

3.0 CHILD DEVELOPMENT CENTER <VER>(REV 2.0 – 30 JUN 2012)</VER>

3.1. GENERAL REQUIREMENTS:

3.1.1. FACILITY DESCRIPTION:

<CDC_INFANT>The design must comply with the Army Standards for the facility type. Army Standard for Child Development Centers (CDC) for children 6 weeks-5 years is provided in Attachment A.</CDC_INFANT><CDC_CHILD>The design must comply with the Army Standards for the facility type. Army Standard for CDC for children 6-10 years is provided in Attachment C.</CDC_CHILD>

3.1.2. FACILITY RELATIONSHIPS:

Child Development Centers have specific relationships that are illustrated in the standard floor plan. Child safety is of extreme importance and is the catalyst for the specific requirements

A. The Army Standard floor plan for the project facility type and size is mandatory. <CDC_INFANT>The floor plan is provided in Attachment F</CDC_INFANT>

B. <CDC_CHILD>UFC 4-740-06 Youth Centers contains mandatory criteria; however, references to additional UFCs within are not part of the mandatory criteria. </CDC_CHILD><CDC_INFANT>The Army Standard for Children 6 weeks - 5 years references TI 800-01 Design Criteria as containing mandatory criteria. Applicable mandatory requirements from TI 800-01 have been included in the specification; do not refer to TI 800-01 for additional requirements. </CDC_INFANT>

3.1.3. ACCESSIBILITY REQUIREMENTS:

These facilities must fully comply with the latest version of the Architectural Barriers Act (ABA).

3.1.4. BUILDING AREAS:

The overall building areas are derived in accordance with the criteria in Appendix Q.<CDC_INFANT>

Small (126 Children)	15,850 square feet
Medium (232 Children)	26,450 square feet
Large (338 Children)	37,300 square feet

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Wing Addition (60 – 75 Children)	8,880 square feet
Small (105 – 135 Children)	13,929 square feet
Medium (150 – 180 Children)	20,484 square feet
Large (195 – 225 Children)	22,927 square feet

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3.1.5. ADAPT BUILD MODEL: (NOT USED)

3.2. FUNCTIONAL AND OPERATIONAL REQUIREMENTS:

Coordination at all stages of design development of CDC new construction projects is required with the Installation DPW (facilities engineer), IMCOM Center of Expertise, Region Child and Youth Services Program Manager Development Services (CDS CYS) Coordinator, the installation using service CYS coordinator; and IMCOM G-9.

3.2.1. FUNCTIONAL SPACES

A. **<CDC_INFANT>**The design must comply with the functional layouts and arrangements shown in the drawings. Room types, sizes and configurations, ceiling heights, and finishes are mandatory as denoted in the standard designs and as applicable Attachment B Design Criteria For Child Development Centers (For Children 6 Weeks – 5 Years). Any construction details, wall sections, and building elevations are purely illustrative.

</CDC_INFANT><CDC_CHILD>The design must comply with the functional layouts and arrangements shown in the drawings. Room types, sizes and configurations, ceiling heights, and finishes are mandatory as denoted in the standard designs and as applicable Attachment E CDC for Children 6-10 years Interior Finish Schedule and Room Descriptions. Any construction details, wall sections, and building elevations are purely illustrative.

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B. NON-AUTHORIZED BUILDING FEATURES

1) The following features are not authorized in CDC:

- a) Central dining rooms
- b) Combined kitchen and laundry areas
- c) Draperies
- d) Lead-based paint is not-authorized throughout (lead-based paint is defined as any paint containing more than six one-hundredths of 1 per centum (0.06 percent) lead by weight (calculated as lead metal) in total nonvolatile content of the paint, or the equivalent measure of lead in the dried film of paint already applied).
- e) Materials containing asbestos are forbidden throughout
- f) Special decorative materials, such as pictorial or high-relief tiles and carpets, are forbidden throughout

3.3. SITE FUNCTIONAL REQUIREMENTS

The Government will perform an Accreditation Inspection at 90 – 95 percent construction completion or about 30 days prior to the end of construction. The objective of the inspection is to identify any deficiencies that could prevent accreditation of the facility, rendering it unacceptable for its intended purpose. Contractor participation is preferred. However, do not perform deficiency correcting work or other tasks noted during the inspection unless specifically instructed by the Contracting Officer.

3.4. SITE AND LANDSCAPE REQUIREMENTS

A. FACILITY TYPE SPECIFIC SITE PLANNING AND DESIGN CRITERIA:

- 1) ASTM F1487 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use
- 2) ASTM F1918 Standard Safety Performance Specification for Soft Contained Play Equipment
- 3) ASTM F1951 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment
- 4) ASTM F2223 Standard Guide for ASTM Standards on Playground Surfacing
- 5) CPSC Pub No 325 (1997) Handbook for Public Playground Safety
- 6) NFPA 1 Uniform Fire Code**<CDC_INFANT>**
- 7) ASTM F2373 Standard Consumer Safety Performance Specification for Public Use Playground Equipment for Children 6 Months through 23 Months**</CDC_INFANT>**

B. CIRCULATION AND PARKING:

- 1) Design circulation, parking areas and entrance drives to meet the safety requirements for children. Provide separation of vehicular and pedestrian circulation. Minimize pedestrian crossing of traffic lanes. It is highly desirable that after parking, users do not have to cross a traffic lane to enter the building. If the crossing of a traffic lane cannot be avoided, a crosswalk must be provided. In addition, other devices to slow traffic, such as speed humps, should be provided for traffic approaching the crosswalk. The entrance drives and parking area shall comply with NFPA 1 and UFC 3-600-01 to allow fire truck access. Arrange all parking in accordance with UFC 4-010-01.
- 2) Site Traffic Impact Study: If required for the project (refer to Paragraph 6), prepare a site traffic impact study to determine the traffic patterns and the peak demand for parking. Access for fire equipment, garbage removal and other essential services must be provided.
- 3) Turnover: The circulation and parking demand includes the turnover for the hourly care program and the part-day care program. The entrance and exit drives should be designed to accommodate the flow of traffic generated by this demand.
- 4) Drop-Off Lane: Provide a drop-off lane for one bus when required by the specific project.
- 5) Security: The circulation and parking demand is impacted by the security requirement for the parent to drop off the child inside the facility and to pick up the child inside the facility.
- 6) Staff Parking: Long-term staff parking should be separate from short-term patron parking.

C. OUTDOOR PLAY AREA:

- 1) **<CDC_INFANT>**Refer to Attachments B and F for detailed requirements.
</CDC_INFANT><CDC_CHILD>Not Used**</CDC_CHILD>**
- 2) **<CDC_CHILD>**The playground design shall be reviewed by the garrison CYS staff and requires approval by the G-9 Center of Expertise (CX). **</CDC_CHILD><CDC_INFANT>**Not Used**</CDC_INFANT>**
- 3) **<CDC_CHILD>**Playground installation shall be in accordance with the Consumer Products Safety Commission (CPSC) and all applicable ASTM standards. Provide written documentation that the playground meets these standards and has been inspected by an independent Certified Playground Safety Inspector prior to the facility being turned over to the Government. Send a copy of the documentation of the installation and inspection to the G-9 CX and provide the original documents to the garrison CYS staff.
</CDC_CHILD><CDC_INFANT>Not Used**</CDC_INFANT>**
- 4) **<CDC_CHILD>**Poisonous plants, plants with thorns and fruit bearing plants are not permitted in the outdoor play or activity areas. Evaluate shrubs, bushes, trees, flowers, etc. used around the outdoor activity and play areas for potential hazard or toxicity using Peterson's Field Guide to Venomous Animals and Poisonous Plants for guidance. **</CDC_CHILD><CDC_INFANT>**Not Used**</CDC_INFANT>**
- 5) Each playground shall be provided with electrical outlets, hose bibs, and intercom.

D. UTILITIES:

Transformers and other above ground utilities should be made inaccessible to children. To meet child safety requirements concerning entrapment and fall attenuation, it is recommended that storm drainage inlets, utility clean outs, valve covers, and manhole covers be located outside the children's outdoor play area. Under no circumstances are the utilities to be sited within the fall zones of play equipment. In the event utilities must be located within the outdoor play area, the surface openings should be less than 5/16 inch to prevent finger entrapment in accordance with USCPSC guidelines and ASTM F1487 Standard Consumer Safety Performance Specifications for Playground Equipment for Public Use.

3.5. ARCHITECTURAL REQUIREMENTS

A. BUILDING EXTERIOR:

- 1) Exterior Doors: **<CDC_INFANT>**Refer to Attachment B of this Section**</CDC_INFANT><CDC_CHILD>**Refer to Attachment E of this Section.**</CDC_CHILD>** All exit door hardware shall be located 44 inches above the finished floor.

2) Exterior Signage: Identify the facility as a <CDC_INFANT>"Child Development Center" </CDC_INFANT><CDC_CHILD>"School Age Center" </CDC_CHILD>. The installation or community name or geographic location of the facility may also be used for public identification purposes.

3) Exterior Windows: Provide exterior windows as described in <CDC_INFANT>Attachment B Design Criteria For Child Development Centers (For Children 6 Weeks – 5 Years) </CDC_INFANT><CDC_CHILD> Attachment E CDC for Children 6-10 Years Interior Finish Schedule and Room Descriptions </CDC_CHILD> and that are in compliance with UFC 4-010-01. Furnish exterior windows with color coordinated horizontal blinds, which are operable by cord or hardware that can be adjusted in length to be out of the reach of children and shall be strangle-proof.

B. BUILDING INTERIOR:

1) Interior Doors: All doors are required to have half height glass except for the following:

- a) Staff Toilets
- b) Isolation Toilet
- c) Exterior doors to Mechanical Room
- d) Exterior door to Electrical Room
- e) Exterior door to Communications Room
- f) <CDC_INFANT>Toilet(s) in waiting area (0-5 CDC) </CDC_INFANT><CDC_CHILD>Not used. </CDC_CHILD>

For all doors with the requirement to have half height glass, the top of the glass panel shall be no less than 6 inches nor more than 10 inches from the top of the door. The sides of the glass panel shall be no less than 6 inches nor more than 8 inches from each side of the door. The bottom of the glass shall be no more than 3 feet-8 inches above finished floor.

2) Interior Windows: Interior windows shall be provided in accordance with the Army Standard and the Room by Room criteria.

3.5.1. FINISHES AND INTERIOR SPECIALITIES

A. SPACE CONFIGURATION: The functional relationships of spaces as shown on the drawings in the Attachments to this section are mandatory and must be followed.

1) Toilet Facilities:<CDC_INFANT> Central children's toilet facilities are prohibited in the 6 week to 5 year old CDC facilities. In these, toileting facilities are provided in each activity room. </CDC_INFANT> Provide adult toilet facilities, separate from the children's toilets, as shown on the standard plans.

2) Toilet Facilities:<CDC_INFANT> Central children's toilet facilities are prohibited in the 6 week to 5 year old CDC facilities. In these, toileting facilities are provided in each activity room. </CDC_INFANT> Provide adult toilet facilities, separate from the children's toilets, as shown on the standard plans.

3) <CDC_CHILD>Not used</CDC_CHILD><CDC_INFANT>Diaper Changing Stations: Diaper changing stations are described in the Room by Room criteria. The following elements are mandatory in all diaper changing stations:

- a) Minimum of 14 trays, with ability to slide each one in or out without affecting the other trays, must be provided behind lockable doors
- b) Retractable stairs that can be pulled out and locked in position. When pulled out, the stairs shall have limited or no side to side movement and shall be stable. The stairs shall not slide out directly on the flooring without use of casters. When the stairs are retracted into the "stored" position, they shall not protrude out from the face of the unit by more than 4 inches. Provide stairs with solid hand/guard rail on at least one side to assist the child climbing the stairs. The hand/guard rail shall be as tall as possible to not interfere with storing the stairs under the counter. Provide the hand/guard rail with a cut out handle to assist the caregiver in pulling the stairs out of the stored position.
- c) A pull-out trash container shall be provided at the opposite end of the diaper changing station than the retractable stairs.

- d) Top of diaper changing station shall be solid surfacing with no seams, shall have a 6 inch lip to prevent child from rolling off, and shall have an integral sink.
- e) The sink in the diaper changing station shall have a goose neck faucet with wrist blade handles. All sinks with exposed piping shall be provided with ADA compliant pipe covering on all pipes (supply and drain) under the sink.
- f) All sinks with exposed piping shall be provided with ADA compliant pipe covering on all pipes (supply and drain) under the sink. <CDC_INFANT>
- 4) <CDC_INFANT>Admin Offices and Active Play Room: In addition to the acoustical requirements in the Room by Room criteria for U.S. Army Child Development Centers, the admin offices must be provided with walls with a minimum STC rating of 45. This includes the wall between the open office area and the kitchen. In addition, ceilings in this area must have a CAC of 40 as a minimum. The ceiling in the Active Play Room must also have a minimum CAC of 40. <CDC_INFANT><CDC_CHILD>Not used</CDC_CHILD>
- 5) Reception: Duress Alarm shall be provided at the reception counter. This alarm shall directly signal the MP's.
- 6) Interior Finishes: No stained or acid etched concrete allowed. Interior finish materials shall be as indicated in <CDC_INFANT>Attachment B</CDC_INFANT><CDC_CHILD>Attachment E</CDC_CHILD>. Provide interior colors as indicated in the color scheme provided in Attachment I of this section.
- 7) Special Protection: Provide surface-mounted, high impact integral color rigid vinyl corner guards at all outside corners of gypsum board walls, and stainless steel corner guards at all outside corners of ceramic tile walls, especially where subject to heavy traffic. Also, consider installing chair rails in areas prone to hi-impact use, such as corridors, etc.
- 8) Art Sink: <CDC_CHILD>Provide a two compartment stainless steel sink with plaster trap for children to use in art and other activities requiring water and cleanup in the activity room identified for arts and crafts only. Provide a floor drain adjacent to the sink area.</CDC_CHILD><CDC_INFANT>No special requirements.</CDC_INFANT>

B. FINISHES: <CDC_CHILD>Attachment E provides the minimum requirements for room features and finishes. Materials that provide a better functional solution may be utilized if approved for child and youth center facilities.</CDC_CHILD><CDC_INFANT>Attachment B provides the minimum requirements for room features and finishes. Materials that provide a better functional solution may be utilized if approved.</CDC_INFANT>

C. COMPREHENSIVE INTERIOR DESIGN (CID): For CDC projects, a CID package is not required. The Contractor is not responsible for selecting or purchasing furniture. However, a Structural Interior Design (SID) package limited to a room finish schedule and interior and exterior color boards is required reflecting the color schemes indicated in Attachment I.

3.6. STRUCTURAL REQUIREMENTS

Design and construct as a complete system in accordance with APPLICABLE CRITERIA.

3.7. THERMAL PERFORMANCE – NOT USED

See Paragraph 6.7

3.8. PLUMBING REQUIREMENTS

Provide plumbing in accordance with ICC IPC International Plumbing Code. <CDC_CHILD>Plumbing shall also comply with UFC 4-740-06 Youth Centers.</CDC_CHILD>

A. WATER TEMPERATURES:

The hot water temperature in kitchen areas shall be a minimum of 140 degrees F and 180 degrees F for non-chemical sanitization process, in order to sanitize cooking and eating utensils in accordance with TB MED 530 Food Service Sanitation. Hot water temperatures for lavatories used by both adults and children shall be 80 to 95 degrees F and must not exceed 110 degrees F. Hot water temperature for laundries shall be 140 degrees F.

B. FREE OF LEAD:

Extreme care is required to ensure that potable water systems "free of lead" have been installed. A thorough pre-sterilization flushing is important for removing sediment and solder/flux trash from the potable water lines. Liquid chlorine is highly corrosive and contributes to leaching lead from brass or other lead containing metals. High chlorine levels shall not be allowed to remain in the plumbing system after the required holding period. "Lead-free" may not really mean lead free. Virtually all brass plumbing parts still legally contain 5-7 percent lead. Care shall be taken to install lead free potable water systems as defined by the ICC IPC.

C. DRINKING FOUNTAIN:

Provide all chilled water drinking fountains with timers for the disconnection of power during non-occupancy hours.

3.9. COMMUNICATIONS AND SECURITY SYSTEMS

Communications design must be performed and stamped by a Registered Communications Distribution Designer (RCDD) with 2 years related experience. The information systems designer must prepare the test plan, and witness and certify the testing of telecommunications cabling.

A. TELECOMMUNICATION SYSTEMS:

Telecommunications must be designed in accordance with the Technical Guide for Installation Information Infrastructure Architecture (I3A). An acceptable building telecommunications cabling system encompasses, but is not limited to, copper and fiber optic (FO) entrance cable, termination equipment, copper and fiber backbone cable, copper and/or fiber horizontal distribution cable, workstation outlets, racks, cable management, patch panels, cable tray, cable ladder, grounding, and labeling.

1) Infrastructure: Telecommunications infrastructure shall meet the I3A and ANSI/TIA/EIA requirements. Distribution shall be via cable trays and/or EMT throughout the building. Provide a minimum 1 inch EMT from the outlet box to the distribution system. Terminate copper distribution cable in the Telecommunications Room on Cat 6 cabinet or rack mounted patch panels with 110-type compliant connectors on the back and 8-pin modular connectors on the front.

2) Outlets: Provide telecommunications outlets in accordance with the I3A based on functional purpose of the various spaces within the facility as modified by user special operational requirements. Voice/data outlets shall be two 8-pin modular (RJ45 type) outlet/connector in a double gang outlet faceplate, one connector labeled voice use and one labeled data use. Copper outlet/connector must be TIA/EIA Category 6 for all projects. Install one Cat 6 UTP cable to each connector provisioned at the faceplate, wired in accordance with T568A (default configuration). Provide each utility space, such as mechanical, electrical and telecommunications rooms with at least one wall mounted, single connector telecommunications outlet, with a wall mounting lug face plate near the entrance door.

3) Outside Plant Telecommunications Systems: Connect the project's facilities to the Installation telecommunications (voice and data) system through the outside plant (OSP) underground infrastructure in accordance with I3A guidance. Connections to the OSP cabling system shall be from each facility main cross connect located in the main telecommunications room or telecommunications equipment room to the closest OSP access point. Components include the physical cable plant and the supporting structures. Items included under OSP infrastructure encompass, but are not limited to, maintenance hole and duct infrastructure, copper cable, fiber optic cable, cross connects, terminations, splices, cable vaults, and copper and FO entrance facilities. Provide two 4-inch ducts with fabric innerduct and pull cords for copper and fiber optic cables.

4) Telecommunications Rooms (TR): Provide telecommunications rooms and telecommunications entrance facilities for unclassified network and voice equipment and cabling infrastructure throughout the facilities. Provide a minimum of one telecommunications room on each floor, located near the center of the building. Design and provision the telecommunications rooms in accordance with the I3A Guide and ANSI/EIA/TIA-569-B. Provide one telecommunications entrance capability for each facility. The telecommunications entrance may be collocated with the main TR for the facility. Cover three walls of each telecommunications room with fire-resistant interior plywood.

B. CABLE TV (CATV):

Provide a completely operational CATV cabling system including, but not limited to, all necessary raceways, cabling, terminations, jacks and faceplates. CATV riser cable shall be RG-11 type. The horizontal cable for the CATV system shall be RG-6 with "F" type connectors on the terminal end. Terminate the CATV cabling on splitters located on the CATV backboard in the telecommunications room, or in a location indicated by the DOIM. All CATV horizontal cabling shall be homerun between CATV jacks and the CATV backboard. Coordinate service requirements to the building with the local CATV service provider. At a minimum provide one 4-inch empty conduit stubbed out of the building to facilitate the CATV service entrance.

C. AUDIO/VISUAL SYSTEMS:

Intercommunications System: Provide a complete intercom system with master station at the reception desk and slave stations in childcare, administrative areas and the entry vestibule. Slave units shall only be able to communicate with the master station. Master station shall be desk-top, hand-held device.

D. MASS NOTIFICATION SYSTEMS:

Provide a Mass Notification System in accordance with UFC 4-021-01 and as directed herein. Combine fire alarm and mass notification systems where possible.

E. COMPUTER LAB:

<CDC_CHILD>A minimum of a 525 square foot area or 35 square feet of useable space per child in the Computer Lab. This space accommodates 15 computer workstations in the 180 and 225 capacity facilities. In the 75 capacity wing addition and in the 135 child capacity facility this area dual functions as a Computer Lab and Homework Center with seven computer workstations. Connectivity to support the appropriate number of computers, servers, and printers is installed as part of construction. **</CDC_CHILD><CDC_INFANT>**Not Used. **</CDC_INFANT>**

3.10. ELECTRICAL REQUIREMENTS

A. GENERAL:

Electrical power, lighting and telecommunications shall be provided to the facility as specified below, in accordance with APPLICABLE CRITERIA, GENERAL TECHNICAL REQUIREMENTS, all IEEE Standards (including Recommended Practice) where the scope is applicable to this design effort, all UL Standards where the UL scope is applicable to this design effort, and where itemized in the combined interdisciplinary areas cited.

- 1) Perform a short circuit study as an integral part of selecting and sizing electrical distribution components (all equipment shall be fully rated; that is, do not use series-combination rated equipment).
- 2) Perform a coordination study to ensure that protective device settings are appropriate for the expected range of conditions (depending on the design and construction schedule, it is acceptable to design adequate protective devices with adjustable features, followed by a coordination study required during construction to specify the correct settings.)
- 3) Circuit breakers, disconnect switches, and other devices that meet the OSHA definition of energy-isolating device must be lockable.
- 4) Do not exceed 5 percent combined voltage drop on feeders and branch circuits if the transformer providing service is located within the facility. If the transformer is located exterior to the facility, limit the combined voltage drop for service conductors, feeders, and branch circuits to 5 percent. Individual voltage drop on branch circuits should not exceed 3 percent. Branch circuits supplying sensitive circuits should be limited to 1 percent voltage drop.
- 5) Locate electrical distribution equipment installed within the facility, including dry-type transformers and electrical panels, within dedicated electrical rooms/closets. Electrical Panels dedicated to serving equipment within a dedicated Mechanical Room are allowed to be installed in the Mechanical Room provided the electrical panels are provided with the required access, dedicated electrical spaces, and working clearances. Panels shall be lockable and keyed to one master key.

- 6) When facility electrical design includes a 480/277V power distribution system, mechanical systems and lighting systems shall generally be fed from the available 480/277V power distribution system.
- 7) In general, to minimize sound transmission, do not install “back-to-back” outlet boxes.
- 8) Locate electrical transformers and other above-ground utilities so they are outside of the fenced playground and inaccessible to children. Locate manhole covers, handhold covers outside the children’s outdoor play area.
- 9) Do not install surface mounted raceways, boxes or partially-recessed enclosures in areas or passageways used by children.
- 10) General use receptacles in laundry rooms shall be provided with Ground Fault Circuit Interruption (GFCI). GFCI is not required for laundry room fixed installation equipment.
- 11) Provide dedicated electrical circuit for cold storage.
- 12) Provide dedicated power to the Video Monitoring Security System/Closed Circuit Television (CCTV) System.

B. INTERIOR ELECTRICAL POWER:

- 1) Receptacle Placement. In accordance with applicable codes, standards, referenced UFCs, and the attachments to this section. In general, unless otherwise noted, provide NEMA 5-20R wall duplex outlets. In general, provide wall duplex outlets not less than 8 feet on center. Provide not less than one duplex outlet per wall on walls less than 9 feet long. Locate outlets to eliminate the need for extension cords. Above counter receptacles shall be mounted in the vertical wall space above the counter-top. Data, CATV, and CCTV outlets shall each be provided with an associated duplex receptacle. <CDC_INFANT>Provide the child activity areas with wall duplex outlets that are at a horizontal wall spacing of no more than 6 feet from outlet to outlet. Provide duplex outlets in Child Activity Areas for items such as a small refrigerator, AV equipment, CCTV system, telephones, and computers for staff and children. Receptacles for refrigerators are to be child-safe and mounted 18 inches above the floor in a location that will be blocked by an installed refrigerator. Coordinate the location of electrical outlets with crib location and general room arrangement. </CDC_INFANT>
- 2) Receptacle Mounting Height. In accordance with applicable codes, standards, referenced UFCs, and the attachments to this section. Unless indicated otherwise, mount general use receptacles 18 inches above finished floor. <CDC_INFANT>Mount tamper-resistant receptacles in all child accessible areas 54 inches above the finished floor. </CDC_INFANT>
- 3) Tamper-resistant Receptacles. <CDC_INFANT>Install tamper-resistant electrical outlets in areas accessible to children, including corridors. Use tamper resistant/GFCI where GFCI is required by code. </CDC_INFANT><CDC_CHILD>No special requirements. </CDC_CHILD>

C. INTERIOR LIGHTING:

- 1) General Lighting. In accordance with applicable codes, standards, referenced UFCs, and the attachments to this section. Lighting design shall consider ease of facility maintenance and minimize the lamp types and wattages used throughout the facility. Provide emergency lighting in all areas required by NFPA 101, in all child care activity rooms, and at the front desk area for desk attendant to make emergency calls and carry out other duties necessary for the safety and security of the children. Whenever possible, unless otherwise noted, incorporate the emergency lighting into the normally provided lighting fixtures. <CDC_INFANT>Furnish fixtures in child accessible areas with shatter-proof lenses totally enclosing the lamps within the luminaire. A combination of direct and indirect lighting in the child activity areas and corridors is preferred. </CDC_INFANT>
- 2) Dimming and Switching. In accordance with applicable codes, standards, referenced UFCs, and the attachments to this section. Where dimmer controls are used, provide lighting fixtures that do not oscillate visibly at low intensities.<CDC_INFANT> Provide child activity rooms, training room, Staff Offices/Rooms, Lobby, and Corridors with dimming or a multilevel switching scheme (three lamp fixtures with inboard lamp switched separately from the two outboard lamps to provide three distinct, evenly distributed lighting levels.)</CDC_INFANT>
- 3) Occupancy Sensors. Occupancy sensors that switch all lighting “OFF” during facility operations when the area is not occupied are not allowed in any common areas/corridors, are not allowed in any administrative/staff area, and are not allowed in any room that requires a door with half height glass. In all common areas/corridors,

in all administrative/staff area, and in all rooms with doors with half height glass, the lights must be able to be switched "ON", and left "ON", by the users.

3.11. HEATING VENTILATING AND AIR CONDITIONING (HVAC) REQUIREMENTS

A. GENERAL HVAC CRITERIA:

- 1) ICC IMC International Mechanical Code<CDC_CHILD>
- 2) UFC 4-740-06 Youth Centers </CDC_CHILD>

B. TEMPERATURE CONTROL:

Install thermostats 54 inches above the floor with a protective covering. <CDC_INFANT>Temperature shall be based on conditions at 12 inches above finished floor. </CDC_INFANT>

C. SPACE TEMPERATURE AND HUMIDITY:

- 1) <CDC_INFANT>Not Used</CDC_INFANT><CDC_CHILD>In lieu of the requirement in Chapter 4, comply with UFC 4-740-06 Youth Centers space temperature and humidity requirement. </CDC_CHILD>
- 2) <CDC_CHILD>Not Used</CDC_CHILD><CDC_INFANT>Heat Generation: For additional comfort in the infant and pre-toddler activity rooms, utilize radiant floor heating as a primary or supplemental heating source. </CDC_INFANT>

D. MECHANICAL EXHAUST:

In addition to the requirements in Attachment <CDC_INFANT>B</CDC_INFANT><CDC_CHILD>E</CDC_CHILD>, provide mechanical exhausts for laundries.

E. OTHER SPECIAL HVAC SYSTEMS AND EQUIPMENT:

Consider noise level, service, and efficiency when locating equipment. Do not place HVAC equipment in playground areas. Whenever possible, provide HVAC separate from the other building systems. Apart from other advantages, this will facilitate better filtration of the dust and molds that many children are particularly sensitive to. In addition to heating and cooling equipment, consider a humidifier/dehumidifier to meet required levels. Also note the following:

- 1) Provide proper exhaust venting for range and clothes dryer.
- 2) Install air diffusers that minimize drafts on children.
- 3) HVAC Systems and equipment shall meet the requirements of UFC 4-010-01. This UFC includes specific requirements for air intakes to HVAC systems and emergency air distribution shutoff for example.
- 4) <CDC_CHILD>Not Used</CDC_CHILD><CDC_INFANT>Provide carbon monoxide detectors as required by National Association for the Education of Young Children (NAEYC) accreditation requirements. </CDC_INFANT>

3.12. ENERGY CONSERVATION REQUIREMENTS

Refer to paragraph 5.9 and paragraph 6.12 for energy conservation requirements.

3.13. FIRE PROTECTION REQUIREMENTS

A. GENERAL:

Requirements are based on NFPA 101 Life Safety Code for <CDC_INFANT>New Day Care occupancy</CDC_INFANT><CDC_CHILD>Assembly and Educational occupancy, where applicable</CDC_CHILD>.

B. FIRE DETECTION AND ALARM AND MASS NOTIFICATION:

Provide addressable fire alarm system in accordance with NFPA 72 and NFPA 101. Locate control panels in an environmentally controlled location. Combine fire alarm and mass notification systems where possible.

- 1) Smoke Detectors: Provide smoke detectors in all environmentally conditioned spaces, including storage over 20 square feet, except for the kitchen. Also provide smoke detectors at all exterior storage rooms. No heat detectors are required in this facility.
- 2) Manual Pull Stations: Provide manual pull stations inside the facility at each exterior exit door.
- 3) Transmitter: Provide a fire alarm transmitter compatible with the installation fire alarm receiving equipment to transmit fire alarm and system supervisory signals to the installation fire alarm reporting center. Consult with the installation Fire Chief or fire system maintenance activity. This may be a sole source item.
- 4) Magnetic Latches: Install magnetic latches to hold fire doors open in area separation wall(s) that release when the fire evacuation signal sounds. However, do not provide a magnetic hold open device on the kitchen or Laundry Room door.
- 5) Annunciator: Provide either a graphic or alphanumeric annunciator at the front desk or vestibule.
- 6) Notification Devices: Provide audible (voice) and visual notification devices throughout the facility.

C. FIRE SUPPRESSION SYSTEMS:

Provide complete automatic sprinkler systems according to NFPA 13 Installation of Sprinkler Systems and UFC 3-600-01 Fire Protection Engineering for Facilities for all CDCs. **<CDC_CHILD>**Fire suppression systems for CDCs classified for 6 - 10 year old children shall also comply with UFC 4-740-06 Youth Centers.

</CDC_CHILD><CDC_INFANT>Sprinkler heads and other equipment on walls and ceiling (exit signs, smoke detectors, etc.) must be protected by a metal "cage" in the Active Play Room to protect from damage from balls. **</CDC_INFANT>**

D. FIRE EXTINGUISHERS

Provide accommodations for fire extinguishers as required by NFPA 10.

3.14. SUSTAINABLE DESIGN – NOT USED

See Paragraphs 5.12 and 6.14

3.15. ENVIRONMENTAL – NOT USED

See Paragraph 6.15

3.16. PERMITS – NOT USED

See Paragraph 6.16

3.17. DEMOLITION – NOT USED

See Paragraph 6.17

3.18. ADDITIONAL FACILITIES – NOT USED

See Paragraph 6.18

3.19. EQUIPMENT AND FURNITURE REQUIREMENTS – NOT USED

3.19.1. FURNISHINGS – NOT USED

3.19.2. EQUIPMENT – NOT USED

3.20. FACILITY SPECIFIC REFERENCES:

The Attachments represent the Army Standards at the time of award. The Standards may be updated through the course of the contract. Information provided with the project task orders will take precedence.

- A. Attachment A – **<CDC_CHILD>Not Used</CDC_CHILD><CDC_INFANT>Army Standard for Child Development Centers (for children 6 weeks - 5 years) </CDC_INFANT>**
- B. Attachment B – **<CDC_CHILD>Not Used</CDC_CHILD><CDC_INFANT>Design Criteria For Child Development Centers (For Children 6 Weeks – 5 Years)</CDC_INFANT>**
- C. Attachment C – **<CDC_INFANT>Not Used</CDC_INFANT><CDC_CHILD>Army Standard for Child Development Centers (for Children 6-10 Years) </CDC_CHILD>**
- D. Attachment D – Not Used
- E. Attachment E – **<CDC_INFANT>Not Used</CDC_INFANT><CDC_CHILD>CDC for Children 6-10 Years of Age Interior Finish Schedule and Room Descriptions</CDC_CHILD>**
- F. Attachment F - **<CDC_CHILD>Not Used</CDC_CHILD><CDC_INFANT>Child Development Center (CDC) for Children 6 Weeks - 5 Years Old Standard Plans</CDC_INFANT>**
- G. Attachment G - Not Used
- H. Attachment H - **<CDC_INFANT>Not Used</CDC_INFANT><CDC_CHILD>Child Development Center (CDC) for Children 6-10 Years Old Standard Plans</CDC_CHILD>**
- I. Attachment I –Army Child Development Center
<CDC_SW_NO>Primary</CDC_SW_NO><CDC_SW>Southwest</CDC_SW> Color Scheme

SAMPLE

ATTACHMENT A
THE ARMY STANDARD FOR CHILD DEVELOPMENT CENTERS
(FOR CHILDREN 6 WEEKS – 5 YEARS)

Description:

Child Development Centers are required by the Army to support readiness of families by reducing the conflict between military mission workforce requirements and parental responsibilities. There are several Military unique factors which impact on the need for child development centers to include: younger families with children away from extended families; large infant and toddler populations; variety of short and long program options needed; services required 10-12 hours a day and evenings and weekends as needed. Availability of facilities, predictability of facility layout and design, and the consistency of facility standards across the Army and the Department of Defense have contributed to the Military child development programs being the model for the nation. The Army Standards define the mandatory components, functional capabilities and relationships, and features and characteristics of the facility. The Army Standards for Child Development Centers for children 6 weeks – 5 years of age are based on Army Baseline Standards, DoD requirements for certification and the National Association for the Education of Young Children requirements for accreditation.

CATEGORY CODE	DESCRIPTION
74017 Child	Development Center – Under 6 Years of Age

Facilities covered in this standard are for the child development centers for children 6 weeks – 5 years of age with the following child capabilities:

- Small 126 child capacity
- Medium 232 child capacity
- Large 338 child capacity

Applicability

- The Army Standard applies to Army facilities worldwide.
- The Army Standard is mandatory for all construction projects effective in FY08 and beyond.
- All geographic districts shall incorporate the mandatory design criteria described herein in close coordination with the USACE designated Center of Standardization (COS) for Child and Youth Services.
- All Child Development Center projects must be reviewed by the COS and IMCOM Center of Expertise to ensure conformance with the Army Standard.

Waivers:

- Only the Assistant Chief of Staff for Installation Management has authority to approve exceptions to the Army Standards.
- Waivers from the Army Standard must be requested in accordance with AR 420-1 and the Army Facilities Standardization Program Charter, latest edition.
- All waiver requests to the Army Standards require COS conflict resolution prior to submission by the Garrison Commander.
- Garrison Army Standard waiver request submissions must be received in sufficient time to allow complete review by the Facility Design Team and development of recommendations or course of action for the AFSC to consider prior to implementation into project design.
- Late submissions and/or project delays are NOT sufficient stand-alone justification for accelerated review or other dispensation for not meeting the Army Standard contained herein.

**THE ARMY STANDARD FOR CHILD DEVELOPMENT CENTERS
(FOR CHILDREN 6 WEEKS – 5 YEARS OF AGE)**

Item	Mandatory Criteria
Central Counter/Reception Desk	Must have central counter for clerk to view/observe the flow of children, parents and visitors. Reception counter to be two tiered with no sharp edges. The lower level to be 30" above the finished floor (AFF) and the upper level at 42" AFF. Provide communication and data connectivity to include access control and central intercom system. The configuration and functional relationship between the main entry and the reception counter/desk must be maintained for access control.
Isolation Area	Must have a small space designated behind the reception desk to serve as a rest area for sick children. Area to be sized to accommodate a cot or crib and lockable area for storage of first aid supplies. Space is immediately adjacent to the reception area. Receptionist must be in the direct line of site of this area. Immediate access to bathroom facility must be provided for ill child. Locate a single occupant child height ADA compliant toilet (15" to the toilet rim) and sink (20" AFF) immediately adjacent to the isolation area. Self priming floor drain required to prevent sewer gases from occupying space.
Patron/Visitor Waiting Area (Lobby)	Must have a waiting area for parents and visitors adjacent to the central counter/reception desk. The configuration and functional relationships between the main entry, reception counter and public toilet shall be maintained since visual control of these areas is required.
Car Seat/Stroller Storage Area	Must provide an area for patrons to leave car seats and strollers in an area directly accessible from the corridor and waiting area. Space to include shelving for car seats and open space to park strollers.
Public Toilets	Handicapped accessible public toilet(s) for parents and visitors shall be located within view of the reception area. For medium and large facilities, a minimum of two (2) separate public toilets are required. For small facilities, one (1) unisex toilet is required.
Administrative Offices/Workstations	At a minimum, must provide a private office for the Director and Assistant Director(s). All other administrative staff to be provided with workstations. The Director's office to be adjacent to the reception counter/patron waiting area and accessible to parents and visitors. Provide communication and data connectivity.

Item Mandator	y Criteria
Staff Lounge	Must be provided in all child development centers. Allow adequate space for comfortable seating along with table/chairs for 25% of the staff. Provide a solid surface counter top with integral backsplash and single compartment sink/faucet. Provide GFCI electrical outlets above the counter for microwave and other appliances. Provide space for refrigerator and vending machine along with electrical outlets and water line to support ice making capability in freezer. Full height lockers for administrative and kitchen staff secured to the wall are to be provided. Provide communication and data connectivity.
Training Room	Must provide a training room to include a minimum of two workstation(s) for the Training and Curriculum Specialist (TACS). Provide electrical outlets, data ports and phone lines for these workstations. Include a work counter/surface to accommodate up to three (3) computers to facilitate training/distance learning by direct care staff. Provide communication and data connectivity.
Staff Toilets	Must provide staff toilets separate from the public toilets. One water closet for every 15 employees scheduled to be in the facility at any one time. Locate staff toilets near the children's activity rooms.
Central Storage and Interior Storage Closets	Must provide a central storage room near the administrative office and interior storage closets for storage of program materials.
Infant/Pre-Toddler/Toddler Activity Room	<p>Must provide infant/pre-toddler/toddler activity rooms to accommodate up to 14 children at 35 sq ft of useable space per child. Space dual functions for eating and sleeping.</p> <p>A sign-in desk to be located immediately inside the entrance to the room. Provide communication and data connectivity and intercom phone connection. Storage for direct care staff's coats and lockable storage for personal items (e.g. handbags) above the sign-in desk is required.</p> <p>Built in diaper changing station with sink and a 6" lip to prevent infant from rolling off the table along with an unbreakable mirror installed along the back wall is required. Goose neck faucet and wrist blade handles required at sink. Provide an exhaust fan at each diaper changing station.</p> <p>Must provide a solid surface food preparation/art counter with upper and lower cabinets with 2 separate sinks. Provide space and electrical outlet for under-the-counter refrigerator.</p> <p>Room must have an exterior door to accommodate the evacuation of cribs. Door to open at least 110 degrees in the direction of exit travel to ease evacuation.</p> <p>Two (2) pediatric toilets (10" to the rim) with floor drain. Toilets are to be separated with a toilet partition. Toilets shall not be provided with automatic flush valve. Provide an exhaust vent located within the wall directly behind the toilet area</p> <p>Two (2) wall hung child size sinks (1'5" AFF) for hand washing must be provided. Wall hung unbreakable safety mirror to be placed</p>

Item Mandator	y Criteria
	<p>above each sink. Sinks to be opposite toilets.</p> <p>One (1) separate drinking fountain with guarded stream drinking head to be provided in each activity room – 1'5" AFF.</p> <p>Fourteen (14) cubbies to be provided for storage of children's belongings.</p>
Infant Buggy Storage Area(s)	<p>Must provide open area(s) designed for a place to store the "bye-bye" buggies for infants. Buggies are approximately 76" X 26". Storage area(s) to be in close proximity of the infant room(s). One (1) buggy for every 2 infant/pre-toddler/toddler classrooms to be provided. Each buggy storage to accommodate 2 buggies</p>
Preschool/Pre-kindergarten/Kindergarten Activity Rooms	<p>The preschool/pre-kindergarten/kindergarten room has space provided to accommodate up to 24 children. This activity room provides 35 square feet of useable program space per child. Activity space dual functions for eating and sleeping.</p> <p>A sign-in desk to be located immediately inside the entrance to the room. Provide communication and data connectivity and intercom phone connection. Storage for direct care staff's coats and lockable storage for personal items (e.g. handbags) above the sign-in desk is required.</p> <p>Must provide a solid surface food preparation/art counter with upper and lower cabinets with 2 separate sinks. Provide space and electrical outlet for under-the-counter refrigerator.</p> <p>Two (2) pediatric toilets (13" to the rim) with floor drain to be provided. Toilets shall not be provided with automatic flush valve. Child toilet area for this age group must meet ADA requirement. Provide an exhaust vent located within the wall directly behind the toilet area.</p> <p>Two (2) wall hung child size sinks (1'8" AFF) for hand washing must be provided opposite the toilet stalls. Wall hung unbreakable safety mirror to be placed above each sink. Access area to be plumbed in for hot/cold water in half wall opposite children's sinks for potential future need of diaper changing table (e.g. special needs children). Cover with access panel.</p> <p>One (1) separate drinking fountain with guarded stream drinking head to be provided in each activity room – 1'8" AFF.</p> <p>Twenty four (24) cubbies to be provided for the Preschool/Pre-Kindergarten/Kindergarten Room.</p> <p>Provide for two (2) additional electrical outlets to accommodate children's computer workstations in each activity room.</p> <p>Each activity room will have a direct exit to the outdoors for play and emergency exit. Doors will swing in the direction of exit travel.</p>

Item Mandator	Criteria
Active Play Room	An indoor play area for children to utilize during inclement weather/temperature extremes. Space is sized for up to 24 children at a minimum of 45 sq. ft. per child. Provide for a seamless, flexible, shock absorbing flooring that can withstand trikes, skates, ball play, etc. Cased opening with area for pediatric toilet (13" to the rim) with toilet partition and sink (1'8" AFF) off the active play room. Direct access to storage for supplies and equipment needed in this space. Exit door to swing in the direction of exit travel.
Outreach/Transition Care Room	Accommodates children on a short term occasional basis such as for Family Readiness Groups (FRG), Deployment Support, Reunion Care, Respite Care, in-processing of soldiers, etc. Room size/mandatory features are the same as the Preschool/Pre-Kindergarten/ Kindergarten activity room. Diaper changing station to be installed in this room. Toilets are sized 10" and 13" to the rim; sinks are sized 1'5" and 1'8" AFF to accommodate the varying ages of children Infants-Kindergarten.
Commercial Grade Kitchen	<p>Must provide a commercial grade kitchen. Locate the kitchen on an exterior wall adjacent to the service area with a direct service entrance. Kitchen door to swing out into the corridor for easy exit with food. Door to be provided with locking mechanism. Exterior door from the kitchen leading to the service entrance shall be equipped with an air curtain.</p> <p>Kitchen must include a dry storage area with shelving.</p> <p>Provide communication and data connectivity and intercom phone connection to support communication with the front desk and placing food orders on-line.</p>
Janitorial Closet	A janitorial closet is required and equipped with a low mop sink, a place to store janitor's equipment and cleaning supplies, and a rack to promote hanging/air drying of mops. Door must have a locking mechanism and be designed to swing out into the corridor 180 degrees to prevent impeding on emergency egress.
Laundry Room	<p>Must provide separate space for heavy duty commercial laundry equipment - washer(s) and dryer(s). Allocation is as follows:</p> <ul style="list-style-type: none"> * Small CDC – 2 washers and 2 dryers * Medium and Large CDC – 3 washers and 3 dryers <p>Dryer vent shall be individually and directly vented directly to the outside. Laundry room to be secured with locking mechanism. Locate laundry room on an exterior wall to allow for horizontal venting of the dryers. Provide for a laundry tub and self priming floor drain to prevent sewer gases from filtering into the facility. Provide counter for folding clothes with upper and lower cabinets for storage of laundry materials.</p>
Vision Panels	All doors, except adult toilets, must have a vision panel. Vision panels in doors to be a minimum of half-height glass and shall be provided with a 12" wide side-lite. Vision panels must also be provided in corridor walls and shall extend from normal 6'8" – 7'-0" height to 54" above the finished floor. Vision panels are integral to

Item Mandator	y Criteria
	visual monitoring and provide an additional risk prevention measure. Tempered glass shall be utilized.
View Windows	View windows are required to provide children the opportunity to look out of or into the activity room. View window shall extend from normal 6'8" -7'0" height to within 18" or 24" above the finished floor. Safety glass shall be provided as required. All doors into activity room shall be provided with a 12" wide side lite (safety glass). Side lites shall extend the height of the door.
Exterior Windows	Exterior windows shall meet the UFC 4-010-01 requirements for ATRP. Windows to open from top only. Individual windows shall be single hung with only the top portion operable. All windows to be screened. Windows to be low enough to enable children to look outside (18"-20" AFF). Window stools to be flush with the walls and/or radiused so there are no sharp edges.
Intercom System	Must have a two-way intercom system capable of allowing program staff to communicate with the main reception desk and other areas of the building. Main reception desk to have capability to contact any and all rooms with the exception of the mechanical, communication, electrical, storage, and camera equipment room. System to enable front desk staff to contact rooms individually or all rooms simultaneously via hand held handset.
Intrusion Alarm	An audible warning device shall be provided at each exterior corridor door leading to an unfenced area with the exception of the main entry and kitchen. The audible device shall have a different sound from the fire alarm system. Alarm must be capable of being heard at the reception desk.
Video Monitoring Security System/Closed Circuit Television (CCTV)	Must have video monitoring system to deter and reduce the risk of child abuse and protect staff from unwarranted allegations of abuse. Conduits, power, and cabling are to be installed as indicated on the standard design.
Camera Equipment Room	Separate room or area will be provided store the equipment racks for the video monitoring security system. Racks are approximately 48"W x 30"D x 84" H. Special consideration for heat build up is required. Targeted temperature is 70 degrees F. Maximum temperature is 85 degrees F.
Playground / Outdoor Play Areas	<p>Outdoor play areas (playgrounds) serve as extensions of classroom spaces and must be provided to support programming. Playground is divided into individual areas to accommodate the different age groups occupying the facility. Separate play areas are required for each age group of children: infant/pre-toddler; toddler; and preschool/pre-kindergarten/kindergarten.</p> <p>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.</p> <p>Playgrounds must meet guidelines contained in the Consumer</p>

Item Mandator	y Criteria
	<p>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). Specific play areas shall 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.</p> <p>A playground safety surface shall be provided throughout all use zones and under all play equipment.</p> <p>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.</p> <p>Outdoor Play Area must be fenced. 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.</p> <p>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.</p> <p>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) by Steven Foster and Roger Caras.</p>
Exterior Storage Rooms	Must provide secured storage rooms to support the outdoor activity areas. Exterior storage rooms must be an integral part of the facility vs. non permanent structures around the playground.
Parking	Parking for patrons and staff is required. Parking Allocation: 1 parking space per each full time staff; 1 per every 4 patrons. Must provide a sidewalk that leads from the car directly to the front entry without crossing traffic lanes. Crosswalks are allowed but must be limited in their use. School buses to deliver and pick up children curbside on sidewalk that leads directly into the facility.
Exterior Lighting	Exterior lighting systems provided for parking areas, sidewalks, service yards, service drives, building entrances and perimeter.
Vehicular Circulation/Service Road/Drives	Must provide site entrances, exits, service drives and special circulation areas sized to accommodate the largest vehicle that uses the area. Service road/drive must be provided on the side of the building adjacent to the mechanical room, providing vehicular access to the kitchen service entry, mechanical yard, electrical room and storage room. All vehicular pathways must be kept away from children and pedestrian pathways and outdoor play areas.

Item Mandator	y Criteria
Controlled Entry Access	A buzzer security system, with manual override, must be installed to facilitate entry into the facility.
Communication Room	Provide separate room for communication sized to meet the minimum DOIM requirement for electrical boxes and connections.
CATV (Cable Television)	Provide empty boxes and conduits for 1 CATV in the staff lounge.
HVAC	HVAC units will provide heating and air conditioning for the entire facility excluding the Mechanical and Electrical Rooms which require only heating. Each child activity room will have a separate HVAC zone with a wall mounted tamperproof space thermostat with night and weekend set-back to accommodate variations in temperatures.
Mechanical /Electrical Room	Mechanical room to open directly to the exterior of the building with no access to the interior space or direct access to the playground. Mechanical yard must be located away from the playground area for safety, noise, and environmental considerations.
Energy Policy Act 2005 (EPACT 05) and Executive Order 13423 (E.O. 13423)	Child Development Centers shall be designed in compliance with statutory requirements for federal facilities IAW EPACT 05 and E.O. 13423.
Sustainability	Child Development Centers shall be designed to meet current sustainable development and design policy requirements as established by the Department of the Army.

GUIDANCE

Facility Capacity - Capacity could vary depending on installation requirements. Activity rooms allow for flexibility in programming and use.

Facility Site – The Child Development Center (CDC) will be evaluated for security requirements in accordance with UFC 4-010-01, DoD Minimum Antiterrorism Standards for Buildings, latest edition.

Grading – The site will be graded to drain away from the new structure to existing drainage ditches or storm drain systems.

Utilities – All utilities, except storm water, will be routed from the new structure underground to the existing source.

Landscaping – Irrigation of turf and significant landscaping may be required in geographical areas which are arid. Landscaping is an important tool in the implementation of Force Protection measures. Landscaped earth berms shall be used to provide an attractive natural barrier. Shrubs, bushes, trees, flowers, etc. used around the CDC and outdoor activity area shall be evaluated for potential hazard or toxicity. No toxic chemicals or herbicides shall be used to clear the site of unwanted irrigation.

Interior Color Scheme – Standardized interior color schemes have been developed for the Garrison to select from.

Casework – Provide for solid surfacing counter tops and high quality cabinets. Millwork is required as shown in the Standard Design. The construction of the millwork is up to the contractor, with the exception that a solid surface countertop (or better) must be provided. Materials other than solid surfacing would need IMCOM Center of Expertise approval.

Safety Features – All corners on millwork, cabinets, etc. below 48" need to be radiused so as to prevent injury to young children. Wall corners need either to be radiused or provided with cover guards to create the same safety feature. All doors accessible to children, (e.g. activity rooms, storage closets, storage rooms, outdoor storage areas) must have finger guards to prevent injury.

Interior Windows - All interior windows in the children's activity rooms shall be tempered safety glass.

Central and Interior Storage Closets - Shelving to be finished with an appropriate durable finish that renders them smooth and easily cleanable. Storage room will be provided with a ceiling mounted automatic motion light switch and globe light. The interior of the closet to be marked with a red line 1" in width located 18" below the lowest point of the sprinkler head to prevent staff from stacking materials and supplies too close to the sprinkler heads. Door shall be fitted with a locking mechanism and lever type handle that allows the door to be opened from the inside while locked.

Children's Activity Rooms –

- Diaper Changing Station - diaper changing station to be 35 ¾" H X 60 1/2" W X 24" D, with storage for 14 underneath storage trays to be integral to the diaper changing table. Retractable stairs that lock into place required. An exhaust fan at each diaper changing station to be provided exhausting 100-150 feet per minute (fpm).
- Toilet Partitions – toilet partitions to be no higher than 42" tall with a 12" clear opening at the bottom.
- Food preparation/art counter - The 8' counter to have an integral backsplash with 2 separate stainless steel sinks and GFCI electrical outlets above backsplash.
- Exterior Doors – to have a 34" clear minimum width opening to allow for emergency crib evacuation with low threshold.
- All counter tops will have rounded/radius corners and edges.

- Pediatric toilets – Vent to exhaust 100-150 feet per minute (fpm).
- Cubbies - to be pre-manufactured and will feature a top and bottom space for hats, mittens, shoes and boots and hanging space for jackets and other personal belongings.

Kitchen - The all stainless steel kitchen equipment must meet the National Sanitation Foundation standards of practice. All equipment must be designed and installed IAW TB Med 530, Food Service Sanitation. Equipment that is hard wired or connected to a utility is MCA funded.

Floor Drains – All toilet and wet areas to include janitor and laundry rooms and multiple locations in the kitchen must have floor drains.

Playgrounds:

- The safety surface will be unitary or poured in place material. The swing fall attenuation material will be engineered wood fiber, with approved rubber matting at foot contact point underneath the swings. Beneath the infant swings, a unitary safety surface will be used.
- 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.

Exterior Storage Room - Provide a pair of 3 ft x 7 ft doors, with each leaf provided with a minimum of half-height glass panels. No astragals shall be provided. Instead, top and bottom flush bolts are to be provided. Adequate weather stripping shall be provided to prevent access by vermin.

Life Safety - The building fire protection systems, shall be designed in accordance with the applicable standards contained in the Unified Facilities Criteria (UFC) 3-600-01, Fire Protection Engineering for Facilities, TI 800-01, and National Fire Protection Association (NFPA) 101, Life Safety Code. A complete automatic sprinkler system shall be provided in accordance with UFC 3-600-01 and NFPA 13. The fire alarm system shall be designed in accordance with NFPA 72, which will provide pull stations at each exterior exit door, textual (voice) audible and visual (strokes) notification devices and smoke detectors throughout the child development center. Placement of the enunciator panel is a local fire department call. If there is no preferred location, then the panel shall be placed in the entrance of the facility. Where possible the Mass Notification System (UFC 4-021-01) shall be integrated with the fire alarm system.

Electrical Outlets – In all child activity rooms/child accessible areas and the waiting area, all electrical outlets shall be mounted 54 inches above the finished floor, and must be Hospital grade, tamper resistant safety type.

Video Monitoring Security System/Closed Circuit Television (CCTV) - AR 415-15 - Appendix L, Information Systems Support is the source of Army policy for funding of video monitoring equipment. MILCON/MCA dollars are to be used for cabling and fittings, connectors, terminal strips, and similar devices needed to install the cable up to the outlet device plate. Operating Maintenance Army (OMA) dollars are used to purchase and install monitors, cameras, parent viewing monitors, operating consoles, etc. for the video surveillance system. The equipment, external to the outlets, is considered personal property.

Accessibility – The CDC shall be designed in compliance with the Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities and meet both adult and child requirements.

Signage – The facility shall be identified as a “Child Development Center”. The installation/garrison or community name or geographic location of the facility may be used for public identification purposes. The facility signage is to be in accordance with AR 608-10 and the Installation Design Guide.

Antiterrorism/Force Protection – The most current guidance (UFC 4-010-01, Force Protection) must be incorporated into the site layout and standard design using. A Mass Notification System shall also be provided using UFC 4-021-01, Design, and Operation & Maintenance for Mass Notification Systems. To

protect the facility and its occupants, consider a natural approach without degrading the visual surroundings as a method of protection.

UFC 4-740-14, Design: Child Development Center – The Unified Facilities Criteria for Child Development Centers was based on the Army's Standards and the Army Standard Designs and adapted by the other Services. The Army contributed program, design, and construction experience to define the criteria in this document. The Army will use the Department of the Army Standard Design and Army-approved standards for all CDC construction program for children 6 weeks – 5 years of age.

SAMPLE

**MINIMUM ROOM FINISH SCHEDULE REQUIREMENTS
(FOR CHILDREN 6 WEEKS – 5 YEARS OF AGE)**

SPACE	<u>FLOOR</u>	<u>WALL</u>	<u>BASE (*)</u>	<u>CEILING (**)</u>
ADMINISTRATION				
ENTRY	VCT	EPGB		ACT, PDT
WAITING AREA	VCT	EPGB		ACT
RECEPTION/CENTRAL COUNTER	VCT	EPGB		ACT, PDT
PRIVATE OFFICES	VCT	PTD		ACT
OPEN OFFICE	VCT	PTD		ACT
ISOLATION ROOM	SV	EPGB		ACT
ISOLATION TOILET	CT	CT		ACT
STAFF SUPPORT				
STAFF LOUNGE	VCT	EPGB		ACT
TRAINING ROOM	VCT	EPGB		ACT
PUBLIC TOILETS	CT	CT		ACT
ADULT TOILETS EPGB	CT	CT to 48" AFF/ above 48"		ACT
SUPPORT AREAS				
LAUNDRY	VCT	CT		VACT
JANITOR	QT	CT		VACT
CORRIDORS	VCT	EPGB		ACT
MECHANICAL	SC	PTD		PTD
COMMUNICATIONS	SC	PTD		PTD
ELECTRICAL	SC	PTD		PTD
KITCHEN	QT	CT to 48" AFF/ EPGB above 48"		VACT
CHILD ACTIVITY ROOM				
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
 SC – SEALED CONCRETE
 PTD – PAINTED GYPSUM WALLBOARD
 EPGB – EPOXY PAINTED GYPBOARD
 VACT – VINYL FACED ACOUSTICAL CEILING TILE
 (MOISTURE RESISTANT)
 ACT – ACOUSTICAL CEILING TILE

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

** **Ceiling:** 2 ft X 2 ft ACT, VACT

**TOILET ACCESSORY SCHEDULE
FOR
CHILD DEVELOPMENT CENTER**

FIXTURE TYPE	ADULT TOILETS	ACTIVITY ROOM CHILD TOILETS	ACTIVITY ROOM LAVATORIES (sinks)	DIAPERING STATIONS	FOOD PREPARATION	ISOLATION TOILET
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 Tissue Dispenser*	X	X				X
Handicap Grab Bars	X					X child height ADA

*Soap, toilet paper and paper towel dispensers – coordinate with the garrison/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

ATTACHMENT B

**DESIGN CRITERIA FOR CHILD DEVELOPMENT CENTERS
(FOR CHILDREN 6 WEEKS – 5 YEARS)**

SAMPLE



US Army Corps of Engineers
Engineering and Support Center, Huntsville

**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

[October 1, 2010](#)

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

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SAMPLE

**Standard Design Criteria
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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.

**Standard Design Criteria
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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:

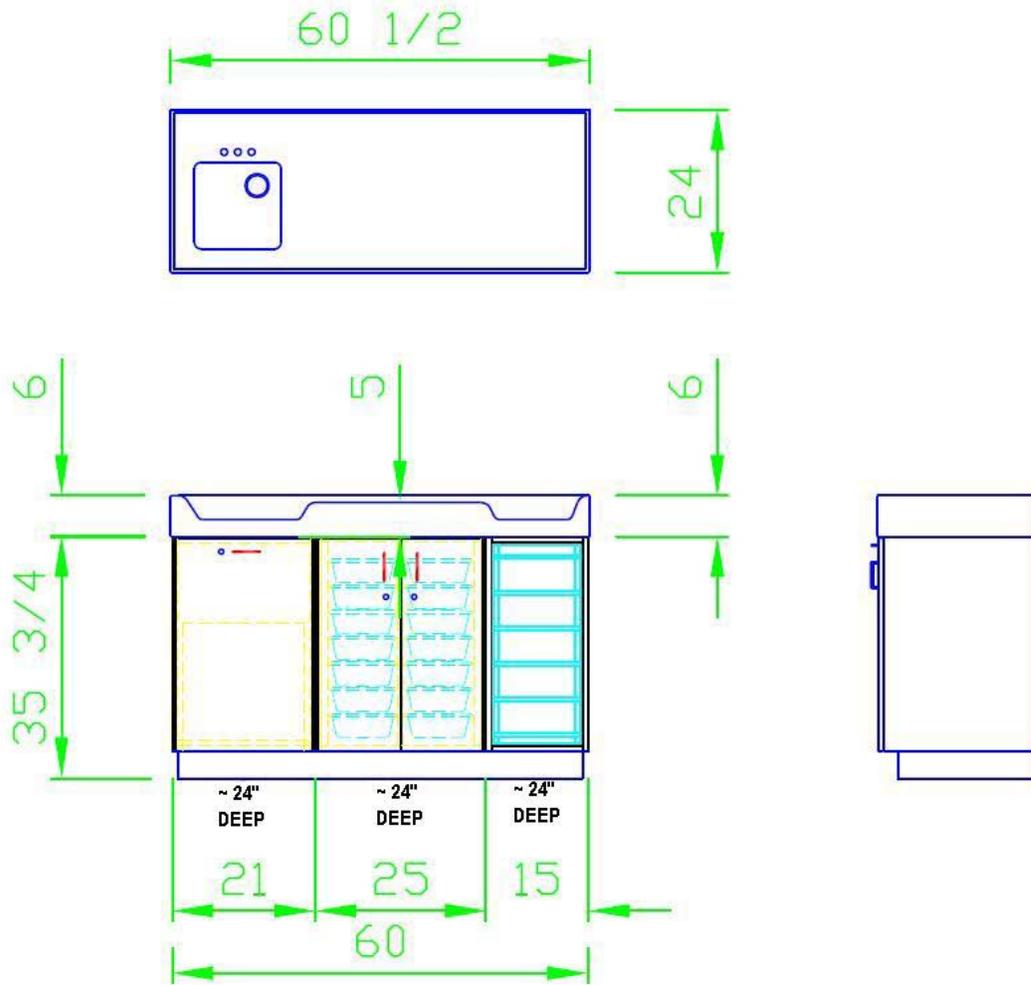
**Standard Design Criteria
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The following items are clarifications or updates to the information in the Army Standard. Where there is a conflict between the information in subparagraphs through below and the Army Standard, the information below governs.

- 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:

SAMPLE

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



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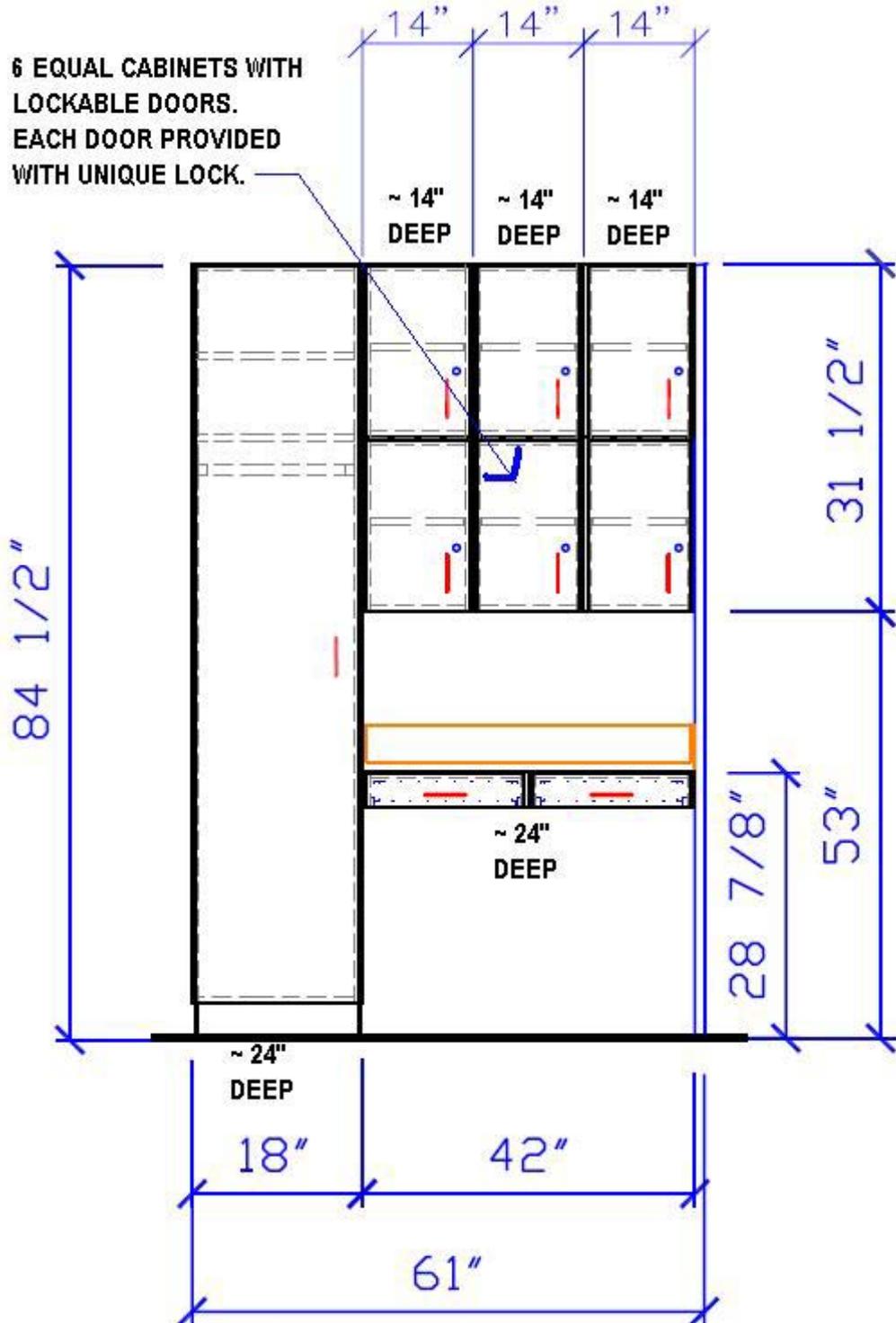


Place mirror on this wall area.



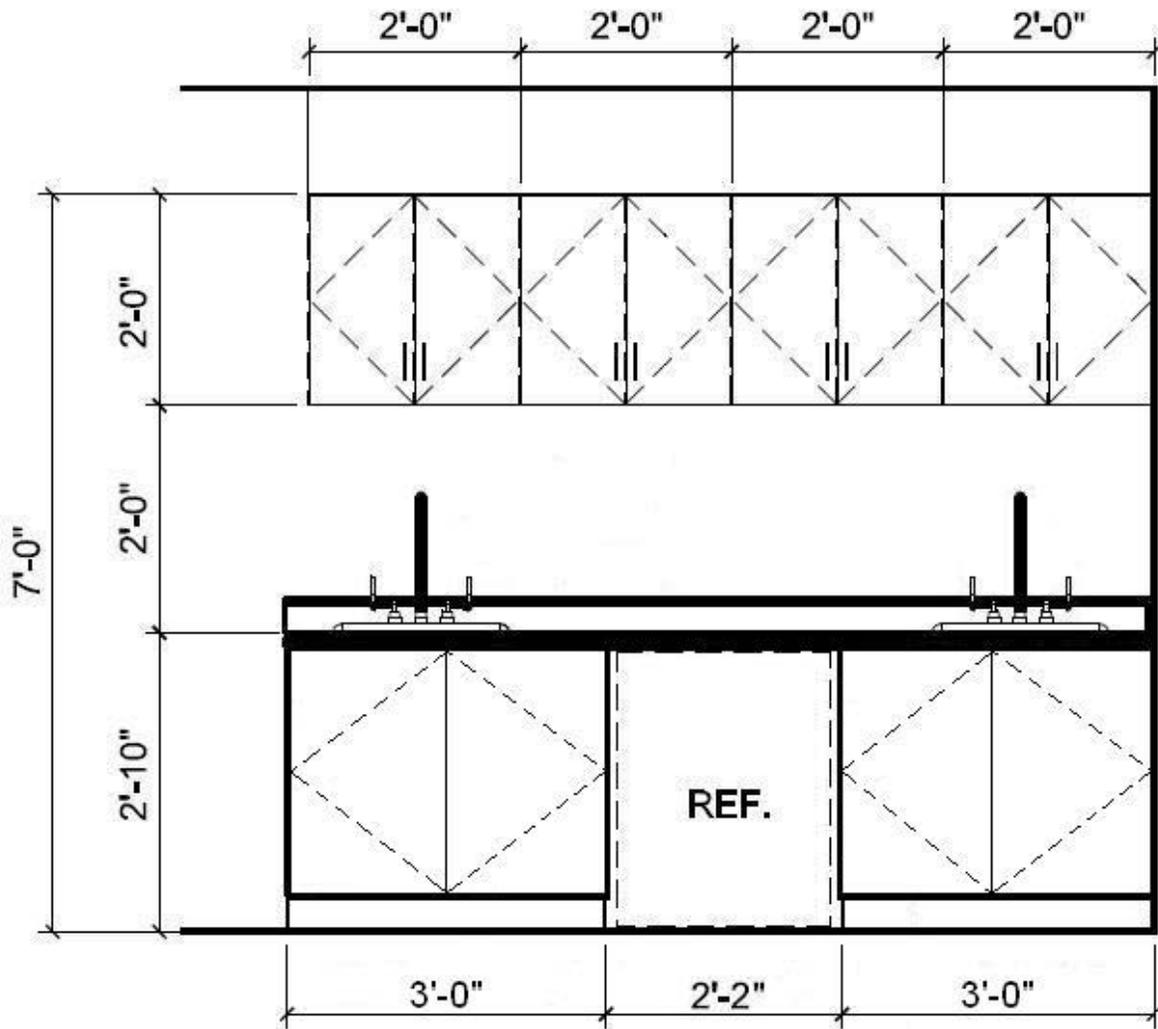
**Standard Design Criteria
Child Development Centers
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- The typical Sign-in Desk in the Activity Rooms is illustrated below:



**Standard Design Criteria
Child Development Centers
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- A recommended solution for the Food Prep/Arts and Crafts cabinets in the Activity Rooms is shown below:



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

MINIMUM ROOM FINISH SCHEDULE REQUIREMENTS

<u>SPACE</u>	<u>FLOOR</u>	<u>WALL (*)</u>	<u>CEILING</u>
ADMINISTRATION			
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
STAFF SUPPORT			
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
SUPPORT AREAS			
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
CHILD ACTIVITY ROOM			
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)

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

TOILET ACCESSORY SCHEDULE

FIXTURE TYPE	ADULT TOILETS	ACTIVITY ROOM CHILD TOILETS	ACTIVITY ROOM LAVATORIES (sinks)	DIAPERING STATIONS	FOOD PREPARATION	ISOLATION TOILET
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

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

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.

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

- **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.

SAMPLE

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

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.

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

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

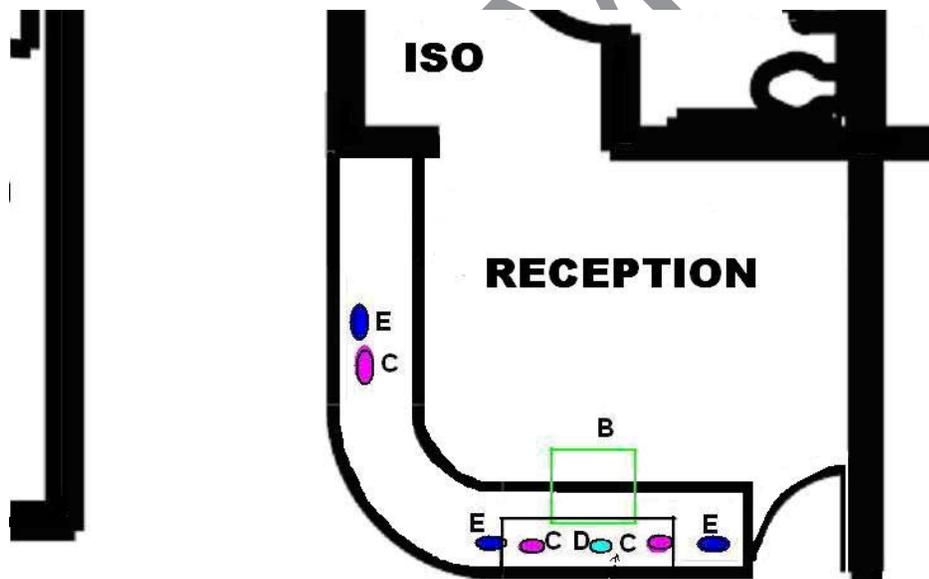
**Standard Design Criteria
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with cover shall be provided in the lower counter on the side where no upper counter is provided. One pencil drawer shall be built-in in the small facility, and two pencil drawers shall be provided in the medium and large 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.



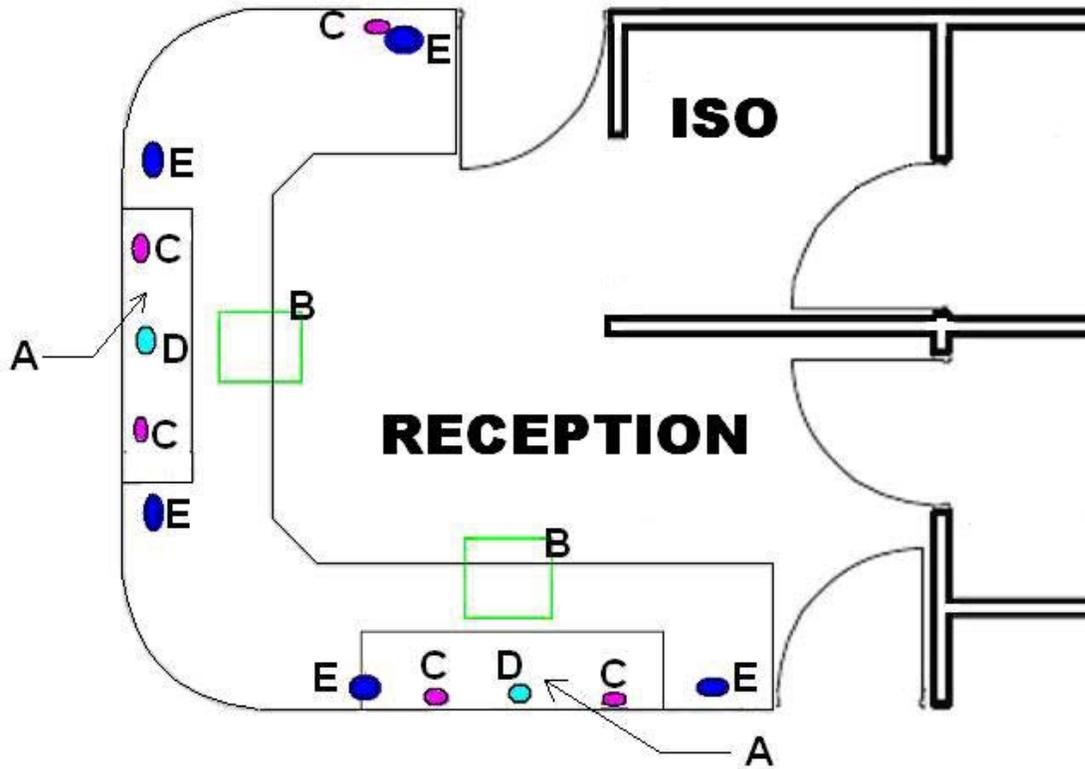
- A - Upper Worksurface
- B - Pencil Drawer
- C - Grommets in both upper and lower worksurface (where upper worksurface is provided with grommet, align grommet in lower worksurface vertically)
- D - Electrical outlet provided between upper and lower worksurface
- E - Quad outlets near floor. Provide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

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

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.

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

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-On each wall, 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.

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

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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(For Children 6 Weeks – 5 Years)**

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.

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

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.

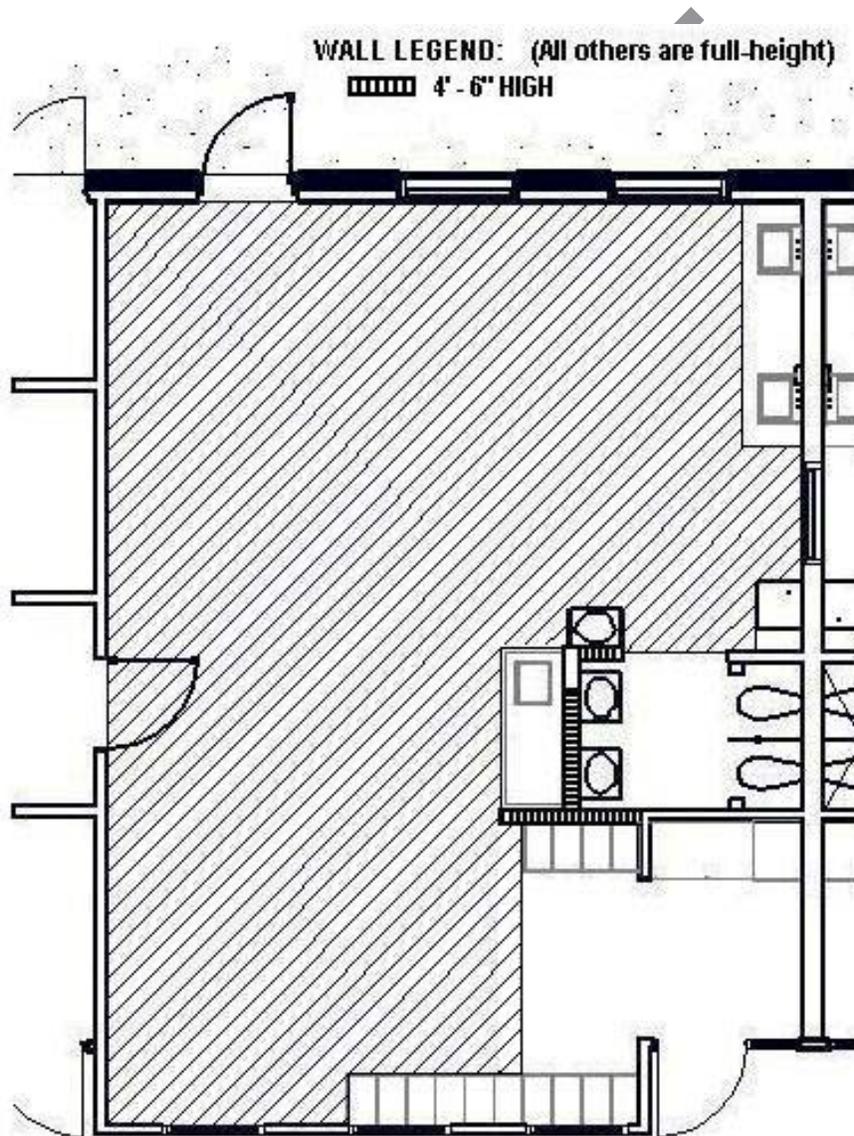
Provide lighting with dimming (continuous, flicker-free dimming from 100% to 10%) or a multilevel switching scheme (with one inboard lamp switched separately from outboard lamps to provide distinct, evenly distributed lighting levels.) Lighting within the child activity

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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
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:** Shelving shall be provided on 3 walls. A minimum of three adjustable shelves with heavy-duty standards and brackets will be provided on 3 each walls. At least one 18” deep shelf and two 12” deep shelves shall be provided on each wall. 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.

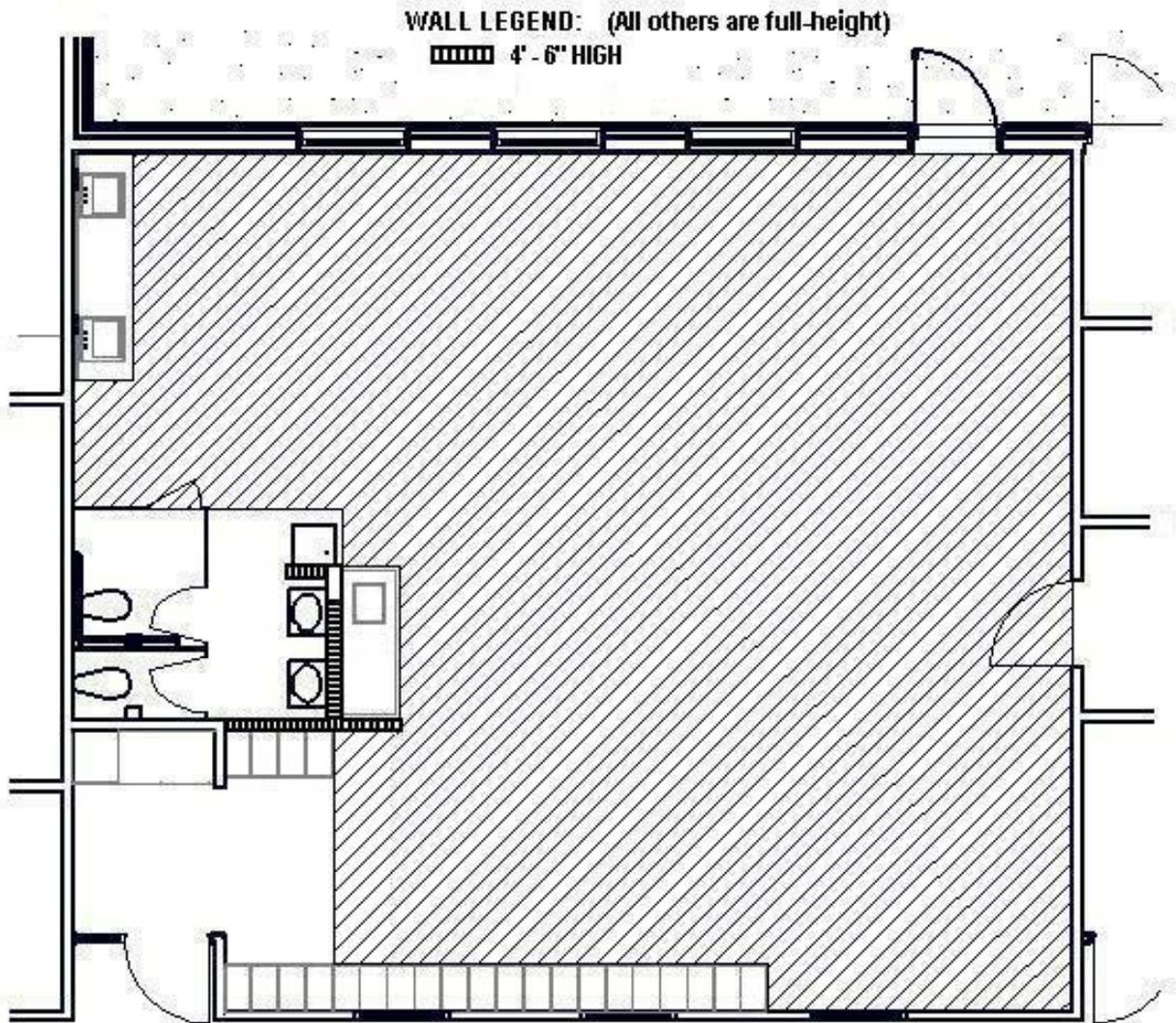
Humidity Control. A relative humidity of between 35 and 50 percent will be maintained in CDC child activity rooms to prevent drying of mucous membranes, to control the spread of diseases, and to prevent mold growth.

- **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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(For Children 6 Weeks – 5 Years)**

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:** Shelving shall be provided on 3 walls. A minimum of three adjustable shelves with heavy-duty standards and brackets will be provided on 3 each walls. At least one 18" deep shelf and two 12" deep shelves shall be provided on each wall. 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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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.

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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:** Provide shelves on as many walls of the storage rooms as possible while maintaining adequate circulation space. A minimum of 4 adjustable shelves with heavy duty standards and brackets will be provided on each wall. ~~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.
- **CABINETRY:** 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:** Shelving shall be provided on at least 2 walls. Four adjustable shelves with heavy-duty standards and brackets will be provided on each wall and shall consist of—T 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.

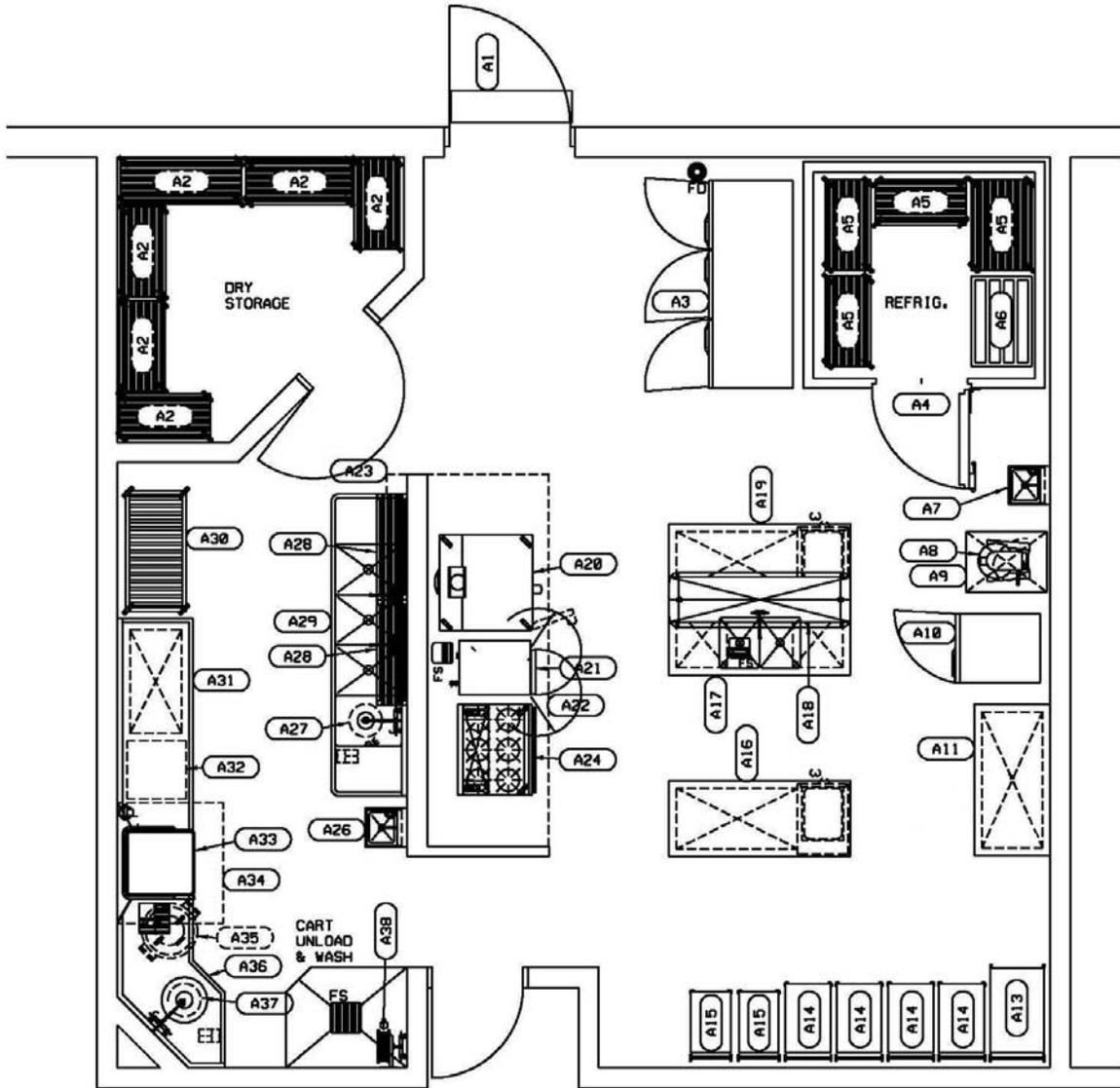
- **SPECIAL REQUIREMENTS:**
 - (a) A dry storage area with shelving for food to be incorporated within the kitchen area. Requirements for dry storage include: Floor shall be sheet vinyl with welded seams which is easy to clean and maintain. A base material, appropriate for the flooring material used, 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)**

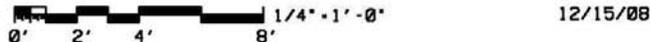
- 3) Mounted so as to minimized harborage or entrance to the unit.
- (g) Kitchen plans and schedules are provided below. The kitchen may be flipped in plan if desired.
 - (h) A milk dispenser may be provided (Government Furnished, Government Installed) if desired by the Installation. It would be located 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.

SAMPLE

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



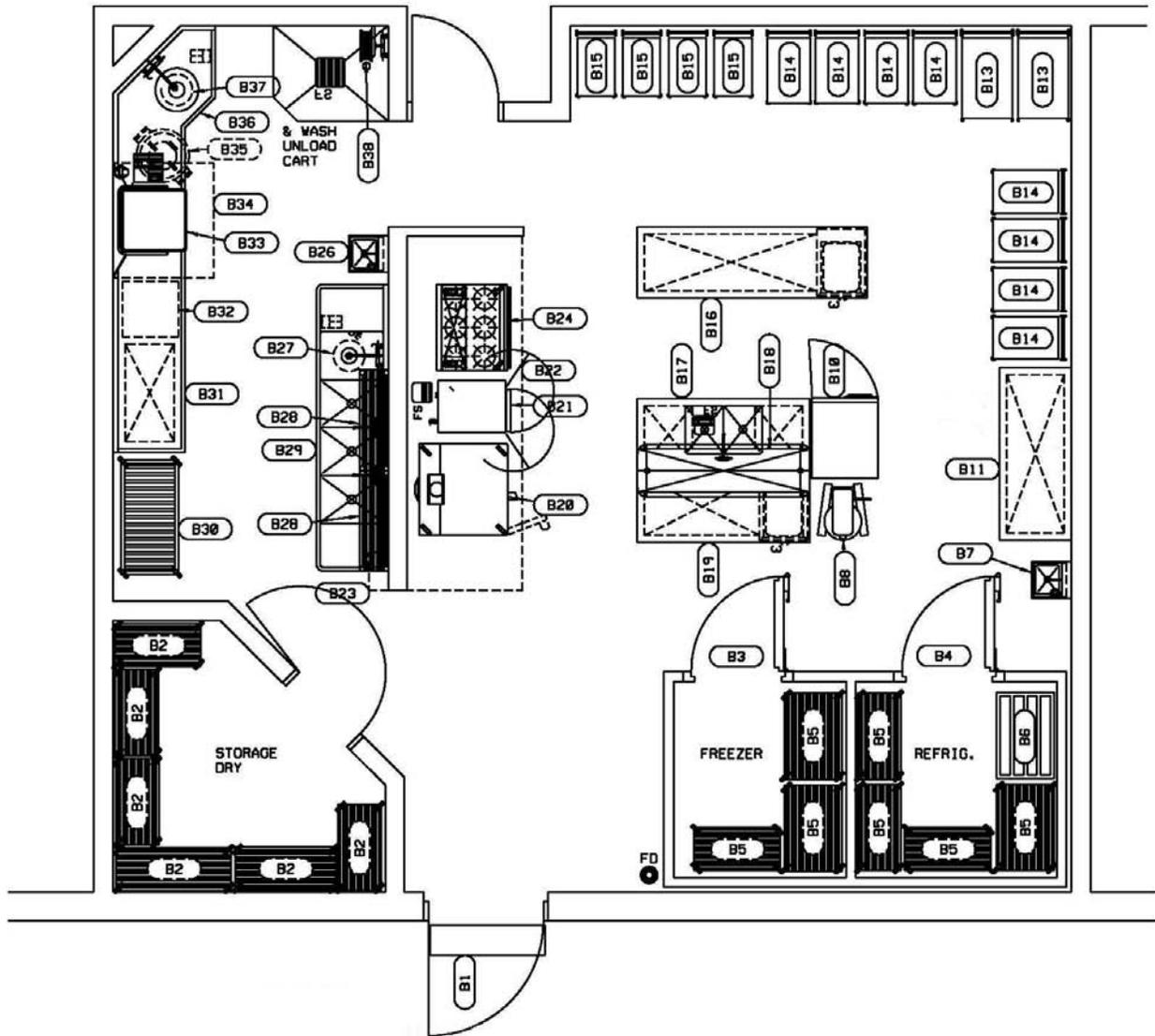
A KITCHEN
 SMALL 126 CHILD FACILITY



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

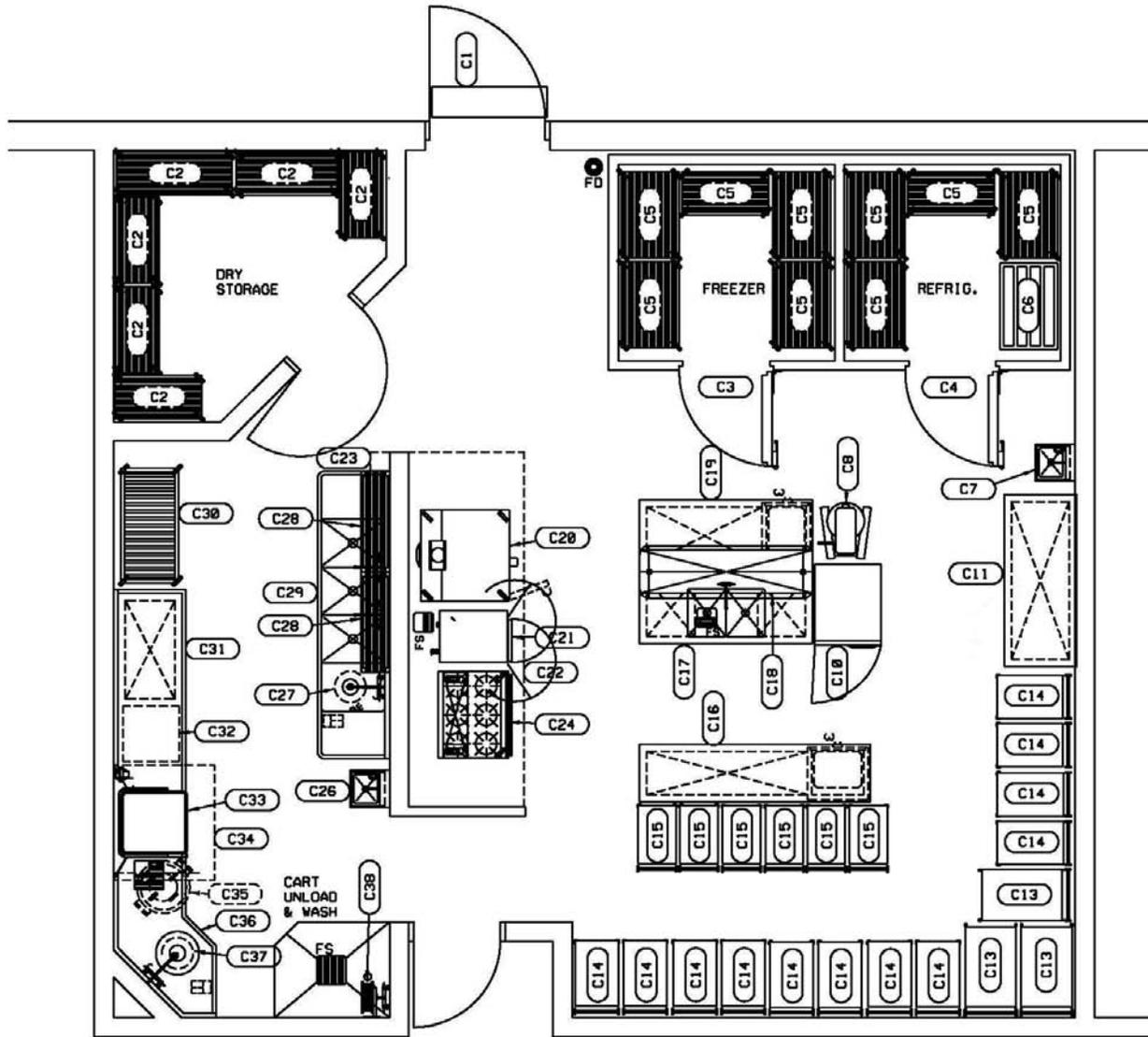


12/15/08

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



12/15/08

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

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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.

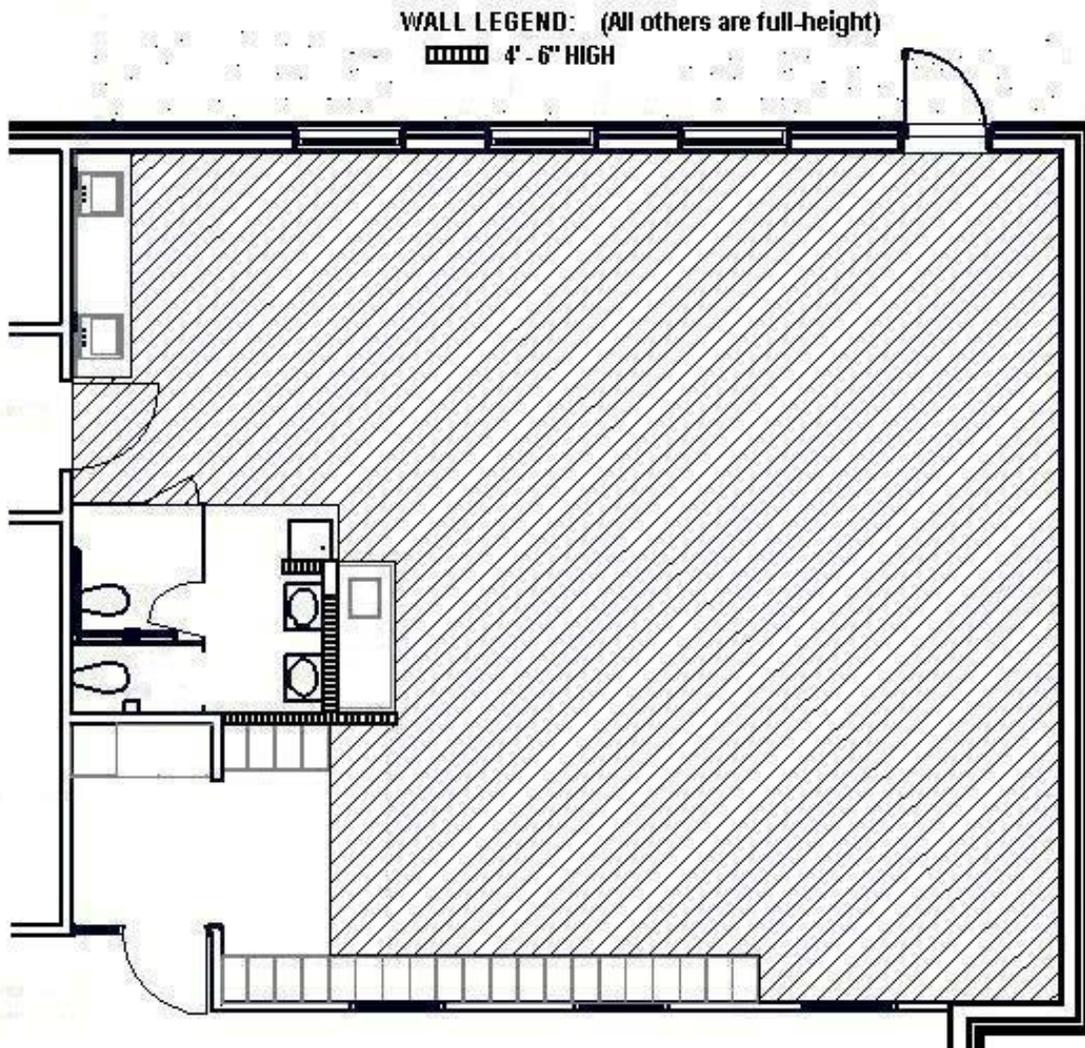
- **ELECTRICAL:** All electrical outlets, except for those mounted above countertops, shall be mounted 54" above the finish floor, and shall be hospital grade, tamper resistant safety type. Outlets provided above countertops shall be located no less than 18" from the edge of the countertop. Two electrical outlets to be provided above the backsplash (food preparation/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:** Shelving shall be provided on 3 walls. A minimum of three adjustable shelves with heavy-duty standards and brackets will be provided on 3 each walls. At least one 18" deep shelf and two 12" deep shelves shall be provided on each wall. 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.

SAMPLE

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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.

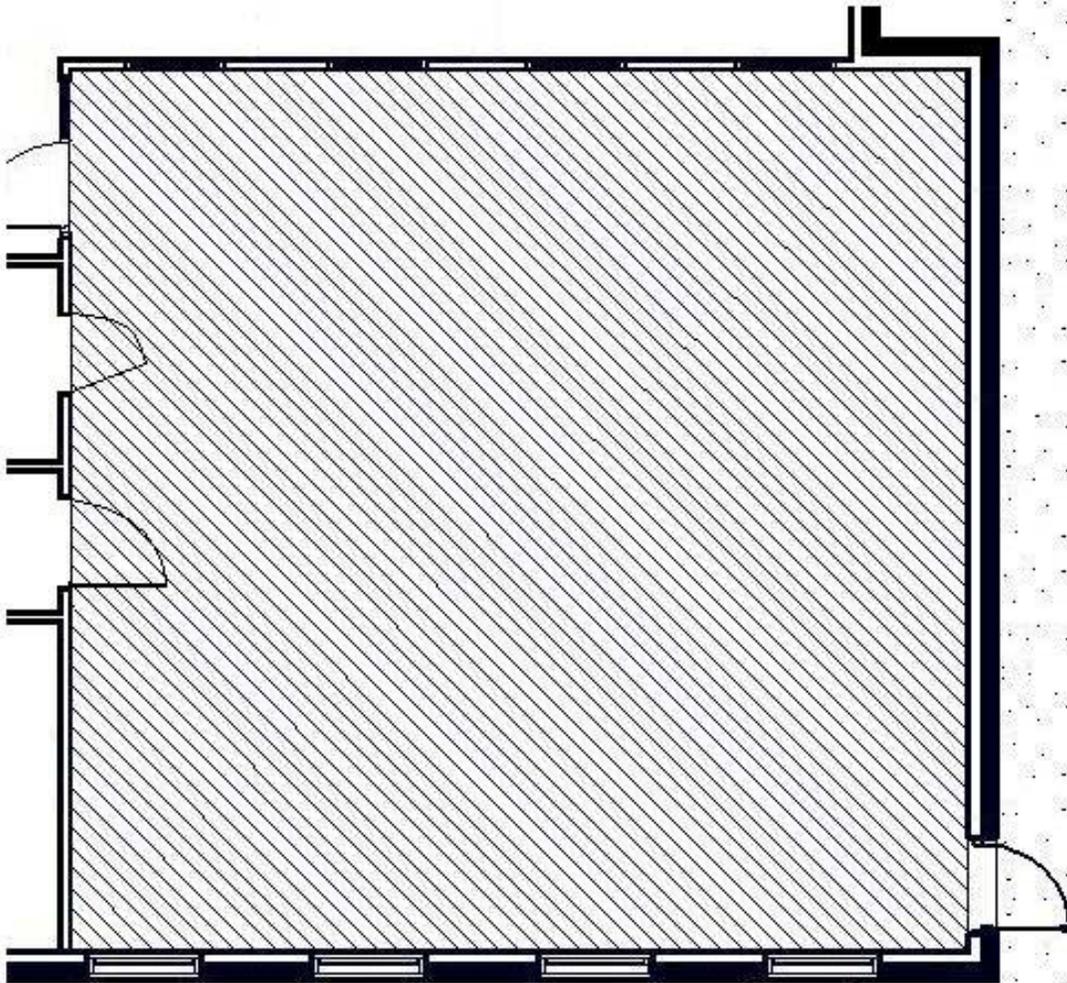
Humidity Control. A relative humidity of between 35 and 50 percent will be maintained in CDC child activity rooms to prevent drying of mucous membranes, to control the spread of diseases, and to prevent mold growth.

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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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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.

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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.

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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.

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

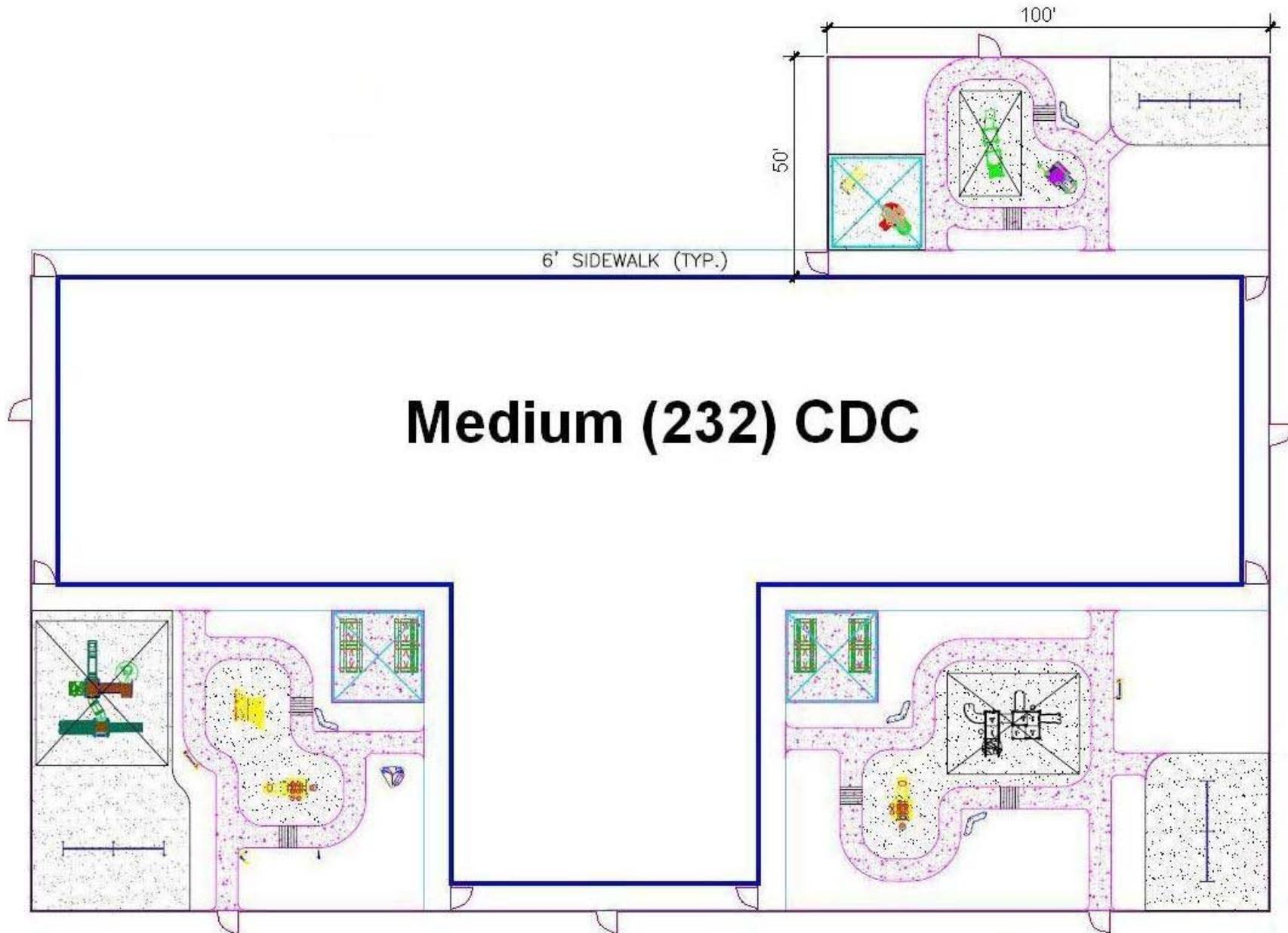
34. SPACE: Playground/Outdoor Play Areas

- 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). 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)

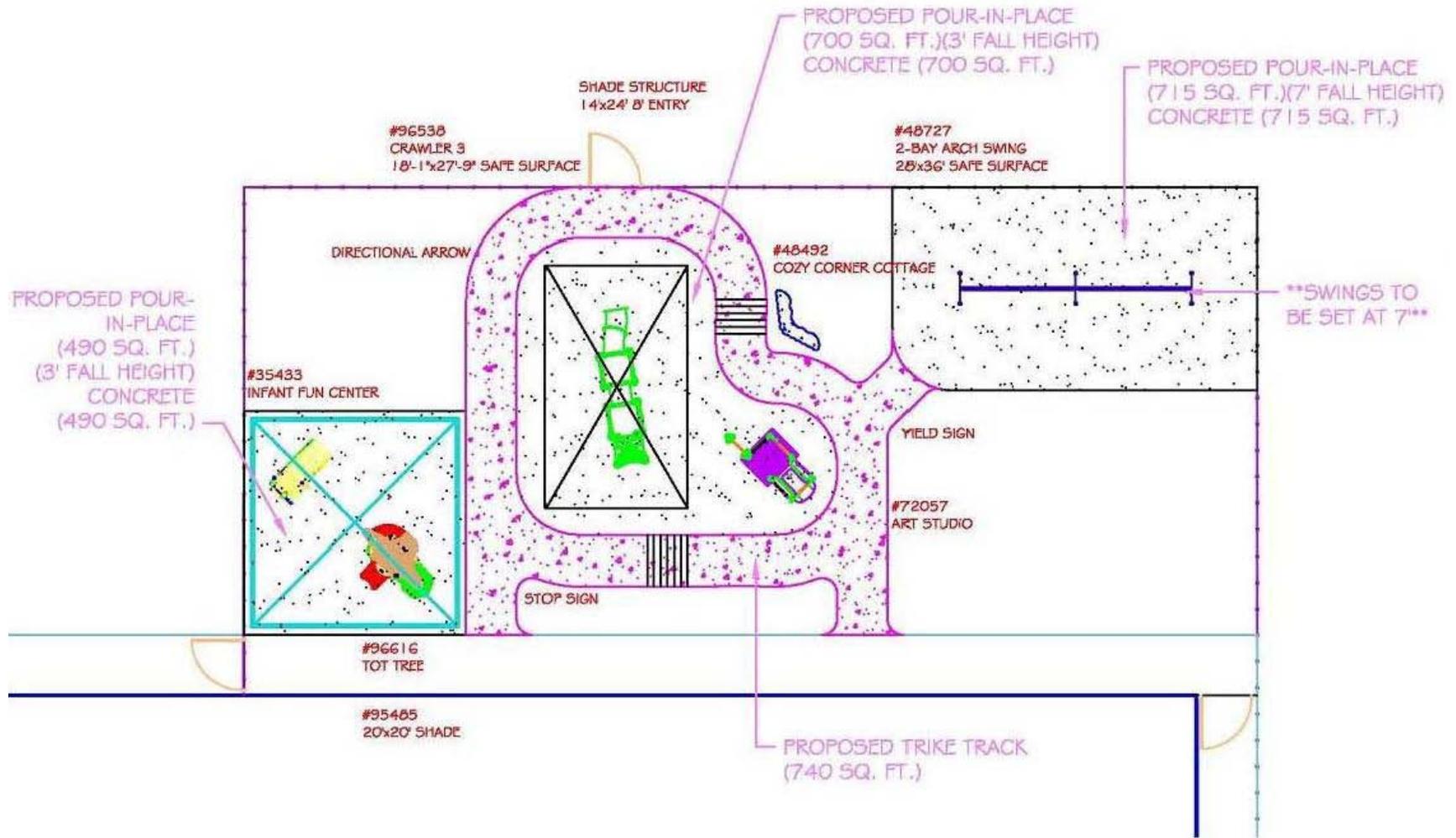
**Standard Design Criteria
Child Development Centers
(For Children 6 Weeks – 5 Years)**

- 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.**

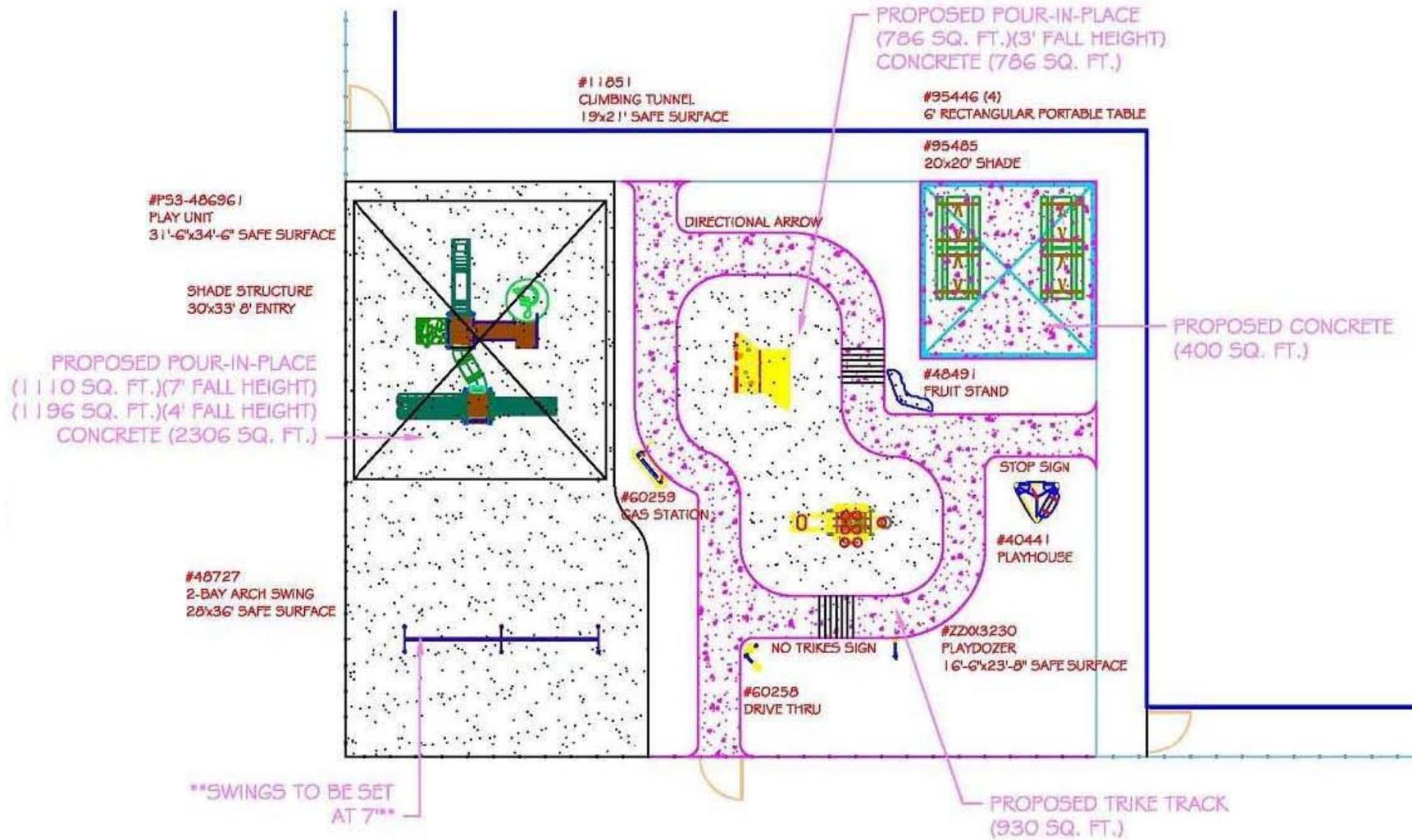
Standard Design Criteria
Child Development Centers
(For Children 6 Weeks – 5 Years)



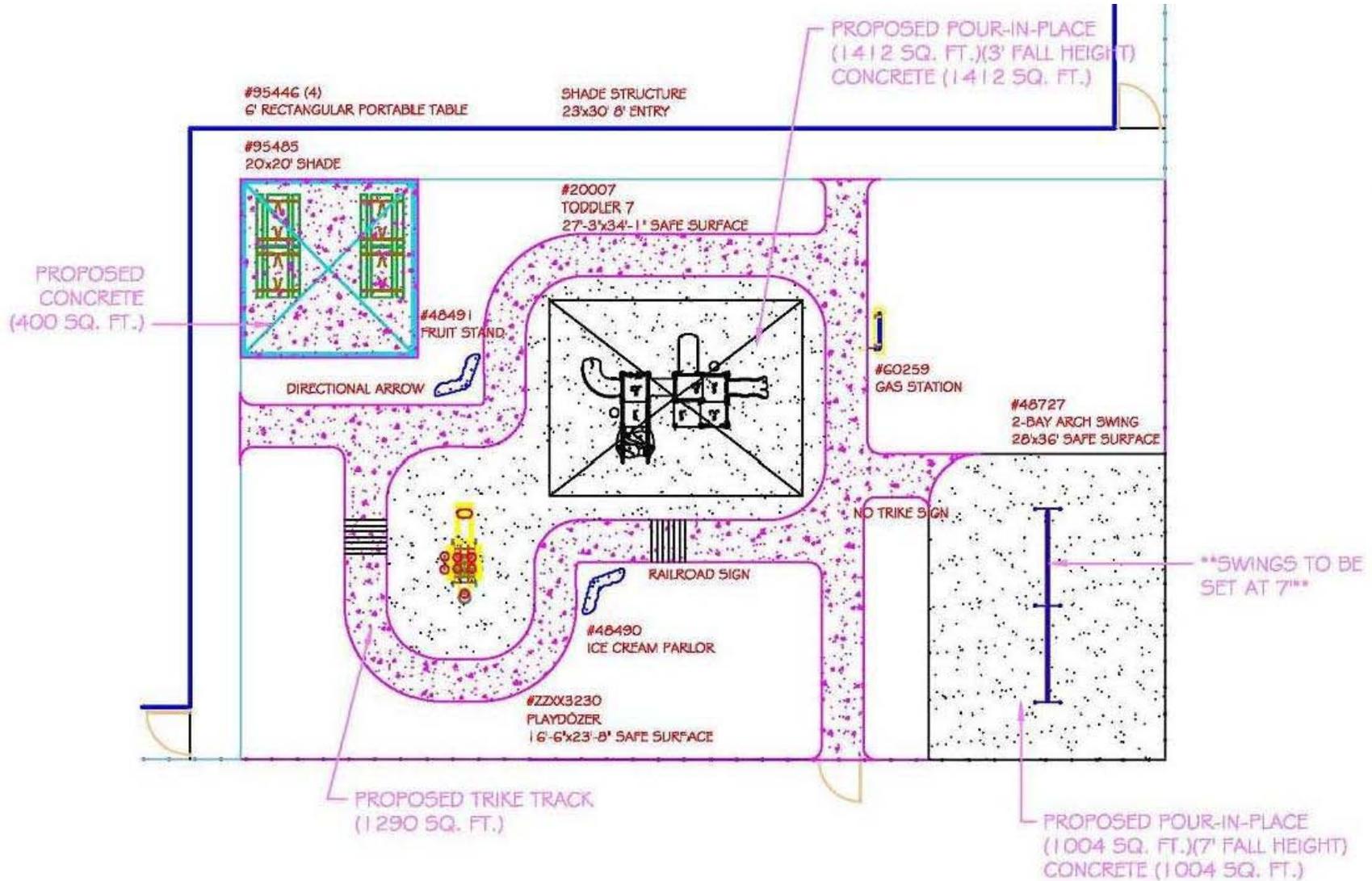
**Standard Design Criteria
 Child Development Centers
 (For Children 6 Weeks – 5 Years)**



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



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



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

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

PLAY STRUCTURE				
Infant/Pre-Tod	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
Tod/Pre-School (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

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

<u>Playgrounds</u>	<u>Small CDC Facility</u>	<u>Medium CDC Facility</u>	<u>Large CDC Facility</u>	<u>Additional Notes</u>
Pre-K/Kinder	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
SWINGS (Poured in place surfacing)				
Infant/Pre-Tod	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	
Tod/Pre-School	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	
Pre-K/Kinder	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	
TRIKE PATHS				
All	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	
Infant/Pre-Tod	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	
Tod/Pre-School	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	
Pre-K/Kinder	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)	

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

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

<i>SHADE STRUCTURE (water proof)</i>				
Infant/Pre-Tod	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	
Tod/Pre-School	15' x 15' x 8'	20' x 20' x 8'	20' x 20' x 8'	
Pre-K/Kinder	15' x 15' x 8'	20' x 20' x 8'	20' x 20' x 8'	

<i>SHADE STRUCTURE 2 (shade only)</i>				
Infant/Pre-Tod	Must cover Crawler 2	Must cover Crawler 3	Must cover Crawler 3	
Tod/Pre-School	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)	
Pre-K/Kinder	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>				
Infant/Pre-Tod	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)	
Tod/Pre-School				
Pre-K/Kinder	water feature (yard hydrant or stream bed, etc.)	water feature (yard hydrant or stream bed, etc.)	water feature (yard hydrant or stream bed, etc.)	

SAN

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

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.

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

- 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.

SAMPLE

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



ATTACHMENT C

Not Used

SAMPLE

ATTACHMENT D

Not Used

SAMPLE

ATTACHMENT E

Not Used

SAMPLE

ATTACHMENT F

CDC for Children

6 Weeks 5 Years Floor Plan

SAMPLE

LEGEND:

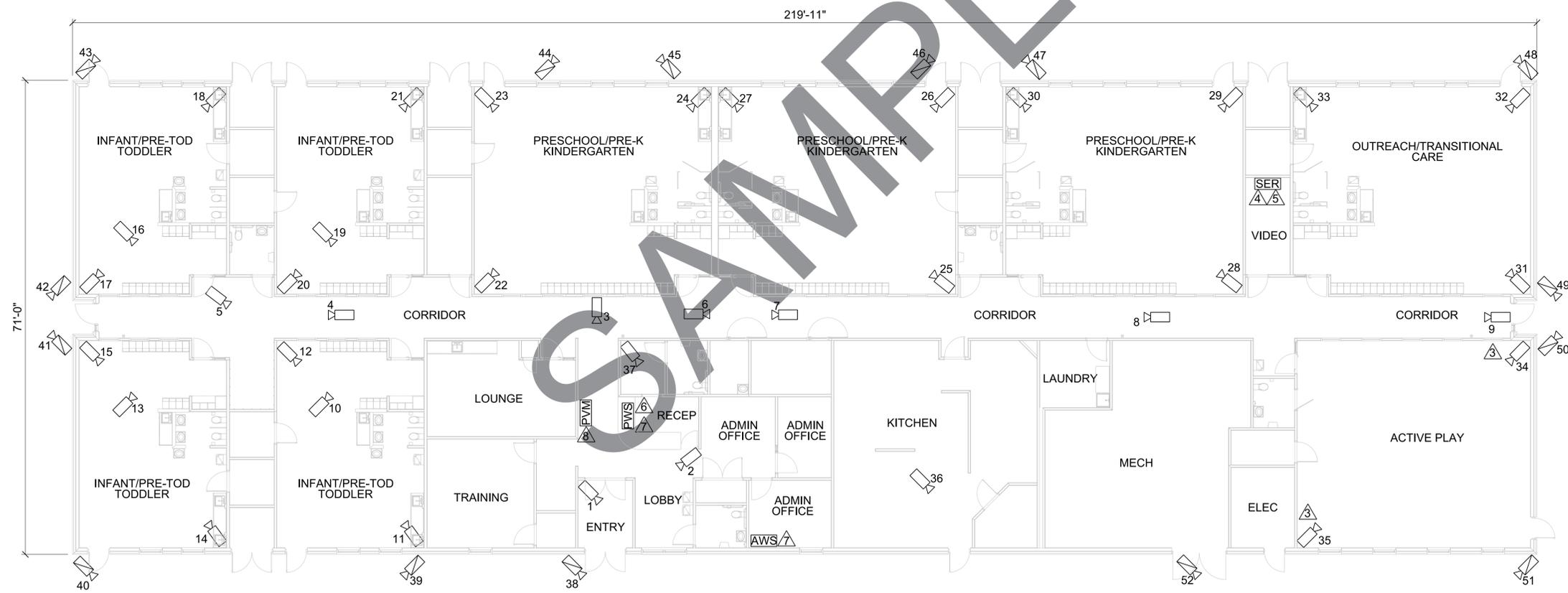
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-  EXTERIOR FIXED CAMERA W/ ID NO.
-  SURVEILLANCE EQUIPMENT RACK
-  PARENTAL VIEWING MONITOR
-  PVM WORKSTATION
-  ADMINISTRATORS WORKSTATION
-  POWER PANEL
- (E) EXISTING

DESIGNER'S NOTES

1. REFER TO THE ROOM-BY-ROOM DESCRIPTION FOR ADDITIONAL SECURITY AND MONITORING REQUIREMENTS.
2. ASSUMPTIONS (FOR CAMERA PLACEMENT ON DRAWINGS):
ALL CEILINGS ARE EIGHT (8) FEET SUSPENDED TILES UNLESS OTHERWISE NOTED.
ALL FURNITURE AND LANDSCAPE PLACEMENT WILL NOT BLOCK CAMERA VIEWS.
BUILDINGS WILL HAVE "OVERHANGS / SOFFITS" TO ACCOMMODATE EXTERIOR CAMERAS.
EXTERIOR CAMERAS ARE PLACED BASED ON EXPECTED LOCATION OF PLAYGROUNDS.

KEY NOTES

1. ALL INTERIOR CAMERAS SHALL HAVE A LENS SIZE OF 2.9-8.2MM UNLESS OTHERWISE NOTED.
2. ALL EXTERIOR CAMERAS SHALL HAVE A LENS SIZE OF 2.9-8.2MM UNLESS OTHERWISE NOTED.
3. EXTERIOR CAMERAS ARE TO BE INSTALLED IN ACTIVE PLAY ROOMS. CAMERAS SHALL HAVE A LENS SIZE OF 2.9-8.2MM UNLESS OTHERWISE NOTED.
4. CCTV RACK MOUNT POWER SUPPLIES (SEE NOTE 1A ON SHEET X-001)
5. SURVEILLANCE EQUIPMENT RACK (SER) LOCATION (SEE NOTE 1B ON SHEET X-001).
6. PVM WORKSTATION (SEE NOTE 1D & 11 ON SHEET X-001).
7. RJ-45 LAN JACK LOCATION (SEE NOTE 10 ON SHEET X-001).
8. PARENTAL VIEWING MONITOR (PVM) LOCATION (SEE NOTE 1C & 11 ON SHEET X-001).



PLAN
SCALE: NTS
SECURITY & MONITORING PLAN - SMALL



No.	Description	Date	Appr.

Designed by:	Date:	JULY 10
Drawn by:	Scale:	
Reviewed by:	Drawing code:	
Submitted by:		

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
0 - 5 YEARS OF AGE, SMALL
SECURITY &
MONITORING PLAN

Sheet reference
number:
X-101
Sheet 4 of 4



US ARMY CORPS
OF ENGINEERS,
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE



No.	Description	Date	Appr.

CENTER OF STANDARDIZATION PROGRAM

CHILD DEVELOPMENT CENTER (CDC), FOR CHILDREN 6 WEEKS TO 5 YEARS OLD, FACILITY SIZE - MEDIUM

CATEGORY CODE: 74017

PUBLISHED: JULY 2010

CDC STANDARD DESIGN PACKAGE

THE FOLLOWING IS A LIST OF THE COMPLETE CDC DESIGN PACKAGE. THE LATEST VERSION OF EACH OF THE LISTED ITEMS CAN BE DOWNLOADED FROM [HTTPS://PORTAL.USACE.ARMY.MIL/SITES/COS/CDCIT/DEFAULT.ASPX](https://portal.usace.army.mil/sites/cos/cdcit/default.aspx)

THE INFO INCLUDED HEREIN IS ONLY ONE PORTION OF THE COMPLETE PACKAGE.

1. ARMY STANDARD
2. ROOM-BY-ROOM DESCRIPTIONS
3. STANDARD DRAWINGS (INCLUDED HEREIN)
4. INTERIOR DESIGN CRITERIA
5. PLAYGROUND DESIGN CRITERIA

GENERAL CDC CRITERIA

FACILITY SIZE	GROSS AREA (FT ²)	# OF CHILDREN	# OF STAFF	SITE AREA (ACRES)	MIN # OF PARKING SPOTS	PLAYGROUND	
						TOTAL AREA (FT ²)	DEVELOPED AREA (FT ²)
MEDIUM	26,450	232	46	4.5	104	23,873	11,600

NOTES:

1. SITE AREA ASSUMED TO BE IMMEDIATELY ADJACENT TO ROADS AND UTILITIES.
2. DEVELOPED PLAYGROUNDS INCLUDE PLAY STRUCTURES, TRIKE PATHS, SHADE STRUCTURE, SWINGS, ETC..

DRAWING INDEX

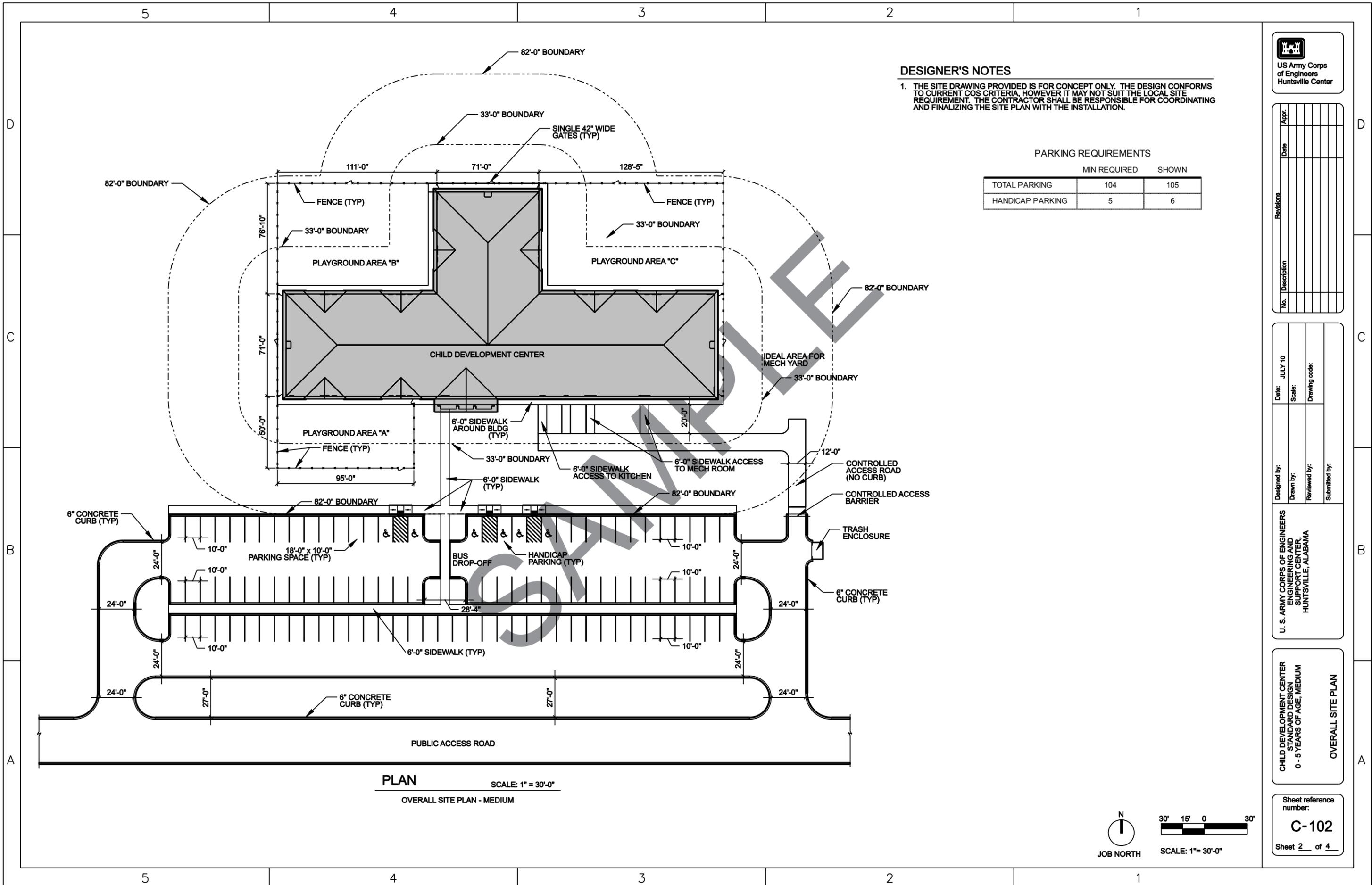
DISCIPLINE	SHEET NO.	SHEET REF. NO.	SHEET TITLE
GENERAL	1	G-002	COVER
CIVIL	2	C-102	OVERALL SITE PLAN
ARCHITECTURAL	3	A-102	FLOOR PLAN
SECURITY	4	X-102	SECURITY & MONITORING PLAN

Designed by:	Date:	JULY 10
Drawn by:	Scale:	
Reviewed by:	Reviewed by:	Drawing code:
Submitted by:	Submitted by:	

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
0 - 5 YEARS OF AGE, MEDIUM
COVER

Sheet reference number:
G-002
Sheet 1 of 4



DESIGNER'S NOTES

1. THE SITE DRAWING PROVIDED IS FOR CONCEPT ONLY. THE DESIGN CONFORMS TO CURRENT COS CRITERIA, HOWEVER IT MAY NOT SUIT THE LOCAL SITE REQUIREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND FINALIZING THE SITE PLAN WITH THE INSTALLATION.

PARKING REQUIREMENTS

	MIN REQUIRED	SHOWN
TOTAL PARKING	104	105
HANDICAP PARKING	5	6



No.	Description	Date	Appr.

Date:	JULY 10
Scale:	
Drawing code:	

Designed by:	
Drawn by:	
Reviewed by:	
Submitted by:	

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
0 - 5 YEARS OF AGE, MEDIUM
OVERALL SITE PLAN

Sheet reference number:
C-102
Sheet 2 of 4



SCALE: 1"= 30'-0"

PLAN
SCALE: 1" = 30'-0"
OVERALL SITE PLAN - MEDIUM

LEGEND:

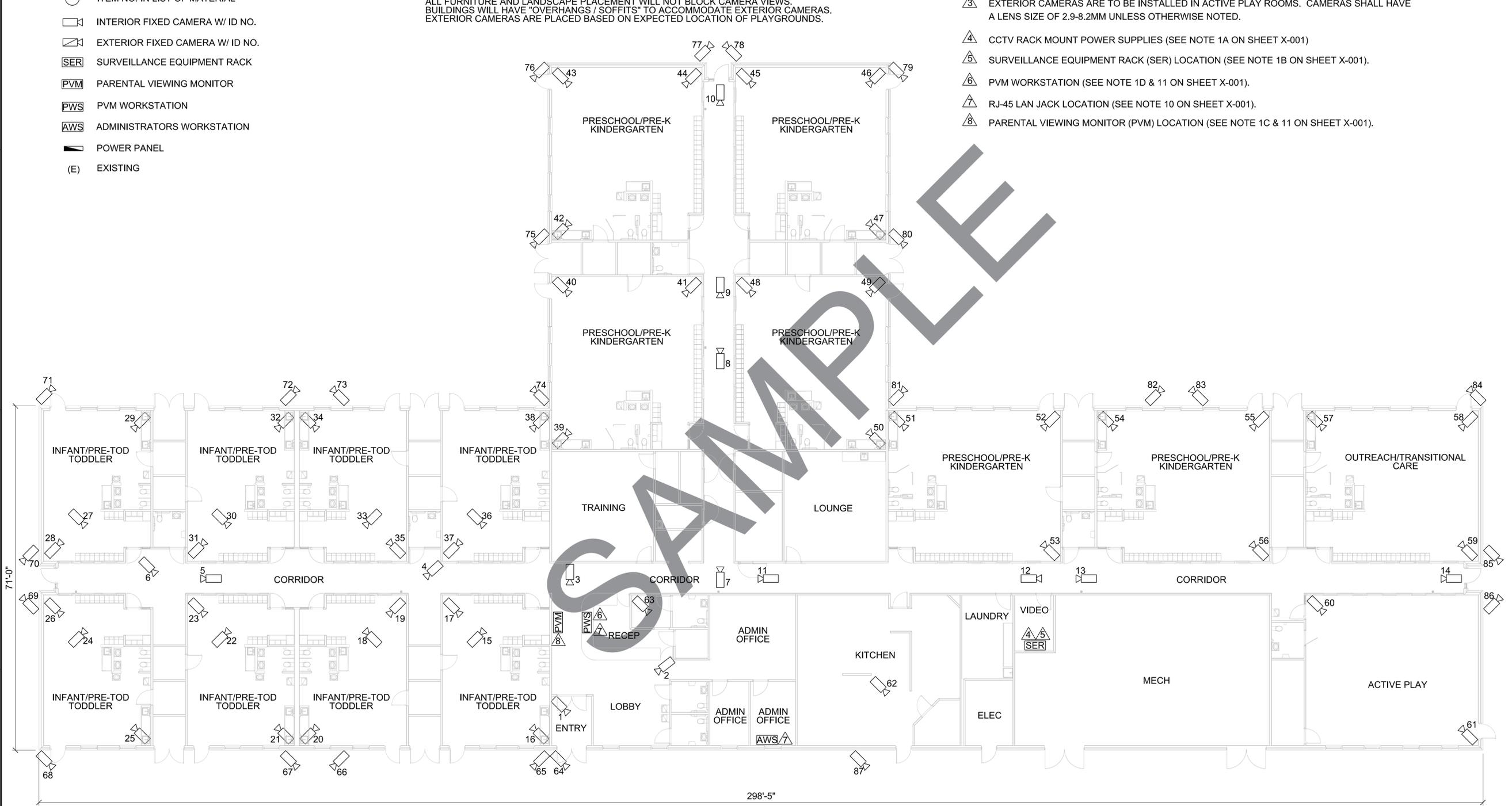
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EQUIPMENT NUMBER
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-  SURVEILLANCE EQUIPMENT RACK
-  PARENTAL VIEWING MONITOR
-  PVM WORKSTATION
-  ADMINISTRATORS WORKSTATION
-  POWER PANEL
- (E) EXISTING

DESIGNER'S NOTES

1. REFER TO THE ROOM-BY-ROOM DESCRIPTION FOR ADDITIONAL SECURITY AND MONITORING REQUIREMENTS.
2. ASSUMPTIONS (FOR CAMERA PLACEMENT ON DRAWINGS):
ALL CEILINGS ARE EIGHT (8) FEET SUSPENDED TILES UNLESS OTHERWISE NOTED.
ALL FURNITURE AND LANDSCAPE PLACEMENT WILL NOT BLOCK CAMERA VIEWS.
BUILDINGS WILL HAVE "OVERHANGS / SOFFITS" TO ACCOMMODATE EXTERIOR CAMERAS.
EXTERIOR CAMERAS ARE PLACED BASED ON EXPECTED LOCATION OF PLAYGROUNDS.

KEY NOTES

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5. SURVEILLANCE EQUIPMENT RACK (SER) LOCATION (SEE NOTE 1B ON SHEET X-001).
6. PVM WORKSTATION (SEE NOTE 1D & 11 ON SHEET X-001).
7. RJ-45 LAN JACK LOCATION (SEE NOTE 10 ON SHEET X-001).
8. PARENTAL VIEWING MONITOR (PVM) LOCATION (SEE NOTE 1C & 11 ON SHEET X-001).



PLAN
SCALE: NTS
SECURITY & MONITORING PLAN - MEDIUM



No.	Description	Date	Appr.

Designed by:	DATE: JULY 10
Drawn by:	Scale:
Reviewed by:	Drawing code:
Submitted by:	

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
0 - 5 YEARS OF AGE, MEDIUM
SECURITY &
MONITORING PLAN

Sheet reference
number:
X-102
Sheet 4 of 4

ROOM KEY NOTES - REFER TO "ROOM-BY-ROOM DESCRIPTIONS"

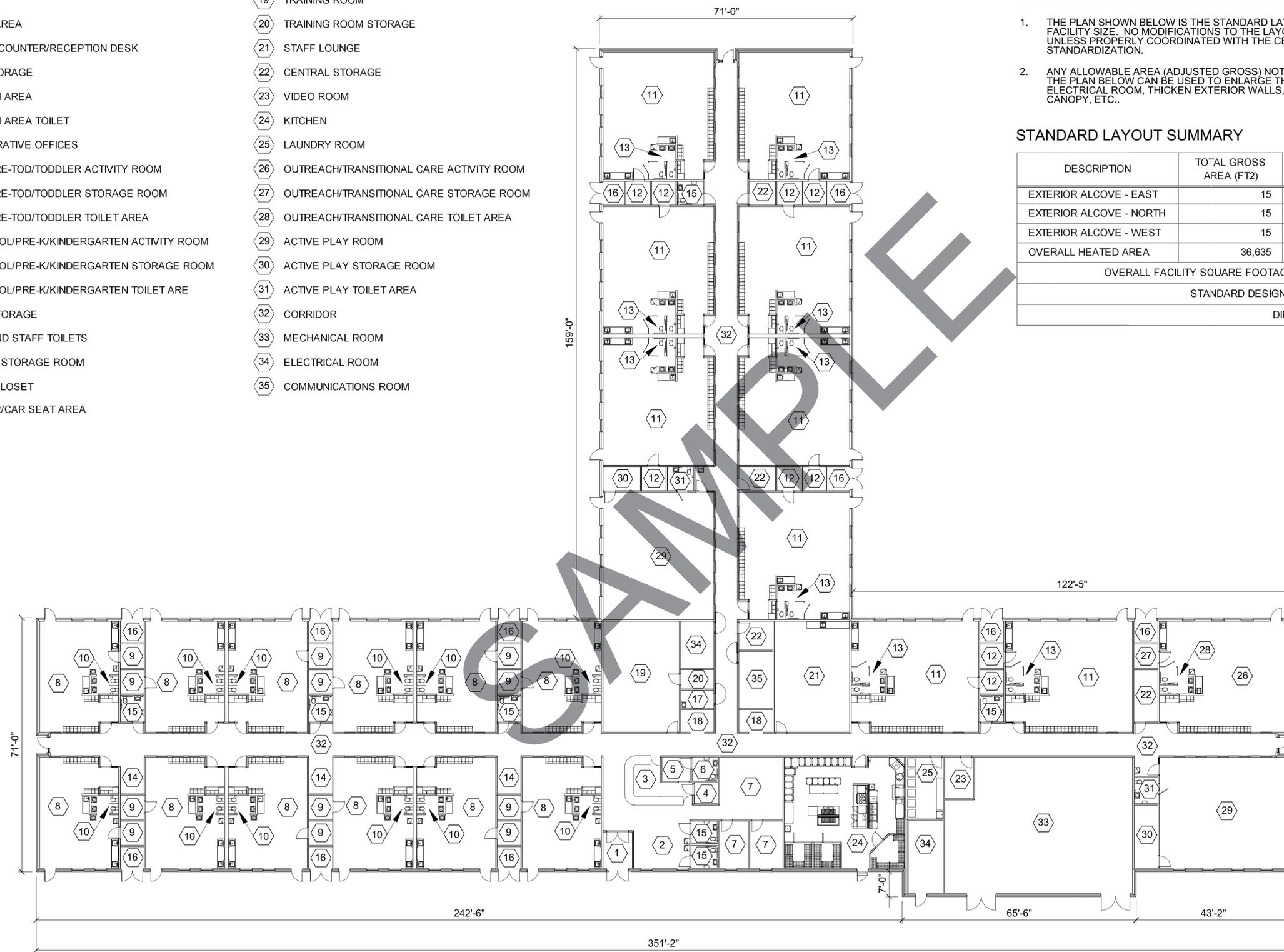
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- 3 CENTRAL COUNTER/RECEPTION DESK
- 4 ADMIN STORAGE
- 5 ISOLATION AREA
- 6 ISOLATION AREA TOILET
- 7 ADMINISTRATIVE OFFICES
- 8 INFANT/PRE-TOD/TODDLER ACTIVITY ROOM
- 9 INFANT/PRE-TOD/TODDLER STORAGE ROOM
- 10 INFANT/PRE-TOD/TODDLER TOILET AREA
- 11 PRESCHOOL/PRE-K/KINDERGARTEN ACTIVITY ROOM
- 12 PRESCHOOL/PRE-K/KINDERGARTEN STORAGE ROOM
- 13 PRESCHOOL/PRE-K/KINDERGARTEN TOILET ARE
- 14 BUGGY STORAGE
- 15 PUBLIC AND STAFF TOILETS
- 16 EXTERIOR STORAGE ROOM
- 17 JANITOR CLOSET
- 18 STROLLER/CAR SEAT AREA
- 19 TRAINING ROOM
- 20 TRAINING ROOM STORAGE
- 21 STAFF LOUNGE
- 22 CENTRAL STORAGE
- 23 VIDEO ROOM
- 24 KITCHEN
- 25 LAUNDRY ROOM
- 26 OUTREACH/TRANSITIONAL CARE ACTIVITY ROOM
- 27 OUTREACH/TRANSITIONAL CARE STORAGE ROOM
- 28 OUTREACH/TRANSITIONAL CARE TOILET AREA
- 29 ACTIVE PLAY ROOM
- 30 ACTIVE PLAY STORAGE ROOM
- 31 ACTIVE PLAY TOILET AREA
- 32 CORRIDOR
- 33 MECHANICAL ROOM
- 34 ELECTRICAL ROOM
- 35 COMMUNICATIONS ROOM

DESIGNER'S NOTES

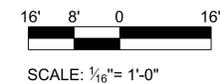
1. THE PLAN SHOWN BELOW IS THE STANDARD LAYOUT FOR THIS FACILITY SIZE. NO MODIFICATIONS TO THE LAYOUT ARE ALLOWED UNLESS PROPERLY COORDINATED WITH THE CENTER OF STANDARDIZATION.
2. ANY ALLOWABLE AREA (ADJUSTED GROSS) NOT ACCOUNTED FOR IN THE PLAN BELOW CAN BE USED TO ENLARGE THE MECHANICAL ROOM, ELECTRICAL ROOM, THICKEN EXTERIOR WALLS, ADD AN ENTRY WAY CANOPY, ETC..

STANDARD LAYOUT SUMMARY

DESCRIPTION	TOTAL GROSS AREA (FT2)	HALF AREA	ADJUSTED GROSS AREA (FT2)
EXTERIOR ALCOVE - EAST	15	Y	7.5
EXTERIOR ALCOVE - NORTH	15	Y	7.5
EXTERIOR ALCOVE - WEST	15	Y	7.5
OVERALL HEATED AREA	36,635	N	36,635
OVERALL FACILITY SQUARE FOOTAGE SHOWN:			36,658
STANDARD DESIGN MAXIMUM:			37,300
DIFFERENCE:			642



PLAN SCALE: 1/16" = 1'-0"
OVERALL FLOOR PLAN - LARGE



No.	Description	Date	Appr.

Designed by:	Date:	JULY 10
Drawn by:	Scale:	
Reviewed by:	Drawing code:	
Submitted by:		

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
0 - 5 YEARS OF AGE, LARGE
FLOOR PLAN

Sheet reference number:
A-103
Sheet 3 of 4

ATTACHMENT G

Not Used

SAMPLE

ATTACHMENT H

Not Used

SAMPLE

ATTACHMENT I

**ARMY CHILD DEVELOPMENT CENTERS
PRIMARY COLOR SCHEME**

SAMPLE

NEW PRIMARY FINISHES FOR 0-10 CDCS

JOHNSONITE
844 WINTER LAKE
OR MANNINGTON
250 SAPPHIRE

868 CARDINAL
228 NEW GERANIUM

901 CREAM PUFF
213 BANANA CREAM

886 BELUGA
161 STEEL WHITE

SHERWIN WILLIAMS
SW 6961

SW 2865

SW 7101

SW 6422

SW 6654

846 LIME CILANTRO
245 TARRAGON

CORIAN RAINCLOUD

LIVINGSTONE FLAX

JOHNSONITE WALL BASE IN 37 FOG

LAMINATE- WILSONART FUSION MAPLE

MANNINGTON MOTIVATION ION 3311

JOHNSONITE OPTIMA SHEET VINYL IN BELUGA 886

PRIMARY COLOR SCHEME ARMY CHILD DEVELOPMENT CENTERS

NOTE: All manufacturers listed below are provided as examples. Other manufacturers may be used as long as the colors, patterns, and durability are very similar. Substitutions will require Government approval.

FLOORING:

VCT:

0-5: Hallways, Admin, Entry/Waiting, Staff Lounge, Training

6-10: Hallways, Arts and Science Activity Room and Activity/ Eating Room

<u>Mannington VCT</u>	<i>or</i>	<u>Johnsonite VCT</u>
#250 Sapphire #		844 Winter Lake
#228 New Geranium #	#	868 Cardinal
#213 Banana Cream #	#	901 Cream Puff
#245 Tarragon #		846 Lime Cilantro
#161 Steel White #		886 Beluga

Sheet Vinyl:

0-5: Infant/Pre-Tod/Toddler Rooms, Pre-school/Pre-K/Kindergarten Rooms, Transitional Care Room, Active Play Room, Isolation Room

6-10: All Other Activity Rooms

Johnsonite-Tarkett Optima Sheet Vinyl
#886 Beluga

Cove Base:

Johnsonite
#37 Fog

Carpet (Anti-Static):

6-10: Computer Lab/Homework Center

Mannington, Enhanced Texture Loop
Pattern- Motivation; Color-Ion 3311

Quarry Tile:

0-5: Kitchen, Laundry, Janitor

6-10: Kitchen

American Olean “Naturals”

N46 Shadow Gray (Abrasive Grain)

- or-

Dal-Tile

OT03 Ashen Gray

Grout for Quarry Tile:

Custom Building Products – “The Naturals” – 100% Solid Epoxy

#19 Pewter

Ceramic Tile:

Toilet areas

Natura Floor Tile – “Liberty” (slip resistant)

#8613 Pewter

- or-

Dal-Tile

DC05 Ice Gray

WALLS:

Ceramic Tile:

Kitchen

Laufen International

LWBG 301-4 White Bright Glaze

- or-

Dal-Tile

0190 Arctic White

Restrooms and Toilet Areas

Laufen International

LWBG 301-4 White Bright Glaze

- or-

Dal-Tile

0190 Arctic White

May 18. 2010

SOLID SURFACE:

Corian
Raincloud
-or-
Livingstone
Flax

LAMINATE:

Wilsonart
Fusion Maple

PAINT CHOICES:

Sherwin Williams
#SW 6961
#SW 2865
#SW 7101
#SW 6422
#SW 6654

SAMPLE

ATTACHMENT G

Not Used

SAMPLE

ATTACHMENT H

Not Used

SAMPLE

ATTACHMENT I

ARMY CHILD DEVELOPMENT CENTERS
SOUTHWEST COLOR SCHEME

SAMPLE

NEW SOUTHWEST FINISHES FOR 0-10 CDCS

JOHNSONITE
858 BREAKWATER
OR MANNINGTON
210 NIAGRA BLUE

867 TOMATO PASTE
206 APRICOT HAZE

850 FLAN
213 BANANA CREAM

879 BARLEY SOUP
107 BISQUE

SHERWIN WILLIAMS
SW 6472

SW 2865

SW 6386

SW 6219

SW 6646

842 SEA PORT
225 EVERGREEN

CORIAN TUMBLEWEED

LIVINGSTONE KEYWEST

JOHNSONITE WALL BASE IN 19 DESERT CAMEL

LAMINATE- WILSONART FUSION MAPLE

MANNINGTON MOTIVATION ELECTRON 4310

JOHNSONITE OPTIMA SHEET 850 FLAN

SOUTHWEST COLOR SCHEME **ARMY CHILD DEVELOPMENT CENTERS**

NOTE: All manufacturers listed below are provided as examples. Other manufacturers may be used as long as the colors, patterns, and durability are very similar. Substitutions will require Government approval.

FLOORING:

VCT:

0-5: Hallways, Admin, Entry/Waiting, Staff Lounge, Training

6-10: Hallways, Arts and Science Activity Room and Activity/ Eating Room

Mannington VCT

or

Johnsonite VCT

#210 Niagra Blue

#858 Breakwater

#206 Apricot Haze

#867 Tomato Paste

#213 Banana Cream

#850 Flan

#225 Evergreen

#842 Sea Port

#107 Bisque

#879 Barley Soup

Sheet Vinyl:

0-5: Infant/Pre-Tod/Toddler Rooms, Pre-school/Pre-K/Kindergarten Rooms, Transitional Care Room, Active Play Room, Isolation Room

6-10: All Other Activity Rooms

Johnsonite-Tarkett Optima Sheet Vinyl

#850 Flan

Cove Base:

Johnsonite

#19 Desert Camel

Carpet (Anti-Static):

6-10: Computer Lab/Homework Center

Mannington, Enhanced Texture Loop

Pattern- Motivation; Color-Electron

Quarry Tile:

0-5: Kitchen, Laundry, Janitor

6-10: Kitchen

American Olean “Naturals”

N03 Deserty (Abrasive Grain)

- or-

Dal-Tile

OT05 Adobe Brown

Grout for Quarry Tile:

Custom Building Products – “The Naturals” – 100% Solid Epoxy

#50 Nutmeg

Ceramic Tile:

Toilet areas

Natura Floor Tile – “Liberty” (slip resistant)

#8607 Natural

- or-

Dal-Tile

DC01 Biscuit

WALLS:

Ceramic Tile:

Kitchen

Laufen International

LWBG 301-4 White Bright Glaze

- or-

Dal-Tile

0190 Arctic White

Restrooms and Toilet Areas

Laufen International

LWBG 301-4 White Bright Glaze

- or-

Dal-Tile

0190 Arctic White

May 18, 2010

SOLID SURFACE:

Corian
Tumbleweed
- or -
Livingstone
Keywest

LAMINATE:

Wilsonart
Fusion Maple

PAINT CHOICES:

Sherwin Williams
#SW 6472
#SW 2865
#SW 6386
#SW 6219
#SW 6646

SAMPLE

ATTACHMENT A

Not Used

SAMPLE

ATTACHMENT B

Not Used

SAMPLE

ATTACHMENT C

The Army Standard for Child Development Center Construction
(for school-age children)

SAMPLE

The Army Standard for Child Development Center Construction
(for school-age children)
October 2004

Standard Child Development Center Designs for children, generally between the ages of 6-10, have been developed to support the needs of school-age children. Designs provide the mandatory configuration, functional relationships, and associated outdoor activity space. Facility designs are provided for the following child capacities:

- 60-75 child capacity (wing addition)
- 105-135 child capacity
- 150-180 child capacity
- 195-225 child capacity

The Army Standards for Child Development Centers for school-age children are as follows and are based on Army Baseline Standards, DoD requirements for certification and the National AfterSchool Association standards required for accreditation.

Item	Criteria
Central Counter/Reception Desk	Must have central counter for clerk to view/observe the flow of children, parents and visitors. A small area designated behind the reception desk to serve as a rest area for sick children. The configuration and functional relationship between the main entry and the central counter/reception desk must be maintained.
Patron/Visitor Waiting Area	Must have a waiting area for parents and visitors adjacent to the central counter/reception desk.
Director's Office	Must be located across from the central counter/reception desk and directly accessible from the waiting area.
Training Area	Must have a Training Area in all facilities with the exception of the 60-75 capacity facility wing addition. Training area includes a minimum of two workstations with computers and internet connectivity.
Staff Lounge	Must be provided in all facilities except for in the 60-75 capacity wing addition. Staff lounge must be located adjacent to the Training Area. Must include counter space with a sink and refrigerator. Must provide for a space within or near the lounge for staff to secure belongings.

Staff/Visitor Restrooms	Must have handicapped accessible restrooms in the entry/lobby of the facility for use by parents, visitors, and staff. These restrooms must be separate from those used by children.
Computer Lab	Must have computer lab strategically located adjacent to the entry area. Minimum of 525 square foot area for 15 children (35 sq ft per child). This space must accommodate 15 computer workstations. In the 75 capacity wing and the 135 capacity facility this area dual functions as a Computer Lab and Homework Center with 7 computer workstations.
Homework Center	Must provide for a self-contained area adjacent to the Computer Lab in the 180 and 225 capacity facility. Provide for a minimum of 525 square foot area for 15 children (35 sq. ft. per child).
Activity Rooms	Must provide activity rooms to be used for multiple activities such as arts/crafts, science, performing arts/drama, skill-building classes, club meetings, etc. Activity rooms to have a minimum of 675 square feet for 15 children each (45 sq. ft. per child).
Open Activity Area(s) (Atrium)	Must have an open activity area adjacent to the Teaching Kitchen in the 135, 180 and 225 child capacity facilities. Each open area provides a 40 foot X 16 foot area or 45 square feet of space for 15 children. Circulation space: 2438 mm (8') to provide a minimum of 1830 mm (6') clear for circulation around activity areas to meet egress requirements. Clerestory windows provide natural lighting into the area. Skylights are not an acceptable means of meeting the natural lighting requirements.
Commercial Grade Kitchen	Commercial grade kitchen must be provided in the 135, 180 and 225 child capacity facilities. Kitchen must include a dry storage area. A pass-through window between the kitchen and teaching kitchen will be provided.

Teaching Kitchen	Must have a teaching kitchen in all CDC for school-age children. Teaching kitchen must be adjacent to the commercial grade kitchen. Teaching kitchen area is incorporated into an activity room in the 75 child capacity wing.
Multi-Purpose Room	Must include a multi-purpose room 319.5 sq. meters (3439 sq. ft) for school-age children with an electrically operated drop divider curtain in the 135, 180 and 225 child capacity facilities. For the 75 child capacity wing the multi-purpose room will be 209 sq. meters (2250 sq ft). Provide unmarked athletic flooring and a 1525 mm (5') high shatterproof mirror applied to exterior wall.
Storage Rooms	A large storage and issue room adjacent to the multi-purpose room and accessible from the interior as well as exterior with roll-up doors is required. An additional storage area is provided for the 135, 180 and 225 child capacity facilities.
Male/Female Toilet Areas for Children	Separate male and female toilet areas for children in the program are required. One toilet and one sink per 18 school-age children is required.
Janitorial Closet	A janitorial closet is required adjacent to the children's toilet areas.
Laundry Room	Must provide space for one residential grade washer and dryer. Dryer to be vented to the outside.
Vision Panels	Vision panels are interior windows that are integral to visual monitoring and provide an additional risk prevention measure. Vision panels must be provided and locations are indicated on the floor plans.
Intercom System	Must have a two-way intercom system capable of allowing program staff to only communicate with the main reception desk.
Video Monitoring Security System/Closed Circuit Television (CCTV)	Must have video monitoring system to deter and reduce the risk of child abuse and protect staff from unwarranted allegations of abuse. Location of and type cabling to support the system is specified in the design booklet.

Outdoor Activity Area	<p>Outdoor activity space must be provided to support wide range of program activities. Outdoor activity space for children must consist of the following:</p> <ul style="list-style-type: none"> * Hard surface area * Open field area * Shaded area * Swings * <i>OPTIONAL</i>: Age-appropriate play structure <p>Hose bibs, water fountains, and out-door electrical outlet are required. Outdoor Activity Area must be fenced. All fencing must be vinyl coated chain-link security type.</p>
Parking	<p>Parking for patrons and staff is required. Provide a sidewalk that leads from the car directly to the front entry without crossing traffic lanes. School buses to deliver and pick up children curbside on sidewalk that leads directly into the facility.</p>
Service Road/Drive	<p>Service road/drive must be provided on the side of the building adjacent to the mechanical room, providing vehicular access to the kitchen service entry, mechanical yard, electrical room and storage room. The service drive will have a controlled access point with a controlled structure.</p>
Controlled Security Access	<p>A security system must be installed to facilitate entry into the facility (e.g. buzzer).</p>
HVAC	<p>HVAC units will provide heating and air conditioning for the entire facility excluding the Mechanical and Electrical Rooms which require only heating. A system with zoning flexibility must be provided.</p>

BACKGROUND

Applicability: These criteria apply immediately to all new MCA funded Child Development Centers (for school-age children 6-10 years of age) using one of the four new standard designs (2004). The new standard Child Development Center designs are as follows: 1) 60-75 child capacity wing addition, 2) 105-135 child capacity center 3) 150-180 child capacity center and 4) 195-225 child capacity center for school-age children 6-10 years of age. The configuration and functional relationships are mandatory and shall be retained.

General Design Philosophy:

Two cornerstones of the Army's Child and Youth Services Mission are availability and predictability of programs and services. School-Age Programs, for children between the ages of 6-10, may be offered before school and after school during the duty day, summers, school out days and holidays. Historically, participation increases during the summer program.

School-Age Programs support readiness and well-being of families by reducing the conflict between military mission requirements and parental responsibilities.

In concert with the Department of the Army's Standardization Program and to provide predictability and consistency for both mobile Child and Youth Services staff and children - regardless of location - three facilities are designed to accommodate a maximum of 135, 180, or 225 children through programming options. In addition, an optional wing is designed for a maximum of 75 children that is intended to be an addition to an existing facility.

The overall objective is to provide Standard Designs to complement and support the programmatic objectives and to provide a safe, secure, and age appropriate indoor and outdoor activity space. The Standard Design and the associated outdoor activity space provide the user with the mandatory functional and spatial relationships needed to meet the Army Baseline Standards, DoD Certification and accreditation standards of the National AfterSchool Association.

The design goal results in facilities that are child friendly, that support risk management, and are easily adaptable for staff, and relatively maintenance free.

GUIDANCE

Facility Site – The Child Development Center (CDC) will be sited a minimum of 45 meters (150') from the installation perimeter and 25 meters (82') from trash containers, roadways and parking lots. If these standoff distances are not provided, the CDC will be hardened as described in the "DoD Antiterrorism Minimum Construction Standards for Buildings".

Grading – The site will be graded to drain away from the new structure to existing drainage ditches or storm drain systems.

Utilities – All utilities, except storm water, will be routed from the new structure underground to the existing source.

Landscaping – Irrigation of turf and significant landscaping may be required in geographical areas which are arid. Landscaping is an important tool in the implementation of Force Protection measures. Landscaped earth berms shall be used to provide an attractive natural barrier. Shrubs, bushes, trees, flowers, etc. used around the CDC and outdoor activity area shall be evaluated for potential hazard or toxicity. No toxic chemicals or herbicides shall be used to clear the site of unwanted vegetation.

Interior Color Scheme – Interior colors will be low maintenance neutrals to mitigate visual clutter and provide a backdrop for colorful artwork.

Casework – Provide for solid surfacing counter tops and high quality cabinets.

Exterior Windows - Exterior windows at ground level shall be double hung aluminum windows with insulated glass. Windows to open from top only. Bottom sash shall be permanently fixed in a closed position.

Life Safety – The building fire protection system, shall be designed in accordance with the applicable standards contained in the National Fire Protection Association (NFPA) Life Safety Code 101 and the Unified Facilities Criteria (UFC) 3-600-01, Design: Fire Protection Engineering for Facilities. The CDC shall be protected throughout by an approved automatic wet pipe sprinkler system.

Accessibility – The CDC shall be designed in compliance with the Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities.

Signage – The facility can be identified as a "School-Age Center". The installation or community name or geographic location of the facility may be used for public identification purposes. Location of sign is a site-adapt issue. According to the approved Army Installation Design Guide Standards, building number will not be displayed/located on the outside of the building.

Antiterrorism/Force Protection – The most current guidance has been incorporated into the site layout and standard design. To protect the facility and its occupants, consider a natural approach without degrading the visual surroundings as a method of protection.

Features shown in the Standard Design, such as clearstory windows for enhanced interior natural lighting, shall be considered major design elements for all projects. Other features to include the Open Activity Area(s), solid surfacing counter tops and high quality cabinets were addressed during the Value Engineering (VE) Study. The items were evaluated and determined to offer “value” to these facilities and should not be eliminated by future VE studies or suggestions.

Additional guidance is provided in the Standard Design Package.

SAMPLE

ATTACHMENT D

Not Used

SAMPLE

ATTACHMENT E

DA STANDARD DESIGN PACKAGE
CHILD DEVELOPMENT CENTER
FOR CHILDREN 6-10 YEARS OF

INTERIOR FINISH SCHEDULE AND
ROOM DESCRIPTIONS

SAMPLE



US Army Corps of Engineers

HUNSTVILLE CENTER

DA STANDARD DESIGN PACKAGE

**CHILD DEVELOPMENT CENTER
FOR CHILDREN 6-10 YEARS OF AGE**

INTERIOR FINISH SCHEDULE AND ROOM DESCRIPTIONS

<u>LARGE</u>	<u>-195-225 CAPACITY</u>
<u>MEDIUM</u>	<u>-150-180 CAPACITY</u>
<u>SMALL</u>	<u>-105-135 CAPACITY</u>
<u>WING ADDITION</u>	<u>- 60-75 CAPACITY</u>

October, 2010

LARGE 195-225 CAPACITY

INTERIOR FINISH SCHEDULE

ROOM NAME	ROOM AREA SF	FLOOR MATERIAL	BASE MATERIAL	WALLS MATERIAL	CEILING MATERIAL	CEILING HEIGHT FT
1. VESTIBULE #1	57*	QT	QT	EPGB	ACT	8
1a. VESTIBULE #2	57*	QT	QT	EPGB	ACT	8
1b. WAITING AREA (Not Included)	-	-	-	-	-	-
2. CORRIDORS 1 & 2	515*	VCT	RB	EPGB	ACT	8
3. GATHERING AREA	221	CPT	RB	EPGB	ACT	16
4. MAIN ATRIUM	2,292*	VCT	RB	EPGB	ACT	16
5. SECONDARY ATRIUM 1	1,376*	VCT	RB	EPGB	ACT	12/8
6. SECONDARY ATRIUM 2	1,913*	VCT	RB	EPGB	ACT	12/8
7. TEACHING/ DEMO KITCHEN	53*	VCT	RB	EPGB	ACT	8
8. CENTRAL COUNTER RECEPTION	140	CPT	RB	PGB	ACT	8
9. STAFF TOILET/ FIRST AID	60*	SV	RB	EPGB	ACT	8
10. DIRECTOR OFFICE	197	CPT	RB	PGB	ACT	8
11. TRAINING ROOM	242	VCT	RB	EPGB	ACT	8
12. STAFF LOUNGE	346	VCT	RB	EPGB	ACT	8
13. VIDEO MONITOR RM.	123	VCT	RB	EPGB	ACT	8
14. STAFF & PUBLIC TOILET	60*	CT	CT	CT/EPGB	ACT	8
15. KITCHEN	633	QT	QT	CT	V ACT	8
16. DRY FOOD STORAGE	80	SV	RB	EPGB	V ACT	8
17. WALK IN COOLER	69	CONC	PRE-FAB	PRE-FAB	PRE-FAB	8
18. MALE TOILET 1	283*	CT	CT	CT/EPGB	ACT	8
19. MALE TOILET 2	182*	CT	CT	CT/EPGB	ACT	8
20. FEMALE TOILET 1	283*	CT	CT	CT/EPGB	ACT	8
21. FEMALE TOILET 2	182*	CT	CT	CT/EPGB	ACT	8
22. JANITOR	60	QT	QT	EPGB	EPGB	8
23. SUPPLY STORAGE	227	VCT	RB	EPGB	V ACT	8
24. LAUNDRY	116	QT	QT	EPGB	EPGB	8
25. MULTI- PURPOSE RM.	3,452*	ATHL	RB	PCMU	E STRU	VARIES
26. MULTI- PURPOSE RM. TOILETS (2 total)	136* (total)	CT	CT	CT/EPGB	ACT	8
27. MULTI-PURPOSE STOR.	242	VCT	RB	EPGB	ACT	8
28. STORAGE & ISSUE	723	CONC	RB	PGB	E STRU	VARIES

29. ART & SCIENCE ACTIVITY ROOM	719*	VCT	RB	EPGB	ACT	8
30. PERFORMING ARTS ACTIVITY ROOM	760*	WD	WD	EPGB	ACT	8
31. ACTIVITY ROOM #1	692*	VCT	RB	EPGB	ACT	8
32. HOMEWORK CENTER	534*	VCT	RB	EPGB	ACT	8
33. SECURE STORAGE RM.	60	CPT	RB	EPGB	ACT	8
34. COMPUTER LAB	532*	CPT	RB	EPGB	ACT	8
35. COMPUTER HOMEWORK LAB (Not Included)	-	-	-	-	-	-
36. COMMUNICATION ROOM	142	VCT	RB	PGB	PGB	9
37. ELECTRICAL ROOM	119	VCT	RB	PGB	PGB	9
38. MECHANICAL ROOM	1,123	CONC	RB		E STRU	-
39. COVERED ENTRY	7	CONC	-	-	-	-
40. ELECTRICAL ROOM #2	61	VCT	RB	PGB	PGB	9
41. ACTIVITY ROOM #2	734*	VCT	RB	EPGB	ACT	8
42. ACTIVITY ROOM #3	675*	VCT	RB	EPGB	ACT	8
43. ACTIVITY ROOM #4	675*	VCT	RB	EPGB	ACT	8
44. STORAGE CANOPY	47	CONC	-	-	-	-
TOTAL PROGRAMED SPACES	21,280					
TOTAL GROSS FACTOR (Includes interior and exterior wall thicknesses)	1,647					
TOTAL BUILDING GROSS	22,927					

- **NOTE:** Program Space that have a mandatory minimum size are identified by an astride.

1. COMPUTER LABS: (space 34)

Minimum of 525 square foot area for 15 children (35 sq ft per child). This space must accommodate 15 computer workstations. In the 75 capacity wing and the 135 capacity facility this area dual functions as a Computer Lab and Homework Center with 7 computer workstations.

2.HOMEWORK CENTER: (spaces 32)

Provide for a minimum of 525 square foot area for 15 children (35 sq. ft. per child)

3.ACTIVITY ROOMS: (spaces 29, 30, 31, 42, 43, 44)

Activity rooms to have a minimum of 675 square feet for 15 children each (45 sq. ft. per child)

4. OPEN ACTIVITY AREAS:(spaces 4, 5, 6, 7)

Must have an open activity area adjacent to the Teaching Kitchen in the 135, 180 and 225 child capacity facilities. Each open area provides a 40 foot X 16 foot area or 45 square feet of space for 15 children. Circulation space: 8 feet to provide a minimum of 6 feet clear for circulation around activity areas to meet egress requirements. Clerestory windows provide natural lighting into the area. Skylights are not an acceptable means of meeting the natural lighting requirements.

5. MULTI-PURPOSE ROOM:(space 25)

Must include a multi-purpose room (3439 sq. ft)

6. TOILET SPACE:(spaces 9,14,18,19,20,21,26)

Separate male and female toilet areas for children in the program are required. One toilet and one sink per 18 school-age children is required.

All other spaces may be adjusted but the overall building gross square footage, including exterior canopies, cannot exceed the 22,927 square footage. In calculating your gross square footage, exterior canopy or cover shall be divided by 2.

FINISH SCHEDULE LEGEND:

ACT	Acoustical Ceiling Tile
ATHL FL	Athletic Floor - Connor's 4 + 4 Elastic-plus flooring system or approved equal.
CONC	Concrete Floor
CT	Ceramic Tile
CPT	Carpet
EPGB	Epoxy Painted Gypsum Board
E STRU	Exposed Structure
PCMU	Painted Concrete Masonry Units
PGB	Painted Gypsum Board
QT	Quarry Tile
RB	Rubber Base
SV	Sheet Vinyl
VACT	Vinyl Faced drywall Panels on a Suspension System
VCT	Vinyl Composition Tile
WD	Wood flooring system appropriate for dance
EXTGB	Exterior Gyp Board

MEDIUM 150-180 CAPACITY

INTERIOR FINISH SCHEDULE

ROOM NAME	ROOM AREA SF	FLOOR MATERIAL	BASE MATERIAL	WALLS MATERIAL	CEILING MATERIAL	CEILING HEIGHT FT
1. VESTIBULE #1	57 *	QT	QT	EPGB	ACT	8
1a. VESTIBULE #2	57 *	QT	QT	EPGB	ACT	8
1b. WAITING AREA (Not Included)	-	-	-	-	-	-
2. CORRIDORS 1 & 2	515*	VCT	RB	EPGB	ACT	8
3. GATHERING AREA	221	CPT	RB	EPGB	ACT	16
4. MAIN ATRIUM	2,292*	VCT	RB	EPGB	ACT	16
5. SECONDARY ATRIUM 1	1,376*	VCT	RB	EPGB	ACT	12/8
6. SECONDARY ATRIUM 2	1,726*	VCT	RB	EPGB	ACT	12/8
7. TEACHING/ DEMO KITCHEN	53*	VCT	RB	EPGB	ACT	8
8. CENTRAL COUNTER RECEPTION	140	CPT	RB	PGB	ACT	8
9. STAFF TOILET/ FIRST AID	60*	SV	RB	EPGB	ACT	8
10. DIRECTOR OFFICE	197	CPT	RB	PGB	ACT	8
11. TRAINING ROOM	242	VCT	RB	EPGB	ACT	8
12. STAFF LOUNGE	346	VCT	RB	EPGB	ACT	8
13. VIDEO MONITOR RM.	123	VCT	RB	EPGB	ACT	8
14. STAFF & PUBLIC TOILET	60*	CT	CT	CT/EPGB	ACT	8
15. KITCHEN	633	QT	QT	CT	V ACT	8
16. DRY FOOD STORAGE	80	SV	RB	EPGB	V ACT	8
17. WALK IN COOLER	69	CONC	PRE-FAB	PRE-FAB	PRE-FAB	8
18. MALE TOILET 1	283*	CT	CT	CT/EPGB	ACT	8
19. MALE TOILET 2	182*	CT	CT	CT/EPGB	ACT	8
20. FEMALE TOILET 1	283*	CT	CT	CT/EPGB	ACT	8
21. FEMALE TOILET 2	182*	CT	CT	CT/EPGB	ACT	8
22. JANITOR	60	QT	QT	EPGB	EPGB	8
23. SUPPLY STORAGE	227	VCT	RB	EPGB	V ACT	8
24. LAUNDRY	116	QT	QT	EPGB	EPGB	8
25. MULTI- PURPOSE RM.	3,452*	ATHL	RB	PCMU	E STRU	VARIES
26. MULTI- PURPOSE RM. TOILETS (2 total)	136* (total)	CT	CT	CT/EPGB	ACT	8
27. MULTI-PURPOSE STOR.	242	VCT	RB	EPGB	ACT	8
28. STORAGE & ISSUE	723	CONC	RB	PGB	E STRU	VARIES
29. ART & SCIENCE ACTIVITY ROOM	719*	VCT	RB	EPGB	ACT	8
30. PERFORMING ARTS ACTIVITY ROOM	760*	WD	WD	EPGB	ACT	8
31. ACTIVITY ROOM #1	692*	VCT	RB	EPGB	ACT	8
32. HOMEWORK CENTER	534*	VCT	RB	EPGB	ACT	8

33. SECURE STORAGE RM.	60	CPT	RB	EPGB	ACT	8
34. COMPUTER LAB	532*	CPT	RB	EPGB	ACT	8
35. COMPUTER HOMEWORK LAB (Not Included)	-	-	-	-	-	-
36. COMMUNICATION ROOM	87	VCT	RB	PGB	PGB	9
37. ELECTRICAL ROOM	119	VCT	RB	PGB	PGB	9
38. MECHANICAL ROOM	1,123	CONC	RB		E STRU	-
39. COVERED ENTRY 1&2	101	CONC				8
40. ELECTRICAL ROOM #2	52	VCT	RB	PGB	PGB	9
41. ACTIVITY ROOM #2 (Not Included)	-	-	-	-	-	-
42. ACTIVITY ROOM #3 (Not Included)	-	-	-	-	-	-
43. ACTIVITY ROOM #4 (Not Included)	-	-	-	-	-	-
44. STORAGE CANOPY	47	CONC	-	-	-	-
TOTAL PROGRAMED SPACES	18,899					
TOTAL GROSS FACTOR (Includes interior and exterior wall thicknesses)	1,585					
TOTAL BUILDING GROSS	20,484					

- **NOTE:** Program Space that have a mandatory minimum size are identified by an astride.

1. COMPUTER LABS: (space 34)

Minimum of 525 square foot area for 15 children (35 sq ft per child). This space must accommodate 15 computer workstations. In the 75 capacity wing and the 135 capacity facility this area dual functions as a Computer Lab and Homework Center with 7 computer workstations.

2.HOMEWORK CENTER: (spaces 32)

Provide for a minimum of 525 square foot area for 15 children (35 sq. ft. per child)

3.ACTIVITY ROOMS: (spaces 29, 30, 31)

Activity rooms to have a minimum of 675 square feet for 15 children each (45 sq. ft. per child)

4. OPEN ACTIVITY AREAS:(spaces 4, 5, 6, 7)

Must have an open activity area adjacent to the Teaching Kitchen in the 135, 180 and 225 child capacity facilities. Each open area provides a 40 foot X 16 foot area or 45 square feet of space for 15 children. Circulation space: 8 feet to provide a minimum of 6 feet clear for circulation around activity areas to meet egress requirements. Clerestory windows provide natural lighting into the area. Skylights are not an acceptable means of meeting the natural lighting requirements.

5. MULTI-PURPOSE ROOM:(space 25)

Must include a multi-purpose room (3439 sq. ft)

6. TOILET SPACE:(spaces 9,14,18,19,20,21,26)

Separate male and female toilet areas for children in the program are required. One toilet and one sink per 18 school-age children is required.

All other spaces may be adjusted but the overall building gross square footage, including exterior canopies, cannot exceed the 20,484 square footage. In calculating your gross square footage, exterior canopy or cover shall be divided by 2.

FINISH SCHEDULE LEGEND:

ACT	Acoustical Ceiling Tile
ATHL FL	Athletic Floor - Connor's 4 + 4 Elastic-plus flooring system or approved equal.
CONC	Concrete Floor
CT	Ceramic Tile
CPT	Carpet
EPGB	Epoxy Painted Gypsum Board
E STRU	Exposed Structure
PCMU	Painted Concrete Masonry Units
PGB	Painted Gypsum Board
QT	Quarry Tile
RB	Rubber Base
SV	Sheet Vinyl
VACT	Vinyl Faced drywall Panels on a Suspension System
VCT	Vinyl Composition Tile
WD	Wood flooring system appropriate for dance
EXTGB	Exterior Gyp Board

SMALL 105-135 CAPACITY

INTERIOR FINISH SCHEDULE

ROOM NAME	ROOM AREA SF	FLOOR MATERIAL	BASE MATERIAL	WALLS MATERIAL	CEILING MATERIAL	CEILING HEIGHT FT
1. VESTIBULE #1	55*	QT	QT	EPGB	ACT	8
1a. VESTIBULE #2 (Not Included)	-	-	-	-	-	-
1b. WAITING AREA	108	-	-	-	-	-
2. CORRIDORS 1 & 2 & 3	684*	VCT	RB	EPGB	ACT	8
3. GATHERING AREA (Not Included)	-	-	-	-	-	-
4. MAIN ATRIUM	2,053*	VCT	RB	EPGB	ACT	16
5. SECONDARY ATRIUM 1 (Not Included)	-	-	-	-	-	-
6. SECONDARY ATRIUM 2 (Not Included)	-	-	-	-	-	-
7. TEACHING/ DEMO KITCHEN	55	CT	CT	EPGB	ACT	8
8. CENTRAL COUNTER RECEPTION	151	CPT	RB	PGB	ACT	8
9. STAFF TOILET/ FIRST AID	59*	SV	RB	EPGB	ACT	8
10. DIRECTOR OFFICE	112	CPT	RB	PGB	ACT	8
11. TRAINING ROOM	198	VCT	RB	EPGB	ACT	8
12. STAFF LOUNGE	120	VCT	RB	EPGB	ACT	8
13. VIDEO MONITOR RM.	115	VCT	RB	EPGB	ACT	8
14. STAFF & PUBLIC TOILET	597*	CT	CT	CT/EPGB	ACT	8
15. KITCHEN	483	QT	QT	CT	V ACT	8
16. DRY FOOD STORAGE	42	SV	RB	EPGB	V ACT	8
17. WALK IN COOLER	54	CONC	PRE-FAB	PRE-FAB	PRE-FAB	8
18. MALE TOILET 1	202*	CT	CT	CT/EPGB	ACT	8
19. MALE TOILET 2 (Not Included)	-	-	-	-	-	-
20. FEMALE TOILET 1	202*	CT	CT	CT/EPGB	ACT	8
21. FEMALE TOILET 2 (Not Included)	-	-	-	-	-	-
22. JANITOR	37	QT	QT	EPGB	EPGB	8
23. SUPPLY STORAGE (Not Included)	-	-	-	-	-	-
24. LAUNDRY	85	QT	QT	EPGB	EPGB	8
25. MULTI- PURPOSE RM.	3,452*	ATHL	RB	PCMU	E STRU	VARIES
26. MULTI- PURPOSE RM. TOILETS (2 total)	136 (total)	CT	CT	CT/EPGB	ACT	8
27. MULTI-PURPOSE STOR.	242	VCT	RB	EPGB	ACT	8
28. STORAGE & ISSUE	724	CONC	RB	PGB	E STRU	VARIES

29. ART & SCIENCE ACTIVITY ROOM	706*	VCT	RB	EPGB	ACT	8
30. PERFORMING ARTS ACTIVITY ROOM	677*	WD	WD	EPGB	ACT	8
31. ACTIVITY ROOM #1	676*	VCT	RB	EPGB	ACT	8
32. HOMEWORK CENTER (Not Included)	-	-	-	-	-	-
33. SECURE STORAGE RM.	39	CPT	RB	EPGB	ACT	8
34. COMPUTER LAB (Not Included)	-	-	-	-	-	-
35. COMPUTER HOMEWORK LAB	526*	CPT	RB	EPGB	ACT	8
36. COMMUNICATION ROOM	91	VCT	RB	PGB	PGB	9
37. ELECTRICAL ROOM	83	VCT	RB	PGB	PGB	9
38. MECHANICAL ROOM	508	CONC	RB		E STRU	-
39. COVERED ENTRY	80	CONC				8
40. ELECTRICAL ROOM #2 (Not Included)	-	-	-	-	-	-
41. ACTIVITY ROOM #2 (Not Included)	-	-	-	-	-	-
42. ACTIVITY ROOM #3 (Not Included)	-	-	-	-	-	-
43. ACTIVITY ROOM #4 (Not Included)	-	-	-	-	-	-
44. STORAGE CANOPY	-	-	-	-	-	-
TOTAL PROGRAMED SPACES	13,352					
TOTAL GROSS FACTOR (Includes interior and exterior wall thicknesses)	503					
TOTAL BUILDING GROSS	13,855					

- **NOTE:** Program Space that have a mandatory minimum size are identified by an astride.

1. COMPUTER LABS: (space 35)

Minimum of 525 square foot area for 15 children (35 sq ft per child). This space must accommodate 15 computer workstations. In the 75 capacity wing and the 135 capacity facility this area dual functions as a Computer Lab and Homework Center with 7 computer workstations.

2.HOMEWORK CENTER: (Not Included)

3.ACTIVITY ROOMS: (spaces 29, 30, 31)

Activity rooms to have a minimum of 675 square feet for 15 children each (45 sq. ft. per child)

4. OPEN ACTIVITY AREAS:(spaces 4, 7)

Must have an open activity area adjacent to the Teaching Kitchen in the 135, 180 and 225 child capacity facilities. Each open area provides a 40 foot X 16 foot area or 45

square feet of space for 15 children. Circulation space: 8 feet to provide a minimum of 6 feet clear for circulation around activity areas to meet egress requirements. Clerestory windows provide natural lighting into the area. Skylights are not an acceptable means of meeting the natural lighting requirements.

5. MULTI-PURPOSE ROOM:(space 25)

Must include a multi-purpose room (3439 sq. ft)

6. TOILET SPACE:(spaces 9,14,18,20, 26)

Separate male and female toilet areas for children in the program are required. One toilet and one sink per 18 school-age children is required.

All other spaces may be adjusted but the overall building gross square footage, including exterior canopies, cannot exceed the 13,929 square footage. In calculating your gross square footage, exterior canopy or cover shall be divided by 2.

FINISH SCHEDULE LEGEND:

ACT	Acoustical Ceiling Tile
ATHL FL	Athletic Floor - Connor's 4 + 4 Elastic-plus flooring system or approved equal.
CONC	Concrete Floor
CT	Ceramic Tile
CPT	Carpet
EPGB	Epoxy Painted Gypsum Board
E STRU	Exposed Structure
PCMU	Painted Concrete Masonry Units
PGB	Painted Gypsum Board
QT	Quarry Tile
RB	Rubber Base
SV	Sheet Vinyl
VACT	Vinyl Faced drywall Panels on a Suspension System
VCT	Vinyl Composition Tile
WD	Wood flooring system appropriate for dance
EXTGB	Exterior Gyp Board

WING ADDITION 60-75 CAPACITY

INTERIOR FINISH SCHEDULE

ROOM NAME	ROOM AREA SF	FLOOR MATERIAL	BASE MATERIAL	WALLS MATERIAL	CEILING MATERIAL	CEILING HEIGHT FT
1. VESTIBULE	55	QT	QT	EPGB	ACT	8
2. CORRIDORS 1 & 2	248	VCT	RB	EPGB	ACT	8
3. WAITING AREA	49	CPT	RB	EPGB	ACT	16
4. MAIN ATRIUM	1,809	VCT	RB	EPGB	ACT	16
7. TEACHING/ DEMO KITCHEN	149	VCT	RB	EPGB	ACT	12
8. CENTRAL COUNTER RECEPTION	114	CPT	RB	PGB	ACT	8
9. STAFF TOILET/ FIRST AID	88	SV	RB	EPGB	ACT	8
10. DIRECTOR OFFICE	90	CPT	RB	PGB	ACT	8
14. STAFF & PUBLIC HC TOILET	78	CT	CT	CT/EPGB	ACT	8
18. MALE TOILET 1	209	CT	CT	CT/EPGB	ACT	8
20. FEMALE TOILET 1	209	CT	CT	CT/EPGB	ACT	8
22. JANITOR	42	QT	QT	EPGB	ACT	8
25. MULTI- PURPOSE RM.	2,251	ATHL FL	RB	PCMU	E STRU	VARIES
26. MULTI- PURPOSE RM. TOILETS (2 total)	136 (total)	CT	CT	CT/EPGB	ACT	8
28. STORAGE & ISSUE	483	CONC	RB	PGB	E STRU	VARIES
31. ACTIVITY ROOM	525	VCT	RB	EPGB	ACT	8
33. SECURE STORAGE ROOM	63	CPT	RB	EPGB	ACT	8
34. COMPUTER/ HOMEWORK LAB	696	CPT	RB	EPGB	ACT	8
35. COMM. ROOM	75	VCT	RB	PGB	ACT	8
36. ELECTRICAL ROOM	75	VCT	RB	PGB	E STRU	VARIES
37. MECHANICAL ROOM	678	CONC	RB	PGB	E STRU	VARIES
GROSS FACTOR	758					
TOTAL SQUARE FEET	8,880					

FINISH SCHEDULE LEGEND:

ACT	Acoustical Ceiling Tile
ATHL FL	Athletic Floor - Connor's 4 + 4 Elastic-plus flooring system or approved equal.
CONC	Concrete Floor
CT	Ceramic Tile
CPT	Carpet
EPGB	Epoxy Painted Gypsum Board
E STRU	Exposed Structure
PCMU	Painted Concrete Masonry Units
PGB	Painted Gypsum Board
QT	Quarry Tile
RB	Rubber Base
SV	Sheet Vinyl
VACT	Vinyl Faced Drywall Panels on a Suspension System.
VCT	Vinyl Composition Tile
WD	Wood flooring system appropriate for dance

SAMPLE

GENERAL REQUIREMENTS

FINISH SCHEDULE: The attached finish schedule

OUTDOOR ACTIVITY AREA:

- A. General Requirements:** Playground design must be reviewed by installation CYS staff and approved by the 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 FMWRC and the originals shall be maintained by the Installation CYS staff.
- B. Technical requirements:** 6-10 CDC Outdoor Activity Area shall include the following: (See Site Plan for Location and Adjacencies)
- a. A hard stand surface area (50 feet by 50 feet) adjacent to the multipurpose room.
 - b. Age appropriate composite play structure sized for 15-30 children with poured-in-place surfacing in use zone.
 - c. 2 bays of 2 swings each slat swings with 8 feet high cross bar. The use zone is engineered wood fiber with kick out mat.
 - d. Open field area sized for youth soccer. The field shall be 70 yards long by 50 yards wide. In addition, 10 yards of out of bounds area shall be added on all sides.
 - e. Quiet Imagination area that includes boulders and natural landscaping.
 - f. Ensure all ties and bolt threads on the fencing and gates are positioned so that any sharp points are directed to the outside of the playground. If this cannot be accomplished (gate or fencing between two playgrounds), sharp points and bolts will be filed down and/or capped.

EMERGENCY ACCESS ROADS: emergency vehicle access roads shall meet the requirements of NFPA 1 and UFC 3-600-01.

DOOR ALARM: Exit notification system with keyed manual override is required on all doors that do not open into a fenced area from normally child occupied spaces and corridors, except for the main entrance and kitchen.

BUILDING ENVELOPE: The building may be rotated or mirrored to the site.

INTERCOM: Provide intercom in all spaces occupied by staff and or children except in toilets, storage rooms, mechanical, electrical, and communication rooms.

DOORS: All exterior doors and interior corridor doors shall be provided with self-closures and vision panels. All doors except adult bathrooms will have vision panels – see the room by room description to verify the size of the vision panels, (½ size or narrow style glass).

PANIC HARDWARE: All exterior exit doors shall have flush type panic hardware. All exit door hardware shall be located 44 inches above the finished floor and shall have a clear opening of 34 inches clear width.

ACOUSTICAL CEILING: Ceiling Attenuation Class (CAC) of 38 or higher is required.

In addition to the finish schedule, see the building section sheet, in the attachments section, for mandatory ceiling heights and clearstory locations.

CHILDREN'S LOCKERS: Lockers shall be 12" W x 15" D x 30" H with 4" base, double stacked except where provided at vision panels. Locations where lockers are only single tiered; they shall be covered by a solid surface countertop cap, rigidly attached to the lockers. Combination lockers are not acceptable.

INTERIOR VIEW WINDOWS: Safety glass must be provided with a manufacturer's label indicating that the glass is safety glass or tempered glass.

STORAGE: All storage room interiors shall be marked with a 1-inch wide red line located 18 inches below the lowest point of the fire sprinkler head.

FIRE PROTECTION: Requirements based on the National Fire Protection Association (NFPA) 101, Life Safety Code for Assembly and Educational Occupancy, where applicable. Fully sprinkled in accordance with NFPA 13 and the Unified Facilities Criteria (UFC) 3-600-01. Fire separations in accordance with UFC 4-740-06, where applicable. Fire alarm system and smoke detection systems shall be provided throughout the facility in accordance with NFPA 72. Smoke detection system is not required by code, but is required by the Army. A detection system is required in all closets larger than 20 square feet.

MASS NOTIFICATION: Mass Notification system will be required and shall follow of guidance of UFC 4 -021-01.

INTERIOR WALLS: Corner guards shall be installed on all outside corners of all interior walls. Unless noted otherwise, interior walls between rooms shall be provided with acoustical batt insulation to match the stud wall thickness and on top of the acoustical ceiling system in addition to the required ceiling insulation to achieve the required R value. All interior walls shall contain 5/8" drywall and all electrical outlets shall be staggered for wall 6" wide or wider. The acoustical ceiling shall have a min. STC rating of 40.

MILLWORK: Radius corners shall be provided on all millwork up to 48 inches from the finish floor. The intent is to eliminate all sharp corners that will cause injury to children.

FURNITURE: FMWRC will provide and install all the furniture and equipment (FF&E) not included in the building contract. Contact FMWRC for the complete list of all FF&E they provide. Furniture that is part of the building construction contract and not provided by FMWRC is all kitchen equipment, all built-in millwork such as the reception desk, all child and adult lockers to include solid plastic tops, and all exterior playground equipment and surfaces. Commercial Grade washer and dryers will be centrally purchased as part of the FF&E.

PLUMBING: Min. of 1 hose bib on each side of the building exterior to include the playground and kitchen areas. 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. The pots and pan sink and the dishwasher require 180 degrees F water. Automatic flushing water closets and sink faucets are not allowed in

any of the children toilets. If sensor fixtures are used in adult toilets, the sensors must be hardwired.

SHOWER & CHANGE ROOMS: Absolutely no shower or changing room shall be installed in this facility due to child abuse concerns.

SITE AND PARKING REQUIREMENTS: 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 should be provided immediately in front of or besides parked vehicles and must be of sufficient width to accommodate the overhang of vehicles and still provide ADA required cleared widths. 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 on-coming traffic. If the parking lot design requires crosswalks, these shall be painted and identifiable with signage in appropriate locations to ensure the safety of the patrons and shall follow the guidance outlined in the Installation guidelines. All sidewalks must be ADA compliant. See the attached schematic layout for guidance. General site planning should follow NFPA 1 and UFC 3-600-01.

VIDEO MONITORING (CCTV) REQUIREMENTS: The building construction contractor shall provide the conduit, cabling (wiring), boxes and power to the camera locations indicated on the FRP Drawings. FMWRC-CYSS coordinates the installation of the CYSS VSS to include installing cameras, head-end unit and other equipment for the operation of the video security system. The Navy (SPAWAR) contracts to have the system installed just after the building is turned over. Installation typically takes around 4 weeks but is usually done during non-use hours (at night).

KITCHEN PASS-THRU WINDOWS: Provide two 3' wide single (vertical sash style) aluminum, exterior type pass through windows for the openings between the kitchen and demo kitchen. No track on the bottom/counter. These windows are provided to restrict the passage of smoke. No roll up, side sliding or hinged windows will be allowed.

KITCHEN EQUIPMENT: Shall be commercial equipment NSF approved. Kitchen equipment will comply with all NFPA requirements to include NFPA 96, equipment will be contractor furnished and contractor installed (CFCI).

EXTERIOR WINDOWS: Where exterior windows are provided the following requirements shall be met. Shall comply with ATFP requirements and insulated. Salient characteristics include easy to clean, insulated and able to withstand continuous use. Individual windows shall be double hung, windows, and shall open from the top only and the bottom sash shall be permanently fixed in a closed position. Full screens shall be attached with interior metal clips to preclude children from removing the clips. A minimum of 2 exterior windows shall be provided in each activity room or classroom with a solid plastic window sill mounted 24 inches from the finish floor.

SPECIAL ELECTRICAL REQUIREMENTS: Provide a buzzer at inner set of doors that sounds at reception desk. Provide intercom connection with reception desk and provide power for door locking mechanism at inner doors.

SITE /BUILDING EXTERIOR:

- a. All side walks and exit pathways shall be ADA compliant. The side walk around the perimeter of the building shall be 6 feet wide.
- b. Hose bibs shall be provided on each side of the building.
- c. Electrical outlets shall be provided on each side of the building.
- d. Fire alarm audio and visual devices shall be provided on each side of the building.
- e. Fencing around outdoor activity spaces shall be a minimum of 4 foot high vinyl coated chain linked fence. Fence bolts shall be installed so threads face to the exterior of the fence. Any wire ties shall also face down and to the outside of the fence.

SPECIAL KITCHEN REQUIREMENTS: The kitchen design shown on sheet A-105 ,in the standard drawing package, is only a general concept and that the final kitchen design shall be determined by a Certified kitchen Designer with the approval of FMWRC (Mr. Kevin Sheff)

FURNITURE REQUIREMENTS: SID Package is required.

1. SPACE: Vestibule #1

FUNCTIONAL DESCRIPTION: This space serves to minimize air transfer by use of exterior and interior doors. Entry must have direct visual contact with the reception desk for access control.

OCCUPANTS: Staff, children, parents and visitors

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, durable, and hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use and compliance with building codes. **Exterior and Interior Doors:** A minimum of 2 sets of double 3 foot by 7 foot doors at exterior wall and the interior wall. They shall be constructed from Aluminum with full tempered glass and have laminated glass to meet AFTP requirements at exterior.

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 unlocked from the interior.

4. Ensure the panic mechanism does not negate the use of the panic hardware during emergency evacuations. The fire department shall be provided with a key to the manual override system.

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.

SAMPLE

1a. SPACE: Vestibule #2

FUNCTIONAL DESCRIPTION: This space serves to minimize air transfer by use of exterior and interior doors.

OCCUPANTS: *Staff and Children*

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, durable, and hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use and compliance with building codes. **Exterior and Interior Doors:** A minimum of double 3 foot by 7 foot doors at exterior wall. They shall be constructed from hollow metal with tempered glass and have laminated glass to meet AFTP requirements.

SAMPLE

2. SPACE: Corridors 1 & 2 & 3 (Small Only)

FUNCTIONAL DESCRIPTION: Main circulation including emergency egress

OCCUPANTS: Staff, children, parents and visitors

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

PLUMBING: Provide water for single, ADA compliant electric water coolers where shown on plan. Corridor 2 install electric water cooler at child height 27" from finish floor where shown on floor plan.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use and compliance with building codes. Exterior door from corridor to the exterior shall be hollow metal with half glass, glass shall meet AFTP requirements.

SPECIAL FEATURES:

CORRIDOR 2: Install 30 lockable half height child lockers, 12" W x 15" D x 30" H with 4" base as shown on plans. Where single tier lockers are provided (in front of vision panels or in islands), provide a solid surfacing countertop cap rigidly attached to the lockers.

CORRIDOR 3: Install 106 lockable ½ height child lockers 12" W x 15" D x 30" H with 4 inch base where shown on the floor plan.

3. SPACE: Gathering Area (Medium and Large only Waiting Area for the small)

FUNCTIONAL DESCRIPTION: Comfortable or soft and “homey” location for a parent waiting to talk a member of the staff or the program director and can also be used as a gathering place for children. This space is located within the Main Atrium.

OCCUPANTS: Parents, staff, and children

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair with sound absorbing qualities and warm soft texture.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

ARCHITECTURAL FEATURES: An open space with radius corners and seating area flanked by 34” high knee walls and planter on top. The interior space will be furnished with soft item provided by FMWRC and the exterior of the space shall have clear, unbreakable, and lockable display case. See the Display Case drawing in the attachment portion of the RFP.

SAMPLE

4. SPACE: Main Atrium

FUNCTIONAL DESCRIPTION: The Main Atrium is a multi-functional recreational area that is surrounded on all sides by an 8' circulation space. This area is to be bright, open, with plenty of natural light that does not have an institutional, school-like feel. The circulation space is an extension of the activity area to provide for cabinets, displays, intimate seating areas, etc. Skylights will not be accepted to achieve the natural lighting requirement. Tinted or clear glass is the only acceptable glazing material for the clearstory windows. Window sills shall be angled to reduce dust collection.

OCCUPANTS: Children and Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE:

Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair. Activity areas and circulation spaces of Atriums are to be differentiated by floor patterns, borders, and/or colors. (See floor plan for the location of the patterns)

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling. Ceilings shall be at the 16 foot level above the Activity and Gathering areas with high continuous natural light wells above the circulation space on both sides of the Main Atrium. This space shall not be designed with a shed roof style due to the requirement to have natural lighting, clerestory lighting on both sides of the Main Atrium and it is mandatory the ceiling system shall be designed completely closed from ceiling located building equipment due to the food activity in this area. The ceiling height along the Multipurpose Room is lowered to 12 foot to facilitate the mechanical chase. (See building Cross Sections in the Attachment Portion of the RFP)

CLERESTORY WINDOWS: clerestory windows with security laminated glass shall provide natural light in this space. Natural lighting is mandatory for this space and skylights will not be an acceptable means to achieve the natural lighting requirement.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

SPECIAL LIGHTING: Natural Lighting and Zoned Artificial Lighting.

ELECTRICAL: Provide minimum of 6 flush mounted duplex floor outlets with covers evenly spaced throughout the activity space (at least 10 feet apart), 4 feet in from each side of the activity space (12 feet in from the walls).

5. SPACE: Secondary Atrium 1 (Near Demonstration kitchen)

FUNCTIONAL DESCRIPTION: The Secondary Atriums are/is a multi-functional leisure, educational and social area that is surrounded on 3 sides by an 8' circulation space. These areas are to be bright and open, that do not have an institutional, school-like feel. This atrium shall be adjacent to the Teaching/Demo Kitchen and which serve as an eating area for children.

OCCUPANTS: Children and Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair. Activity areas and circulation spaces of Atriums are to be differentiated by floor patterns and/or colors.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling. This ceiling is bi level – see the building section located in the Attachment portion of the RFP.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, the ability to withstand continuous use, and compliance to international and local building codes.

Interior Doors: Reference adjacent space requirements.

Exterior Doors: Provide one pair 3 foot by 7 foot Hollow metal doors with half light glass panels conforming to AFTP standards.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

ELECTRICAL: Provide minimum of 4 flush mounted duplex floor outlets with covers evenly spaced throughout the activity space (at least 20 feet apart), 4 feet in from each side of the activity space (12 feet in from the walls).

SPECIAL FEATURES: IN CORRIDOR 1: Install 105, 150 or 195 (depending on the facility size) lockable half height child lockers, 12" W x 15" D x 30" H with 4" base as shown on plans. Where single tier lockers are provided (in front of vision panels or in islands), provide a solid surfacing countertop cap rigidly attached to the lockers.

SPECIAL LIGHTING: Zoned Lighting

6. SPACE: Secondary Atrium 2 (Medium & Large Sizes)

FUNCTIONAL DESCRIPTION: The Secondary Atriums are a multi-functional leisure, educational and social area that is surrounded on all sides by an 8' circulation space. The forth side contains a locker area, see special features below and the floor plan in the attachment section of the RFP. These areas are to be bright and open, that do not have an institutional, school-like feel. One atrium must be adjacent to the Teaching/Demo Kitchen, which will also serve as an eating area for children. This atrium shall include areas for board games and child lockers.

OCCUPANTS: Children and Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair. Activity areas and circulation spaces of Atriums are to be differentiated by floor patterns and/or colors. Activity areas and circulation spaces of the Atrium are to be differentiated by floor patterns, borders, and color. (See Floor Plan)

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

Ceiling is to be bi-level, see building sections in the attachment portion of the RFP.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use and compliance with building codes.

Interior Doors: A minimum of 1 set of double 3 foot by 7 foot doors at exterior wall and the interior wall. They shall be constructed from Hollow metal with full tempered glass and have laminated glass to meet AFTP requirements at exterior.

Exterior Doors: Install one pair 3x7 foot hollow metal door and frame with half lite glass panel and conforming to AFTP Standards.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

ELECTRICAL: Provide minimum of 4 flush mounted duplex floor outlets with covers evenly spaced throughout the activity space (at least 20 feet apart), 4 feet in from each side of the activity space (12 feet in from the walls).

SPECIAL LIGHTING: Zoned Lighting

SPECIAL FEATURES: Provide 195 lockers in large size and 150 lockers in medium and 105 in the small size with lockable half height child lockers, 12" W x 15" D x 30" H with 4" base as shown on plans. Where single tier lockers are provided (in front of vision panels or in islands) and on second tier lockers, provide a solid surfacing countertop cap rigidly attached to the lockers. The second tier tops shall be sloped to discourage the accumulation of dust.

7. SPACE: Teaching/Demo Kitchen

FUNCTIONAL DESCRIPTION: Serves as an essential element of the facility. Food for snack/meal time will be appropriately arranged for self service. Primary feature is counter space where children learn, prepare, and sample foods as part of life skill building. Counter will have various levels for different ages to allow all children to participate. This area's relationship to the main kitchen is essential.

OCCUPANTS: Children and Program Assistant.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door, metal frame, and half vision lite between Teaching/Demo Kitchen and Kitchen. Metal frame to be painted and wood doors to be stained. Door shall have half vision-lite. Door shall have half vision-lite with locking mechanism that allows the door to be opened from the inside while locked..

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

CABINETRY: Salient features include ease of cleaning, hard/smooth, ease of maintenance, and easily repaired. Provide split level counter to encourage use by children of diverse ages. Cabinets will be child size with stainless steel sinks, small under-the-counter commercial refrigerator and electrical outlets for appliances such as mixer, toaster and microwave. Solid surface polymer countertops are required. Child counter heights shall be 27 inches and adult counter height is 36 inches.

PLUMBING: International Plumbing Code, ASHRAE Handbooks, Americans with Disabilities Act (ADA) Requirements will govern the minimum requirements for this space. Floor drain is required and it shall be self priming or designed to prevent sewer gases from entering the occupied space by a proven and maintenance free design. The drain shall be located near the two-compartment sink.

HVAC: ASHRAE Handbooks shall govern requirements for this space.

ELECTRICAL: Provide appropriate under the counter receptacles.

SPECIAL REQUIREMENT: Install two single aluminum or PVC pass-thru windows from the kitchen to the Demo Kitchen. These windows shall be lockable.

8. SPACE: Central Counter/Reception

FUNCTIONAL DESCRIPTION: Will serve as a main access control point. Must have visual contact with the entry as well as the waiting area. This area will view/observe the flow of children, parents, and visitors. A duress alarm shall be installed.

OCCUPANTS: Staff.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair with sound absorbing qualities and warm soft texture.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one small counter height swing gate that opens 180 degrees with a plastic laminate finish.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

CABINETRY Salient characteristics include easy cleaning, maintain and repair. Cabinets shall be durable and be able to withstand impacts from carts, strollers, book bags, 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 solid surface material where the color of the material extends thru the entire thickness. 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 with cover shall be provided in the lower counter on the side where no upper counter is provided.

ELECTRICAL: A minimum of 3 quad outlets shall be provided in the small, 5 quads 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 and 3 voice 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 standard height.

9. SPACE: Staff Toilet/ First Aid

FUNCTIONAL DESCRIPTION: Toilet for staff and sick children. Space also functions as a first aid station to provide care for sick or injured children.

OCCUPANTS: Staff and sick children.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair and with smooth seamless finish resistant to materials conducive to bacterial growth.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained.

ACOUSTICAL: Materials shall be acoustically designed for privacy.

HVAC: Local exhaust vent above toilet.

PLUMBING: Install floor drain that is self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. The water closet rim shall be at 15 inches from finished floor and the lavatory shall be mounted with rim height at 34 inches from finish floor.

ELECTRICAL: Install a minimum of one GFI Outlet.

10. SPACE: Directors Office

FUNCTIONAL DESCRIPTION: Office for the Director

OCCUPANTS: One to two staff member(s), plus visitors.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair with sound absorbing qualities and warm soft texture.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (1) 3' by 4' windows with tempered glazing and metal, wood, or aluminum frames.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained.

ACOUSTICAL: Wall structure shall be designed to isolate this area from adjacent activity which may create high noise levels and to provide privacy for personal meetings with parents and staff.

ELECTRICAL: Data outlets and electrical outlets on each wall - install Intercom system.

11. SPACE: Training Room

FUNCTIONAL DESCRIPTION: To facilitate training/distance learning by direct care staff.

OCCUPANTS: Program Assistants and Trainer(s)

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained.

ACOUSTICAL: Wall structure shall be designed to isolate this area from adjacent activity which may create high noise levels.

CABINETRY: The contractor is not required to provide or install cabinets for computer work stations. A work station layout is shown on the plans only as a recommendation of how the space can be used.

CLOSET: Construct one closet as shown on the floor plan with solid core door as described above.

ELECTRICAL SPECIAL REQUIREMENTS: Minimum of 6 data outlets and 6 quad electrical outlets evenly spaced throughout the room; Intercom and cable TV.

12. SPACE: Staff Lounge

FUNCTIONAL DESCRIPTION: Staff break area with individual lockable storage area for staff to secure belongings within lounge. Lounge will be adjacent to Staff Training.

OCCUPANTS: Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained.

ACOUSTICAL: Wall structure shall be designed to isolate this area from adjacent activity which may create high noise levels.

CABINETS: Mandatory Requirements: 8 foot long base and upper wall cabinets with one stainless steel sink, space for refrigerator and solid surface polymer countertop.

CLOSET: Construct one closet as shown on the floor plan with solid core door as described above.

ELECTRICAL: Receptacles for refrigerator, coffeemaker, appliances and microwave; Intercom. Provide intercom, 2 data ports and hook-up for Cable TV.

PLUMBING: Provide water for ice maker for an 18 cubic foot refrigerator.

SPECIAL REQUIREMENTS: Install Z style lockable lockers rigidly attached to the wall. Lockers shall be 15"W x 15"D with the overall height to be 72". The lockers shall have a metal slopping top to minimize dust collection.

24 lockers for the large facility

20 lockers for the medium facility

16 lockers for the small facility

13. SPACE: Video Monitor Room

FUNCTIONAL AREA: CCTV video monitoring system to deter and reduce the risk of child abuse and protect staff from unwarranted allegations of abuse.

OCCUPANTS: Staff.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained.

HVAC: Supply cool, conditioned air to space for heat generating equipment.

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).

14. SPACE: Staff & Public HC Toilet

FUNCTIONAL DESCRIPTION: Toilet area for staff, visitors and parents. This room must be separate from those used by children. In addition this room shall comply with adult ADA requirements.

OCCUPANTS: Staff and visitors

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, smooth, non porous, durable, hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include must be easy to clean and maintain, and must 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 good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained.

HVAC: Local exhaust vent above toilet.

PLUMBING: A floor drain is required in this area that must be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design.

SPECIAL FEATURES: Room to be provided with wall mounted fold-down diaper changing shelf.

15. SPACE: Kitchen

FUNCTIONAL DESCRIPTION: Commercial grade facility designed for use by staff to meet the food service needs of school-age children in accordance with the United States Department of Agriculture and Preventive Medicine Regulations.

OCCUPANTS: Cook and Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, durable, and hard surface resistant to scrapes and stains and easy to clean. Recommend a 6" x 6" raised diamond pattern quarry tile with epoxy grout.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: (a) Walls and ceiling (including doors, windows, skylights, and similar closures) of all areas where food establishment operations are conducted (including walk-in refrigeration units, 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 material will not be used.
 - 1) On steel studs in food preparation, serving, storage, self-serving areas, where washing, and pot and pan washing areas, toilet 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 backer board 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 in(180 cm) 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. Minimum ceiling height is 8 feet.

KITCHEN PASS-THRU WINDOWS: Provide two 3' wide single (vertical sash style) aluminum, exterior type pass through windows for the openings between the kitchen and demo kitchen. No track on the bottom/counter. These windows are provided to restrict the passage of smoke. No roll up, side sliding or hinged windows.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained. Exterior door from the kitchen leading to the service entrance shall be equipped with an air curtain. No hold open device is required for any of the kitchen doors.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

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. **Mandatory Mechanical Requirements:** Utility connections for Commercial Kitchen Equipment in this space as per plan. Kitchen Equipment Exhaust Hood, Dedicated Make-up Air, and fire suppression system in accordance with NFPA 96 and ACGIH-2092D

PLUMBING: International Plumbing & Fuel Gas Codes, National Fire Protection Association (NFPA) Codes, ACGIH-2092D Industrial Ventilation will govern the minimum requirements for this space. Hot and cold water must 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 must be provided for a commercial icemaker. A minimum of 4 Floor drains, to include floor sinks, must be provided. The requirements for the grease traps will be determined by the DPW and located near the kitchen as required by local building codes. Grease traps will not be located in this facility without the written approval of the MEDCEN/MEDDAC Commander.

ELECTRICAL: In addition to electrical requirements for kitchen equipment, electrical outlet and 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. Install fluorescent lighting fixtures that will allow an accurate assessment of food coloration.

SPECIAL REQUIREMENTS: A dry storage area with shelving for food to be incorporated within the kitchen area. An appropriate transition from the kitchen (such as bull-nose) shall be installed. Kitchen equipment shall be commercial equipment, NSF approved. This will require compliance with all NFPA documents, to include 96.

BASE CABINETS: See the kitchen plan for the location of stainless steel equipment and counter tops.

16. SPACE: Dry Food Storage

FUNCTIONAL DESCRIPTION: Storage for dry food goods.

OCCUPANTS: Cook and Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, durable, and hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, impervious to moisture, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with half vision-lite and metal frame with lockable hardware. Lockable hardware is a mandatory item for this door and door shall be fitted with locking mechanism that allows the door to be opened from the inside while the door is locked.

SAMPLE

17. SPACE: Walk in Cooler

FUNCTIONAL DESCRIPTION: Cold storage for food goods. The cooler may be built in or free standing.**OCCUPANTS:** Cook and Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, durable, and hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: As recommended by the manufacturer.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, impervious to moisture, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: As recommended by the manufacturer.

SAMPLE

18. SPACE: Male Toilet 1

FUNCTIONAL DESCRIPTION: Toilet area for children. Signage to say “Boys”.

OCCUPANTS: School age boys.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, smooth, non porous, durable, hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include must be easy to clean and maintain, and must 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 good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: No doors in this area. Provide airport style entry to block visibility into room but allow staff to monitor by listening.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

HVAC: Local exhaust vent above water closets.

TOILET PARTITIONS: Floor mounted, overhead braced or ceiling hung, solid plastic partitions/urinal screens shall be installed.

PLUMBING: Floor-mounted toilets to be mounted with rim at 14”-15”, to include the ADA toilet for this age group. Lavatories to be wall-mounted. One lavatory to be mounted at ADA height for this age group. Remaining lavatories to be mounted at 27” above finished floor. A floor drain is required in this area that must be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. Two child height urinals are required in the toilet room with one urinal with the rims mounted at 11 inches from the finished floor. 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. Install unbreakable mirrors above all lavatories.

19. SPACE: Male Toilet 2 (Medium & Large facilities)

FUNCTIONAL DESCRIPTION: Toilet area for children. Signage to say "Boys".

OCCUPANTS: School age boys.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, smooth, non porous, durable, hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include must be easy to clean and maintain, and must 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 good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: No doors in this area. Provide airport style entry to block visibility into room but allow staff to monitor by listening.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

HVAC: Local exhaust vent above water closets.

TOILET PARTITIONS: Floor mounted, overhead braced or ceiling hung, solid plastic partitions/urinal screens shall be installed.

PLUMBING: Floor-mounted toilets to be mounted with rim at 14"-15", to include the ADA toilet for this age group. Lavatories to be wall-mounted. One lavatory to be mounted at ADA height for this age group. Remaining lavatories to be mounted at 27" above finished floor. A floor drain is required in this area that must be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. One child height urinals are required in the toilet room with one urinal with the rims mounted at 11 inches from the finished floor. 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. Install unbreakable mirrors above all lavatories.

20. SPACE: Female Toilet 1

FUNCTIONAL DESCRIPTION: Toilet area for children. Signage to say “Girls”.

OCCUPANTS: School age girls.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, smooth, non porous, durable, hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include must be easy to clean and maintain, and must 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 good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: No doors in this area. Provide airport style entry to block visibility into room but allow staff to monitor by listening.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

HVAC: Local exhaust vent above toilet.

PLUMBING: Floor-mounted toilets to be mounted with rim at 14”-15”, to include the ADA toilet for this age group. Lavatories to be wall-mounted. One lavatory to be mounted at ADA height for this age group. Remaining lavatories to be mounted at 27” above finished floor. A floor drain is required in this area that must be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. 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. Install unbreakable mirrors above all lavatories.

21. SPACE: Female Toilet 2 (Medium & Large facilities)

FUNCTIONAL DESCRIPTION: Toilet area for children. Signage to say "Girls".

OCCUPANTS: School age girls.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, smooth, non porous, durable, hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include must be easy to clean and maintain, and must 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 good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: No doors in this area. Provide airport style entry to block visibility into room but allow staff to monitor by listening.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

HVAC: Local exhaust vent above toilet.

PLUMBING: Floor-mounted toilets to be mounted with rim at 14"-15", to include the ADA toilet for this age group. Lavatories to be wall-mounted. One lavatory to be mounted at ADA height for this age group. Remaining lavatories to be mounted at 27" above finished floor. A floor drain is required in this area that must be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. 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. Install unbreakable mirrors above all lavatories.

22. SPACE: Janitor Closet

FUNCTIONAL DESCRIPTION: Space to store janitor's equipment and cleaning supplies.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair. Room is not accessible to staff or patrons therefore an economical utilitarian finish is suitable.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: : Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with half vision-lite and metal frame. Door shall be fitted with locking mechanism that allows the door to be opened from the inside while the door is locked.

HVAC: Local exhaust vent required.

PLUMBING: A janitor floor sink with back flow prevention is required. Self Priming Floor drain is required in this area.

SPECIAL REQUIREMENTS: Adjustable shelves will be provided on at least one wall. A wall hung mop rack shall be installed.

23. SPACE: Supply Storage

FUNCTIONAL DESCRIPTION: General storage for office supplies or chairs and tables.

OCCUPANTS: Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Install one pair of 3 foot by 7 foot solid core wood door with half vision-lite and metal frame. The door shall be fitted with locking mechanism that allows the door to be opened from the inside while the door is locked.

ELECTRICAL: A minimum of one duplex outlet shall be installed in this room.

SAMPLE

24. SPACE: Laundry

FUNCTIONAL DESCRIPTION: Area for one residential grade washer and dryer. Vent to the exterior.

OCCUPANTS: Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, durable, and hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Interior walls separating this room from the remaining building shall have a one hour fire rating.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with half lite and locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained. Door and frame shall be 45 minute fire rated.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

PLUMBING: Floor Drain, Hot & Cold water connections for Laundry Tub and Residential Clothes Washer and Gas connection for Residential Clothes Dryer. Install waste water as required by building codes. Install a self priming floor drain.

SPECIAL REQUIREMENTS: Dryer vents shall be individually and directly vented to the outside.

FIRE RATING: All wall and ceiling systems shall be 1 hour rated.

CABINET: Base cabinet with sink and wall hung cabinet above. Salient features include ease of cleaning, maintenance and repair with hard and smooth surface. Cabinets will be high end/quality plywood (particle board is not acceptable). Countertops shall be solid surface polymer, 36" high. Install wall storage cabinets above the washer and dryer.

25. SPACE: Multi-Purpose Room

FUNCTIONAL DESCRIPTION: Will dual function as an area for skill building clinics, fitness activities and team events or as two activity rooms when needed. The Army Sport and Fitness Programming element will be emphasized. Space will be large enough to accommodate basketball, volleyball, sports clinics and non-competitive physical activities.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, minimal seams, easy to clean, maintain and repair. Floor must be suitable for serving food and beverages and acceptable for multiple activities, which include basketball, volley ball and roller skating. Install flush receptacles for insertion of volleyball stanchions with covers when not in use.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Structural wall of the surface with hard, durable and easily cleaned surface. Walls separating this room from the remaining building shall have a one hour rating and extend to the bottom of the roof deck.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Exposed Structure.

INTERIOR VIEW WINDOWS: Provide two 3' wide by 4' high windows with appropriate glazing and metal frames in wall between Atrium and Multi-purpose Room. These windows shall meet NFPA 80 requirements. (Wire glass shall not be allowed)

INTERIOR CLERESTORY WINDOWS: Install clearstory windows with security laminated glass to provide natural light in the Multi-Purpose Room. Natural lighting is mandatory for this space and no stand alone design of artificial lighting will be accepted. Install glass blocks or Kalwall for glazing, direct sunlight is not encouraged for this space.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use and compliance to building codes.

Interior Doors: A minimum of two pair of 3 foot wide by 7 foot tall wood doors with a maximum 100 square inch vision-lite, and metal frames. Install one pair of 4 foot wide by 7 foot tall doors directly to the Storage and Issue Room. All interior doors and frames located in the one hour fire rated wall shall be 45 minute fire rated.

Exterior Doors: Provide two pairs of 3 foot by 7 insulated hollow metal exterior doors, with self-closers, in metal frames

ACOUSTICAL: Provide acoustical treatment to baffle or absorb excessive sound generated within this area.

HVAC: Dedicated HVAC unit for this space.

SPECIAL LIGHTING: (HID) fixtures are not REQUIRED. Lighting selected shall be identified as suitable for the intended use and lighting design shall meet IESNA recommendations for Basketball Sports-Lighting, Class III (Class of Play). Fixtures with 80% direct and 20% indirect lighting are preferred. Protect luminaries with wire cages and/or provide appropriate shatterproof enclosed luminaries. Switching for lighting

control shall provide different lighting options to take into account natural lighting and different activities (such as volleyball, etc.) Lighting control shall be located in a controlled area to avoid accidental and unauthorized switching.” Install tamper proof light switches to prevent Multipurpose Room light from being turned off.

SPECIAL MULTI-PURPOSE ROOM REQUIREMENTS:

- (a)** Electrically operated drop divider curtain to divide the room in half. Top part of curtain to be an open weave to allow for ventilation, lighting, visibility, etc. The curtain shall be raised and lowered with an electric winch. The curtain shall be operated with a spring loaded momentary key switch which requires the person operating it to maintain a constant pressure on the switch until it is raised or lowered to its proper position. The switch shall be located to full view of the curtain to the operator.
- (b)** Provide a 5' high unbreakable mirror that covers approximately 50% the length of one half of the room, so when the hanging divider curtain is lowered, the mirror will be on one side but not the other.
- (c)** Unobstructed clear height of 20 foot, from the finish floor, shall be maintained for this room.

SAMPLE

26. SPACE: Multi-Purpose Room Toilets (1 Boy and 1 Girl)

FUNCTIONAL DESCRIPTION: Toilet area.

OCCUPANTS: One child or parent in each.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping, smooth, non porous, durable, hard surface resistant to scrapes and stains and easy to clean.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include must be easy to clean and maintain, and must 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 good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with locking mechanism that allows the door to be opened from the inside while locked. The metal frame shall be painted and wood doors to be stained.

HVAC: Local exhaust vent above toilet.

PLUMBING: Floor-mounted toilet to be mounted with rim at 14"-15"(child ADA height) Lavatory to be wall-mounted at 27" above the floor. A floor drain is required in this area that must be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design. 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. Install unbreakable mirrors above all lavatories.

SPECIAL FEATURES: Each room to be provided with a wall mounted fold-down diaper changing shelf.

27. SPACE: Multi-Purpose Room Storage

FUNCTIONAL DESCRIPTION: Storage room adjacent to the multi-purpose room used to store playground equipment.

OCCUPANTS: Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Exposed Structure

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. Provide one 3 foot by 7 foot solid core wood door with a half vision lite and locking mechanism that allows the door to be opened from the inside while locked.

The metal frame shall be painted and wood doors to be stained. For medium and large facility install one 3foot by 7 foot hollow metal door and frame with a half vision lite.

ELECTRICAL: A minimum of one duplex outlet shall be installed in the space.

SAMPLE

28. SPACE: Storage & Issue

FUNCTIONAL DESCRIPTION: Space for storage of program material.

OCCUPANTS: Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Exposed Structure

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. **Interior Door:** Install one pair of 4 foot wide by 8 foot high hollow metal doors with half vision-lite and hollow metal frame in wall between Multi-Purpose Room and Storage and Issue. This door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked.

Exterior Doors: Provide one 3 foot wide by 7 foot tall insulated hollow metal door with half glass panel in hollow metal frame leading from the cage area. Install one pair of 4 foot wide by 8 foot tall hollow metal doors and frame with half vision lite leading directly to the exterior.

SPECIAL FEATURE: Cage for equipment for outdoor activities (Min. 13' x 7'), made up of heavy duty galvanized chain link wire fabric system, which shall extend from the floor to approximately 10' high.

29. SPACE: Arts & Science Activity Room

FUNCTIONAL DESCRIPTION: A group area for arts, crafts, science and hobbies.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (2) 3' by 4' windows with tempered glazing and metal or aluminum frames.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked.

Exterior Door: One 3 foot by 7 foot insulated hollow metal exterior door with half glass and metal frame with a rating of heavy duty.

ACOUSTICAL: Wall structure shall be designed to isolate this area from adjacent activity which may create high noise levels.

PLUMBING: A 2-well stainless steel sink with goose neck faucet and plaster trap must be installed in the cabinet. Install a floor drain near the cabinets plaster trap and sinks. Install a floor drain near the work cabinets to collect water spills. A floor drain is required in this area that must be self priming, or designed to prevent sewer gases from entering the occupied space by a proven and maintenance-free design.

ELECTRICAL: Install 2 Data Ports. Provide wall mounted duplex outlets 4 feet on center mounted 18" AFF, with not less than one duplex outlet mounted on walls less than 5 feet long. Install two outlets above the base cabinet backsplash.

CABINET: 15' base cabinet with sink and wall hung cabinet above. Salient features include ease of cleaning, maintenance and repair with hard and smooth surface. Cabinets will be high end/quality plywood (particle board is not acceptable). Countertops shall be solid surface polymer, 30" high.

30. SPACE: Performing Arts Activity Room

FUNCTIONAL DESCRIPTION: A group training area in the performing arts. Activities will include performing arts, drama, and skill building.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include appropriate for dance and other aerobic activity. Proper cushioning for the floor system must be provided.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (2) 3' by 4' windows with tempered glazing and metal or aluminum frames.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked. **Exterior Door:** One 3 foot by 7 foot insulated hollow metal exterior door with half glass panel in metal frame with a rating of heavy duty.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

ELECTRICAL: Install cable TV and 2 Data Ports. Install wall mounted duplex outlets 4 feet on center mounted 18" AFF, with not less than one duplex outlet mounted on walls less than 5 feet long.

SPECIAL REQUIREMENTS: Provide for a 5' high unbreakable mirror to run 75-100% of the South Wall.

31. SPACE: Activity Room 1

FUNCTIONAL DESCRIPTION: A multiple use area for functions such as group meetings, clubs and skill building classes, etc.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (2) 3' by 4' windows with tempered glazing and metal or aluminum frames.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood door with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked. **Exterior Door:** One 3 foot by 7 foot insulated hollow metal exterior door with half glass panel in a metal frame with rating of heavy duty.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

ELECTRICAL: Install 2 Data Ports. Provide wall mounted duplex outlets 4 feet on center mounted 18" AFF, with not less than one duplex outlet mounted on walls less than 5 feet long.

32. SPACE: Homework Center (Medium & Large)

FUNCTIONAL DESCRIPTION: This area serves as an integral part of the Mentoring, Intervention and Education Support Service component of the Army. It will provide a flexible environment conducive to learning that does not replicate a rigid "Classroom" atmosphere. Area will be used for tutoring and mentoring services as well as a quiet area to read books and magazines.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (2) 3' by 4' windows with tempered glazing and metal or aluminum frames.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood door with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked.

Exterior Door: One 3 foot by 7 foot insulated hollow metal exterior door with half glass panel in a metal frame with rating of heavy duty.

ACOUSTICAL: Wall structure shall be designed to isolate this area from adjacent activity which may create high noise levels

ELECTRICAL: Install 6 Data Ports and electrical outlets at every 8 foot.

33. SPACE: Secure Storage Room

FUNCTIONAL DESCRIPTION: Room adjacent to Computer Homework Lab

OCCUPANTS: Program Assistants

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair with sound absorbing qualities and warm soft texture, to match Computer Lab.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, and low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. **Interior Door:** One 3 foot wide by 7 foot tall wood door with half vision-lite and metal frame. The interior door shall be lockable and fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked.

SPECIAL CONSIDERATIONS: The Secure Storage Room in the medium facility will be used to house communication equipment.

ELECTRICAL: One electrical outlet on the end wall.

34. SPACE: Computer Lab (Medium and Large)

FUNCTIONAL DESCRIPTION: This area serves an integral part of the mentoring, Intervention and Education Support Services and the Life Skills, Citizenship and Leadership components of the Army Core Service Areas. It will provide a flexible environment conducive to learning that does not replicate a rigid classroom atmosphere. The area will be used for homework, tutoring, mentoring, and web based learning activities as well as a quiet area to read books and magazines. Area will accommodate 15 computer stations.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair with sound absorbing qualities and warm soft texture. Flooring must be anti-static.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (5) 3' by 4' windows with tempered glazing and metal or aluminum frames. 2 view windows will face the atrium and 3 will face the Central Reception Counter.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood door with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked. **Exterior Door:** One 3 foot by 7 foot insulated hollow metal exterior door with half glass panel in a metal frame with rating of heavy duty.

ACOUSTICAL: Wall structure shall be designed to isolate this area from adjacent activity which may create high noise levels.

HVAC: Provide HVAC zoning flexible for this space due to heat generating equipment.

ELECTRICAL: Install receptacles every 4-5 feet apart, 20 Data Ports, 1 Voice Outlet, and one Telephone Outlet,

35. SPACE: Computer Homework Lab (Small only)

FUNCTIONAL DESCRIPTION: This area serves an integral part of the mentoring, Intervention and Education Support Services and the Life Skills, Citizenship and Leadership components of the Army Core Service Areas. It will provide a flexible environment conducive to learning that does not replicate a rigid classroom atmosphere. The area will be used for homework, tutoring, mentoring, and web based learning activities as well as a quiet area to read books and magazines. Area will accommodate 15 computer stations.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair with sound absorbing qualities and warm soft texture. Flooring must be anti-static.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (5) 3' by 4' windows with tempered glazing and metal or aluminum frames. 2 view windows will face the atrium and 3 will face the Central Reception Counter.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood door with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked. **Exterior Door:** One 3 foot by 7 foot insulated hollow metal exterior door with half glass panel in a metal frame with rating of heavy duty.

ACOUSTICAL: Wall structure shall be designed to isolate this area from adjacent activity which may create high noise levels.

HVAC: Provide HVAC zoning flexible for this space due to heat generating equipment.

ELECTRICAL: Install receptacles every 4-5 feet apart, 10 Data Ports, Telephone Outlet,

36. SPACE: Communication Room

FUNCTIONAL DESCRIPTION: Communication equipment.

OCCUPANTS: Maintenance personnel.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair. Room is not accessible to staff or patrons therefore an economical utilitarian finish is suitable.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. **Mandatory requirements:** Minimum 3 foot wide by 7 foot tall door with metal frame. Door shall be designed to swing out at 180 degrees.

HVAC: Supply cool, conditioned air to space for heat generating equipment.

ELECTRICAL: Wall telephone outlet.

SAMPLE

37. SPACE: Electrical Room

FUNCTIONAL DESCRIPTION: Area that will house all electrical and power equipment.

OCCUPANTS: Maintenance personnel

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair. Room is not accessible to staff or patrons therefore an economical utilitarian finish is suitable.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Drywall ceiling suspended on 7/8 inch hat channels.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. **Mandatory requirements:** Minimum 3 foot wide by 7 foot tall hollow metal door with metal frame. Door shall be designed to swing out at 180 degrees and contain a dead bolt lock.

HVAC: Ventilation and heat only in this space.

ELECTRICAL: Wall Telephone Outlet.

SAMPLE

38. SPACE: Mechanical Room

FUNCTIONAL DESCRIPTION: Area that will house all HVAC/plumbing equipment. This room should not be located near the children's play area.

OCCUPANTS: Maintenance personnel

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair. Room is not accessible to staff or patrons therefore an economical utilitarian finish is suitable.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. **Mandatory requirements:** Minimum (2) 3 foot wide by 7 foot tall hollow metal door with metal frame. Door shall be insulated.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Exposed Structure

SAMPLE

39. SPACE: Covered Entry

FUNCTIONAL DESCRIPTION: Area that provide shelter at entrance doors.

OCCUPANTS: Children, Staff and parents.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE:
Concrete Slab.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include durable materials, low maintenance, easy to repair, and moisture resistance.

ELECTRICAL: Exterior wall outlet and lights.

SAMPLE

40. SPACE: Electrical Room 2 (Large Facility)

FUNCTIONAL DESCRIPTION: Area that will house all electrical and power equipment.

OCCUPANTS: Maintenance personnel

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include resistance to slipping and ease of cleaning, maintenance and repair. Room is not accessible to staff or patrons therefore an economical utilitarian finish is suitable.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Exposed Structure

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair. **Mandatory requirements:** Minimum 3 foot wide by 7 foot tall hollow metal door with metal frame.

HVAC: Ventilation and heat only in this space.

ELECTRICAL: Wall Telephone Outlet.

SAMPLE

41. SPACE: Activity Room 2 (Large Facility)

FUNCTIONAL DESCRIPTION: A multiple use area for functions such as group meetings, clubs and skill building classes, etc.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood door with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked. **Exterior Door:** One 3 foot by 7 foot insulated hollow metal exterior door with half glass panel in a metal frame with rating of heavy duty.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

ELECTRICAL: Install 2 Data Ports. Provide wall mounted duplex outlets 8 feet on center mounted 18" AFF, with not less than one duplex outlet mounted on walls less than 5 feet long.

42. SPACE: Activity Room 3 (Large Facility)

FUNCTIONAL DESCRIPTION: A multiple use area for functions such as group meetings, clubs and skill building classes, etc.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (2) 3' by 4' windows with tempered glazing and metal or aluminum frames.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood door with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked. **Exterior Door:** One 3 foot by 7 foot insulated hollow metal exterior door with half glass panel in a metal frame with rating of heavy duty.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

ELECTRICAL: Install cable TV and 2 Data Ports. Provide wall mounted duplex outlets 8 feet on center mounted 18" AFF, with not less than one duplex outlet mounted on walls less than 5 feet long.

SPECIAL REQUIREMENTS: Install a 5' high unbreakable mirror on at least 75% of the South Wall.

43. SPACE: Activity Room 4 (Large Facility)

FUNCTIONAL DESCRIPTION: A multiple use area for functions such as group meetings, clubs and skill building classes, etc.

OCCUPANTS: School age children and Program Assistants.

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include slip resistance, abrasion resistance, easy to clean, maintain and repair.

MINIMUM WALL CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include ease of cleaning, maintenance and repair. Surface shall be water resistant for easy wiping.

MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include good sound absorbing characteristics, durable materials, low maintenance, easy to repair, and with easy access to mechanical system above ceiling.

INTERIOR VIEW WINDOWS: Salient characteristics include ease of cleaning, maintenance and repair. Provide a minimum of (2) 3' by 4' windows with tempered glazing and metal or aluminum frames.

DOORS/FRAME: Salient characteristics include ease of cleaning, maintenance and repair, ability to withstand continuous use, and compliance to building codes. **Interior Door:** One 3 foot wide by 7 foot tall wood door with half vision-lite and metal frame. If the interior door is lockable, the door shall be fitted with a locking mechanism that allows the door to be opened from the inside while the door is locked. **Exterior Door:** One 3 foot by 7 foot insulated hollow metal exterior door with half glass panel in a metal frame with rating of heavy duty.

ACOUSTICAL: Materials shall be designed to baffle or absorb excessive sound generated within this area.

ELECTRICAL: Install 2 Data Ports. Provide wall mounted duplex outlets 8 feet on center mounted 18" AFF, with not less than one duplex outlet mounted on walls less than 5 feet long.

44. SPACE: Covered Entry

FUNCTIONAL DESCRIPTION: Area that provide shelter at entrance doors.

OCCUPANTS: Staff

MINIMUM FLOOR AND BASE CONSTRUCTION/SURFACE PERFORMANCE:
Concrete Slab.

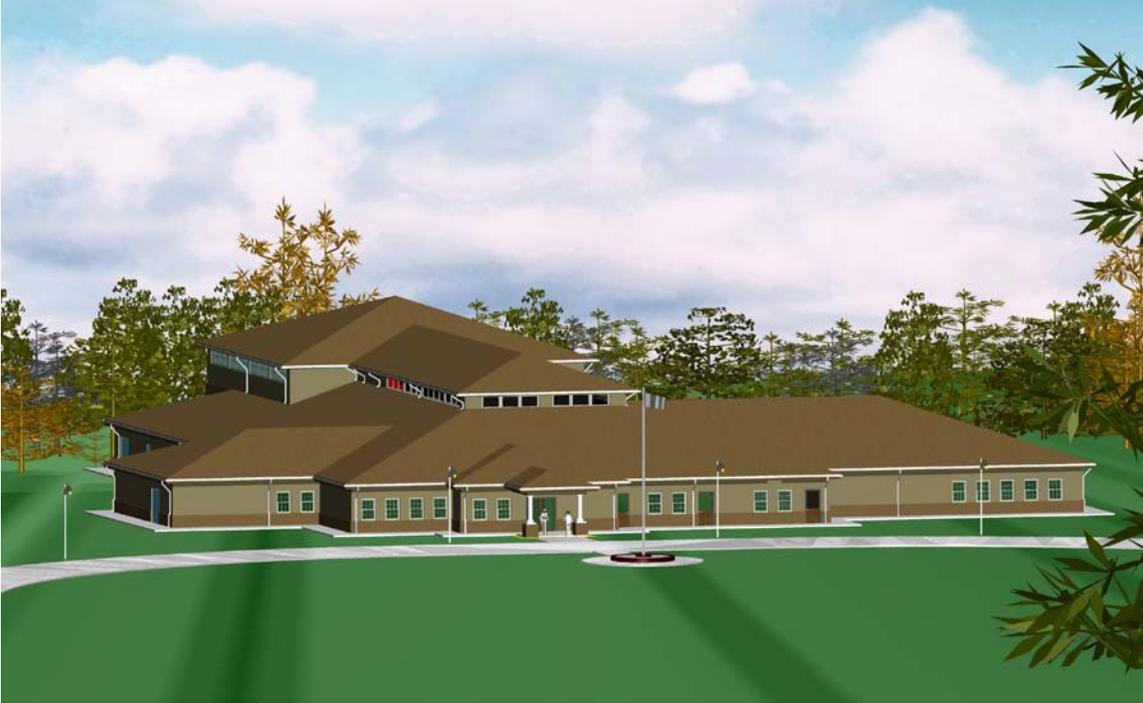
MINIMUM CEILING CONSTRUCTION/SURFACE PERFORMANCE: Salient characteristics include durable materials, low maintenance, easy to repair, and moisture resistance.

ELECTRICAL: Exterior wall outlet and lights.

SAMPLE

Site/Building Exterior

The following rendering of a CDC 6-10 Large is provided for information only. The intent of the rendering is only to provide a general 3D perspective of the building.



ATTACHMENT F

Not Used

SAMPLE

ATTACHMENT G

Not Used

SAMPLE

ATTACHMENT H

CDC for Children
6-10 Years Floor Plans

SAMPLE



US ARMY CORPS
OF ENGINEERS,
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE

CENTER OF STANDARDIZATION PROGRAM CHILD DEVELOPMENT CENTER (CDC), FOR CHILDREN 6-10 YEARS OLD - WING ADDITION

CAT CODE: 74016

PUBLISHED: NOVEMBER 2009
REVISED: NOVEMBER 2010

GENERAL CDC CRITERIA

FACILITY SIZE	GROSS AREA (FT2)	# OF CHILDREN	# OF STAFF	STAFF LOCKERS	MIN # OF PARKING SPOTS	PLAYGROUND
						TOTAL AREA (FT2)
WING ADDITION	8,880	60-75	12	0	28	47,606

NOTES:

1. SITE AREA ASSUMED TO BE IMMEDIATELY ADJACENT TO ROADS AND UTILITIES.

CDC STANDARD DESIGN PACKAGE

THE FOLLOWING IS A LIST OF THE COMPLETE CDC DESIGN PACKAGE. THE LATEST VERSION OF EACH OF THE LISTED ITEMS CAN BE DOWNLOADED FROM [HTTPS://PORTAL.USACE.ARMY.MIL/SITES/COS/CDCTI/DEFAULT.ASPX](https://portal.usace.army.mil/sites/cos/cdcti/default.asp)

THE INFO INCLUDED HEREIN IS ONLY ONE PORTION OF THE COMPLETE PACKAGE.

1. ARMY STANDARD
2. ROOM-BY-ROOM DESCRIPTIONS
3. STANDARD DRAWINGS (INCLUDED HEREIN)
4. INTERIOR DESIGN CRITERIA
5. PLAYGROUND DESIGN CRITERIA

DRAWING INDEX

DISCIPLINE	SHEET NO.	SHEET REF. NO.	SHEET TITLE
GENERAL	1	G-001	COVER
CIVIL	2	C-101	OVERALL SITE PLAN - WING ADDITION
ARCHITECTURAL	3	A-101	FLOOR PLAN - WING ADDITION
	4	A-106	KITCHEN PLAN / ELEVATIONS
SECURITY	5	X-001	GENERAL INFORMATION
	6	X-101	SECURITY & MONITORING PLAN - WING ADDITION



US Army Corps
of Engineers
Huntsville Center

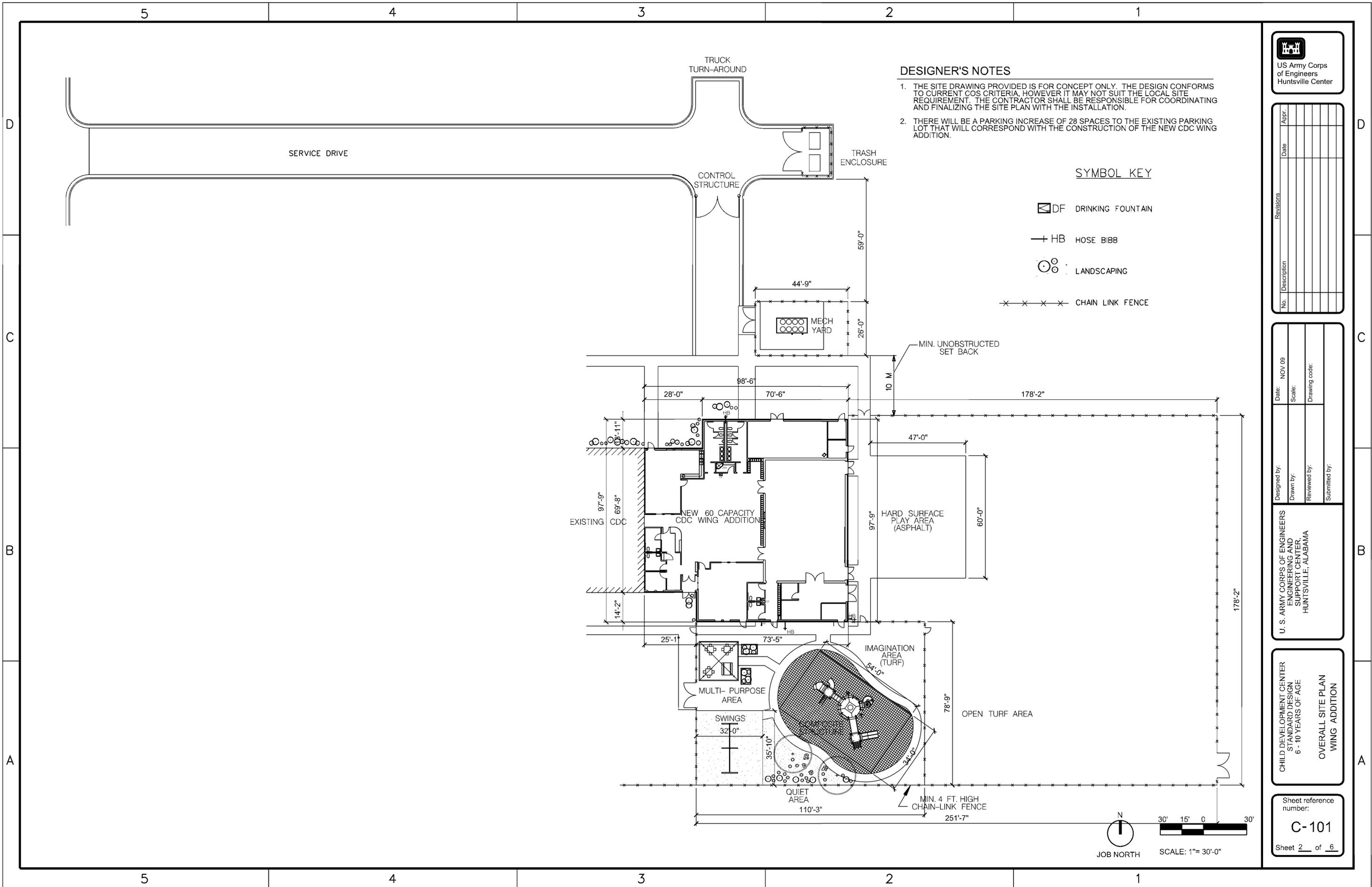
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Designed by:	Date:	NOV 09
Drawn by:	Scale:	
Reviewed by:	Drawing code:	
Submitted by:		

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE
COVER

Sheet reference number:
G-001
Sheet 1 of 6



DESIGNER'S NOTES

1. THE SITE DRAWING PROVIDED IS FOR CONCEPT ONLY. THE DESIGN CONFORMS TO CURRENT COS CRITERIA, HOWEVER IT MAY NOT SUIT THE LOCAL SITE REQUIREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND FINALIZING THE SITE PLAN WITH THE INSTALLATION.
2. THERE WILL BE A PARKING INCREASE OF 28 SPACES TO THE EXISTING PARKING LOT THAT WILL CORRESPOND WITH THE CONSTRUCTION OF THE NEW CDC WING ADDITION.

SYMBOL KEY

- ☒ DF DRINKING FOUNTAIN
- ⊕ HB HOSE BIBB
- ⊙ LANDSCAPING
- x—x—x—x— CHAIN LINK FENCE



No.	Description	Date	Appr.

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Reviewed by:	Drawing code:	
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HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE
OVERALL SITE PLAN
WING ADDITION

Sheet reference number:
C-101
Sheet 2 of 6





No.	Description	Date	Appr.

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Drawing code:	
Submitted by:	

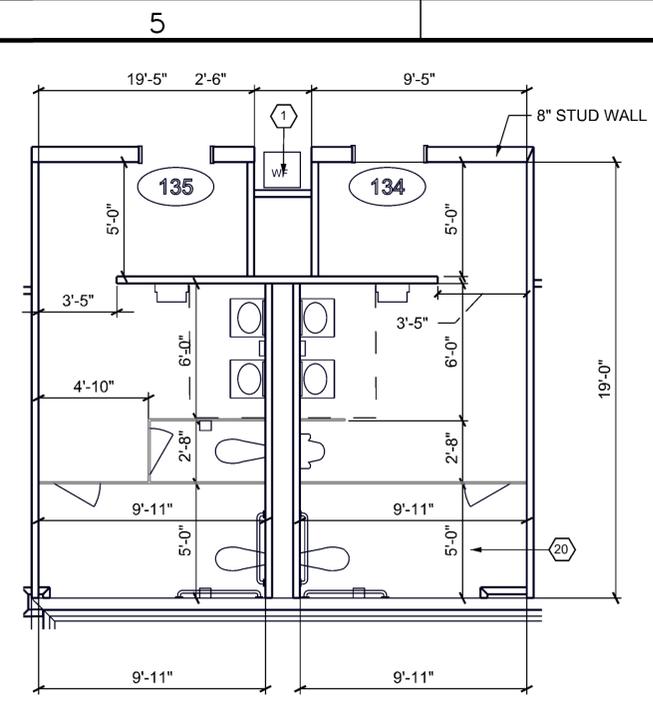
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Submitted by:	

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ENGINEERING AND
SUPPORT CENTER
HUNTSVILLE, ALABAMA

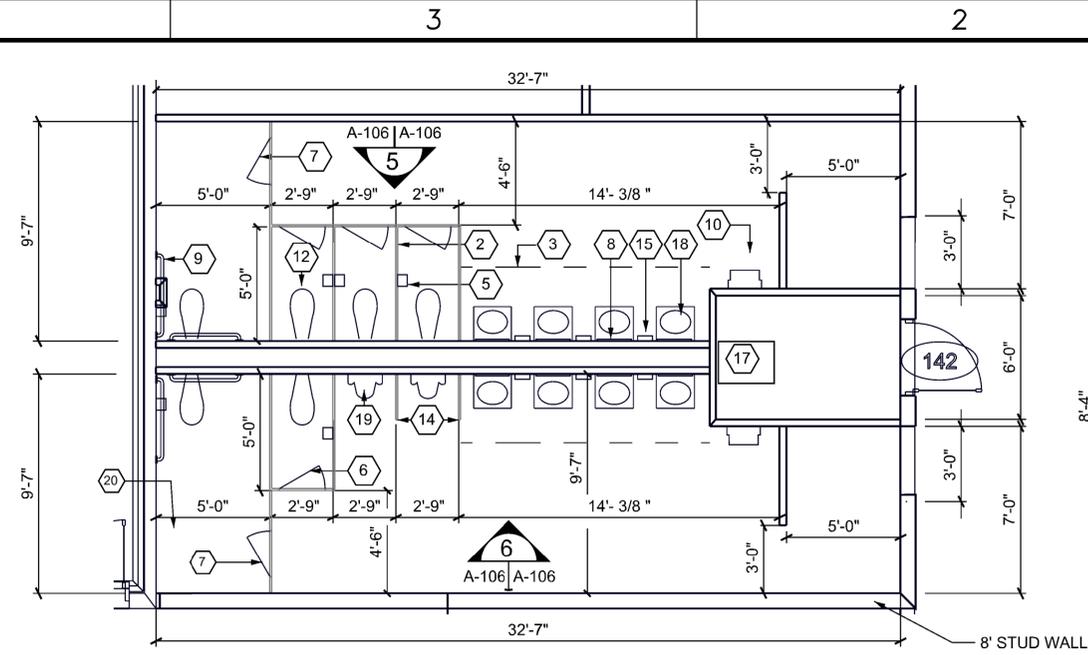
CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE

TOILET ELEVATIONS

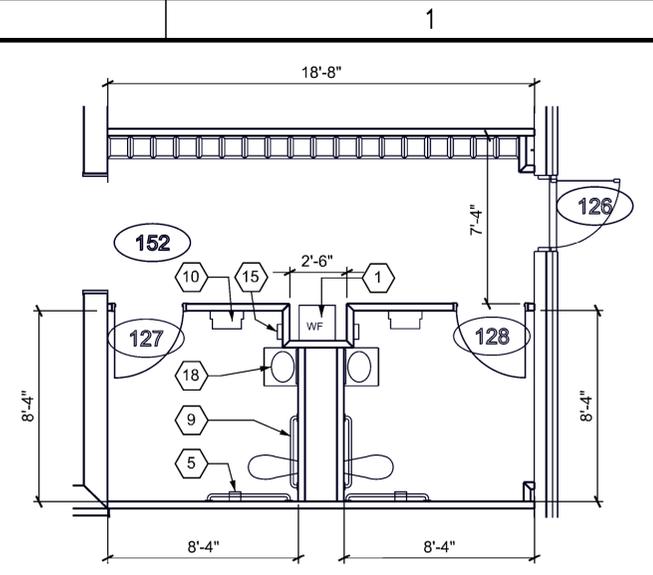
Sheet reference number:
A-106
Sheet 4 of 6



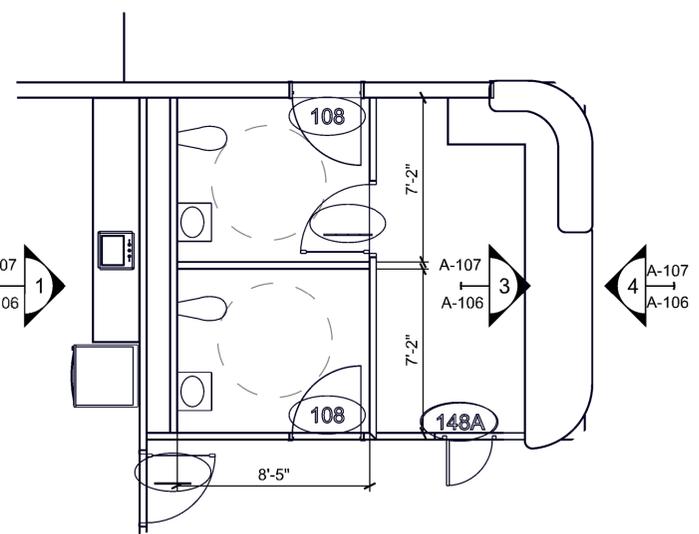
1 PLAN SCALE: 1/4" - 1'-0"
A-106 | A-106 ENLARGED FLOOR PLAN - MALE AND FEMALE TOILET



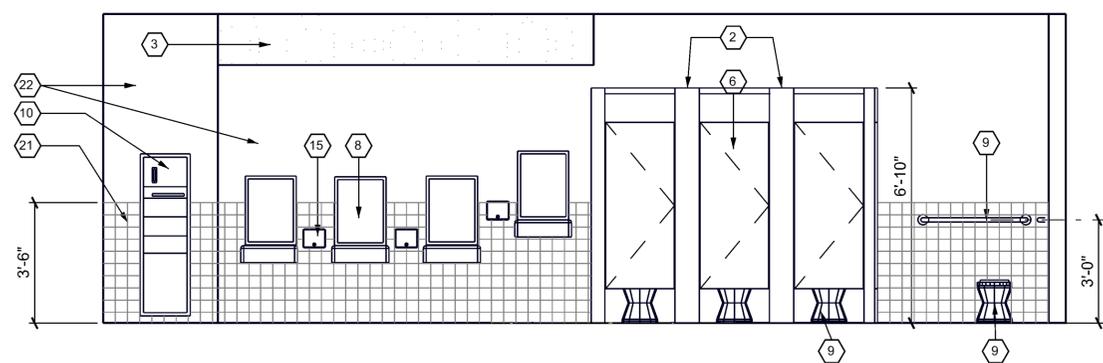
2 PLAN SCALE: 1/4" - 1'-0"
A-106 | A-106 ENLARGED FLOOR PLAN - MALE AND FEMALE TOILETS W/ JANITOR CLOSET



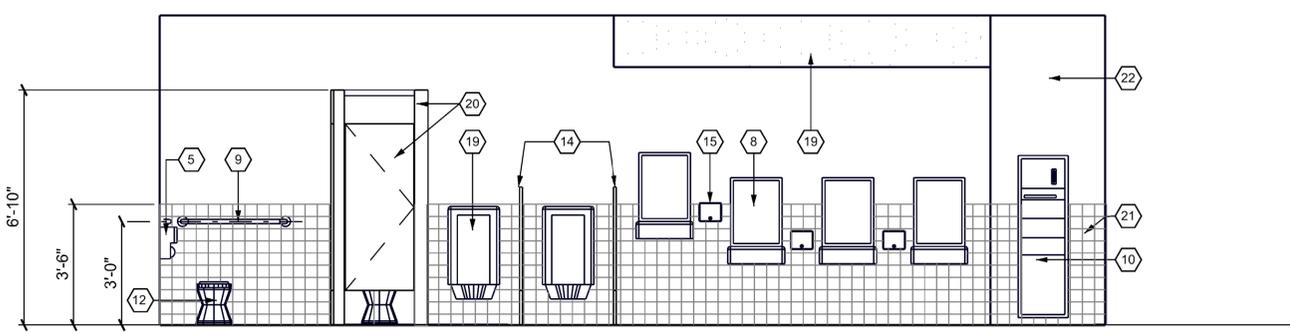
3 PLAN SCALE: 1/4" - 1'-0"
A-106 | A-106 ENLARGED FLOOR PLAN - MALE AND FEMALE TOILETS



4 PLAN SCALE: 1/4" - 1'-0"
A-107 | A-106 ENLARGED FLOOR PLAN - TOILET 107 AND 108 AND CENTRAL COUNTER / RECEPTION 148



5 ELEVATION SCALE: 3/8" - 1'-0"
A-106 | A-106 WOMEN TOILET ROOM



6 ELEVATION SCALE: 3/8" - 1'-0"
A-106 | A-106 MEN TOILET ROOM

KEY NOTES

- 1 DRINKING FOUNTAIN .
- 2 SOLID PLASTIC TOILET PARTITIONS
- 3 OVERHEAD CEILING FURRING ABOVE.
- 4 SLOPE OF FLOOR TO FLOOR DRAIN.
- 5 ROLL TISSUE HOLDER
- 6 STANDARD 24" PARTITION DOOR.
- 7 HANDICAPPED PARTITION DOOR WITH A MIN. CLEARANCE OF 32"
- 8 18" X 30" MIRROR
- 9 STAINLESS STEEL GRAB BAR
- 10 PAPER TOWELL DISPENSER
- 11 FLOOR DRAIN - SEE MECHANICAL
- 12 WATER CLOSET
- 13 18" X 30" MIRROR - MOUNT 40" AFF.
- 14 URINAL SCREEN
- 15 SOAP DISPENSER
- 16 12" MASONRY WALL
- 17 JANITOR SINK
- 18 LAVATORY
- 19 URINAL
- 20 5'-0" WHEELCHAIR RADIUS
- 21 CERAMIC TILE WALL FINISH
- 22 DRYWALL FINISH



US ARMY CORPS
OF ENGINEERS,
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE

CENTER OF STANDARDIZATION PROGRAM CHILD DEVELOPMENT CENTER (CDC), FOR CHILDREN 6-10 YEARS OLD - SMALL

CAT CODE: 74016

PUBLISHED: NOVEMBER 2009
REVISED: NOVEMBER 2010

GENERAL CDC CRITERIA

FACILITY SIZE	GROSS AREA (FT2)	# OF CHILDREN	# OF STAFF	STAFF LOCKERS	MIN # OF PARKING SPOTS	PLAYGROUND
						TOTAL AREA (FT2)
SMALL	13,929	105-135	17	16	33	47,606

NOTES:

1. SITE AREA ASSUMED TO BE IMMEDIATELY ADJACENT TO ROADS AND UTILITIES.

CDC STANDARD DESIGN PACKAGE

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2. ROOM-BY-ROOM DESCRIPTIONS
3. STANDARD DRAWINGS (INCLUDED HEREIN)
4. INTERIOR DESIGN CRITERIA
5. PLAYGROUND DESIGN CRITERIA

DRAWING INDEX

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ARCHITECTURAL	3	A-102	FLOOR PLAN - SMALL
	4	A-105A	KITCHEN PLAN
	5	A-106	TOILET ELEVATIONS
	6	A-107	INTERIOR ELEVATIONS
	7	A-109	BUILDING SECTIONS
SECURITY	8	X-001	GENERAL INFORMATION
	9	X-102	SECURITY & MONITORING PLAN - SMALL



US Army Corps
of Engineers
Huntsville Center

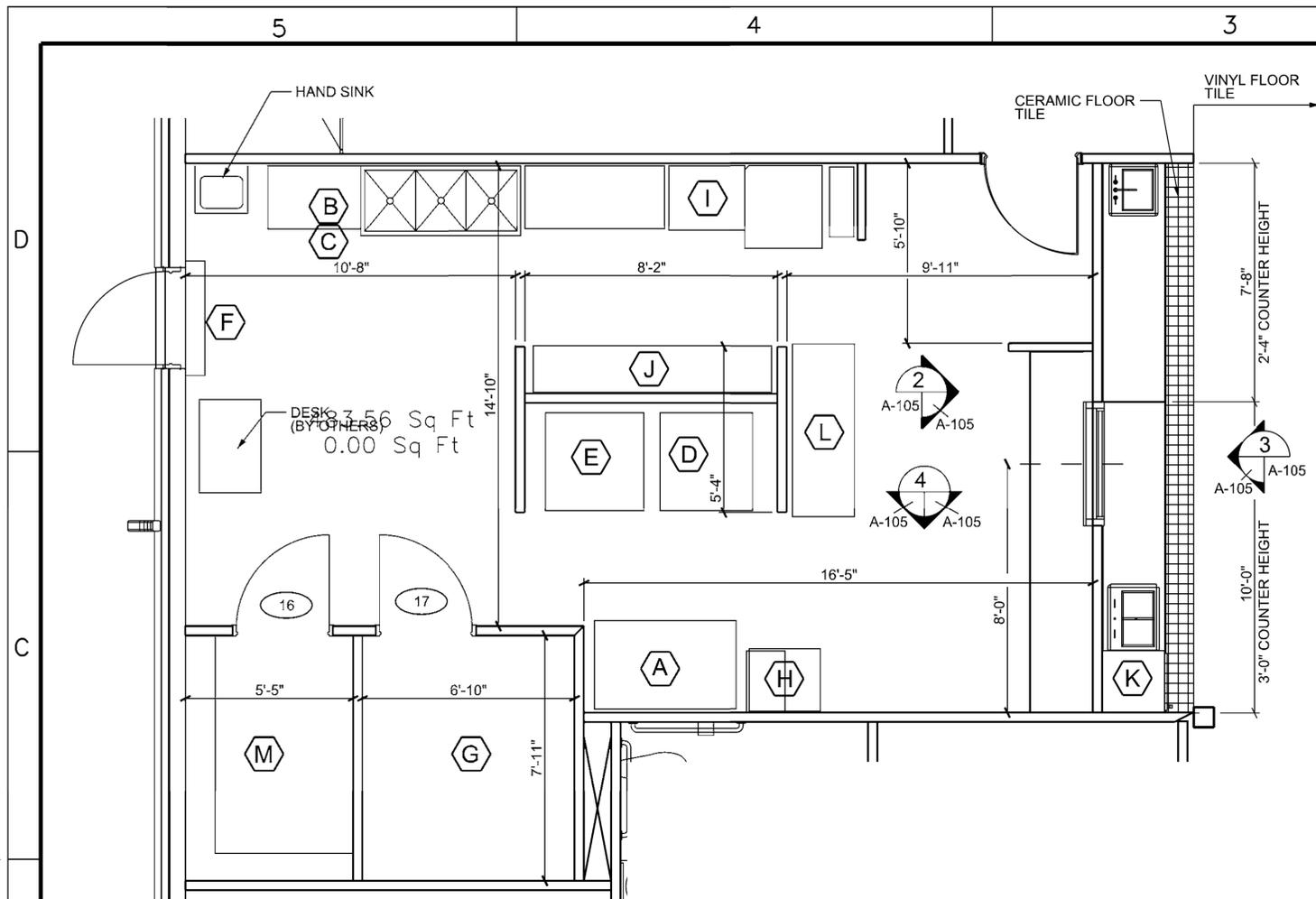
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Designed by:	Date: NOV 09
Drawn by:	Scale:
Reviewed by:	Drawing code:
Submitted by:	

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE
COVER

Sheet reference number:
G-001
Sheet 1 of 9

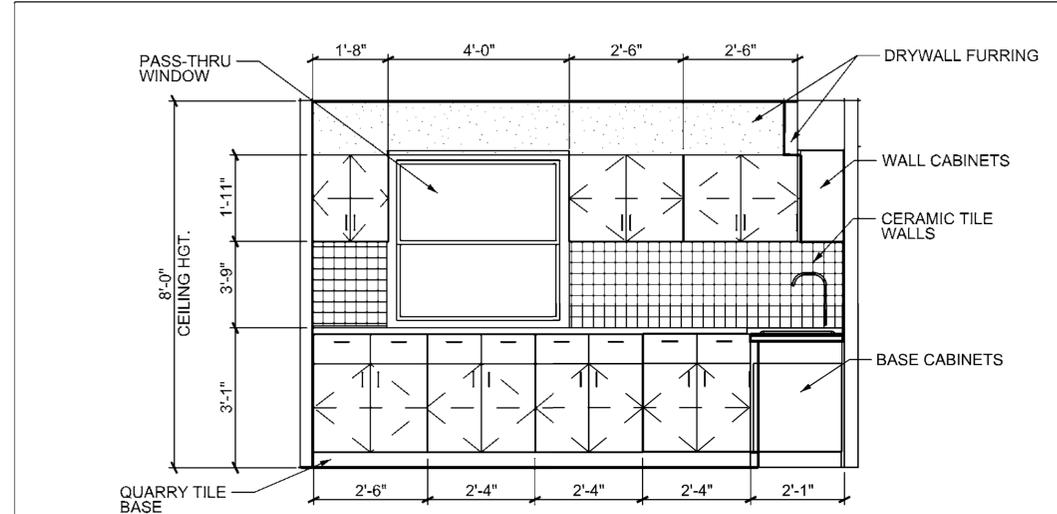


1 PLAN SCALE: 3/8" = 1'-0"
A-104 | A-105 ENLARGED KITCHEN FLOOR PLAN

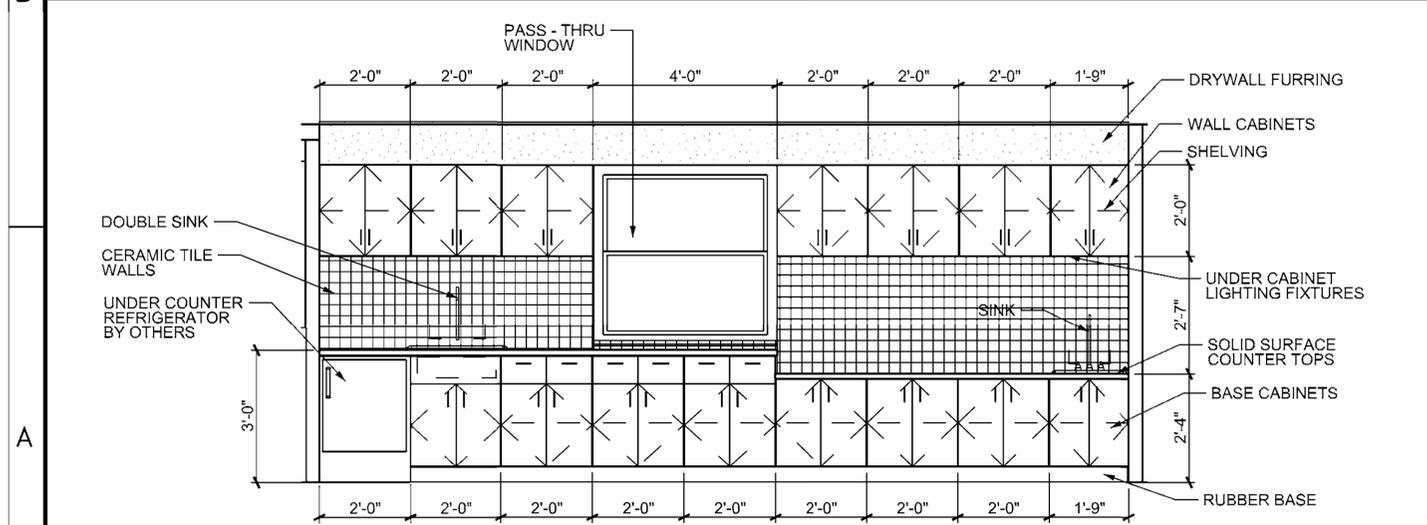


KITCHEN EQUIPMENT SCHEDULE

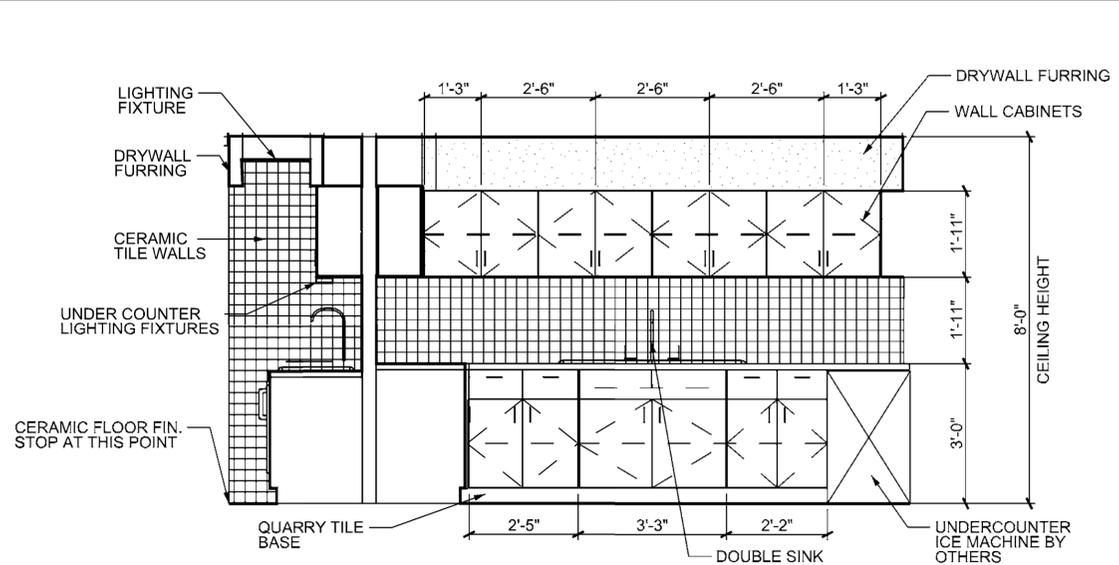
- A FROZEN FOOD CABINET MECHANICAL REFRIGERATED, COMMERCIAL SELF-CONTAINED (REACH-IN) FREEZER NSN:4110-00-370-5374 ELECTRIC: 115V, 1PH, 60HZ DIMENSIONS: 59"W X 38"D X 85"H
- B DISH TABLE, SOILED, STAINLESS STEEL (SS) STANDARD FEATURES: INTEGRAL SCRAPPING TROUGH 6"W X 3.5"D AT WATER INLET ENDS, 5"D AT DISPOSAL SINK END (APPROXIMATE DIM.) DISPOSAL SINK 16" X 20" X 7"D (APPROXIMATE). VACUUM BREAKER HOLES AND HOLES FOR PRE-RINSE ASSEMBLY PROVIDED THROUGH BACKSPASH.
- C SPRAY ASSEMBLY, PRE-RINSE, WALL MOUNTED GOOSENECK
- D OVEN, BAKING AND ROASTING, CONVECTION, ELECTRIC 208V 60HZ 3PH NSN: 7310-00-320-9829 DIMENSIONS: 40"W X 39"D X 65"H
- E RANGE, ELECTRIC, COMMERCIAL, HOT TOP ELECTRIC: 208V, 60HZ, 3 PH, 24KW NSN: 7310-01-034-0169 DIMENSIONS: 36"W X 38"D X 36"H
- F AIR CURTAIN, FLY CONTROL SIZED TO COVER COMPLETE WIDTH OF DOOR. THE AIR CURTAIN SHALL BE UNHEATED.
- G WALK-IN REFRIGERATOR DIMENSIONS: 6'-10" W X 7'-11" D X 7'-1 1/2" H STANDARD FEATURES: INDOOR COOLER WITHOUT FLOOR FINISH; STAINLESS STEEL ENTRANCE DOOR 36"W X 77"H WITH DOOR CLOSER, VAPOR LIGHT REFRIGERATOR +35°F HOLDING TEMPERATURE, TPR, OUTDOOR, FULL HERMETIC AIR COOLED WEATHER COVER, 0075 MED 3/4 HP, LOW AMP CONTROL VOLTAGE REMOTE CONDENSING UNIT LOCATION (SERVICE YARD)
- H ICE MACHINE (UNDER COUNTER) STANDARD FEATURES: HALF CUBE, AIR COOLED, 1/2 HP; FINISH: STAINLESS STEEL
- I DISHWASHER, DOOR TYPE, STAINLESS STEEL WITH BOOSTER HEATER AND STAINLESS STEEL COUNTERTOPS SIZED TO FIT, DIMENSIONS: 67 1/2" H X 29 1/2" D X 41"W
- J OVERHEAD RACK SHELF, FLAT, STAINLESS STEEL (4EACH) DIMENSIONS: 96"L X 18"W
- K UNDER COUNTER REFRIGERATOR, DIM.: 23"W X 23 1/2" D X 33 1/2" H
- L PREP TABLE, STAINLESS STEEL DIMENSIONS: 66"W X 24"D X 36"H STANDARD FEATURES: FOUR 5" DIAMETER NON-MARKING BALL-BEARING STEM-TYPE CASTERS, TWO CASTERS WITH LOCKING BRAKES, 20" X 20" X 5"D STAINLESS STEEL DRAWER WITH REMOVABLE INSET.
- M SHELVING, DRY STORAGE



2 INTERIOR ELEVATION SCALE: 1/2" = 1'-0"
A-105 | A-105 INTERIOR ELEVATION KITCHEN



3 ELEVATION SCALE: 1/2" = 1'-0"
A-104 | A-105 INTERIOR ELEVATION DEMO KITCHEN



4 ELEVATION SCALE: 1/2" = 1'-0"
A-105 | A-105 INTERIOR ELEVATIONS / KITCHEN / DEMO KITCHEN



No.	Description	Date	Appr.

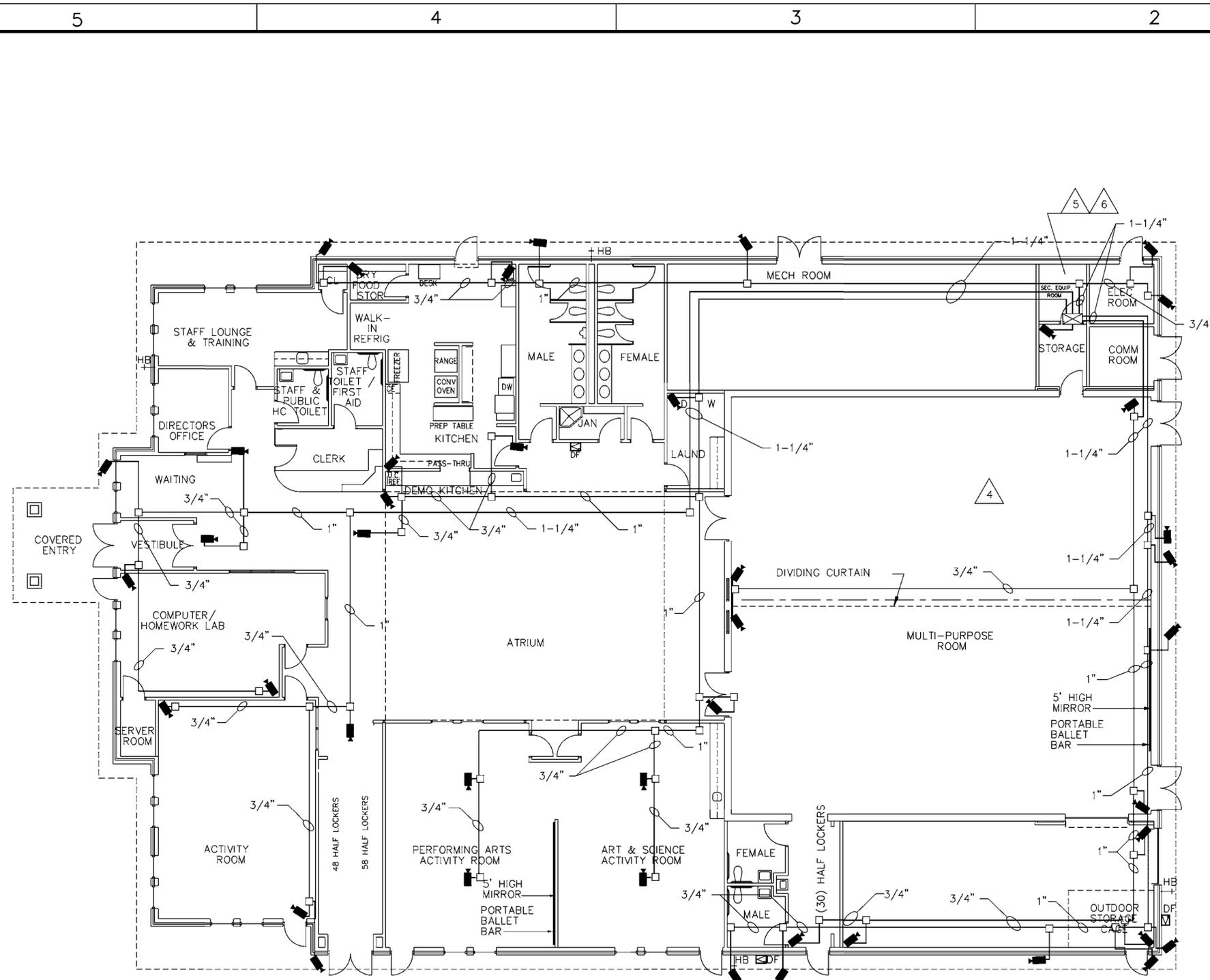
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Checked by: DV	Drawing code:
Submitted by:	Date:
Project Engineer/Architect	

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS/035/ABER/SMALL
KITCHEN
ENLARGED FLOOR PLAN
INTERIOR ELEVATIONS

Sheet reference number:
A-105A
Sheet 4 of 9

60261 DESIGNED BY ANTSU ABMITTAL



- NOTES:
1. ALL INTERIOR CAMERA LENS ARE 2-4MM UNLESS OTHERWISE NOTED.
 2. ALL EXTERIOR CAMERAS MOUNTED ON THE LOWER ROOF SHALL HAVE A LENS SIZE OF 2-4MM UNLESS OTHERWISE NOTED.
 3. ALL EXTERIOR CAMERAS MOUNTED ON THE UPPER ROOF SHALL HAVE A LENS SIZE OF 4-9MM UNLESS OTHERWISE NOTED.
 4. EXTERIOR CAMERAS ARE TO BE INSTALLED IN ALL MULTIPURPOSE ROOMS (GYMNASIUMS). LENS SIZE OF 2-4MM UNLESS OTHERWISE NOTED.
 5. CCTV POWER SUPPLIES PROVIDE 4'x 8' SHEET 5/8" PLYWOOD WITH (2) 4"x 4" HANDY BOXES ON (2) 20 AMP CIRCUITS.
 6. CCTV SYSTEM CABINET (47"W x 28"D x 84"H) SUPPLY (1) RECEPTACLE ON (1) 30 AMP CIRCUIT. SUPPLY (1) LAN JACK & (1) TELCO JACK

CCTV SYSTEM NOTES
 CCTV SYSTEM TO BE PROVIDED BY CYS.
 CONTRACTOR TO PROVIDE:
 CONDUIT, POWER, LAN JACKS AND PLYWOOD. EACH CONDUIT TO BE SIZED TO SUPPORT (1) RG-59U COAX AND (1) 18/2 NTP PER CAMERA LOCATION.
 IN AREAS WITH DROP CEILING: PROVIDE 4 x 4 JUNCTION BOX ABOVE CEILING AT EACH CAMERA LOCATION.
 IN AREAS WITH EXPOSED CONDUIT: PROVIDE (1) OCTAGON BOX SURFACE MOUNTED ON WALL AT 8' ABOVE FF.

GENERAL NOTE;
 THE FLOOR PLAN ON THIS SHEET IS ONLY REPRESENTAL , SEE SHEET A-102 FOR THE SMALL FLOOR PLAN CDC 6-10



No.	Description	Date	Appr.

Date: NOV 09	Scale:	Drawing code:
Designed by:	Drawn by:	Reviewed by:
Submitted by:		

U. S. ARMY CORPS OF ENGINEERS
 ENGINEERING AND SUPPORT CENTER
 HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
 STANDARD DESIGN
 6-10 YEARS OF AGE
 SECURITY & MONITORING PLAN
 SMALL

Sheet reference number:
X-102
 Sheet 9 of 9

EXTERIOR/INTERIOR CAMERA LOCATIONS

SCALE: 1/8" = 1'-0"



US ARMY CORPS
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SUPPORT CENTER,
HUNTSVILLE

CENTER OF STANDARDIZATION PROGRAM CHILD DEVELOPMENT CENTER (CDC), FOR CHILDREN 6-10 YEARS OLD - MEDIUM

CAT CODE: 74016

PUBLISHED: NOVEMBER 2009
REVISED: NOVEMBER 2010

GENERAL CDC CRITERIA

FACILITY SIZE	GROSS AREA (FT2)	# OF CHILDREN	# OF STAFF	STAFF LOCKERS	MIN # OF PARKING SPOTS	PLAYGROUND
						TOTAL AREA (FT2)
MEDIUM	20,484	150-180	21	20	43	52,106

NOTES:

1. SITE AREA ASSUMED TO BE IMMEDIATELY ADJACENT TO ROADS AND UTILITIES.

CDC STANDARD DESIGN PACKAGE

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4. INTERIOR DESIGN CRITERIA
5. PLAYGROUND DESIGN CRITERIA

DRAWING INDEX

DISCIPLINE	SHEET NO.	SHEET REF. NO.	SHEET TITLE
GENERAL	1	G-001	COVER
CIVIL	2	C-103	OVERALL SITE PLAN - MEDIUM
ARCHITECTURAL	3	A-103	FLOOR PLAN - MEDIUM
	4	A-105	KITCHEN PLAN / ELEVATIONS
	5	A-106	TOILET ELEVATIONS
	6	A-107	INTERIOR ELEVATIONS
	7	A-108	TYPICAL GATHERING AREA DETAILS
	8	A-109	BUILDING SECTIONS
SECURITY	9	X-001	GENERAL INFORMATION
	10	X-103	SECURITY & MONITORING PLAN - MEDIUM



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No.	Description	Date	Appr.

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U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE
COVER

Sheet reference number:
G-001
Sheet 1 of 10



No.	Description	Date	Appr.

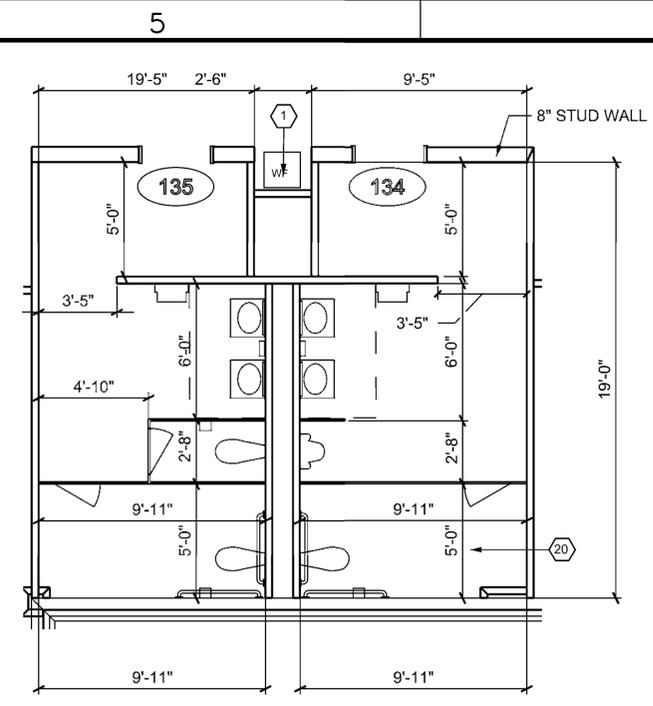
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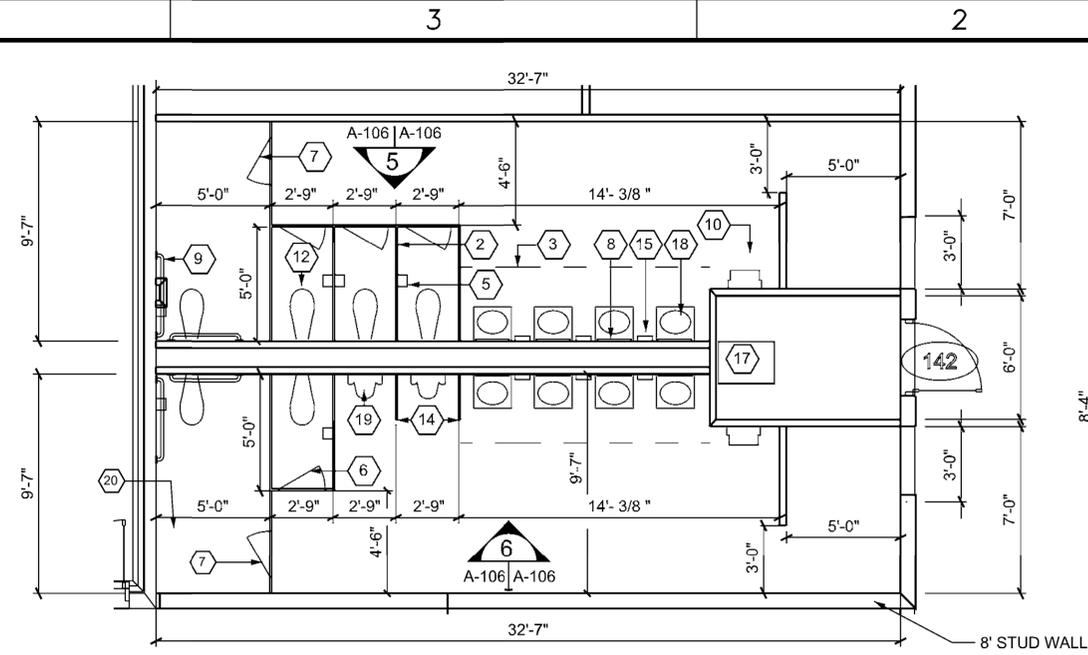
U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE

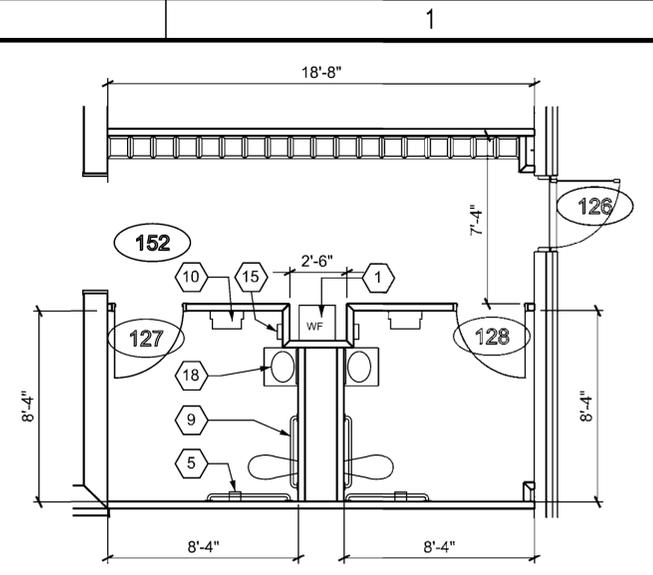
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A-106
Sheet 5 of 10



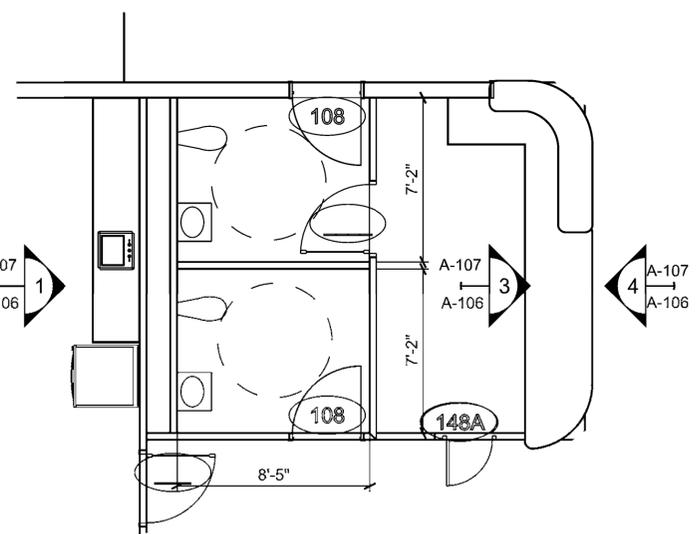
1 PLAN SCALE: 1/4" - 1'-0"
A-106 | A-106 ENLARGED FLOOR PLAN - MALE AND FEMALE TOILET



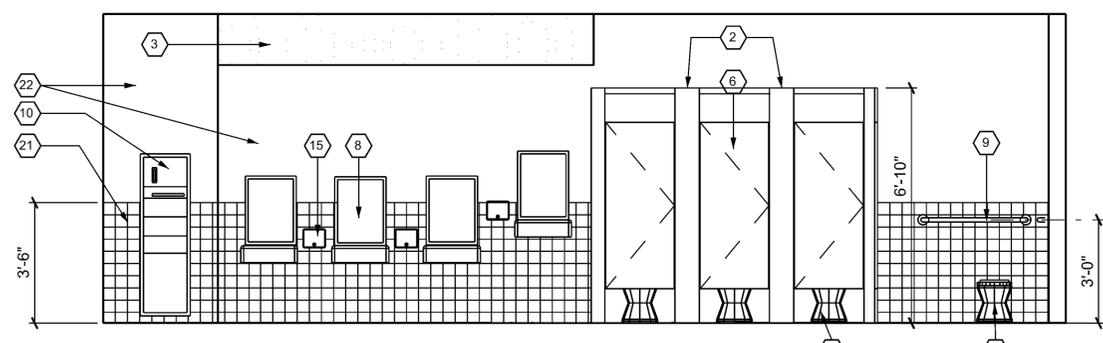
2 PLAN SCALE: 1/4" - 1'-0"
A-106 | A-106 ENLARGED FLOOR PLAN - MALE AND FEMALE TOILETS W/ JANITOR CLOSET



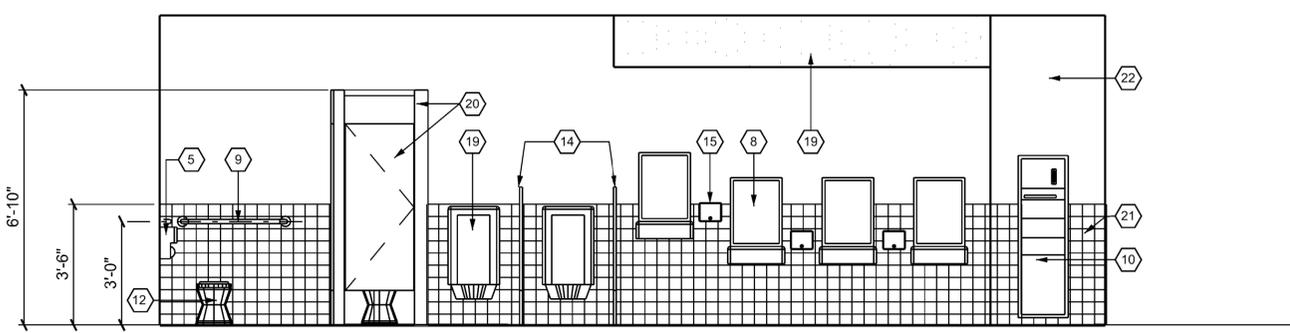
3 PLAN SCALE: 1/4" - 1'-0"
A-106 | A-106 ENLARGED FLOOR PLAN - MALE AND FEMALE TOILETS



4 PLAN SCALE: 1/4" - 1'-0"
A-107 | A-106 ENLARGED FLOOR PLAN - TOILET 107 AND 108 AND CENTRAL COUNTER / RECEPTION 148



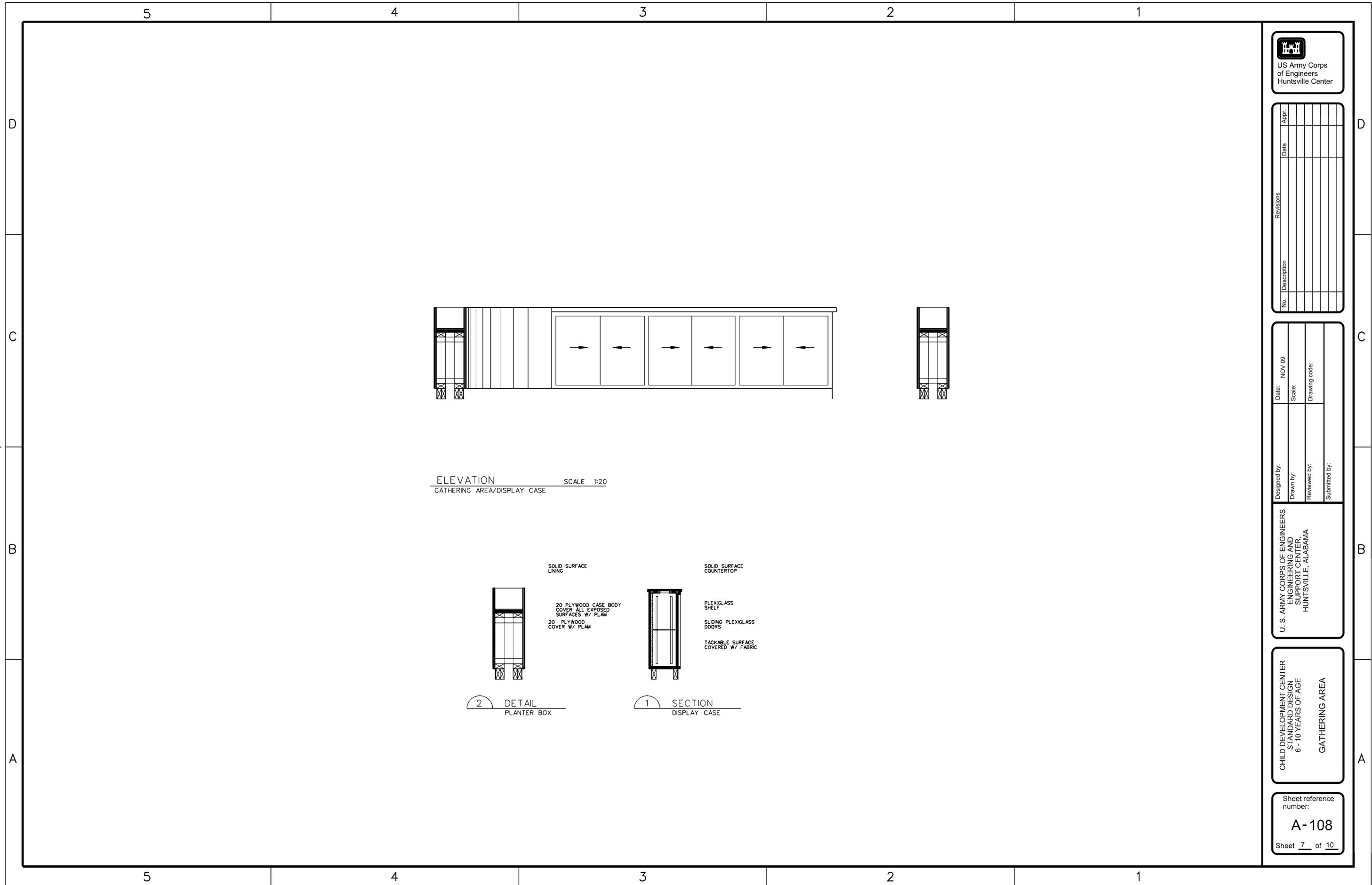
5 ELEVATION SCALE: 3/8" - 1'-0"
A-106 | A-106 WOMEN TOILET ROOM



6 ELEVATION SCALE: 3/8" - 1'-0"
A-106 | A-106 MEN TOILET ROOM

KEY NOTES

- 1 DRINKING FOUNTAIN .
- 2 SOLID PLASTIC TOILET PARTITIONS
- 3 OVERHEAD CEILING FURRING ABOVE.
- 4 SLOPE OF FLOOR TO FLOOR DRAIN.
- 5 ROLL TISSUE HOLDER
- 6 STANDARD 24" PARTITION DOOR.
- 7 HANDICAPPED PARTITION DOOR WITH A MIN. CLEARANCE OF 32"
- 8 18" X 30" MIRROR
- 9 STAINLESS STEEL GRAB BAR
- 10 PAPER TOWELL DISPENSER
- 11 FLOOR DRAIN - SEE MECHANICAL
- 12 WATER CLOSET
- 13 18" X 30" MIRROR - MOUNT 40" AFF.
- 14 URINAL SCREEN
- 15 SOAP DISPENSER
- 16 12" MASONRY WALL
- 17 JANITOR SINK
- 18 LAVATORY
- 19 URINAL
- 20 5'-0" WHEELCHAIR RADIUS
- 21 CERAMIC TILE WALL FINISH
- 22 DRYWALL FINISH



ELEVATION SCALE 1:20
GATHERING AREA/DISPLAY CASE

- 2 DETAIL PLANTER BOX
 - SOLID SURFACE LINING
 - 20 PLYWOOD CASE BODY COVER ALL EXPOSED SURFACES W/ PLAM
 - 20 PLYWOOD COVER W/ PLAM
- 1 SECTION DISPLAY CASE
 - SOLID SURFACE COUNTERTOP
 - PLEXIGLASS SHELF
 - SLIDING PLEXIGLASS DOORS
 - TACKABLE SURFACE COVERED W/ FABRIC



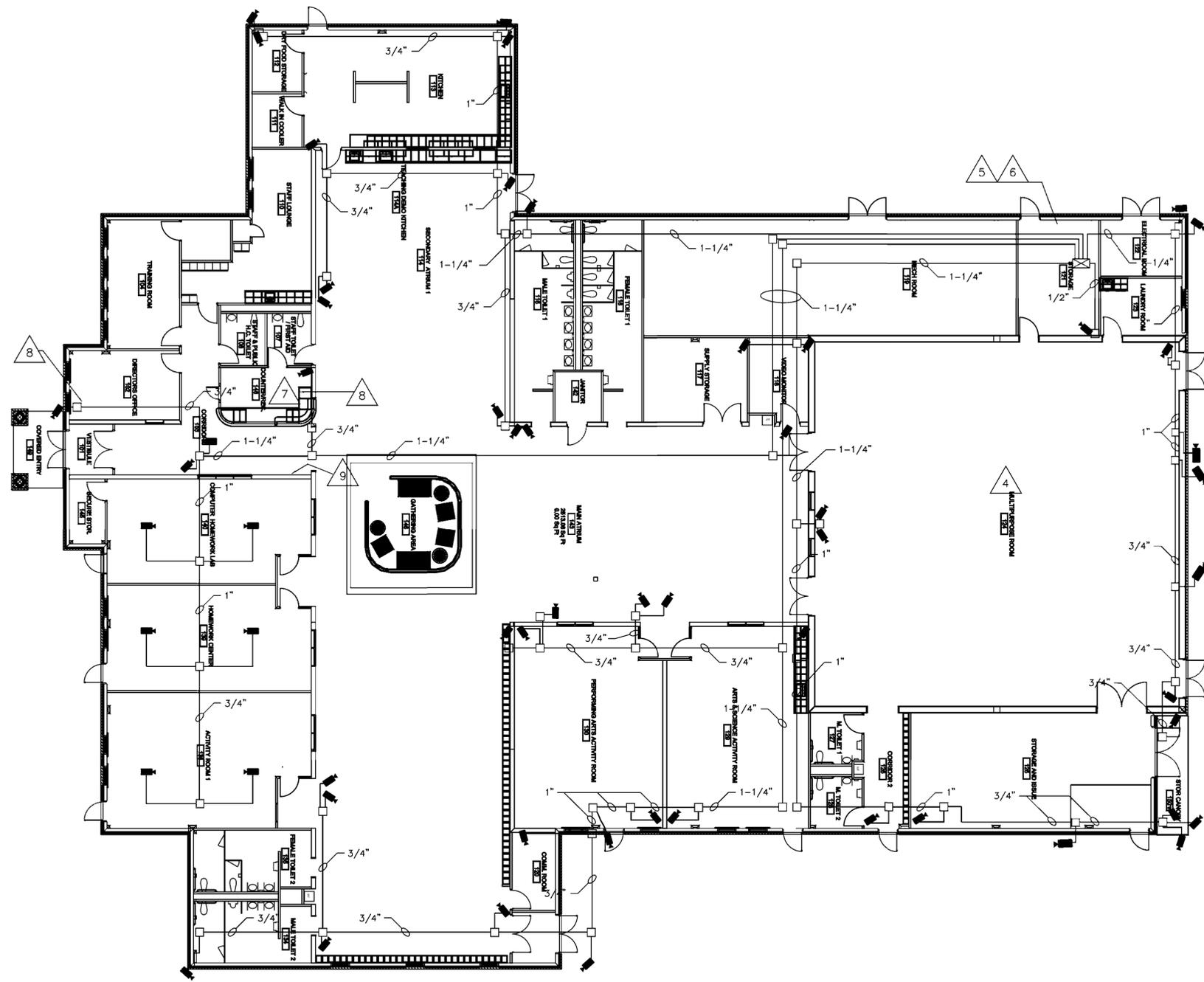
No.	Description	Date	Appr.

Designed by:	Date: NOV 09
Drawn by:	Scale:
Reviewed by:	Drawing code:
Submitted by:	

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE
GATHERING AREA

Sheet reference number:
A-108
Sheet 7 of 10



INTERIOR/EXTERIOR CAMERA LOCATIONS

SCALE: 1/8" = 1'-0"

NOTES:

1. ALL INTERIOR CAMERA LENS ARE 2-4MM UNLESS OTHERWISE NOTED.
2. ALL EXTERIOR CAMERAS MOUNTED ON THE LOWER ROOF SHALL HAVE A LENS SIZE OF 2-4MM UNLESS OTHERWISE NOTED.
3. ALL EXTERIOR CAMERAS MOUNTED ON THE UPPER ROOF SHALL HAVE A LENS SIZE OF 2.8-10MM UNLESS OTHERWISE NOTED.
4. EXTERIOR CAMERAS ARE TO BE INSTALLED IN ALL MULTIPURPOSE ROOMS (GYMNASIUMS). LENS SIZE OF 2-4MM UNLESS OTHERWISE NOTED.
5. CCTV POWER SUPPLIES PROVIDE 4'x 8' SHEET 5/8" PLYWOOD WITH (2) 4" x 4" HANDY BOXES ON (2) 20 AMP CIRCUITS.
6. CCTV SYSTEM CABINET (47"W x 28"D x 84"H) SUPPLY (1) RECEPTACLE ON (1) 30 AMP CIRCUIT.
7. REMOTE KEYBOARD LOCATION.
8. RJ-45 LAN JACK LOCATION. CABLE TO BE TERMINATED AT THE JACK LOCATION, INSTALLED BACK TO THE SECURITY ROOM, AND LEFT UNTERMINATED WITH 20' EXCESS COILED IN OVERHEAD.
9. CCTV MONITOR LOCATION: SUPPLY (1) RECEPTACLE ON (1) 20 AMP CIRCUIT MOUNTED ABOVE THE DROPPED CEILING.

CCTV SYSTEM NOTES

CCTV SYSTEM TO BE PROVIDED BY CYS.

CAMERA VIDEO CABLE SHALL BE RG-59 TYPE CCTV PLENUM COAX, WEST PENN PN: 25815, OR EQUIVALENT CABLE TYPE.

CAMERA POWER CABLE SHALL BE 2 CONDUCTOR AWG 18 STRANDED UNSHIELDED PLENUM RATED, BELDEN PN: 89740, OR EQUIVALENT CABLE TYPE.

CONTRACTOR TO PROVIDE:

CONDUIT, POWER, LAN JACKS AND PLYWOOD.

IN AREAS WITH DROPPED CEILINGS: PROVIDE 4 x 4 JUNCTION BOX MOUNTED ABOVE THE DROPPED CEILING AT EACH CAMERA LOCATION.

IN AREAS WITHOUT DROPPED CEILINGS: PROVIDE (1) SINGLE GANG RECEPTACLE BOX RECESS MOUNTED ON WALL 8" ABOVE FF AT EACH CAMERA LOCATION.

IN AREAS WITH EXPOSED CONDUIT: PROVIDE (1) OCTAGON BOX SURFACE MOUNTED ON WALL 8" ABOVE FF AT EACH CAMERA LOCATION.

IN AREAS WHERE CAMERAS ARE TO BE INSTALLED ON BUILDING EXTERIOR: PROVIDE (1) 4" X 4" JUNCTION BOX AT BOX EACH CAMERA LOCATION.

AS-BUILT CONDUIT LAYOUT DRAWING TO BE USED BY CCTV CONTRACTOR.



No.	Description	Date	Appr.

Date: NOV 09	Scale:	Drawing code:
Designed by:	Drawn by:	Reviewed by:
Submitted by:		

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE
SECURITY & MONITORING PLAN
MEDIUM

Sheet reference number:
X-103
Sheet 10 of 10



US ARMY CORPS
OF ENGINEERS,
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE

CENTER OF STANDARDIZATION PROGRAM CHILD DEVELOPMENT CENTER (CDC), FOR CHILDREN 6-10 YEARS OLD - LARGE

CAT CODE: 74016

PUBLISHED: NOVEMBER 2009
REVISED: NOVEMBER 2010

GENERAL CDC CRITERIA

FACILITY SIZE	GROSS AREA (FT ²)	# OF CHILDREN	# OF STAFF	STAFF LOCKERS	MIN # OF PARKING SPOTS	PLAYGROUND	
						TOTAL AREA (FT ²)	
LARGE	22,927	195-225	26	24	51	52,106	

NOTES:

1. SITE AREA ASSUMED TO BE IMMEDIATELY ADJACENT TO ROADS AND UTILITIES.

CDC STANDARD DESIGN PACKAGE

THE FOLLOWING IS A LIST OF THE COMPLETE CDC DESIGN PACKAGE. THE LATEST VERSION OF EACH OF THE LISTED ITEMS CAN BE DOWNLOADED FROM [HTTPS://PORTAL.USACE.ARMY.MIL/SITES/COS/CDCTI/DEFAULT.ASPX](https://portal.usace.army.mil/sites/cos/cdcti/default.asp)

THE INFO INCLUDED HEREIN IS ONLY ONE PORTION OF THE COMPLETE PACKAGE.

1. ARMY STANDARD
2. ROOM-BY-ROOM DESCRIPTIONS
3. STANDARD DRAWINGS (INCLUDED HEREIN)
4. INTERIOR DESIGN CRITERIA
5. PLAYGROUND DESIGN CRITERIA

DRAWING INDEX

DISCIPLINE	SHEET NO.	SHEET REF. NO.	SHEET TITLE
GENERAL	1	G-001	COVER
CIVIL	2	C-104	OVERALL SITE PLAN - LARGE
ARCHITECTURAL	3	A-104	FLOOR PLAN - LARGE
	4	A-105	KITCHEN PLAN
	5	A-106	TOILET ELEVATIONS
	6	A-107	INTERIOR ELEVATIONS
	7	A-108	TYPICAL GATHERING AREA DETAILS
	8	A-109	BUILDING SECTIONS
SECURITY	8	X-001	GENERAL INFORMATION
	12	X-104	SECURITY & MONITORING PLAN - LARGE



US Army Corps
of Engineers
Huntsville Center

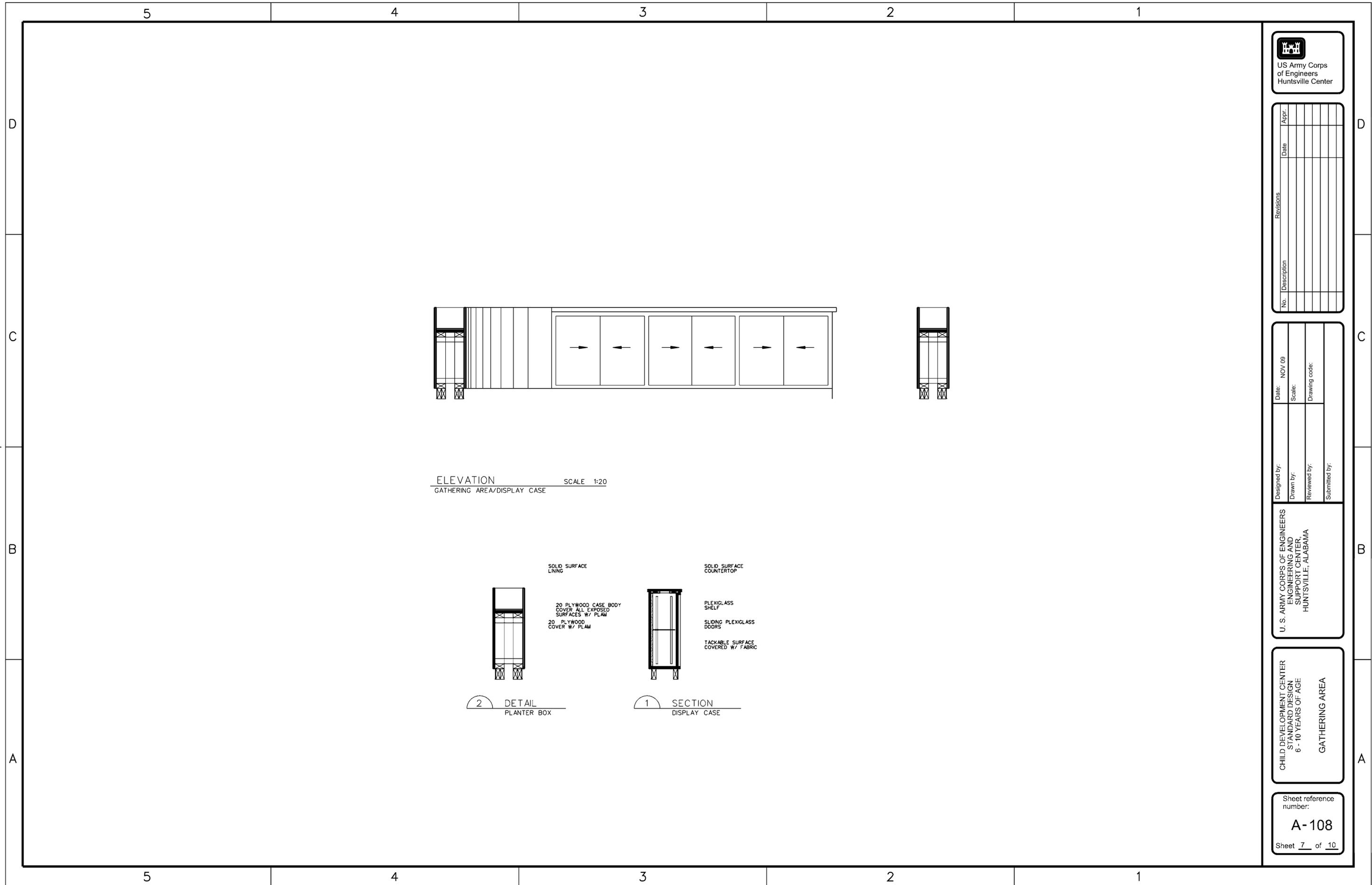
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Drawn by:	Scale:
Reviewed by:	Drawing code:
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U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND
SUPPORT CENTER,
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE
COVER

Sheet reference number:
G-001
Sheet 1 of 10



ELEVATION SCALE 1:20
GATHERING AREA/DISPLAY CASE

- 2 DETAIL PLANTER BOX
 - 20 PLYWOOD CASE BODY COVER ALL EXPOSED SURFACES W/ PLAM
 - 20 PLYWOOD COVER W/ PLAM
- 1 SECTION DISPLAY CASE
 - SOLID SURFACE LIVING
 - SOLID SURFACE COUNTERTOP
 - PLEXIGLASS SHELF
 - SLIDING PLEXIGLASS DOORS
 - TACKABLE SURFACE COVERED W/ FABRIC



No.	Description	Date	Appr.

Designed by:	Date: NOV 09
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Submitted by:	

U. S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
HUNTSVILLE, ALABAMA

CHILD DEVELOPMENT CENTER
STANDARD DESIGN
6 - 10 YEARS OF AGE
GATHERING AREA

Sheet reference number:
A-108
Sheet 7 of 10

ATTACHMENT I

ARMY CHILD DEVELOPMENT CENTERS
COLOR SCHEME

SAMPLE

PRIMARY COLOR SCHEME ARMY CHILD DEVELOPMENT CENTERS

NOTE: All manufacturers listed below are provided as examples. Other manufacturers may be used as long as the colors, patterns, and durability are very similar. Substitutions will require Government approval.

Flooring for Hallways, Arts and Science Activity Room and Activity/ Eating Room

Johnsonite-Tarkett Optima 24" Tiles

#886 Beluga
#824 Yellow Mustard
868 Cardinal
844 Winterlake

Flooring for All Other Activity Rooms

Johnsonite-Tarkett Optima

#886 Beluga

Cove Base

#37 Fog Johnsonite

Carpet (Anti-Static) for Computer Lab/Homework Center

Mannington, Enhanced Texture Loop

Pattern- Motivation
Color-Scrutiny

Quarry Tile for Kitchen

American Olean "Naturals"

Dal-Tile

N46 Shadow Gray (Abrasive Grain)

OT03 Ashen Gray

Grout for Kitchen Quarry Tile

Custom Building Products – “The Naturals” – 100% Solid Epoxy

#19 Pewter

Ceramic Tile for Kitchen Walls

Laufen International		Dal-Tile	
LWBG 301-4	White Bright Glaze	0190	Arctic White

Bathroom Flooring

Natura Floor Tile –
“Liberty” (slip resistant)

Laufen International		Dal-Tile	
#8613 Pewter	DC05		Ice Gray

Bathroom – Ceramic Tile for Walls

Laufen International		Dal-Tile	
LWBG 301-4	White Bright Glaze	0190	Arctic White

SOLID SURFACE MATERIALS & COLORS

Reception Desk Top

Corian

Festival

Counter Tops – Solid Surface

Living Stone

White

PAIN T COLOR CHOICES

Pittsburg Paint

#150-1 Ocean	Breeze	#349-1 Cit	yscape
#112-2	Banana Pudding	#150-2	Niagara Falls
#330-1	Chantilly Lace	#301-1	Peaceful Night
#212-2 Golden	Fleece	#408-2 Hurricane	
#149-2	Blue Booties	#351-2	Blue Pearl

SAMPLE

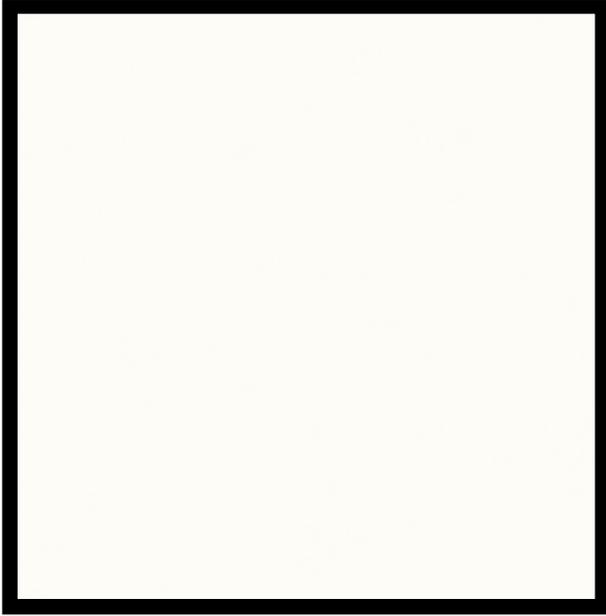
CDC FACILITIES
PRIMARY FINISH BOARDS

WALL COLORS

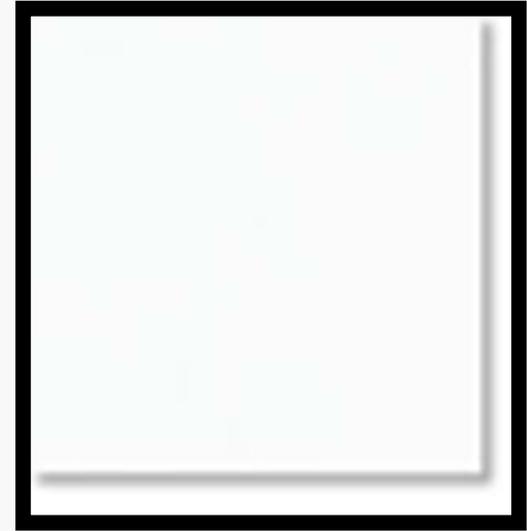
PRIMARY



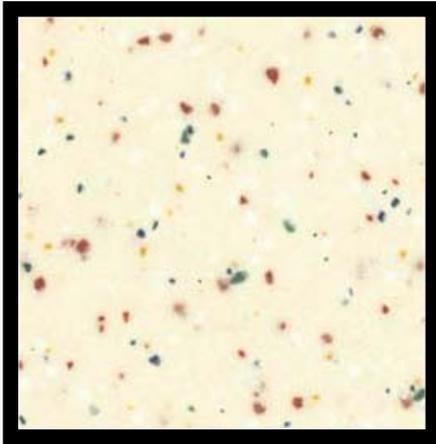
PRIMARY



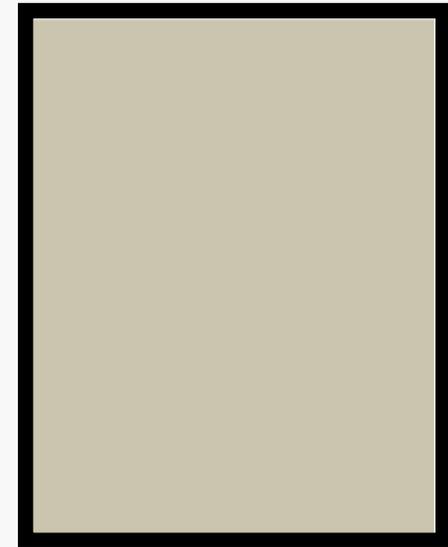
CORIAN COUNTER TOPS



BATHROOM WALLS



RECEPTION DESK TOP SOLID SURFACE



COVE BASE

PRIMARY



BATHROOM FLOORING



CARPET



GROUT FOR TILE



QUARRY TILE FOR KITCHEN



SHEET VINYL



VINYL COMPOSITION TILE

HALLWAYS, ART & SCIENCE, ACTIVITY/EATING ROOM

ATTACHMENT I

ARMY CHILD DEVELOPMENT CENTERS
SOUTHWEST COLOR SCHEME

SAMPLE

SOUTH-WEST COLOR SCHEME **ARMY CHILD DEVELOPMENT CENTERS**

NOTE: All manufacturers listed below are provided as examples. Other manufacturers may be used as long as the colors, patterns, and durability are very similar. Substitutions will require Government approval.

Flooring for Hallways, Arts and Science Activity Room and Activity/ Eating Room

Johnsonite-Tarkett Optima 24" Tiles

#850 Flan
#867 Tomato Paste
868 Cardinal
819 High Tide

Flooring for All Other Activity Rooms

Johnsonite-Tarkett Optima

#850 Flan

Cove Base

#19 Desert Camel
Johnsonite

Carpet (Anti-Static) for Computer Lab/Homework Center

Mannington, Enhanced Texture Loop

Pattern- Motivation
Color-Deliberation

Quarry Tile for Kitchen

American Olean "Naturals"

Dal-Tile (QCR3565U)

N03 Desert (Abrasive Grain)

OT05 Adobe Brown

Grout for Kitchen Quarry Tile

Custom Building Products – “The Naturals” – 100% Solid Epoxy

#50 Nutmeg

Ceramic Tile for Kitchen Walls

Laufen International		Dal-Tile	
LWBG 304-4	Biscuit Bright Glaze	0135	Almond

Bathroom Flooring

Laufen International		Dal-Tile	
Natura Floor Tile – “Liberty” (slip resistant)			
#8607	Natural	DC01	Biscuit

Bathroom – Ceramic Tile for Walls

Laufen International		Dal-Tile	
LWBG 304-4	Biscuit Bright Glaze	0135	Almond

SOLID SURFACE MATERIALS & COLORS

Reception Desk Top

Corian

Tumbled Glass

Counter Tops – Solid Surface

Living Stone

Bone

PAINT COLOR CHOICES

Pittsburg Paint

#156-2	Seaspray	#217-2	Cocoa Butter
#123-2	Shrimp Ice	#203-2	Still Tidewater
#309-3	Pale Moss Green	#256-2	Plateau
#225-2	Peach Shortcake	#202-2	Serendipity
#328-2	Spice Cookie	#319-2	Berkshire Lace

SAMPLE

CDC FACILITIES

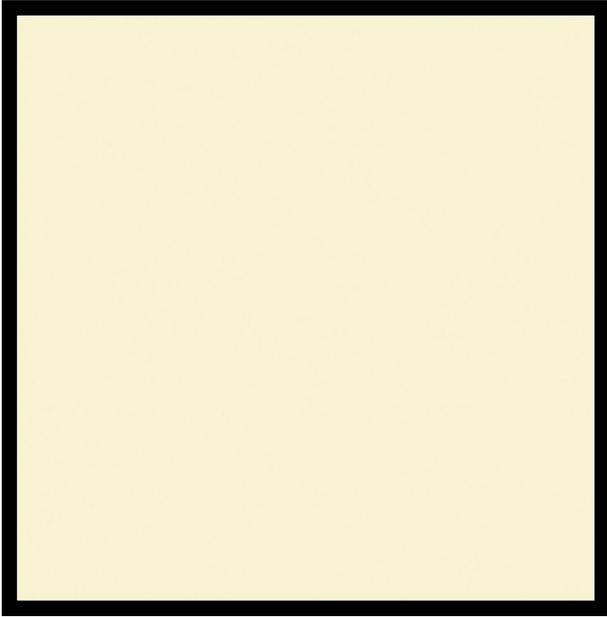
SOUTHWEST FINISH BOARDS

WALL COLORS

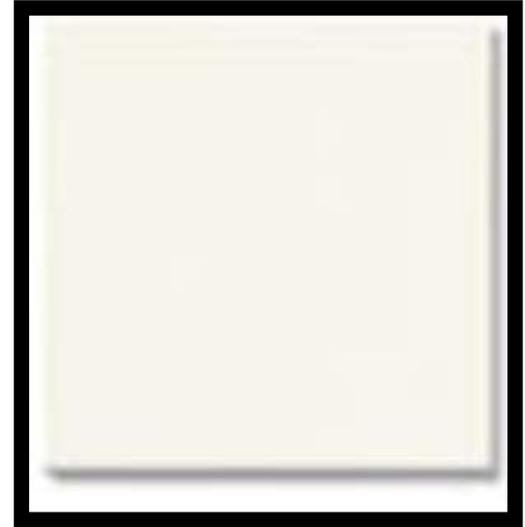
SOUTHWEST



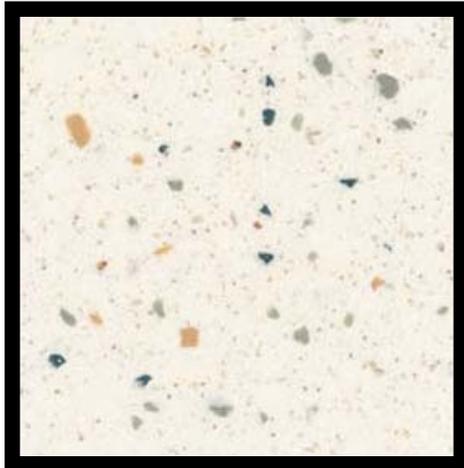
SOUTHWEST



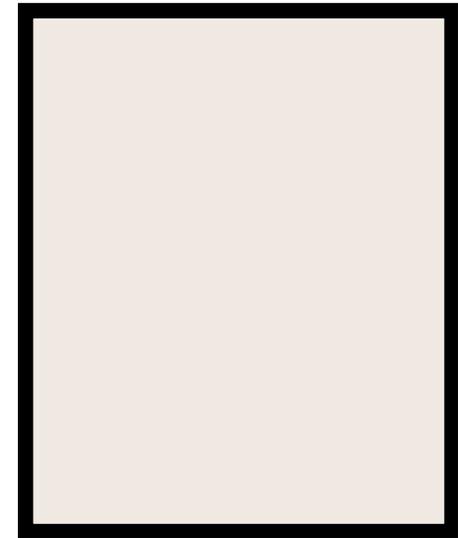
CORIAN COUNTER TOPS



BATHROOM WALLS



RECEPTION DESK TOP SOLID SURFACE



COVE BASE

SOUTHWEST



BATHROOM FLOORING



CARPET



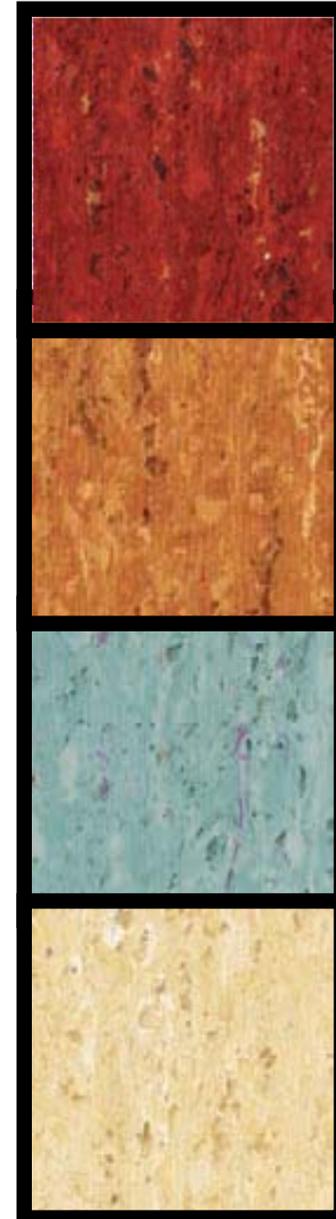
GROUT FOR TILE



QUARRY TILE FOR KITCHEN



SHEET VINYL



VINYL COMPOSITION TILE

HALLWAYS, ART & SCIENCE, ACTIVITY/EATING ROOM