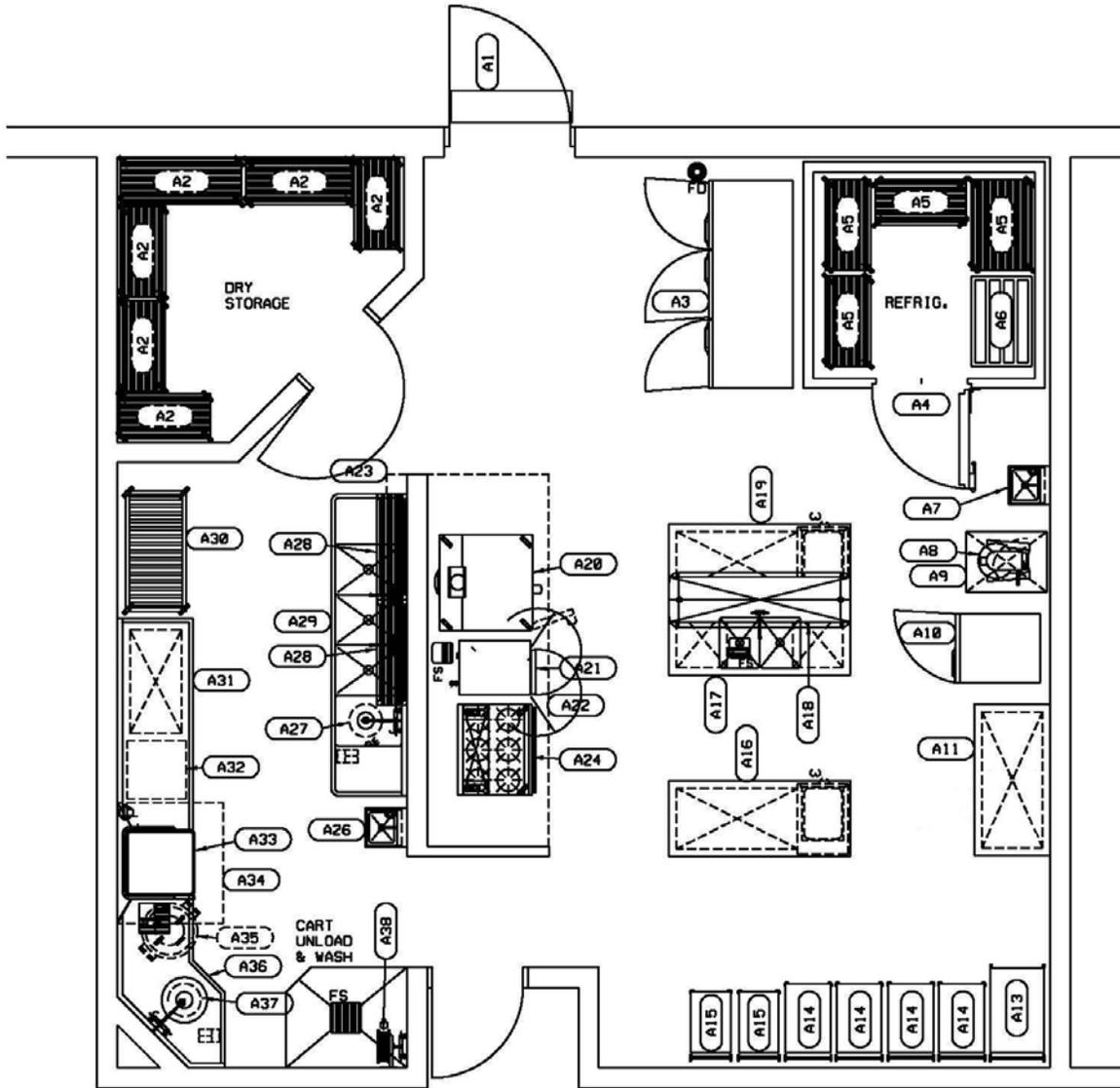
The requirements for grease traps will be determined by the installation. If provided, grease traps shall not be located inside the building without prior written approval of the MEDCEN/MEDDAC Commander. Grease traps must be located in a thermal mass. Also, the grease trap shall not be located within the fenced area.

- **SPECIAL REQUIREMENTS:**
  - (a) A dry storage area with shelving for food to be incorporated within the kitchen area. Requirements for dry storage include: Floor shall be sheet vinyl with welded seams which is easy to clean and maintain. A base material, appropriate for the flooring material used, is required. Base shall be seamless except at inside corners. An appropriate transition (such as bull-nose) shall be provided. Walls shall be easy to clean and maintain, and shall be durable.
  - (b) All storage room interiors shall be marked with a red line, 1-inch in width, located 18 inches below the lowest point of the sprinkler head.
  - (c) Kitchen equipment shall be commercial equipment, NSF approved. This will require compliance with all NFPA documents, to include 96.
  - (d) Maintenance: Maintain walls and ceilings, including doors, windows, skylights, and similar closures, in good repair. Asbestos material will be handled per TB MED 513.
  - (e) Exposed Construction: Studs, joints, and rafters, or other unfinished building materials will not be exposed. However, if exposed in areas outside the food establishment operations, they will be finished to provide a smooth, easily cleanable surface.
  - (f) Attachment: Light fixtures, vent covers, wall-mounted fans, poster boards, blackboards, decorative materials, and similar equipment attached to walls and ceilings will be:
    - 1) Easily cleanable
    - 2) Maintained in good repair

**Standard Design Criteria  
Child Development Centers  
(For Children 6 Weeks – 5 Years)**

- 3) Mounted so as to minimized harborage or entrance to the unit.
- (g) Kitchen plans and schedules are provided below. The kitchen may be flipped in plan if desired.
  - (h) A milk dispenser may be provided (Government Furnished, Government Installed) if desired by the Installation. It would be located on Work Table 11 (A11, B11, C11).
  - (i) A preferred option is to replace the Steamer and the Convection Oven with two (2) Combi-Ovens (which functions as both a steamer and a convection oven). In the plans below, these are items A20, A21, B20, B21, C20, C21.
  - (j) Electric range is preferable.

Standard Design Criteria  
 Child Development Centers  
 (For Children 6 Weeks – 5 Years)



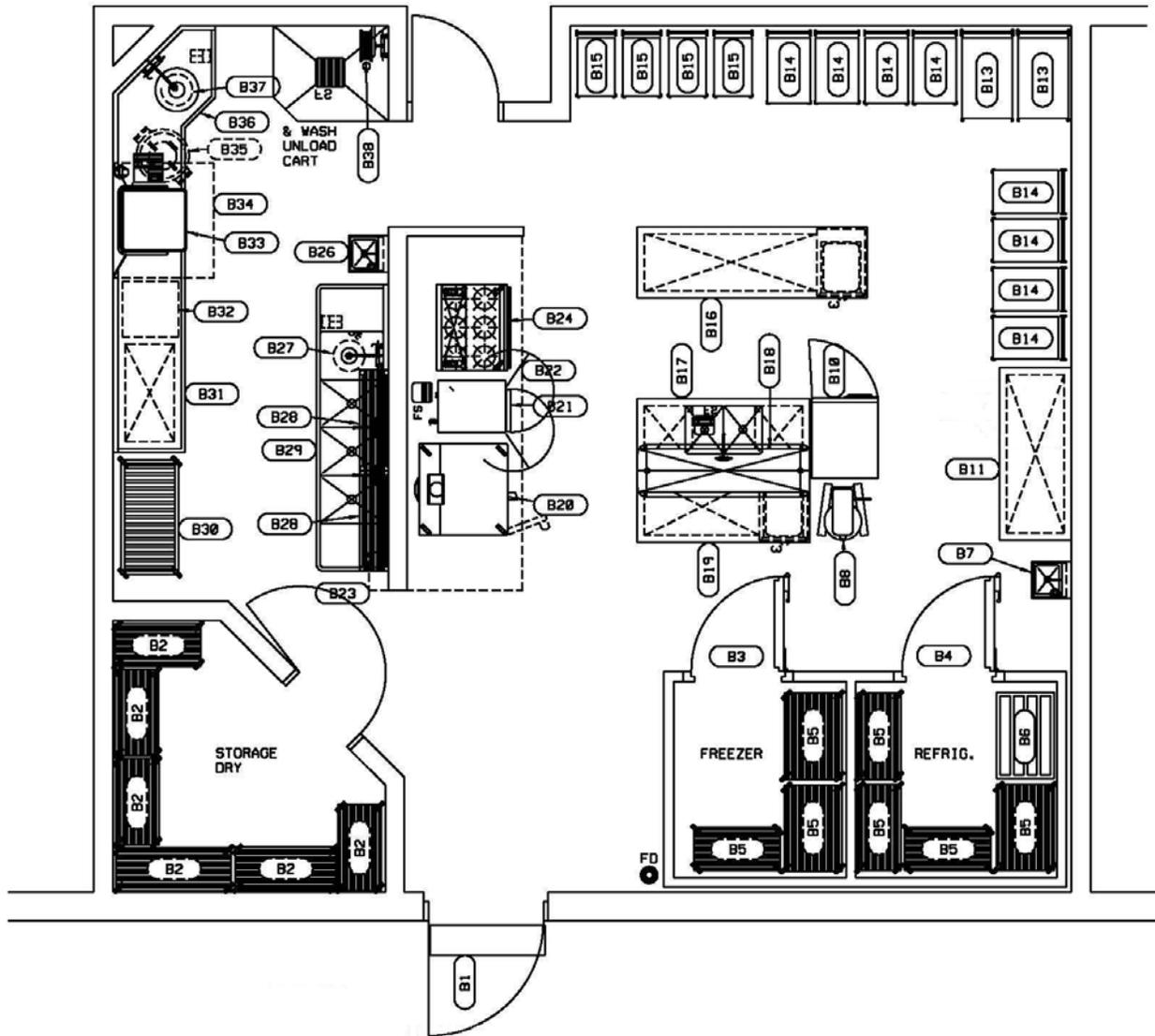
**A** KITCHEN  
 SMALL 126 CHILD FACILITY

0' 2' 4' 8' 1/4" = 1' - 0" 12/15/08

Standard Design Criteria  
 Child Development Centers  
 (For Children 6 Weeks – 5 Years)

EQUIPMENT LIST			
ITEM NO	QTY	DESCRIPTION	REMARKS
A1	1	AIR CURTAIN; UNHEATED	
A2	3	SHELVING; CHROME WIRE	18" X 36"
A2	1	SHELVING; CHROME WIRE	18" X 42"
A2	1	SHELVING; CHROME WIRE	18" X 48"
A2	1	SHELVING; CHROME WIRE	18" X 36"
A3	1	FREEZER; 3 SECT REACH-IN	
A4	1	WALK-IN REFRIGERATOR	8'-0" WX 7'-6" DX 8'-6" H/ALUM IN & OUT
A5	1	SHELVING; EPOXY WIRE	24" X 36"
A5	3	SHELVING; EPOXY WIRE	18" X 36"
A6	1	DUNNAGE RACK; SNGL TIER MILK CRATE	
A7	1	HAND SINK; FOOD PREP	
A8	1	MIXER; 20 QT.	
A9	1	STAND; MIXER	
A10	1	REFRIGERATOR; 1 SECT REACH-IN	
A11	1	TABLE; WORK W/ UNDER SHELF	30"W. X 96"L. X 36"H.
A12	1	NOT USED	
A13	1	CART; (4) SHELF PRE-SCHOOL	
A14	4	CART; 3 SHELF TODDLER	
A15	2	CART; 3 SHELF INFANT	
A16	1	TABLE; WORK W/ DRW'S-U SHELF	30"D X 72"L X 36"H
A17	1	TABLE; WORK W/ DBL. SINK-U SHELF	30"D X 72"L X 36"H
A18	1	ELEV. SHELF W/ UTENSIL RACK	22"W X 72"L X 7'-6"H
A19	1	TABLE; WORK W/ DRW'S-U SHELF	30"D X 72"L X 36"H
A20	1	OVEN; SINGLE CONVECTION	
A21	1	STEAMER; ELECT 1 COMPT 3 PAN	
A22	1	VENT HOOD; TYPE 1/FACE DISCHARGE	13'-0"L X 4'-0"D X 2'-0"H
A23	1	FIRE SUPPRESSION SYS.	
A24	1	RANGE; 6 BURNER STD OVEN	
A25		NOT USED	
A26	1	HAND SINK; WARE WASHING	
A27		NOT USED	
A28	2	WALL SHELF; S/S WIRE	
A29	1	SINK; 3 COMPARTMENT	18'-0"L X 2'-6"W X 2'-10"H
A30	1	RACK; ALUMINUM POT & PAN	
A31	1	DISH TABLE; CLEAN	30"D X 84"L X 34"H TO TOP
A32	1	BOOSTER HEATER; ELECTRIC	
A33	1	DISH MACHINE; TALL SNGL RACK	
A34	1	CONDENSATE HOOD; TYPE 11	48"W X 42"D X 24"H
A35	1	J-COUNTER WASTE BARREL	
A36	1	DISH TABLE; SOILED CORNER	48" & 50" X 30"D X 34"H
A37	1	DISPOSAL; 1.5 HP WASTE & PRE-RINSE	
A38	1	HOSE REEL; WALL MOUNT	

Standard Design Criteria  
 Child Development Centers  
 (For Children 6 Weeks – 5 Years)



**B** KITCHEN  
 MEDIUM 232 CHILD FACILITY

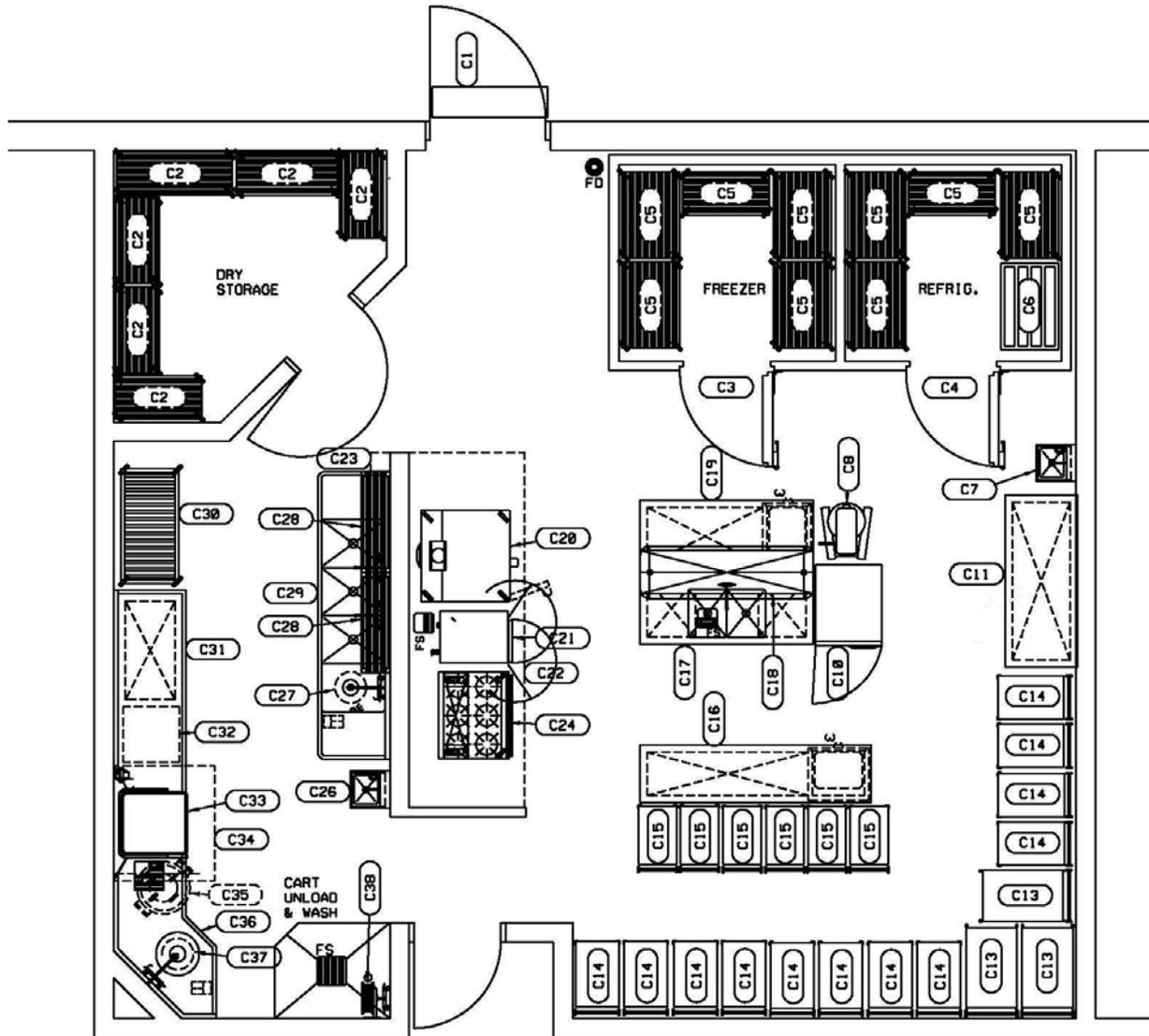


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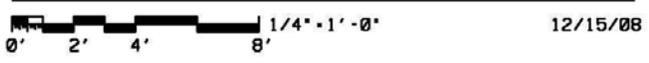
Standard Design Criteria  
 Child Development Centers  
 (For Children 6 Weeks – 5 Years)

EQUIPMENT LIST			
ITEM NO	QTY	DESCRIPTION	REMARKS
B1	1	AIR CURTAIN, UNHEATED	
B2	3	SHELVING, CHROME WIRE	18" X 36"
B2	1	SHELVING, CHROME WIRE	18" X 42"
B2	1	SHELVING, CHROME WIRE	18" X 48"
B2	1	SHELVING, CHROME WIRE	18" X 36"
B3	1	WALK-IN FREEZER	10'-6"-0"W X 6'-10"D X 7'-6"H
B4	1	WALK-IN REFRIGERATOR	10'-7"-0"W X 6'-10"D X 7'-6"H
B5	1	SHELVING, EPOXY WIRE	24" X 36"
B5	4	SHELVING, EPOXY WIRE	18" X 36"
B5	2	SHELVING, EPOXY WIRE	24" X 36"
B6	1	DUNNAGE RACK, SNGL TIER MILK CRATE	
B7	1	HAND SINK, FOOD PREP	
B8	1	MIXER, 30 QT. FLOOR	
B9		NOT USED	
B10	1	REFRIGERATOR, 1 SECT REACH-IN	
B11	1	TABLE, WORK W/ UNDER SHELF	30"W. X 72"L. X 36"H.
B12	1	NOT USED	
B13	2	CART, (4) SHELF PRE-SCHOOL	
B14	8	CART, 3 SHELF TODDLER	
B15	4	CART, 3 SHELF INFANT	
B16	1	TABLE, WORK W/ DRW'S-U SHELF	30"D X 96"L X 36"H
B17	1	TABLE, WORK W/ DBL. SINK-U SHELF	30"D X 72"L X 36"H
B18	1	ELEV. SHELF W/ UTENSIL RACK	22"W X 72"L X 7'-6"H
B19	1	TABLE, WORK W/ DRW'S-U SHELF	30"D X 72"L X 36"H
B20	1	OVEN, SINGLE CONVECTION	
B21	1	STEAMER, ELECT 1 COMPT 3 PAN	
B22	1	VENT HOOD, TYPE 1/FACE DISCHARGE	13'-0"L X 4'-0"D X 2'-0"H
B23	1	FIRE SUPPRESSION SYS.	
B24	1	RANGE, 6 BURNER STD OVEN	
B25		NOT USED	
B26	1	HAND SINK, WARE WASHING	
B27		NOT USED	
B28	2	WALL SHELF, S/S WIRE	
B29	1	SINK, 3 COMPARTMENT	10'-0"L X 2'-6"W X 2'-10"H
B30	1	RACK, ALUMINUM POT & PAN	
B31	1	DISH TABLE, CLEAN	30"D X 84"L X 34"H TO TOP
B32	1	BOOSTER HEATER, ELECTRIC	
B33	1	DISH MACHINE, TALL SNGL RACK	
B34	1	CONDENSATE HOOD, TYPE 11	48"W X 42"D X 24"H
B35	1	J-COUNTER WASTE BARREL	
B36	1	DISH TABLE, SOILED CORNER	40" & 50" X 30"D X 34"H
B37	1	DISPOSAL, 1.5 HP & PRE-RINSE SPRAY	
B38	1	HOSE REEL, WALL MOUNT	

Standard Design Criteria  
 Child Development Centers  
 (For Children 6 Weeks – 5 Years)



**C** KITCHEN  
 LARGE 338 CHILD FACILITY



Standard Design Criteria  
 Child Development Centers  
 (For Children 6 Weeks – 5 Years)

EQUIPMENT LIST			
ITEM NO	QTY	DESCRIPTION	REMARKS
C1	1	AIR CURTAIN, UNHEATED	
C2	3	SHELVING; CHROME WIRE	18" X 36"
C2	1	SHELVING; CHROME WIRE	18" X 42"
C2	1	SHELVING; CHROME WIRE	18" X 48"
C2	1	SHELVING; CHROME WIRE	18" X 36"
C3	1	WALK-IN FREEZER	10'-7"-6"W X 6'-10"D X 7'-6"H
C4	1	WALK-IN REFRIGERATOR	10'-7"-6"W X 6'-10"D X 7'-6"H
C5	7	SHELVING; EPOXY WIRE	24" X 36"
C5	2	SHELVING; EPOXY WIRE	18" X 36"
C6	1	DUNNAGE RACK; SNGL TIER MILK CRATE	
C7	1	HAND SINK; FOOD PREP	
C8	1	MIXER; 30 QT. FLOOR	
C9		NOT USED	
C10	1	REFRIGERATOR; 1 SECT REACH-IN	
C11	1	TABLE; WORK W/ UNDER SHELF	30"W. X 72"L. X 36"H.
C12		NOT USED	
C13	3	CART; (4) SHELF PRE-SCHOOL	
C14	12	CART; 3 SHELF TODDLER	
C15	6	CART; 3 SHELF INFANT	
C16	1	TABLE; WORK W/ DRW'S-U SHELF	24"D X 96"L X 36"H
C17	1	TABLE; WORK W/ DBL. SINK-U SHELF	30"D X 72"L X 36"H
C18	1	ELEV. SHELF W/ UTENSIL RACK	22"W X 72"L X 7'-6"H
C19	1	TABLE; WORK W/ DRW'S-U SHELF	30"D X 72"L X 36"H
C20	1	OVEN; DBL CONVECTION	
C21	1	STEAMER; ELECT 1 COMPT 3 PAN	
C22	1	VENT HOOD; TYPE 1/FACE DISCHARGE	13'-0"L X 4'-0"D X 2'-0"H
C23	1	FIRE SUPPRESSION SYS.	
C24	1	RANGE; 6 BURNER STD OVEN	
C25		NOT USED	
C26	1	HAND SINK; WARE WASHING	
C27		NOT USED	
C28	2	WALL SHELF; S/S WIRE	
C29	1	SINK; 3 COMPARTMENT	10'-0"L X 2'-6"W X 2'-10"H
C30	1	RACK; ALUMINUM POT & PAN	
C31	1	DISH TABLE; CLEAN	30"D X 84"L X 34"H TO TOP
C32	1	BOOSTER HEATER; ELECTRIC	
C33	1	DISH MACHINE; TALL SNGL RACK	
C34	1	CONDENSATE HOOD; TYPE 11	48"W X 42"D X 24"H
C35	1	U-COUNTER WASTE BARREL	
C36	1	DISH TABLE; SOILED CORNER	40" & 50" X 30"D X 34"H
C37	1	DISPOSAL; 1.5 HP & PRE-RINSE SPRAY	
C38	1	HOSE REEL; WALL MOUNT	

# Standard Design Criteria Child Development Centers (For Children 6 Weeks – 5 Years)

## Kitchen Equipment

Description		Dimensions			Equipment Count			Notes
Name	Service	Width	Length	Height	Small	Medium	Large	
Air Curtain, Unheated	Exterior Door	-	-	-	1	1	1	CFCI
Cart, Mobile, 3 Shelf		-	-	-	6	12	18	GFGI; Provide applicable space allocation
Cart, Mobile, 4 Shelf		-	-	-	1	2	3	GFGI; Provide applicable space allocation
Dish Table, Clean		?	?	?				CFCI
Dish Table, Clean		30"	84"	34"	1	1	1	CFCI
Dish Table, Soiled; Corner Design		40" & 50"	30"	34"	1	1	1	CFCI
Dish Table, Soiled; SS		?	?	?				CFCI
Dishwasher; Tall Sink Rack		-	-	-	1	1	1	CFCI
Dishwasher, Undercounter		-	-	-				CFCI
Disposal; 1.5 HP, Waste & Pre-Rinse	3 Compartment Sink	-	-	-	1	1	1	CFCI
Disposal; 1.5 HP, Waste & Pre-Rinse	Dish Table, Soiled	-	-	-	1	1	1	CFCI
Dunnage Rack; Single Tier Milk Crate	Walk-In Freezers	-	-	-	1	1	1	CFCI
Exhaust Hood		?	?	?				CFCI
Exhaust Hood; Type I/Face Discharge	Range, Steamer, Oven	13'-0"	4'-0"	2'-0"	1	1	1	CFCI
Exhaust Hood; Type II	Dishwasher	48"	42"	24"	1	1	1	CFCI
Freezer, Reach-In		59"	38"	85"				GFGI; Provide applicable utilities and space allocation
Freezer, Reach-In; 1 Door		-	-	-				GFGI; Provide applicable utilities and space allocation
Freezer, Reach-In; 3 Section		-	-	-	1			GFGI; Provide applicable utilities and space allocation
Freezer, Walk-In		8'-0"	7'-6"	8'-6"	1			CFCI
Freezer, Walk-In		7'-0"	6'-10"	7'-6"		1		CFCI
Freezer, Walk-In		7'-6"	6'-10"	7'-6"			1	CFCI
Hose Reel; Wall-Mounted	Cart Unload & Wash	-	-	-	1	1	1	CFCI
Ice Machine, Undercounter; SS		-	-	-				GFGI; Provide applicable utilities and space allocation
Microwave	Snack Bar	-	-	-				GFGI; Provide applicable utilities and space allocation
Mixer; 20 Quart; Floor		-	-	-	1			GFGI; Provide applicable utilities and space allocation
Mixer; 30 Quart; Floor		-	-	-		1	1	GFGI; Provide applicable utilities and space allocation
Oven/Heated Cabinet	Food Prep	-	-	-				CFCI
Oven, Electric		40"	39"	65"				CFCI
Oven; Double Convection		-	-	-			1	CFCI
Oven; Single Convection		-	-	-	1	1		CFCI
Rack, Aluminum	Pot and Pan Storage, Clean	-	-	-	1	1	1	CFCI
Range, Electric		36"	38"	36"				CFCI
Range; 6 Burner, Std Oven		-	-	-	1	1	1	CFCI

# Standard Design Criteria Child Development Centers (For Children 6 Weeks – 5 Years)

## Kitchen Equipment

Description		Dimensions			Equipment Count			Notes
Name	Service	Width	Length	Height	Small	Medium	Large	
Refrigerator, Undercounter	Activity Rooms	-	-	-	8	15	22	GFGI; Provide applicable utilities and space allocation
Refrigerator, Reach-In; 1 Section		-	-	-	1	1	1	GFGI; Provide applicable utilities and space allocation
Refrigerator, Reach-In; 2 Vertical Doors	Food Prep	-	-	-				GFGI; Provide applicable utilities and space allocation
Refrigerator, Side-by-side or top mount, with built-in icemaker	Break Room	-	-	-	1	1	1	GFGI; Provide applicable utilities and space allocation
Refrigerator, Walk-In		5'-10"	7'-9"	7'-1"				CFCI
Refrigerator, Walk-In		6'-0"	6'-10"	7'-6"		1		CFCI
Refrigerator, Walk-In		7'-6"	6'-10"	7'-6"			1	CFCI
Shelf, Elevated, w/Utensil Rack	Food Prep	22"	72"	7'-6"	1	1	1	CFCI
Shelf	Food Prep	12"	72"	-				CFCI
Shelf		18"	96"	-				CFCI
Shelf	Dry Storage	12"	114"	-				CFCI
Shelf, Wire	Dry Storage	24"	48"	-				CFCI
Shelf, Wire	Dry Storage	24"	54"	-				CFCI
Shelf, Chrome Wire	Dry Storage	18"	36"	-	4	4	4	CFCI
Shelf, Chrome Wire	Dry Storage	18"	42"	-	1	1	1	CFCI
Shelf, Chrome Wire	Dry Storage	18"	48"	-	1	1	1	CFCI
Shelf, Epoxy Wire	Walk-In Freezers/Refrigerators	24"	36"	-	1	3	7	CFCI
Shelf, Epoxy Wire	Walk-In Freezers/Refrigerators	18"	36"	-	3	4	2	CFCI
Shelving	Dry Storage	?	?	?				CFCI
Sink, 3-Compartment		10'-0"	2'-6"	2'-10"	1	1	1	CFCI
Sink, Hand; Food Prep		-	-	-	1	1	1	CFCI
Sink, Hand; Ware Washing		-	-	-	1	1	1	CFCI
Spray Assembly, Pre-Rinse; GooseNeck		-	-	-				CFCI
Stand	Supports 20 Quart Mixer	-	-	-	1			CFCI
Steamer, Electric; 1 Compartment, 3 Pan		-	-	-	1	1	1	CFCI
Table, Work; w/Double Sinks	Food Prep	30"	72"	36"	1	1	1	CFCI
Table, Work; w/Drawers Under Shelf	Food Prep	30"	72"	36"	2	1	1	CFCI
Table, Work; w/Drawers Under Shelf	Food Prep	30"	96"	36"		1	1	CFCI
Table; w/Drawers Under Shelf	Milk Dispenser	30"	60"	36"	1			CFCI
Table; w/Drawers Under Shelf	Milk Dispenser	30"	72"	36"		1	1	CFCI
Wall Shelf, Stainless Steel Wire	3 Compartment Sink	12"	36"	-	2	2	2	CFCI
Waste Barrel	Dish Table, Soiled	-	-	-	1	1	1	GFGI; Provide space allocation

Acronyms:

CFCI Contractor Furnished, Contractor Installed  
GFGI Government Furnished, Government Install

**Standard Design Criteria  
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**25. SPACE: Laundry Room**

- **FUNCTIONAL DESCRIPTION:** Area to include commercial quality laundry equipment. Small facilities will have 2 washers and 2 dryers. Medium and large facilities will have 3 washers and 3 dryers. In addition, a counter for folding clothes with upper and lower cabinets for storage of laundry materials and a laundry sink shall be provided.
- **MINIMUM AREA:** Small: 100 SF, Net. Medium and Large: 180 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include seamless, easy to clean and maintain, and slip resistant. Floors shall be able to withstand the warm humid environment, shall be able to withstand rolling carts, and shall be able to keep water from getting under the flooring material. A base material, appropriate for the flooring material used, is required. Base shall be seamless except at inside corners. Base shall be sealed to the flooring. A preferred option is a quarry tile floor and base.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Walls shall be able to withstand the warm humid environment, and shall be able to withstand being bumped by laundry carts.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, ease of access to mechanical system above ceiling, moisture resistant, and easy to repair.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with closers. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be a minimum of half-height glass.
- **PLUMBING:** Plumbing for laundry tub and washers. A floor drain is required in this area that shall be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design.
- **SPECIAL REQUIREMENTS:** Dryer vents shall be individually and directly vented to the outside through a chase in the mechanical room as shown on the drawings. A booster fan will be provided in the dryer vent when the travel distance exceeds 20 feet to the exterior.
- **FIRE PROTECTION:** Must be a 1-hour fire rated enclosure. Door and hardware to have a 45 minute fire rating. A smoke detector is required in the Laundry Room.

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**26. SPACE: Outreach/Transitional Care Activity Room**

- **FUNCTIONAL DESCRIPTION:** Activity Room which functions for child care, which includes eating, sleeping, playing, and other activities. Room accommodates children on a short term occasional basis (e.g. child care for deployment support, Family Readiness Groups, etc).
- **ADJACENCIES:** Shall be adjacent to the corridor and shall have direct access to the exterior. Direct access to age-appropriate playground is also required. Shall have direct access to storage room.
- **OCCUPANTS:** Two Program Assistants and a maximum of 24 Children (depending upon age of children).
- **MINIMUM AREA:** Minimum Program Area of 840 net SF, which is approximately 1023 net square feet. Program Area may NOT be any less than 840 net SF. See attached drawing for calculation of net Program Area. Hatched area indicates portions of room that can be included in the minimum net Program Area. Program area is NOT the same as net area or gross area.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include seamless, easy to clean and maintain. A base material, appropriate for the flooring material used, is required. Base shall be seamless except at inside corners. Base shall be sealed to floor with USDA or NSF approved caulking.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall material shall have the ability to absorb pushpins. Wall surface shall be able to withstand tape peeling. Where drinking fountains and/or lavatories are provided within the Activity Room space, a minimum 48" tall wainscot that is impervious to water and able to withstand daily sanitizing is required. This material shall extend to the floor and at least 18" horizontally in both directions from the centerline of the equipment.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with finger guards at the hinges, on the Activity Room side, up to a minimum height of 48". Finger guard shall be roll type. On exterior doors, finger guards shall not conflict with weather stripping. Interior doors shall be a minimum of half-height glass, with a clear width opening of 34 inches and shall be provided with a 12 inch wide side lite on the latch side of the door. Exterior door shall be provided with flush panic hardware, shall have a clear width opening of 34 inches, open at least 110 degrees to ensure ease of crib emergency evacuation, and direct exiting onto the outdoor play space. Interior and exterior doors shall swing in the direction of exit travel. Door thresholds and hardware will be designed to facilitate the exit of a crib containing five infants by a single adult. The thresholds will have a low profile. Doors shall be provided with self-closing device.

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- **VISION PANELS/VIEW WINDOWS:** Shall be in accordance with the Army Standard. At least 1 view window must be provided between this space and the corridor. In addition, not less than 2 vision panels must be provided between the activity space and the corridor.
- **CABINETRY:** Salient characteristics include easy to clean, maintain and repair. Cabinets shall be durable and be able to withstand impacts (example: food carts), without showing damage. Cabinets shall be a minimum of Architectural Woodworking Institute (AWI) 400B, Custom Grade, High Pressure Laminate clad. Counter top shall have integral back splash, and shall be solid surfacing, solid phenolic, or better. Counter tops of cabinets will have rounded/radius corners and edges.
  - a) A 3'-6" wide sign-in desk with 6 lockable storage units ([each keyed separately](#)) in an overhead cabinet, and an adjacent 18 inch wide coat closet. Refer to illustrations under General Requirements.
  - b) 8 foot wide base and wall cabinets with 2 stainless steel sinks. Sinks shall be separated as much as possible, and shall be provided with gooseneck faucets. Sink bowls shall be a minimum of 21" W x 15-3/4" D x 8" H. Space shall be provided for an undercounter refrigerator. Consider providing 2 – 36" W base cabinets with a 2' space between for the refrigerator. Base cabinets shall be lockable, and may not have a protruding handle. All base cabinets in the facility shall be keyed alike.
  - c) 24-25 pre-school cubbies, 8"-12" wide x 15" deep x 46"-49" tall permanently attached to walls (pre-manufactured). Provided by Building Contractor.
  - d) One diaper changing station approximately 2 foot wide by 5 foot long cabinet with sink integral to diaper changing surface, and retractable stairs. Refer to illustrations under General Requirements. Provided by Building Contractor.
- **HVAC:** An exhaust providing 100 to 150 cubic feet per minute shall be provided directly over the diaper changing station. Room temperature shall be measured and maintained at 1 foot above finished floor. Temperature will be designed for 68 °F in the winter and for 78 °F in the summer.

Humidity Control. A relative humidity of between 35 and 50 percent will be maintained in CDC child activity rooms to prevent drying of mucous membranes, to control the spread of diseases, and to prevent mold growth.

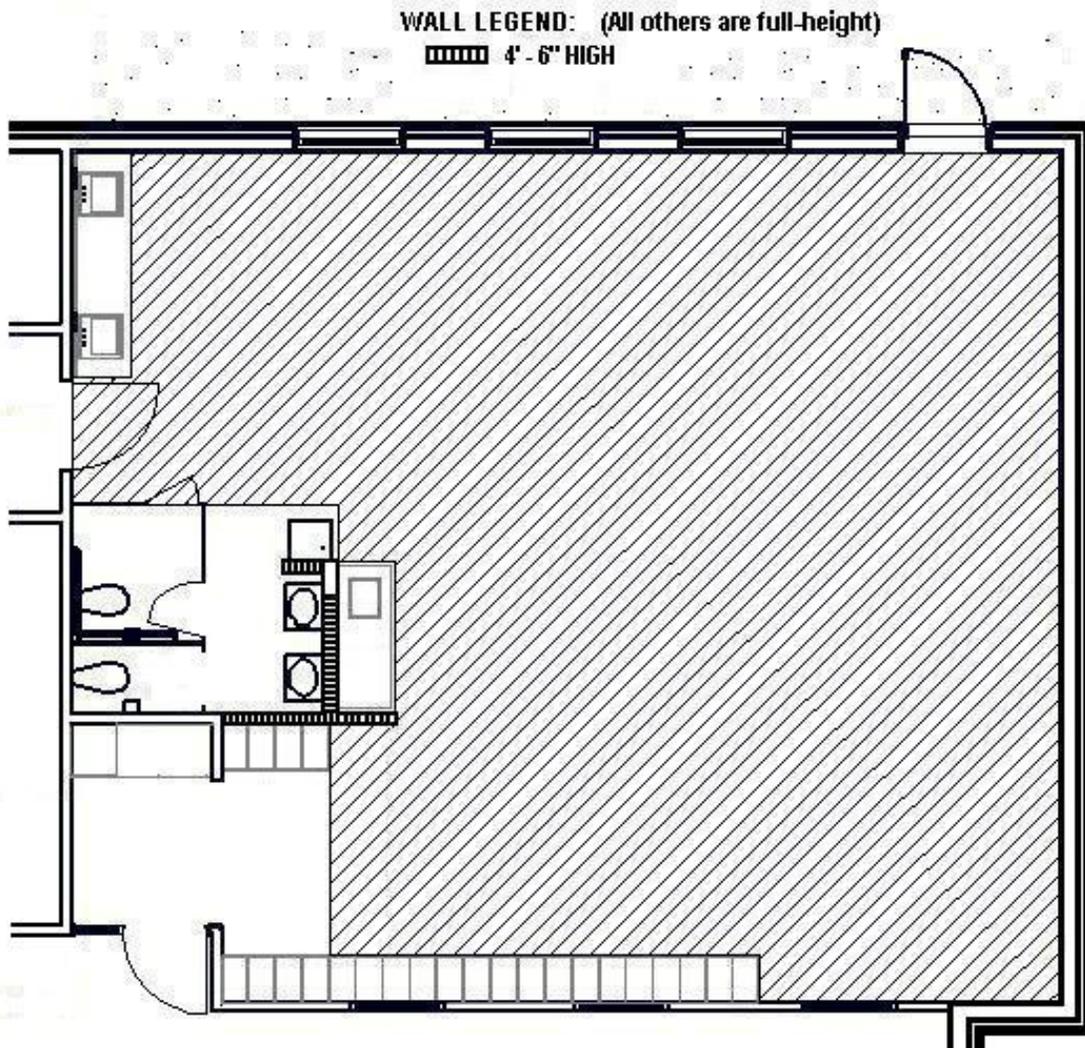
- **ELECTRICAL:** All electrical outlets, except for those mounted above countertops, shall be mounted 54" above the finish floor, and shall be hospital grade, tamper resistant safety type. Outlets provided above countertops shall be located no less than 18" from the edge of the countertop. Two electrical outlets to be provided above the backsplash (food preparation/art counter/sink), one over each open counter area. Electrical outlet to be provided for under the counter refrigerator. Electrical outlet, data port and intercom phone connection at sign in desk to be provided. Provide task lighting at sign in desk, installed on underside of upper cabinets. A minimum of 2 (two) outlets will be provided above the cubbies in the program area and will be mounted horizontally. A minimum of 4 (four) duplex outlets will be installed, evenly spaced, on the exterior wall and the wall opposite the toilet area. In addition, provide 2 (two) voice/data outlets in the activity area. A minimum of 5 (five) blank outlet covers will be provided but not installed.

Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.) Lighting within the child activity

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rooms must; sign-in desk and toilet be zoned together; and either an additional 2 zones or lamp control within the activity space, to allow different lighting levels for nap time and activity times. A minimum of .1 foot candle must be maintained in the activity room to allow for camera operation.

- **PLUMBING:** Plumbing for toilet/lavatory area, diaper changing table, and food preparation/art counter/sink area is required. A drinking fountain (non-refrigerated, similar to Halsey Taylor model HRFGE), mounted so that top of drinking fountain is 17" above finished floor, to be provided on the other side of the wall, directly accessible from the activity area, as shown in the following diagram.



**Outreach/Transitional Care Room**  
**Net Program Area**

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**27. SPACE: Outreach/Transitional Care Storage Room**

- **FUNCTIONAL DESCRIPTION:** Storage room to support the Outreach/Transitional Care Room.
- **ADJACENCIES:** Shall be directly accessible from the Activity Room
- **OCCUPANTS:** CDC Staff.
- **MINIMUM AREA:** 45 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with self-closing device. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be a minimum of half-height glass.
- **ELECTRICAL:** A minimum of 1 (one) electrical outlet is required.
- **SPECIAL REQUIREMENTS:** A minimum of three adjustable shelves with heavy-duty standards and brackets will be provided on 3 walls. At least one 18" deep shelf and two 12" deep shelves shall be provided. Shelving shall be able to support 100 pounds per lineal foot.

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**28. SPACE: Outreach/Transitional Care Toilet Area**

- **FUNCTIONAL DESCRIPTION:** Toilet area for CDC children.
- **ADJACENCIES:** Shall be directly accessible from the Outreach/Transitional Care Room
- **OCCUPANTS:** CDC Children with staff assistance.
- **MINIMUM AREA:** 62 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. On all walls, a minimum 48" tall wainscot is required that is impervious to water and be able to withstand daily sanitizing.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects.
- **TOILET PARTITION:** Salient characteristics include easy to clean and maintain, and shall be durable. Top of toilet partitions shall be no higher than 48" tall with 12" clear opening at bottom. A stall door shall NOT be provided on the smaller toilet stall. Floor mounted partitions are preferred. Partitions shall be color-through phenolic. If ceiling hung partitions are requested, partitions shall be color-through phenolic or solid plastic.
- **PLUMBING:** Two (2) pediatric floor mounted water closets (one 10" to rim, one 13" to rim), and two (2) child wall mounted lavatories (one 17" AFF, one 20" AFF) to be located opposite the water closets. Stall doors shall be provided as shown in the drawing. The 10" water closet to be located in the smaller stall, with the 17" lavatory located across from the same stall. A floor drain is required in this area that shall be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. Provide continuous, or closed front toilet seats. Dual flush valve toilets are allowed; however, automatic flush valves are not allowed.

For the sinks in the toilet area (NOT the sinks in the food prep/arts and crafts area), faucets shall be pre-mixed single push control that meets ADA requirements. Water shall run for 15 seconds.

- **HVAC:** An exhaust over the water closet area
- **ELECTRICAL:** No electrical receptacles are allowed in this area.
- **SPECIAL REQUIREMENTS:** Unbreakable lavatory mirrors required above each lavatory.

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One of the toilet stalls and one of the lavatories shall meet child ADA requirements. Reference the floor plan for accessible door location. Distance between toilet partition and lavatory shall be 33" to facilitate side approach.

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**29. SPACE: Active Play Room**

- **FUNCTIONAL DESCRIPTION:** An active indoor play area for CDC children to utilize during inclement weather/temperature extremes.
- **OCCUPANTS:** Two Program Assistants and CDC children appropriate to the specific age group to maintain proper adult/child ratio.
- **MINIMUM AREA:** Minimum Program Area of 1080 net SF. Program Area may NOT be any less than 1080 net SF. See attached drawing for calculation of net Program Area. Hatched area indicates portions of room that can be included in the minimum net Program Area. For this space, program area is the same as net area.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include seamless, easy to clean and maintain. A base material, appropriate for the flooring material used, is required. Base shall be seamless except at inside corners. Base shall be sealed to floor with USDA or NSF approved caulking.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall surface shall be able to withstand tape peeling. Walls shall be hardened to withstand impacts from balls, trikes, etc. Where walls of the Active Play Room are shared with other activity rooms or Training Room, they shall be designed to have a minimum STC rating of 55.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include durability to withstand impact from balls. In addition, ceiling shall provide acoustical control. Some portion (at least 50%) of the ceiling shall be at least 9' high.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with finger guards at the hinges, on the Activity Room side, up to a minimum height of 48". Finger guard shall be roll type. On exterior doors, finger guards shall not conflict with weather stripping. Interior doors shall be a minimum of half-height glass, with a clear width opening of 34 inches and shall be provided with a 12 inch wide side lite on the latch side of the door. Exterior door shall be provided with flush panic hardware, shall have a clear width opening of 34 inches, and direct exiting onto the outdoor play space. Interior and exterior doors shall swing in the direction of exit travel. Doors shall be provided with self-closing device.
- **VISION PANELS/VIEW WINDOWS:** Shall be in accordance with the Army Standard. At least 1 view window and 2 vision panels must be provided between this space and the corridor.
- **HVAC:** Room temperature to be measured and maintained at 1' AFF. Temperature will be designed for 68 °F in the winter and for 78 °F in the summer.

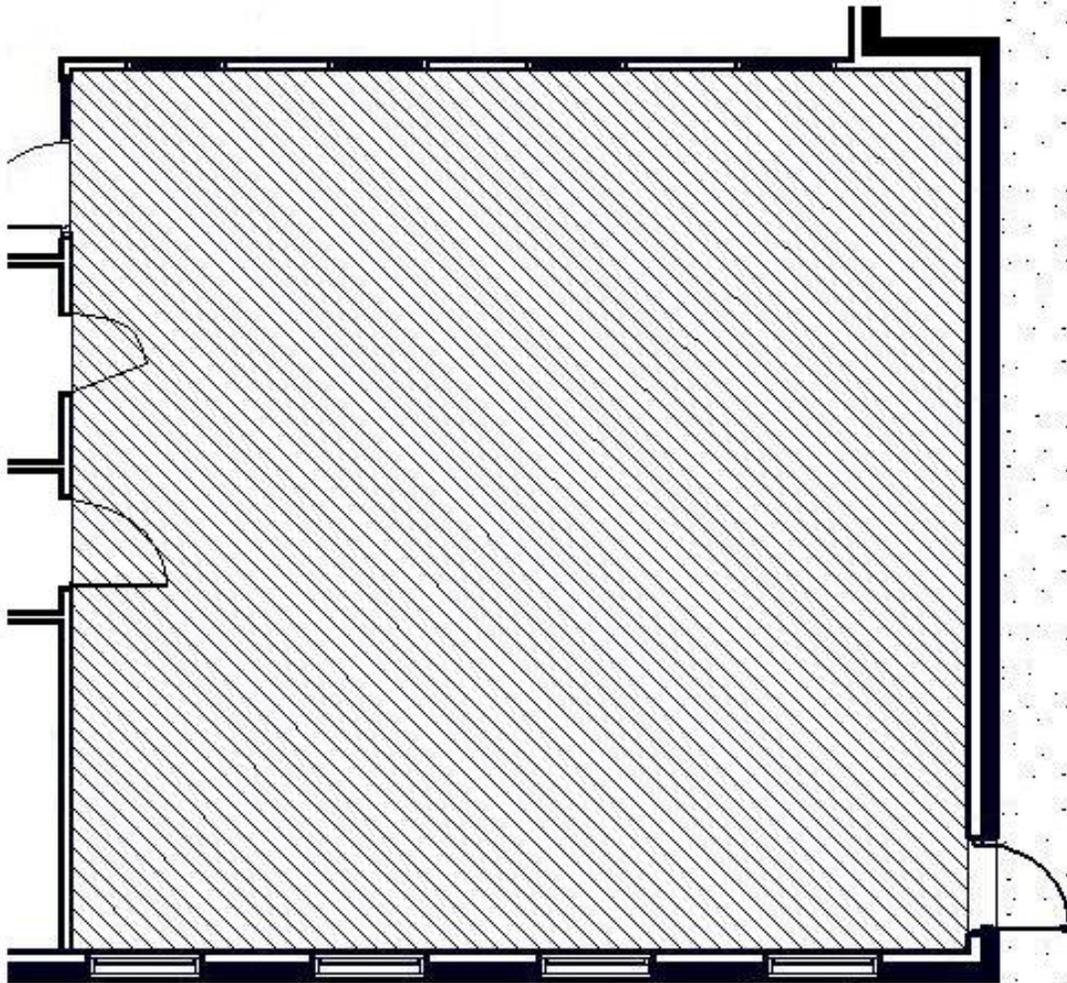
Humidity Control. A relative humidity of between 35 and 50 percent will be maintained in CDC child activity rooms to prevent drying of mucous membranes, to control the spread of diseases, and to prevent mold growth.

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- **ELECTRICAL:** All electrical outlets shall be hospital grade tamper resistant safety electrical outlets, mounted 54 inches above the finish floor. An intercom phone connection is required. The location of the intercom shall be in the corner by the door.

Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.)

- **SPECIAL REQUIREMENTS:** For safety reasons, no outside corners may occur in this space. Cased openings shall be provided with resilient corner guards or shall be rounded. Door hardware shall be designed to reduce injury from impact.



**Active Play Room**  
**Net Program Area**

**Standard Design Criteria  
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**30. SPACE: Active Play Storage Room**

- **FUNCTIONAL DESCRIPTION:** Storage room to support the Active Play Room.
- **ADJACENCIES:** Shall be directly accessible from the Activity Room
- **OCCUPANTS:** CDC Staff.
- **MINIMUM AREA:** 90 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, maintain, and repair. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:**  
Salient characteristics include easy to clean, repairable, easy to maintain, and durable.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:**  
Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **DOORS/FRAME:** Salient characteristics include durability. Doors, frames, and hardware shall be able to withstand constant opening and closing. Doors shall be provided with self-closing device. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked. Doors shall be a minimum of half-height glass. Glass shall be able to withstand impact from balls and play equipment. Hardware on the Active Play Room side of the door shall be designed to reduce injury from impact.
- **SPECIAL REQUIREMENTS:** A minimum of four adjustable shelves with heavy-duty standards and brackets will be provided on 3 walls. At least two 18" deep shelves and two 12" deep shelves shall be provided. Shelving shall be able to support 100 pounds per lineal foot.

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Child Development Centers  
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**31. SPACE: Active Play Toilet Area**

- **FUNCTIONAL DESCRIPTION:** Toilet area for CDC children.
- **ADJACENCIES:** Shall be directly accessible from the Active Play Room
- **OCCUPANTS:** CDC Children with staff assistance.
- **MINIMUM AREA:** 45 SF, Net.
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. A base material, appropriate for the flooring material used, is required.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include shall be easy to clean and maintain, and shall be durable. On all walls, a minimum 48" tall wainscot is required that is impervious to water and be able to withstand daily sanitizing.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and free of sags or other defects.
- **TOILET PARTITION DOOR:** A toilet partition door will be used in lieu of a standard door at the entrance to the Active Play Room Toilet. No toilet partitions are required within the toilet room. Salient characteristics include easy to clean and maintain, and shall be durable. Top of toilet partition door shall be no higher than 48" tall with 12" clear opening at bottom. Partitions shall be color-through phenolic. If ceiling hung partitions are requested, partitions shall be color-through phenolic or solid plastic.
- **PLUMBING:** One (1) pediatric water closet (13" to rim), and one (1) child lavatory (20" to rim). A floor drain is required in this area that shall be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. Provide continuous, or closed front toilet seats. Dual flush valve toilets are allowed; however, automatic flush valves are not allowed.
- **HVAC:** An exhaust in the toilet area.
- **ELECTRICAL:** No electrical outlets are allowed in this area.
- **SPECIAL REQUIREMENTS:** Unbreakable lavatory mirrors required above each lavatory.

**Standard Design Criteria  
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**32. SPACE: Corridor**

- **FUNCTIONAL DESCRIPTION:** Main Circulation Space
- **MINIMUM FLOOR and BASE CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, durable, easily repairable, and easy to maintain. A base material, appropriate for the flooring material used, is required. Base shall be seamless except at inside corners.
- **MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include easy to clean, repairable, easy to maintain, and durable. Wall material shall have the ability to absorb pushpins. Wall surface shall be able to withstand tape peeling. Also, wall surface shall be durable so that impacts from buggies and carts do not damage the wall.
- **MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE:** Salient characteristics include ease of accessibility to mechanical system above ceiling, durable, and shall provide an aesthetically pleasing surface, free of sags or other defects. Shall have a minimum STC rating of 45.
- **DOORS/FRAME:** All doors that open into the corridor, that are not located within a recessed alcove, must swing 180 degrees to avoid reducing the usable corridor width. Only infrequently-used doors, such as janitor's closet, may open into the corridor without a recess. [Doors leading to the outside from the corridor must also be provided with a side lite.](#)
- **ELECTRICAL:** Outlets to be mounted 18" AFF.  
  
Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.)
- **PLUMBING:** Provide an electric water cooler, 17" AFF, near the Active Play Room as shown on the drawings.
- **SPECIAL REQUIREMENTS:** Corridor SHALL have a minimum clear width of NO LESS THAN 6'-0". To allow for bulletin boards and other projections, recommend maintaining a clear width between walls of at least 6'-2".
- **INTRUSION ALARM:** Exit notification system with keyed manual override is required where doors do not exit into fenced area.

**Standard Design Criteria  
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**33. SPACE: Security & Monitoring General Information**

**POWER - CCTV SYSTEM:**

**CAMERA POWER SUPPLY:** Power for the CCTV cameras shall be distributed from the SER rack mount power supply to each camera location (Class 2 limited power source - low voltage system - 24VAC to the cameras). The number of cameras provided for each facility shall be as indicated on the SECURITY & MONITORING PLAN included in the Child Development Center (CDC) for Children 6 Weeks - 5 Years Old Standard Plans (Attachment F).

**SURVEILLANCE EQUIPMENT RACK (SER):** The circuit shall be terminated with a 3-prong receptacle (L5-30P3W125V) recess-mounted in the location designated for the SER.

Small Facility - One (1) 120VAC/30-AMP circuit shall be supplied to the location designated for the CCTV SER.

Medium And Large Facilities - Two (2) 120VAC/30-AMP circuit shall be supplied to the location designated for the CCTV SER.

**PARENTAL VIEWING MONITOR (PVM):** A standard 110 VAC receptacle shall be installed at the location designated for the PVMs. The receptacle shall be mounted above the drop ceiling and can be tied to any circuit in the facility.

**PVM WORKSTATION (PWS):** A standard 110 VAC outlet shall be made available at the reception desk, for the PVM workstation.

**ELECTRICAL METALLIC TUBING (EMT):** EMT shall be sized in accordance with the National Electric Code (NEC) based upon the type, gauge and quantity of cabling and wiring installed within the EMT. The conduit fill rate shall conform to the NEC standard.

**POWER CABLE:** The camera power cable shall be 2-conductor AWG 18 gauge stranded unshielded, plenum rated cable type. The preferred wire is pre-marked SmartWire™ security access control cable 2-conductor 18 AWG bare copper, non-shielded plenum. Color combination to be determined by Contractor as required.

Un-terminated power cables shall be identified by either the camera number, the specification of the power run, or in a manner determined by the Contractor.

All power cables shall be one continuous run. Splicing is not acceptable.

In the location designated for the SER leave 20' excess coil of power cable.

**VIDEO CAMERA CABLE:** The camera video cable shall be RG-59U type CCTV plenum coax cable type. The preferred cable is pre-marked SmartWire™ RG-59 video surveillance cable plenum. Color combination to be determined by Contractor as required.

Un-terminated video cables shall be identified by either the camera number, the specific location of the video run or in a manner determined by the Contractor.

All video cables shall be one continuous run. Splicing is not acceptable.

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In the location designated for the SER leave 20' excess coil of video cable.

**CEILING INSTALLATIONS:** In areas with drop ceilings, run conduit (w/ video and power cabling) above the ceiling from SER location to each camera location. Leave 6' excess coil of power and video cable tied up at the camera location.

In areas w/o dropped ceilings, run conduit (w/ video and power cabling) above ceiling from SER location to each camera location. Provide one (1) single gang receptacle box, recess mounted, on the wall no more than 12', and no less than 8', above the fixed floor at each camera location (the closer to 12' is preferable for greater field of view.) All receptacle boxes in the same area shall be mounted at the same distance from the fixed floor.

In areas with exposed conduit, provide one (1) octagon box surface mounted on the wall no more than 12', and no less than 8', above the fixed floor at each camera location (the closer to 12' is preferable for greater field of view). All receptacle boxes in the same area shall be mounted at the same distance from the fixed floor.

**EXTERIOR CAMERAS:** In areas where cameras are to be installed on building exterior, run conduit (w/ video and power cabling) from SER location to the adjacent interior location. Leave the requested 6' excess coil of power and video cable tied up at the location. Do not penetrate the wall, if required, a 4"x 4" junction box and sleeve will be installed during camera installation. Request a #12 solid ground wire at each designated exterior camera location. Suggested grounding options are:

Grounding wire(s) to be attached to a grounded conduit run, or

Run grounding wire from communication room/SER location to exterior cameras. If option #2 is the method of grounding, provide a #6 or #8 ground wire from communication room/SER location to a power panel.

**CAT-6 CABLE AND CONNECTION:** A 10/100/1000 Base-T CAT-6 circuit shall be provided between the facilities administrator's office and the SER location. A second 10/100/1000 Base-T CAT-6 circuit shall be provided between the PVM workstation location at the reception desk and the SER. This shall include a terminated RJ-45 receptacle at the administrator's office and the PVM workstation location. At the SER, both circuits shall be un-terminated with 20' excess coiled in overhead.

**PULL BOX:** A pull box shall be installed at the PVM with an EMT wire path between it and the PVM workstation location. All EMT shall be a minimum of one (1) inch in diameter.

**DIFFUSERS/REGISTER/GRILLES:** Do not install diffusers, registers, or grilles above a location designated for SER. Forced heat during winter months may cause over-heating of equipment.

**CABLE TRAYS:** If the facility has cable trays, recommend using tray to get camera wires as close to the camera locations as possible. Then run conduit to the exact locations using the most direct route.

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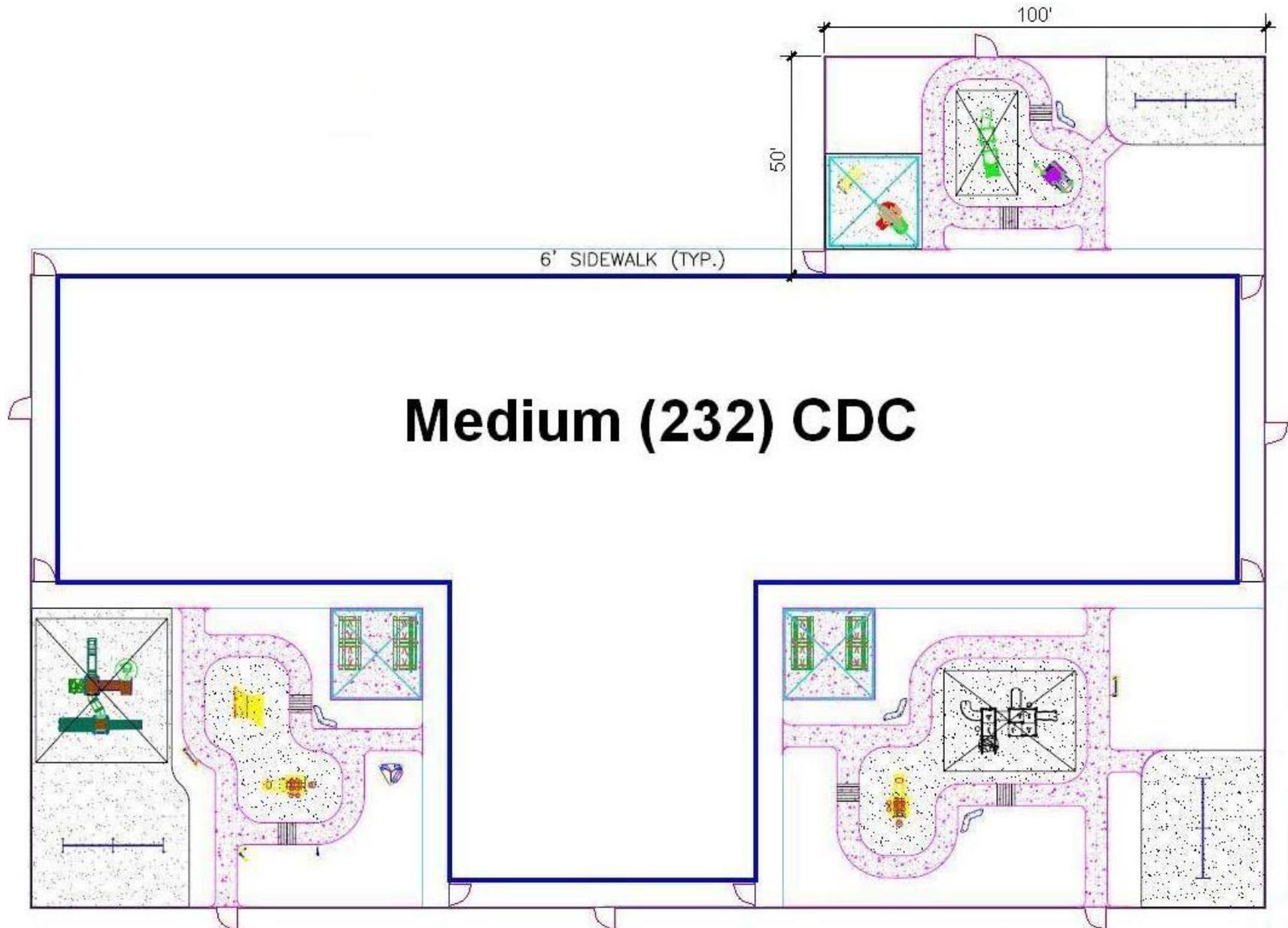
**34. SPACE: Playground/Outdoor Play Areas**

- Outdoor play areas (playground) serve as extensions of classroom spaces and must be provided to support programming. Playground is to be divided into individual areas to accommodate the different age groups occupying the facility. Three separate play areas are required for various age groups of children. In general, these areas will serve: infant/pre-toddler, toddler/preschool, and pre-kindergarten/kindergarten. Installation in put is required to finalize the age groups to be served by each playground. The playground area is capable of supporting 50% of the children at any given period of time at a minimum of 100 sq. ft. per child using the outdoor play space. Playgrounds must meet guidelines contained in the Consumer Products Safety Commission (CPSC) Handbook for Public Playground Safety, the American Society for Testing Materials (ASTM) F-1487-93, and meet ADA guidelines for playgrounds ([www.access-board.gov](http://www.access-board.gov)). Specific play areas may be defined by several elements. Elements include circulation paths, open play areas/natural turf, age appropriate equipment, play structures, attenuation material for use zones, and fencing. Shade in the outdoor play areas is a requirement for certification.
- All Activity Rooms (Infant/Pre-Toddler/Toddler, Pre-school/Pre-K/Kindergarten, Transitional Care, and Active Play Room) MUST exit directly to the fenced playground area.
- The three playgrounds must be connected within the [overall](#) fenced area, but must be separated by [fencing and](#) gates.
- A playground safety surface shall be provided throughout all use zones and under all play equipment. The safety surface will be unitary or poured in place material. The swing fall attenuation material may be engineered wood fiber, with approved rubber matting at foot contact point underneath the swings, if requested by the installation. Beneath the infant swings, a unitary safety surface will be used.
- Trike paths are a requirement and dual function as an evacuation route, as well as, a play element. Refer to ADA Guidelines for widths of pathways for egress. A portion of the trike path must provide direct access to a gate in the exterior fence. This gate must be located no less than 50' from the building in any direction. The portion of the trike path leading to this gate must be smooth. Trike paths must be a minimum of 5' wide.
- Outdoor Play Area must be fenced. All fencing must be vinyl coated chain-link security type minimum 4' high at the perimeter and 4' high to sub-divide play areas by age group. Fencing will have gates between the play areas. Exit gate to be provided with adult controlled securing device to allow access for emergency and maintenance vehicles as well as egress from building to a safe, open area. Bolt threads, nuts, and ends of wire fasteners shall face away from the playgrounds. Where fence fabric bolt threads and nuts are required to face a playground (generally between play areas), bolts will be trimmed to two exposed threads and sharp edges will be dressed with a file. Additionally, all wire fasteners used to secure the fence fabric to piping (poles, etc.), where the cut ends face an outdoor activity area, will be flush cut to reduce the introduction of knife edges on the ends of the wires. A top rail is required on the fence.
- Poisonous plants, plants with thorns, and fruit bearing plants are not permitted in the outdoor play areas. Reference: A Field Guide to Venomous Animals and Poisonous Plants (1994)

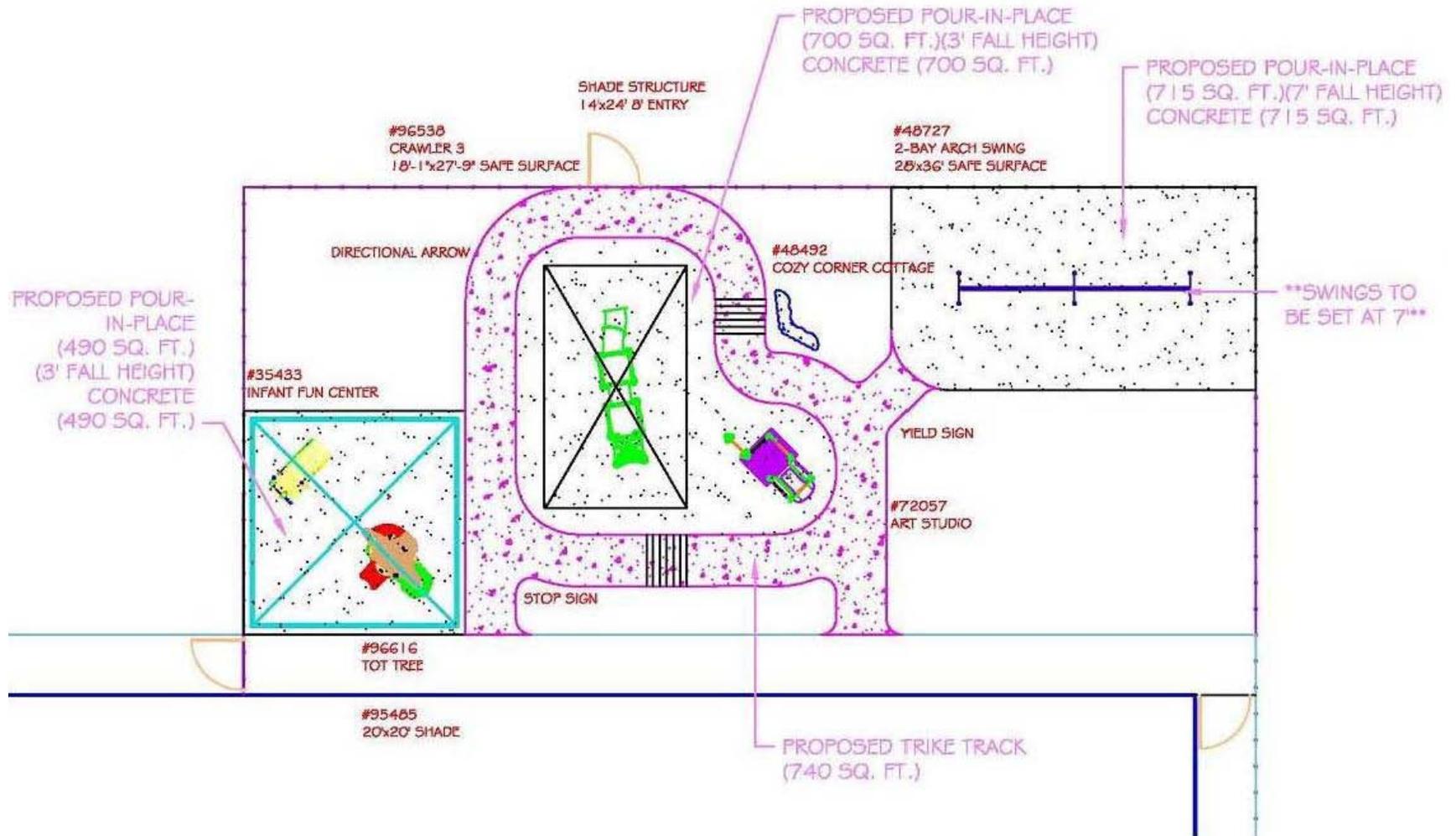
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- Fire alarm audio and visual devices shall be provided for each playground.
- Playground design must be reviewed by garrison CYS staff and approved by FMWRC. Playground installation must be in accordance with the Consumer Products Safety Commission (CPSC) and all applicable American Society for Testing and materials (ASTM) standards. Contractor shall provide written documentation that playground meets those standards and has been inspected by a Certified Playground Safety Inspector (CPSI) prior to turning over to the Government. Documentation of installation and inspection shall be sent to the Center of Expertise and the originals shall be maintained by the garrison CYS staff.
- [Due to maintenance concerns, exterior drinking fountains or electric water coolers will NOT be provided in the playgrounds.](#)
- **NOTE: The following drawings are for the Medium size (232 capacity) 0-5 CDC only. After the drawings is a chart that lists the recommended playground equipment for the Small and the Large sizes. Use the design concepts shown in the drawings for the Medium to design a Small or Large playground, providing the equipment required within the authorized square footage.**
- **NOTE: Manufacturers and model numbers provided on the following pages are provided for information only to illustrate the types, sizes and capacities required. Other play structures and activities may be provided as long as they fit within the same use zones, provide similar activities, and have a capacity equal to or greater than those shown.**

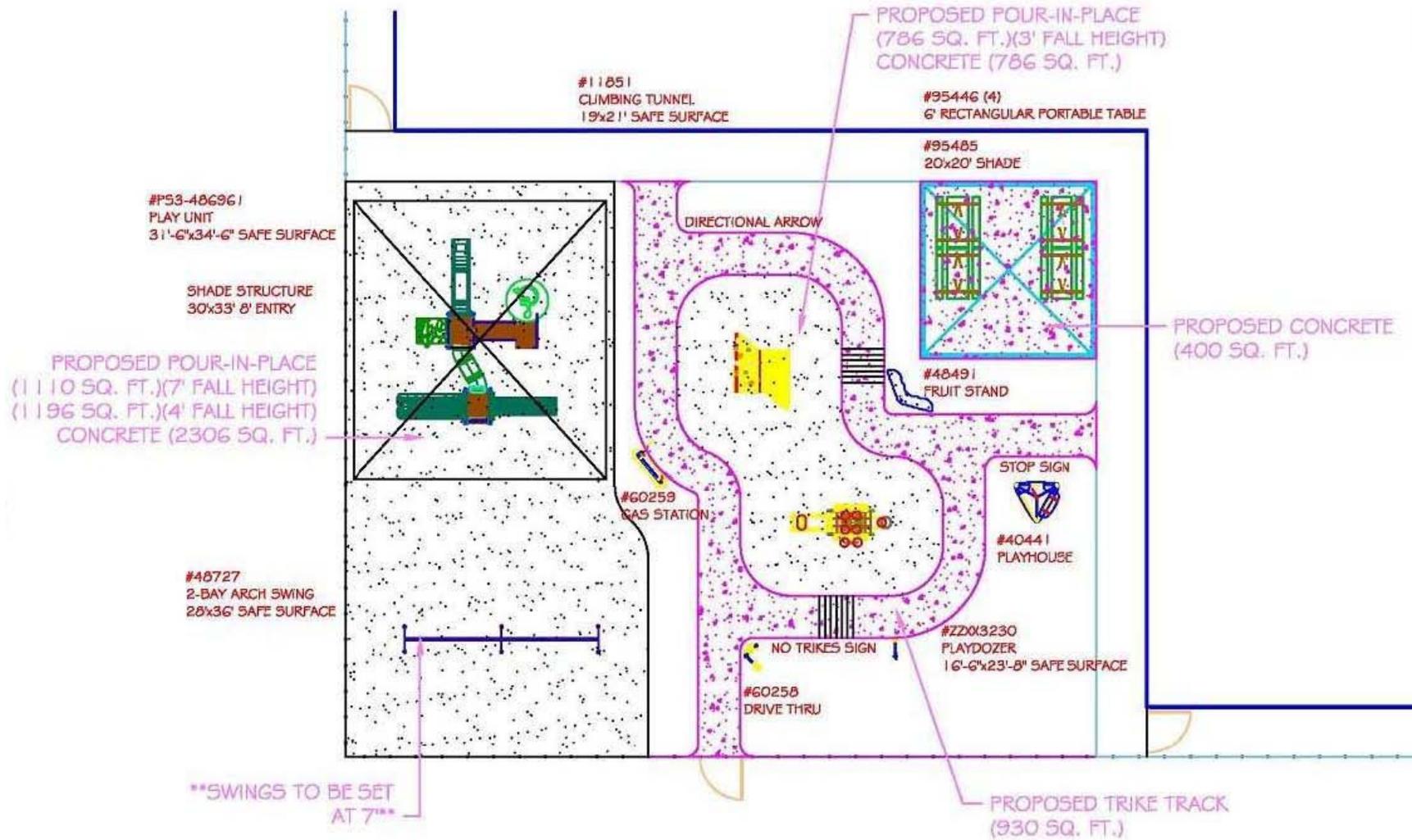
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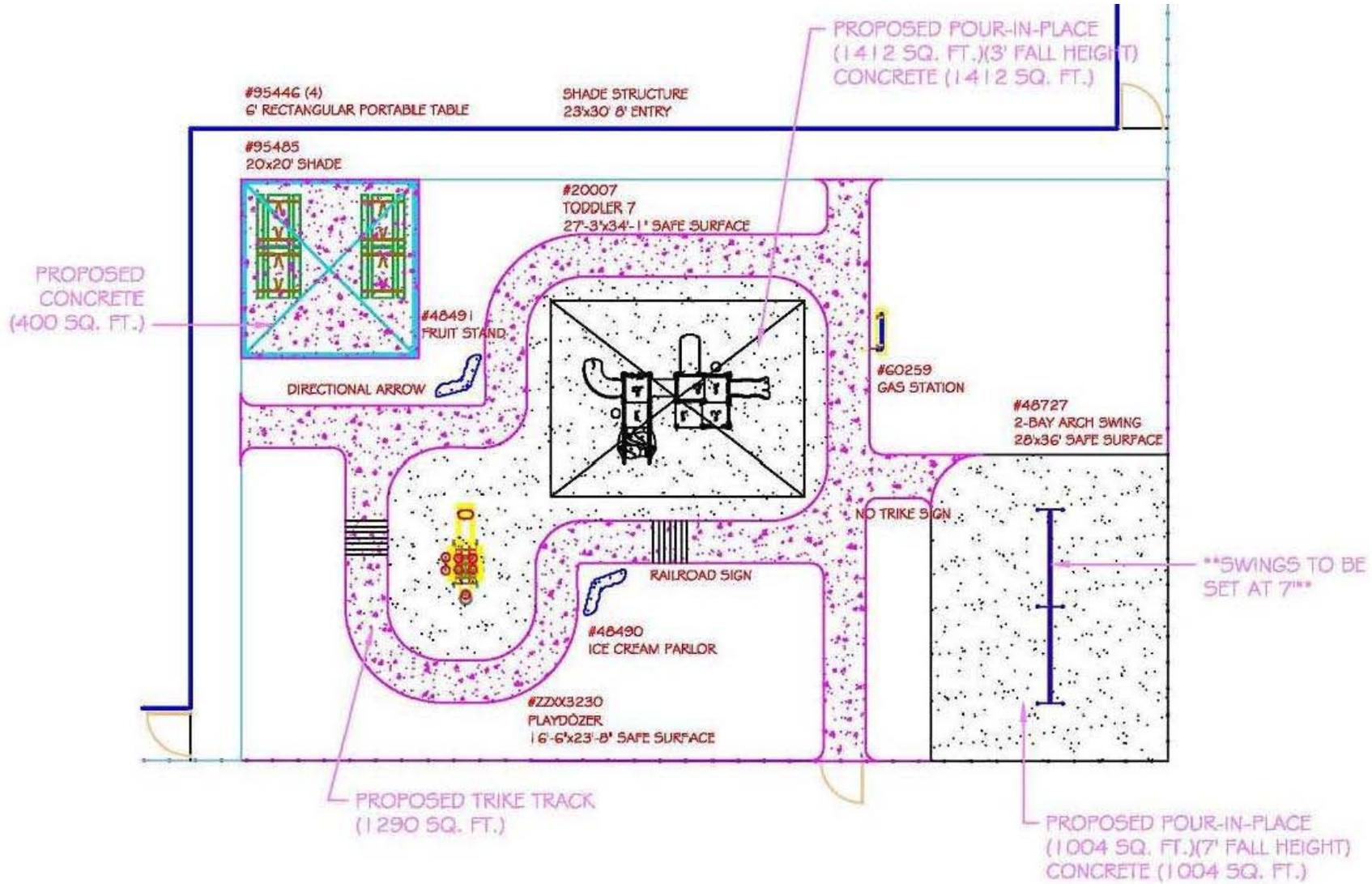
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**Playgrounds                      Small CDC Facility                      Medium CDC Facility                      Large CDC Facility                      Additional Notes**

<b>PLAY STRUCTURE</b>				
<b>Infant/Pre-Tod</b>	Art Studio - Play Designs ** May be on turf Crawler 2 - Game Time InfantFun Center - Little Tykes tot tree - Little Tykes	Art Studio - Play Designs - may be on turf, but concept developed has it on surfacing Crawler 3 - Game Time tot tree - Little Tykes Infant Fun Center - Little Tykes	Art Studio - Play Designs Crawler 3 - Game Time tot tree - Little Tykes Infant Fun Center - Little Tykes	NO EXPOSED WOOD ADA COMPLIANT UNLESS NOTED OTHERWISE, ON PLAY SURFACE
<b>Tod/Pre-School</b> (Designed for the youngest of the 2-5 age group)	680 sq. ft of use zone (resilient surfacing). Two slides or One slide and tunnel Minimum of two play panels Step/crawl or transfer point Minimum of 2 platforms Highest platform at maximum of 32" H Must accommodate minimum of 16 children at one time.	2 different pieces:  1a. 980 sq. ft. of use zone Three slides Minimum of 6 play panels Tunnel Step/Crawler Minimum of 5 platforms Highest platform at maximum of 32" H Must accommodate minimum of 42 children at one time.  1b. 400 sq. ft. of use zone Interactive/pretend-creative play Bulldozer/Firetruck/ark/train, etc. Includes steps, benches, panels, and possibly slides and other active features If possible, relate to local heritage (ie. Covered Wagons in KS) Must accommodate minimum of 5 children at one time.	1a. 680 sq. ft. of use zone Two slides Minimum of 4 play panels Step/crawl Minimum of 3 different height platforms Highest platform at maximum of 32" Must accommodate minimum of 30 children at one time.  1b. 400 sq. ft. of use zone Interactive/pretend-creative play Bulldozer/Firetruck/ark/train, etc. Includes steps, benches, panels, and possibly slides and other active features If possible, relate to local heritage (ie. Covered Wagons in KS) Must accommodate minimum of 5 children at one time.  2a. 820 sq. ft. of safety zone Spiral slide Straight Slide/Tunnel Rock crawl/climber Minimum of 3 different height platforms Minimum of 1 play panel Highest platform at maximum of 48" Must accommodate minimum of 30 children at one time.  2b. 400 sq. ft. of use zone Interactive/pretend-creative play element that is	Small: Toddler Two - Game Time Medium: Toddler Seven - Game Time 200007 Large: Toddler Six - Game Time & Amigo Island - BCI Burke #907

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<u>Playgrounds</u>	<u>Small CDC Facility</u>	<u>Medium CDC Facility</u>	<u>Large CDC Facility</u>	<u>Additional Notes</u>
<b>Pre-K/Kinder</b>	1000 sq. ft. of use zone Three Slides Rock climber or other challenging climber Tunnel Minimum of 3 play panels Minimum of 4 platforms Highest platform at maximum of 48" H Must accommodate minimum of 20 children at one time.	3 different pieces:  1a. 1000 sq. ft. of use zone Three Slides Rock climber or other challenging climber Tunnel Minimum of 3 play panels Minimum of 4 platforms Highest platform at maximum of 48" H Must accommodate minimum of 20 children at one time.  1b. 400 sq. ft. of use zone Climbing Tunnel/Rock climbing challenge  1c. 400 sq. ft. of use zone Interactive/pretend-creative play Bulldozer/Firetruck/ark/train, etc. Includes steps, benches, panels, and possibly slides and other active features If possible, relate to local heritage (ie. Covered Wagons in KS) Must accommodate minimum of 5 children at one time.	4 different pieces:  1a. 1350 sq. ft. of use zone Minimum of 3 slides, at least 1 wave and 1 curved Minimum of 4 play panels Rock climbing Other challenging climb structure Minimum of 4 different height platforms Highest platform at maximum of 48" Must accommodate minimum of 32 children at one time.  1b. 400 sq. ft. of use zone Climbing Tunnel/Rock climbing challenge  1c. 400 sq. ft. of use zone Interactive/pretend-creative play Bulldozer/Firetruck/ark/train, etc. Includes steps, benches, panels, and possibly slides and other active features If possible, relate to local heritage (ie. Covered Wagons in KS) Must accommodate minimum of 5 children at one time.	Small: Firefly - BYO; 5281 - Kidstuff Playsystems Medium: same as small
<b>SWINGS (Poured in place surfacing)</b>				
<b>Infant/Pre-Tod</b>	2-seat full-bucket arch-swing, 7' H crossbar, minimum 3.5" dia beams and legs	4-seat full-bucket arch-swing, 7' H crossbar, minimum 3.5" dia beams and legs	4-seat full-bucket arch-swing, 7' H crossbar, minimum 3.5" dia beams and legs	
<b>Tod/Pre-School</b>	4-seat arch-swing, 7' H crossbar, minimum 3.5" dia beams and legs - 4 full-bucket seats	2 sets of 2- seat arch-swings, 7' H crossbar, minimum 3.5" dia beams and legs - 2 full-bucket, 2 belt seats	2 sets of 4-seat arch-swings, 7' H crossbar, minimum 3.5" dia beams and legs - 4 full-bucket, 4 belt seats	
<b>Pre-K/Kinder</b>	4-seat arch-swing, 7' H crossbar, minimum 3.5" dia beams and legs - 4 belt seats	4-seat arch-swing, 7' H crossbar, minimum 3.5" dia beams and legs - total 4 belt seats	2 seat and 4-seat arch-swing, 7' H crossbar, minimum 3.5" dia beams and legs - total 6 belt seats	
<b>TRIKE PATHS</b>				
<b>All</b>	5' trike path req'd; resilient play surfacing in the center of trike paths for play structures	5' trike path req'd; resilient play surfacing in the center of trike paths for play structures	5' trike path req'd; resilient play surfacing in the center of trike paths for play structures	
<b>Infant/Pre-Tod</b>	1 building façade (gas station, cottage, drive thru, store, fruit stand, ice cream parlor, club house, etc.) and 2 different type signs (yield, stop, 5 mph, school zone, crossing, traffic light, etc.)	1 building façade and 3 different type signs	2 different building facades and 3 different type signs	
<b>Tod/Pre-School</b>	2 different building facades and 3 different type signs	3 different building facades and 3 different type of signs	4 different building facades and 4 different type of signs	
<b>Pre-K/Kinder</b>	4 different building facades and 3 different type signs	4 different building facades and 4 different type signs	5 different building facades and 4 different type of signs (assuming 2 different trike paths)	

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**Playgrounds**                      **Small CDC Facility**                      **Medium CDC Facility**                      **Large CDC Facility**                      **Additional Notes**

<i>SHADE STRUCTURE (water proof)</i>				
<b><u>Infant/Pre-Tod</u></b>	Minimum 20' x 20'; must cover infant fun center, and tot tree	Minimum 20' x 20'; must cover infant fun center, and tot tree	Minimum 20' x 20'; must cover infant fun center, and tot tree	
<b><u>Tod/Pre-School</u></b>	15' x 15' x 8'	20' x 20' x 8'	20' x 20' x 8'	
<b><u>Pre-K/Kinder</u></b>	15' x 15' x 8'	20' x 20' x 8'	20' x 20' x 8'	

<i>SHADE STRUCTURE 2 (shade only)</i>				
<b><u>Infant/Pre-Tod</u></b>	Must cover Crawler 2	Must cover Crawler 3	Must cover Crawler 3	
<b><u>Tod/Pre-School</u></b>	Must cover Play Structure only (not creative play element)	Must cover Play Structure only (not creative play element)	Must cover Play Structures only (not creative play element)	
<b><u>Pre-K/Kinder</u></b>	Must cover Play Structure only (not creative play element)	Must cover Play Structure only (not creative play element)	Must cover Play Structures only (not creative play element)	

<i>MISCELLANEOUS</i>				
<b><u>Infant/Pre-Tod</u></b>	Light color resilient surfacing only Minimum 50' depth of playground (from face of building)	Light color resilient surfacing only Minimum 50' depth of playground (from face of building)	Light color resilient surfacing only Minimum 50' depth of playground (from face of building)	
<b><u>Tod/Pre-School</u></b>				
<b><u>Pre-K/Kinder</u></b>	water feature (yard hydrant or stream bed, etc.)	water feature (yard hydrant or stream bed, etc.)	water feature (yard hydrant or stream bed, etc.)	

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**35. SPACE: Site/Building Exterior**

- The layout of the parking lot and traffic circulation must consider the safety of the children when entering and departing the facility. Parking lots shall be designed such that children are not required to walk behind parked vehicles as they walk from the parking lot to the building. In other words, sidewalks shall be provided immediately in front of, or beside the, parked car. These sidewalks must be sufficient width to accommodate the overhang of the vehicle and still provide ADA width, and shall be of adequate width to accommodate patrons with strollers and little children. This will eliminate the possibility of a child being required to walk behind a parked car to gain access to the building. If curbside or parallel parking is provided, parking should be restricted to the right side so children will not exit the vehicle on the street side of the vehicle. If the parking lot design requires crosswalks, as a minimum, these must be painted and identifiable with signage in appropriate locations to ensure the safety of the patrons.
- An entrance canopy must be provided. The canopy shall be permanent construction, and shall enhance the architectural theme of the facility. The minimum area of this canopy shall be 100 square feet, with a minimum dimension of 8'. Per Army criteria, this area counts as half-scope to the total square footage of the facility. Larger canopies are acceptable.
- All sidewalks and exit pathways must be ADA compliant. The sidewalk around the perimeter of the building shall be 6' wide. The sidewalk around the perimeter of the building must be directly adjacent to the building, with no grass or landscaping between the sidewalk and the building.
- Required fire exits (which includes exterior exits from all activity rooms) from the building will lead to a public way or to a clear safe area which is a minimum distance of 50 feet from the building. If this is located in a fenced area, they shall terminate at a gate in the playground fence.
- Hose bibs, 18" above finished grade, are required in each age group play space and must be of the frost/freeze protective type with removable cut off handles with integral vacuum breakers. As a minimum, hose bibs shall be located as follow:
  - 1 by the kitchen door in all size facilities
  - 1 in each of the 3 playgrounds in the small and medium facilities
  - 1 in the Infant/Pre-Tod playground, 2 in the Toddler/Pre-School playground, and 2 in the Pre-K/Kindergarten playgrounds in the large facilities
- ~~Hose bibs, 18" above finished grade, are required in each age group play space and must be of the frost/freeze protective type with removable cut off handles with integral vacuum breakers.~~
- Provide appropriate tamper-proof exterior electrical outlets near each set of exterior storage room doors. Mount the outlets at 54" A.F.F.
- Locate exterior mechanical and electrical equipment as far from the main entrance as possible. It is recommended that the mechanical yard be located at the side of the facility. Screening is required that is architecturally compatible with the facility.

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- Fire alarm audio and visual devices shall be provided by the main entrance.
- The following rendering of a CDC 0-5 Small is provided for information only. The intent of the rendering is only to provide a general 3D perspective of the building and site.

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