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

CAT CODE: 74016

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GENERAL CDC CRITERIA

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<th>FACILITY SIZE</th>
<th>GROSS AREA (F.T²)</th>
<th># OF CHILDREN</th>
<th># OF STAFF</th>
<th>STAFF LOCKERS</th>
<th>MIN # OF PARKING SPOTS</th>
<th>TOTAL AREA (F.T²)</th>
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<td>108-135</td>
<td>17</td>
<td>18</td>
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NOTES:
1. SITE AREA ASSUMED TO BE IMMEDIATELY ADJACENT TO ROADS AND UTILITIES.

CDC STANDARD DESIGN PACKAGE


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

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1. POWER FOR THE CCTV SYSTEM:
   A. Camera power supply (AC camera system)
      Power for the CCTV cameras shall be distributed from the SER
      Receptacle Power Supply To Each Camera Location. ( hazard 2 limited
      Power Source - Low Voltage System - German to the cameras)
   B. SURVEILLANCE EQUIPMENT RACK (SER) (1) 120VAC/230V AMP CIRCUIT
      SHALL BE SUPPLIED TO THE LOCATION DESIGNATED FOR THE CCTV SER.
      THE CIRCUIT SHALL BE TERMINATED WITH A 4-WIRE RECEPTACLE (15-30/50/125V)
      RECESS MOUNTED IN THE LOCATION DESIGNATED FOR THE SER.
   C. PARENTAL VIEWING MONITOR (PVM) - A STANDARD 110 VAC RECEPTACLE
      SHALL BE INSTALLED AT THE LOCATION DESIGNATED FOR THE PVM. THE RECEPTACLE
      SHALL BE MOUNTED ABOVE THE DROP CEILING AND CAN BE CITED TO ANY
      CIRCUIT IN THE FACILITY.
   D. PVM WORKSTATION (PWS) A STANDARD 110 VAC OUTLET SHALL BE MADE
      AVAILABLE AT THE RECEIPT DESK FOR THE PVM WORKSTATION.
   2. ALL EMT SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRIC
      CODE BASED UPON THE TYPE, GAUGE AND QUANTITY OF CABLES AND
      WIRING INSTALLED Within THE EMT. THE CONDUCTOR PULL RATE SHALL
      CONFORM TO THE NEC STANDARD.
   3. THE CAMERA POWER CABLE SHALL BE 2-CORE AWG 18 GAUGE STRANDED
      UNSHIELDED, PLENUM-RATED CABLE TYPE. THE PRE-WIRED SMARTWEBS
      SECURITY ACCESS CONTROL CABLE 18 AWG 2
      CONDUCTOR BARE COPPER, NON-SHIELDED PLENUM. COLOR COMBINATION TO BE
      DETERMINED BY CONTRACTOR AS REQUIRED.
      NOTE: 1. UN TERMINATED POWER CABLES SHALL BE IDENTIFIED BY EITHER
            THE CAMERA NUMBER, THE SPECIFIC CATION OF THE POWER RUN, OR
            IN A MANNER DETERMINED BY THE CONTRACTOR.
      2. ALL POWER CABLES SHALL BE ONE CONTINUOUS RUN. SPlicing IS
            NOT ACCEPTABLE.
      3. IN THE LOCATION DESIGNATED FOR THE SER, LEAVE 20" EXCESS OIL
            OF POWER CABLE.
   4. THE CAMERA VIDEO CABLE SHALL BE RS-485 TYPE CISTRON PLENUM CDX CABLE
      TYPE. THE PRE-WIRED CABLE IS PRE-WIRED SMARTWEB8 RS-485 VIDEO
      SURVEILLANCE CABLE PLENUM. COLOR COMBINATION TO BE DETERMINED BY
      CONTRACTOR AS REQUIRED.
      NOTE: 1. 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.
      2. ALL VIDEO CABLES SHALL BE ONE CONTINUOUS RUN. SPlicing IS
            NOT ACCEPTABLE.
      3. IN THE LOCATION DESIGNATED FOR THE SER, LEAVE 20" EXCESS OIL
            OF VIDEO CABLE.
   5. IN AREAS WITH DROP CEILINGS, RUN CONDUIT (W/ VIDEO AND POWER CABLES)
      ABOVE THE CEILING FROM SER LOCATION TO EACH CAMERA LOCATION. LEAVE
      40" EXCESS OIL OF POWER AND VIDEO CABLE TIED UP AT THE CAMERA
      LOCATION.
   6. IN AREAS W/O DROP CEILINGS, RUN CONDUIT (W/ VIDEO AND POWER CABLES)
      ABOVE CEILING FROM SER LOCATION TO EACH CAMERA LOCATION. PROVIDE (1)
      SINGLE GANG RECEPTACLE BOX, RECESS MOUNTED ON THE WALL NO MORE THAN 12" AND
      NO LESS THAN IF, 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.

   7. IN AREAS WITH EXPOSED CONDUIT, PROVIDE (1) OCTAGON BOX SURFACE
      MOUNTED ON THE WALL NO MORE THAN 12" AND NO LESS THAN IF, 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.

   8. IN AREAS WHERE CAMERAS ARE TO BE INSTALLED ON BUILDING EXTERIOR, RUN
      CONDUIT (W/ VIDEO AND POWER CABLES) FROM SER LOCATION TO THE
      ADJACENT INTERIOR LOCATION. LEAVE THE REQUESTED EXCESS OIL OF
      POWER AND VIDEO CABLE TIED AT THE LOCATION. DO NOT PENETRATE
      THE WALL. IF REQUIRED, A 4" X 4" JUNCTION BOX AND SLEEVE WILL
      BE INSTALLED DURING CAMERA INSTALLATION.

   9. REQUEST A ½" SIZED GROUND WIRE AT EACH DESIGNATED EXTERIOR
      CAMERA LOCATION. SUGGESTED GROUNDING OPTIONS WOULD BE (1) GROUNDING WIRE TO
      BE ATTACHED TO A GROUNDED CONDUIT RUN OR (2) RUN GROUNDING WIRE FROM
      COMM ROOM BONDING LOCATION TO EXTERIOR (CAMERAS). IF CHOOSEN (2) THE
      METHOD OF GROUNDING. PROVIDE A ½" OR A ½" GROUND WIRE FROM COMM
      ROOMER LOCATION TO A POWER PANEL.

   10. A 14/2/1/0/0 BARE T GAT-A CIRCUIT SHALL BE PROVIDED BETWEEN THE
      FACILITIES ADMINISTRATORS OFFICE AND THE SER LOCATION. A SECOND
      18/10/1/0/0 BARE-T GAT-A CIRCUIT SHALL BE PROVIDED BETWEEN THE PV
      WORKSTATION LOCATION AND THE SER CIRCUIT. THIS SHALL
      INCLUDE AN TERMINATED RS-485 RECEPTACLE AT THE ADMINISTRATORS
      OFFICE AND THE PV WORKSTATION LOCATION. THE SER BUILDING CIRCUITS SHALL BE
      TERMINATED WITH 20' EXCESS COILED IN OVERHEAD.

   11. A FULL EMT 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.

   12. HVAC VENTS SHOULD NOT BE PLACED ABOVE LOCATION DESIGNATED FOR SER.
      FORCED HEAT DURING WINTER MONTHS MAY CAUSE OVER HEATING OF EQUIPMENT.

   13. 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 ACTUAL LOCATIONS USING THE MOST DIRECT ROUTE.

   14. ASSUMPTIONS FOR CAMERA PLACEMENT ON (B) RIMMINGS:
      ALL CEILINGS ARE EIGHT (8) FEET SUSPENDED CEILINGS UNLESS OTHERWISE NOTED.
      ALL FURNITURE AND LANDSCAPE PLACEMENT WILL NOT BE BURLED IN CAMERA VIEWS.
      BUILDINGS WILL HAVE "OVERHANGS"/SOFITTS TO ACCOMMODATE EXTERIOR CAMERAS.
      EXTERIOR CAMERAS ARE PLACED BASED ON EXPECTED LOCATION OF PLAYGROUNDS.

   15. VIDEO MONITORING SECURITY SYSTEMS (CLOSED CIRCUIT TELEVISION - CCTV - 4:3:4)
      - SECTION 10 INFORMATION SUPPORT SYSTEMS IS THE SOURCE OF ARMY POLICY FOR
      FUNDS OF VIDEO MONITORING EQUIPMENT. MCCONCAG DOLLARS ARE TO BE USED FOR
      CABLES AND FITTINGS, CONNECTORS, TERMINAL STRIPS, AND SIMILAR DEVICES
      NEEDED TO INSTALL THE CABLE TO THE OUTLET DEVICES. OPERATION AND
      MAINTENANCE ARMY DOLLARS ARE USED TO PURCHASE AND INSTALL MONITORS, CAMERAS,
      PARENTVIEWING MONITORS, OPERATING CONSOLES, ETC. FOR THE VIDEO SURVEILLANCE
      SYSTEM THE EQUIPMENT, EXTERNAL TO THE OUTLETS, IS CONSIDERED PERSONAL
      PROPERTY.
NOTES:
1. ALL INTERIOR CAMERA LENS ARE 2.4–6MM 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 4–6MM UNLESS OTHERWISE NOTED.
4. EXTERIOR CAMERAS ARE TO BE INSTALLED IN ALL MULTIPURPOSE ROOMS (CHURCH/MONO) LENS SIZE OF 2–4MM UNLESS OTHERWISE NOTED.
5. CCTV POWER SUPPLIES PROVIDE 12V DC TO 20 FEET W/ (2) 4” X 4” HARD WIRE BOXES ON (2) 20 AMP CIRCUIT.
6. CCTV SYSTEM CABINET (.7” x 28” x 48”) SUPPLY 1) RECEPTACLE ON (1) 30 AMP CIRCUIT, SUPPLY (1) LAN JACK (1) TEL JACK.

CCTV SYSTEM NOTES:
CCTV SYSTEM TO BE PROVIDED BY CYS.
CONTRACTOR TO PROVIDE:
CONDUIT, POWER, LAN JACKS AND PLYWOOD. EACH CONDUIT TO BE USED TO SUPPORT (1) RG-59/U COAX AND (1) 18/2 NIP PER CAMERA LOCATION.
IN AREAS WITH DROP CEILINGS PROVIDE 4 x 4 JUNCTION BOX ABOVE CEILING 
IN AREAS WITH EXPOSED CONDUIT, PROVIDE (1) OCTAGON BOX SURFACE MOUNTED ON WALL AT 90 DEGREES.

GENERAL NOTE:
THE FLOOR PLAN ON THIS SHEET IS ONLY REPRESENTATIVE. SEE SHEET A-102 FOR THE SMALL FLOOR PLAN OD-8-10